

APPENDIX C

APPLICATION FORM

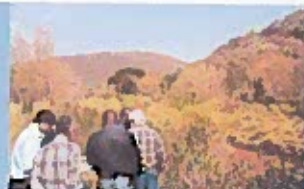
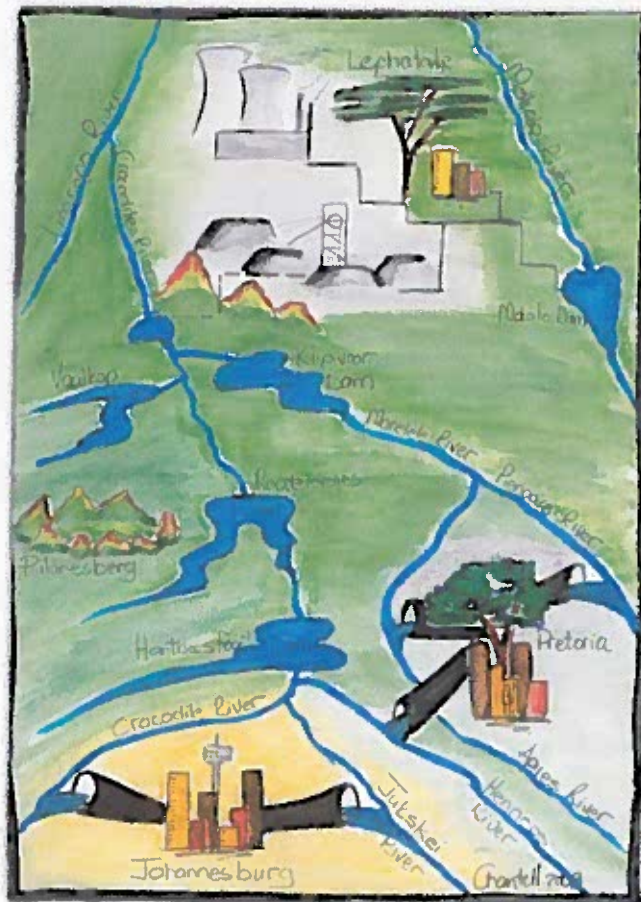


water & sanitation

Department
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

PROPOSED MOKOLO AND CROCODILE RIVER (WEST) WATER AUGMENTATION PROJECT (PHASE 2A) (MCWAP- 2A): WATER TRANSFER INFRASTRUCTURE

APPLICATION FOR AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL
MANAGEMENT ACT, 1998 (ACT NO. 107 OF 1998), AND THE ENVIRONMENTAL IMPACT
ASSESSMENT REGULATIONS, 2014 (AS AMENDED)





environmental affairs

Department
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

APPLICATION FORM FOR ENVIRONMENTAL AUTHORISATION

File Reference Number:	(For official use only)
NEAS Reference Number:	DEA/EIA/
Date Received:	

Application for authorisation in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), (the Act) and the Environmental Impact Assessment Regulations, 2014 (the Regulations)

PROJECT TITLE

Proposed Mokolo and Crocodile River (West) Water Augmentation Project (Phase 2A) (MCWAP-2A):
Water Transfer Infrastructure

Indicate if the **DRAFT** report accompanies the application

Yes ☒
No ☐

Kindly note that:

1. This application form is current as of 1 April 2016. It is the responsibility of the applicant to ascertain whether subsequent versions of the form have been published or produced by the competent authority.
2. The application must be typed within the spaces provided in the form. The sizes of the spaces provided are not necessarily indicative of the amount of information to be provided. Spaces are provided in tabular format and will extend automatically when each space is filled with typing.
3. Where applicable **black out** the boxes that are not applicable in the form.
4. The use of the phrase "not applicable" in the form must be done with circumspection.
5. This application must be handed in at the offices of the National Department of Environmental Affairs where the Minister is the competent authority in respect of the application.
6. No faxed or e-mailed applications will be accepted. An electronic copy (in the form of a CD) of the signed application form must be submitted together with two hardcopies (one of which must contain the original signatures).
7. Unless protected by law, all information filled in on this application form may become public information on receipt by the competent authority.
8. Should a specialist report or report on a specialised process be submitted at any stage for any part of this application, the terms of reference for such report and declaration of interest of the specialist must also be submitted.
9. Proof of payment must accompany this application. The application will not be processed without proof of payment unless one of the exclusions provided for the Fee Regulations (Fees for consideration and processing of applications for environmental authorisations and amendments thereto Government Notice No.141, published on 28 February 2014) is applicable AND such information in section 1 of this application form has been confirmed by this Department.

Departmental Details

The application must be addressed to the Chief Directorate: Integrated Environmental Authorisations at:

Postal address:

Department of Environmental Affairs
Attention: Director: Integrated Environmental Authorisations
Private Bag X447
Pretoria
0001

Physical address:

Department of Environmental Affairs
Attention: Director: Integrated Environmental Authorisations
Environment House
473 Steve Biko Road
Arcadia
Pretoria

Queries must be addressed to the contact below:

E-mail: EIAAdmin@environment.gov.za

Please note that this form must be copied to the relevant provincial environmental department/s.

View the Department's website at <http://www.environment.gov.za/> for the latest version of the documents.

1. PROOF OF PAYMENT

Applicants are required to tick the appropriate box below to indicate that either proof of payment is attached or that, in the applicant's view, an exclusion applies. Proof and a motivation for exclusions must be attached to this application form in **Appendix 1**.

Proof of payment attached as **Appendix 1** ☐

Exclusion applies ☒

An applicant is excluded from paying fees if:

The activity is a community based project funded by a government grant; or
The applicant is an organ of state.

TYPE OF EXCLUSION	Tick where applicable. Proper motivation must be attached to the application
The activity is a community based project funded by a government grant	<input type="checkbox"/>
The applicant is an organ of state	<input checked="" type="checkbox"/>

FEE AMOUNT	Fee
Application for an environmental authorisation for which basic assessment is required in terms of the Environmental Impact Assessment Regulations	R2 000
Application for an environmental authorisation, for which S&EIR is required in terms of the Environmental Impact Assessment Regulations	R10 000

Department of Environmental Affairs' details for the payment of application fees:

<p>Payment Enquiries: Tel: 012 399 9119 Email: eiafee@environment.gov.za</p> <p>Banking details: ABSA Bank Branch code: 632005 Account number: 1044 2400 72 Current account Reference number : Reference number to be provided in the specific format indicating centre point coordinates of site in decimal degrees to 5 or 6 decimal places: latitude/longitude eg. -33.918861/18.423300</p> <p>Proof of payment must accompany the application form: Indicate reference number below.</p> <p>Tax exemption status: Status: Tax exempted</p> <p>Reference number:</p>

2. PROJECT DESCRIPTION

Please provide a **detailed** description of the project.

A. BACKGROUND

1) General

Major developments are planned for the Waterberg coalfields that are located in the Lephalale area, Limpopo Province. These developments include inter alia the new Medupi Power Station, development of possible further power stations, extension of the Grootegeeluk mining operations and further coal mines, possible petrochemical industries, possible exploitation of gas, and accelerated growth in the population in the area with associated settlement and urban development.

As a direct result of the aforementioned developments, the demand for water in the Lephalale area will significantly increase over the next 20 years. Due to the limited availability of water in the area, the Department of Water and Sanitation (DWS) conducted a feasibility study of the Mokolo Crocodile River (West) Water Augmentation Project (MCWAP) to establish how the future water demands could be met. The phases of the proposed project include:

- MCWAP Phase 1 (MCWAP-1): Augment the supply from Mokolo Dam to supply in the growing water use requirement for the interim period until a transfer pipeline from the Crocodile River West can be implemented. The solution must over the long term optimally utilise the full yield from Mokolo Dam and will be operated as a system together with MCWAP-2 when the latter is completed. Phase 1 is operational since June 2015; and
- MCWAP Phase 2A (MCWAP-2A): Transfer water from the Crocodile River (West) to the Steenbokpan and Lephalale areas.

MCWAP-2A is the focus of this application and is elaborated on in the sections to follow.

2) MCWAP-2A Overview

The overall MCWAP-2A consists of the following components:

1. Water Transfer Infrastructure - transfer of water from the Crocodile River to Lephalale;
2. Borrow Pits - sourcing of construction material; and
3. River Management System - manage abstractions from, and the river flow in, the Crocodile River (West) between Hartbeespoort Dam and Vlieëpoort Abstraction Weir, including the releases and spills from such Works, as well as the Moretele River from Klipvoor Dam to the confluence with the Crocodile River (West) and the Elands River from Vaalkop Dam to the confluence with the Crocodile River (West).

This application pertains specifically to the MCWAP-2A Water Transfer Infrastructure component.

3) Project Location

The project is located within the western part of the Limpopo Province. The footprint of MCWAP-2A Water Transfer Infrastructure traverses the Thabazimbi Local Municipality (LM) and Lephalale LM, which fall within the Waterberg District Municipality (DM) (refer to locality map in Figure 1 and Appendix 6).

The proximity of the closest towns is as follows:

- Thabazimbi is situated approximately 10 km to the north-east of the Vlieëpoort Abstraction Weir site; and
- Lephalale is situated approximately 30 km to the east of the Alternative D1 pipeline route's terminal point.

The project infrastructure is mostly located on privately-owned properties that are primarily used for agricultural practices and game-farming.

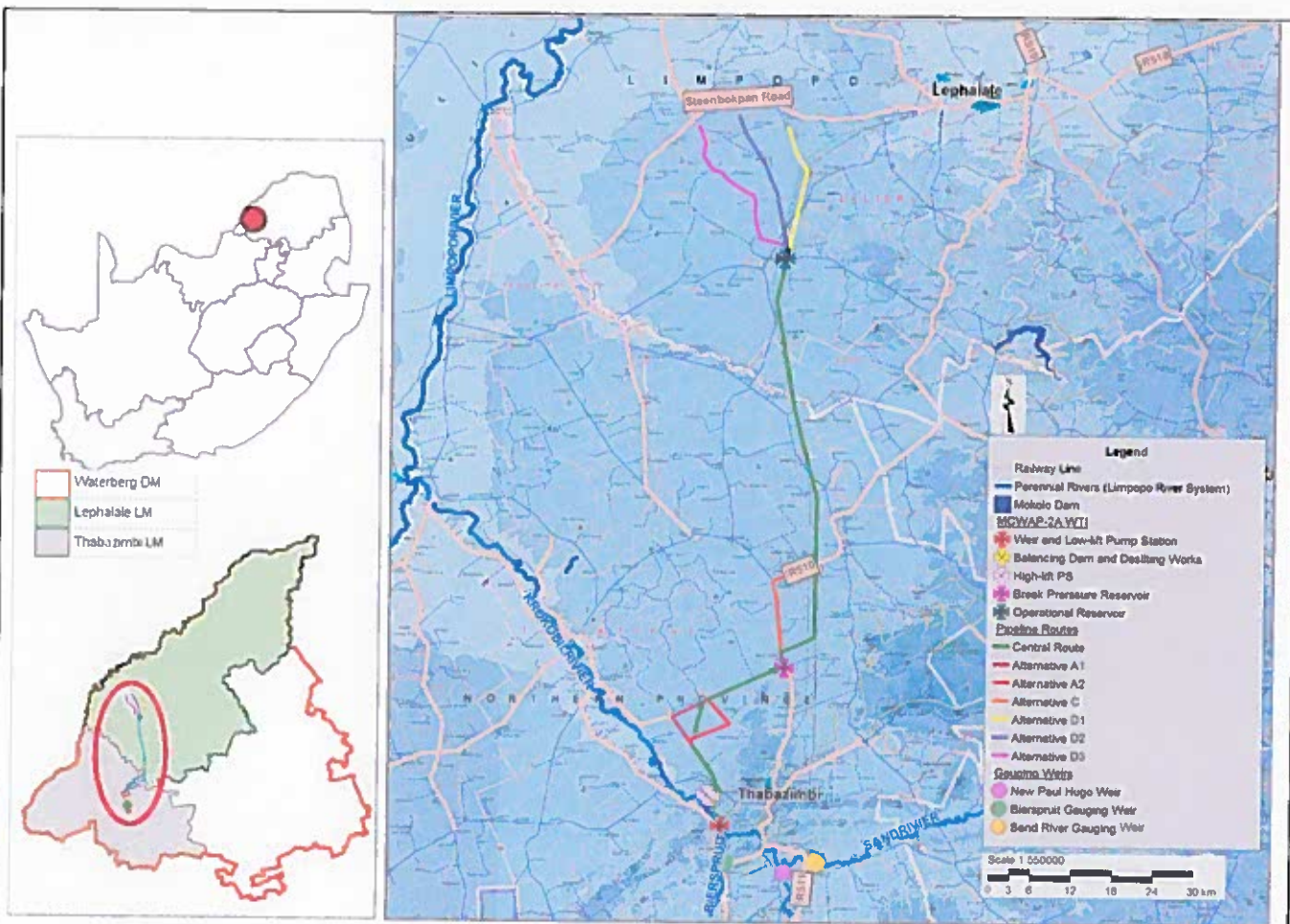


Figure 1: Locality Map of project area

B. PROJECT OVERVIEW

1) Project Components

The MCWAP-2A Water Transfer Infrastructure consists of the following:

- Vlieëpoort Abstraction Weir on the Crocodile River (West);
- Low-lift Pump Station and Low-lift Rising Main (2 pipes);
- Desilting Works;
- Balancing Dams;
- High-lift Pump Station;
- High-lift Rising Main to Break Pressure Reservoir;
- Break Pressure Reservoir;
- Gravity Pipeline from BPR to Operational Reservoir;
- Operational Reservoir;
- Gravity pipeline from Operational Reservoir to Medupi Tee-off via Steenbokpan; and
- Ancillary infrastructure (Gauging Weirs, River Management System, access roads, accommodation, offices, workshops and security measures).

Certain of the major components of the project are discussed in greater detail in the sub-sections to follow.

1.1) Vlieëpoort Abstraction Weir and Pump Station

The weir, as shown in Figure 2, constitutes a gravity mass concrete structure. The lowest part of weir would be about 4 m - 6 m high above the river bed level. The weir is not designed for storage and it is assumed that it will silt up due to its low height and should be scoured clear during most large flood events.

The low-lift pump station building will be in concrete and will be about 25 m high (above river bed level). The structure will be approximately 70 m long parallel to the right river bank, and will extend approximately 25 m into the right bank.

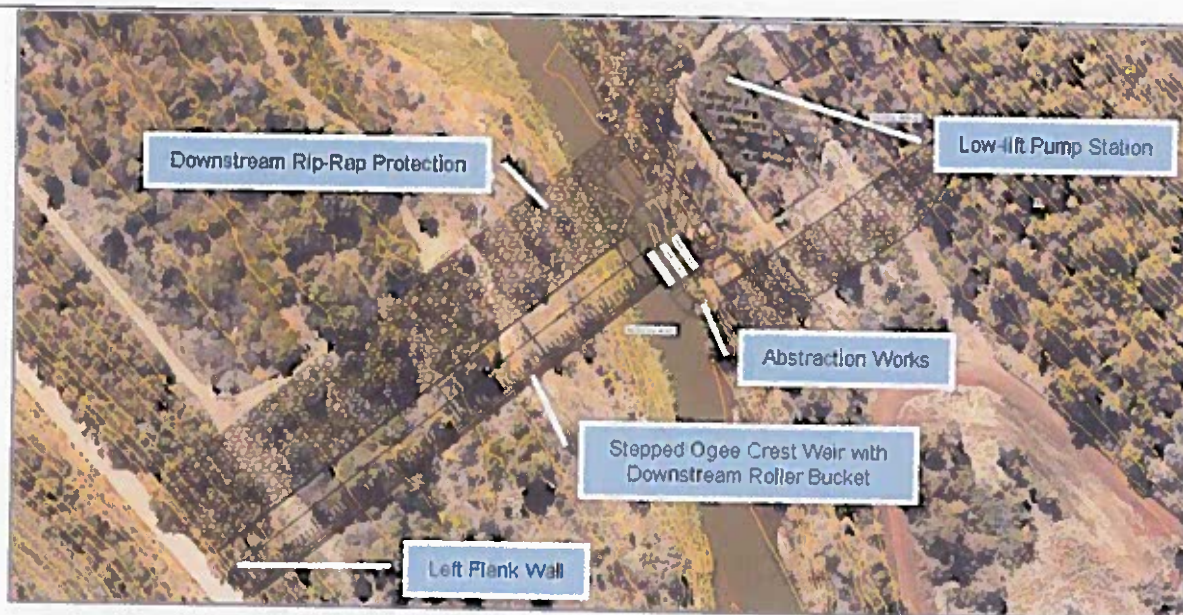


Figure 2: Vleëpoort Abstraction Weir and Pump Station

1.2) Balancing Dams, Desilting Works and High-lift Pump Station

The desilting works (Figure 3) with flushing facility will be located adjacent to the balancing reservoir within the earthfill embankment. The desilting works will consist of at least eight 120 m long concrete channels, typically 2.5 m wide with a depth varying from 4.0 m to 5.5 m and will protrude about 1 – 2 m above the top of the balancing reservoir embankment.

The Balancing Reservoir (Figure 3) will be in the form of an artificial dam formed by shallow excavation and surrounding earthfill embankments. The footprint area of the reservoir including the desilting works is expected to be approximately 620 m x 440 m. The reservoir will be divided into 5 compartments, each with top dimensions of approximately 400 m x 100 m.

The High-lift Pump Station (Figure 3) will be located adjacent to the Balancing Reservoir and occupy a footprint area of approximately 120 m x 300 m. The pump station will be a reinforced concrete, masonry and steel frame structure. Other structures located within the pump station area will include a guardhouse, electrical building, various reinforced concrete valve chambers, stores and maintenance facilities. The area perimeter will be secured by security fencing.



Figure 3: Balancing Dams, Desilting Works and High-lift Pump Station

1.3 Pipeline (Low Lift Rising Main, High-Lift Rising Main and Gravity Pipeline)

The proposed pipeline route commences from the Vlieëpoort Mountains, at the weir site in the Crocodile River, in the south-western point of the project area. From there it runs in a predominantly northern direction along existing roads, farm boundaries and a railway line, until it reaches its destination in Steenbokpan. The pipeline specifications are provided in Table 1.

Table 1: Pipeline specifications

Pipe diameter	Up to 2400 mm.
Pipe material	Steel pipes with welded joints.
Installation	Underground, with a minimum cover above the pipe of 1.0m. Access/valve chambers will be located at approximately 500 m intervals along the route. It will be concrete structures protruding slightly above natural ground level.
Servitude Width	Typically 40 m during construction (temporary) and 25 m permanent.
Servitude Conditions	Permanent access to the pipeline servitude will be required after construction. Pipeline markers (concrete posts) will be installed at changes in direction and at regular intervals along the route. Farming activities (stock and crop farming) can continue within the servitude area after rehabilitation (between 1 and 2 years after construction), taking cognisance of the need for permanent access to the pipeline servitude.

The pipeline will traverse the Matlabas River via a trenchless technique.

1.4) Break Pressure Reservoir and Operational Reservoir

The pipeline route from the Vlieëpoort High-lift Pump Station crosses over high ground. The elevation in this area is such that a Break Pressure Reservoir (Figure 5) can be located to enable gravity flow onwards to the Operational Reservoir (Figure 4).

