

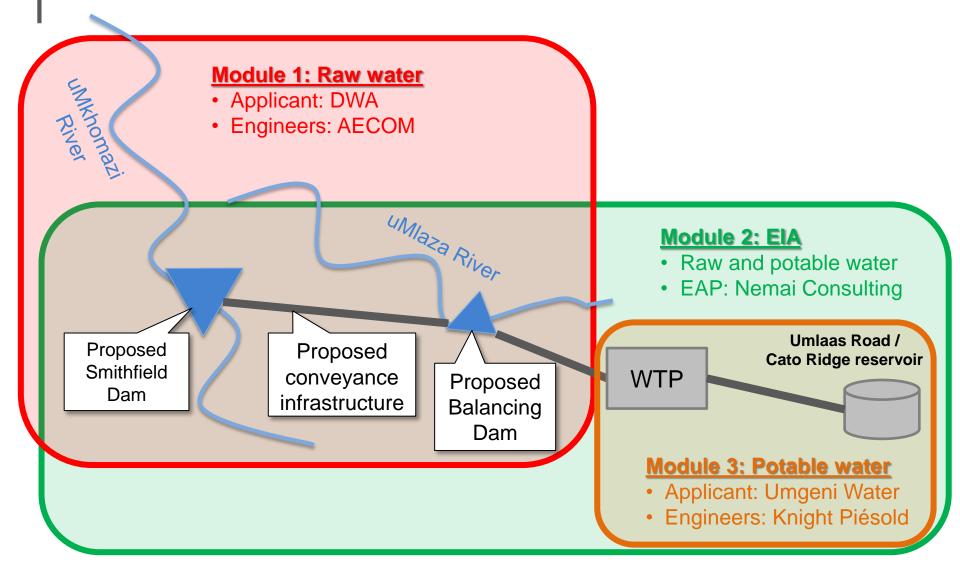


UMKHOMAZI WATER PROJECT PHASE 1

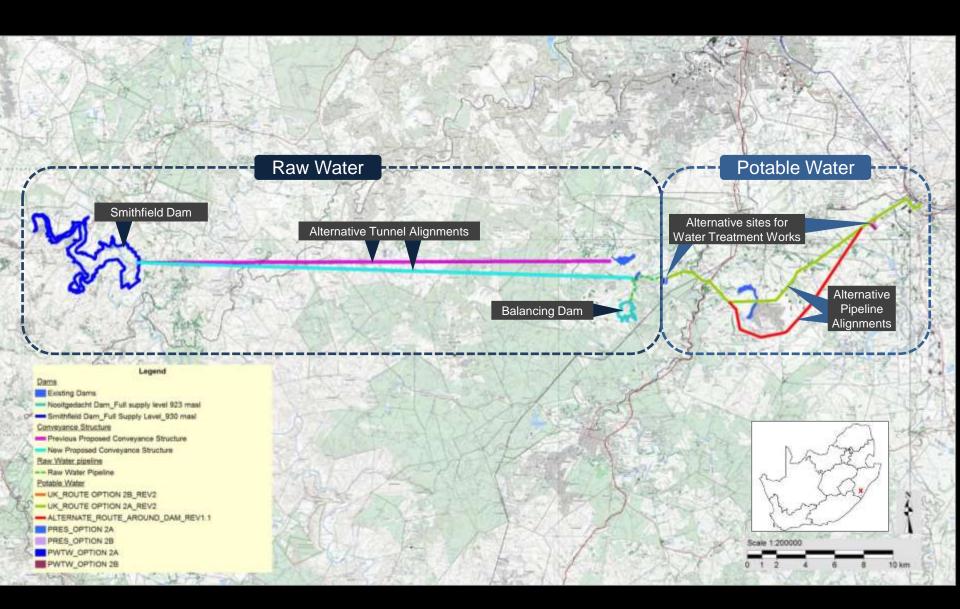
MODULE 2: ENVIRONMENTAL IMPACT ASSESSMENT

PSC MEETING No. 4 – 03 September 2013

OVERVIEW - MODULE 2



uMkhomazi Water Project Phase 1 (uMWP-1)



