



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

Project (WP10587): Continuation of the Northern Planning Region All Towns Reconciliation Strategies

**North West Province:
STRATEGIES STEERING COMMITTEE (SSC) MEETING No. 02 MINUTES**

Held at the Grootbosch Wedding & Conference Venue, Klerksdorp, on 23 July 2015 at 10h00.

1. WELCOME AND INTRODUCTION OF MEMBERS

- 1.1** Mr Tendani Nditwani, Department of Water and Sanitation (DWS), National Water Resource Planning (NWRP), welcomed all to the meeting and provided a brief overview of the water resources management areas in South Africa.
- 1.2** A hand-out pack was provided to each attendee that included the following:
- Hard copy of the agenda for the workshop;
 - Hard copy of the Background Information Document (BID – for this study);
 - Hard copy of the Strategies Steering Committee (SSC) Terms of Reference;
 - Hard copy print-out of the presentation; and
 - Compact Disc (CD) containing the prioritised, reviewed and updated strategies – for comment; District Municipality Summaries; presentation of the workshop; BID and SSC Terms of Reference.
- 1.3** Mr Nditwani requested members to introduce themselves, indicating the organisation they represent and their interest in this workshop.

ATTENDANCE AND APOLOGIES

- 1.4** The attendance and apologies were noted. The attendance register is attached as **Appendix A**. It was noted that stakeholders attending this North West Province SSC workshop reasonably represented relevant interest groups and their geographical distribution.

2. ACCEPTANCE OF AGENDA

- 2.1** The agenda was approved by all present.
- 2.2** The proceedings for the North West Province SSC 2 workshop were captured in the presentation, attached as **Appendix B**.

3. PURPOSE OF THE WORKSHOP

- 3.1 The purpose of the workshop was to provide the background of the study; present the study methodology; outline the findings of reviewed and updated priority strategies; obtain comments and input from SSC members; outline the remainder of the study programme and lastly to discuss the way forward.

4. ROLE OF THE STRATEGIES STEERING COMMITTEE (SSC)

- 4.1 Mr Nditwani discussed the role of the SSC. The SSC should provide executive guidance on the direction and outcomes of the study; furnish supplementary information during the review and update of the rudimentary strategies; establish lines of communication for information sharing; promote linkages to existing regional planning activities and ensure the incorporation of strategies' recommendations in formal planning processes (IDPs, WSDPs, Water Use License Applications, etc.). The SSC should furthermore promote the acceptance and sign-off of the updated Reconciliation Strategies by the DWS and local government. The Terms of Reference of the SSC is attached in **Appendix D**.

5. BACKGROUND OF THE STUDY

- 5.1 Mr Tendani presented the background of developing the first rudimentary All Towns strategies during 2008 – 2011 as well as the key findings of the study.
- 5.2 The current appointment (2012 until 2015) is the continuation of the All Towns studies and addresses the priorities that were identified during a screening workshop by the DWS (refer also in the presentation the criteria applied as part of the study methodology) and confirmed at the first SSC held in April 2013. The strategies' planning horizon has been extended from 2030 for the first strategies (2011) to 2035 for the revised/updated strategies (2014). The Background Information Document as distributed during the workshop is attached as **Appendix C**.

6. UPDATING PRIORITY STRATEGIES: METHODOLOGY

- 6.1 Mr Colin Talanda presented the methodology applied for the review and update of the priority strategies during this assignment. He noted that one of the main differences between this phase and the first round of strategies that were developed (2011), was the availability of the 2011 Census information (it only became available during 2013). This enabled refining of population counts and population growth projections for the cluster areas.
- 6.2 One of the key requirements for development of the reconciliation strategies is the availability of metered water use data. It was emphasised that **very few municipalities have metered water abstraction and water use information**, especially for groundwater use. It is also a critical element in the development of appropriate Water Conservation and Water Demand Management (WC/WDM) programmes.
- 6.3 The assumptions applied to determine water requirement scenarios (based on engineering principles and guidelines) for water service levels and growth scenarios were presented. The model made provision for various water use categories and anticipated development for different urban and rural areas in order to calculate the theoretical water requirements. Water requirements were calibrated with actual water use (where metered data was available) to

present the likely current situation.

6.4 Water source quality was also considered during the review and update of the strategies.

7. UPDATED PRIORITY STRATEGIES

7.1 The prioritised strategies reviewed, updated and presented at the North West Province SSC workshop are:

District Municipality	Local Municipality	Strategy
Bojanala Platinum	Kgetlengrivier	Borolelo & Swartruggens
		Koster & Reagile
Ngaka Modiri Molema	Mahikeng	Mahikeng
	Ramotshere Moiloa	Dinokana
		Motswedi Gopane
		Supingstadt
	Tswaing	Ottosdal
Dr. Ruth S. Mompoti	Naledi	Stella
	Greater Taung	Reivilo
Dr. Kenneth Kaunda	Tlokwe City Council	Potchefstroom Urban

7.2 DISCUSSIONS FOR CONSIDERATION

7.2.1 Mr Talanda mentioned that the water balances of the communities within the Rustenburg Vaalkop BWS and the Dikgophaneng and Fafung BWS fall within the larger Crocodile West Reconciliation Strategy and are addressed therein. Similarly, water supplied from Rand Water fall within the larger Vaal River Reconciliation Strategy and consumers are therefore addressed in that study.

7.2.2 Borolelo-Swartruggens Cluster: Mr Rens Botha mentioned that the Twyfelspoort Dam located on the Polkadraaispruit (also called Sterkstroom) could serve as a potential augmentations source along with the fountain (spring). This should be reflected in the Strategy. Furthermore that water re-use should also be investigated as an option. The Kgetlengrivier Local Municipality should improve its water use measurements and record-keeping.

PSP
(31/07/2015)
KLM
(ongoing)

7.2.3 Koster and Reagile Cluster: Mr Fanus Fourie raised concern over the increase in groundwater use in this cluster as it was supposed to be only an emergency measure. Mr De Jager responded that information was based on a recent study from Rand Water on groundwater in this area. Mr Rens Botha requested the reports to be forwarded to him. Mr. Fanus Fourie also said that the strategy should make a recommendation that the conjunctive water use (surface water and groundwater) operating rules should be developed for this cluster by the DWS Stand Alone Dams Study.

PSP
(24/07/2015)

7.2.4 Mr Jezewski emphasised the critical role that metering plays in the development of the strategies and to ensure that appropriate WC/WDM programmes can be developed and

All
(ongoing)

implemented. A lack of proper metering necessitates the use of estimates based on general engineering principles, but can only be applied to theoretical water requirements. Actual water use is still necessary to calibrate water requirements in order to develop an appropriate water balance and further strategies for the management thereof.

7.2.5 Motswedi-Gopane Cluster: Mr Botha indicated that there were already restrictions imposed on water used from the Sehujwane Dam. Mr. Nditwani enquired whether there were any indications of possible drought conditions in the area. It was confirmed by Mr Botha that he submitted a report in this regard.

7.2.6 Ottosdal Cluster: The PSP was requested to confirm the high population growth rates applied for this strategy. A question was raised on the nitrate (NO₃) level of the groundwater sources which may require blending to improve water quality especially for water use by infants.

PSP
(31/08/2015)

7.2.7 Stella Cluster and Vryburg area: Mr Cawood mentioned that the existing boreholes were bought from the Irrigation Sector and that the old or original Stella boreholes were abandoned as some of them have water quality problems (nitrates). He said that the municipality is currently investigating the abandoned boreholes with the aim of recommissioning the feasible boreholes. There is a planned housing development of 1 000 units and that the oxidation ponds may therefore need to be relocated. There is also potential mining development and that the mine may utilise treated effluent from the Vryburg WWTW. Vryburg currently has an estimated 5Ml/d surplus available from the Taung Bulk Water Supply Scheme (RBIG funded). For Stella, groundwater remains the first option in water supply augmentation.

7.2.8 Reivilo Cluster: This area is supplied from groundwater, but the water table is only 1–3m below ground level, and the risk of source pollution is high. Careful management of the groundwater sources is required. Mr Cawood said that there are more than sufficient groundwater resources available in the Reivilo Cluster area.

7.2.9 Mr Cawood mentioned that the Kagisano-Molopo area should have been a priority as it is a large rural area dependent currently on groundwater and other natural sources. (Mr Cawood was not in service at Dr Ruth S Mompoti District Municipality at the time of the strategies prioritisation process, although he has been with the DrRSMDM before and is very well acquainted with the area). There is however a feasibility study under way to investigate potential water supply options and possible development of a regional scheme/s.

7.2.10 Potchefstroom Cluster: Mr Fanus Fourie mentioned that Potchefstroom is looking at piping water from the spring over approximately 30 km to the town to avoid losses and also maintain the pristine water quality from the spring. The PSP will confirm the high population growth rates applied for this strategy.

PSP
(31/08/2015)

8. REMAINDER OF THE STUDY PROGRAMME – PHASE 1

8.1 Ms M Esterhuizen provided the key activities for the remainder of the study programme. The main item is review and comments on the strategies distributed on a CD. Comments should be submitted by 14 August 2015 to Ms Esterhuizen (contact details in the presentation and BID). The PSP team would then review and consider the comments to incorporate into the Strategies and finalise the strategies for submission to: DWS Head Office, NWRP and the

All
(14/08/2015)

DWS Regional Office, Mmabatho.

8.2 Once the Strategies have been finalised, the District Municipality Summaries will also be finalised & submitted to the DWS for distribution to the municipalities and WSAs.

PSP, DWS
(28/09/2015)

8.3 The DWS is in the process of revamping their website and it is envisaged that the reviewed and updated All Towns Strategies, once finalised, will also be available on the website for downloading.

DWS
(30/10/2015)

8.4 The current study – Phase 1 – ends in September 2015 and the last Study Management Team meeting will be on 16 September 2015.

9. WAY FORWARD

9.1 Mr Nditwani presented the way forward of the study. It was emphasised that the Strategies be used for the municipal planning activities, which include the review and update of the WSDP, IDP, project / needs development (irrespective of the funding stream) and water use licensing applications amongst other. Further more, the DWS in turn should use the Strategies when appraising new projects or water use licenses. It includes reviewing the implementation of WC/WDM activities.

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9.2 The DWS identified the following priority areas for the development of in-depth reconciliation strategies:

- Olifants-Sand Cluster in Polokwane, Limpopo Province; and
- Mahikeng Cluster in Mahikeng, North West Province.

9.3 SSC members are encouraged to continue engagement with the DWS on the content, outcomes and recommendations of the All Towns Study Strategies. The DWS would in due course start Phase 2 of the study.

10. GENERAL

10.1 Mr Cawood enquired whether the All Towns Reconciliation Strategies link to the North West Master Planning initiative from the DWS Directorate: Water Services Planning and DWS Regional Office and if it can be used as District Master Plans. Mr Nditwani confirmed that the All Towns Reconciliation Strategies should be an information source in the Master Planning, but that detailed studies to address technical, institutional and financial aspects should still be conducted as necessary. The All Towns Reconciliation Strategies are useful in that they provide guidance for meeting current and future water requirements.

11. DATE OF NEXT MEETING AND CLOSURE

11.1 NEXT MEETING

11.1.1 Mr Nditwani indicated that the next meeting date would be communicated to all SSC members.

11.2 CLOSURE

11.2.1 Mr Nditwani thanked all members for their attendance and participation and adjourned the meeting at 12:55.

Meeting notes compiled by Ms M Esterhuizen of UWP Consulting

APPENDIX A ATTENDANCE REGISTER

NW Stakeholder Attendance Register

SSC Workshop 2 - 23 July 2015




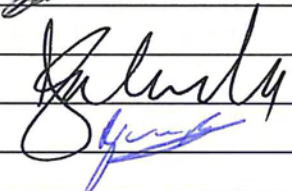
Organisation	Title	Surname	Name	Designation	Email	Tel	Fax	Cell	Signature
Bigen Africa	Mr	Bosman	Bill	Planning	Bill.bosman@bigenafrica.com	018 386 2111			
Botshelo Water	Mr	Laureles	Ray	District Manager - NMM & TSW	laureles@nwpg.gov.za	+27 18 384 2951/53	018 384 1961 / 086 68 58 48		
COGTA: NW		Assigned Representative					086-695-3784		
Department Housing and Human Settlement		Mpobole	K	Acting Director: Technical Services	kmpobole@nwpg.gov.za; omongale@nwpg.gov.za	018-391-0411	018 384 5426	082-441-6056	
Department Human Settlement	Ms	Rakale	Mangie	NDHS - NW	mangie.rakale@dhs.gov.za	018-387-9500	086-620-7825		
Department of Mineral Resources	Mr	Swart	Pieter	NW: Regional Manager	Pieter.Swart@dmr.gov.za; lpeleng.Wesi@dmr.gov.za	018-487-9830	018-462-9039		
Department of Water & Sanitation	Mr	Botha	Rens	CE: WRM	bothar@dwg.gov.za	012-392-1308	012-392-1408	082-808-9560	RB
Department of Water & Sanitation	Mr	Jezewski	Witek	Dep CE: Water Services Planning and Information	jezewski@dwg.gov.za	012-336-8160	012-336-8295	082-412-4737	W. Jezewski
Department of Water & Sanitation	Mr	Khumoeng	Ishmael	DWS NW: WSDP Coordinator .Water Sector Support	khumoengi@dwg.gov.za; SetenaneS@dws.gov.za	018-387-9500/86		082-806-8857	
Department of Water & Sanitation	Mr	Moabelo	Koena		moabelok@dwg.gov.za		012-336-8174		
Department of Water & Sanitation	Ms	Mosoa	Lebo	NWRPS: WQ	mosoal@dwg.gov.za	012-336 7564		082-885 1968	Apology
Department of Water & Sanitation	Mr	Nditwani	Tendani	Acting Director: NWRP; Chief Water Resource Planner: NWRP (North)	NditwaniT@dwaf.gov.za	012 336-8189	012-336-8295	082-888-5113	
Department of Water & Sanitation	Mr	Nyatlo	Isaac	DWA: WRPS (System Operations)	nyatloi@dwg.gov.za	012-336-7582		082- 805 6384	
Department of Water & Sanitation	Mr	Rademeyer	Seef		rademeyers@dwg.gov.za	012-336-8358		082-809-2338	
Department of Water & Sanitation	Mr	Ramanga	Thomas Modisane	DWA: WRPS (System Operations)	ramangah@dwg.gov.za	012-336 7907			
Department of Water & Sanitation	Mr	Ratomba	John	DWA: RBIG (NW)	Ratombaj@dwg.gov.za	018 - 3879500		073-170-9673	
Department of Water & Sanitation	Ms	Ristic	Dragana		risticd@dwg.gov.za	012-336-8302			
Department of Water & Sanitation	Mr	Thulo	Neo		ThuloN@dwg.gov.za	018-387-9500		082-600-8392	
Department of Water & Sanitation	Mr	van den Berg	Ockie	Chief Engineer: Options Analysis (North)	VanDenBergO@dwg.gov.za	012-336-8613	012-336-7399	082-809-2011	
Department of Water & Sanitation	Mr	Van der Merwe	Paul	North West	VanDerMerwep@dwg.gov.za	018 - 3879500		0823090937	Finally on pension.
Department of Water & Sanitation	Mr	van Wyk	Jurgo	NWRPS: WQ	VanWykJ@dwg.gov.za	012-336-8407	012-336-6731	082-809-5420	
Dept. of Agriculture, Forestry & Fisheries (DAFF)	Ms	Gabriel	Mary-Jean	Director: Water Use & Irrigation Development	dwuid@daff.gov.za; bmohlakoana@nwpg.gov.za		018 384 4571	082-555-8064	
Dept. Of Local Government	Mr	Fourie	Lucky		lfourie@nwpg.gov.za		018 384 5426		
Development Bank of Southern Africa	Dr	Ntsime	Patrick	North West Business Unit Manager	PatrickN@dbsa.org.za; KelvinM@dbsa.org	011 313 3525	011 206 3525		
Golder Associates	Mr	van Wyk	Eddie		EvanWyk@golder.co.za; anventer@golder.co.za	011 254 4800		073 937 1045	

