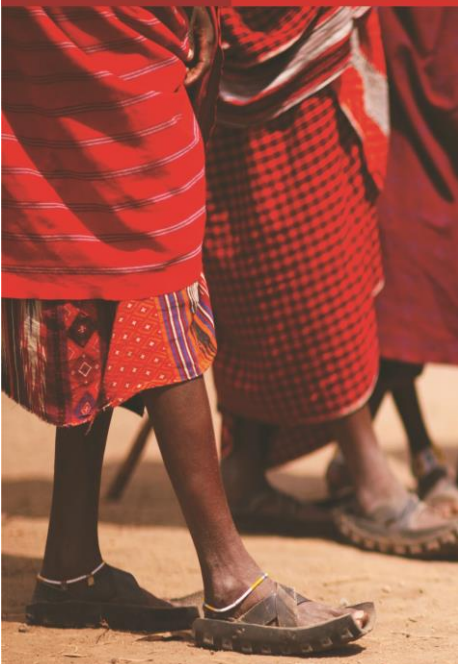


DIGBY WELLS

ENVIRONMENTAL



De Grooteboom Mining Permit Application and Associated Environmental Management Plan

Notification of Intent to Develop

Project Number:

UAR2967

Prepared for:

De Groote Boom Minerals (Pty) Ltd

Date:

22 April 2015

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This document has been prepared by Digby Wells Environmental.

Report Type:	Notification of Intent to Develop
Project Name:	De Grootboom Mining Permit Application and Associated Environmental Management Plan
Project Code:	UAR2967

Name	Responsibility	Signature	Date
Natasha Higgitt Assistant Heritage Consultant ASAPA Member No.335	Notification of Intent to Develop		22 April 2015

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1 Introduction

Digby Wells Environmental (hereafter Digby Wells) was appointed by De Groot Boom (Pty) Ltd (hereafter De Groot Boom), to compile and submit an Environmental Management Plan (EMP), pursuant to an application for a mining permit for the De Grootboom Project (DGP). The EMP and Mining Permit Application (MPA) are requirements in terms of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002) (MPRDA) (*as amended*) which will be submitted to the Limpopo Department of Mineral Resources (DMR).

This serves as the Notification of Intent to Develop (NID) for the DGP.

2 Project Location

Province	Limpopo Province
District Municipality	Greater Sekhukhune District Municipality
Local Municipality	Greater Tubatse Local Municipality
Nearest Town	Steelpoort (13 km)
Property Name and Number	De Grootboom 373 KT, Remaining Extent and Portion 2
1: 50 000 Map Sheet	2430 CC
GPS Co-ordinates	-24.923100
(relative centre point of study area)	30.133390

2.1 Registered Owner/s of Property/ies

Name	Property	Notified
Jacob Ryno Le Grange	De Grootboom 373 KT Remaining Extent	Yes
4U2 Farm 002 CC	De Grootboom 373 KT Portion 2	Yes

3 Project / Development Details

De Groot Boom is conducting prospecting activities on the farm De Grootboom 373 KT, Greater Tubatse Local Municipality, Limpopo Province. The prospecting rights include exploration of minerals Chrome ore, Platinum Group Metals, Gold Ore and all minerals.

De Groot Boom now proposes to mine primarily Chrome and also associated Platinum Group Metals (PGMs) covering an extent of not more than 5 ha on the Remaining Extent and Portion 2 of the farm De Grootboom 373 KT.

The project entails a construction phase, mining phase and possibly a decommissioning phase. The decommissioning phase will only be applicable if the project does not proceed to a longer term mining operation. It is possible that after competing work under the mining permit, De Groot Boom will commence with full scale mining of Chrome and PGMs in terms of a mining right that would be applied for at that stage.



The project activities are listed below. It must be noted that these are not listed activities only project activities.

Activity	Description
Construction Phase	
1	Augmenting existing roads
2	Construction of pollution control dam (PCD)
3	Transport of construction material, mobile plant and equipment to the site; and movement of haul trucks and excavator on haul roads
4	Storage of material / diesel at site in temporary facilities
5	Site clearing and topsoil removal for mining operation area; and construction of mining cut
6	Preparing an area of approximately 2-3 ha for portable plant and infrastructure (crushing, screening, workshops, ablation and offices etc.) and stock piling
7	Use of existing drilled / new boreholes
Sampling phase	
8	Storage of fuel and lubricants in temporary facilities
9	Topsoil removal and stockpiling; and extraction and transportation of ore
10	Vehicular activity on haul roads; and operation of mining equipment
11	Crushing and screening of ore in mobile plant
12	Stockpiling material
13	Water management
14	Waste generation and disposal (including sewage)
Decommissioning Phase	
15	Demolition / removal of portable and related infrastructure (if applicable)
16	Vehicular activity: removal of mobile plant / equipment and vehicles
17	Rehabilitation of site (As per surface use agreement roads, buildings etc. need not be rehabilitated)
It should be noted: There may be no decommissioning phase as the mining area will remain for	



subsequent mining should the project is viable.

3.1 NHRA Section 38 Triggers

The following aspects of Section 38 of the NHRA may be triggered by the proposed project.

NHRA Section 38 (1) Activities / Triggers		Summary description (e.g. 500 m conveyor belt, open cast pit, etc.)	
<input checked="" type="checkbox"/>	a	Any linear development or barrier >300 m	Power line in excess of 300 m Haul road in excess of 300 m
<input type="checkbox"/>	b	Any bridge or similar structure >50 m	
<input checked="" type="checkbox"/>	c	Any development or activity that will change the character of a site:	
<input checked="" type="checkbox"/>	i	≥5 000m ² in extent	Construction of pollution control dam, plant infrastructure (2-3 ha) and mining area (5 ha)
<input type="checkbox"/>	ii	Involving ≥3 existing erven/ subdivisions	
<input type="checkbox"/>	iii	Involving ≥3 or more erven/ divisions consolidated within past 5 years.	
<input type="checkbox"/>	d	Rezoning of a site ≥10 000m ² in extent.	
<input checked="" type="checkbox"/>	e	Other triggers, e.g.: in terms of other legislation, (i.e.: National Environment Management Act, etc.)	Mineral and Petroleum Resources Development Act, 2002 (MPRDA)

3.2 Additional Impact Assessment Process

The following impact assessment process/es are currently being undertaken for the proposed project.