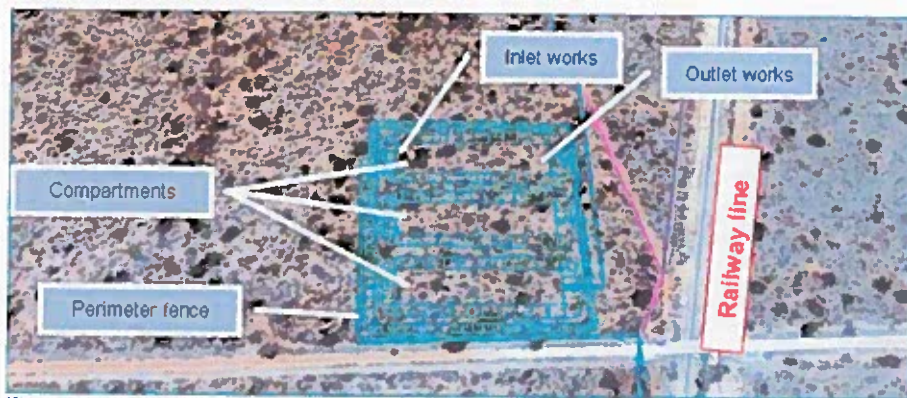


Figure 4: Operational Reservoir

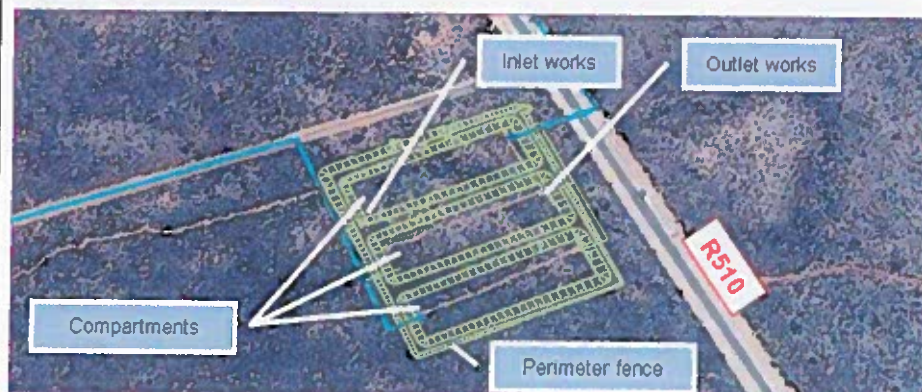


Figure 5: Break Pressure Reservoir



The Reservoirs will generally be in the form of an artificial dam formed by shallow excavation and surrounding earthfill embankments. The final depth and size of the reservoirs will be determined by the site topography (cut and fill balance) with

the aim of minimising surface area to reduce evaporation and maximum flow through to prevent stagnation of the water.

Reservoirs will have to be lined with an appropriate waterproof lining system (HDPE or similar material) and suitable sub-surface drainage must be provided. Reservoirs will be compartmentalised to allow for normal operation, maintenance and cleaning, as well as the mitigating requirements relating to water quality that may be required

The scheme will supply water into Terminal Reservoirs located on the sites of the end consumers. These reservoirs and the infrastructure from the off-takes on the main pipelines are excluded from the scope of MCWAP-2A.

1.5) Gauging Weirs

1.5.1 Bierspruit and Sand River

The Bierspruit and Sand River are the only two remaining significant watercourses along the Crocodile River (West) downstream of Roodekopjes Dam that has not been dammed (or gauged). The confluences of these two rivers with the Crocodile River (West) are located downstream of Paul Hugo Weir and upstream of Vlieëpoort. This means that the contributions made by the Sand River and Bierspruit to the flow in the Crocodile River (West) are not known other than through run-off calculations and cursory visual observations. The flows and specifically floods emanating from the two catchments could therefore have a significant impact on river flow patterns and riverine environment along the Crocodile River (West) downstream of Vlieëpoort. Flows from the Bierspruit and Sand River should also be measured to ensure that these flows are allowed to pass the Vlieëpoort Abstraction Weir.

The following sites have been identified for gauging weirs (crump weir structures), which will allow for water flow to be measured, have been identified as part of MCWAP Phase 2 (refer to Figure 6):

- Bierspruit - S 24.68144°, E 27.32233°; and
- Sand River - S 24.67978°, E 27.45355°.



Figure 6: Possible sites for gauging weirs on the Bierspruit and Sand River

1.5.2 New Paul Hugo Weir

The existing Paul Hugo Weir (A2H116), which is situated approximately 20 km upstream of the proposed Vlieëpoort Weir site on the Crocodile River, is an existing farmer abstraction weir.

Low flow gauging can be improved by the construction of a crump weir about 70 metres downstream of the diversion weir at the approximate location: S 24.69466°, E 27.40918° (shown in Figure 7). Suitable rock foundation is available within the bed

of river channel at this point and the weir could be designed to measure flows accurately from 200 litres per second up to 8 cubic metres per second. The instrument housings will be located outside the river channel and proper erosion protection will be provided.



Figure 7: Possible site for gauging weir near Paul Hugo Weir

1.5.3 Existing Weir Downstream of Hartbeespoort Dam

The gauging structure (A4H083) immediately downstream of Hartbeespoort Dam (S 25.71892°, E 27.84381°) (shown in Figure 8), will require structural changes to improve gauging accuracy.



Figure 8: Weir downstream of Hartbeespoort Dam

C. ENVIRONMENTAL ASSESSMENT

1) Previous Environmental Assessments

The MCWAP Environmental Module was originally initiated at the end of 2008 under the EIA Regulations of 2006. The status of each of the original MCWAP applications is shown in Table 2.

Table 2: Status of original MCWAP applications

MCWAP Component	Environmental Assessment Process	DEA Ref. No.	Status
Phase 1	Scoping and EIA	12/12/20/1465	Environmental Authorisation issued on 03 December 2010
Phase 2	Scoping and EIA	12/12/20/1466	EIA application withdrawn following Scoping phase due to uncertainty with regards to water demands
De-bottlenecking	Basic Assessment	12/12/20/1467	Environmental Authorisation issued on 24 February 2010

MCWAP-2A was resuscitated for the following reasons:

- Government identified and approved 18 Strategic Infrastructure Projects (SIPs) across the RSA to support economic development and address service delivery in the poorest provinces. SIP 1 entails the unlocking of the Northern Mineral Belt with Waterberg as the catalyst. Investment in rail, water and transmission infrastructure and energy generation will catalyse unlocking rich mineral resources in Limpopo resulting in thousands of direct jobs across the areas covered. The MCWAP includes the water infrastructure needed for SIP 1. Due to the priority accorded by Government to such SIP projects, it was prudent to give priority to the future water needs of the Lephalale area in support of the national development imperatives;
- MCWAP-1 augments the supply from Mokolo Dam and is already operational since June 2015. It serves as an interim measure to supply in the growing water requirements of Lephalale, Eskom and Exxaro. This solution will over the long term optimally utilise the full yield from Mokolo Dam. The sustainable yield of Mokolo Dam is not sufficient to meet the increased needs of the users including the pollution abatement measures which is an environmental and funding condition;
- A suitably sized transfer pipeline from the Crocodile River (West) can be implemented timeously to meet the increased requirements to support the RSA's economy. MCWAP-1 will be operated as a system together with proposed MCWAP-2A when the latter is completed. MCWAP-2A will also serve to provide the necessary assurance of water supply to the strategic end users from independent sources; and
- The water requirements have been finalised to the degree that is adequate to make informed economic decisions with respect to the transfer capacity of MCWAP-2A.

2) Consultation with DEA to date

Nemai Consulting was appointed by DWS to act as the Environmental Assessment Practitioner (EAP) to undertake the requisite EIA process for the project, in accordance with GN No. R. 982 of 4 December 2014 (as amended). In terms of NEMA, the lead decision-making authority for the environmental assessment is the Department of Environmental Affairs (DEA) as the project proponent (DWS) is a national department.

A Pre-application Consultation Meeting was convened with DEA on 19 August 2015. The minutes of this meeting were distributed to the attendees (to be attached to the Scoping Report). The purpose of the meeting included the following:

- To introduce the overall MCWAP-2A to DEA;
- To seek clarification regarding certain matters that pertain to the EIA process;
- To determine DEA's requirements; and
- To confirm the process and timeframes.

A follow-up meeting was convened with DEA on 17 March 2016. The minutes of this meeting were also distributed to the attendees (to be attached to the Scoping Report). The purpose of the meeting primarily included following up on matters raised during the DEA Pre-Application Consultation Meeting.

3) Environmental Legal Framework

The key pieces of legislation and the associated environmental assessments for MCWAP-2A are listed in Table 3. A comprehensive legal framework will be included in the Scoping and EIA Reports, which will also include legislation related to specific environmental features (e.g. heritage and cultural resources, protected fauna and flora species, etc.).

Table 3: Environmental legislation and associated assessments for MCWAP-2A

	MCWAP-2A Component	NEMA ¹	MPRDA ²	NWA ³
1	Water Transfer Infrastructure	Scoping & EIA	-	Water Use Authorisation Process
2	Borrow Pits	Scoping & EIA		
3	River Management System	Multiple Applications	-	

1 - National Environmental Management Act (No. 107 of 1998)

2 - Mineral and Petroleum Resources Development Act (Act No. 28 of 2002)

3 - National Water Act (No. 36 of 1998)

4) Approach to Application for Environmental Authorisation

As mentioned, this application deals specifically with the proposed MCWAP-2A Water Transfer Infrastructure. A separate application will be submitted for the River Management System to DEA, based on the scope and relevant listed activities triggered.

DEA confirmed in writing on 12 April 2016 that there is no need for a Waste Management Licence for the MCWAP-2A Water Transfer Infrastructure for returning sediment back to the Crocodile River (letter to be attached to the Scoping Report).

Separate approval will be sought from the Department of Mineral Resources (DMR) for the MCWAP-2A borrow areas in terms of the activities triggered under the Listing Notices of 4 December 2014 (as amended).

Does the project form part of any of the Strategic Infrastructure Projects (SIPs) as described in the National Development Plan, 2011?

☒ YES

If YES, please indicate which SIPs are applicable in **Appendix 2**. You are also required to provide confirmation of SIP applications from the relevant sector representative which must be attached in **Appendix 2**

Is the project subject to the Integrated Resource Plan 2010 – 2030 (IRP) bidding process?

☒ YES

☒ NO

Please indicate which sector the project falls under by crossing out the relevant block in the table below:

Table 1

Green economy + "Green" and energy-saving industries	Greenfield transformation to urban or industrial form (including mining)
Infrastructure – electricity (generation, transmission & distribution)	Biodiversity or sensitive area related activities
Oil and gas	Mining value chain
Biofuels	Potential of metal fabrication capital & transport equipment – arising from large public investments
Nuclear	Boat building
Basic services (local government) – electricity and electrification	Manufacturing – automotive products and components, and medium and heavy commercial vehicles

Basic services (local government) – area lighting		Manufacturing – plastics, pharmaceuticals and chemicals
Infrastructure – transport (ports, rail and road)		Manufacturing – clothing textiles, footwear and leather
Basic services (local government access roads)		Forestry, paper, pulp and furniture
Basic services (local government) – public transport		Business process servicing
Infrastructure – water (bulk and reticulation)	X	Advanced materials
Basic services (local government) – sanitation		Aerospace
Basic services (local government) – waste management		Basic services (local government) – education
Basic services (local government) water		Basic services (local government) – health
Agricultural value chain + agro-processing (linked to food security and food pricing imperatives)		Basic services (local government) - housing
Infrastructure – information and communication technology		Basic services (local government) security of tenure
Tourism + strengthening linkages between cultural industries and tourism		Other
Basic services (local government) – public open spaces and recreational facilities		

Table 2

Does the listed activity/ies applied for form part of a larger project which is not a listed activity itself e.g. a road that is a listed activity that is needed to access a drilling site where the drilling does not constitute a listed activity.		NO
If indicated yes above, please provide a brief description on how the activity/ies relate to the larger project that forms part thereof:		

3. GENERAL INFORMATION

Applicant name:	Department of Water and Sanitation		
Registration number (if applicant is a company):			
Trading name (if any):			
BBBEE status	Government Department		
Responsible person name (If the applicant is a company):	Ronald Gillmer		
Applicant/ Responsible person ID number:	6304175012083		
Responsible position, e.g. Director, CEO, etc.:	Chief Engineer: Options Analysis		
Physical address:	185 Francis Baard Street, Sedibeng Building, Pretoria		
Postal address:	Private Bag X313, PRETORIA		
Postal code:	0001	Cell:	083 791 0833
Telephone:	012 336 6933	Fax:	012 336 7399
E-mail:	GillmerR@dws.gov.za		

Provincial Authority:	Limpopo Department of Economic Development, Environment and Tourism: Waterberg District		
Contact person:	RV Mthombeni (Manager: Waterberg District)		
Postal address:	Private Bag X9484, POLOKWANE		
Postal code:	0700	Cell:	071 874 8514
Telephone:	015 290 7000	Fax:	015 295 4013
E-mail:	MakanatlengNJ@ledet.gov.za		

Local municipality:	Refer to Appendix 3		
Contact person:			
Postal address:			
Postal code:		Cell:	
Telephone:		Fax:	
E-mail:			

In instances where there is more than one local authority involved, please attach a list of those local authorities with their contact details as **Appendix 3**.

Landowner:	Refer to Appendix 4		
Contact person:			
Postal address:			
Postal code:		Cell:	
Telephone:		Fax:	
E-mail:			

In instances where there is more than one landowner, please attach a list of those landowners with their contact details as **Appendix 4**. Unless the application is in respect of linear activities or strategic integrated projects as contemplated in the Infrastructure Development Act, 2014, **written consent** of landowner/s must be submitted in **Appendix 4**.

Identified Competent Authority to consider the application:	Department of Environmental Affairs (DEA)
Reason(s) in terms of S24C of NEMA 1998 as amended:	In terms of NEMA, the lead decision-making authority for the environmental assessment is DEA as the project proponent (DWS) is a national department.

4. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

EAP company name:	Nemai Consulting			
B-BBEE	Contribution level (indicate 1 to 8 or non compliant)	Level 1	Percentage Procurement recognition	
Professional affiliation/registration:	<ul style="list-style-type: none"> Environmental Assessment Practitioners of South Africa (EAPSA) SACNASP - Professional Natural Scientist (Registration No. 400108/17) IAIA 			
Contact person:	Donavan Henning			
Company:	Nemai Consulting			
Physical address:	No. 147 Bram Fischer Drive, Ferndale, 2194			
Postal address:	P.O. Box 1673, SUNNINGHILL			
Postal code:	2157	Cell:	082 891 0604	
Telephone:	011 781 1730	Fax:	011 781 1731	
E-mail:	donavanh@nemai.co.za			

The appointed EAP must meet the requirements of Regulation 13 of GN R.982, dated December 2014. The declaration of independence of the EAP and undertaking under oath or affirmation that all the information submitted or to be submitted for the purposes of the application is true and correct must be submitted as **Appendix 9**.

5. SITE DESCRIPTION

Provide a detailed description of the site involved in the application.

Province	Limpopo Province
District Municipality	Waterberg District Municipality
Local Municipality	Thabazimbi Local Municipality Lephalale Local Municipality
Ward number(s)	Thabazimbi Local Municipality – Wards 1 and 9. Lephalale Local Municipality – Wards 1, 2 and 3.
Nearest town(s)	<ul style="list-style-type: none"> Thabazimbi is situated approximately 10 km to the north-east of the Vlieëpoort Abstraction Weir site (southernmost point of project footprint); and Lephalale is situated approximately 30 km to the east of the Alternative D1 pipeline route's terminal point (northernmost point of project footprint).
Farm name(s) and number(s)	Refer to Appendix 4 for a list of the properties affected by the proposed project. Note that the Scoping Report will contain further details on the affected properties and the affected landowners.
Portion number(s)	

Surveyor General 21 digit code

(If there are more than 4, please attach a list with the rest of the codes as **Appendix 5**. Where the 21 digit SGID and farm name are not available, the coordinates of the boundary of the property or properties must be provided in **Appendix 5**.)

Refer to Appendix 5.																				
1	2	3	4	5																
Are there any other applications for Environmental Authorisation on the same property?																			YES	NO
																			To be confirmed	
If YES, please indicate the following:																				
Competent Authority																				
Reference Number																				
Project Name																				
Please provide details of the steps taken to ascertain this information:																				
The following projects have been identified:																				
1. Transnet is planning the possible expansion of the railway line. We have requested further details which should be available for the Scoping Report.																				
2. 400 kV power line for the Namane Generation IPP. The Steenbokpan Line follows the MCWAP-2A Alternative D3 route. This will be considered further.																				
Status of other applications to be confirmed.																				

6. ACTIVITIES TO BE AUTHORISED

For an application for authorisation that involves more than one listed activity that, together, make up one development proposal, all the listed activities pertaining to this application must be indicated.

Note:

1. The technical information provided below to describe the listed activities was primarily sourced from the Technical Feasibility Study for the project.
2. The information pertaining to the sizing of the infrastructure should be regarded as approximates, as they are subject to further investigations and detail design.
3. As a conservative approach, all possible activities that could possibly be triggered are included. A further refinement of these activities will take place as the EIA process unfolds.

Detailed description of listed activities associated with the project

Listed activity as described in GN R 983, 984 and 985	Description of project activity that triggers listed activity
e.g. GN R.983 Item XX(x): The development of bridge exceeding 100 square metres in size within a watercourse	e.g. A bridge measuring 110 square metres will be constructed within the watercourse
GN No. R.983 – Activity no. 9: The development of infrastructure exceeding 1000 metres in length for the bulk transportation of <u>water</u> or storm water- (i) with an internal diameter of 0,36 metres or more; or (ii) with a peak throughput of 120 litres per second or more; excluding where- (a) such infrastructure is for bulk transportation of water or storm water or storm water drainage inside a road reserve; or (b) where such development will occur within an urban area.	Water pipelines that form part of the transfer scheme, based on 75 million m ³ /a transfer capacity. Pipe diameter up to 2400 mm.
GN No. R.983 – Activity no. 12: The development of - (i) dams or weirs, where the dam or weir, including infrastructure and water surface area, exceeds 100 square metres; or (ii) infrastructure or structures with a physical footprint of 100 square metres or more; where such development occurs— (a) within a watercourse; (b) in front of a development setback; or (c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse; - excluding— (aa) the development of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour; (bb) where such development activities are related to the development of a port or harbour, in which case activity 26 in Listing Notice 2 of 2014 applies; (cc) activities listed in activity 14 in Listing Notice 2 of 2014 or activity 14 in Listing Notice 3 of 2014, in which case that activity applies;	Various infrastructure with a physical footprint of 100 square metres or more within watercourse(s) / within 32 m from watercourse(s), including: <ul style="list-style-type: none"> • Abstraction works; • Gauging weirs; • Pipeline crossings; • Access roads' crossings; and • Encroachments by other project infrastructure (to be confirmed).