DEPARTMENT OF MR MAKOMBE TENDAYI DWS: NWRP
WATER & SANITATION

makombet@dws.gov.za

0123368033 - 0836621414

Julia

Organisation	Title	Surname	Name	Designation	Email	Tel	Fax	Cell	Signature
Magalies Water	Mr	le Roux	Roelf	General Manager: Projects	roelfl@magalieswater.co.za ; reeneh@magalieswater.co.za	014-597 4636	086 676 3236	083-289-9214	
MISA NW	Ms	Seabelo	Pinky	Provincial Programme Manager	pinky.seabelo@misa.gov.za			082-551-4503	
Moedi Consulting	Mr	van Dyk	Rademan		fritz@moedi.co.za ; lennert@moedi.co.za	018-462-2111	018-462-9603	082-394-8655	
Muondli Consulting and Projects CC	Mr	Jeleni	Albert	All Towns PSP - Central Region	albertj@muondli.co.za	086 648-0183	012 549-5126	076 773-7460	
NW Office of the Premier	Mr	Schoeman	Danie	Office of the Premier	dschman@nwpg.gov.za	018-387-4007	018-387-5441		
Planning Commission		Mosiane	Radinaledi	North West Planning Commission	rmosiane@nwpg.gov.za ; radinaledimosiane@yahoo.com	018 388 3470		082-269-3647	
SALGA	Ms	Fhwebane <i>SH WABANE</i>	Zodwa	Acting Programme Manager: MIS	zfwebane@salga.org.za	018 462 5290	018 462 4662		
Sedibeng Water	Mr	Lebitso	Moses	Area Manager, incl Ngaka MM DM	mlebitso@sedibengwater.co.za	056-515-0200/ 053 4740 334	053 474 0334	083 630 0621	
Sedibeng Water	Mr	Takalani	Rembuluwani	Chief Executive	ttakalani@sedibengwater.co.za	056-515-0200	053 474 0334	083 630 7701	
South African National Biodiversity Institute	Mr	Dini	John	Programme Manager: Working for Wetlands	J.Dini@sanbi.org.za	012-843-5192	012-843-5165	083-420-7988	
UWP	Mr	de Jager	Leon		leondj@uwp.co.za				
UWP	Ms	Esterhuizen	Monja		monjae@uwp.co.za				
Water Research Commission	Mr	Nomqophu	Wandile	Research Manager	wandilen@wrc.org.za	012-330-9069	012-331-2565	083-290-7243	
Western Limb Producers Forum	Mr	Meyer	Bernard	On behalf of - WLPP	bernard.meyer@angloamerican.com	011 373 6651	086 760 4167	083 445 5605	
WRP	Mr	Mare	Manie		maniem@wrp.co.za	012-366-3496			
WRP	Mr	Talanda	Colin		colint@wrp.co.za	012-346-3496		084-555 8044	
WRP	Mr	van Rooyen	Pieter		PieterV@wrp.co.za	012-346-3496		082-321 3446	
Bojanala Platinum DM	Mr	Sirovha	Innocent	Municipal Manager	innocent@bojanala.gov.za ; sirovhainnocent@bojanala.gov.za	014-590-4502	014-597-0306		
	Mr	Maluleke	Sydwell	Director: Technical Services	SydwellM@bojanala.gov.za	014-590-4502	014-597-0306		
Madibeng LM WSA	Ms	Sebidi	Lerato	Manager: Water Services	Leratosebidi@madibeng.gov.za	012-318-9665	012-318-9302	083-269 4003	
		Moabi	Bathabile	Dir: Human Settlement & Planning	batabilemoabi@madibeng.gov.za	012-318-9230	012-318-9302		
	Mr	Lelaka	Michael	Dir: Infrastructure & Technical Services	michaellelaka@madibeng.gov.za	012-318-9380	012-318-9654		
	Mr	Motlashuping	Tebogo	Municipal Manager (Acting)	munman@madibeng.gov.za	012-318-9100	012-318-9203		
Rustenburg LM WSA	Mr	Mokgwamme	Mike	Director: Infrastructure & Technical Services	lebon@rustenburg.gov.za	014-590-3380	014-590-3388		
	Ms	Mateta	Ziyanda	Manager: Water & Sanitation & WSDP	zmateta@rustenburg.gov.za	014-590-3530	014-590-3388		

Organisation	Title	Surname	Name	Designation	Email	Tel	Fax	Cell	Signature
	Adv.	Khenisa	Bheki	Municipal Manager	munman@rustenburg.gov.za	014-590-3111	014-592-0181		
Kgetlengrivier LM WSA	Mr	Chiloane	Tertius	Director: Infrastructure and Technical Services	tlogelang.tc@vodamail.co.za; ChiloaneT@kgetlengrivier.gov.za	014-543-2615	086-525-2546	082-661-4328	
	Mr	Mothogoane	Ben	CFO	mothogoaneb@kgetlengrivier.gov.za	014 543 - 2004	086-525-2546		
	Ms	Motsatsi	Neo	Municipal Manager	jdubruyn@kgetlengrivier.gov.za	014-543-2004	014-543-2480		
Moses Kotane LM WSA	Mr	Chiloane	Tertius	Water HOD I.T.S	tlogelang.tc@vodamail.co.za; leraton@moseskotane.gov.za	014-558-3489	014-555-6368	079-507-3883	
	Mr	Gabanakgosi	Katlego Terrel	Dir: Infrastructure & Technical Services	gabanak@vodamail.co.za	014-558-2761/2772	014-555-6368	071-363-7742	
	Mr	Maseloane	Boikanyo	PMU Manager	boikanyomaseloane@gmail.com	014-555-1300	014-555-6368	071-4749 130	
	Ms	Moselane	Bafedile	IDP Manager	moselaneb@moseskotane.gov.za	014-555-1407	014-555-6368	082-467-6740	
	Ms	Dince	Nono	Municipal Manager	municipalmanager@moseskotane.gov.za	014-555-1300	014-555-6368		
	Mr	Ngobeni	Humble	WATER	humble@moseskotane.gov.za	014 5583 2960		071 6790074	
Moretele LM WSA	Ms	Rampedi	MN	Municipal Manager (Acting)	info@moretele.org.za	012-716-1300	012-716-9999		
Ngaka Modiri Molema DM WSA	Mr	Nhutang	Pholo	Senior Manager: Infrastructure Development and Maintenance	Nhutangg@gmail.com	018-381-9470/ 018 381 9400	018-381-0561		
	Mr	van der Heiden	Eddie	Dir: Infrastructure	vanderheidene@nmmdm.gov.za	018-381-9400	018-381-0561		
	Mr	Maboka	Victor	Senior Manager: Water Services	mabokavictor@gmail.com	018 381 9400/9470	018-381-0561	076-153 3457	
	Ms	Blaw	A	IDP Manager	blawa@nmmdm.gov.za	018-381-9438	018-381-0561		
	Mr	Tlhoale	Boitumelo (Hilany)	Infrastructure: Technologist	BHtlhoale1@gmail.com; tlhoaleb@nmmdm.gov.za	018-381-9400	018-380-8370		
		Pulenyane	Kabelo		kpulenyane@gmail.com	018-381-9400	018-381-0561	071-516-5172	
	Mr	Matlole	Mojalefa	Municipal Manager (Acting)	municipalmanager@nmmdm.gov.za	018-381-9400	018-381-0561		
Mafikeng LM	Mr	Ruiters	Ranko	Director: Infrastructure	juanitajansen@mafikeng.gov.za	018-389-0381/0380	018-384-4830	078-603 5372	
	Mr	Rabanye	Kgotso	Municipal Manager	munman@mafikeng.gov.za	018-389-0111	018-384-4830		
Retired	Mr	Dube	Aubrey		juanita.vanbiljon@mafikeng.gov.za	018-389-0382	018-384-4830		
	Ms	Monaisa	Irene	LAB-TECHNICAL irene.monaisa@mafikeng.gov.za	rinzocs@gmail.com	018-389-0111	018-384-4830	072-091-1940	
Resigned		Babe	V	Director: Planning and Development		018-389-0111	018-384-4830		
	Ms	Modi-Tse	Mmatshapi	Head: Water & Sanitation	mmatshapi.modi-tse@mafikeng.gov.za	018 389 0382	018 384 4226	0665033495	
Ditsobotla LM		Morubane	Leslie	Head: Housing	lesliem@ditsobotla.co.za	018-632-6955	018-632-5247		

Organisation	Title	Surname	Name	Designation	Email	Tel	Fax	Cell	Signature
	Mr	Lepedi	Puiso	Head: Infrastructure	clarkm@mitsobotla.co.za ; puisol@mitsobotla.co.za	018-632-6955	018-632-5247		
		Lombard	D	WSDP Manager	lombardd@mitsobotla.co.za	018-632-6955	018-632-5247		
	Ms	Malebatja	Grace		malebatjagrace@gmail.com	018-632-6955	018-632-5247	076-912-0513	
	Mr	Molaodi	Steve		smolaodi3@gmail.com	018-632-5851	018-632-5219	076-910-4746	
	Mrs	Zandamela	KR	Municipal Manager (Acting)	moiloag24@gmail.com	018-632-6955	018-632-5247		
	Mr	Motlhabane	Israel	Head: Integrated Development and Planning	israelm@mitsobotla.gov.za	018-632-6955	018-632-5247		
Ramotshere Moiloa LM	Mr	Maema	Crosby	Municipal Manager	neo.lemme@ramotshere.gov.za	018-642-1081 Ext. 202	018-642-3586		
	Mr	Ramaphokela	Oscar	WSDP Manager	oscar.ramaphokela@ramotshere.gov.za	018-642-1081	018-642-3586		
	Mr	Boikanyo	Kabelo			018-642-1081	018-642-3586		
	Mr	Rassool	Mohamed		mjassool@gmail.com	018-642-1081	018-642-2642		
	Mr	Makaukau	J	Director: Technical Services		018-642 1081.	018-642-3586		
Ratlou LM	Mr	Mabilo	Goone	Technical Services Director	constance.mmelesi@lgnet.org.za ; mabilo@ratlou.gov.za	018-330-7000	018-330-7019		
	Mr	Kopele	Tukisetso	Director: Town Planning and Development	kopele@ratlou.gov.za	018-330-7000	018-330-7019		
	Mr	Lekomanyane	Glen	Municipal Manager	motoko@webmail.co.za ; riah@ratlou.gov.za	018-330-7000	018-330-7019		
Tswaing LM	Mr	Breytenbach	Hennie	Director: Technical Services		053-948-0900	053-948-1500		
	Mr	Mere	K S	Municipal Manager	mmoselochoge@gmail.com ; dakota.legoete@lgnet.org.za ;	053-948-0900	053-948-1500		
		Dikgwatle	Kutlwano	Infrastructure and Technical Services		053-948-0900	053-948-1500		
Dr Ruth Segomotsi Mompati - WSA	Mr	Lecoge	Lesley M	MDP/PMS	lecoge1961@gmail.com	053 998 4455	053 998 3711	071 685 6366	RESIGN
	Mr	Hayat	Mohammed	Infrastructure Service & PMU (Tech & Eng)	hayatm@bophirima.co.za	053-927 1024	053-927-2401	082 554 2453	RESIGN WITH AWSCL
	Mr	Chwene	Molefi		chwenem@bophirima.co.za	053-927-2222	053-927-2401		
		Motlhasedi	J	Water Services	motlhasedij@bophirima.co.za	053-927-2222	053-927-2401		
	Mr	Tshetlho	Zebo	Municipal Manager	tshetlhoz@bophirima.co.za	053-927-2222	053-927-2401		
	Mr	Jood	Walter	Engineering and Technical Services	joodw@bophirima.co.za	053-927-2222	053-927-2401		APOLOGIES
	Mr	Cawood	Fred		cawoodf@bophirima.co.za	053 927 1095/1024	053-927-2401	082 854 9199	AWOOD
		Ms. Phinitshwane	Kagela	Manager: water Services	phinitshwanek@bophirima.co.za	053 927 1095		083 534 6838	Phinitshwane
Lekwa-Teemane LM	Mr	Oosthuizen	Reinhardt		Oosthuizenr@lekwa-teemane.co.za	053 441 2206	053-441-2210	082 338 6313	

Organisation	Title	Surname	Name	Designation	Email	Tel	Fax	Cell	Signature
	Mr	Ngengo	Ndoda	Municipal Manager	ngengon@lekwa-teemane.co.za	051-713-9200	051-713-0292		
	Mr	Segapo	Brian	Director: Technical Services	segapob@lekwa-teemane.co.za	051-713-9200	051-713-0292		
Mamusa LM	Mr	Matokayane	Tumelo	IDP Manager	Limatoks@yahoo.com	053-963-2474	053-963-1331	073-031-8867	
	Mr	Mongale	Maxwell	Technical Services Director	mongalem@mamusalm.co.za	053-963-1331	053 963 2474	073-311-4417	
	Mr	van der Westhuizen	Seun		smmotorcycle@wasp.co.za	053-963-1331	053-963-2474	083-524-8500	
	Mr	Gincane	Ruben	Municipal Manager	gincaner@mamusalm.co.za	053-963-1331	053-963-2474		
Greater Taung LM	Mr	Picoyame	Ogodiseng	Water & Sanitation	picoyamew@taunglm.co.za	053-994-9457	086-600-4677	079 749 5519	<i>Pass AWAY</i>
	Mr	Duma	Michael	Technical / Eng Services & Infrastructure & Land Use	dumam@taunglm.co.za	053-994-9406	053 994 3917		
	Ms	Modisa	Dolly		modisad@taunglm.co.za ; humag@taunglm.co.za	053-994-9478	053-994-3911	071-431-7421	
	Mr	Gabanakgosi	Katlego	Municipal Manager	mccordc@taunglm.co.za ; info@taunglm.co.za ;	053-994-9400	053-994-9611		
Naledi LM	Mr	Pretorius	Gideon Leon	Technical / Eng Services	leonpretorious961@gmail.com ; pretoriusl@naledi.local.gov.za	053 928 2207/8	053 927 1022	079 512 6319	
	Mr	Moinwe	Lebogang	Executive Manager: Technical Services	moinwel@naledi.local.gov.za	053-928-2207	053-927-1022		
	Mr	Segapo	Modisenyane	Municipal Manager	municipalmanager@naledi.local.gov.za ; segapod@gmail.com	053-928-2200	053-927-3482		
Kagisano & Molopo LM	Mr	Molele	P	Technical/Eng Services	molelep@kagisanolm.co.za ; karabolesabe@yahoo.com	053 998 3369	053-998-3711	082-575-6412	
	Mr	Dijwe	Kutlwano	Water & Sanitation	dijwek@kagisanolm.co.za	053 998 3369	053 988 3286		
	Mr	Khuduge	Ashmar	Municipal Manager	khudugea@kagisanolm.co.za ; mathubem@kagisanolm.co.za	053-998-4455	053-998-3369 / 3711		
Dr Kenneth Kaunda DM	Ms	Matthews	Matlakala Irene	Municipal Manager	munman@kaundadistrict.gov.za ; matthewsm@kaundadistrict.gov.za	018-473 8016	018-473 2523		
		Lokwae			lokwaemj@gmail.com	018-473 8016	018-473-2523	078-677-7824	
	Ms	Ntlhake	Madillo Maria		Madillomn@gmail.com	018-473-8104	018-473-2938		
		Tshukudu	T		ttshukudu@kaundadistrict.gov.za	018-473-8113	018-473-2523		
	Ms	van Schalkwyk	Flora		floravs@kaundadistrict.gov.za	018-473-8069	018-473-2523		
	Mr	Chanda	Tebogo	Director: Infrastructure and Development	tebogoc@kaundadistrict.gov.za	018-473-8000	018-473-2523		
Ventersdorp LM WSA	Mr	Boikanyo	Lesego	Director Strategic Planning & Economic Development	lesego@vertersdorp.co.za	018-264-8599	018-264-8567	076-971-1610	

