

Comprehensive Geological and Mining Solutions

# **BID DOCUMENT / PRESENTATION**

**(PUBLIC PARTICIPATION PROCESS PRESENTATION TO I&APs)**

**BADFONTEIN 531 KS [PORTION OF]**

**DMRE REF.: LP15061PR**

**Venue:**

**TBC.**

**Venue Coordinates:**

**Date & Time:**

**TBC.**

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1. Key Features
2. Presentation of the Background Information Document
  - 2.1 Project Description / Planned Prospecting Work
  - 2.2 Public Participation Process (PPP)
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3. Verbal Questions, Comments and Advices by the I&APs
4. Filling in of the Comments Sheets by the I&APs
5. Closure

# BID DOCUMENT

Project	Basic Assessment Process for a Prospecting Right
Applicant	Makidimela Holdings (Pty) Ltd
Activity	Listing Notice 1: Activity 20 & 27 (As amended 17 April 2017)
Property / Farm(s):	Badfontein 531 KS [Portion of]
EAP	MTP GeoMine
Date	July 2023

## PURPOSE OF THIS DOCUMENT

- Produce an overview of the proposed and the Basic Assessment Process to be followed
- Invite interested & Affected Parties to participate in the process

## Background Information Document

### INTRODUCTION

Makidimela Holdings (Pty) Ltd has applied for environmental authorization for a Prospecting Right. The intent is to prospect for Iron Ore + Titanium + Phosphate + Feldspar + Lithium + Limestone + Dolomitic Lime + Magnesite + Silica x5 + Sand x3 + Stone Aggregate from Waste Dump + Stone Aggregate (Gravel) + Aggregate (Road Metal) + Quartz x2 + Calcite + Rare Earths + Diamonds + Gemstones ex Diamonds. The application was submitted to the DMRE, accepted and assigned a reference number LP30/5/1/1/2/15061PR.

A Prospecting Right application triggers a listed activity that may not commence without an Environmental Authorisation in terms of the EIA Regulations, 2014 promulgated under the NEMA Listing Notice 1, of the EIA Regulations of 4 December 2014 (as amended), which lists the activities that require a Basic Assessment Process to be carried out as part of the authorisation process.

Upon review of the application by the DMRE, Makidimela Holdings (Pty) Ltd has been instructed to proceed with the public participation process and compilation of the Basic Assessment Report (BAR).

The application covers 1016 Ha as the entire Prospecting Right area. The farm is located about 62 km South of Polokwane Town, within the Lepelle-Nkumpi Local Municipality. The physical impact of invasive prospecting activities will be on less than 1 hectare. Refer to maps below for an indication of boundary of the prospecting right application area and initial identified location of boreholes.

# KEY FEATURES

<b>Competent Person:</b>	<b>Mr. Arnold Muindisi, BSc (Gen)., BSc. Hons (Geol)-Wits, GDE (MRE), MSc. Eng (Mining)-Wits, Pr.Sci.Nat, MGSSA, MGASA.</b>
<b>Date Prepared:</b>	<b>July 2023</b>
<b>Prepared for:</b>	<b>Makidimela Holdings (Pty) Ltd</b>
<b>Purpose:</b>	<b>Consultative Meeting with the Land Owners and Participation of Interested and Affected Persons regarding the Prospecting Right Application by Makidimela Holdings (Pty) Ltd on farm Badfontein 531 KS [Portion of]</b>
<b>Property or Farm/s:</b>	<b>Badfontein 531 KS [Portion of]</b>
<b>General Location:</b>	<b>+/- 62 km South of Polokwane Town, Limpopo Province, Republic of South Africa</b>
<b>Mineral Rights:</b>	<b>Makidimela Holdings (Pty) Ltd's Prospecting Right application accepted by the DMRE.</b>
<b>Surface Rights:</b>	<b>Badfontein 531 KS – Government of the RSA.</b>
<b>Deposit Type / Geology:</b>	<b>The Lebowa Granite Sui and the Pretoria Group of the Transvaal Spgrp in the geologically well-known Bushveld Complex in the Eastern Limb.</b>
<b>Minerals applied for:</b>	<b>Iron Ore + Titanium + Phosphate + Feldspar + Lithium + Limestone + Dolomitic Lime + Magnesite + Silica x5 + Sand x3 + Stone Aggregate from Waste Dump + Stone Aggregate (Gravel) + Aggregate (Road Metal) + Quartz x2 + Calcite + Rare Earths + Diamonds + Gemstones ex Diamonds.</b>
<b>Project size:</b>	<b>1016 Ha</b>
<b>Project Works Summary:</b>	<b>Desktop studies and Sampling of Exposed rock / reef; Geological Mapping; Geochemical Sampling and Geophysical surveys; Trenching and Sampling; Drilling and Sampling; Technical Evaluation; and Economic Viability / Feasibility studies.</b>