<p>(dd) where such development occurs within an urban area;</p> <p>(ee) where such development occurs within existing roads, road reserves or railway line reserves; or</p> <p>(ff) the development of temporary infrastructure or structures where such infrastructure or structures will be removed within 6 weeks of the commencement of development and where indigenous vegetation will not be cleared.</p>	
<p>GN No. R.983 – Activity no. 13:</p> <p>The development of facilities or infrastructure for the off-stream storage of water, including dams and reservoirs, with a combined capacity of 50000 cubic metres or more, unless such storage falls within the ambit of activity 16 in Listing Notice 2 of 2014.</p>	<ul style="list-style-type: none"> • Balancing Dam: <ul style="list-style-type: none"> ○ Size - 620 x 440 m; ○ Storage capacity – 3 days, 68 0000m³ for 75 million m³/a transfer • Break Pressure Reservoir – <ul style="list-style-type: none"> ○ Dimensions - 260 x 300m; ○ Storage capacity – 8 hours, 90 000 m³ for 75 million m³/a; • Operational Reservoir- <ul style="list-style-type: none"> ○ Dimensions - 260 x 300m; ○ Storage capacity - 8 hours, 90 000 m³ for 75 million m³/a.
<p>GN No. R.983 – Activity no. 14:</p> <p>The development of facilities or infrastructure, for the storage, or for the storage and handling, of a dangerous good, where such storage occurs in containers with a combined capacity of 80 cubic metres or more but not exceeding 500 cubic metres.</p>	<p>"Dangerous goods" that are likely to be associated with the greater project, are fuel stores, as well as any dangerous goods to be used during the construction phase. Threshold of 80 m³ expected to be exceeded.</p> <p>Fuel and other dangerous goods will be stored at all site establishments.</p>
<p>GN No. R.983 – Activity no. 19:</p> <p>The infilling or depositing of any material of more than 10 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 10 cubic metres from a watercourse;</p> <p>but excluding where such infilling, depositing, dredging, excavation, removal or moving -</p> <p>(a) will occur behind a development setback;</p> <p>(b) is for maintenance purposes undertaken in accordance with a maintenance management plan;</p> <p>(c) falls within the ambit of activity 21 in this Notice, in which case that activity applies;</p> <p>(d) occurs within existing ports or harbours that will not increase the development footprint of the port or harbour; or</p> <p>(e) where such development is related to the development of a port or harbour, in which case activity 26 in Listing Notice 2 of 2014 applies.</p>	<p>Various infrastructure within watercourse(s) / within 32 m from watercourse(s), including:</p> <ul style="list-style-type: none"> • Abstraction works; • Gauging weirs; • Pipeline crossings; • Access roads' crossings; and • Encroachments by other project infrastructure (to be confirmed).
<p>GN No. R.983 – Activity no. 24:</p> <p>The development of a road -</p> <p>(i) for which an environmental authorisation was obtained for the route determination in</p>	<p>Access roads to the various sites (construction and operational phases) are expected to exceed thresholds. Dimensions to be confirmed.</p>

<p>terms of activity 5 in Government Notice 387 of 2006 or activity 18 in Government Notice 545 of 2010; or</p> <p>(ii) with a reserve wider than 13,5 meters, or where no reserve exists where the road is wider than 8 metres; but excluding a road—</p> <p>(a) which is identified and included in activity 27 in Listing Notice 2 of 2014;</p> <p>(b) where the entire road falls within an urban area; or</p> <p>(c) which is 1 kilometre or shorter.</p>	
<p>GN No. R.983 – Activity no. 27:</p> <p>The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation, except where such clearance of indigenous vegetation is required for—</p> <p>(i) the undertaking of a linear activity; or</p> <p>(ii) maintenance purposes undertaken in accordance with a maintenance management plan.</p>	<p>Clearance of large areas associated with the construction footprint, which includes the following large project components:</p> <ul style="list-style-type: none"> • Balancing Dam - 620 x 440 m; • Break Pressure Reservoir - 260 x 300m; • Operational Reservoir - 260 x 300m; • Laydown areas, and • General site establishment. <p>Status of vegetation to be confirmed as part of the Terrestrial Ecological Study.</p>
<p>GN No. R.983 – Activity no. 28:</p> <p>Residential, mixed, retail, commercial, industrial or institutional developments where such land was used for agriculture, game farming, equestrian purposes or afforestation on or after 01 April 1998 and where such development:</p> <p>(i) will occur inside an urban area, where the total land to be developed is bigger than 5 hectares; or</p> <p>(ii) <u>will occur outside an urban area, where the total land to be developed is bigger than 1 hectare;</u></p> <p>excluding where such land has already been developed for residential, mixed, retail, commercial, industrial or institutional purposes.</p>	<p>Footprint of project on agricultural land. This includes the Balancing Dam which is 600 m x 370 m and mostly occurs on land used for agricultural purposes, outside of an urban area.</p>
<p>GN No. R.983 – Activity no. 30:</p> <p>Any process or activity identified in terms of section 53(1) of the National Environmental Management: Biodiversity Act, 2004 (Act No. 10 of 2004).</p>	<p>Possible occurrence of sensitive biodiversity features at affected areas. To be confirmed as part of the Terrestrial Ecological Study.</p>
<p>GN No. R.983 – Activity no. 56:</p> <p>The widening of a road by more than 6 metres, or the lengthening of a road by more than 1 kilometre—</p> <p>(i) where the existing reserve is wider than 13,5 meters; or</p> <p>(ii) where no reserve exists, where the existing road is wider than 8 metres; excluding where widening or lengthening occur inside urban areas.</p>	<ul style="list-style-type: none"> • Access roads to the various sites (construction and operational phases). Dimensions to be confirmed. • Relocation of roads that will be inundated by abstraction weir.
<p>GN No. R.983 – Activity no. 67:</p>	<p>Possible phased activities that may collectively trigger</p>

<p>Phased activities for all activities -</p> <p>(i) listed in this Notice, which commenced on or after the effective date of this Notice or similarly listed in any of the previous NEMA notices, which commenced on or after the effective date of such previous NEMA Notices;</p> <p>excluding the following activities listed in this Notice-</p> <p>17(i)(a-d);</p> <p>17(ii)(a-d);</p> <p>17(iii)(a-d);</p> <p>17(iv)(a-d);</p> <p>17(v)(a-d);</p> <p>20;</p> <p>21;</p> <p>22;</p> <p>24(i);</p> <p>29;</p> <p>30;</p> <p>31;</p> <p>32;</p> <p>34;</p> <p>54(i)(a-d);</p> <p>54(ii)(a-d);</p> <p>54(iii)(a-d);</p> <p>54(iv)(a-d);</p> <p>54(v)(a-d);</p> <p>55;</p> <p>61;</p> <p>64; and</p> <p>65; or</p> <p>(ii) listed as activities 5, 7, 8(ii), 11, 13, 16, 27(i) or 27(ii) in Listing Notice 2 of 2014 or similarly listed in any of the previous NEMA notices, which commenced on or after the effective date of such previous NEMA Notices;</p> <p>where any phase of the activity was below a threshold but where a combination of the phases, including expansions or extensions, will exceed a specified threshold.</p>	<p>this listed activity.</p>
<p>GN No. R.984 – Activity no. 4:</p> <p>The development and related operation of facilities or infrastructure, for the storage, or storage and handling of a dangerous good, where such storage occurs in containers with a combined capacity of more than 500 cubic metres.</p>	<p>"Dangerous goods" that are likely to be associated with the greater project, are fuel stores, as well as any dangerous goods to be used during the construction phase.</p> <p>Fuel and other dangerous goods will be stored at all site establishments.</p>
<p>GN No. R.984 – Activity no. 6:</p> <p>The development of facilities or infrastructure for any process or activity which requires a permit or licence or an amended permit or licence in terms of national or provincial legislation governing the generation or release of emissions, pollution or effluent, excluding -</p>	<p>Approval will be required for the scouring of sediment back to the Crocodile River from the desilting works in terms of the National Water Act (No. 36 of 1998).</p>

<p>(i) activities which are identified and included in Listing Notice 1 of 2014;</p> <p>(ii) activities which are included in the list of waste management activities published in terms of section 19 of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) in which case the National Environmental Management: Waste Act, 2008 applies;</p> <p>(iii) the development of facilities or infrastructure for the treatment of effluent, polluted water, wastewater or sewage where such facilities have a daily throughput capacity of 2 000 cubic metres or less; or</p> <p>(iv) where the development is directly related to aquaculture facilities or infrastructure where the wastewater discharge capacity will not exceed 50 cubic metres per day.</p>	
<p>GN No. R.984 – Activity no. 11:</p> <p>The development of facilities or infrastructure for the transfer of 50 000 cubic metres or more water per day, from and to or between any combination of the following -</p> <p>(i) water catchments;</p> <p>(ii) water treatment works; or</p> <p>(iii) impoundments;</p> <p>excluding treatment works where water is to be treated for drinking purposes.</p>	<p>Transfer scheme from Crocodile River (West) to Lephalale with a capacity of 75 million m³/a.</p>
<p>GN No. R.984 – Activity no. 15:</p> <p>The clearance of an area of 20 hectares or more of indigenous vegetation, excluding where such clearance of indigenous vegetation is required for-</p> <p>(i) the undertaking of a linear activity; or</p> <p>(ii) maintenance purposes undertaken in accordance with a maintenance management plan.</p>	<p>Cumulative area to be cleared for entire project (except linear components) exceeds 20 hectares.</p> <p>Status of vegetation to be confirmed as part of the Terrestrial Ecological Study.</p>
<p>GN No. R.984 – Activity no. 16:</p> <p>The development of a dam where the highest part of the dam wall, as measured from the outside toe of the wall to the highest part of the wall, is 5 metres or higher or where the highwater mark of the dam covers an area of 10 hectares or more.</p>	<p>Abstraction weir at Vlieëpoort. The lowest part of weir would be approximately 4 m - 6 m high above the river bed level.</p>
<p>GN No. R.985 – Activity no. 2(e)(ii):</p> <p>The development of reservoirs, excluding dams, with a capacity of more than 250 cubic metres.</p>	<p>Threshold exceeded by Break Pressure Reservoir, Operational Reservoir and Balancing Dam.</p> <p>Activity to be confirmed following Terrestrial Ecological Study.</p>
<p>GN No. R.985 – Activity no. 4(e)(i):</p> <p>The development of a road wider than 4 metres with a reserve less than 13,5 metres.</p>	<p>Access roads to the various sites (construction and operational phases) are expected to exceed thresholds. Dimensions to be confirmed.</p> <p>Activity to be confirmed following Terrestrial Ecological Study.</p>
<p>GN No. R.985 – Activity no. 10(e)(i):</p>	<p>"Dangerous goods" that are likely to be associated</p>

<p>The development and related operation of facilities or infrastructure for the storage, or storage and handling of a dangerous good, where such storage occurs in containers with a combined capacity of 30 but not exceeding 80 cubic metres.</p>	<p>with the greater project, are fuel stores, as well as any dangerous goods to be used during the construction phase. Threshold of 30 m³ expected to be exceeded. Fuel and other dangerous goods will be stored at all site establishments.</p> <p>Activity to be confirmed following Terrestrial Ecological Study.</p>
<p>GN No. R.985 – Activity no. 12(e)(i – ii): The clearance of an area of 300 square metres or more of indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan.</p>	<p>Clearance of large areas associated with the construction footprint.</p> <p>Activity to be confirmed following Terrestrial Ecological Study.</p>
<p>GN No. R.985 – Activity no. 14(e)(i): The development of - (i) dams or weirs, where the dam or weir, including infrastructure and water surface area exceeds 10 square metres; or (ii) infrastructure or structures with a physical footprint of 10 square metres or more; where such development occurs - (a) within a watercourse; (b) in front of a development setback; or (c) if no development setback has been adopted, within 32 metres of a watercourse, measured from the edge of a watercourse; excluding the development of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour.</p>	<p>Various infrastructure within watercourse(s) / within 32 m from watercourse(s), including:</p> <ul style="list-style-type: none"> • Abstraction works; • Gauging weirs; • Pipeline crossings; • Access roads' crossings; and • Encroachments by other project infrastructure (to be confirmed). <p>Activity to be confirmed following Terrestrial Ecological Study.</p>
<p>GN No. R.985 – Activity no. 18(e)(i): The widening of a road by more than 4 metres, or the lengthening of a road by more than 1 kilometre.</p>	<p>Access roads to the various sites (construction and operational phases) are expected to exceed thresholds. Dimensions to be confirmed.</p> <p>Activity to be confirmed following Terrestrial Ecological Study.</p>
<p>GN No. R.985 – Activity no. 23(e)(i): The expansion of - (i) dams or weirs where the dam or weir is expanded by 10 square metres or more; or (ii) infrastructure or structures where the physical footprint is expanded by 10 square metres or more; where such expansion occurs - (a) within a watercourse; (b) in front of a development setback adopted in the prescribed manner; or (c) if no development setback has been adopted, within 32 metres of a watercourse, measured from the edge of a watercourse; excluding the expansion of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour.</p>	<p>Upgrade of existing bridge(s) along access road(s).</p> <p>Activity to be confirmed following Terrestrial Ecological Study.</p>

<p>GN No. R.985 – Activity no. 26: Phased activities for all activities - i. listed in this Notice and as it applies to a specific geographical area, which commenced on or after the effective date of this Notice; or ii. similarly listed in any of the previous NEMA notices, and as it applies to a specific geographical area, which commenced on or after the effective date of such previous NEMA Notices - where any phase of the activity was below a threshold but where a combination of the phases, including expansions or extensions, will exceed a specified threshold; - excluding the following activities listed in this Notice— 7; 8; 11; 13; 20; 21; and 24.</p>	<p>Possible phased activities that may collectively trigger this listed activity.</p> <p>Activity to be confirmed following Terrestrial Ecological Study.</p>
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Please note that any authorisation that may result from this application will only cover activities specifically applied for. Co-ordinate points indicating the location of each listed activity must be provided with the relevant report (i.e. either BAR or EIR).

Please provide a project map indicating any sensitive areas (e.g. critical biodiversity area, World Heritage Site, etc.) overlaid by the study area in **Appendix 6**.

A project schedule, indicating the different phases and timelines of the project, must be attached as **Appendix 7**.

7. PUBLIC PARTICIPATION

Provide details of the public participation process proposed for the application as required by Regulation 41(2) of GN R .982, dated December 2014.

The EIA Public Participation Process for MCWAP-2A Water Transfer Infrastructure will consist of the following three phases:

1. Announcement Phase;
2. Scoping Phase; and
3. EIA Phase.

As part of the project announcement phase of the EIA the following tasks were undertaken:

1. Compile a database of potential Interested and Affected Parties (IAPs), which included -
 - a. Landowners, occupiers and/or persons in control of land affected by or adjacent to the footprint of the project's physical infrastructure;
 - b. Organ of state having jurisdiction in respect of any aspect of the activity;
 - c. The municipality which has jurisdiction in the area (Waterberg District Municipality, Thabazimbi Local Municipality and Lephalale Local Municipality);
 - d. The municipal councillors of the wards in which the project footprint site is situated;
 - e. Ratepayers Associations (as relevant);
 - f. Custodians of infrastructure that will be affected by the project components (including *inter alia* Eskom and Transnet);
 - g. Formal agricultural groups, including
 - i. Transvaal Agricultural Union South Africa;
 - ii. Agri-SA;
 - iii. Hartbeespoort Irrigation Board;
 - iv. Crocodile West Irrigation Board;
 - v. Makoppa Irrigators;
 - h. Specific interest groups (e.g. environmental, socio-economic, education); and
 - i. Other.
2. Placing legal notices in the following newspapers –
 - a. Beeld (Afrikaans; regional);
 - b. The Star (English; regional);
 - c. The Daily Sun (English; regional);
 - d. Die Kweek (Afrikaans, local); and
 - e. Mogol Pos (English; local).
3. Distributing a Background Information Document and Reply Form to all IAPs identified and included in the project database.
4. Erecting onsite notices (reflecting English and, Afrikaans) at various locations along the project footprint. The sites will be chosen to be conspicuous to and accessible by the public at the boundary or along the project components.
5. Placing public notices at the following locations -
 - a. Thabazimbi Municipal Office;
 - b. Thabazimbi Library;
 - c. Agri-SA Ellisras;
 - d. Steenbokpan Shop;
 - e. Koedoeskop Shop; and
 - f. Sentrum Agricultural Union Auctioning Kraals.
6. Notifying IAPs via bulk SMS.
7. Notifying landowners of directly affected and adjacent properties (refer to Notification Letter, emails and registered mail contained in **Appendix 4**).
8. Convening the following public meetings:
 - a. 25 May 2016 - Thabazimbi;
 - b. 26 May 2016 - Lephalale; and
 - c. 26 May 2016 - Steenbokpan
9. Convening an Environmental Authorities meeting on 25 May 2016.
10. Compile a Comments and Responses Report.

Public Participation tasks during the Scoping Phase will include (but not limited to):

1. Lodge draft Scoping Report in public domain (including electronic copy on project website and hardcopies at public places such as Thabazimbi and Lephalale Libraries);

2. Notification of registered IAPs of review of draft Scoping Report;
3. Convene Public Meetings and Environmental Authorities Meeting to present the draft Scoping Report; and
4. Update Comments and Response Report.

Public Participation tasks during the EIA Phase will include (but not limited to):

1. Lodge draft Environmental Impact Assessment Report (EIAR) in public domain;
2. Notification of registered IAPs of review of draft EIAR;
3. Convene Public Meetings and Environmental Authorities Meeting to present the draft EIAR;
4. Update Comments and Response Report;
5. Notification of registered IAPs of DEA's decision; and
6. Appeal process (if applicable).

Note that a broader Public Involvement Programme will also be undertaken as part of the River Management System, which extends beyond the scope of the EIA's Public Participation Process. This will entail engaging with the relevant interest groups, which include:

- Formal agricultural groups (including the Hartbeespoort Irrigation Board, Crocodile-West Irrigation Board, Makoppa Water Users and the Transvaal Agricultural Union South Africa); and
- Hartbeespoort Dam IAPs.

8. OTHER AUTHORISATIONS REQUIRED

LEGISLATION	AUTHORISATION REQUIRED	APPLICATION SUBMITTED
SEMA's		
National Environmental Management: Air Quality Act	NO	
National Environmental Management: Biodiversity Act	<i>To be confirmed</i>	
National Environmental Management: Integrated Coastal Management Act	NO	
National Environmental Management: Protected Areas Act	NO	
National Environmental Management: Waste Act *	NO	
National legislation		
Mineral Petroleum Development Resources Act *	YES	NO
National Water Act	YES	NO
National Heritage Resources Act	YES	NO
Others: Please specify	<i>To be confirmed</i>	YES NO

* Note:

- **National Environmental Management: Waste Act** - DEA confirmed in writing on 12 April 2016 that there is no need for a Waste Management Licence for the MCWAP-2A Water Transfer Infrastructure (letter to be attached to the Scoping Report).
- **Mineral Petroleum Development Resources Act** – Separate application to be submitted to the Department of Mineral Resources to seek approval for borrow pits that are required for the project.

If authorisation is necessary in terms of the National Environmental Management: Waste Act, please contact the Department for guidance on the **Integrated Permitting System**.

Note that in terms of sections 7B and 7C of the National Environmental Management: Integrated Coastal Management Act, 2008 (Act No. 24 of 2008) ICMA, a pre-approval for a reclamation application in terms of the ICMA should first be issued by the Minister prior to the submission of a NEMA Chapter 5 EA application to the NEMA competent authority (CA).

9. LIST OF APPENDICES

		SUBMITTED	
Appendix 1	Proof of Payment	N/A	
Appendix 2	Strategic Infrastructure Projects	YES	
Appendix 3	List of Local Municipalities (with contact details)	YES	
Appendix 4	List of land owners (with contact details) and written consent of land owners.	YES	
Appendix 5	List of SGIDs	YES	
Appendix 6	Project map	YES	
Appendix 7	Project schedule	YES	
Appendix 8	Declaration of Applicant	YES	
Appendix 9	Declaration of EAP and undertaking under oath or affirmation	YES	

APPENDIX 1
PROOF OF PAYMENT/ MOTIVATION FOR EXCLUSION

MOTIVATION FOR EXCLUSION

In terms of Regulation 2 of Government Notice No.141 (28 February 2014), the application is made by an organ of state, namely the national Department of Water and Sanitation.