Organisation	Title	Surname	Name	Designation	Email	Tel	Fax	Cell	Signature
	Mr	Marx	Wynand		wmarx@ventersdorp.co.za	018-264-8599	018-264-8567		
	Mr	Makande	Joel	Municipal Manager	imakade@ventersdorp.co.za; brenda@ventersdorp.co.za	018-264-8500	018-264-8567		
		Masopha	R	Water Services	rmasopha@ventersdorp.co.za	018-264-8500	018-264-8567		
	Mr	Moremedi	Gideon	Director: Engineering Services	manley@ventersdorp.co.za; gideon@ventersdorp.co.za	018-264-8500	018-264-8567		
Tlokwe City Council WSA	Mr	Stoltz	Christo	Acting Infrastructure Manager	christos@tlokwe.gov.za; joeym@tlokwe.gov.za	018-299-5403	018-299-5443		
	Dr	Mokgethi	Blaai	Municipal Manager	joeym@tlokwe.co.za; joeymt@tlokwe.gov.za	018-299-5111	018-297-0477		
	Mr	Kleinhans	Kleintjie		kleintjiek@tlokwe.gov.za	018-299-5403	018-299-5443	083-362-4935	RETIRED
	Mr	Carson	Lance		lancec@tlokwe.gov.za	018-299-5443	018-299-5433	083-743-0918	
City of Matlosana WSA	Mr	Lethale	Itu	Director: Infrastructure and Utilities	ilethale@klerksdorp.org	018-487-8368	018-462-6154		
	Mr	Strydom	AG	Director: Municipal and Social Services	gstrydom@klerksdorp.org	0184878010	0184623083		
	Mr	Mukondeleli	Ronny		rmukondeleli@klerksdorp.org	018-487-8023	018-462-6154		
	Ms	de Klerk	Brenda		bdeklerk@klerksdorp.org; watersection@klerksdorp.org	018-487-8375	018-462-6154		
	Mr	Mohapi	Hanse		kkeikabile@klerksdorp.org	018-487-8383	018-462-6154		
	Mr	Motsemme	Elie Tsietzi	Municipal Manager	dnkosi@klerksdorp.org; confidence@klerksdorp.org	018-487-8300	018-464-1780		
Maquassi Hills WSA	Mr	Muller	James	Manager: Technical Services	mullerj@wollies.gov.za	018-596-1067	018 596 1295	0833-88 5216	
	Mr	Morris	Nico	Water Services	morris.anet@gmail.com; jamesm@maquassihills.org	018-596-1067	018-596-1555	083388-5073	
		Phaedi	TG	Acting Director of Planning and Development		018-389-0351	018-596-1555		
	Mr	Jonas	Ronald	Municipal Manager	mooketsim@maquassihills.org	018-596-1067	018-596-1555		
	Mr	Besane	Madoda	Director: Engineering	madodab@maquassihills.org	018-596-1067	018-596-1555		
	Mr	Motlashuping	Vincent	Divisional Head: Roads and Storm Water	vincentm@maquassihills.org	018-596-1067	018-596-1555		
SALGA	MR	MAKHOANA	Tikolofo	prog. Manager	tmakhoana@salga.org.za			0795073883	Ca/Cwanda
Sedibeng Water	MR	Theys	Alfred	Marketing & Comm	ntheys@sedibengwater.co.za	0836333324	056-550369		Theys
DWS	Mr	Fourie	Fanus	SM: WRPS	Fourief@dws.gov.za	012-3367303	012-336731	082 801 5598	Fourie
DWS	Mrs	Naicker	Sivashni	Candidate Scientist	naickers@dws.gov.za	0123368131		0741942791	Naicker
DWS	Mr	MNDAWENI	SAHILE	WRPS	mndaweni@dws.gov.za	0123368764		0836549001	Mndaweni
Magpies water	Mr	Ramotse	Mugile	Ses 30	ramotse@magpieswater.co.za	014 577 4466			Ramotse

APPENDIX B PRESENTATION: NORTH WEST PROVINCE SSC WORKSHOP 02


water & sanitation
 Department
 Water and Sanitation
 REPUBLIC OF SOUTH AFRICA

CONTINUATION OF THE ALL TOWN RECONCILIATION STRATEGIES IN THE NORTH WEST PROVINCE

Strategies Steering Committee Workshop No. 2

DWS: National Water Resource Planning
 Thursday, 23 July 2015
 Grootbosch Wedding & Conference venue, Klerksdorp

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Agenda

1	WELCOME AND INTRODUCTION OF MEMBERS	T. Nditwani
2	ATTENDANCE AND APOLOGIES	T. Nditwani
3	ACCEPTANCE OF AGENDA	T. Nditwani
4	PURPOSE OF WORKSHOP	T. Nditwani
5	ROLE OF THE STRATEGIES STEERING COMMITTEE	T. Nditwani
6	BACKGROUND OF THE STUDY	T. Nditwani
7	UPDATING OF PRIORITY STRATEGIES: METHODOLOGY	C Talanda
8	UPDATED PRIORITY STRATEGIES - Bojanala Platinum DM - Ngaka Modiri Molema DM - Dr. Ruth S. Mompoti DM - Dr. Kenneth Kaunda DM	L de Jager/ A Jeleni
9	REMAINDER OF THE STUDY PROGRAMME – PHASE 1	M. Esterhuizen
10	WAY FORWARD	T. Nditwani
11	GENERAL	T. Nditwani
12	DATE OF THE NEXT MEETING AND CLOSURE	T. Nditwani
13	LUNCH	ALL

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Item 4: Purpose of the Workshop

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Item 4: Purpose of the Workshop

- SSC Workshop No. 1 held in April 2013:
 - To introduce the study to all Stakeholders (SH)
 - To establish and define the role of the Strategies Steering Committee (SSC)
 - Facilitate cooperation and interaction with the SH's
 - To outline findings during the Inception Phase
 - To outline the scope of work, methodology, way forward and preliminary study programme
 - To obtain comments and input from SH's
 - To prioritise the strategies to be updated

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Item 4: Purpose of the Workshop

- Purpose of this SSC Workshop No. 2:
 - Present methodology for updating strategies
 - Present the updated reconciliation strategies that were prioritised in the SSC Workshop 1
 - Agree on the preferred development scenarios
 - Obtain comments and inputs from the SSC
 - Way forward

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Item 5: Role of Strategies Steering Committee (SSC)

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Role of Strategies Steering Committee (SSC)

- SSC Terms of Reference (Information Pack)
- Provide executive guidance to the direction and outcomes of the study
- Provide supplementary information and input from a local and regional perspective
- Facilitate strategic linkages with other initiatives
- Disseminate information from study into the relevant organizations
- Incorporate strategies' recommendations into development plans such as WSDP's, IDP's, Implementation Readiness Studies (RBIG), License Applications etc.
- To facilitate the acceptance and sign-off of the updated Reconciliation Strategies

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Item 6: Background of the Study

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Background to This Assignment

- 2007: Development of Reconciliation Strategies for All Towns
- Key general messages from All Town Studies (2007-2011)
 - Improved management will solve largest portion of immediate problems
 - Minimal metering (**limited water use records**)
 - High per capita use in many towns pointing to WC/WDM potential
 - Groundwater remains a feasible source of water for many towns
 - Municipal infrastructure constraints rather than water resource availability limitations
 - Rudimentary strategies – improvement required

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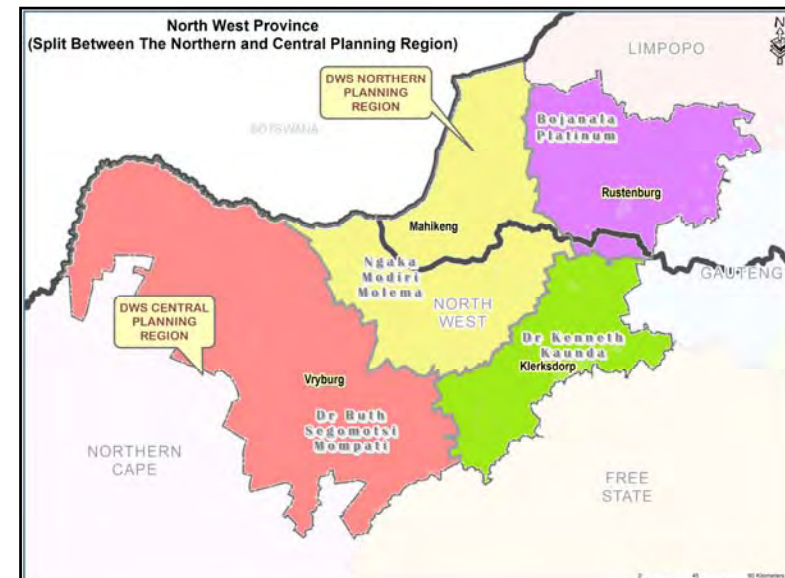
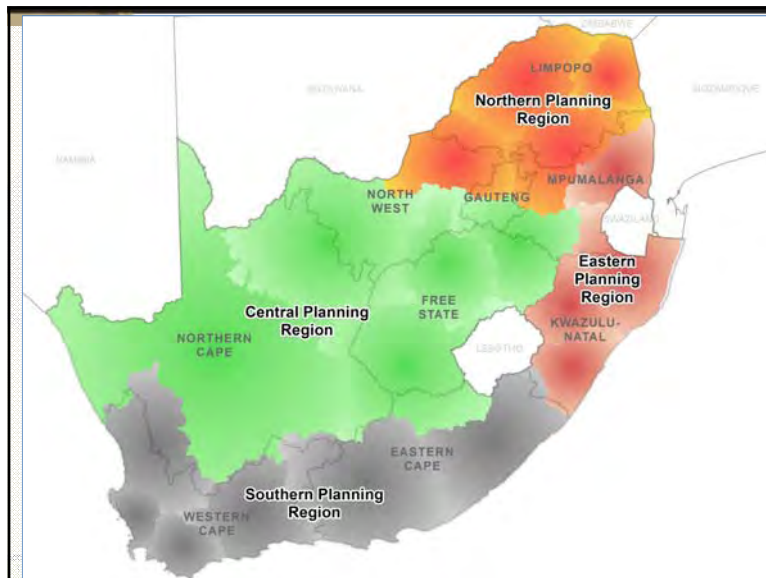
Background to this Assignment

- 2012: Continuation of the DWS Planning Regions' All Town Reconciliation Strategies: Phase 1
 - Update and review priority strategies - three year appointment (until 2015)

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Purpose of Study

- This assignment is the first review and updating of priority strategies
 - Budget constraints dictated that not all strategies can be reviewed and updated during this assignment
- **On-going** process even after these studies end
- Assist DWS and Water Services Authorities (WSAs) to:
 - Update and revise priority strategies
 - To remain technically relevant and sustainable
 - Reconcile water requirements and water resources (up to 2035)
 - Identify areas requiring comprehensive Recon Strategies

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Purpose of Study cont.

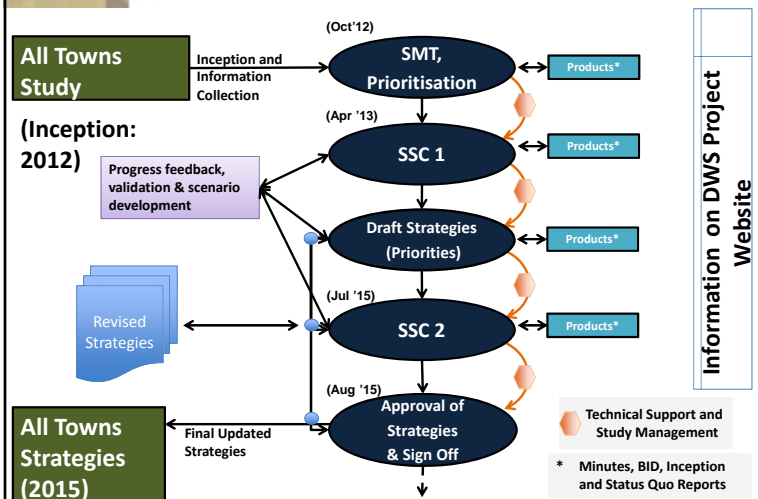
- Assist DWS and WSAs (cont.) to:
 - Evaluation of interventions where shortfalls occur
 - Management and/or infrastructure
 - Align strategies with known development planning processes
 - Provide recommendations for the sustainable management of water resources
- Promote the use of strategies' information in local, provincial and national planning environments

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Study Communication & Process



Item 7: Updating Priority Strategies Methodology

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Prioritisation of Reconciliation Strategies

- **Step 1:** Identification of Category 4 strategies (towns currently in a water balance deficit)
- **Step 2:** Eliminate towns where solutions are in an advance stage of planning or implementation (RBIG projects)
- **Step 3:** Add towns where RBIG or other processes are in an early stage of planning and can still be influenced by strategy recommendations
- **Step 4:** Add any other hot spot areas identified on a national, provincial or local strategic level
- **Step 5:** Final selection was confirmed at Strategy Steering Committee Workshop 1

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Updating Priority Reconciliation Strategies

- Detailed assessment of strategies according to the following themes:
 - Demographics (Census 2011) & Economic Drivers, migration etc
 - Water requirements (**importance of metering**)
 - WC/WDM
 - Infrastructure (RBIG Projects)
 - Water resources
 - Surface water (DWS Studies)
 - Groundwater (desktop investigations)
 - Water quality
- Linkages with Recon Strategies for Large Systems



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Theoretical Water Requirements

- Population allocated to each Level of Service (LOS) category (Census 2011)

Category	Dwelling Type		Average Water Consumption (l/capita/day)
1	Flats		226
2	Clusters		255
3	Single Residential	Low Income	101
4		Medium Income	189
5		High Income	304
6		Very High Income	442
7	Informal	Below RDP Level	12
8		RDP Level	40
9		Above RDP Level	80