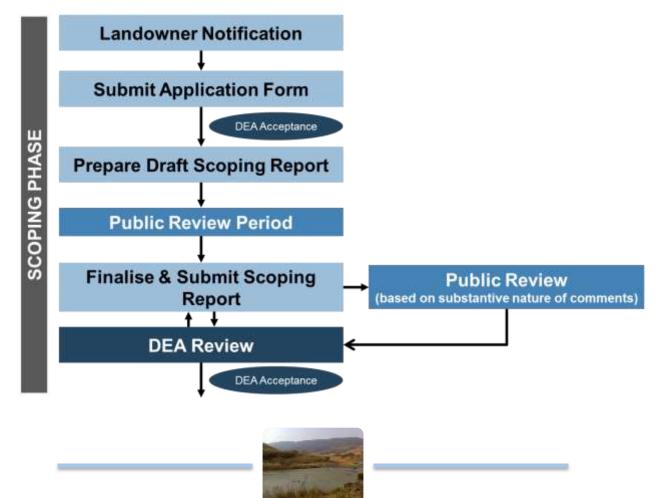
OVERVIEW - MODULE 2

Project Components -

uMWP-1 Component	Infrastructure	Proponent		
Raw Water (Module 1)	 A new dam at Smithfield on the uMkhomazi River near Richmond. Water conveyance infrastructure (including a 32 km long tunnel and a pipeline) to a balancing dam in the Baynesfield area. Alternatives under consideration for the tunnel alignment and location of the balancing dam. 	Department of Water Affair		
Potable Water (Module 3)	 A water treatment works in the uMlaza River valley. A gravity pipeline to the Umgeni Water bulk distribution reservoir system, below the reservoir at Umlaas Road. 	Umgeni Water		

