

APPENDIX E1

PHOTOGRAPHIC PROOF OF ONSITE NOTICES

PROJECT APPLICANT:**ENVIRONMENTAL ASSESSMENT PRACTITIONER:**

PROPOSED MOKOLO CROCODILE RIVER (WEST) WATER AUGMENTATION PROJECT (MCWAP) PHASE 2A

NOTICE OF REVIEW OF DRAFT SCOPING REPORT (BORROW PITS) & DRAFT EIA REPORT (WATER TRANSFER INFRASTRUCTURE), AS WELL AS PUBLIC MEETINGS

Notice is hereby given in terms of the following:

- The Environmental Impact Assessment (EIA) Regulations (Government Notice No. R. 982 of 4 December 2014, as amended), in terms of the National Environmental Management Act (Act No. 107 of 1998);
- The Mineral and Petroleum Resources Development Act (Act No. 28 of 2002); and
- The National Water Act (Act No. 36 of 1998).

PROJECT OVERVIEW:

Water demand will increase in the Lephalale area due to various planned and anticipated developments associated with the Waterberg coalfields. The Department of Water and Sanitation (DWS) commissioned the Mokolo Crocodile River (West) Water Augmentation Project (MCWAP) Feasibility Study to investigate the options for meeting the aforementioned water requirements.

MCWAP Phase 2A entails a proposed transfer scheme from the Crocodile River (West) at Vlieëpoort near Thabazimbi to the Lephalale area (Limpopo Province) via a system consisting of:

- Weir and abstraction infrastructure, including a balancing reservoir, desilting works, and a high lift pump station at Vlieëpoort (near Thabazimbi);
- Transfer system (approximately 100 km);
- Break Pressure Reservoir;
- Operational Reservoir;
- Delivery system, consisting of a gravity pipeline (approximately 30km) running from the Operational Reservoir to the Steenbokpan area; and
- Ancillary infrastructure.

Construction material will need to be sourced from approximately 30 borrow pits that will be located at 5km intervals along the project footprint.

APPLICATION FOR ENVIRONMENTAL AUTHORISATIONS:

Nemai Consulting was appointed by DWS and TCTA (Implementing Agent) to conduct the EIAs for the following, in terms of Government Notice No. R. 982 of 4 December 2014 (as amended):

- Water Transfer Infrastructure** – application for a Scoping and EIA process to the Department of Environmental Affairs; and
- Borrow Pits** – application for a Scoping and EIA process to the Department of Mineral Resources.

In addition, approval will also be sought from DWS for water uses associated with the project in terms of Section 21 of the National Water Act (Act No. 36 of 1998).

REVIEW OF DRAFT REPORTS:

The Draft Scoping Report (Borrow Pits) and Draft EIA Report (Water Transfer Infrastructure) will be lodged for public review at the following venues from **28 September until 29 October 2018:**

Location	Address	Tel. No.
Lephalale Public Library	Lephalale Civic Centre, c/o Joe Slovo & Dou Water St, Lephalale	014 762 1453
Thabazimbi Public Library	4 th Ave, next to Police station in Thabazimbi	014 777 1525
National Library of South Africa (Pretoria)	c/o Johannes Ramokhoase St and Thabo Sehume St	012 401 9700
Kosmos Library	108 Paul Kruger Ave, Kosmos, Brits	012 253 5128
Steenbokpan Winkel	Steenbokpan	014 766 0167
Lesedi Thusong Community Centre	Steenbokpan	079 321 3150 / 014 762 1423
Marapong Public Library	916 Phukubye Street, Marapong, Lephalale	014 762 1484

The reports can also be downloaded from the following websites: <http://www.nemai.co.za/environmental.html> or <http://www.dwa.gov.za/Projects/MCWAP/>.

PUBLIC MEETINGS:

The following public meetings will be held to present the reports:

Date	9 October 2018	10 October 2018	11 October 2018	
Area	Hartbeespoort Dam	Thabazimbi	Lephalale	Steenbokpan
Time	Open Session: 12:00 – 15:30 Public Meeting: 16:00 – 18:30	Public Meeting: 13:00 – 17:00	Public Meeting: 9:00 – 13:00	Public Meeting: 14:30 – 17:00
Venue	Hartbeespoort NG Kerk	Kumba Bioscope Hall Thabazimbi	Mogol Club, Grootgeluk Conference Room	Lesedi Thusong Community Centre