- Assumed Losses: Water Treatment =10%, Distribution = 10% (DWS Guidelines)
- Indirect usage for established towns

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Water Requirement Projections

- Water Requirement projections derived
 - Unit consumptions calibrated according to actual use (theoretical values used where no info available)
 - Projected population per town (High Scenario)
 - Estimated timing and extent of upgrading of water services (selected scenario)

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Water Requirement Projections

• Scenario 1 (Established Town - mostly formal):

- LOS assumed to be at a minimum of Residential Low Income by 2025
- 5% increase in Residential Medium Income 2011 to 2025 and a further 6% increase by 2035 (total of 11%)
- 2.5% increase in Residential High Income from 2011 to 2025 and a further 3.3% increase by 2035 (total of 5.8%)

Category	Dwelling Type
1	Flats
2	Clusters
3	Low Income
4	Medium Income
5	High Income
6	Very High Income
7	Below RDP Level
8	RDP Level
9	Above RDP Level

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Water Requirement Projections

• Scenario 2 (Town/Village - formal and informal LOS):

- LOS assumed to be at a minimum of Above RDP Level by 2025
- 5% increase in Residential Low Income 2011 to 2025 and a further 6% increase by 2035 (total of 11%)
- 2.5% increase in Residential Medium Income from 2011 to 2025 and a further 2.3% increase by 2035 (total of 4.8%)

Category	Dwelling Type
1	Flats
2	Clusters
3	Low Income
4	Medium Income
5	High Income
6	Very High Income
7	Below RDP Level
8	RDP Level
9	Above RDP Level

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Water Requirement Projections

• Scenario 3 (Village - mostly informal):

- LOS assumed to be at a minimum of RDP Level by 2025.
- 5% increase in Above RDP Level by 2011 to 2025 and a further 6.7% increase by 2035 (total of 11.7%)
- 2.5% increase in Residential Low Income from 2011 to 2025 and a further 3% increase by 2035 (total of 5.5%)

Category	Dwelling Type
1	Flats
2	Clusters
3	Low Income
4	Medium Income
5	High Income
6	Very High Income
7	Below RDP Level
8	RDP Level
9	Above RDP Level

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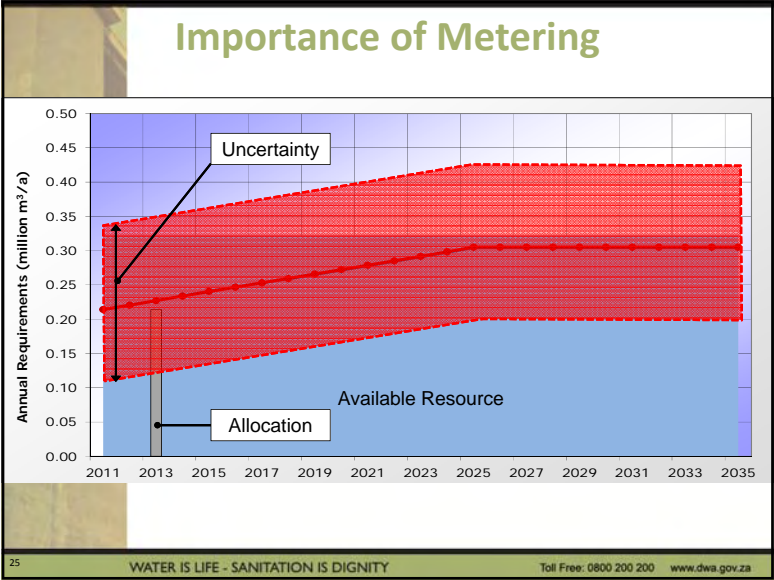
Updating Priority Reconciliation Strategies cont.

- Compile water balance diagrams (up to 2035)
- Identify potential development scenarios (management and infrastructure) for reconciliation of water requirements and water resources

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Item 8: Updated Strategies

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Prioritised Strategies Updated

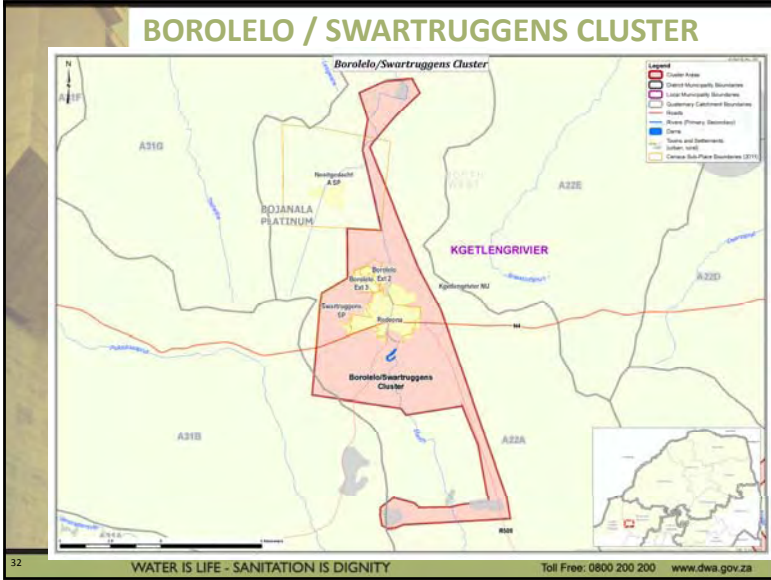
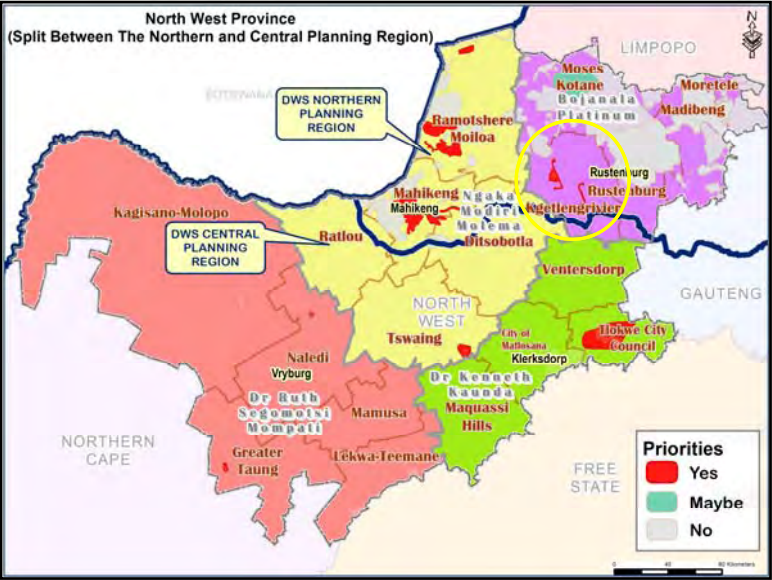
District Municipality	Local Municipality	Strategy
Bojanala Platinum	Kgetlengrivier	Borolelo & Swartruggens
		Koster & Reagile
Ngaka Modiri Molema	Mahikeng	Mahikeng
	Ramotshere Moiloa	Dinokana
		Motswedi Gopane
		Supingstad
	Tswaing	Ottosdal
Dr. Ruth S. Mompati	Naledi	Stella
	Greater Taung	Reivilo
Dr. Kenneth Kaunda	Tlokwe	Potchefstroom Urban

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Strategies Addressed by DWS Crocodile West Recon Study

District Municipality	Local Municipality	Strategy
Bojanala Platinum	Rustenburg	Rustenburg Vaalkop BWS
	Madibeng	Dikgophaneng and Fafung BWS

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KOSTER AND REAGILE CLUSTER

- Demographics (high growth): 19 469 (2011) – 28 273 (2035)

Category	Dwelling Type	% Population per Category		
1	Flats	0.9%	58.9%	Formal
2	Clusters	0.6%		
3	Low Income	43.4%		
4	Medium Income	9.8%		
5	High Income	3.4%	41.1%	Informal
6	Very High Income	0.9%		
7	Below RDP Level	8.5%		
8	RDP Level	7.2%		
9	Above RDP Level	25.5%		

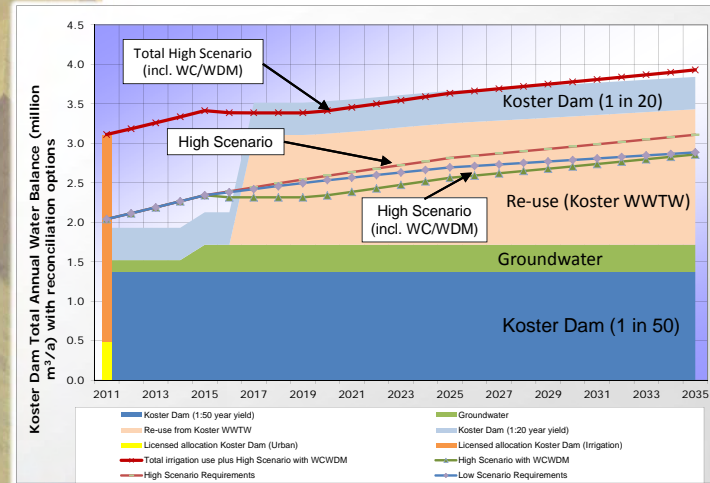
- Water sourced from Koster Dam and groundwater
- Water Requirement projection (high growth)
 - 2011 Theoretical: 1.475 million m³/a (4.04 MI/d, 207 l/c/d)
 - 2011: 2.041 million m³/a (5.59 MI/d, 287 l/c/d)
 - 2035: 3.109 million m³/a (8.51 MI/d, 301 l/c/d)

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KOSTER AND REAGILE CLUSTER



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KOSTER AND REAGILE CLUSTER

- Projected water requirements exceed available resources from 2012 (shortfall of 1.589 million m³/a (1.59 MI/d) by 2035). The following reconciliation measures are required:
 - WSA to implement WC/WDM
 - Development of additional groundwater resources: 0.196 million m³/a (0.537 MI/d)
 - WSA should undertake a feasibility study to confirm the viability of re-using treated effluent from the Koster WWTW (incorporate in RBIG IRS)
- Metering and monitoring of water use
- Infrastructure assessment to deliver committed volume
- Water allocations should be aligned with the projected water requirements with WC/WDM measures included