# BID DOCUMENT

*Continued...*

## Project Description

The intent is to prospect for Iron Ore + Titanium + Phosphate + Feldspar + Lithium + Limestone + Dolomitic Lime + Magnesite + Silica x5 + Sand x3 + Stone Aggregate from Waste Dump + Stone Aggregate (Gravel) + Aggregate (Road Metal) + Quartz x2 + Calcite + Rare Earths + Diamonds + Gemstones ex Diamonds.

## PROSPECTING ACTIVITIES WILL ENTAIL THE FOLLOWING:

### Combined Phases - Non-invasive + Invasive

- Desktop studies/at a later stage Feasibility study investigation/mineral resource estimation
- Drilling + Ground geophysical survey, airborne radiometric and magnetic survey, geological mapping, exposed rock sampling, stream and soil sampling.

### Combined Phases – Invasive + Non - Drilling Programme of 10 holes:

- Sampling of exposed rocks / reef.
- Drilling and Trenching, and then sampling. Goes hand in hand with the minimal local recruitment.
- Access track to drill sites. An estimated 2000m of access roads and less than 2.3m wide is expected
- Demarcation of drill pad (20m by 20m) per pad, a total of 10 pads
- Implement percussion drilling and diamond drilling
- Stores/ablution/security required for drilling
- Core storage
- Sampling and analysis to be conducted in a recognised laboratory
- Established accommodation in the area to be used if available
- Local water resources to be used for both drilling and potable requirements

### Combined Phases – Invasive + Non

- Further drilling, if needed.
- Geological modelling and resource estimation
- Completion of economic study
- Preparation of bulk sampling / mining right application. Or Closure of the project if not economically viable.

# BID DOCUMENT

## REHABILITATION & IMPACTS MANAGEMENT

POTENTIAL IMPACT	ASPECTS AFFECTED	MITIGATION TYPE
Reduce environmental impact through proper planning	Environmental	<p>Avoid impacts by:</p> <p>Once the ideal position from a geological point of view is determined apply appropriate environmental buffers:</p> <ul style="list-style-type: none"> <li>• 100m from water course</li> <li>• 100m from any infrastructure</li> <li>• 50m from any heritage site</li> </ul>
Current landuse	Ability to use land during drilling activities.	<p>Modify and avoid landuse disturbance by:</p> <ul style="list-style-type: none"> <li>• Prior to finalization of drill site or drilling activities, reconsult with the applicable land owner / occupier.</li> <li>• Implement reasonable request from the I&amp;APs</li> <li>• Maintain a minimum of 50m buffer from any infrastructure.</li> </ul>
Social	Local residents	<p>Avoid safety concern by:</p> <ul style="list-style-type: none"> <li>• Fence off each drill site</li> <li>• Ensure that security maintain the fenced area free of any pedestrian traffic.</li> <li>• Controlled and agreed access into private properties to ensure security of the residents.</li> </ul>
Dust	Dust nuisance from drilling activities	<p>Control dust emissions by:</p> <ul style="list-style-type: none"> <li>• Ensure that the drill rig has appropriate dust suppression systems. NB: Water used for cooling the drill-bit will also help in this regard.</li> </ul>
Noise	Noise impacting on nearby receptors	<p>Control and avoid noise by:</p> <ul style="list-style-type: none"> <li>• Maintain the drill rig</li> <li>• If necessary restrict drilling activities to daytime hours only.</li> </ul>