CONTACT DETAILS OF ENVIRONMENTAL ASSESSMENT PRACTITIONER (COMMENTS OR QUERIES):

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Project website: <https://www.dwa.gov.za/projects/mcwap/>

VOORGESTELDE MOKOLO EN KROKODILRIVIER (WES) WATERAANVULLINGS-PROJEK (MKWAP) FASE 2A

KENNISGEWING AANGAANDE DIE HERSIENING VAN DIE VOORLOPIGE OMVANGSBEPALINGSVERSLAG (LEENGROEWE) EN VOORLOPIGE OMGEWINGSIMPAKBEPALINGSVERSLAG (WATEROORDRAGSKEMA), SOWEL AS OPENBARE VERGADERINGS

Hierdie kennisgewing word gegee kragtens die volgende:

- Die Omgewingsimpakbepalingsregulasies (Staatskennisgewing Nr. R. 982 van 4 Desember 2014, soos gewysig), kragtens die Wet op Nasionale Omgewingsbestuur (Wet Nr. 107 van 1998);
- Die Wet op die Ontwikkeling van Minerale en Petroleum Hulpbronne (Wet Nr. 28 van 2002); en
- Die Nasionale Waterwet (Wet Nr. 36 van 1998).

PROJEKOORSIG:

Waterbehoefes in die Lephalale area sal toeneem weens verkeie beplande en verwagte ontwikkelings geassosieer met die Waterberg Steenkoolvelde. Die Departement van Water en Sanitasie (DWS) het die MKWAP-uitvoerbaarheidstudie uitgevoer om opsies vir die voorsiening in die waterbehoefes te ondersoek.

MKWAP Fase 2A behels 'n wateroordragskema vanaf die Krokodilrivier (Wes) by Vlieëpoort naby Thabazimbi na die Lephalale-gebied. Die infrastruktuur verbonde aan die voorgestelde oordragskema behels die volgende:

- 'n Stuwal en onttrekkingswerke by Vlieëpoort;
- Balanseerdamme, ontslikkingswerke en 'n hoëdruk-pompstasie;
- Oordragskema (ongeveer 100 km);
- 'n Drukbrekreservoir;
- 'n Operasionele bergingsdam;
- 'n Leweringstelsel wat bestaan uit 'n gravitasiepylyn (ongeveer 30 km) vanaf die operasionele bergingsdam na die Steenbokpan-gebied; en
- Aanvullende infrastruktuur.

Konstruksiemateriaal word benodig vanaf ongeveer 30 leengroewe wat in 5km intervalle langs die pylyn beplan word.

AANSOEK OM OMGEWINGSMAGTIGING:

Nemai Consulting is aangestel deur DWS en TCTO (Implementeringsagent) om die Omgewingsimpakbepalings (OIB) uit te voer vir die volgende projekkomponente, ingevolge Staatskennisgewing Nr. R. 982 van 4 Desember 2014 (soos gewysig):

- Wateroordragskema** – aansoek vir Omvangsbepaling en OIB by die Departement van Omgewingsake; en
- Leengroewe** – aansoek vir Omvangsbepaling en OIB by die Departement van Minerale Hulpbronne.

Magtiging word ook benodig vanaf DWS vir waterverbruike ingevolge Artikel 21 van die Nasionale Waterwet (Wet Nr. 36 van 1998).

HERSIEN VAN DIE VOORLOPIGE VERSLAE:

Die voorlopige Omvangsbepalingsverslag (Leengroewe) en voorlopige Omgewingsimpakbepalingsverslag (Wateroordragskema) sal beskikbaar gestel word vir openbare besigtiging by die volgende plekke vanaf **28 September tot 29 Oktober 2018:**

Plek	Adres	Tel. Nr.
Lephalale Openbare Biblioteek	Lephalale Burgersentrum, hoek van Joe Slovo & Dou Water Straat, Lephalale	014 762 1453
Thabazimbi Openbare Biblioteek	4 th Laan, langs aan Polisiestasie in Thabazimbi	014 777 1525
Nasionale Biblioteek van Suid Afrika (Pretoria)	Hoek van Johannes Ramokhoase Straat and Thabo Sehume Straat, Pretoria	012 401 9700
Kosmos Biblioteek	108 Paul Kruger Laan, Kosmos, Brits	012 253 5128
Steenbokpan Winkel	Steenbokpan	014 766 0167
Lesedi Thusong Gemeenskapsentrum	Steenbokpan	079 321 3150 / 014 762 1423
Marapong Publieke Biblioteek	916 Phukubye Straat, Marapong, Lephalale	014 762 1484

Die voorlopige verslae kan ook afgelaai word op die volgende webblaaie: <http://www.nemai.co.za/environmental.html> of <http://www.dwa.gov.za/Projects/MCWAP/>.