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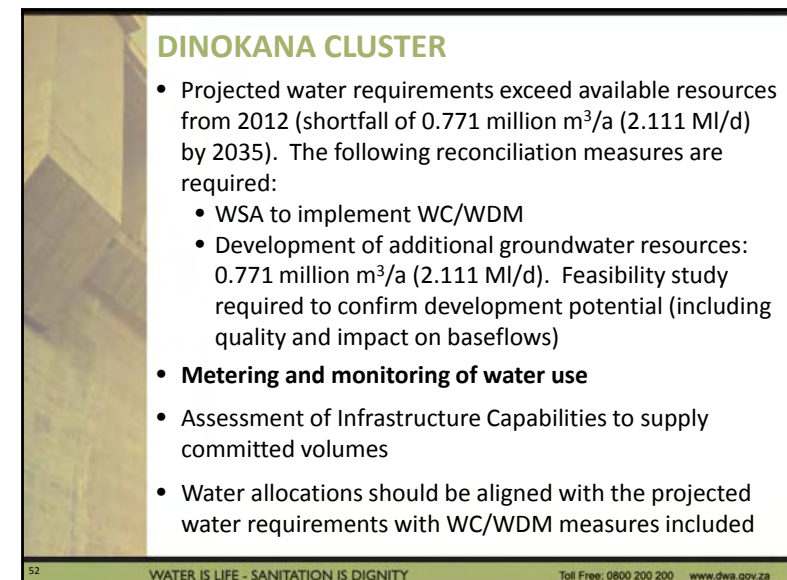
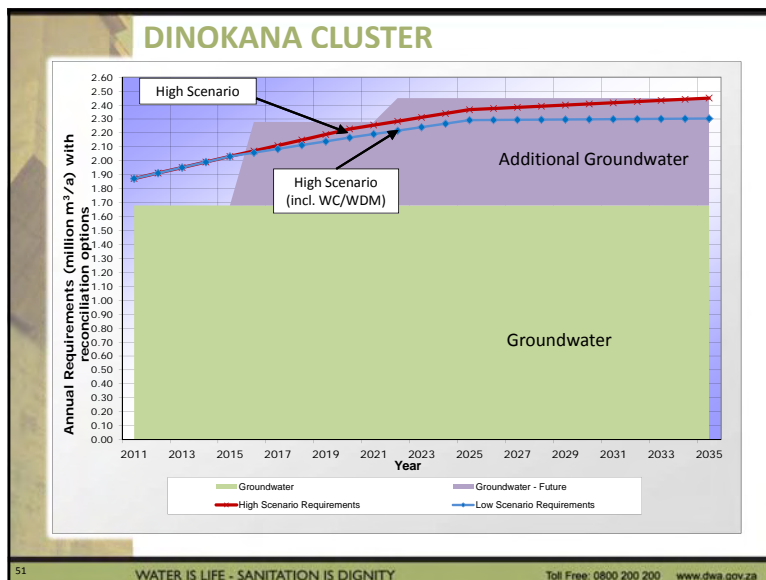
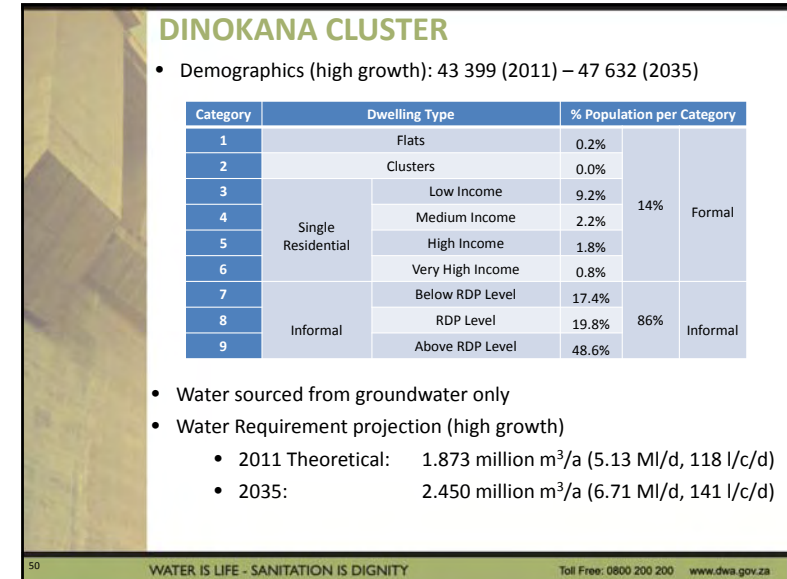
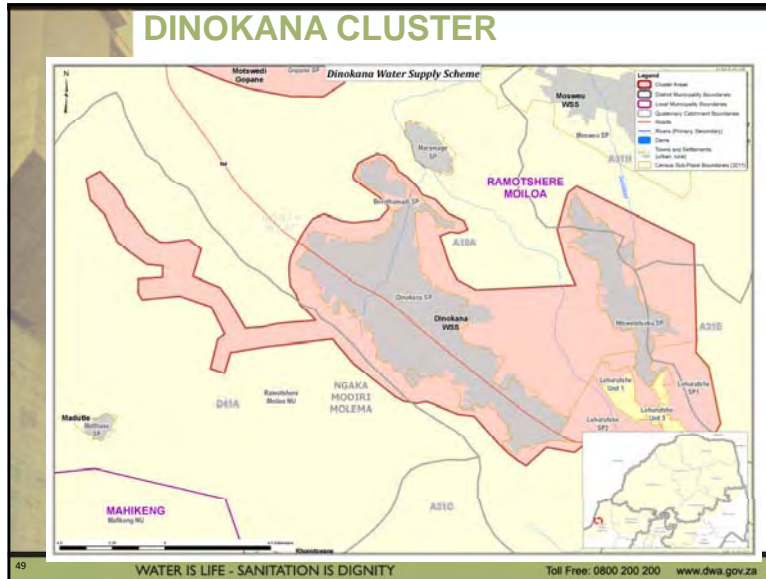
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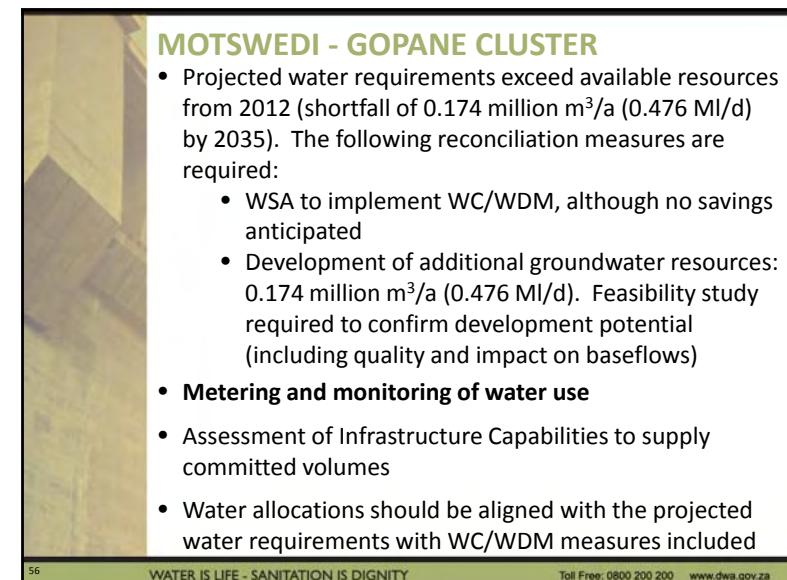
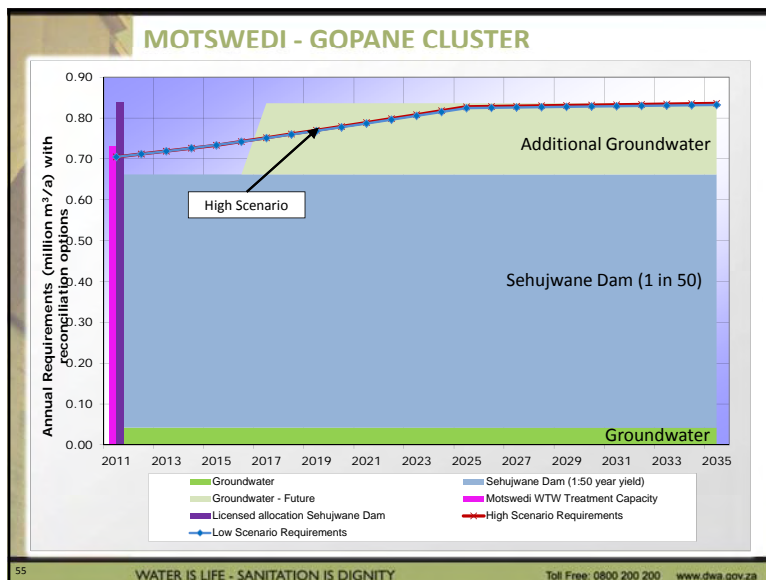
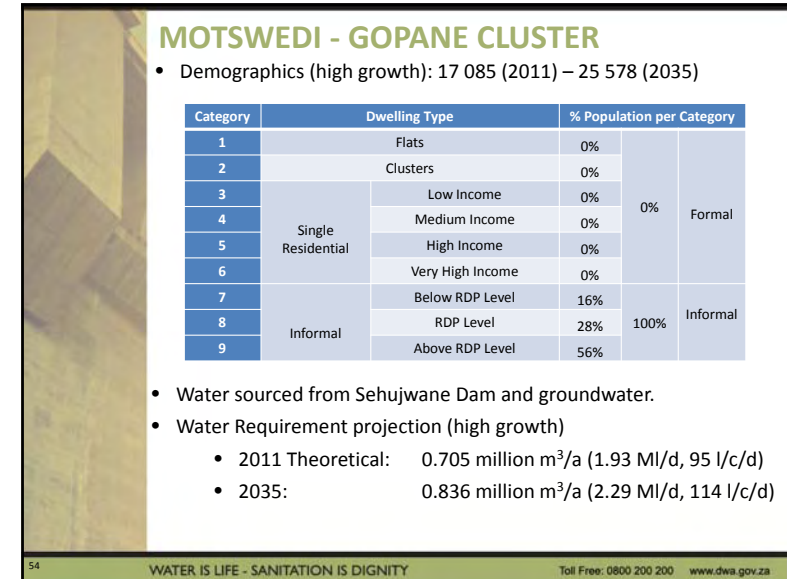
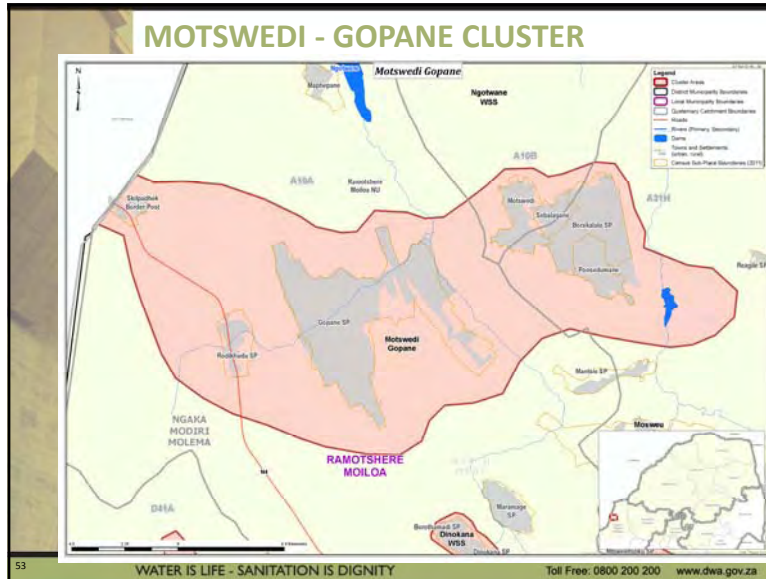
NGAKA MODIRI MOLEMA
DM
Mahikeng LM

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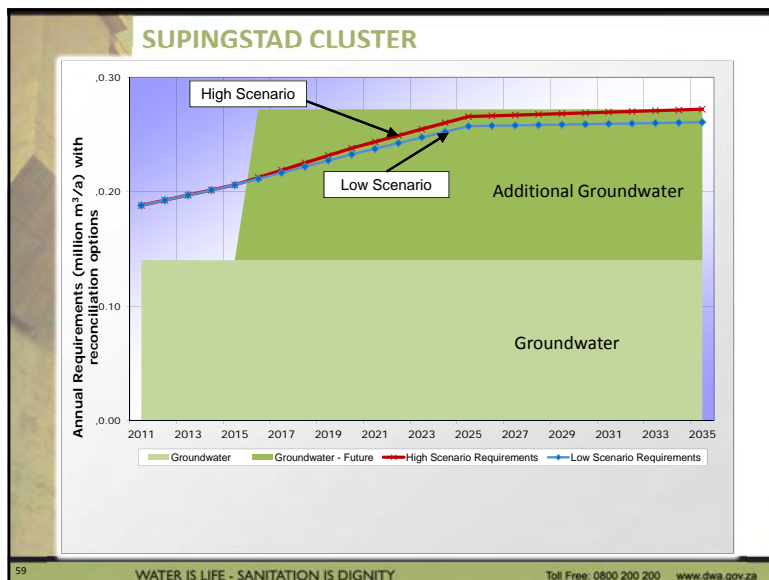


- Demographics (high growth): 3 821 (2011) – 4 135 (2035)

Category	Dwelling Type	% Population per Category		
1	Flats	0%	0%	Formal
2	Clusters	0%		
3	Low Income	0%		
4	Medium Income	0%		
5	High Income	0%		
6	Very High Income	0%		
7	Below RDP Level	38%	100%	Informal
8	RDP Level	56%		
9	Above RDP Level	6 %		

- Water sourced from groundwater
- Water Requirement projection (high growth)

2011 Theoretical:	0.073 million m ³ /a (0.20 Ml/d, 53 l/c/d)
2011	0.188 million m ³ /a (0.51 Ml/d, 135 l/c/d)
2035:	0.272 million m ³ /a (0.74 Ml/d, 180 l/c/d)



- Projected water requirements exceed available resources from 2012 (shortfall of 0.132 million m³/a (0.362 MI/d) by 2035).

The following reconciliation measures are required:

- WSA to implement WC/WDM, although no savings anticipated
- Development of additional groundwater resources: 0.132 million m³/a (0.362 MI/d. Feasibility study required to confirm development potential (including quality and impact on baseflows)
- Metering and monitoring of water use
- Assessment of Infrastructure Capabilities to supply committed volumes
- Water allocations should be aligned with the projected water requirements with WC/WDM measures included

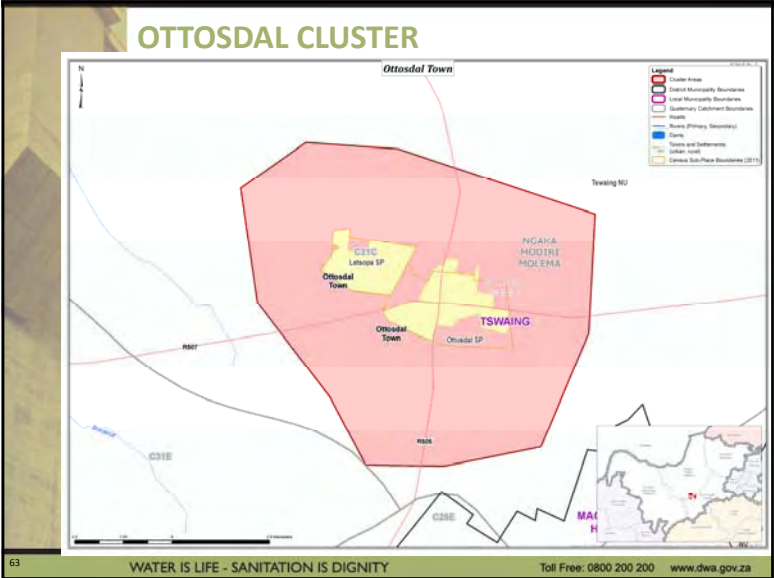
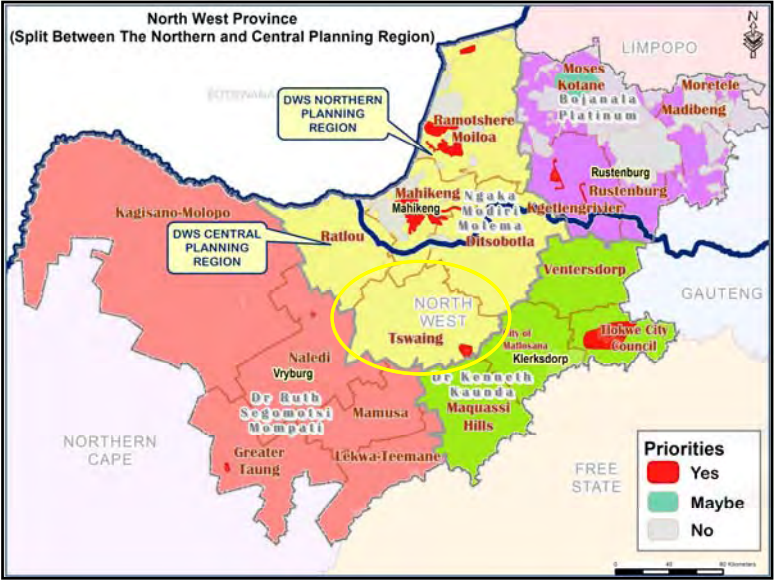
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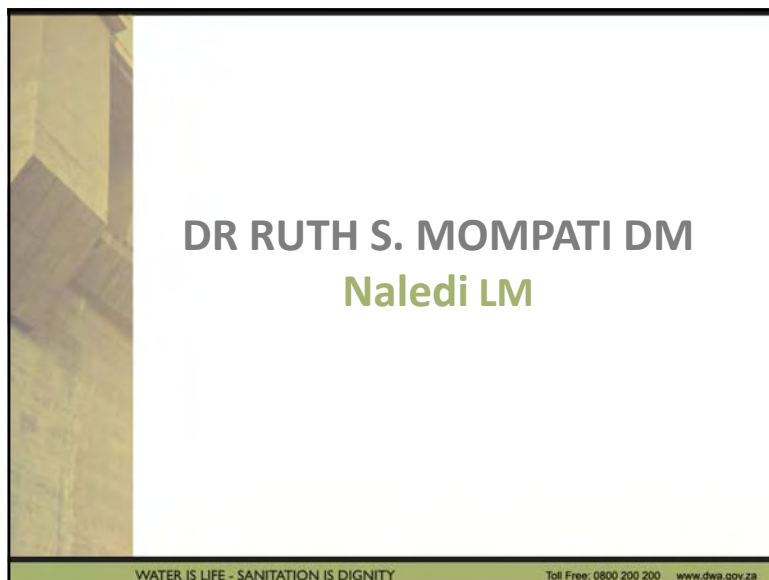
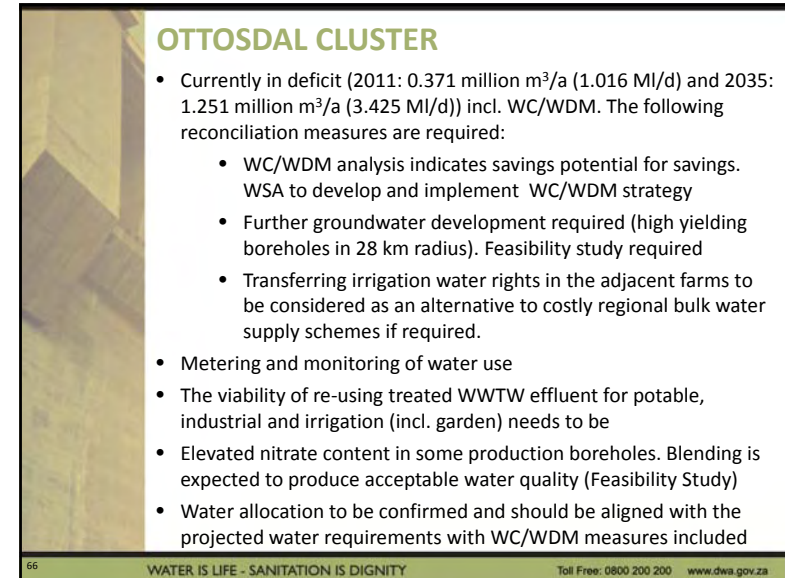
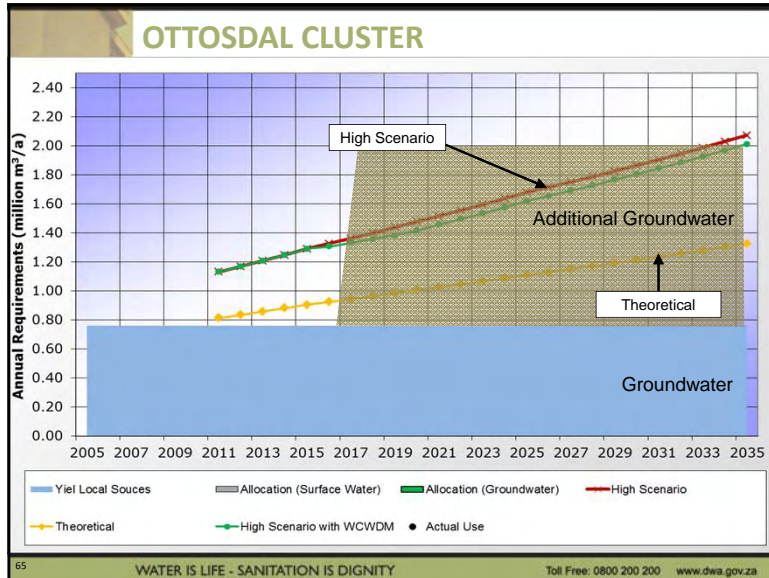