# BID DOCUMENT

## REHABILITATION & IMPACTS MANAGEMENT

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POTENTIAL IMPACT	ASPECTS AFFECTED	MITIGATION TYPE
Fauna / Flora	Clearing of land removing flora and habitat for fauna	Avoid ecological impacts by: <ul style="list-style-type: none"> <li>• Only clear land required to facilitate drilling activities</li> <li>• Avoid deep clear and grub (avoid uprooting)</li> <li>• Avoid termite mounds</li> <li>• Avoid trees</li> <li>• Revegetation</li> <li>• Where possible close to existing access tracks</li> </ul>
Loss of topsoil	Topsoil not effectively stored and lost. Related mainly to trenching, etc.	Avoid loss of topsoil by: <ul style="list-style-type: none"> <li>• Store all topsoil adjacent to the area from where is removed</li> <li>• Back-fill rocks first and top up with the topsoil for easy revegetation.</li> </ul>
Cultural / Heritage	Any grave / protected building	Avoid cultural and heritage impacts by: <ul style="list-style-type: none"> <li>• Maintain a minimum of 50m buffer from any identified site.</li> <li>• Relocate drill sites away.</li> </ul>
Pollution from hydrocarbon spills (e.g. Oil and Diesel)	Water resources	Control and remedy impact of spills by: <ul style="list-style-type: none"> <li>• Vehicle inspection checklist to be used daily</li> <li>• Use of drip trays</li> <li>• Clean up minor spills</li> </ul>
Water Resources	Any watercourse	Avoid impacts on water resources by: <ul style="list-style-type: none"> <li>• Maintain 100m buffer from any water course (wetland or stream).</li> <li>• Cap the borehole by weld to ensure no contamination.</li> </ul>
Environment	Land use	Remedy impact by: <ul style="list-style-type: none"> <li>• Close / back-fill trenches</li> <li>• As and when a drill site is complete, the land must be subjected to rehabilitation activities to restore the land to pre drilling status as much as possible.</li> </ul>

# BID DOCUMENT

## PUBLIC PARTICIPATION PROCESS

### PROSPECTING RIGHT GRANTING

- Once all processes and procedures as per the MPRDA and NEMA and related Regulations are concluded and satisfied / met, the Minister will grant the Prospecting Right.
- The Prospecting Right will be valid for a period not exceeding five (5) years from the effective date (after all the processes and procedures).
- The Applicant company has the exclusive right to apply for and be granted a renewal of the Prospecting Right in respect of the mineral/s and prospecting area in question.
- The Prospecting Right may be renewed once for a period not exceeding three years. This means that the Prospecting Right can run for a period of eight (8) years.
- The Applicant company has the exclusive right to apply for and be granted a Mining Right in respect of the mineral/s and prospecting area in question.
- An accepted Mining Right application also triggers further consultations with the landowner, lawful occupier and any interested and affected party.
- An accepted Mining Right application also triggers Mining Charter free issue shares to the affected community and a submission of a Social and Labour Plan (SLP). The SLP addresses, *inter alia*, plans on Skills Development, Recruitment, Local Development (Socio-economic and Infrastructure projects, local procurement).
- A Mining Right will be valid for a period not exceeding thirty (30) years from the effective date (after all the processes and procedures).
- A Mining Right may be renewed for further periods, each of which may not exceed 30 years at a time.