APPENDIX 2 STRATEGIC INFRASTRUCTURE PROJECTS

<p>SIP 1: Unlocking the northern mineral belt with Waterberg as the catalyst</p> <ul style="list-style-type: none"> • Unlock mineral resources • Rail, water pipelines, energy generation and transmission infrastructure • Thousands of direct jobs across the areas unlocked • Urban development in Waterberg - first major post-apartheid new urban centre will be a "green" development project • Rail capacity to Mpumalanga and Richards Bay • Shift from road to rail in Mpumalanga • Logistics corridor to connect Mpumalanga and Gauteng. 	
<p>SIP 2: Durban-Free State-Gauteng logistics and industrial corridor</p> <ul style="list-style-type: none"> • Strengthen the logistics and transport corridor between SA's main industrial hubs • Improve access to Durban's export and import facilities • Integrate Free State Industrial Strategy activities into the corridor • New port in Durban • Aerotropolis around OR Tambo International Airport. 	
<p>SIP 3: South-Eastern node & corridor development</p> <ul style="list-style-type: none"> • New dam at Mzimvubu with irrigation systems • N2-Wild Coast Highway which improves access into KwaZulu-Natal and national supply chains • Strengthen economic development in Port Elizabeth through a manganese rail capacity from Northern Cape • A manganese sinter (Northern Cape) and smelter (Eastern Cape) • Possible Mthombo refinery (Coega) and transshipment hub at Ngqura and port and rail upgrades to improve industrial capacity and performance of the automotive sector. 	
<p>SIP 4: Unlocking the economic opportunities in North West Province</p> <ul style="list-style-type: none"> • Acceleration of investments in road, rail, bulk water, water treatment and transmission infrastructure • Enabling reliable supply and basic service delivery • Facilitate development of mining, agricultural activities and tourism opportunities • Open up beneficiation opportunities in North West Province. 	
<p>SIP 5: Saldanha-Northern Cape development corridor</p> <ul style="list-style-type: none"> • Integrated rail and port expansion • Back-of-port industrial capacity (including an IDZ) • Strengthening maritime support capacity for oil and gas along African West Coast • Expansion of iron ore mining production and beneficiation. 	
<p>SIP 6: Integrated municipal infrastructure project</p> <p>Develop national capacity to assist the 23 least resourced districts (19 million people) to address all the maintenance backlogs and upgrades required in water, electricity and sanitation bulk infrastructure. The road maintenance programme will enhance service delivery capacity thereby impacting positively on the population.</p>	
<p>SIP 7: Integrated urban space and public transport programme</p> <p>Coordinate planning and implementation of public transport, human settlement, economic and social infrastructure and location decisions into sustainable urban settlements connected by densified transport corridors. This will focus on the 12 largest urban centres of the country, including all the metros in South Africa. Significant work is underway on urban transport integration.</p>	
<p>SIP 8: Green energy in support of the South African economy</p>	

Support sustainable green energy initiatives on a national scale through a diverse range of clean energy options as envisaged in the Integrated Resource Plan (IRP2010) and support bio-fuel production facilities.

Indicate capacity in MW:

SIP 9: Electricity generation to support socioeconomic development

Accelerate the construction of new electricity generation capacity in accordance with the IRP2010 to meet the needs of the economy and address historical imbalances. Monitor implementation of major projects such as new power stations: Medupi, Kusile and Ingula.

Indicate capacity in MW:

SIP 10: Electricity transmission and distribution for all

Expand the transmission and distribution network to address historical imbalances, provide access to electricity for all and support economic development.

Align the 10-year transmission plan, the services backlog, the national broadband roll-out and the freight rail line development to leverage off regulatory approvals, supply chain and project development capacity.

SIP 11: Agri-logistics and rural infrastructure

Improve investment in agricultural and rural infrastructure that supports expansion of production and employment, small-scale farming and rural development, including facilities for storage (silos, fresh-produce facilities, packing houses); transport links to main networks (rural roads, branch train-line, ports), fencing of farms, irrigation schemes to poor areas, improved R&D on rural issues (including expansion of agricultural colleges), processing facilities (abattoirs, dairy infrastructure), aquaculture incubation schemes and rural tourism infrastructure.

SIP 12: Revitalisation of public hospitals and other health facilities

Build and refurbish hospitals, other public health facilities and revamp 122 nursing colleges. Extensive capital expenditure to prepare the public healthcare system to meet the requirements of the National Health Insurance (NHI) system. The SIP contains major builds for 6 hospitals.

SIP 13: National school build programme

A national school build programme driven by uniformity in planning, procurement, contract management and provision of basic services. Replace inappropriate school structures and address basic service backlog and provision of basic services under the Accelerated School Infrastructure Delivery Initiative (ASIDI). In addition, address national backlogs in classrooms, libraries, computer labs and admin buildings. Improving the learning environment will strengthen outcomes especially in rural schools, as well as reduce overcrowding.

SIP 14: Higher education infrastructure

Infrastructure development for higher education, focusing on lecture rooms, student accommodation, libraries and laboratories, as well as ICT connectivity. Development of university towns with a combination of facilities from residence, retail to recreation and transport. Potential to ensure shared infrastructure such as libraries by universities, FETs and other educational institutions. Two new universities will be built - in Northern Cape and Mpumalanga.

SIP 15: Expanding access to communication technology

Provide for broadband coverage to all households by 2020 by establishing core Points of Presence (POPs) in district municipalities, extend new Infraco fibre networks across provinces linking districts, establish POPs and fibre connectivity at local level, and further penetrate the network into deep rural areas.

While the private sector will invest in ICT infrastructure for urban and corporate networks, government will co-invest for township and rural access, as well as for e-government, school and health connectivity.

The school roll-out focus is initially on the 125 Dinaledi (science and maths-focussed) schools and 1525 district schools. Part of digital access to all South Africans includes TV migration nationally

from analogue to digital broadcasting.

SIP 16: SKA & Meerkat

SKA is a global mega-science project, building an advanced radio-telescope facility linked to research infrastructure and high-speed ICT capacity and provides an opportunity for Africa and South Africa to contribute towards global advanced science projects.

SIP 17: Regional integration for African cooperation and development

Participate in mutually beneficial infrastructure projects to unlock long-term socio-economic benefits by partnering with fast growing African economies with projected growth ranging between 3% and 10%.

The projects involving transport, water and energy also provide competitively-priced, diversified, short and medium to long-term options for the South African economy where, for example, electricity transmission in Mozambique (Cesul) could assist in providing cheap, clean power in the short-term whilst Grand Inga in the DRC is long-term.

All these projects complement the Free Trade Area (FTA) discussions to create a market of 600 million people in South, Central and East Africa.

SIP 18: Water and sanitation infrastructure

A 10-year plan to address the estimated backlog of adequate water to supply 1.4m households and 2.1m households to basic sanitation.

The project will involve provision of sustainable supply of water to meet social needs and support economic growth. Projects will provide for new infrastructure, rehabilitation and upgrading of existing infrastructure, as well as improve management of water infrastructure.

**APPENDIX 3 (IF APPLICABLE)
LIST OF LOCAL MUNICIPALITIES**

Local municipality

Contact person:

Postal address:

Postal code:

Telephone:

E-mail:

Waterberg District Municipality		
Pathu Siebe (Divisional Manager: Planning)		
Private Bag X1018, MODIMOLLE		
0510	Cell:	084 287 0467
014 718 3362	Fax:	086 622 5753
psiebe@waterberg.gov.za		

Local municipality

Contact person:

Postal address:

Postal code:

Telephone:

E-mail:

Thabazimbi Local Municipality		
MS Mabitsela (Manager Planning and Economic Development)		
Private Bag X530, THABAZIMBI		
0380	Cell:	
014 777 1525	Fax:	014 777 1531
mabitselams@thabazimbi.gov.za		

Local municipality

Contact person:

Postal address:

Postal code:

Telephone:

E-mail:

Lephalale Local Municipality		
Charity Raditabe (Acting Manager Development Planning)		
Private Bag X136, LEPHALALE		
0563	Cell:	071 640 8981
014 762 1570	Fax:	014 763 5662
Charity.Radipabe@lephalale.gov.za		

APPENDIX 4
LIST OF LAND OWNERS
WRITTEN CONSENT OF LAND OWNERS

According to Regulation 39(1) of GN No. R 982 of 4 December 2014 (as amended), if the proponent is not the owner or person in control of the land on which the activity is to be undertaken, the proponent must, before applying for an environmental authorisation in respect of such activity, obtain the written consent of the landowner or person in control of the land to undertake such activity on that land.

This requirement does not apply inter alia for linear developments (e.g. pipelines, power lines, roads) or if it is a SIP as contemplated in the Infrastructure Development Act, 2014. MCWAP-2A qualifies under SIP 1 and landowner consent is thus not required.

The properties that are directly affected by and adjacent to the proposed development are shown in Figures 4A – 4H and listed in Table 4A. Note that the Scoping Report will contain further details on the affected properties and landowners.



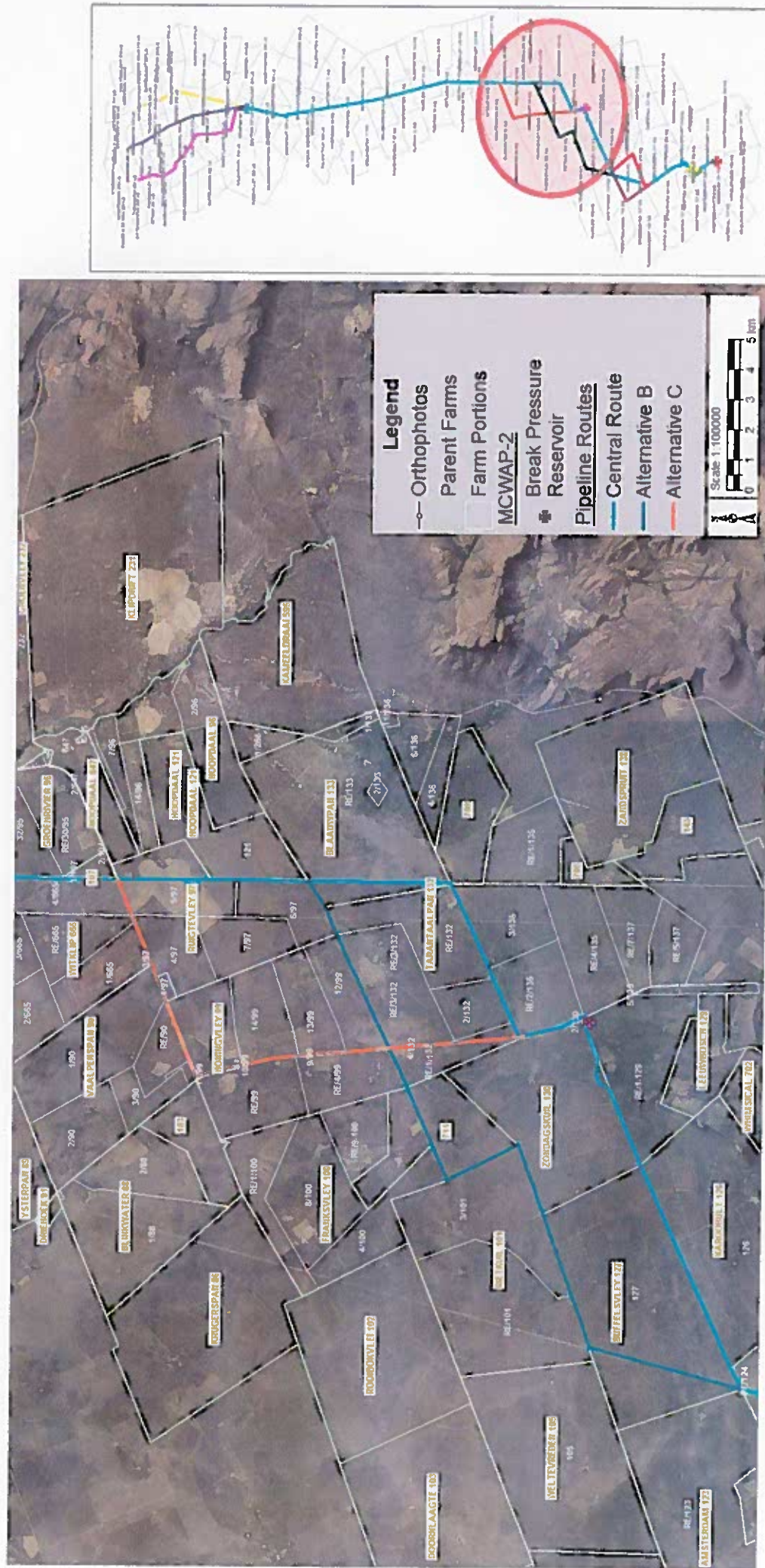


Figure 4B: Map 2 of properties that are directly affected by and adjacent to the proposed development



Figure 4C: Map 3 of properties that are directly affected by and adjacent to the proposed development





Figure 4E: Map 5 of properties that are directly affected by and adjacent to the proposed development

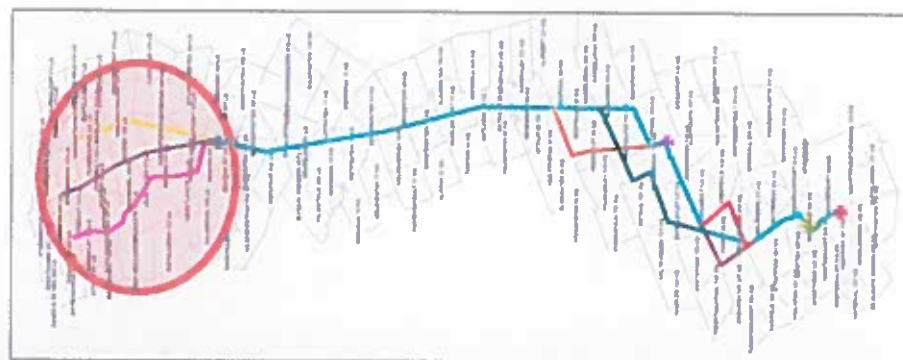




Figure 4F: Map 6 of properties that are directly affected by and adjacent to the Bierspruit Gauging Weir

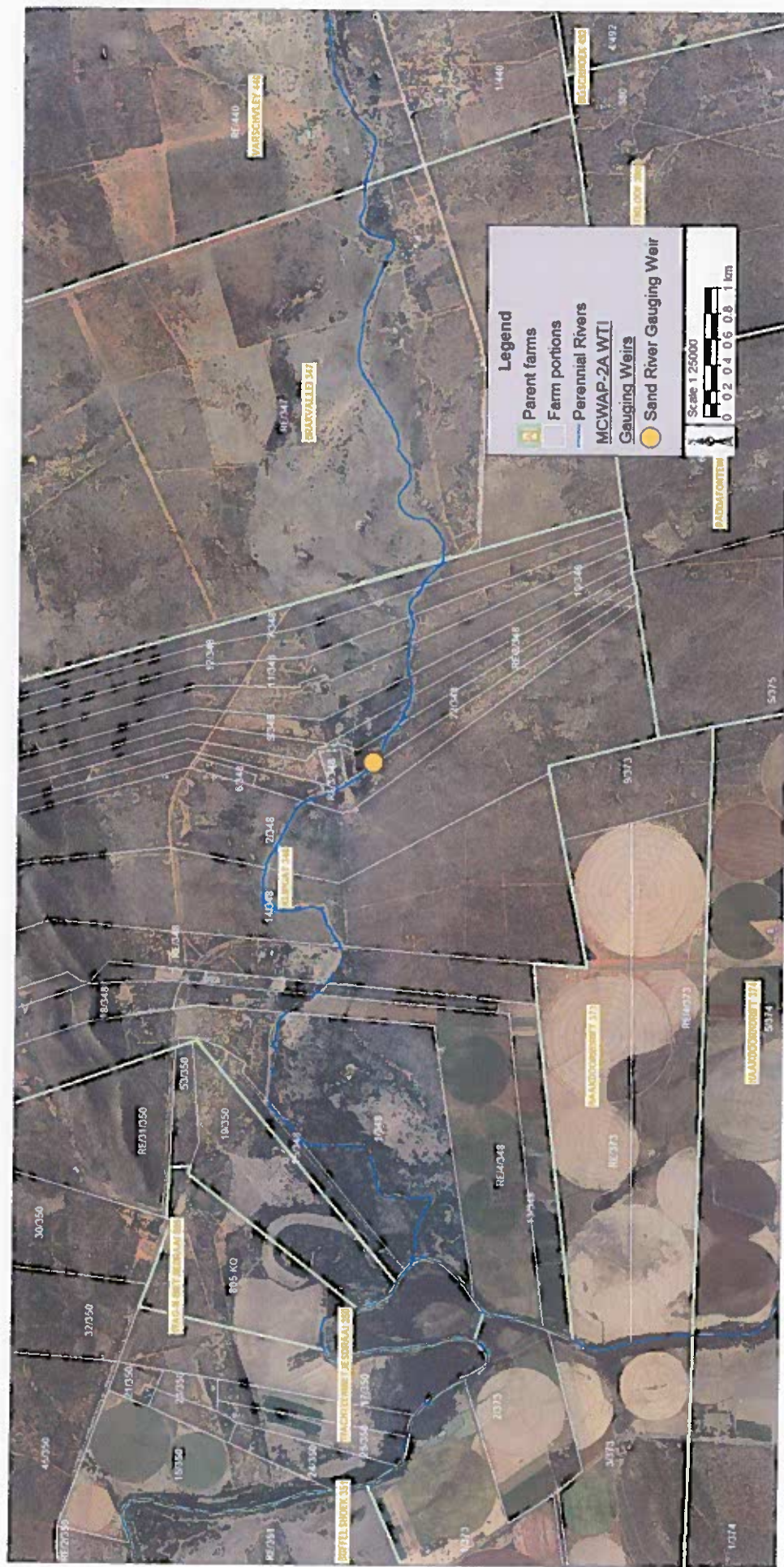


Figure 4G: Map 7 of properties that are directly affected by and adjacent to the Sand River Gauging Weir



Figure 4H: Map 8 of properties that are directly affected by and adjacent to the new Paul Hugo Gauging Weir

Table 4A: Properties that are directly affected by and adjacent to the proposed development

(D = directly affected; A = adjacent; AW = Abstraction Weir; BD = Balancing Dam; PI = pipeline; BPR = Break Pressure Reservoir; OR = Operational Reservoir; LI PS = Low-lift Pump Station; CR = Central Route; BGW = Bierspruit Gauging Weir; SGW = Sand River Gauging Weir; PHGW = Paul Hugo Gauging Weir)