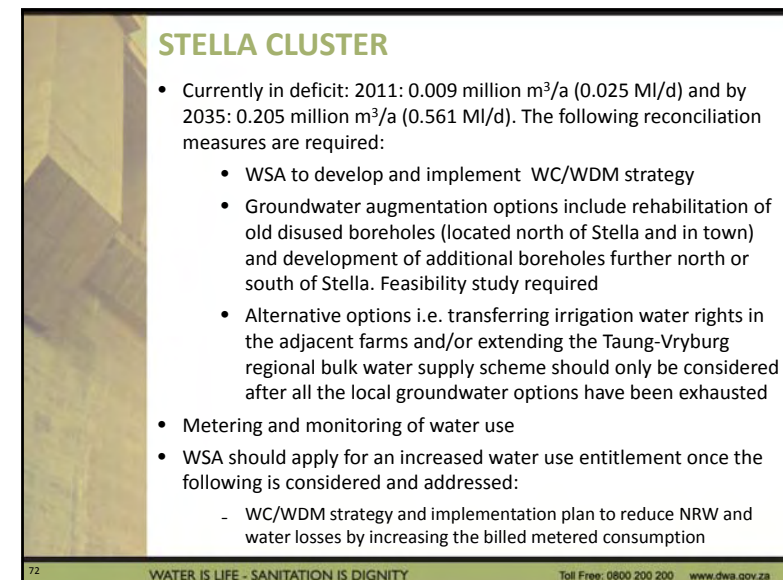
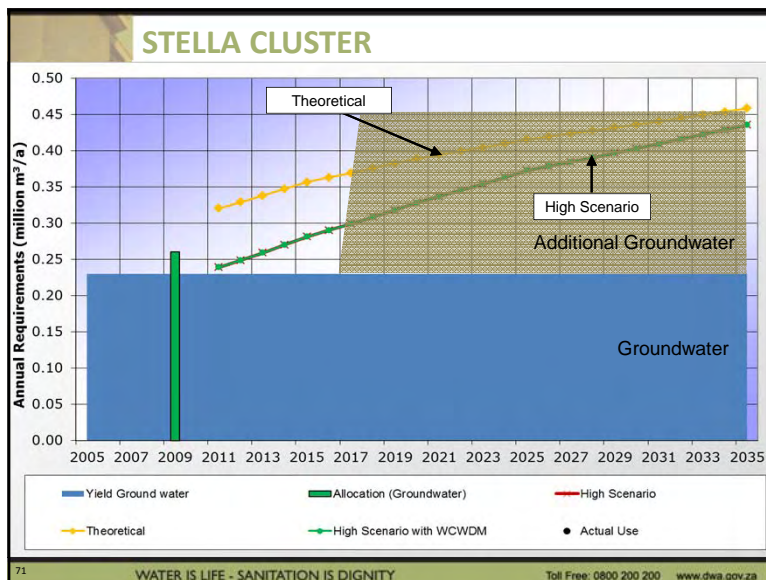
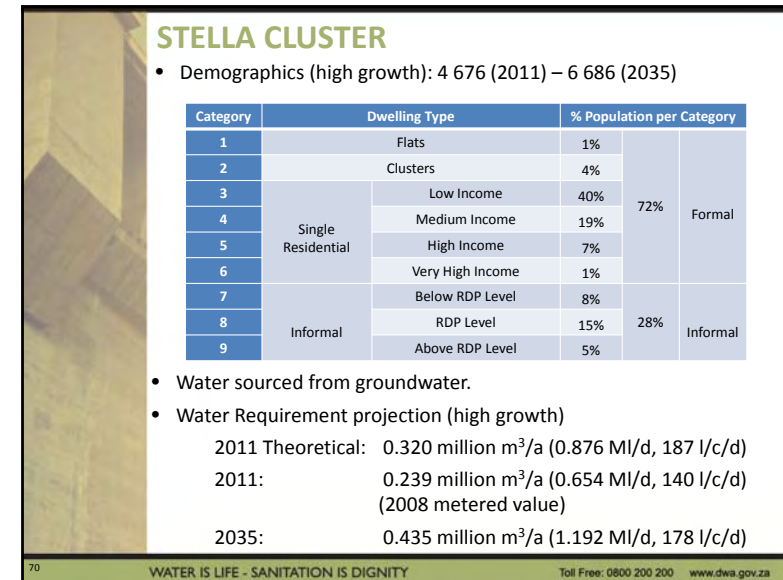
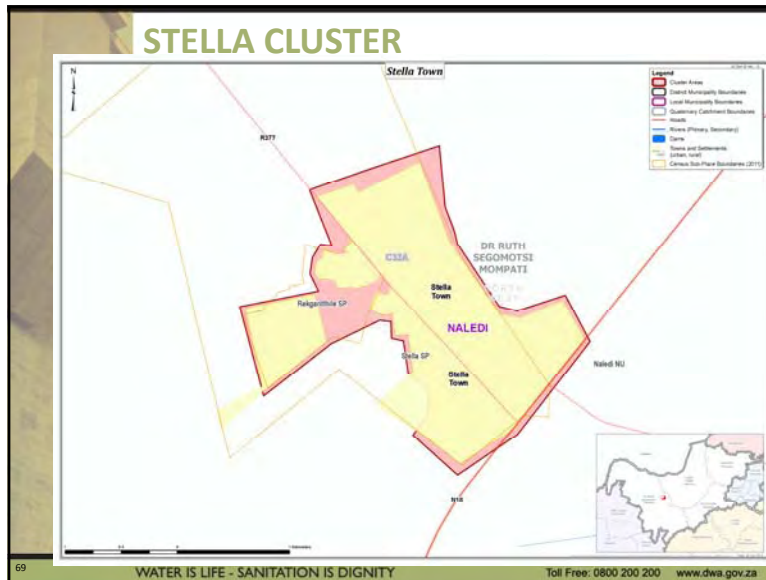
OTTOSDAL CLUSTER

- Demographics (high growth): 18 368 (2011) – 29 940 (2035)

Category	Dwelling Type	% Population per Category	
1	Flats	1%	
2	Clusters	0%	
3	Single Residential	Low Income	58%
4		Medium Income	13%
5		High Income	3%
6		Very High Income	0%
7	Informal	Below RDP Level	8%
8		RDP Level	2%
9		Above RDP Level	14%

- Water sourced from groundwater.
- Water Requirement projection (high growth)
 - 2011 Theoretical: 0.813 million m³/a (2.226 MI/d, 121 l/c/d)
 - 2011: 1.131 million m³/a (3.097 MI/d, 169 l/c/d) (2008 metered value)
 - 2035: 2.071million m³/a (5.67 MI/d, 189 l/c/d)

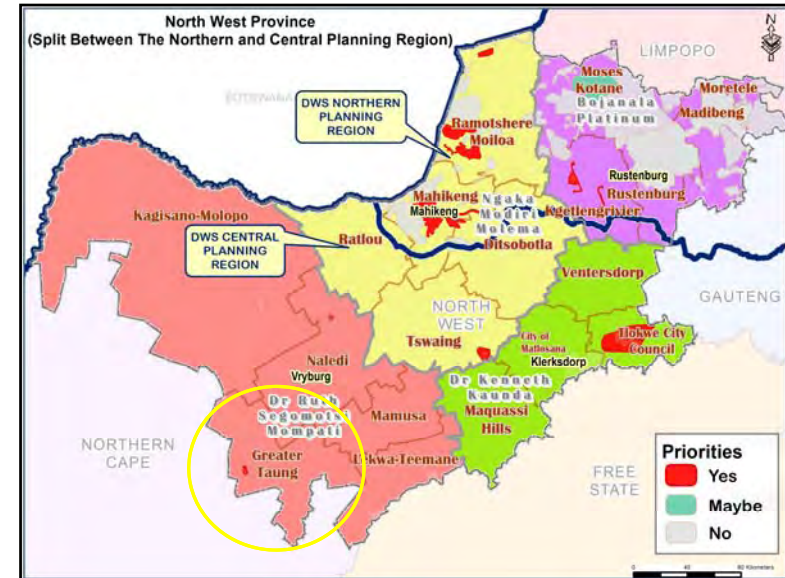




DR RUTH S. MOMPATI DM Greater Taung LM

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REIVILO CLUSTER



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REIVILO CLUSTER

- Demographics (high growth): 4 182 (2011) – 5 409 (2035)

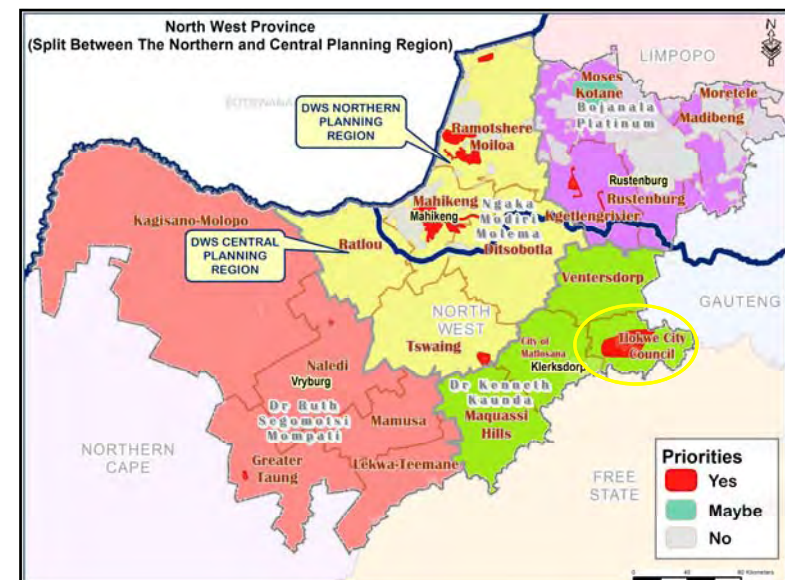
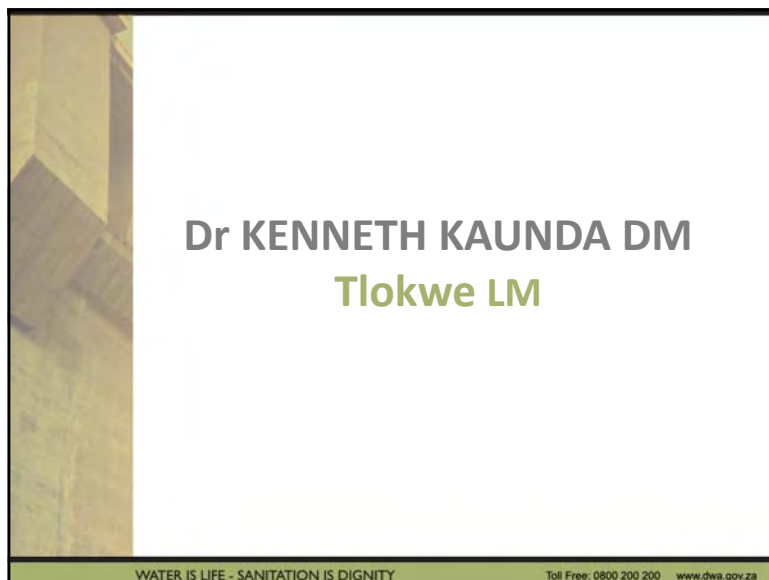
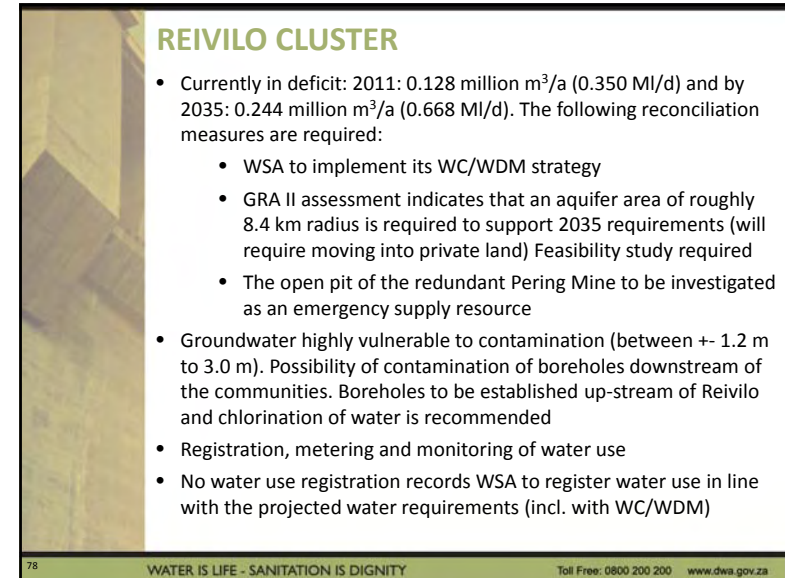
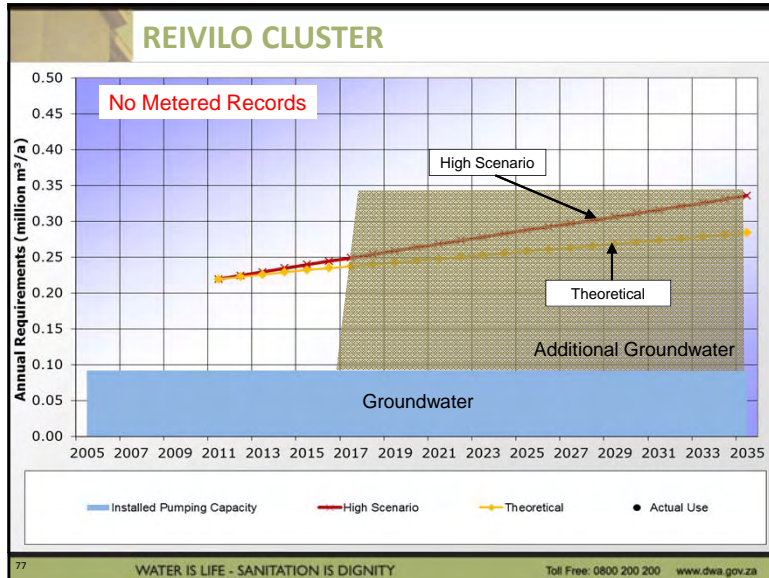
Category	Dwelling Type		% Population per Category		
1	Flats		1%	86%	Formal
2	Clusters		0%		
3	Single Residential	Low Income	55%		
4		Medium Income	23%		
5		High Income	8%		
6		Very High Income	0%		
7	Informal	Below RDP Level	2%	14%	Informal
8		RDP Level	9%		
9		Above RDP Level	3%		

