



Comprehensive Geological and Mining Solutions

BID DOCUMENT / PRESENTATION

(PUBLIC PARTICIPATION PROCESS PRESENTATION TO I&APs)

HAMMAN 747 LT (PART OF)
DMRE REF.: LP14971PR

Venue:
Farm Road (Cnr. D3260 & D1191 Roads)

Date & Time:
Friday, 25 August 2023 from 08:00am.

CONTENTS

1. Key Features
2. Presentation of the Background Information Document
 - 2.1 Project Description / Planned Prospecting Work
 - 2.2 Public Participation Process (PPP)
 - 2.3 Maps of the Prospecting Right area and Drill Sites
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	Barwa Ba Phaladi Mining and Projects CC
Activity	Listing Notice 1: Activity 20 & 27 (As amended 17 April 2017)
Property / Farm(s):	Hamman 747 LT (Part 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

Barwa Ba Phaladi Mining and Projects CC has applied for environmental authorization for a Prospecting Right. The intent is to prospect for Gold + Antimony + Silver + Nickel + Iron Ore + Vanadium + Titanium + Phosphate + Vermiculite + Kyanite + Feldspar + Mica + Quartz + Silica + Silicon. The application was submitted to the DMRE, accepted and assigned a reference number LP30/5/1/1/2/14971PR.

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, Barwa Ba Phaladi Mining and Projects CC has been instructed to proceed with the public participation process and compilation of the Basic Assessment Report (BAR).

The application covers 1978 Ha as the entire Prospecting Right area. The farm is located about 28 km North West of Phalaborwa Town, within the Ba-Phalaborwa 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

Competent Person:	Mr. Arnold Muindisi, BSc (Gen)., BSc. Hons (Geol)-Wits, GDE (MRE), MSc. Eng (Mining)-Wits, Pr.Sci.Nat, MGSSA, MGASA.
Date Prepared:	July 2023
Prepared for:	Barwa Ba Phaladi Mining and Projects CC
Purpose:	Consultative Meeting with the Land Owners and Participation of Interested and Affected Persons regarding the Prospecting Right Application by Barwa Ba Phaladi Mining and Projects CC on farms Hamman 747 LT (Part of)
Property or Farm/s:	Hamman 747 LT (Part of)
General Location:	+/- 28 km North West of Phalaborwa Town, Limpopo Province, Republic of South Africa
Mineral Rights:	Barwa Ba Phaladi Mining and Projects CC (Pty) Ltd's Prospecting Right application accepted by the DMRE.
Surface Rights:	Hamman 747 LT - National Government of South Africa of Rural
Deposit Type / Geology:	The Barberton Supergroup, the Rubbervale and Leydsdorp Formations of the Gravelotte Group and the Mulati Formation of the Gravelotte Group.
Minerals applied for:	Gold + Antimony + Silver + Nickel + Iron Ore + Vanadium + Titanium + Phosphate + Vermiculite + Kyanite + Feldspar + Mica + Quartz + Silica + Silicon
Project size:	1978 Ha

Project Works Summary:	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.
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BID DOCUMENT

Continued...

Project Description

The intent is to prospect for Gold + Antimony + Silver + Nickel + Iron Ore + Vanadium + Titanium + Phosphate + Vermiculite + Kyanite + Feldspar + Mica + Quartz + Silica + Silicon.

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 15 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 15 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	Avoid impacts by: Once the ideal position from a geological point of view is determined apply appropriate environmental buffers: <ul style="list-style-type: none"> • 100m from water course • 100m from any infrastructure • 50m from any heritage site
Current landuse	Ability to use land during drilling activities.	Modify and avoid landuse disturbance by: <ul style="list-style-type: none"> • Prior to finalization of drill site or drilling activities, reconsult with the applicable land owner / occupier. • Implement reasonable request from the I&APs • Maintain a minimum of 50m buffer from any infrastructure.
Social	Local residents	Avoid safety concern by: <ul style="list-style-type: none"> • Fence off each drill site • Ensure that security maintain the fenced area free of any pedestrian traffic. • Controlled and agreed access into private properties to ensure security of the residents.
Dust	Dust nuisance from drilling activities	Control dust emissions by: <ul style="list-style-type: none"> • Ensure that the drill rig has appropriate dust suppression systems. NB: Water used for cooling the drill-bit will also help in this regard.
Noise	Noise impacting on nearby receptors	Control and avoid noise by: <ul style="list-style-type: none"> • Maintain the drill rig • If necessary restrict drilling activities to daytime hours only.