# BID DOCUMENT

## PUBLIC PARTICIPATION PROCESS

### ENVIRONMENTAL AUTHORISATION PROCESS

- The aim of the basic assessment process is to identify and assess the potential impacts associated with the proposed project and to develop management measures that can assist with the mitigation of such impacts.
- I&APs include a realm of members of public or stakeholders that may have a direct or indirect interest in the project. I&APs are encouraged to participate in the project through public consultation process described further below.
- MTP GeoMine is responsible for designing and assisting in carrying out the public participation process, communicating with I&APs as well as writing and submitting the Basic Assessment Report (BAR) within 90 days from date of acceptance (Reg. 19(1)). This is subject to a minimum of 30 days' window period of PPP (Reg. 3(8) & 19(1)(a)).
- The Competent Authority for this basic assessment is the DMRE, whom is responsible for treating the inputs of I&APs fairly as well making a decision regarding the application within 107 days from date of submission (Reg. 20(1)).

## PUBLIC PARTICIPATION PROCESS

### The role of an I&AP is to:

- Register with EAP, who will include you on a database called the **I&AP Register** in order for you to receive future project information and/or formally record issues and concerns (comments).
- Access project information that is made available to you in order to provide feedback within the required timeframe.
- Communicate with the EAP to raise your comments and advices so that they can be included and addressed within the BAR and be submitted to the DMRE.

### *As I&AP, you are requested to please provide the following information, on the comment form attached.*

- Indicate the location of any environmental and heritage features on site
  - If any, propose suggestions as to how and to what standard the impacts on site can be managed, avoided or remedied.
- How do you consider the proposed activities will impact on you or your socio-economic conditions?
  - If any, please provide written responses stating your suggestions to manage, avoid or remedy the anticipated impacts.
  - Consideration must be made to potential impacts on infrastructure and how they may be managed, avoided or remedied.
- State your current land uses (e.g. Residential, Agricultural, Retail, any other)
- Indicate your property location relative to the area under application

## PUBLIC PARTICIPATION PROCESS

### WAY FORWARD

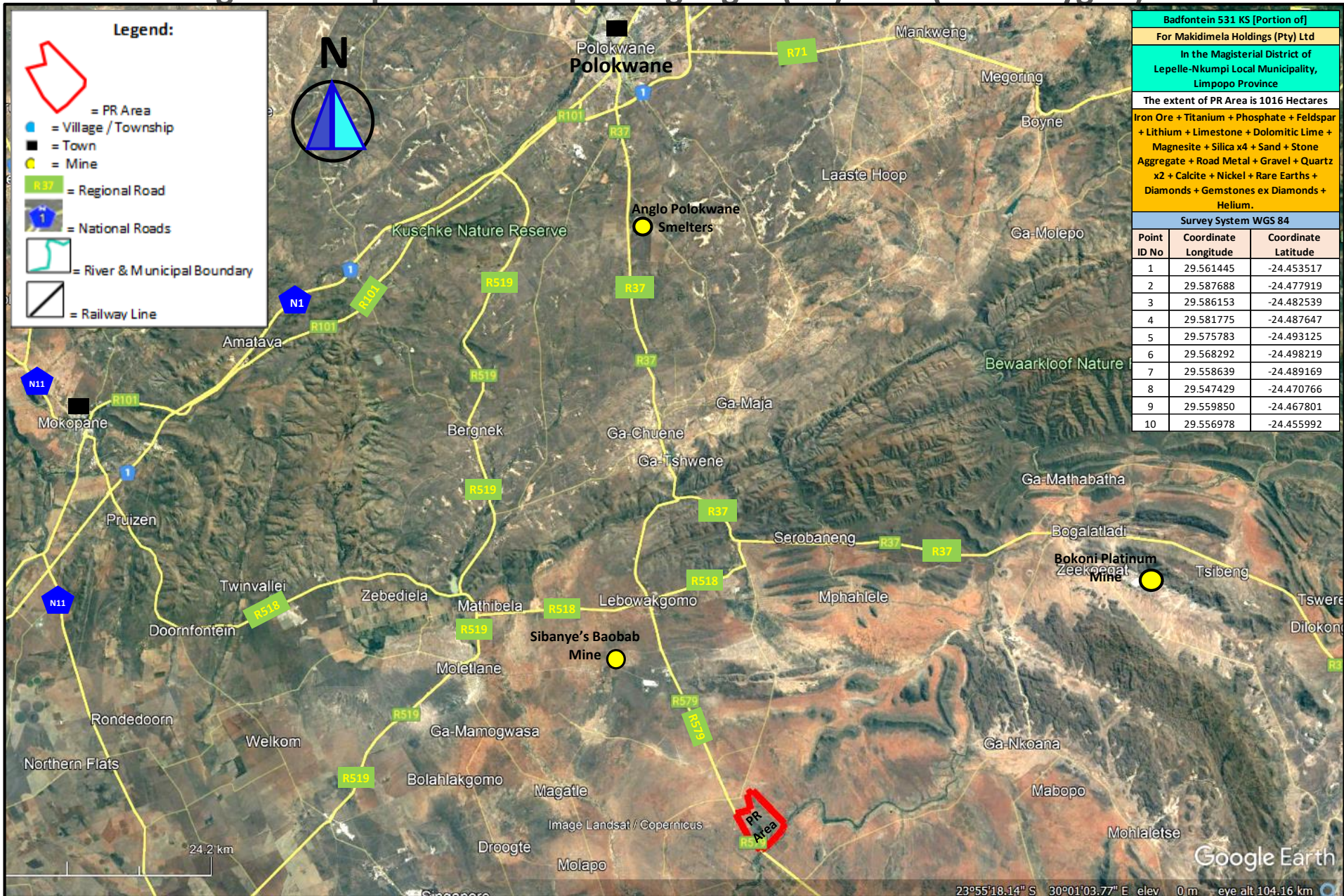
- Upon receipt of comments from I&APs, you will be registered onto a database. As a registered I&AP you shall be notified of the project updates.
- All registered I&APs are being / will be afforded the opportunity to provide further comments on the draft BAR & the BID Document.
- The comments of the I&APs will be included in the report/s to the DMRE for consideration.