OPENBARE VERGADERINGS:

Die volgende openbare vergaderings sal gehou word om die Voorlopige Omvangs en Omgewingsimpakbepalingsverslae aan te bied:

Datum	9 Oktober 2018	10 Oktober 2018	11 Oktober 2018	
Area	Hartbeespoort Dam	Thabazimbi	Lephalale	Steenbokpan
Tyd	Ope Sessie: 12:00 – 15:30 Openbare Vergadering: 16:00 – 18:30	Openbare Vergadering: 13:00 – 17:00	Openbare Vergadering: 9:00 – 13:00	Openbare Vergadering: 14:30 – 17:00
Lokaal	Hartbeespoort NG Kerk	Kumba Bioskopsaal, Thabazimbi	Mogol Klub, Grootgeluk Konferensiesaal	Lesedi Thusong Gemeenskapsentrum

KONTAKBESONDERHEDE VAN OMGEWINGBEPALINGS-SPRAKTISYN (KOMMENTAAR OF NAVRAE):

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Posadres: Posbus 1673, Sunninghill, 2157
Projekwebblad: <https://www.dwa.gov.za/projects/mcwap/>

MAP / KAART



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

Legend

MCWAP-2A WTI

- Weir and Low-lift Pump Station
- Balancing Dam and Desilting Works
- High-lift PS
- Break Pressure Reservoir
- Operational Reservoir

Pipeline Routes

- Central Route
- Alternative A1
- Alternative A2
- Alternative C
- Alternative D1
- Alternative D2
- Alternative D3
- Alternative E