BID DOCUMENT

REHABILITATION & IMPACTS MANAGEMENT

Continued...

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"> • Only clear land required to facilitate drilling activities • Avoid deep clear and grub (avoid uprooting) • Avoid termite mounds • Avoid trees • Revegetation • Where possible close to existing access tracks
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"> • Store all topsoil adjacent to the area from where is removed • Back-fill rocks first and top up with the topsoil for easy revegetation.
Cultural / Heritage	Any grave / protected building	Avoid cultural and heritage impacts by: <ul style="list-style-type: none"> • Maintain a minimum of 50m buffer from any identified site. • Relocate drill sites away.
Pollution from hydrocarbon spills (e.g. Oil and Diesel)	Water resources	Control and remedy impact of spills by: <ul style="list-style-type: none"> • Vehicle inspection checklist to be used daily • Use of drip trays • Clean up minor spills
Water Resources	Any watercourse	Avoid impacts on water resources by: <ul style="list-style-type: none"> • Maintain 100m buffer from any water course (wetland or stream). • Cap the borehole by weld to ensure no contamination.
Environment	Land use	Remedy impact by: <ul style="list-style-type: none"> • Close / back-fill trenches • 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.

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

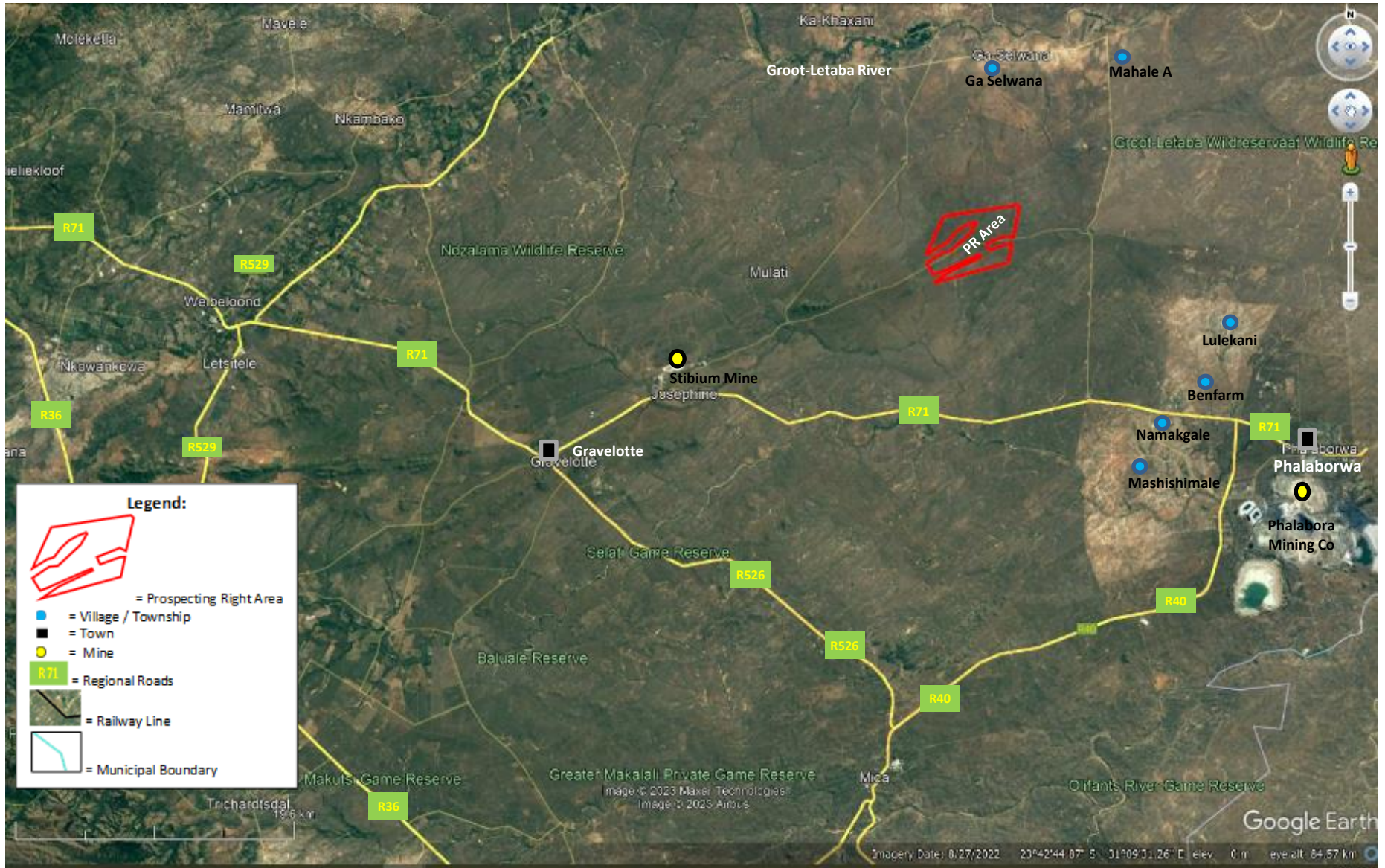
WAY FORWARD

- 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)