AW & LI PS	BD	BPR	OR	PI CR	PI A1	PI A2	PI B	PI C	PI D1	PI D2	PI D3	BGW	SGW	PHGW	Farm Name	Portion	Owner
A															HANNOVER 629 KQ	RE	KOBUS VAN VUUREN
A															HANNOVER 629 KQ	3	JAN GROBLER
D															HANNOVER 341 KQ		PIET VAN RENSBURG
D				D											DONKERPOORT 344 KQ	10	KUMBA RESOURCES
D				D											MOOIVALEI 342 KQ	RE	KUMBA RESOURCES
				D											MOOIVALEI 342 KQ	10	GARY BOWER
				D											MOOIVALEI 342 KQ	9	THEUNIS CORNELIS WESSEL DE CLERCQ
				D											MOOIVALEI 342 KQ	8	NOLTE ROETS
				D											MOOIVALEI 342 KQ	7	MARE MARTHINUS CORNELIS
				D											MOOIVALEI 342 KQ	6	PIETER PAULEY
				D											MOOIVALEI 342 KQ	5	TONY IORIO
				D											MOOIVALEI 342 KQ	4	HERMANN JACOBUS GERHARDUS (KOBUS)
				D											MOOIVALEI 342 KQ	3	VAN DEN BERG TRUST (J.L. VAN DEN BERG)
	D			D											MOOIVALEI 342 KQ	2	VAN DEN BERG TRUST (J.L. VAN DEN BERG)
	D			D											MOOIVALEI 342 KQ	1	MARIUS COETZEE
				D											HAMPTON 320 KQ		THABATHOLO PTY LTD
				D											HAMPTON 320 KQ	1	LOUWMA BOERDERY/ LOURENS DU PLESSIS
															HAMPTON 320 KQ		FRAQR 103 PTY LTD (LOURENS DU PLESSIS)
				D		D									STRATFORD 462		THABATHOLO PTY LTD
				A											ROSSEAUPOORT 319 KQ		P W VAN SCHALKWYK PTY LTD (PIET)
				A											ROTTERDAM 312 KQ		A & E VAN REENEN TRUST
				D		A									MEKLENBERG 311 KQ		GIEL ERASMUS
				D		D									MECKLENBURG 310 KQ		JOHAN PRINSLOO
					D										BRIDGEWATER 307 KQ	R/307	THABATHOLO PTY LTD
					D										TARENTAALKRAAL 120 KQ	5	THABATHOLO PTY LTD
					D										TARENTAALKRAAL 120 KQ	11	THABATHOLO PTY LTD
					A										TARENTAALKRAAL 685 KQ		THABATHOLO PTY LTD
				D	D	D									PAARL 124 KQ	7	
				D	D										PAARL 124 KQ	6	MARETLA BOERDERY CC / DR. DAAN PIENAAR
				D	D	D									PAARL 124 KQ	RE	PAARL BEHERENDE BELEGGINGS PTY LTD
						D									PAARL 124 KQ	4	PEER MOLL
					D										AMSTERDAM 123 KQ		THABATHOLO PTY LTD
							A								WELTEVREDEN 105 KQ		INGE MOOLMAN TRUST
						A									THABA MOFELE 682 KQ		PROPADI CC
						D									KOEDOEVLEI 128 KQ	5	BARNARD HERMANUS NICOLAAS
						A									KOEDOEVLEI 128 KQ	RE	SASCO-SOUTH AFRICAN STEEL CO PTY LTD
						A									KOEDOEVLEI 128 KQ	2	ALEX MCCAIL
				A											KOEDOEVLEI 128 KQ	1	PRINSLOO CHRISTOFFEL JOHANNES CORNELIS
				D		D									KAROOBULT 126 KQ		PIETER VISSER
				D			D								BUFFELSVLEY 127 KQ		HANNES PRETORIUS
							D								RIETKUIL 101 KQ	RE	HANNES BLOEM

AW & LIPS	BD	BPR	OR	PI CR	PI A1	PI A2	PI B	PI C	PI D1	PI D2	PI D3	BGW	SGW	PHGW	Farm Name	Portion	Owner
							D								RIETKUIL 101 KQ	3	HANNES BLOEM
				A											LEEUBOSCH 129 KQ	RE	LF FOUCHE
		D		D											LEEUBOSCH 129 KQ	1	JOHAN COETZEE
							D								ZONDAGSKUIL 130 KQ	1	HANNES BLOEM
															ZONDAGSKUIL 711 KQ		X V X TRADE & INVEST PTY LTD (JOSEPH WILKINSON)
				A											DIEPKUIL 135 KQ	4	WILLIE DE SWART
				D				D							DIEPKUIL 135 KQ	2	WILLIE DE SWART
				D											DIEPKUIL 135 KQ	3	WILLIE DE SWART
				A											DIEPKUIL 135 KQ	1	DIRK FLORIS COETZEE
				D			D	D							TARANTAALPAN 132 KQ	1	NEDERDUITSCH HERVORMDE KERK VAN AFRIKA
				D											TARANTAALPAN 132 KQ	2	TARENTAALPAN TRUST: CAREL VOS
							D	D							TARANTAALPAN 132 KQ	3	TARENTAALPAN TRUST: CAREL VOS
				D											TARANTAALPAN 132 KQ	RE	BOTHA CORNELIA JOHANNA PETRONELLA
				A											DUIKERSPAN 136 KQ	2	
				A											DUIKERSPAN 136 KQ	4	
				D			D								BLAAUWPAN 133 KQ	RE	DANECO TRUST/ DANA SMIT
							D								FRANKSVLEY 100 KQ	4	HANNES BLOEM
							D								FRANKSVLEY 100 KQ	RE	HENNIE ALBERTS (BLUE SANDS)
							A	A							FRANKSVLEY 100 KQ	9	HENNIE ALBERTS (BLUE SANDS)
							D	D							HONINGVLEY 99 KQ	4	VICVA INV & TRADING 62 PTY LTD (JAN GRIMES)
								D							HONINGVLEY 99 KQ	RE	
															HONINGVLEY 99 KQ	12	E & L TRUST
															HONINGVLEY 99 KQ	13	FRANSMAR TRUST (FRANCOIS VAN DER WALT)
															HONINGVLEY 99 KQ	14	ZJH VAN DER WALT
								A							BLINKWATER 183		
								A							VAALPENSPAN 90 KQ	3	ALETTA SOPHIA/ DASSONVILLE
								D							VAALPENSPAN 90 KQ	4	ALETTA SOPHIA/ DASSONVILLE
								D							VAALPENSPAN 90 KQ	RE	ALETTA SOPHIA/ DASSONVILLE
								D							VAALPENSPAN 90 KQ	1	DERICK REINHARDT
								D							RUIGTEVLEY 97 KQ	1	RUIGTEVLEI TRUST
								D							RUIGTEVLEY 97 KQ	4	DR TINUS BENADE
				D											RUIGTEVLEY 97 KQ	5	
				D			D								RUIGTEVLEY 97 KQ	6	
				A			A	A							RUIGTEVLEY 97 KQ	7	JAKOBSEN & KRUGER ENGINEERING CC
				D											HOOPDAAL 121 KQ	0	C C G 108 INV PTY LTD
				A											HOOPDAAL 647 KQ		C C G 108 INV PTY LTD
				A											HOOPDAAL 96 KQ	7	C C G 108 INV PTY LTD
				A											HOOPDAAL 96 KQ	14	C C G 108 INV PTY LTD
								D							WITKLIP 665 KQ	RE	JAN RAS
								D							WITKLIP 665 KQ	1	MR POGENPOEL
				D				D							WITKLIP 665 KQ	4	PN JORDAAN
				A				A							WITKLIP 665 KQ	3	JAN RAS
				A				A							WITKLIP 107 KQ	1	WJJ STEVENS

AW & LIPS	BD	BPR	OR	PI CR	PI A1	PI A2	PI B	PI C	PI D1	PI D2	PI D3	BGW	SGW	PHGW	Farm Name	Portion	Owner
				A											GROENRIVIER 95 KQ	30	TJ DU PREEZ
				A											GROENRIVIER 95 KQ	32	TJ DU PREEZ
				A											GROENRIVIER 95 KQ	35	TJ DU PREEZ
				A											GROENRIVIER 95 KQ	33	TJ DU PREEZ
				D											GROENRIVIER 95 KQ	37	TJ DU PREEZ
				D											MATSULAN 98 KQ	RE	MR. T. REYNECKE
				A											KALABASPAN 92 KQ	1	HENNIE STANDER TRUST
				D											MATLABAS 94 KQ		MR. T. REYNECKE
				D											HAARLEM OOST 51 KQ	RE	MARITZ FREDERICK COENRAAD
				D											HAARLEM OOST 51 KQ	16	KEVIN MYLES
				A											HAARLEM OOST 51 KQ	15	E SONNTAG
				A											HAARLEM OOST 51 KQ	13	HALOCURE PTY LTD – HAROLD PRINSLOO
				D											GROOTFONTEIN 50 KQ	RE	MATLABAS MANZI SAFARIS PTY LTD
				D											GROOTFONTEIN 50 KQ	1	MATLABAS MANZI SAFARIS PTY LTD
				D											WELGEVONDEN 16 KQ	1	MATLABAS MANZI SAFARIS PTY LTD
				D											WELGEVONDEN 16 KQ	RE	MATLABAS MANZI SAFARIS PTY LTD
				D											WELGEVONDEN 16 KQ	2	HALOCURE PTY LTD – HAROLD PRINSLOO
				A											WELGEVONDEN 16 KQ	7	MOSTERT RENIER
				D											WELGEVONDEN 16 KQ	9	BESTEF TRADING & INV PTY LTD
				A											WELGEVONDEN 16 KQ	6	HALOCURE PTY LTD – HAROLD PRINSLOO
				D											WELGEVONDEN 16 KQ	5	HALOCURE PTY LTD – HAROLD PRINSLOO
				A											COLCHESTER 17 KQ	1	COLCHESTER MOTHABATSE CPA
															COLCHESTER 17 KQ	2	COLCHESTER MOTHABATSE CPA
				A											SCHOONWATER 14 KQ	RE	HALOCURE PTY LTD – HAROLD PRINSLOO
				A											SCHOONWATER 14 KQ	2	HALOCURE PTY LTD – HAROLD PRINSLOO
				D											SCHOONWATER 14 KQ	1	HALOCURE PTY LTD – HAROLD PRINSLOO
				D											RIETFONTEIN 15 KQ		C G N B BOERDERY BELEGGINGS PTY LTD (PIETER BOTHMA)
															RIETFONTEIN 15 –	KQ 1/15	SEACREST INV 116 PTY LTD
				A											INKERMANN 819 KQ	RE	BADENKOP BOERDERY PTY LTD (A BADENHORST)
				D											RIETFONTEIN 820 KQ	RE	C G N B BOERDERY BELEGGINGS PTY LTD
				A											INKERMANN 10 KQ	1	C G N B BOERDERY BELEGGINGS PTY LTD
				D											INKERMANN 10 KQ	3	C G N B BOERDERY BELEGGINGS PTY LTD
				D											GROENLAND 397 LQ	2	C G N B BOERDERY BELEGGINGS PTY LTD
				A											GROENLAND 397 LQ	3	BADENKOP BOERDERY PTY LTD (A BADENHORST)
				D											MABULSKOP 406 LQ	0	MABULSKOP BOERDERY SHARE BLOCK PTY LTD
				A											MOHODIRI 401 LQ	0	KOEDOE-ORE PTY LTD
				D											DIEPSPRUIT 386 LQ	0	VUUREN ABRAHAM JOHANNES JANSEN VAN
				A											MODDERFONTEIN 385 LQ	2	
				D											ZANDFONTEIN 382 LQ	2	GAWIE DU PREEZ
				D											ZANDFONTEIN 382 LQ	1	JOHN HARDING

AW & LIPS	BD	BPR	OR	PI CR	PI A1	PI A2	PI B	PI C	PI D1	PI D2	PI D3	BGW	SGW	PHGW	Farm Name	Portion	Owner
				A											ZANDFONTEIN 382 LQ	RE	GAMOTHAKA GAME RANCH PTY LTD (JOHN HARDING)
			A	A											KLIPKLOOF 365 LQ	RE	CASTRO VIRGILIO VIEIRA DE
			A					A	A						KLIPKLOOF 365 LQ	2	
			D	D							D				ROOIPAN 357 LQ	4	ROOIPAN FAMILIE TRUST – JULIUS ERASMUS
				D											ROOIPAN 357 LQ	RE	KOEKEMOER HENDRIK LOURENS MARTINUS / ENGELBRECHT
									D	D	D				ROOIPAN 355 LQ	2	ENGELA PETRONELLA / FRANCOIS ABRAHAM KEMP
											D				ROOIPAN 355 LQ	RE	MOUNT KAYA INV PTY LTD (MARIUS BARNARD)
											D				ROOIPAN 355 LQ	1	MARIUS BARNARD
											D				ROOIPAN 357 LQ	1	ESKOM HOLDINGS LTD – MICHAEL TAFFA
											D				ROOIPAN 357 LQ	5	ENGELA PETRONELLA / FRANCOIS ABRAHAM KEMP
											D				GROOTLAAGTE 354 LQ	RE	WAAL JEANETTE CECILIA DE
											A				GROOTLAAGTE 354 LQ	1	BRONWILL
											D				LELIEFONTEIN 672 LQ	RE	DEYSEL HENDRIK CORNELIUS
										D	D				LELIEFONTEIN 672 LQ	1	PIETER BOTHA
										D	D				ZANDHEUVEL 356 LQ	3	ALTA STEENKAMP
										D	D				ZANDHEUVEL 356 LQ	RE	GREYLING PETRUS JOHANNES
										D	D				ZANDHEUVEL 356 LQ	1	GREYLING PETRUS JOHANNES
										D					DOORNLAAGTE 353 LQ	RE	HARDUS STEENKAMP
										D					SCHULDPADFONTEIN 328 LQ	2	FULL OUTPUT 28 PTY LTD/ MR. GERRIT FOURIE
										D					SCHULDPADFONTEIN 328 LQ	RE	JOHN CONRADIE
										D					SCHULDPADFONTEIN 328 LQ	1	HENNIE SMITH
										A					PYPAN 326 LQ	0	GONCALVES MANUEL ANSELMO DA SILVA
										D					PAARDEVLEY 329 LQ	1	HENNIE ENGELBRECHT
										A					PAARDEVLEY 329 LQ	RE	SUMMERLANE TRADING 324 CC
										A					TOEZICHT 323	RE	VENTER JACOBUS JEREMIA
									A						TOEZICHT 323	1	TOEZICHT TRUST
									D						TOEZICHT 323	2	J.F. (BOET) VAN DEN MERWE
										D					THEUNISPAN 293 LQ	11	EXXARO COAL PTY LTD
										D					THEUNISPAN 293 LQ	23	PHOMOLONG COMMUNITY TRUST
										A					THEUNISPAN 293 LQ	2	LEPHALE LOCAL MUNICIPALITY
										A					THEUNISPAN 293 LQ	10	NG KERK STEENBOKPAN
										A					THEUNISPAN 293 LQ	19	AMBER SUNRISE PROP 96 PTY LTD
										A					THEUNISPAN 293 LQ	8	MARIUS NIEWOUDT (DEVELOPER)
										A					THEUNISPAN 293 LQ	12	STEENBOKPAN BOEREVERENIGING (T STEENKAMP)
										A					THEUNISPAN 683 LQ	0	MTINYANI BOERDERY PTY LTD
										A					THEUNISPAN 293 LQ	25	HENRY LE ROUX
										A					THEUNISPAN 293 LQ	9	TONIE VAN WYK
									D	D					NAAUWPOORT 363 LQ	0	PEET DE BRUIN
									D						RHENOSTERPAN 361 LQ	5	BEER JOHAN HENDRIK BAKEN MEYER DE
									D	D					RHENOSTERPAN 361 LQ	2	ARNOLD JACQUE STEPHEN

AW & LIPS	BD	BPR	OR	PI CR	PI A1	PI A2	PI B	PI C	PI D1	PI D2	PI D3	BGW	SGW	PHGW	Farm Name	Portion	Owner
									D						RHENOSTERPAN 361 LQ	RE	AARDE MARTHINUS JACOBUS VAN
									D						RHENOSTERPAN 361 LQ	4	GRUNDLINGH JOHANNES PETRUS
										D					RHENOSTERPAN 361 LQ	3	MARIUS BARNARD
									D						RHENOSTERPAN 361 LQ	1	KALAMAHALA RANCHES CC
									D	D					RHENOSTERPAN 361 LQ	6	MARIUS BARNARD
									A						RIETFONTEIN 360 LQ	RE	AARDE JOHANNES JACOBUS CHRISTOFFEL VAN
									A						RIETFONTEIN 360 LQ	3	
									A						RIETFONTEIN 360 LQ	1	TOPAZ SKY TRADING 103 PTY LTD
										D					ZANDNEK 358 LQ	RE	ESKOM HOLDINGS LTD – MICHAEL TAFFA
									D						ZANDNEK 358 LQ	1	PIQUETBERG BOERDERY PTY LTD
									A						ZANDNEK 358 LQ	2	H J L HILLS BOERDERY CC/ HENDRY HILLS
									A						GEELHOUTSKLOOF 359 LQ	1	H J L HILLS BOERDERY CC/ HENDRY HILLS
									D						ENKELDRAAI 314 LQ	0	SAUER JOHANNES JACOBUS
									D						TAAIBOSCHPAN 320 LQ	0	PROF. J.H. MEIRING (TAAIBOSCHPAN LANDGOED BK)
									D						PONTES ESTATES 712 LQ	0	RESGEN SOUTH AFRICA PTY LTD
									D						LOOPLEEGTE 302 LQ	0	RESGEN SOUTH AFRICA PTY LTD
										D					MINNAARSPAN 322 LQ	0	ALLEN PUGH (FARM MANAGER)
										D					MOOIPAN 325 LQ	0	HEIN BOEGMAN & FRIK BOTHA
										D					ZYFERBULT 324 LQ	RE	HEIN BOEGMAN & FRIK BOTHA
										A					ZYFERBULT 324 LQ	2	DE BOVENEINDE NATUURRESERVAAT CC
									A	A					ZYFERBULT 324 LQ	1	JAEI FAMILIETRUST
										D					VANGPAN 294 LQ	RE	RESGEN SOUTH AFRICA PTY LTD
										A	A				VANGPAN 294 LQ	1	PELSER SUSANNA MARIA
										A					ZANDBULT 300 LQ	0	RESGEN SOUTH AFRICA PTY LTD
												D			GROOTFONTEIN 352 KQ	0	To be confirmed
													D		KLIPGAT 348 KQ	22	HEILA RICHARDSON
													D		KLIPGAT 348 KQ	3 RE	LAMBERTUS NICOLAAS HERMANUS DE WET
													D		HAAKDOORNDRIFT 373 KQ	3	ALFALFA TRUST
													D		HAAKDOORNDRIFT 373 KQ	0	LOUMA TRUST
													A		KLIPGAT 348 KQ	13	BETHEL FARM CC

B. COPY OF NOTIFICATION LETTER SENT TO LANDOWNERS



147 Bram Fischer Drive
FERNDAL
2194

P.O. Box 1673
SUNNINGHILL
2157

Tel: 011 781 1730
Fax: 011 781 1731
Email: info@nema.co.za

Our Reference: 10580/LandownerNotification

16 May 2016

PROPOSED MOKOLO CROCODILE (WEST) WATER AUGMENTATION PROJECT PHASE 2: WATER TRANSFER INFRASTRUCTURE & BULK POWER SUPPLY – LANDOWNER NOTIFICATION

Dear Sir / Madam

This serves to notify you, as a potentially affected landowner, of the proposed Water Transfer Infrastructure and Bulk Power Supply associated with the Mokolo Crocodile Water Augmentation Project Phase 2 (MCWAP-2).

This notice is given in terms of the following:

- The Environmental Impact Assessment (EIA) Regulations (Government Notice No. R. 982 of 4 December 2014), in terms of the National Environmental Management Act (Act No. 107 of 1998); and
- The National Water Act (Act No. 36 of 1998).

A. PROJECT BACKGROUND

Major developments are planned for the Waterberg coalfields that are located in the Lephalale area, Limpopo Province. These developments include inter alia the new Medupi Power Station, development of possible further power stations, extension of the Grootegeuk mining operations and further coal mines, possible petrochemical industries, possible exploitation of gas, and accelerated growth in the population in the area with associated settlement and urban development.

As a direct result of the aforementioned developments, the demand for water in the Lephalale area will significantly increase over the next 20 years. Due to the limited availability of water in the area, the Department of Water and Sanitation (DWS) conducted a feasibility study of the Mokolo Crocodile (West) Water Augmentation Project (MCWAP) to establish how the future water demands could be met. The phases of the proposed project include:

- MCWAP Phase 1 (MCWAP-1): Augment the supply from Mokolo Dam to supply in the growing water use requirement for the interim period until a transfer pipeline from the Crocodile River West can be implemented. The solution must over the long term optimally utilise the full yield from Mokolo Dam and will be operated as a system together with MCWAP-2 when the latter is completed. Phase 1 is operational since June 2015; and
- MCWAP-2: Transfer water from the Crocodile River (West) to the Steenbokpan and Lephalale areas. Phase 2 is the focus of this document.