### PUBLIC PARTICIPATION PROCESS MEETING

- A Public Participation Process meeting is scheduled as detailed on the first page of this document.



# Regional Map of the Prospecting Right (PR) area (Red Polygon)



**Badfontein 531 KS [Portion of]**  
**For Makdimela Holdings (Pty) Ltd**  
**In the Magisterial District of**  
**Lepelle-Nkumpi Local Municipality,**  
**Limpopo Province**

The extent of PR Area is 1016 Hectares

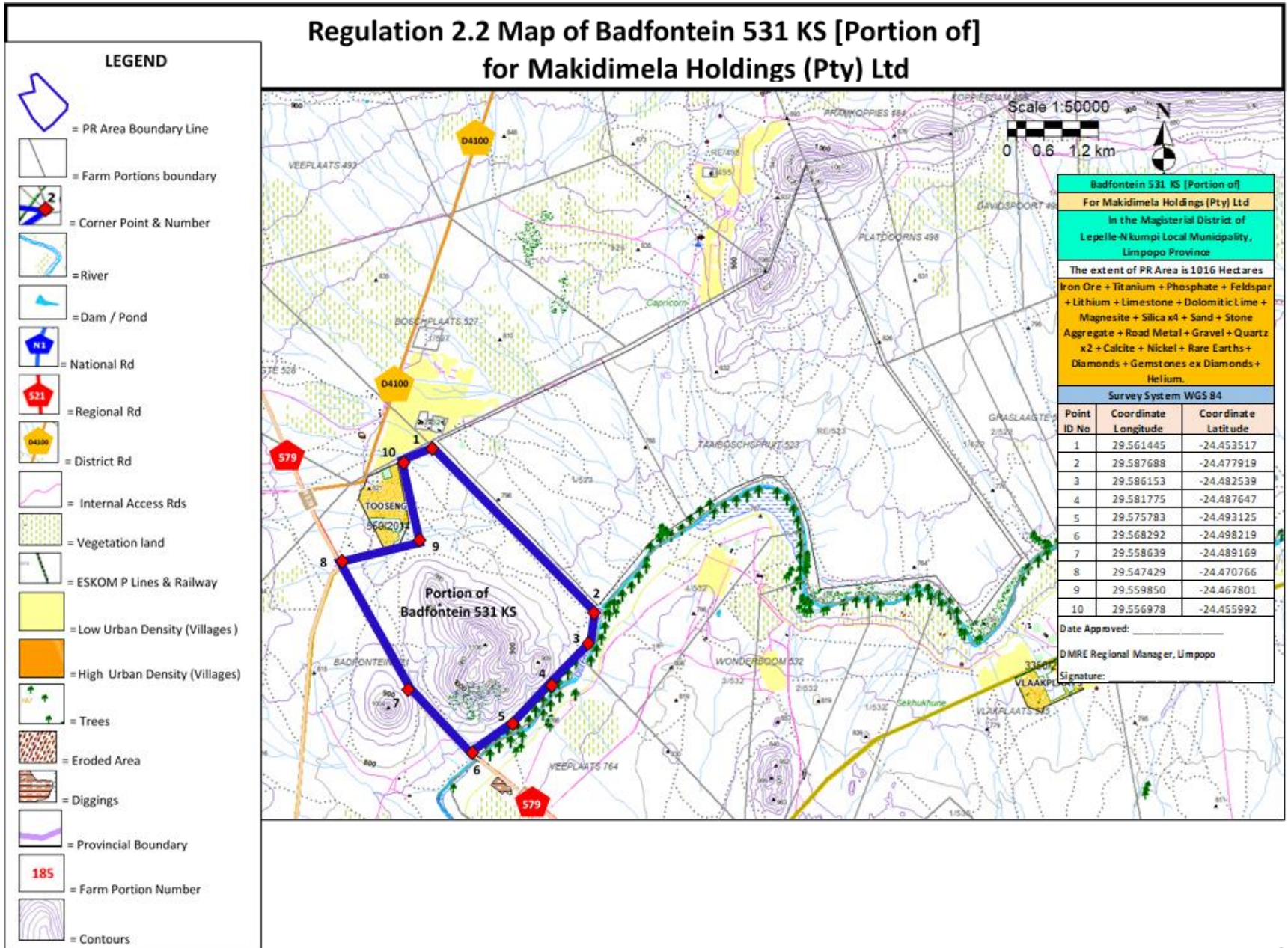
**Iron Ore + Titanium + Phosphate + Feldspar  
 + Lithium + Limestone + Dolomitic Lime +  
 Magnesite + Silica x4 + Sand + Stone  
 Aggregate + Road Metal + Gravel + Quartz  
 x2 + Calcite + Nickel + Rare Earths +  
 Diamonds + Gemstones ex Diamonds +  
 Helium.**

Survey System WGS 84

Point ID No	Coordinate Longitude	Coordinate Latitude
1	29.561445	-24.453517
2	29.587688	-24.477919
3	29.586153	-24.482539
4	29.581775	-24.487647
5	29.575783	-24.493125
6	29.568292	-24.498219
7	29.558639	-24.489169
8	29.547429	-24.470766
9	29.559850	-24.467801
10	29.556978	-24.455992