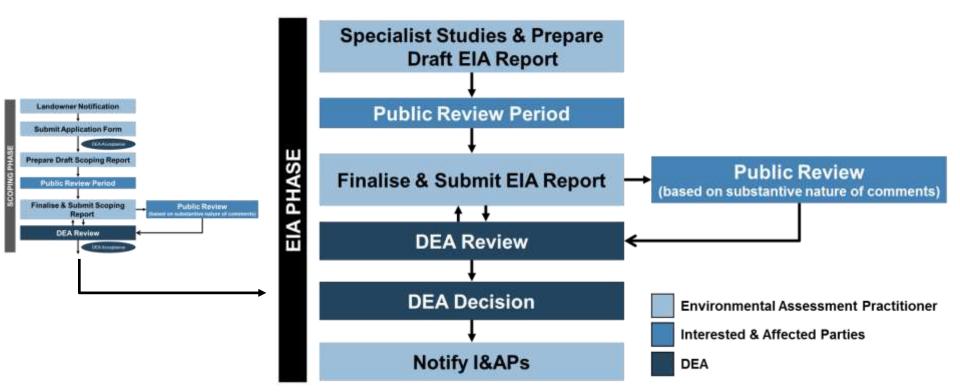


Process -



0 90

Process -





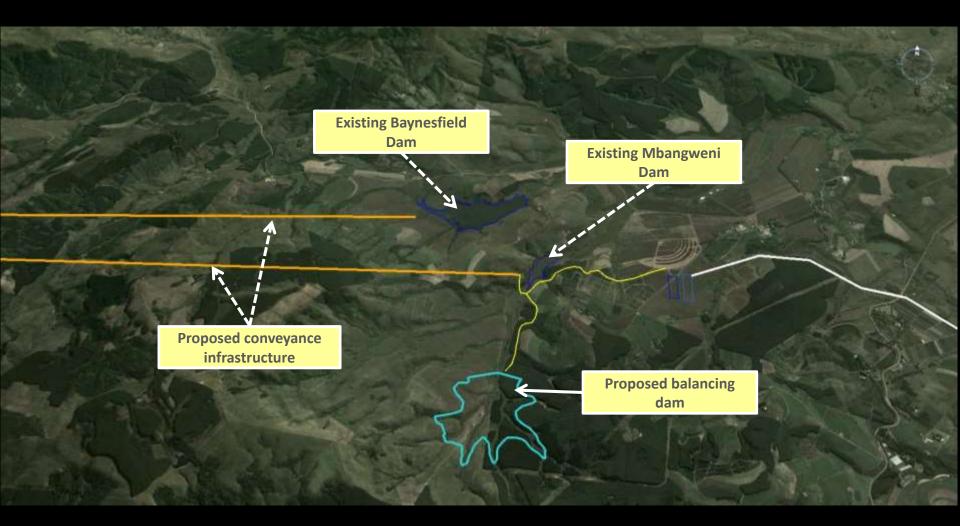
Process



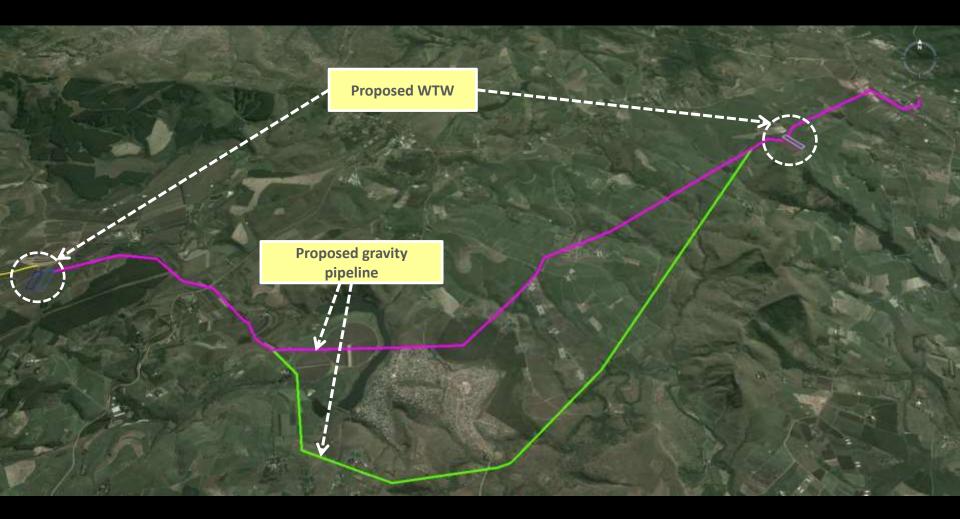




uMWP-1 Raw Water



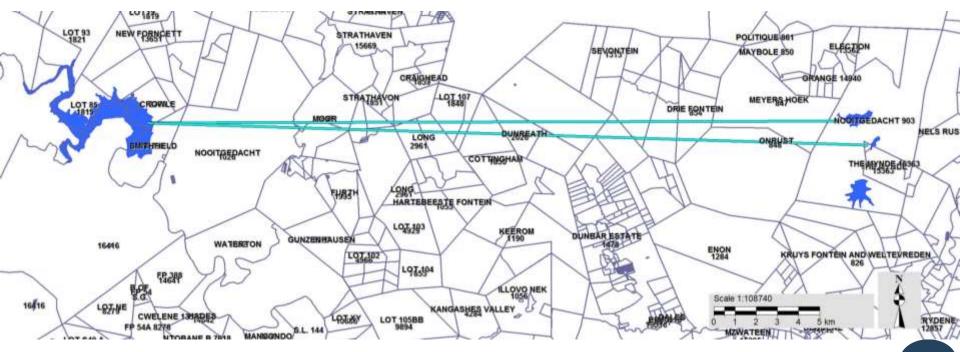
uMWP-1 Potable Water



- Process
- Feasible Alternatives

Public Participation –

Landowner notification



0 90

- Process
- Feasible Alternatives

Public Participation –

Landowner notification

Targeted meetings

- o Authorities
- Strategically located landowners
- o Issue-specific
- Etc.



- Process
- Feasible Alternatives

Public Participation –

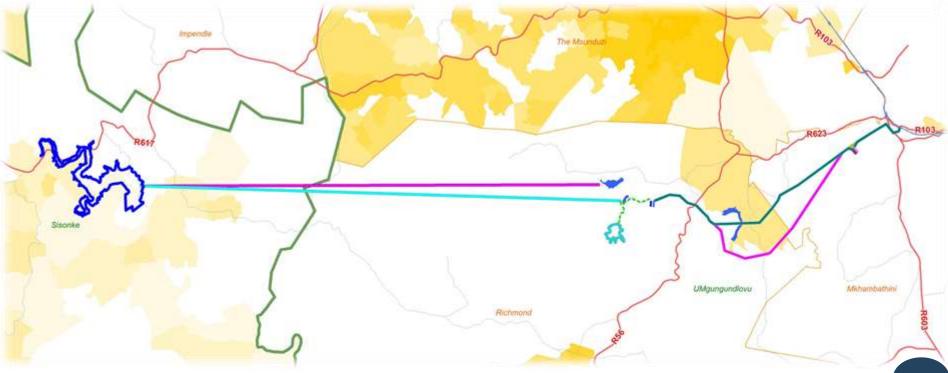
- Landowner notification
- Targeted meetings
- Formal process