MCWAP-2 consists of the following components:

- Water Transfer Infrastructure (main topic of this letter), which entails the transfer of water from the Crocodile River to Lephalale;
- Bulk Power Supply;
- Borrow Pits; and
- River Management System to manage abstractions from, and the river flow in, the Crocodile River (West) between Hartbeespoort Dam and Vlieëpoort Weir as well as the Moretele River from Klipvoor Dam to the confluence with the Crocodile River (West), and also the required flow past Vlieëpoort.

The main infrastructure associated with the MCWAP-2 Water Transfer Infrastructure includes the following:

1. Vlieëpoort abstraction weir and pump station;
2. Low lift rising main;
3. Balancing dams and desilting works;
4. High-lift pump station;
5. High-lift rising main;
6. Break pressure reservoir;
7. Gravity pipeline;
8. Operational reservoir; and
9. Gravity pipeline.

Refer to the attached Background Information Document for further information pertaining to the project. A map is also attached which shows the footprint of MCWAP-2 in relation to your property.

B. ENVIRONMENTAL IMPACT ASSESSMENT & LANDOWNER NOTIFICATION

1) Environmental Legal Framework

The key pieces of legislation and the associated environmental assessments for MCWAP-2 are listed in Table 1. A comprehensive legal framework will be included in the Scoping and EIA Reports, which will also include legislation related to specific environmental features (e.g. heritage and cultural resources, protected fauna and flora species, etc.).

Table 1: Environmental legislation and associated assessments for MCWAP-2

	MCWAP-2 Component	NEMA ¹	MPRDA ²	NWA ³
1	Water Transfer Infrastructure	Scoping & EIA	-	Water Use Authorisation Process
2	Bulk Power Supply	Basic Assessment	-	
3	Borrow Pits	Scoping & EIA		
4	River Management System	Multiple Applications	-	

1 - National Environmental Management Act (No. 107 of 1998)

2 - Mineral and Petroleum Resources Development Act (Act No. 28 of 2002)

3 - National Water Act (No. 36 of 1998)

Nemal Consulting was appointed by DWS to act as the Environmental Assessment Practitioner (EAP) to undertake the requisite EIA process for the project, in accordance with Government Notice No. R. 982 of 4 December 2014. In terms of NEMA, the lead decision-making authority for the environmental assessment is the Department of Environmental Affairs (DEA) as the project proponent (DWS) is a national department.

2) Water Transfer Infrastructure – Scoping & EIA

The proposed Water Transfer Infrastructure trigger certain activities listed in Government Notice No. R. 983, R. 984 and R. 985 of 4 December 2014, which require environmental authorisation in terms of the EIA Regulations of 2014 that were promulgated in terms of NEMA.

Based on the listed activities triggered by the Water Transfer Infrastructure, the requisite process to be conducted is a Scoping and EIA process.

3) Bulk Power Supply – Basic Assessment

The proposed Bulk Power Supply project triggers certain activities listed in Government Notice No. R. 983 and R. 985 of 4 December 2014, which require environmental authorisation in terms of the EIA Regulations of 2014 that were promulgated in terms of NEMA.

Based on the types of activities triggered by the Bulk Power Supply, the requisite process to be conducted is a Basic Assessment.

4) Public Participation

As part of the EIA, public participation will be conducted which will serve the following purposes:

1. To provide Interested and Affected Parties (I&APs) with an opportunity to obtain information about the project;
2. To allow I&APs to express their views, issues and concerns with regard to the project;
3. To grant I&APs an opportunity to recommend measures to avoid or reduce adverse impacts and enhance positive impacts associated with the project; and
4. To enable DWS and the project team to incorporate the needs, concerns and recommendations of I&APs into the project, where feasible.

This notification, which forms part of the EIA public participation process, is provided in accordance with Regulation 41(2)(b) of Government Notice No. R. 982, which requires that the EAP provides written notice to (amongst others):

- (i) The occupiers of the site and, if the proponent or applicant is not the owner or person in control of the site on which the activity is to be undertaken, the owner or person in control of the site where the activity is or is to be undertaken or to any alternative site where the activity is to be undertaken; and
- (ii) Owners, persons in control of, and occupiers of land adjacent to the site where the activity is or is to be undertaken or to any alternative site where the activity is to be undertaken.

5) Access to Land

During the EIA process access may be required to land for the following purposes:

- Placing notices associated with public participation;
- Engaging with the affected landowners;
- Assessing the receiving environment, which includes fieldwork by the project team (including specialist studies).

Project team members will not enter private or occupied communal land without prior permission. As a minimum, any formal protocols that exist for accessing farms will be abided by. When requesting access to land, the following information will be provided to the landowner:

- Purpose of the required access;
- Number of people for which access is required;
- Date on which access is required; and
- Estimated timeframe for which access is required.

In addition, the following provisions in the National Water Act (Act No. 36 of 1998) will also apply:

- **Section 124 (Appointment of authorised persons) -**
 - (1) *The Minister or a water management institution may, in writing, appoint any suitable person as an authorised person to perform the functions contemplated in section 125(1), (2) and (3).*
 - (2) *An authorised person must be provided with a certificate of appointment signed by or on behalf of the Minister or a water management institution in which the nature of the authorised person's functions is described.*
- **Section 125 (Powers and duties of authorised persons) -**
 - (2) *An authorised person may enter a property with the necessary persons, vehicles, equipment and material -*
 - (a) *after giving reasonable notice to the owner or occupier of the property, which notice must state the purpose of the proposed entry; and*
 - (b)(iii) *after obtaining the consent of the owner or occupier of that property, in order to establish the suitability of any water resource or site for constructing a waterwork.*

We kindly request that the attached Acknowledgement Form be completed and provided to Nema Consulting as proof of this notification.

We will keep you posted as the EIA process unfolds. Please contact the undersigned for any queries.

Yours faithfully
Nema Consulting C.C.



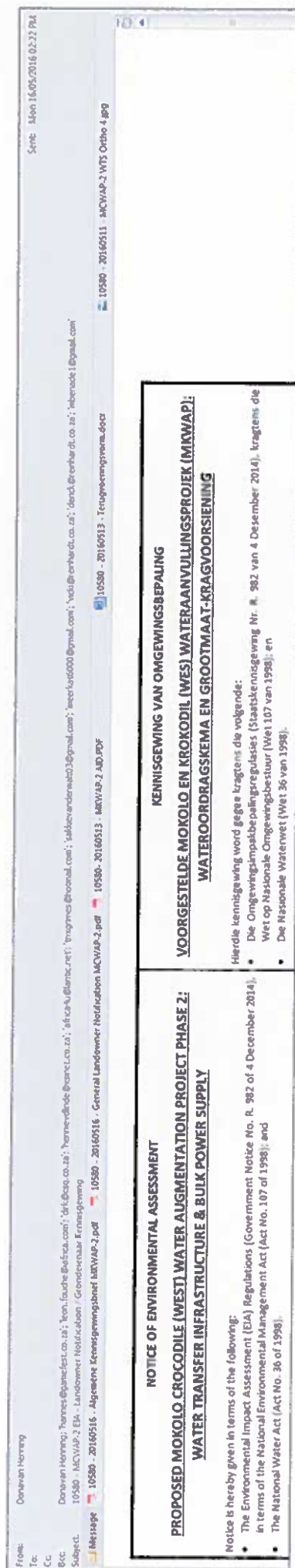
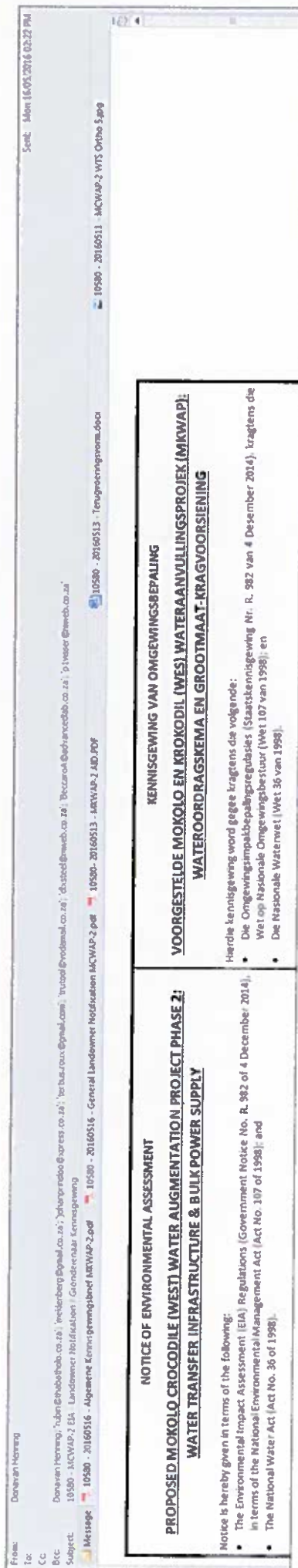
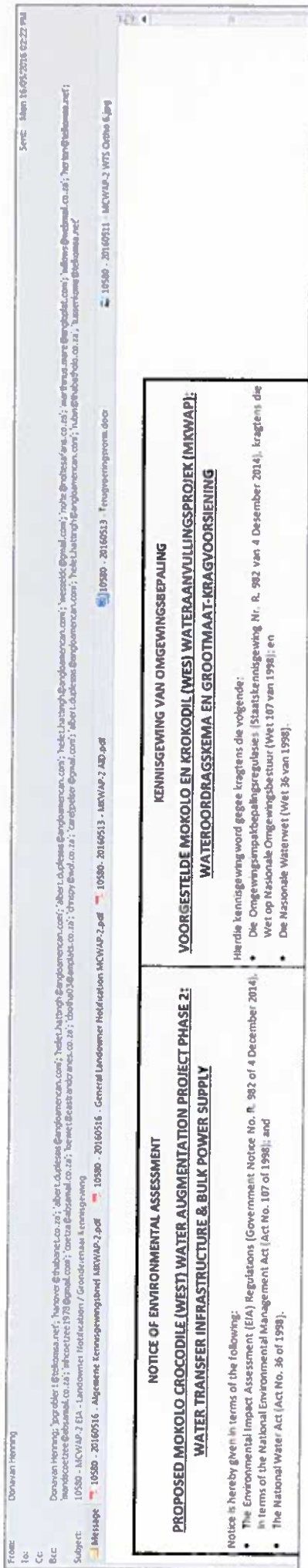
Donovan Henning
Environmental Assessment Practitioner

C. PROOF OF NOTIFICATION OF LANDOWNERS - DIRECTLY AFFECTED & ADJACENT PROPERTIES

Note that due to the linear nature of the water transfer scheme, which is approximately 130 km in length, there are a large number of properties that are directly affected by or adjacent to the proposed project footprint. Hence, there are still some properties for which the landowners' details need to be confirmed to allow for notification. This will continue to take place during the Scoping Phase.

Proof of notification of landowners where contact details were available is provided below.

1) Proof of Notification via Emails



[illegible]

Message 10580 - 20160516 - Allgemeine Kenntnisengrundriß LKW/AP-2.pdf 10580 - 20160516 - General Landowner Notification LKW/AP-2.pdf 10580 - 20160513 - LKW/AP-2 AD PDF

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NOTICE OF ENVIRONMENTAL ASSESSMENT

PROPOSED MOKOLO CROCODILE (WEST) WATER AUGMENTATION PROJECT PHASE 2:
WATER TRANSFER INFRASTRUCTURE & BULK POWER SUPPLY

Notice is hereby given in terms of the following:

- The Environmental Impact Assessment (EIA) Regulations (Government Notice No. R. 982 of 4 December 2014), in terms of the National Environmental Management Act (Act No. 107 of 1998); and
- The National Water Act (Act No. 36 of 1998).

KENNISGEWING VAN OMGEWINGSBEPALING

**VOORGESTELDE MOKOLO EN KROKODIL (WES) WATERAANVULLINGSPROJEK (MKWAP):
WATEROORDRAGSKEMA EN GROOTMAAT-KRAGVOORSIENING**

Hierdie kennisgewing word gegee kragtens die volgende:

- Die Omgevingsinplaatbepalingsregulasie (Staatsinnsigewing Nr. R. 982 van 4 Desember 2014), kragtens die Wet op Nasionale Omgewingsbestuur (Wet 107 van 1998); en
Die Nasionale Waterwet (Wet 36 van 1998).

From: [Doravani Verrina](#)
Sent: Mon, 16 Oct 2018 07:22:14

[illegible]

Besitzung 10580 - 20160516 - Allgemeine Kennenlernübung MCWAP_2.pdf 10580 - 20160516 - General Landowner Notification MCWAP_2.pdf 10580 - 20160517 - NEWIAP_2 AND PDF

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NOTICE OF ENVIRONMENTAL ASSESSMENT

**PROPOSED MOKOLO CROCODILE (WEST) WATER AUGMENTATION PROJECT PHASE 2:
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KENNISGEWING VAN OMGEVINGSBEPALING

**VOORGESTELDE MOKOLO EN KROKODIL (WES) WATERAANVULLINGSPROJEK (MIKWAP):
WATEROORDRAGSKEMA EN GROOTMAAT-KRAGVOORSIENING**

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- Die Omgevingscampakbepalingsregulasies (Staatskenningsgewing Nr. R. 982 van 4 Desember 2014), kragtens die Wet op Nasionale Omgewingsbeheer (Wet 107 van 1998); en
Die Nasionale Waterwet (Wet 36 van 1998).

Sent: Mon 16/05/2016 02:27 PM

DATE: January 11, 1961

10550 - M/CWAP-2 DIA Landowner Notification / Grantee/maile Terms/signing
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NOTICE OF ENVIRONMENTAL ASSESSMENT

PROPOSED MOKOLO CROCODILE (WEST) WATER AUGMENTATION PROJECT PHASE 2:
WATER TRANSFER INFRASTRUCTURE & BULK POWER SUPPLY

Notice is hereby given in terms of the following:

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KENNISGEWING VAN OMGEWINGSBEPALING

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WATEROORDRAGSKEMA EN GROOTMAAT-KRAGVOORSIENING**

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Die Nasionale Waterwet (Wet 36 van 1998).

From: Doran van Herwing
To: Gy@nema.co.za
Cc: Gy@nema.co.za
Subject: 10580 - MCWAP-2 EIA - Landowner Notification / Grondseer Eiensigvering
Message 10580 - 20160516 - Algemeen Kennisgewingsbrief MKWAP-2.pdf 10580 - 20160516 - General Landowner Notification MKWAP-2.pdf 10580 - 20160513 - MCWAP-2 AID.PDF

10580 - 20160511 - MCWAP-2 WTS Ordeho 1.pdf

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10580 - 20160511 - MCWAP-2 WTS Ordeho 1.pdf

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10580 - 20160511 - MCWAP-2 WTS Ordeho 1.pdf

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- Die Nasionale Waterwet (Wet 36 van 1998).

51

From: Donavan Henning
To: Harris@unisa.co.za
Cc: 10580 - MCWAP-2 EIA - Landowner Notification / Grondteenaar Kennisgewing
Subject: 10580 - 20160516 - Algemene Kennisgewingsbrief MKWAP-2.pdf
Message 10580 - 20160516 - General Landowner Notification MKWAP-2.pdf 10580 - 20160516 - MCWAP-2 ADJ.PDF 10580 - 20160513 - Terugvoeringstroom.docx

10580 - 20160513 - Terugvoeringstroom.docx

NOTICE OF ENVIRONMENTAL ASSESSMENT

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- Die Nasionale Waterwet (Wet 36 van 1998).

From: Donavan Henning
To: josh@waterandlaw.co.za
Cc: 10580 - MCWAP-2 EIA - Landowner Notification / Grondteenaar Kennisgewing
Subject: 10580 - 20160516 - Algemene Kennisgewingsbrief MKWAP-2.pdf
Message 10580 - 20160516 - General Landowner Notification MKWAP-2.pdf 10580 - 20160513 - Terugvoeringstroom.docx

10580 - 20160513 - Terugvoeringstroom.docx

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WATEROORDRAGSKEMA EN GROOTMAAT-KRAGVOORSIENING

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- Die Nasionale Waterwet (Wet 36 van 1998).

From: Donavan Henning
To: valdeswar@telkomia.net
Cc: 10580 - MCWAP-2 EIA - Landowner Notification / Grondteenaar Kennisgewing
Subject: 10580 - 20160516 - Algemene Kennisgewingsbrief MKWAP-2.pdf
Message 10580 - 20160516 - General Landowner Notification MKWAP-2.pdf 10580 - 20160513 - Terugvoeringstroom.docx

10580 - 20160513 - Terugvoeringstroom.docx

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VOORGESTELDE MOKOLO EN KROKODIL (WES) WATERAANVULINGSPROEJ (MKWAP):
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- Die Nasionale Waterwet (Wet 36 van 1998).

From: Dorcas van Hemming
To: buffalocrest@bushmail.co.za
Cc: 10580 - MKVAP-2 EIA - Landowner Notification / Grondemrmer Kennisgewing
Subject: 10580 - 20160516 - Algemene Kennisgewingsbrief MKVAP-2.pdf
Message 10580 - 20160516 - Algemene Kennisgewingsbrief MKVAP-2.pdf
Sent: Fri 20/05/2016 11:52 AM

10580 - 20160513 - Terugvoetspoorm.docx
10580 - 20160513 - MKVAP-2 AID.pdf
10580 - 20160513 - MKVAP-2 AID.pdf

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WATEROORDRAGSKEMA EN GROOTMAAT-KRAGVOORSIENING

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From: Dorcas van Hemming
To: buffalocrest@bushmail.co.za
Cc: 10580 - MKVAP-2 EIA - Landowner Notification / Grondemrmer Kennisgewing
Subject: 10580 - 20160516 - Algemene Kennisgewingsbrief MKVAP-2.pdf
Message 10580 - 20160516 - Algemene Kennisgewingsbrief MKVAP-2.pdf
Sent: Mon 23/05/2016 09:38 AM

10580 - 20160513 - Terugvoetspoorm.docx
10580 - 20160513 - MKVAP-2 AID.pdf
10580 - 20160513 - MKVAP-2 AID.pdf

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WATEROORDRAGSKEMA EN GROOTMAAT-KRAGVOORSIENING

Hierdie kennisgewing word gegee kragtens die volgende:

- Die Omgevingsimpakbeoordelingsregulasies (Staatskennisgewing Nr. R. 982 van 4 Desember 2014), kragtens die Wet op Nasionale Omgewingsbestuur (Wet 107 van 1998); en
- Die Nasionale Waterwet (Wet 36 van 1998).

From: Dorcas van Hemming
To: buffalocrest@bushmail.co.za
Cc: 10580 - MKVAP-2 EIA - Landowner Notification / Grondemrmer Kennisgewing
Subject: 10580 - 20160516 - Algemene Kennisgewingsbrief MKVAP-2.pdf
Message 10580 - 20160516 - Algemene Kennisgewingsbrief MKVAP-2.pdf
Sent: 16 May 2016 02:22 PM

10580 - 20160513 - Terugvoetspoorm.docx
10580 - 20160513 - MKVAP-2 AID.pdf
10580 - 20160513 - MKVAP-2 AID.pdf

NOTICE OF ENVIRONMENTAL ASSESSMENT
PROPOSED MOKOLO CROCODILE (WEST) WATER AUGMENTATION PROJECT PHASE 2:
WATER TRANSFER INFRASTRUCTURE & BULK POWER SUPPLY

Notice is hereby given in terms of the following:

- The Environmental Impact Assessment (EIA) Regulations (Government Notice No. R. 982 of 4 December 2014), in terms of the National Environmental Management Act (Act No. 107 of 1998); and
- The National Water Act (Act No. 36 of 1998).