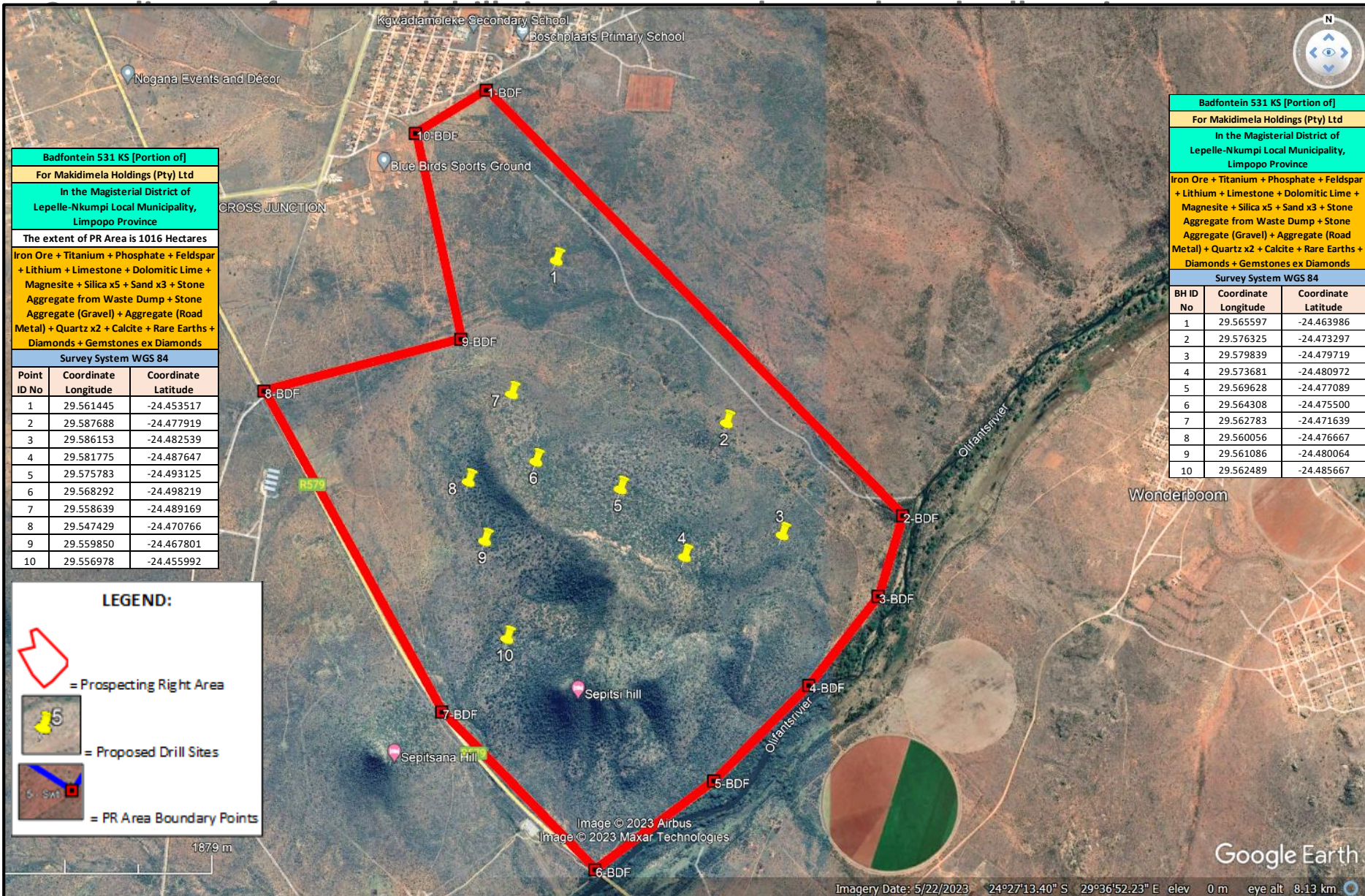
# MPRDA Regulation 2.2 Map of the Prospecting Right (PR) area (Blue outline)





# Google Earth map of the Prospecting Right (PR) area

- The Badfontein 531 KS' Prospecting Right (PR) area (Red polygon).



## PUBLIC PARTICIPATION PROCESS

### CONTACT US

Please contact Arnold Muindisi of MTP GeoMine (Pty) Ltd to raise your queries, comments or concerns at the following details:

Tel/Cell: +27 71 012 2607 / 081 439 7788 / 076 897 4082

Fax: +27 86 758 2869 / 086 512 6724

Email: [arnold.muindisi@gmail.com](mailto:arnold.muindisi@gmail.com)

A comment form for your use is attached / issued for your comments and advices. Please fill it in.

# QUESTIONS, COMMENTS, ADVISES

- Verbal Questions, Comments, Advises
- Completion, filling in of the I&APs' and Comments Sheet.
- Closure

Thank You!!