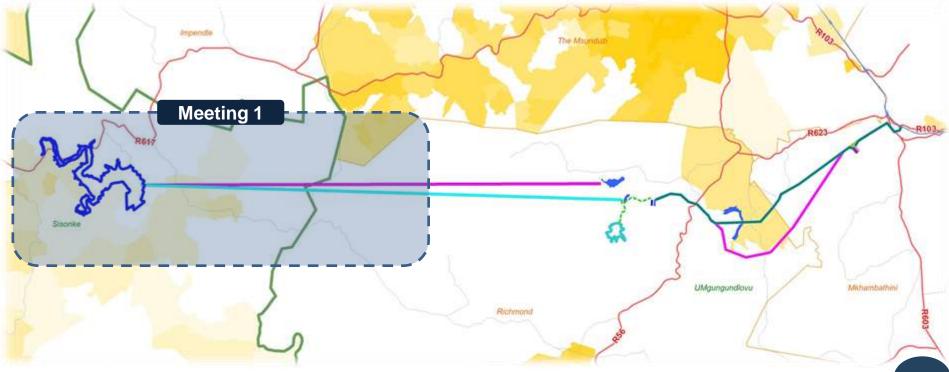


0 00

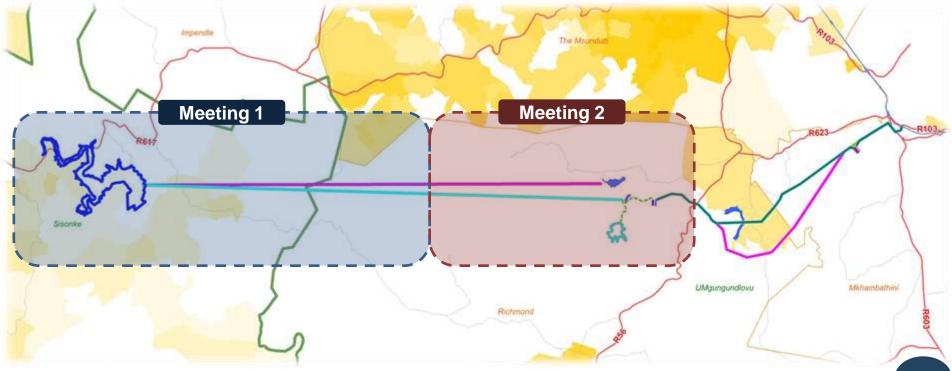
NO.	TASKS	DATES
1.	Project Announcement (BID & Reply Form, Newspapers, Onsite Notices)	17 Sept – 28 Oct 2013
2.	Individual Landowner Meetings	09 – 10 Oct
3.	Public Meetings	16 – 17 Oct
4.	I&APs review of draft Scoping Report	08 Jan – 18 Feb 2014



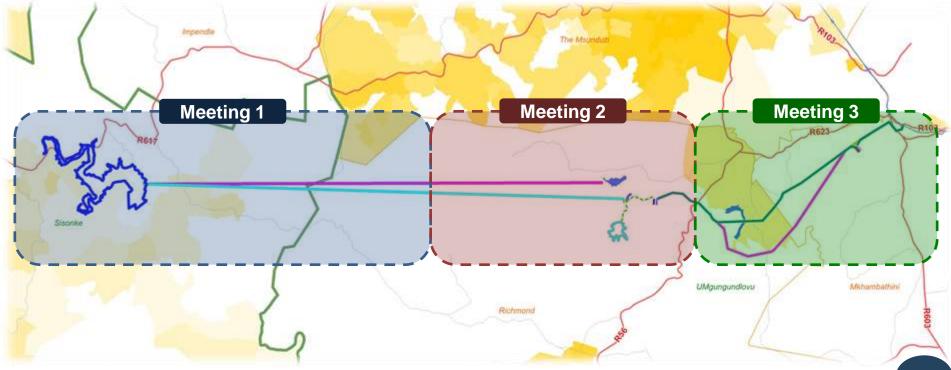
NO.	TASKS	DATES
1.	Project Announcement (BID & Reply Form, Newspapers, Onsite Notices)	17 Sept – 28 Oct 2013
2.	Individual Landowner Meetings	02 – 03 Oct
3.	Public Meetings	16 – 17 Oct
4.	I&APs review of draft Scoping Report	08 Jan – 18 Feb 2014