KENNISGEWING VAN OMGEWINGSBEPALING
VOORGESTELDE MOKOLO EN KROKODIL (WES) WATERAANVULINGSPROEJ (MKVAP):
WATEROORDRAGSKEMA EN GROOTMAAT-KRAGVOORSIENING

Hierdie kennisgewing word gegee kragtens die volgende:

- Die Omgevingsimpakbeoordelingsregulasies (Staatskennisgewing Nr. R. 982 van 4 Desember 2014), kragtens die Wet op Nasionale Omgewingsbestuur (Wet 107 van 1998); en
- Die Nasionale Waterwet (Wet 36 van 1998).

From: Donovan Henning
To: thamash@nemal.co.za
Cc:
Subject: FW: 10580 - MCWAP-2 EIA - Landowner Notification / Grondtekenaar kennisgewing
Message 10580 - 20160516 - Agtergrond kennisgewingsbrief MKWAP-2.pdf 10580 - 20160513 - MKWAP-2 AID.PDF
Sent: Fri 03/06/2016 03:11 PM

From: Donovan Henning
Sent: 16 May 2016 02:22 PM
Subject: 10580 - MCWAP-2 EIA - Landowner Notification / Grondtekenaar kennisgewing

NOTICE OF ENVIRONMENTAL ASSESSMENT
PROPOSED MOKOLO CROCODILE (WEST) WATER AUGMENTATION PROJECT PHASE 2:
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KENNISGEWING VAN OMGEWINGSBEPALING
VOORGESTELDE MOKOLO EN KROKODIL (WES) WATERAANVULLINGSPROEJ (MKWAP):
WATEROORDRAGSKEMA EN GROOTMAAT-KRAGVOORSIENING

Hierdie kennisgewing word gegee kragtens die volgende:

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From: Donovan Henning
To: thamash@nemal.co.za
Cc:
Subject: FW: 10580 - MCWAP-2 EIA - Landowner Notification / Grondtekenaar kennisgewing
Message 10580 - 20160516 - Agtergrond kennisgewingsbrief MKWAP-2.pdf 10580 - 20160513 - MKWAP-2 AID.PDF
Sent: Fri 03/06/2016 02:57 PM

From: Donovan Henning
Sent: 16 May 2016 02:22 PM
Subject: 10580 - MCWAP-2 EIA - Landowner Notification / Grondtekenaar kennisgewing

NOTICE OF ENVIRONMENTAL ASSESSMENT
PROPOSED MOKOLO CROCODILE (WEST) WATER AUGMENTATION PROJECT PHASE 2:
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KENNISGEWING VAN OMGEWINGSBEPALING
VOORGESTELDE MOKOLO EN KROKODIL (WES) WATERAANVULLINGSPROEJ (MKWAP):
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Hierdie kennisgewing word gegee kragtens die volgende:

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- Die Nasionale Waterwet (Wet 36 van 1998).

Goeie dag


Ek het u e-pos adres by Mew. van der Walt gekry.

Verwys asseblief na die aangehegte inligting aangaande die beoogde Mokolo En krokodil (Wes) Wateraanvullingsprojek.

Groete

Donovan Henning

Nemal Consulting
Tel: (011) 781 1730
Fax: (011) 781 1731
Mobile: 082 851 0004
Email: donovanh@nemal.co.za
Address: 147 Bram Fischer Drive Ferndale 2194
Postal Address: PO Box 1673, Sunninghill, 2157



APPENDIX 5 (IF APPLICABLE)

LIST OF SGIDS / COORDINATES OF THE BOUNDARY OF THE PROPERTY OR PROPERTIES (WHERE SGID AND FARM NAME ARE NOT AVAILABLE)

Table 5A: List of SGIDS for properties directly affected by and adjacent to the proposed development

SG Code	Farm Name	Portion
T0KQ0000000062900000	HANNOVER 629 KQ	RE
T0KQ0000000062900003	HANNOVER 629 KQ	3
T0KQ0000000034100000	HANNOVER 341 KQ	
T0KQ0000000034400010	DONKERPOORT 344 KQ	10
T0KQ0000000034200000	MOOIVALEI 342 KQ	RE
T0KQ0000000034200010	MOOIVALEI 342 KQ	10
T0KQ0000000034200009	MOOIVALEI 342 KQ	9
T0KQ0000000034200008	MOOIVALEI 342 KQ	8
T0KQ0000000034200007	MOOIVALEI 342 KQ	7
T0KQ0000000034200006	MOOIVALEI 342 KQ	6
T0KQ0000000034200005	MOOIVALEI 342 KQ	5
T0KQ0000000034200004	MOOIVALEI 342 KQ	4
T0KQ0000000034200003	MOOIVALEI 342 KQ	3
T0KQ0000000034200002	MOOIVALEI 342 KQ	2
T0KQ0000000034200001	MOOIVALEI 342 KQ	1
T0KQ0000000034200023	MOOIVALEI 342 KQ	23
T0KQ0000000034200017	MOOIVALEI 342 KQ	17
T0KQ0000000034200015	MOOIVALEI 342 KQ	15
T0KQ0000000034200014	MOOIVALEI 342 KQ	14
T0KQ0000000034200018	MOOIVALEI 342 KQ	18
T0KQ0000000034200013	MOOIVALEI 342 KQ	13
T0KQ0000000034200012	MOOIVALEI 342 KQ	12
T0KQ0000000032000000	HAMPTON 320 KQ	
T0KQ0000000032000001	HAMPTON 320 KQ	1
T0KQ0000000046200000	STRATFORD 462	
T0KQ0000000031900000	ROSSEAUPOORT 319 KQ	
T0KQ0000000031200000	ROTTERDAM 312 KQ	
T0KQ0000000031100000	MEKLENBERG 311 KQ	
T0KQ0000000031000000	MECKLENBURG 310 KQ	
T0KQ0000000030700000	BRIDGEWATER 307 KQ	R/307
T0KQ0000000012000005	TARENTAALKRAAL 120 KQ	5
T0KQ0000000012000011	TARENTAALKRAAL 120 KQ	11
T0KQ0000000068500000	TARENTAALKRAAL 685 KQ	
T0KQ0000000012400007	PAARL 124 KQ	7
T0KQ0000000012400006	PAARL 124 KQ	6
T0KQ0000000012400000	PAARL 124 KQ	RE
T0KQ0000000012400004	PAARL 124 KQ	4
T0KQ0000000012300000	AMSTERDAM 123 KQ	

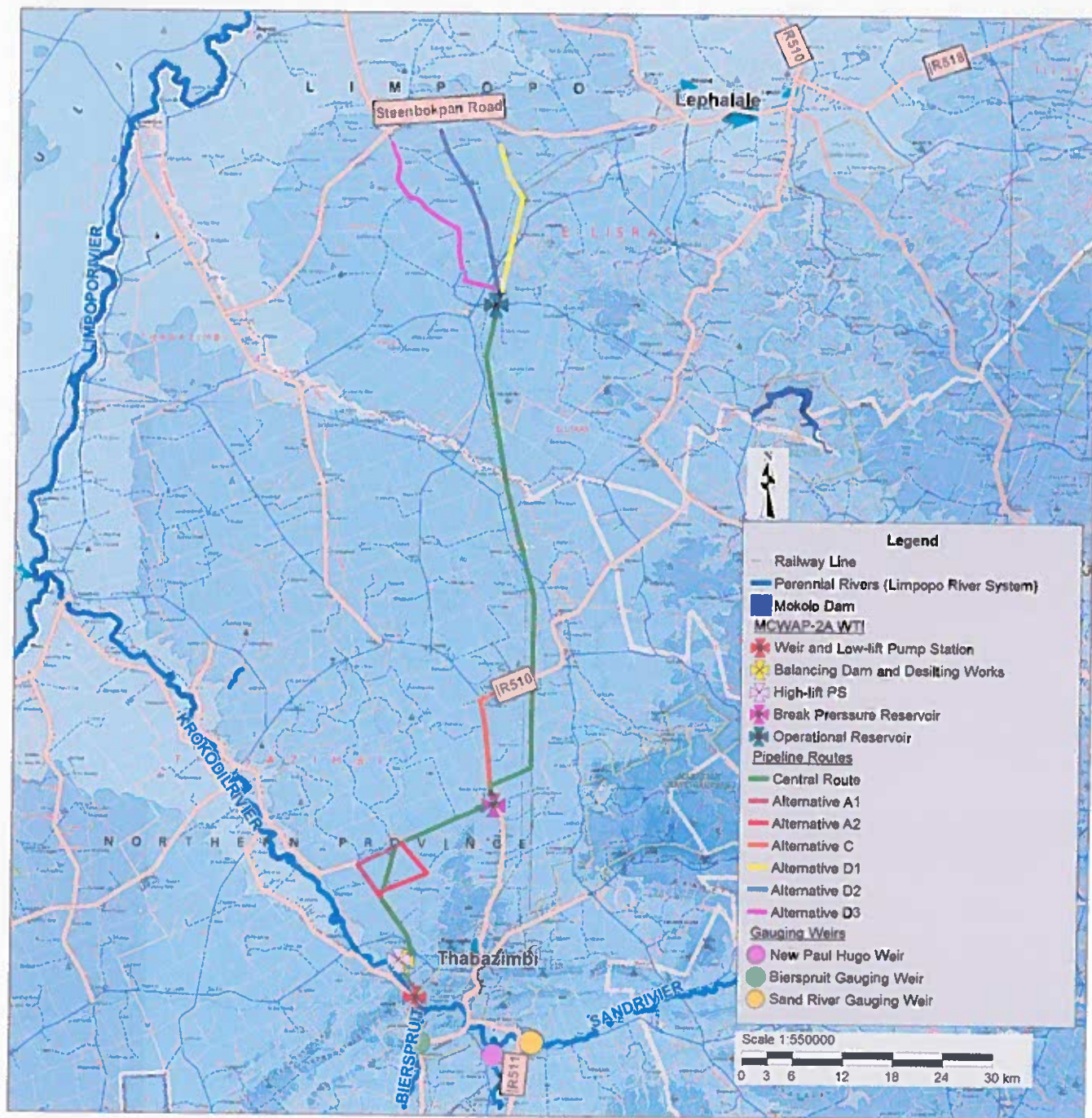
SG Code	Farm Name	Portion
TOKQ00000000010500000	WELTEVREDEN 105 KQ	
TOKQ000000000068200000	THABA MOFELE 682 KQ	
TOKQ00000000012800005	KOEDOEVLEI 128 KQ	5
TOKQ00000000012800000	KOEDOEVLEI 128 KQ	RE
TOKQ00000000012800002	KOEDOEVLEI 128 KQ	2
TOKQ00000000012800001	KOEDOEVLEI 128 KQ	1
TOKQ00000000012600000	KAROOBULT 126 KQ	
TOKQ00000000012700000	BUFFELSVLEY 127 KQ	
TOKQ00000000010100000	RIETKUIL 101 KQ	RE
TOKQ00000000010100003	RIETKUIL 101 KQ	3
TOKQ00000000012900000	LEEUWBOSCH 129 KQ	RE
TOKQ00000000012900001	LEEUWBOSCH 129 KQ	1
TOKQ00000000013000001	ZONDAGSKUIL 130 KQ	1
TOKQ00000000071100000	ZONDAGSKUIL 711 KQ	
TOKQ00000000013500004	DIEPKUIL 135 KQ	4
TOKQ00000000013500002	DIEPKUIL 135 KQ	2
TOKQ00000000013500003	DIEPKUIL 135 KQ	3
TOKQ00000000013500001	DIEPKUIL 135 KQ	1
TOKQ00000000013200001	TARANTAALPAN 132 KQ	1
TOKQ00000000013200002	TARANTAALPAN 132 KQ	2
TOKQ00000000013200003	TARANTAALPAN 132 KQ	3
TOKQ00000000013200000	TARANTAALPAN 132 KQ	RE
TOKQ00000000013600002	DUIKERSPAN 136 KQ	2
TOKQ00000000013600004	DUIKERSPAN 136 KQ	4
TOKQ00000000013300000	BLAAUWPAN 133 KQ	RE
TOKQ00000000010000004	FRANKSVLEY 100 KQ	4
TOKQ00000000010000000	FRANKSVLEY 100 KQ	RE
TOKQ00000000010000009	FRANKSVLEY 100 KQ	9
TOKQ00000000009900004	HONINGVLEY 99 KQ	4
TOKQ00000000009900000	HONINGVLEY 99 KQ	RE
TOKQ00000000009900012	HONINGVLEY 99 KQ	12
TOKQ00000000009900013	HONINGVLEY 99 KQ	13
TOKQ00000000009900014	HONINGVLEY 99 KQ	14
TOKQ00000000018300000	BLINKWATER 183	
TOKQ00000000009000003	VAALPENSPAN 90 KQ	3
TOKQ00000000009000004	VAALPENSPAN 90 KQ	4
TOKQ00000000009000000	VAALPENSPAN 90 KQ	RE
TOKQ00000000009000001	VAALPENSPAN 90 KQ	1
TOKQ00000000009700001	RUIGTEVLEY 97 KQ	1
TOKQ00000000009700004	RUIGTEVLEY 97 KQ	4
TOKQ00000000009700005	RUIGTEVLEY 97 KQ	5
TOKQ00000000009700006	RUIGTEVLEY 97 KQ	6

SG Code	Farm Name	Portion
TOKQ0000000009700007	RUIGTEVLEY 97 KQ	7
TOKQ0000000001210000	HOOPDAAL 121 KQ	0
TOKQ0000000006470000	HOOPDAAL 647 KQ	
TOKQ00000000009600007	HOOPDAAL 96 KQ	7
TOKQ00000000009600014	HOOPDAAL 96 KQ	14
TOKQ0000000006650000	WITKLIP 665 KQ	RE
TOKQ00000000066500001	WITKLIP 665 KQ	1
TOKQ00000000066500004	WITKLIP 665 KQ	4
TOKQ00000000066500003	WITKLIP 665 KQ	3
TOKQ00000000010700001	WITKLIP 107 KQ	1
TOKQ00000000009500030	GROENRIVIER 95 KQ	30
TOKQ00000000009500032	GROENRIVIER 95 KQ	32
TOKQ00000000009500035	GROENRIVIER 95 KQ	35
TOKQ00000000009500033	GROENRIVIER 95 KQ	33
TOKQ00000000009500037	GROENRIVIER 95 KQ	37
TOKQ0000000000980000	MATSULAN 98 KQ	RE
TOKQ00000000009200001	KALABASPAN 92 KQ	1
TOKQ0000000000940000	MATLABAS 94 KQ	
TOKQ0000000000510000	HAARLEM OOST 51 KQ	RE
TOKQ00000000005100016	HAARLEM OOST 51 KQ	16
TOKQ00000000005100015	HAARLEM OOST 51 KQ	15
TOKQ00000000005100013	HAARLEM OOST 51 KQ	13
TOKQ0000000000500000	GROOTFONTEIN 50 KQ	RE
TOKQ00000000005000001	GROOTFONTEIN 50 KQ	1
TOKQ00000000001600001	WELGEVONDEN 16 KQ	1
TOKQ0000000000160000	WELGEVONDEN 16 KQ	RE
TOKQ00000000001600002	WELGEVONDEN 16 KQ	2
TOKQ00000000001600007	WELGEVONDEN 16 KQ	7
TOKQ00000000001600009	WELGEVONDEN 16 KQ	9
TOKQ00000000001600006	WELGEVONDEN 16 KQ	6
TOKQ00000000001600005	WELGEVONDEN 16 KQ	5
TOKQ00000000001700001	COLCHESTER 17 KQ	1
TOKQ00000000001700002	COLCHESTER 17 KQ	2
TOKQ0000000000140000	SCHOONWATER 14 KQ	RE
TOKQ00000000001400002	SCHOONWATER 14 KQ	2
TOKQ00000000001400001	SCHOONWATER 14 KQ	1
TOKQ0000000000150000	RIETFONTEIN 15 KQ	
TOKQ00000000008190000	INKERMANN 819 KQ	RE
TOKQ00000000008200000	RIETFONTEIN 820 KQ	RE
TOKQ00000000001000001	INKERMANN 10 KQ	1
TOKQ00000000001000003	INKERMANN 10 KQ	3
TOLQ00000000039700002	GROENLAND 397 LQ	2

SG Code	Farm Name	Portion
TOLQ0000000039700003	GROENLAND 397 LQ	3
TOLQ0000000040600000	MABULSKOP 406 LQ	0
TOLQ0000000040100000	MOHODIRI 401 LQ	0
TOLQ0000000038600000	DIEPSPRUIT 386 LQ	0
TOLQ0000000038500002	MODDERFONTEIN 385 LQ	2
TOLQ0000000038200001	ZANDFONTEIN 382 LQ	2
TOLQ0000000038200002	ZANDFONTEIN 382 LQ	1
TOLQ0000000038200000	ZANDFONTEIN 382 LQ	RE
TOLQ0000000036500000	KLIPKLOOF 365 LQ	RE
TOLQ0000000036500002	KLIPKLOOF 365 LQ	2
TOLQ0000000035700004	ROOIPAN 357 LQ	4
TOLQ0000000035700000	ROOIPAN 357 LQ	RE
TOLQ0000000035500002	ROOIPAN 355 LQ	2
TOLQ0000000035500000	ROOIPAN 355 LQ	RE
TOLQ0000000035500001	ROOIPAN 355 LQ	1
TOLQ0000000035700001	ROOIPAN 357 LQ	1
TOLQ0000000035700005	ROOIPAN 357 LQ	5
TOLQ0000000035400000	GROOTLAAGTE 354 LQ	RE
TOLQ0000000035400001	GROOTLAAGTE 354 LQ	1
TOLQ0000000067200000	LELIEFONTEIN 672 LQ	RE
TOLQ0000000067200001	LELIEFONTEIN 672 LQ	1
TOLQ0000000035600003	ZANDHEUVEL 356 LQ	3
TOLQ0000000035600000	ZANDHEUVEL 356 LQ	RE
TOLQ0000000035600001	ZANDHEUVEL 356 LQ	1
TOLQ0000000035300000	DOORNLAAGTE 353 LQ	RE
TOLQ0000000032800002	SCHULDPADFONTEIN 328 LQ	2
TOLQ0000000032800000	SCHULDPADFONTEIN 328 LQ	RE
TOLQ0000000032800001	SCHULDPADFONTEIN 328 LQ	1
TOLQ0000000032600000	PYPPAN 326 LQ	0
TOLQ0000000032900001	PAARDEVLEY 329 LQ	1
TOLQ0000000032900000	PAARDEVLEY 329 LQ	RE
TOLQ0000000032300000	TOEZICHT 323	RE
TOLQ0000000032300001	TOEZICHT 323	1
TOLQ0000000032300002	TOEZICHT 323	2
TOLQ0000000029300011	THEUNISPAN 293 LQ	11
TOLQ0000000029300023	THEUNISPAN 293 LQ	23
TOLQ0000000029300002	THEUNISPAN 293 LQ	2
TOLQ0000000029300010	THEUNISPAN 293 LQ	10
TOLQ0000000029300019	THEUNISPAN 293 LQ	19
TOLQ0000000029300008	THEUNISPAN 293 LQ	8
TOLQ0000000029300012	THEUNISPAN 293 LQ	12
TOLQ0000000068300000	THEUNISPAN 683 LQ	0