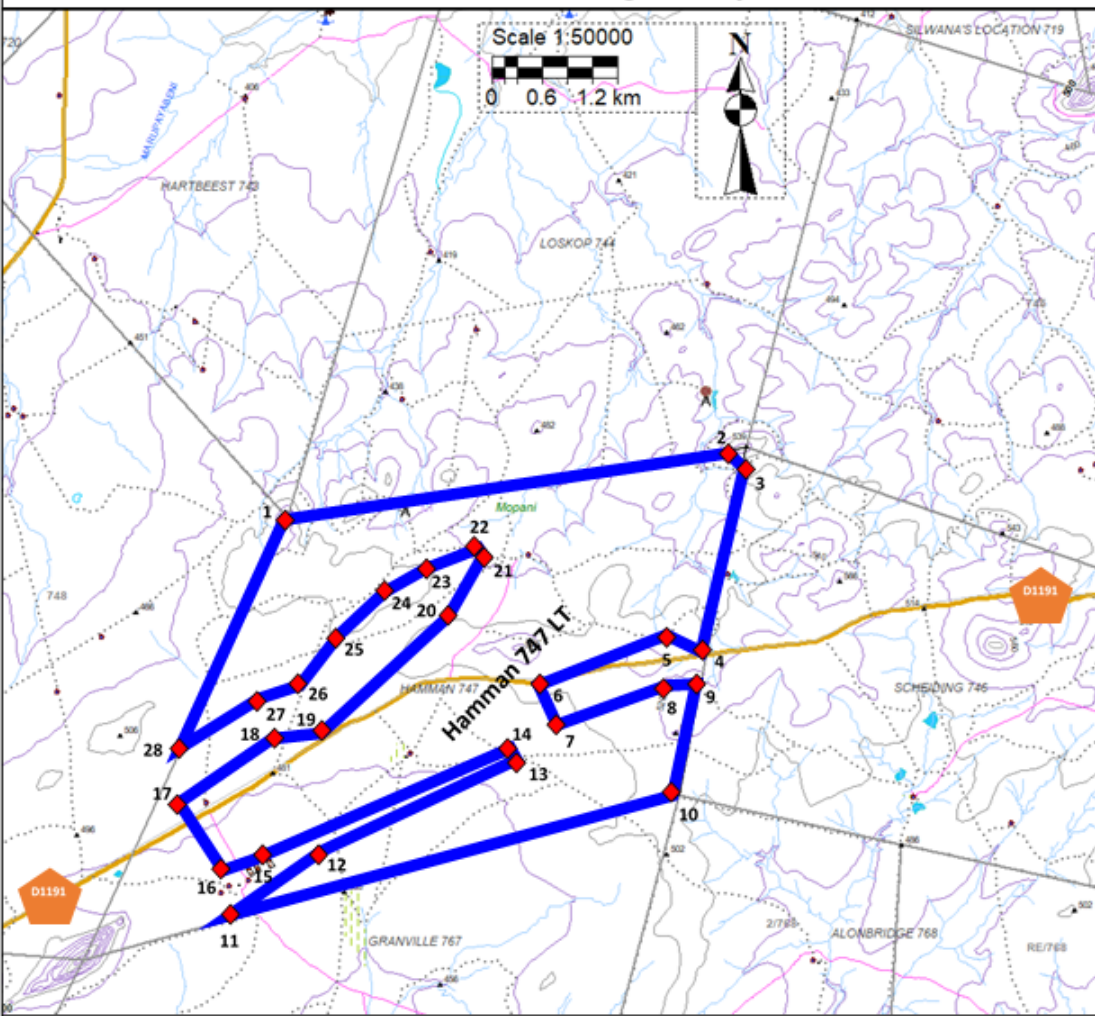


MPRDA Regulation 2.2 Map of the Prospecting Right (PR) area (Blue outline)

Regulation 2.2 Map of Portion of Hamman 747 LT for Barwa Ba Phaladi Mining & Projects CC

LEGEND

-  = PR Area Boundary Line
-  = Corner Point & Number
-  = River
-  = Dam / Pond
-  = National Rd
-  = Regional Rd
-  = District Rd
-  = Internal Access Rds
-  = Railway Line
-  = Vegetation land
-  = ESKOM Power Lines
-  = High Urban Density (Villages)
-  = Low Urban Density (Villages)
-  = Trees
-  = Farm Portions Boundaries
-  = Farm Portion Number
-  = Eroded Area
-  = Diggings
-  = Contours
-  = Mine Shaft