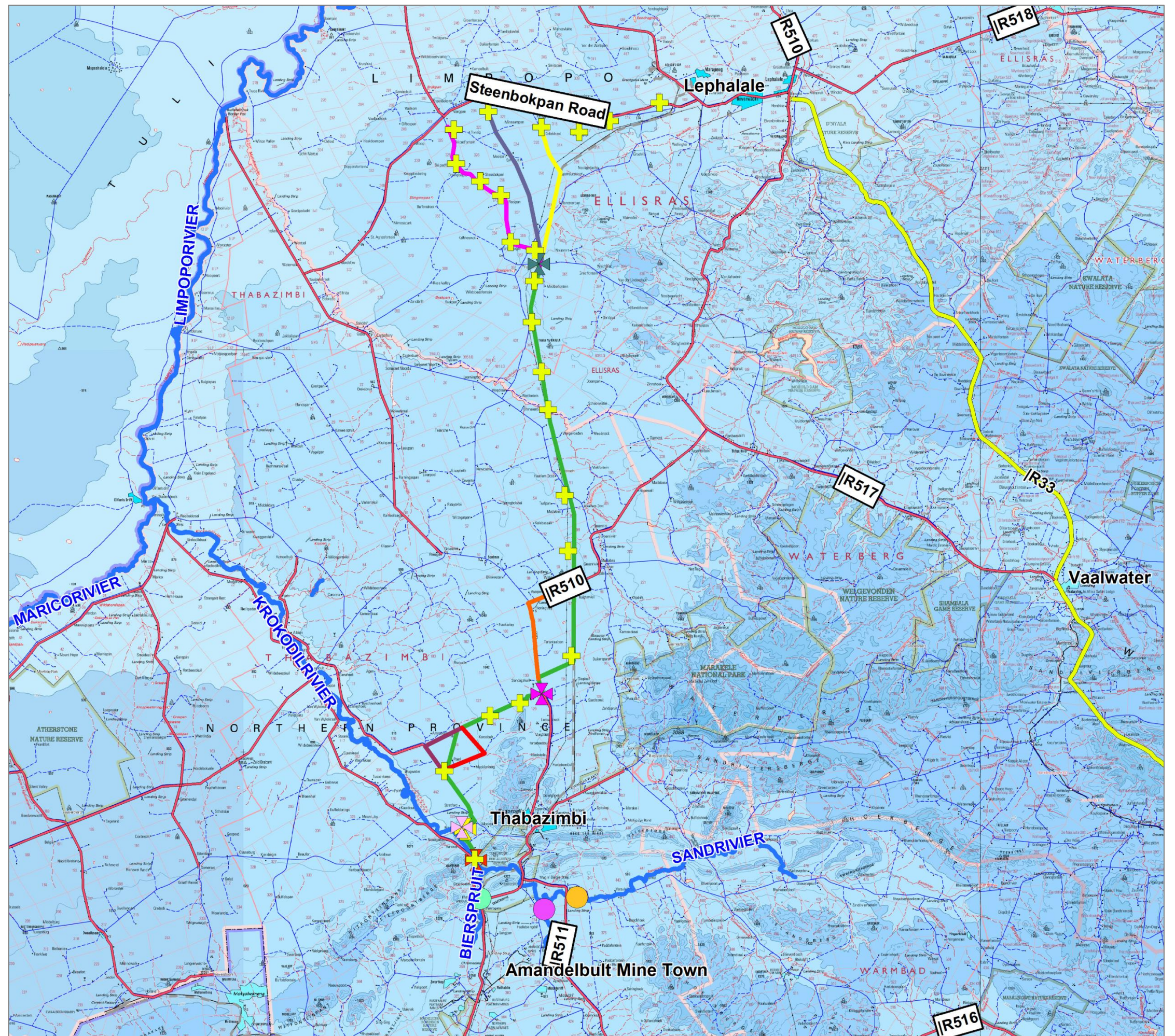
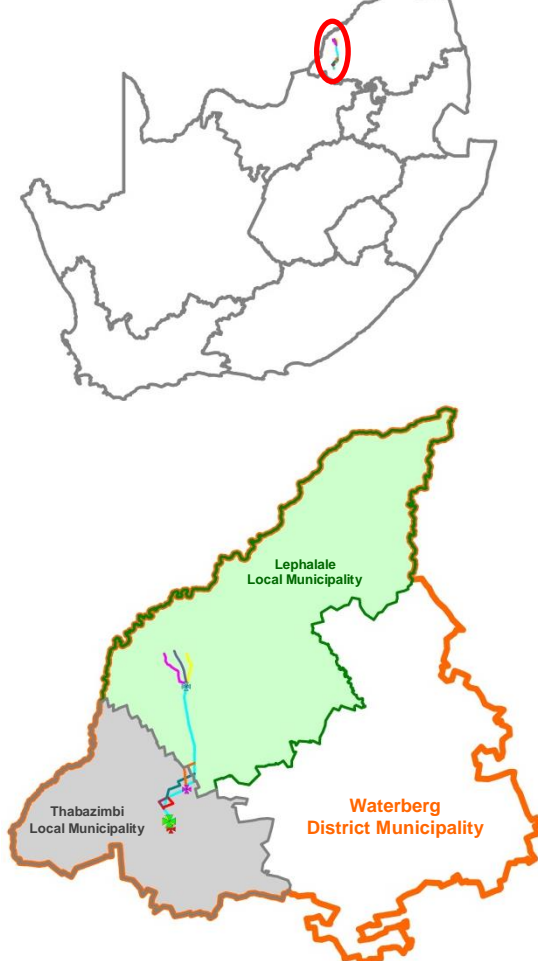
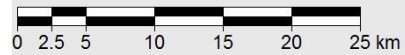
Gauging Weirs