NO.	TASKS	DATES
1.	Project Announcement (BID & Reply Form, Newspapers, Onsite Notices)	17 Sept – 28 Oct 2013
2.	Individual Landowner Meetings	02 – 03 Oct
3.	Public Meetings	16 – 17 Oct
4.	I&APs review of draft Scoping Report	08 Jan – 18 Feb 2014



NO.	TASKS	DATES
1.	Project Announcement (BID & Reply Form, Newspapers, Onsite Notices)	17 Sept – 28 Oct 2013
2.	Individual Landowner Meetings	02 – 03 Oct
3.	Public Meetings	16 – 17 Oct
4.	I&APs review of draft Scoping Report	08 Jan – 18 Feb 2014



PROGRESS TO DATE

- Draft Inception Report submitted to Umgeni Water on 08 Jul 2013
- Meeting with Joseph Baynes Estate 05 Aug 2013
- Draft Integrated Application Forms submitted 30 Aug 2013
- ToR for Avifauna Study



PRESSING MATTERS

- Obtain DEA reference number
- Finalise BID and circulate for review
- Commence with public participation
- Critical environmental considerations:
 - Screening Crane and Blue Swallow habitat
 - Location refinement WTW, spoil disposal site









	Excavated material (LCM)
Inlet Portal	600 000 m ³
Outlet Portal	920 000 m ³
Central Portal	550 000 m ³

- Process
- Feasible Alternatives
- Public Participation

Draft Scoping Report – 20 Nov 2013



SPECIALIST STUDIES

Original list:

- Fauna and Flora Study
- Heritage Impact Assessment
- Aquatic and Riverine Assessment
- Agricultural Impact Assessment
- Visual Impact Assessment
- Wetland Assessment and Delineation Study
- Social Impact Assessment



SPECIALIST STUDIES

Original list

Additional possible studies:

- Health Impact Assessment
- Biodiversity offsets
- Traffic Impact Assessment
- Geohydrological study
- Relocation Plan
- Estuarine Study
- Avifauna Study
- □ Archaeological Study & 2nd phase Heritage Impact Assessment