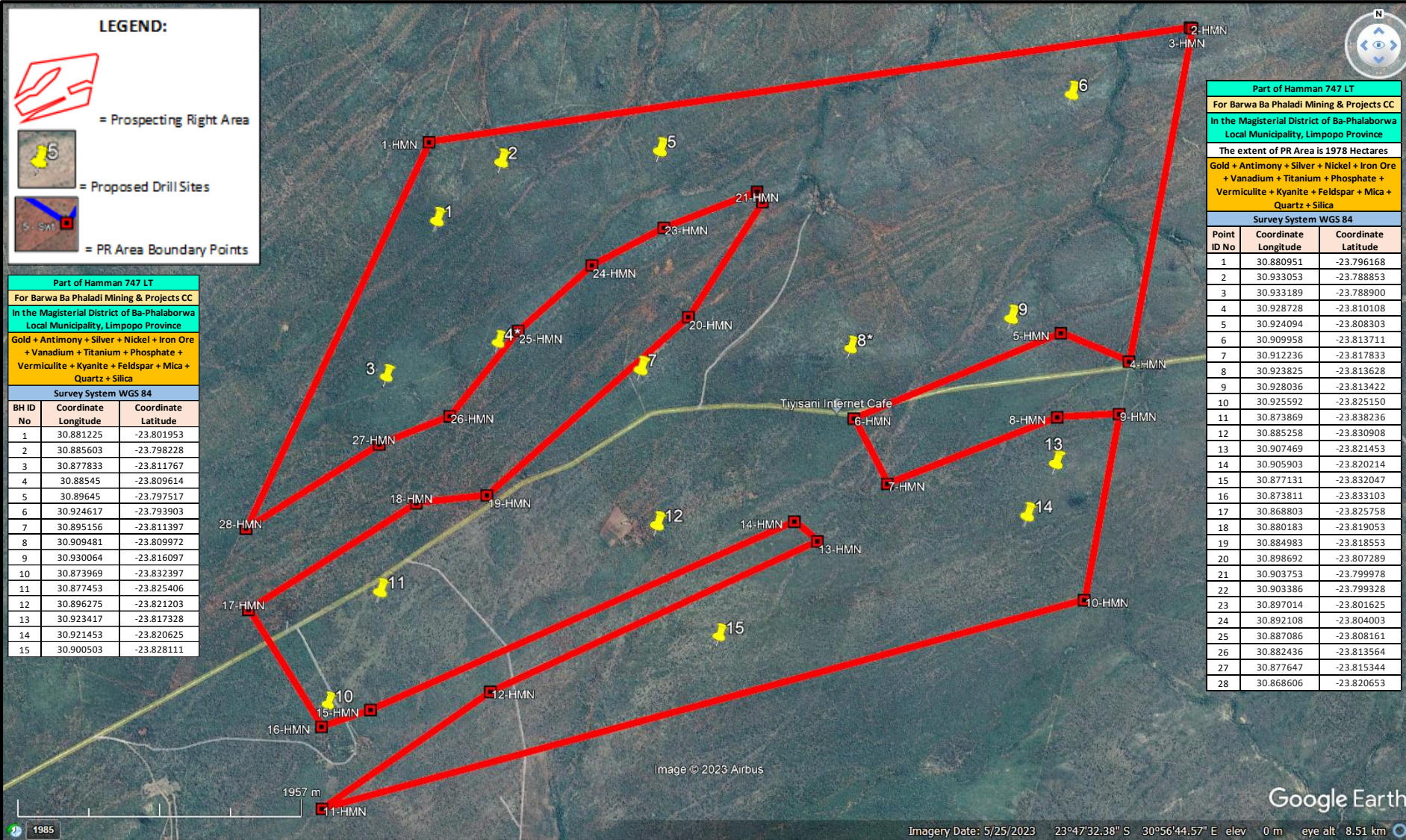


Hamman 747 LT		
For Barwa Ba Phaladi Mining & Projects CC		
In the Magisterial District of Ba Phalaborwa Local Municipality, Limpopo Province		
The extent of PR Area is 1978 Hectares		
Gold + Antimony + Silver + Nickel + Iron Ore + Vanadium + Titanium + Phosphate + Vermiculite + Kyanite + Feldspar + Mica + Quartz + Silica		
Survey System WGS 84		
Point ID No	Coordinate Longitude	Coordinate Latitude
1	30.880951	-23.796168
2	30.933053	-23.788853
3	30.933189	-23.788900
4	30.928728	-23.810108
5	30.924094	-23.808303
6	30.909958	-23.813711
7	30.912236	-23.817833
8	30.923825	-23.813628
9	30.928036	-23.813422
10	30.925592	-23.825150
11	30.873869	-23.838236
12	30.885258	-23.830908
13	30.907469	-23.821453
14	30.905903	-23.820214
15	30.877131	-23.832047
16	30.873811	-23.833103
17	30.868803	-23.825758
18	30.880183	-23.819053
19	30.884983	-23.818553
20	30.898692	-23.807289
21	30.903753	-23.799978
22	30.903386	-23.799328
23	30.897014	-23.801625
24	30.892108	-23.804003
25	30.887086	-23.808161
26	30.882436	-23.813564
27	30.877647	-23.815344
28	30.868606	-23.820653

Date Approved: _____
DMRE Regional Manager, Limpopo
Signature: _____

Google Earth map of the Prospecting Right (PR) area

- The Hamman 747 LT (Part of)'s Prospecting Right (PR) area (Red polygon).
- Co-ordinates of proposed drill sites appear as the numbered yellow pins.



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

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!!