- New Paul Hugo Weir
- Bierspruit Gauging Weir
- Sand River Gauging Weir

MCWAP-2A BORROW PITS

- Borrow Pits

Scale 1:500000



MCWAP-2A: BORROW PITS

SITE NOTCES - LOCATIONS

	Google Earth Point	Coordinates	Location Description	Photo Reference Numbers
1.	GN 1	24°53'00.42"S; 27°31'30.63"E	Koedoeskop Shop & Post office	1A & 1B
2.	GN 2	24°40'05.48"S; 27°27'17.46"E	Sand Rivier Gauging Weir	2A & 2B
3.	GN 3	24°41'42.27"S; 27°23'57.82"E	Paul Hugo Weir	3A & 3B
4.	GN 4	24°40'56.06"S; 27°19'19.07"E	Bierspruit Weir	4A & 4B
5.	BP SS1	24°37'00.14"S; 27°17'38.11"E	Nooitgedacht Farms	5A & 5B
6.	GN 5	24°35'52.18"S; 27°19'43.65"E	Mooivallei Road	6A & 6B
7.	BP SS1	24°37'18.45"S; 27°18'45.94"E	Mooivallei 10/342	7A & 7B
8.	BP 25	24°31'35.24"S; 27°16'26.86"E	Mecklenburg Farms	8A & 8B
9.	GN 6	24°35'21.03"S; 27°24'34.41"E	Thabazimbi Municipal Offices	9A & 9B
10.	GN 7	24°35'48.57"S; 27°24'26.49"E	Thabazimbi Library	10A & 10B
11.	BP 35	24°27'24.93"S; 27°25'01.99"E	R510 (Leeuwbosch Farm)	11A & 11B
12.	BP 30	24°27'11.54"S; 27°20'07.28"E	Karooobult 126	12A & 12B
13.	BP 35	24°26'13.09"S; 27°22'27.98"E	Gate at Leeuwbosch RE/1/129	13A & 13B
14.	BP 28	24°23'16.33"S; 27°26'30.58"E	Entrance to Tarantaalpan 132	14A & 14B
15.	GN 8	24°18'53.40"S; 27°23'13.59"E	R510 to Lephallale	15A & 15B
16.	GN 9	24°15'35.56"S; 27°19'36.68"E	Sentrum Agricultural Union Kraals	16A & 16B
17.	BP 33	24°17'31.82"S; 27°26'50.05"E	R510 to Lephallale	17A & 17B
18.	GN 10	24°17'55.03"S; 27°29'34.88"E	Marataba Reserve / Waterberg Holdings	18A & 18B
19.	BP 41	24°14'15.56"S; 27°28'22.44"E	Groenrivier Farm (R510 to Lephallale)	19A & 19B
20.	BP 41	24°13'20.13"S; 27°28'04.69"E	Matsulan Farm	20A & 20B
21.	BP 41	24°12'13.87"S; 27°25'10.28"E	Kalabaspan Farm	21A & 21B
22.	BP 38	24°10'35.25"S; 27°26'21.37"E	Haarlem Oost Farm	22A & 22B
23.	BP 39	24°03'00.65"S; 27°21'35.91"E	Cheetah Safaris Entrance	23A & 23B
24.	BP 42	23°59'05.60"S; 27°23'07.78"E	Badenkop Boerdery Entrance	24A & 24B
25.	BP 44	23°57'19.99"S; 27°22'50.91"E	Delta Brahmane Entrance	25A & 25B
26.	BP 43	23°55'11.14"S; 27°22'23.95"E	Zandfontein Farm Entrance	26A & 26B

	Google Earth Point	Coordinates	Location Description	Photo Reference Numbers
27.	BP 53	23°53'42.02"S; 27°22'49.67"E	Wild Dreams Nguni Entrance	27A & 27B
28.	GN 11	23°49'24.59"S; 27°25'49.55"E	Rhenosterpan RE Farm	28A & 28B
29.	GN 12	23°47'35.92"S; 27°26'56.42"E	Rietfontein Portion 1 Farm	29A & 29B
30.	BP 52	23°52'30.92"S; 27°21'07.94"E	Steenbokpan Road	30A & 30B
31.	BP 50	23°48'35.75"S; 27°21'05.62"E	Steenbokpan Road	31A & 31B
32.	BP 48	23°47'23.58"S; 27°19'02.06"E	Steenbokpan Road	32A & 32B
33.	BP 49	23°46'17.88"S; 27°17'33.12"E	Steenbokpan Road	33A & 33B
34.	GN 13	23°44'33.67"S; 27°17'13.07"E	Paardevey Farms	34A & 34B
35.	BP 15	23°43'36.49"S; 27°17'09.12"E	Steenbokpan Road	35A & 35B
36.	GN 14	23°43'08.09"S; 27°16'39.40"E	Lesedi Thusong Centre	36A & 36B
37.	GN 15	23°42'37.23"S; 27°16'26.04"E	Steenbokpan Winkel	37A & 37B
38.	BP 15	23°42'04.51"S; 27°16'59.79"E	Steenbokpan – Lephallale Road	38A & 38B
39.	BP 46	23°41'07.29"S; 27°20'13.17"E	Steenbokpan – Lephallale Road	39A & 39B
40.	BP 59	23°42'13.99"S; 27°24'47.29"E	Steenbokpan – Lephallale Road	40A & 40B
41.	BP 13	23°42'42.42"S; 27°27'48.47"E	Steenbokpan – Lephallale Road	41A & 41B
42.	BP14	23°42'33.73"S; 27°29'48.85"E	Steenbokpan – Lephallale Road	42A & 42B
43.	BP 51	23°41'36.31"S; 27°33'59.56"E	Steenbokpan – Lephallale Road	43A & 43B
44.	GN 16	23°39'18.93"S; 27°37'11.57"E	Marapong Spar	44A & 44B
45.	GN 17	23°39'22.23"S; 27°37'45.42"E	Marapong Public Library	45A & 45B
46.	GN 18	23°40'19.35"S; 27°44'30.03"E	Agri-Lephallale	46A & 46B
47.	GN 19	23°40'19.32"S; 27°44'32.56"E	TLU-SA (NTK Building)	47A & 47B