SG Code	Farm Name	Portion
T0LQ00000000029300025	THEUNISPAN 293 LQ	25
T0LQ00000000029300009	THEUNISPAN 293 LQ	9
T0LQ00000000036300000	NAAUWPOORT 363 LQ	0
T0LQ00000000036100005	RHENOSTERPAN 361 LQ	5
T0LQ00000000036100002	RHENOSTERPAN 361 LQ	2
T0LQ00000000036100000	RHENOSTERPAN 361 LQ	RE
T0LQ00000000036100004	RHENOSTERPAN 361 LQ	4
T0LQ00000000036100003	RHENOSTERPAN 361 LQ	3
T0LQ00000000036100001	RHENOSTERPAN 361 LQ	1
T0LQ00000000036100006	RHENOSTERPAN 361 LQ	6
T0LQ00000000036000000	RIETFONTEIN 360 LQ	RE
T0LQ00000000036000003	RIETFONTEIN 360 LQ	3
T0LQ00000000036000001	RIETFONTEIN 360 LQ	1
T0LQ00000000035800000	ZANDNEK 358 LQ	RE
T0LQ00000000035800001	ZANDNEK 358 LQ	1
T0LQ00000000035800002	ZANDNEK 358 LQ	2
T0LQ00000000035900001	GEELHOOTSKLOOF 359 LQ	1
T0LQ00000000031400000	ENKELDRAAI 314 LQ	0
T0LQ00000000032000000	TAAIBOSCHPAN 320 LQ	0
T0LQ00000000071200000	PONTES ESTATES 712 LQ	0
T0LQ00000000030200002	LOOPLEEGTE 302 LQ	0
T0LQ00000000032200000	MINNAARSPAN 322 LQ	0
T0LQ00000000032500000	MOOIIPAN 325 LQ	0
T0LQ00000000032400000	ZYFERBULT 324 LQ	RE
T0LQ00000000032400002	ZYFERBULT 324 LQ	2
T0LQ00000000032400001	ZYFERBULT 324 LQ	1
T0LQ00000000029400000	VANGPAN 294 LQ	RE
T0LQ00000000029400001	VANGPAN 294 LQ	1
T0LQ00000000030000000	ZANDBULT 300 LQ	0
T0KQ00000000035200000	GROOTFONTEIN 352 KQ	0
T0KQ00000000034800022	KLIPGAT 348 KQ	22
T0KQ00000000034800003	KLIPGAT 348 KQ	3 RE
T0KQ00000000037300003	HAAKDOORNDRIFT 373 KQ	3
T0KQ00000000037300000	HAAKDOORNDRIFT 373 KQ	0
T0KQ00000000034800013	KLIPGAT 348 KQ	13

APPENDIX 6 PROJECT MAP



PREPARED FOR:

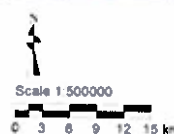


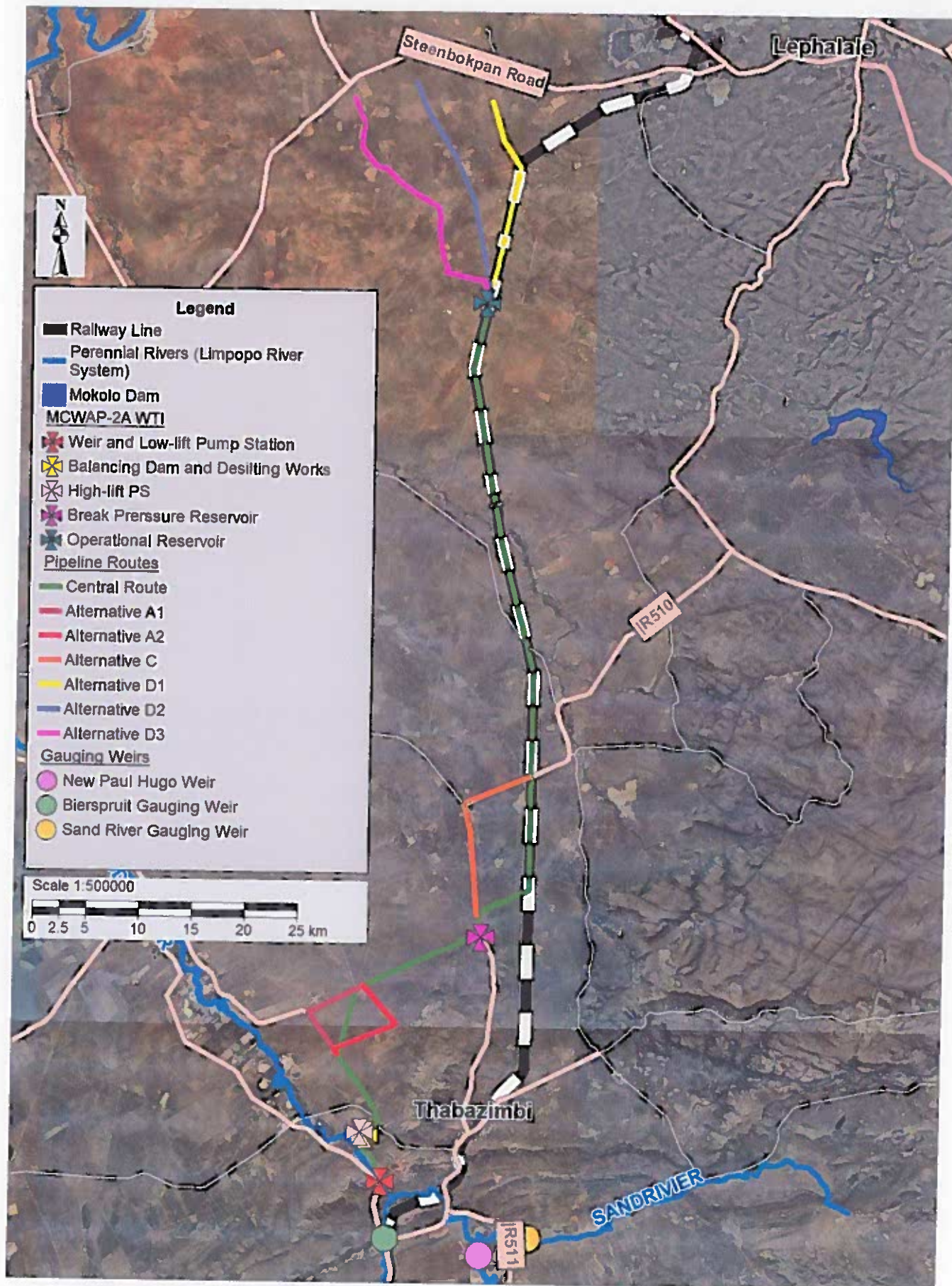
Proposed Mokolo Crocodile River (West) Water Augmentation Project Phase 2A: Water Transfer Infrastructure

PREPARED BY:



LOCALITY MAP





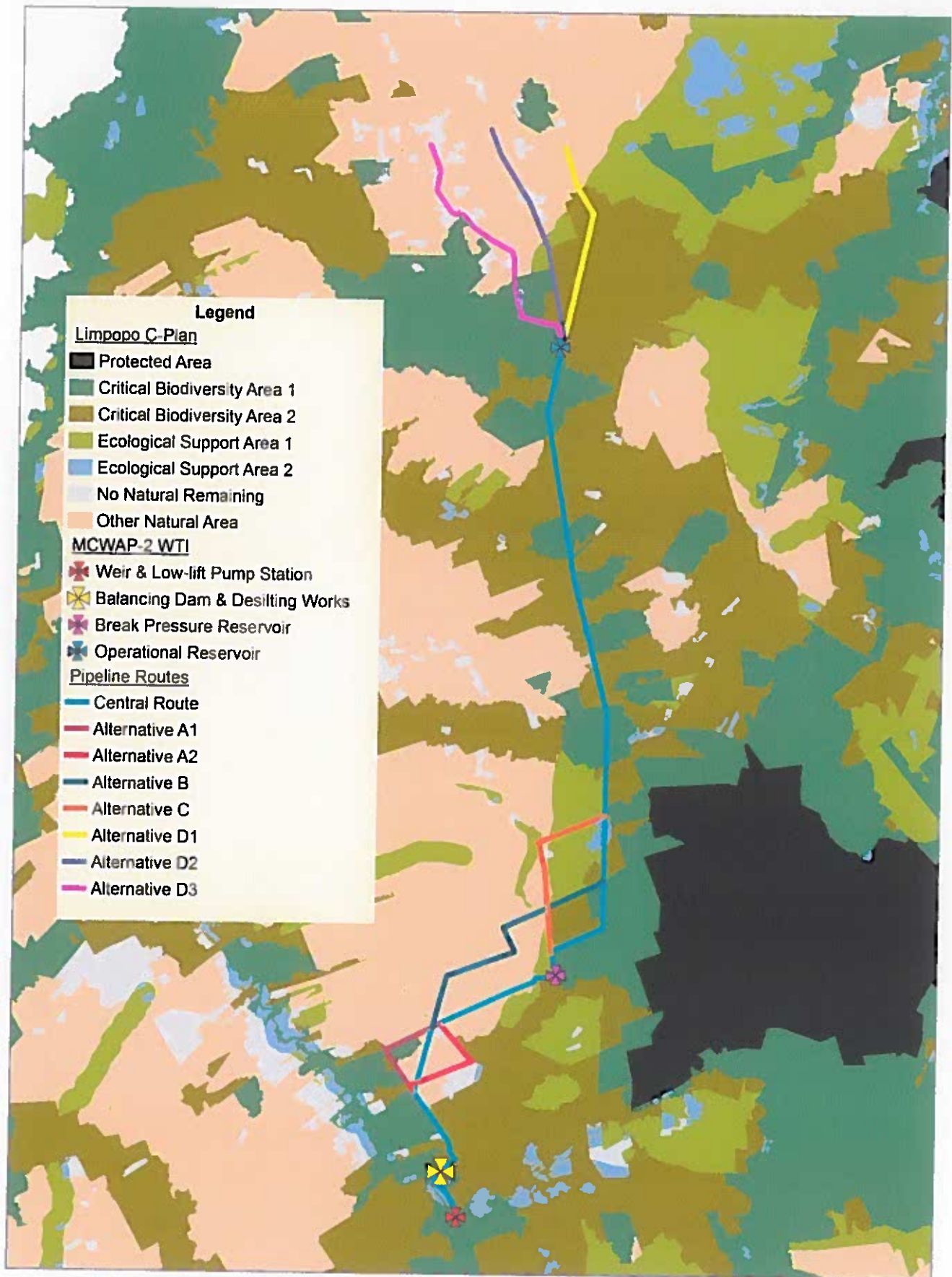
PREPARED FOR:  water & sanitation
Department
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

PREPARED BY:  NEMA
CONSULTING

**Proposed Mokolo Crocodile River (West) Water Augmentation
Project Phase 2A: Water Transfer Infrastructure**

ORTHOGRAPH


Scale 1:500000
0 3 6 9 12 15 km




PREPARED FOR:  water & sanitation
Department
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

PREPARED BY:  NEMA
NATIONAL ENVIRONMENTAL
MANAGEMENT AUTHORITY

**Proposed Mokolo Crocodile River (West) Water Augmentation
Project Phase 2A: Water Transfer Infrastructure**

PRELIMINARY MAP OF CRITICAL BIODIVERSITY AREAS
(Limpopo Provincial Conservation Plan V2, Sept 2013)


Scale 1:500000
0 3 6 9 12 15 km

**APPENDIX 7
PROJECT SCHEDULE**

MCWAP-2A WATER TRANSFER INFRASTRUCTURE & BORROW PITS – COMBINED EIA PROGRAMME EXTRACT (DRAFT)

ID	Task Name	Duration	Start	Finish	1, 2018	Half 2, 2018	Half 1, 2019
33	IAPs Review of Draft Scoping Reports (WTI & BPs)	71 days	Mon 26/02/18	Mon 04/06/18	F M A M J J A S O N D	J J	F
34	Notification of Review	5 days	Mon 26/02/18	Fri 02/03/18			
35	Submit Application Forms & dSRs - DEA (WTI) & DMR (BPs)	1 day	Mon 05/03/18	Mon 05/03/18			
36	Authorities & IAPs Review of dSRs	27 days	Tue 06/03/18	Wed 11/04/18			
37	Public Meetings	3 days	Tue 13/03/18	Thu 15/03/18			
44	Finalise Scoping Report	5 days	Thu 12/04/18	Wed 18/04/18			
45	Submit Final Scoping Reports to DEA & DMR	1 day	Thu 19/04/18	Thu 19/04/18			
46	DEA & DMR Review and Acceptance	32 days	Fri 20/04/18	Mon 04/06/18			
47	EIA Phase	196 days	Thu 19/04/18	Thu 07/02/19			
48	Conduct Specialist Studies	35 days	Thu 19/04/18	Wed 06/06/18			
49	EIA Report	75 days	Tue 05/06/18	Mon 17/09/18			
50	Reporting	34 days	Tue 05/06/18	Fri 20/07/18			
54	IAPs Review of Draft EIA Reports (WTI & BPs)	29 days	Mon 23/07/18	Thu 30/08/18			
58	Finalise EIA Reports	10 days	Fri 31/08/18	Thu 13/09/18			
59	Submit Final EIA Reports to DEA & DMR	2 days	Fri 14/09/18	Mon 17/09/18			
60	DEA & DMR Review and Decision	77 days	Tue 18/09/18	Wed 23/01/19			
61	IAP Notification Period	11 days	Thu 24/01/19	Thu 07/02/19			

**APPENDIX 8
DECLARATION OF THE APPLICANT**

I, RONALD GILLMER, declare that –

- I am, or represent¹, the applicant in this application;
- I have appointed an Environmental Assessment Practitioner (EAP) to act as the independent EAP for this application / have obtained exemption from the requirement to obtain an EAP²;
- I will take all reasonable steps to verify whether the EAP and specialist/s appointed are independent and have expertise in conducting environmental impact assessments or undertaking specialist work as required, including knowledge of the Act, the EIA Regulations and any guidelines that have relevance to the proposed activity;
- I will provide the EAP and the competent authority with access to all information at my disposal that is relevant to the application;
- I will be responsible for the costs incurred in complying with the Regulations, including but not limited to –
 - costs incurred in connection with the appointment of the EAP or any person contracted by the EAP;
 - costs incurred in respect of the undertaking of any process required in terms of the Regulations;
 - costs in respect of any fee prescribed by the Minister or MEC in respect of the Regulations;
 - costs in respect of specialist reviews, if the competent authority decides to recover costs; and
 - the provision of security to ensure compliance with conditions attached to an environmental authorisation, should it be required by the competent authority;
- I will inform all registered interested and affected parties of any suspension of the application as well as of any decisions taken by the competent authority in this regard;
- I am responsible for complying with the conditions of any environmental authorisation issued by the competent authority;
- I hereby indemnify the Government of the Republic of South Africa, the competent authority and all its officers, agents and employees, from any liability arising out of the content of any report, any procedure or any action which the applicant or EAP is responsible for in terms of these Regulations;
- I will not hold the competent authority responsible for any costs that may be incurred by the applicant in proceeding with an activity prior to obtaining an environmental authorisation or prior to an appeal being decided in terms of these Regulations;
- I will perform all obligations as expected from an applicant in terms of the Regulations;
- all the particulars furnished by me in this form are true and correct; and
- I am aware of what constitutes an offence in terms of Regulation 48 and that a person convicted of an offence in terms of Regulation 48(1) is liable to the penalties as contemplated in section 49B of the Act.
- I am aware that in terms of Section 24F of the National Environmental Management Act, Act No 107 of 1998, as amended, that no listed activity may commence prior to an environmental authorisation being granted by the Competent Authority.


Signature³ of the applicant/ Signature on behalf of the applicant

DEPARTMENT OF WATER AND SANITATION
Name of company (if applicable)

16/2/2018
Date:

¹ If this is signed on behalf of the applicant, proof of such authority from the applicant must be attached. If the applicant is a juristic person, a signature on behalf of the applicant is required as well as proof of such authority.

² If exemption is obtained from appointing an EAP, the responsibilities of an EAP will automatically apply to the person conducting the environmental impact assessment in terms of the Regulations.

³ Only original signatures will be accepted. No scanned, copied or faxed signatures will be accepted. An EAP may not sign on behalf of an applicant.



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

Private Bag X313, PRETORIA, 0001. Sedibeng Building, 185 Francis Baard Street, PRETORIA, 0001
Tel: +27 12 336 7500.

Enq: R Gillmer

Tel: 012 336 6933

Email: GillmerR@dws.gov.za

16 February 2018

Department of Environmental Affairs
Private Bag X 447
Pretoria
0001

Dear Sir / Madam

Re: Signing Authority for the Proposed Development of the Mokolo and Crocodile River (West) Water augmentation project Phase 2A: Environmental Impact Assessment: Application Form:

I wish to declare that Mr R. Gillmer is the Department of Water and Sanitation's authorized official for the Development of the Mokolo and Crocodile River (West) Water augmentation project Phase 2A. Mr R. Gillmer will act as project manager for the Environmental Impact Assessment and is hence responsible for the signing of the Application Form.

Yours sincerely

Mr S Mkhize
ACTING DIRECTOR-GENERAL

Signed by:

Mr LS Mabuda

CHIEF DIRECTOR: INTEGRATED WATER RESOURCE PLANNING

DATE: 26/2/2018.



NATIONAL DEVELOPMENT PLAN
Our Future - make it work

APPENDIX 9
9.1 DECLARATION OF THE EAP

I, Donavan Henning, declare that –

- I act as the independent environmental assessment practitioner in this application;
- I have expertise in conducting environmental impact assessments, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, Regulations and all other applicable legislation;
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant;
- I will take into account, to the extent possible, the matters listed in Regulation 18 of the Regulations when preparing the application and any report relating to the application;
- I undertake to disclose to the applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing - any decision to be taken with respect to the application by the competent authority, and - the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority, unless access to that information is protected by law, in which case it will be indicated that such information exists and will be provided to the competent authority;
- I will perform all obligations as expected from an environmental assessment practitioner in terms of the Regulations; and
- I am aware of what constitutes an offence in terms of Regulation 48 and that a person convicted of an offence in terms of Regulation 48(1) is liable to the penalties as contemplated in section 49B of the Act.

Disclosure of Vested Interest (delete whichever is not applicable)

- I do not have and will not have any vested interest (either business, financial, personal or other) in the proposed activity proceeding other than remuneration for work performed in terms of the Regulations;
- ~~• I have a vested interest in the proposed activity proceeding, such vested interest being:~~



Signature of the environmental assessment practitioner

Nemai Consulting

Name of company:

26/02/2018

Date

APPENDIX 9
9.2 UNDERTAKING UNDER OATH/ AFFIRMATION

I, Donavon Henning, swear under oath / affirm that all the information submitted or to be submitted for the purposes of this application is true and correct.

[Signature]
Signature of the environmental assessment practitioner

Nema Consulting
Name of company

26/02/2018
Date

CERTIFIED A TRUE COPY OF THE ORIGINAL DOCUMENT
GESERTIFIEERD 'N WAAR AF SKRIF VAN
OORSPRONKLIKE DOKUMENT
BRENDA PERUMAL
MALANI PADAYACHEE AND ASSOCIATES (PTY) LTD
REG No: 1997/000111/07
JOHANNESBURG NORTH MAGISTERIAL DISTRICT:
HANDSBURG
REF No: 12/03/2016
EX OFFICIO COMMISSIONER OF OATHS

[Signature]
Signature of the commissioner of oaths

26/02/2018
Date

SIGNEEREN: [Signature]
DATE DATUM: 26/02/2018