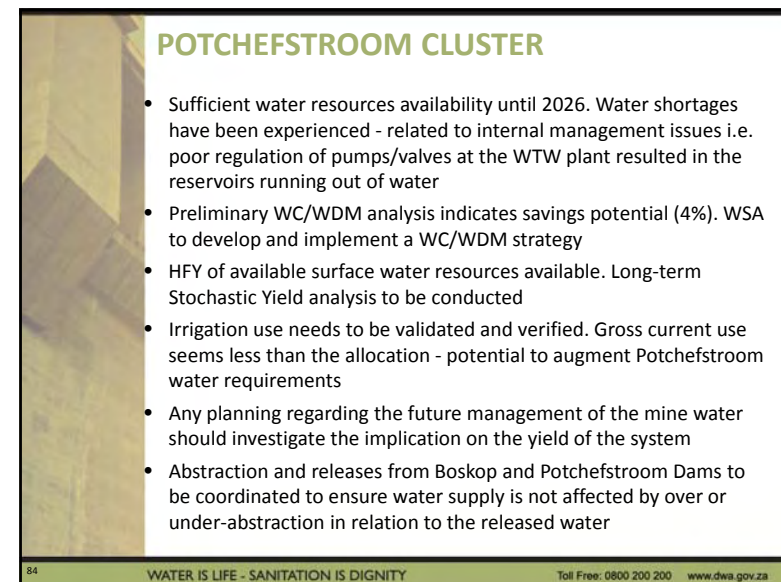
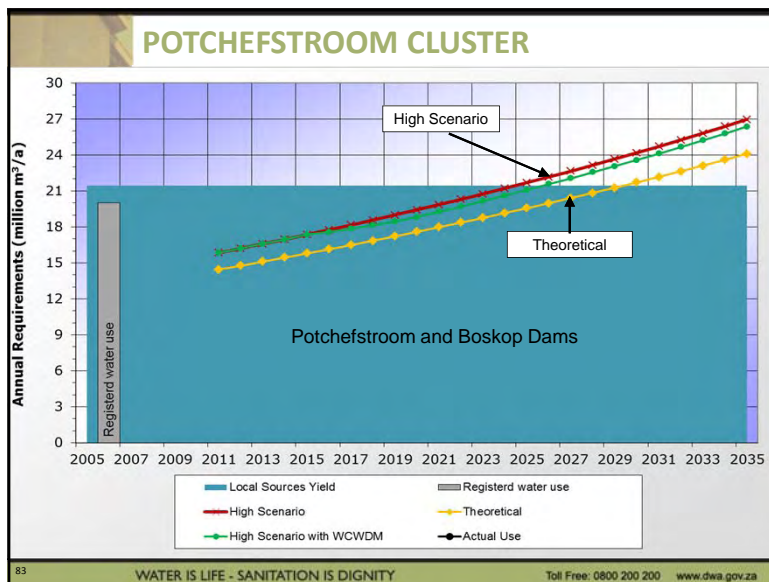
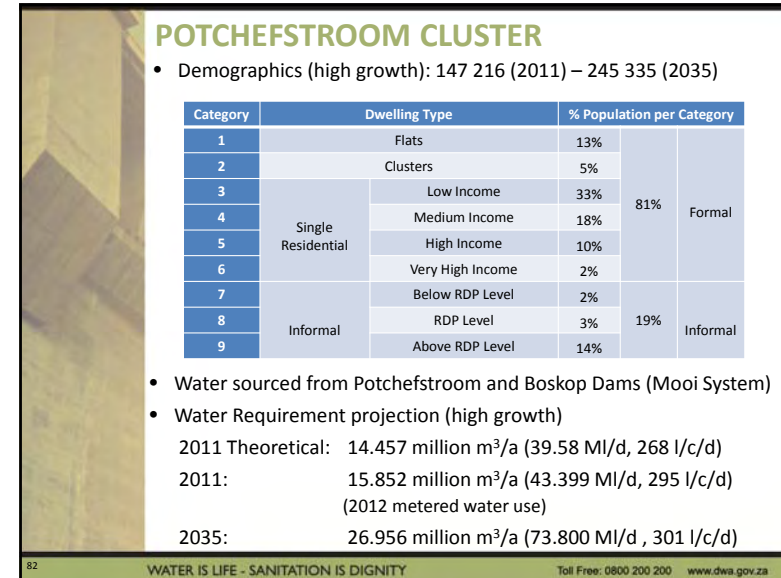
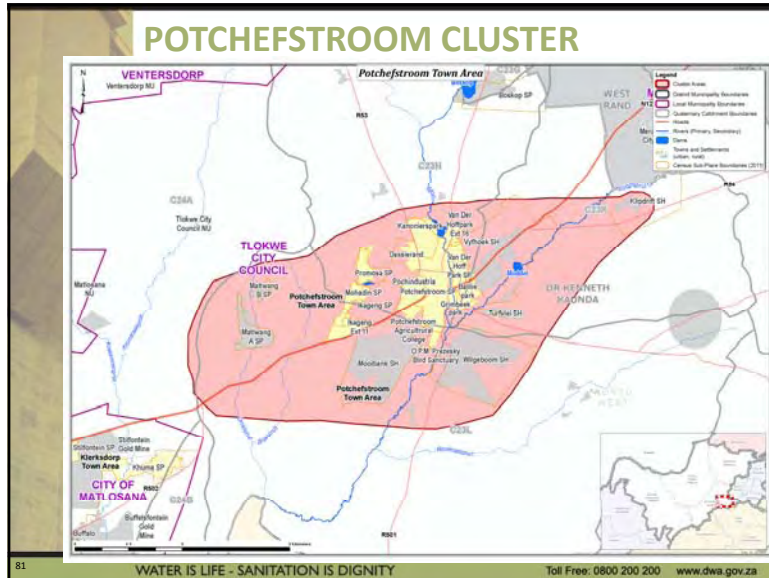
- Water sourced from groundwater
- Water Requirement projection (high growth)
 - 2011 Theoretical: 0.220 million m³/a (0.601 Ml/d, 144 l/c/d)
 - 2011: 0.220 million m³/a (0.601 Ml/d, 144 l/c/d)
 - 2035: 0.336 million m³/a (0.777 Ml/d, 170 l/c/d)

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POTCHEFSTROOM CLUSTER

- Maintain metering and monitoring of water use
- Water quality input into the Boskop Dam from the Wonderfontein Spruit system needs to be monitored – Boskop-Turffontein dolomitic compartment is the receptor of the water treated and released upstream by the mining companies
- Total registered urban water use is 20 million m³/a & meets the water requirements until 2024. WSA should apply for an increased water use entitlement once the following is considered and addressed:
 - WC/WDM strategy and implementation plan to reduce NRW and water losses by increasing the billed metered consumption

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Item 9: Remainder of the Study Programme – Phase 1

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Remainder of the Study Programme – Phase 1

- SSC to submit comments by **14 August 2015** to:
 - Northern Planning Region Deputy Study Leader: **Ms Monja Esterhuizen** (monjae@uwp.co.za)
 - Central Planning Region Deputy Study Leader: **Mr Colin Talanda** (colint@wrp.co.za)

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Remainder of the Study Programme – Phase 1

- Distribution of the updated priority strategies for comment: on CD & upon request
- Review and incorporate comments
 - Prepare final priority strategies
 - Prepare final District Municipality Summary Reports
- Distribution of the final priority strategies & DM Summary Reports to
 - The DWS Head Office
 - DWS Regional Offices
- Final SMT meeting in September 2015

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Item 10: Way Forward

Way Forward

- Incorporation of the strategies into annual planning cycle by the WSAs (WSDPs, IDPs, License Applications etc.):
 - Infrastructure planning, project development,
 - Water source planning and development
- DWS confirm and ensure planning, development and alignment with strategies (WSDPs, IDPs, License Applications etc.), monitor and enforce
- DWS identified priority areas for the development of in-depth reconciliation strategies:
 - Olifants-Sand Cluster (Limpopo province, Northern Planning Region)
 - Mahikeng Cluster (North West province, Northern Planning Region)
- Continuous engagement with DWS – prioritise areas for the continuation of the All Towns Reconciliation Strategies – Phase 2

Item 10: General

Item 11: Date of Next Meeting and Closure



APPENDIX C BACKGROUND INFORMATION DOCUMENT (BID)

Continuation and Maintenance of Reconciliation Strategies for All Towns in the Northern Planning Region

Information Document

June 2015



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

Purpose of this document

The purpose of this document is to provide an update of the study on the continuation and maintenance of water reconciliation strategies for towns in the northern region by the Department of Water and Sanitation (DWS).

The document provides background information, explains the rationale for the study and requesting participation from stakeholders to assist DWS to ensure enough water can be made available for all towns for the next thirty years.

As the Department wishes to follow a transparent process and include stakeholders as prescribed by the National Water Act of 1998, an extensive public engagement process will be followed. Part of this process involves establishing a Strategies Steering Committee (SSC) that is representative of sectors important to the study.

An SSC was established in 2013 in each of the Limpopo, Mpumalanga and North West Provinces.

The SSC is a voluntary body operating at a strategic level and ensuring that the technical aspect of the study is transparent, open and consultative and that cooperative governance is embraced.

Your organization is regarded as a key stakeholder in this process. We therefore have the pleasure to invite you to serve as a member of Northern Planning Region's All Town Reconciliation Strategies' Steering Committee and continue to participate in regional activities during the implementation of this study.

INTRODUCTION AND CONTEXT

Study Area

The Department of Water and Sanitation (DWS) commissioned four three-year studies for the continuation and maintenance of the bulk water supply reconciliation strategies for all towns in the country.

The studies cover the four Water Resource Planning Areas - North, South, East and Central and **this study covers the Northern Planning Area.**

These strategies were developed in 2011 and need to be revised to remain relevant under prevailing conditions. The study is part of an on-going process to ensure sufficient water can be made available for pertinent developmental imperatives in and around all towns.

Although each town's strategy is different, key common themes were highlighted as listed below:

- Improved management will solve a significant portion of immediate problems.
- In the Northern Planning Region, the water requirements in 2010 exceeded water resources availability in 64 towns.
- Lack of water metering impedes the confidence in planning and the strategies.
- High per capita use in many towns points to the potential of saving through Water Conservation and Water Demand Management (WC/WDM).
- Groundwater remains a viable source of water for many towns.
- Supply problems relate to infrastructure constraints rather than water resource availability limitations in many towns.

The Northern Region study area is made up of the entire Limpopo Province, the north-west part of the North West Province and the northern parts of the Gauteng and Mpumalanga Provinces respectively. Please see the map for more detailed information.

The area covers eight Districts and one Metropolitan Municipality and 229 separate town strategies were developed.

A number of towns in this region are supplied from Water Boards, which to a large extent, are already incorporated in the larger Reconciliation Strategies for the Vaal River (2009), Olifants River (2011), Crocodile (West) River (2012) and Luvuvhu and Letaba Rivers' (2014) Water Supply Systems respectively.

Documentation on these strategies is available on the DWA web page: <http://www.dwa.gov.za/projects.aspx>

In brief, this study is a further endeavour to aspire to make the slogan, "some for all", to become a reality.

The intention is to continue the maintenance, review and implementation of the reconciliation strategies even after completion of this study and phase.

OBJECTIVES OF THE STUDY

The primary objectives of the study are to review and refine all strategies, identify priority or “hot spot” towns requiring full revisions and document the progress on how the recommended interventions (strategy actions) were implemented.

This is carried out in collaboration with the respective Regional Offices (ROs) in the Northern Planning Region. The ROs serve as the conduit through which the study team engage with the designated Water Service Authorities - either Local or District Municipalities.

A further key objective is to promote the reconciliation strategies as a core planning product giving the actions needed to secure the required water resources.

The vision is for the strategies to be considered and incorporated when other plans such as the Water Services Development Plans and Integrated Development Plans are developed.

RECONCILIATION STRATEGIES: COMPONENTS

Lessons learned from strategies being reviewed and implemented in other parts of the country identified the components shown in **Figure 1**, as the main elements to consider in a reconciliation strategy. At the centre of the diagram the questions regarding how much water is **needed**, what water resources are **available** or could be made available, and which **interventions** can be considered to achieve a balance between demand and supply should be answered.

The coloured boxes indicate how each question is answered by undertaking various investigations and synthesising the results of several processes to formulate the most suitable strategy for an area and plan to reconcile the water resources with the requirements.

The particular tasks and activities relevant to the Northern Region were identified from the generic complements provided in **Figure 1** and are presented in the following section.

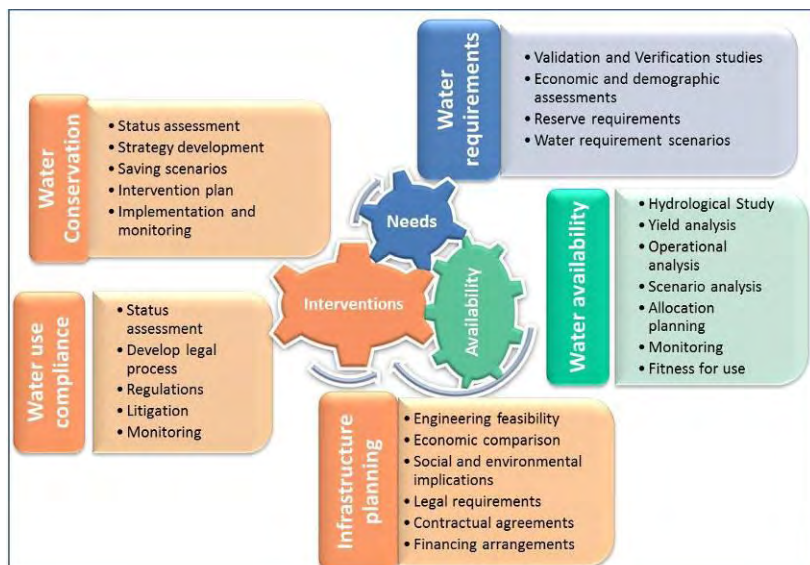


Figure 1: Reconciliation Strategies: Components

STUDY ACTIVITIES SINCE STRATEGY STEERING COMMITTEE WORKSHOP 1

Preliminary Strategies Steering Committee Workshops

The purpose of this workshop was to confirm the strategies that were identified as priority strategies as part of the Inception Phase. The strategies were reviewed and evaluated on their completeness and preliminary priority towns were identified. The priority list was presented at the workshop and the final selection was confirmed.