1A



1B

Photo Ref. No.



2A



2B

Photo Ref. No.



Photo Ref. No.

3A

3B



Photo Ref. No.

4A

4B



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Photo Ref. No.

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6B



Photo Ref. No.

7A

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Photo Ref. No.

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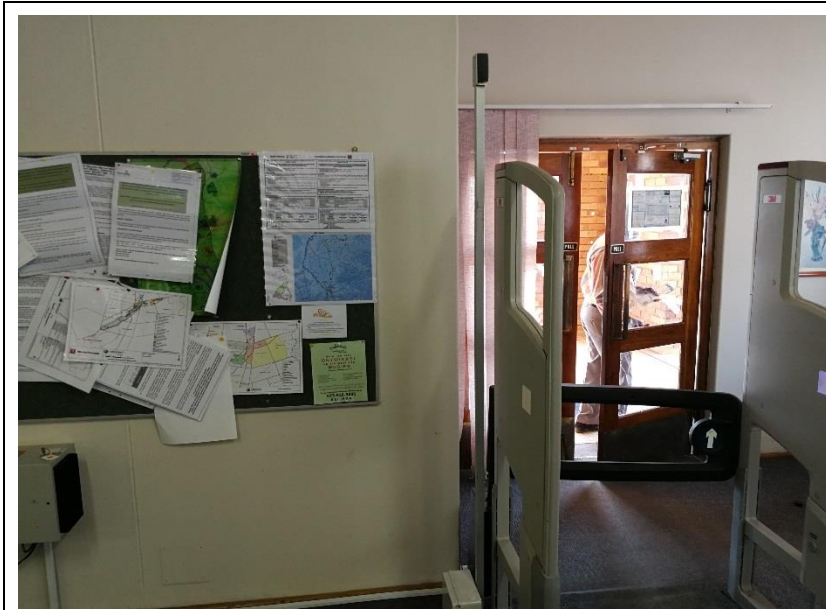


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9B

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10A



10B

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11A

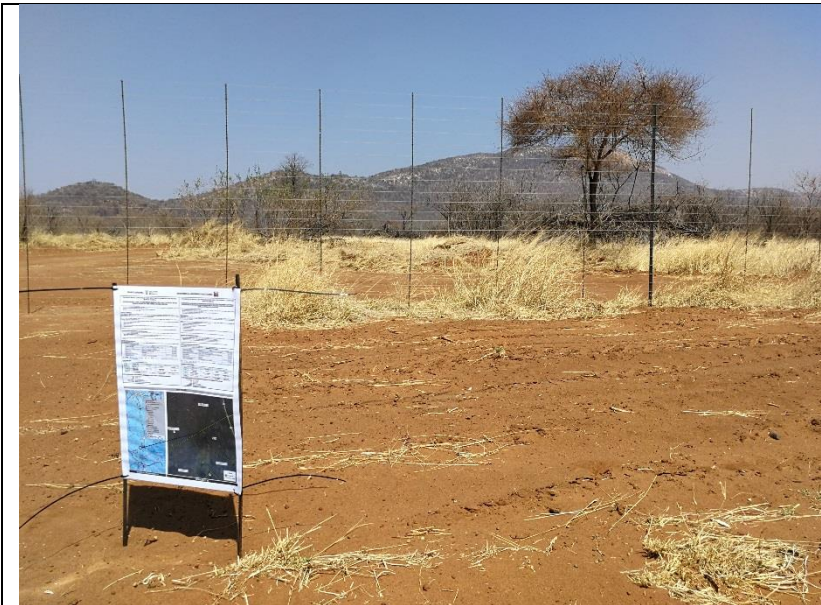
11B



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12A

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13A



13B

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14A



14B

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18A

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