OVERVIEW - MODULE 2: PROGRAMME

		Test Have:	Carallan	Elast	Fisiki	91 2	Dir 1.2	19	Dir 2, 201 3	k	ot 9, 2019	k	itr 4, 2013	Dir 1,	7814	Dir 2, 2014	Oir 3, 2014	Dr 4, 2014	Oir 1, 2015	D 2, 2
	0															Apr Har Jan				
1		inception Plans a	Pidags	Kee 167162	il es 250510			_	<u>,</u>			1 1		:			<u> </u>	;	;	1
E		BA	SE dags	Rri Manazina	T an 200416		1					÷		÷		1	1			÷
9		Londonner tiesilfication	43 days	Fil IL/IS/13	The 304413	ī	:					: :		1		1	1	:	:	:
1		Hellicite of Lucienness	23 days	Wed BUBS/13	Fr191/05/19	Ĩ	:		;	<u>م</u>		: :		1		1	1	:	:	:
11		Application Form	45 days	Max 13/06/13	Frisher19	i	1		1			6		1				1	1	1
12		DEA Requine	ti daga	Man 82/82/13	Max 199713	1			1	1		<u>م</u>		1				1		1
13		Resping Report	100 dags	Tee 170002	The DESCRIPTION	i			i i	i						<u> </u>				1
14		Pable Perinipation	20 d ago	Tes transit	ii ee Zirning				i i	i		i 🖷		i .						1
15		Raject Associates	30 days	The 1242/13	Max 26/1913	Ĩ			i	i		i 🎰		÷ .						i .
16		Peppe Coft Reput ILPoB for BA.	47 days	The 1002/13	Web1 2071 1/13	i							•	1						
17		CRA. IL UN Review	ti daga	16 21/11/13	Ten 85/12/13	Ĩ			1			1 1						1		1
18		Amend Report	5 days	Fil 19/12/13	The 12/12/13	i	1		:			1 1	ă	1		:	1	:	:	:
19	111	Holbing particul – a se Painlin Paridolpaidou	24 days	Man 82/12/1 3	In 1241914	ſ						1		۹,		-	-			1
2		Half Icalian of Review	3 days	Fil IBAH/14	The \$200114	r i	1		1			1 1		<u>.</u>		1	1	:	:	1
21		NAPs Reder of Codt Report	36 days	Wed BARL/14	The 1040714	i	1		:			1 1		1	<u> </u>	1	1	:	:	:
22	111	Public Meeting	2 days	The 2981/14	Fr12401/14	i	1		1	Ì		1						1		1
Z 3		Pepue Rud Report	5 days	Wed 1982/14	Man 23/23714	l			1	i		11		1.7	<u>k</u>			1		1
24		BAPs Review of Final Report	ti daga	Te: 1983/14	The 1043914	Ĩ			1	i		1		1		1	1	1	1	i i
z		Balanti Pinal Report to DEA.	3 days	The 1963/14	Fr121/13/14	r			1			1		i i			1			i
26		CEA Review	26d ags	2 au 2002714	The SECOND	i			i i	i		11		÷ .	- *					÷ .
27		DEA. Actavarticiganat	ti daga	Max 2003/14	Man 82/84714	ſ			i i	i		11		÷ .		Т				÷ .
Z		CEA Reder & Cashim	Z3 days	The 1644/14	Tes 05/05/14	i			1			11		÷ .		1				1
23	111	Hypercelettest tille aller s	- Sil days	Fil 1945/14	Ten 31/62/14	ī			1			1		÷ .			The second se			1
38		Hyperadults & Wiley's science	1 day	Fil BLARMIA	Friet/19714	i						1 1		1				1		
31		Bestroe as actual to parat Report	252 dags	R-1 DECEMBER 14	T an 200416				1					1		. 		i		÷
32		Reporting	i i i age	R-1 INCOMPA	Fri 1866714	ſ	1		:			: :		:		: .	<u> </u>	:	:	:
33		Report Crait Bit. Report	El deps	Fil 1945/14	Tes 2040714	Ĩ						1 1		1			<u> </u>			1
34		CRN. B.LOV Review	ti dags	Fil 2000/14	Fr11245714	1	1		1			1 1		1			: 👗	1	1	1
35		Anend Report	5 days	No. 15/15/14	Fr11545714	Ĩ	1		1			1 1		1		1	1 💦	1	1	1
38		Halffeeline of Review	5 days	Max 22/03/14	Fri 2045714	1	1		1			1 1		1		1		<u>.</u>	1	1
317		BAPs Reder of Colt Reput	30 days	Non 2545714	FriiD711/14	Ĩ	1		1			1 1		1		1		ten se	1	1
38		Public Meeting	2 days	Tec 1918/14	Web 15/1014	Ĩ	1		1			1 1		1		1	1 I	+₩	1	1
38		Pepare Fini Bit. Reput	5 days	Nov 1971/14	The 2011/14	Ĩ	1		:			1 1		1		1	1	: 🔈	1	1
-		BAPs Review of Fluid Report	ti daga	R121/11/4	FriE/1714	i	1		:	i		1		1		:	:	: 💿	:	:
म		Babait: Final Report to CEA.	1 day	Max 82/12/14	iim 22/12/14	1	1		1	i		1		1						1
42		DEA Review	and ages	Ten BITERI	Not 120416				1			1		1				i 🛑		<u> </u>
43		DSA. Actavarticiganesi:	ti dags	Tec 19/12/14	The 23/1214	1			1			1		1				i 🎽	i.	1
44		USA. Accept Report	44 days	Wed 2012/14	No. 2342715									i .				1		i .
-6		OSA. Ciscidia	35 days	The 2012/15	Non 136415	í								i .						شک
-		EAP Halfication Period	ti daga	Te: 1004/15	The 200415		1		1			: :		1				:		

Thank you