Updating priority reconciliation strategies

This phase of the study encompassed the bulk of work required for the execution of this study, including the engagement of stakeholders, information sourcing, verification of data, modelling, evaluation of scenarios and determining of reconciliation measures. Typical activities involved in the updating of the prioritised reconciliation strategies included:

- Detailed assessment of the water requirements, demographics, service levels to derive future water requirement projections a planning horizon of at least 25 years (up to 2035).
- The status and impact of WC/WDM interventions within the relevant WSAs were evaluated and an assessment

of potential target savings that can possibly be achieved through WC/WDM were estimated.

- Opportunities for water re-use were identified.
- New schemes such as RBIG or other grant schemes were incorporated in the intervention timeline.
- Potential gaps or inaccuracies in the surface and groundwater availability estimates will be identified and addressed.
- Water quality related planning activities that are necessary to improve and sustain the quality of the water resource in the prioritised areas where this is an issue, were identified.
- Compared water requirements with the water resources availability to confirm the water balances status over the planning period i.e. whether and when deficits/shortfalls occur.
- Identified development scenarios/options that can meet the long term water requirement projections for areas where shortfalls/deficits occur over the planning period with preference to utilising local resources first (groundwater, re-use etc.).
- The reconciliation strategies for supply areas that depend on the same water resource were combined

(where appropriate) in order to confirm the combined strategy and water balance situation.

The deliverable of this task is the updated reconciliation strategies for the prioritised towns.

Second Strategies Steering Committee Workshops

The strategies were distributed to stakeholders and the Second Strategies Steering Committee workshops have been arranged for each of the provinces with the following objectives:

- To present the updated/revised strategies, to obtain comments, further guidance and agreement on the acceptability of the results.
- Agree on the preferred development scenarios and on the way forward for the compilation of the reconciliation strategies.

Complete updating of reconciliation strategies

The reconciliation strategies will be completed and finalised through the following processes:

- Consider the comments received from the Second Strategies Steering Committee workshops and

undertake further studies where possible, that are required to finalise reconciliation strategies.

- Update prioritised strategies with any additional/revised information received.
- Add any significant developments, augmentation options, etc., to any of the strategies. This is to provide descriptive text to indicate where the strategies are superseded.

Based on the above, compile the final reconciliation strategies and submit to DWS for approval.

Study termination

Once approved by DWS, the final priority strategies will be distributed to the stakeholders for signing off by the identified stakeholders.

All study reports and study deliverables will be finalised and submitted during this phase. The final strategies will be incorporated into DWS's database which will then be uploaded onto the DWS's website.

Communication Enquiries

General: contact Ms Leoni Le Roux, Tel: +27 (0) 12 424 9722, Fax: +27 (0) 12 460 4071 or e-mail: leonilr@uwp.co.za.

Technical: contact Ms Monja Esterhuizen or Mr Leon de Jager, Tel: 27 (0) 12 424 9709, Fax: 27 (0) 12 460 4071 or e-mail: monjae@uwp.co.za, leondj@uwp.co.za.

For more information on the study, visit the Department's website at: <http://www.dwa.gov.za/projects.aspx>

STRATEGY COMMENTS

The Strategy Steering Committee to provide comments on the distributed strategies by:
14 August 2015

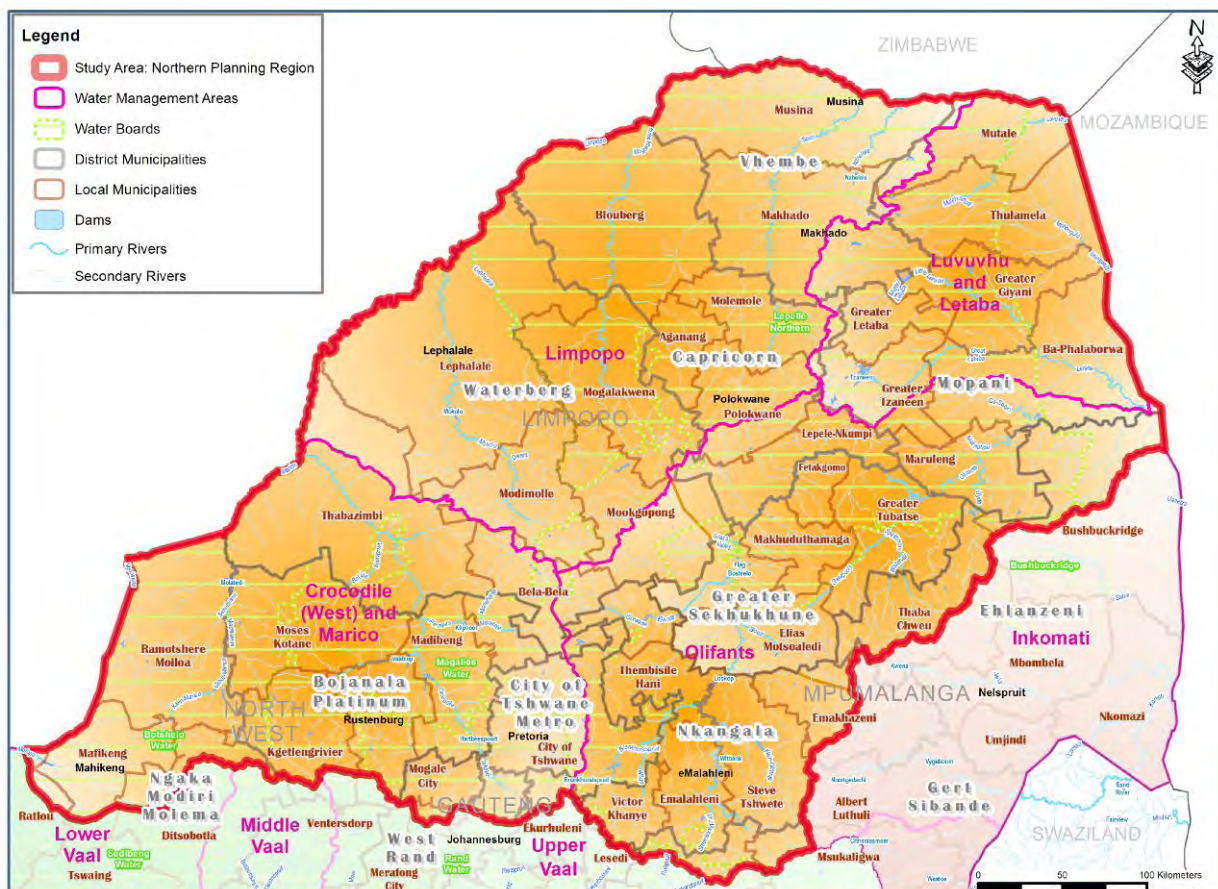
Comments to be sent to:
Ms Monja Esterhuizen (Northern Planning Region Deputy Study Leader)
E-mail: monjae@uwp.co.za

PRIORITISATION PROCESS

The steps that were followed by the study team to identify the preliminary priority towns are presented below:

- **Step 1:** Identification of Category 4 strategies (towns currently in deficit).
- **Step 2:** Eliminate towns where solutions are in an advance stage of planning or implementation (RBIG projects).
- **Step 3:** Add towns where RBIG or other processes are in an early stage of planning and can still be influenced by strategy recommendations.
- **Step 4:** Add any other hot spot areas identified on a national, provincial or local strategic level.
- **Step 5:** Final selection was confirmed at Strategy Steering Committee Workshop 1.

Province	Number of Priority Strategies
Gauteng	0 (part of the Larger Vaal Reconciliation Strategy Study Area)
Limpopo	38
Mpumalanga	6
North West	6
Total	50



Continuation of the Northern Planning Region's All Town Reconciliation Strategies: Phase 1

UPDATED PRIORITISED STRATEGIES

Whole of the Limpopo Province included in the DWS Northern Planning Region

LIMPOPO PROVINCE			
Province	District Municipality	Local Municipality	Strategy
Limpopo	Mopani	Greater Giyani	Giyani System A and B WSS
			Giyani System C WSS
			Giyani System D WSS
			Giyani System F1 WSS
			Giyani System F2 WSS
		Greater Letaba	Sekgosese GWS
		Greater Tzaneen	Modjadjiskloof Scheme
			Thapane RWS
			Tours RWS Scheme
		Ba-Phalaborwa	Namakgale - Lulekani RWS Cluster
		Greater Giyani	Mapuve System N WSS
	Vhembe	Thulamela	Malamulele West WSS
			Malamulele West WSS
			Makhado Mapuve System RWS
		Thulamela	Lambani Thulamela
			Tshifudi RWS
			Nzhelele Thulamela RWS
		Makhado	Nzhelele Makhado RWS
			Makhado
			Middle Letaba RWS
		Musina	Musina
	Capricorn	Blouberg	Senwabarwana GWS
		Molemole	Molemole West
		Polokwane	Hout River RWS
			Moletje East RWS
			Moletje North GWS
			Moletje South GWS
			Olifants-Sand RWS
			Badimong RWS
			Laaste Hoop RWS
			Mankweng RWS
			Mothapo RWS
			Segwasi RWS
			Sebayeng-Dikgale RWS
			Boyne RWS
			Chuene Maja RWS
			Molepo RWS
	Waterberg	Lephalale	Lephalale Urban

North West Province included in the Central and Northern DWS Planning Regions

NORTH WEST PROVINCE			
Province	District Municipality	Local Municipality	Strategy
North West	Bojanala Platinum	Kgetlengrivier	Borolelo/Swartruggens
			Koster & Reagile
	Ngaka Modiri Molema	Mahikeng	Mahikeng
		Ramotshere Moiloa	Dinokana
			Motswedi Gopane
			Supingstadt
		Tswaing	Ottosdal
	Dr. Ruth S. Mompoti	Naledi	Stella
		Greater Taung	Reivilo
	Dr. Kenneth Kaunda	Tlokwe	Potchefstroom Urban

Mpumalanga Province included in the Central, Eastern and Northern DWS Planning Regions – the list below reflects the priorities as identified by the Central and Northern Planning Regions

MPUMALANGA PROVINCE			
Province	District Municipality	Local Municipality	Strategy
Mpumalanga	Nkangala	Emalahleni	Emalahleni and Springvalley
		Steve Tshwete	Middelburg
		Dr JS Moroka	Ga-Ramantshane
	Ehlanzeni	Thaba Chweu	Mashishing
			Moremela

APPENDIX D SSC TERMS OF REFERENCE



CONTINUATION AND MAINTENANCE OF RECONCILIATION STRATEGIES FOR ALL TOWNS IN THE NORTHERN PLANNING REGION

Terms of Reference for members of the Study Steering Committee

1. INTRODUCTION

The National Water Act (Act No 36 of 1998) requires consultation with “society at large” in the progressive development of water resource strategies such as the development of Reconciliation Strategies for All Towns in the four Water Resource Planning Regions (North, South, East and Central).

The institutional framework is one of the most important aspects of Integrated Water Resource Management (IWRM), because it determines the effectiveness of policy implementation. Institutions (statutory and non-statutory) are also important in that they are the focus for the Act's requirements to consult widely with water users and other interested persons before policies and strategies relating to the management and use of water resources are implemented.

Although there is no specific provision in the National Water Act for creating non-statutory forums, the experience of the Department of Water and Sanitation (DWS) is that these voluntary bodies have proved to be of great value in IWRM. Stakeholder groups have made significant contributions to water resources management at a local level, by providing essential local knowledge, expertise and information. In this respect the DWS expect Stakeholders to play an important role in the implementation of water resource management strategies.

In 2012 the DWS commissioned four three-year studies by appointing Professional Service Providers for the continuation and maintenance of the bulk water supply reconciliation strategies for all towns in the country. The studies cover the four Water Resource Planning Regions and this study covers the Northern Planning Region. The strategies were developed in 2011 and need to be revised to remain relevant under prevailing conditions. The study is part of an on-going process to ensure sufficient water can be made available for development initiatives in and around all towns.

The primary function of the Study Steering Committee (SSC) will be to provide guidance to the direction of the outcomes of the Strategies and ensuring that the technical aspect of the study is transparent, open and consultative and that cooperative governance is embraced.

2. OBJECTIVES

The objectives of the SSC are to:

- Provide executive guidance to the direction and outcomes of the study;
- Ensure that the various Strategies and their associated recommendations are appropriately communicated; and
- Ensure that the Reconciliation Strategies, after their development, are implemented.

3. ROLES AND RESPONSIBILITIES OF THE STUDY STEERING COMMITTEE MEMBERS

The roles and responsibilities of the SSC could include the following:

- Members have to attend meetings of the SSC and make certain that they are well prepared for meetings. In the event that they cannot attend, a mandated representative may attend on their behalf;
- Provide executive guidance to the direction and outcomes of the study;
- Provide supplementary information and input from a local and regional perspective;
- Facilitate strategic linkages with other initiatives;
- Disseminate information from the study to their and other relevant organizations;
- Incorporate the strategies' recommendations into development plans such as WSDP's, IDP's, Implementation Readiness Studies (RBIG), License Applications etc.; and
- Facilitate the acceptance and sign-off of the updated Reconciliation Strategies.

3.1 Scope of work in updating the Reconciliation Strategies

The primary objectives of the study are to review and refine the existing strategies, identify priority or “hot spot” towns requiring full revisions and document the process on how the recommended interventions (strategy actions) are to be implemented.

This is carried out in collaboration with the respective Regional Offices (ROs) in the Northern Planning Region. The ROs serve as the conduit through which the study team engage with the designated Water Service Authorities - either Local or District Municipalities.

A further key objective is to promote the reconciliation strategies as a core planning product giving the actions needed to secure the required water resources.

Appropriate integration with other planning and management processes, such as the Water Services Development Plans and Integrated Development Plans, as well as cooperation among stakeholder will be key success factors in formulating coherent recommendations and action plans.

The outcomes of the Reconciliation Strategies are specific interventions with particular actions needed to balance the water requirements with water availability through the implementation of regulations, demand management measures and infrastructure development options. Members of the SSC will actively participate in assisting to fulfill the scope of work in order to take ownership of the strategies and take up respective responsibilities for the implementation of interventions that will be identified.

4. ARRANGEMENTS

The SSC of the Continuation and Maintenance of Reconciliation Strategies for All Towns in the Northern Planning Region is a study committee formed to ensure the development and implementation of the various town Strategies. Whilst the committee comprises representatives from national government, provincial government, local government and civil society the meetings will be facilitated and chaired by the DWS: National Water Resource Planning.

Two SSC workshops were planned with the purpose of each workshop summarized below:

- SSC Workshop 1 (held in April 2013):
 - Introduce the study;
 - Establish and define the role of the SSC;
 - Outline findings during the Inception Phase;
 - Outline the scope of work, methodology, way forward and preliminary study programme; and
 - Prioritise the strategies to be updated.
- SSC Workshop 2 (this workshop):
 - Present methodology for updating strategies;
 - Present the updated reconciliation strategies prioritised at the SSC Workshop 1;
 - Agree on the preferred development scenarios; and
 - Obtain comments and inputs from the SSC.

The appointed Professional Service Provider to perform the following functions for the SSC:

- Send out invitations to the meetings;
- Organise the venue and catering;
- Assist with drawing up the agenda;
- Maintain a contact details database of all members; and
- Compile and timeously distribute the minutes of every meeting.