Legislation, i.e. NEMA, MPRDA, etc.	MPRDA
Consenting Authority that has/will receive information	Department of Mineral Resources (DMR)
Present phase of process at Authority, e.g. Draft Scoping Report	EMP

4 Identified / Known Heritage Resources and Potential Impacts

The following categories of heritage resources as defined in Section 3 of the NHRA are known to occur within the proposed project area.

<input type="checkbox"/>	3(2)(a)	Places, buildings, structures and equipment of cultural significance
		Description of resource: None identified

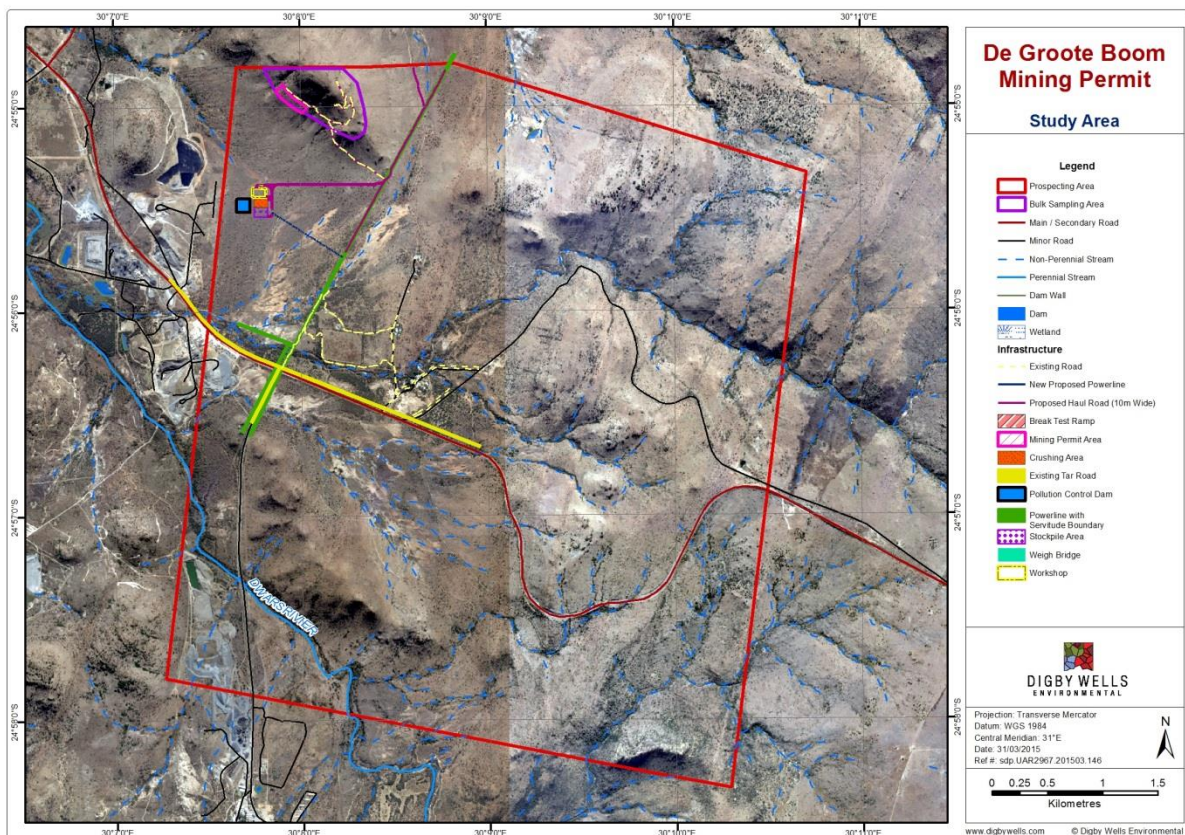


		Potential impact: Undetermined at present
<input type="checkbox"/>	3(2)(b)	<p>Places to which oral traditions are attached or which are associated with living heritage</p> <p>Description of resource: None identified</p> <p>Potential impact: Undetermined at present</p>
<input type="checkbox"/>	3(2)(c)	<p>Historical settlements and townscapes</p> <p>Description of resource: The property is not located in close proximity to any historical settlements</p> <p>Potential impact: None</p>
<input type="checkbox"/>	3(2)(d)	<p>Landscapes and natural features of cultural significance</p> <p>Description of resource: None</p> <p>Potential impact: None</p>
<input checked="" type="checkbox"/>	3(2)(e)	<p>Geological resources of scientific or cultural importance</p> <p>Description of resource: The Dwars Rivier Geological Occurrence is located 3 km from the proposed project</p> <p>Potential impact: The project is located 3 km from the site and therefore no impact is expected</p>
<input checked="" type="checkbox"/>	3(2)(f)	<p>Archaeology and/or palaeontology (<i>Including archaeological sites and material, fossils, rock art, battlefields & wrecks</i>)</p> <p>Description of resource: Heritage resources spanning from the Stone Age through to the Iron Age period have been identified in the local study area.</p> <p>Potential impact: Changes to the current conservation status and integrity of in situ sites, features and artefacts.</p>
<input type="checkbox"/>	3(2)(g)	<p>Graves and burial grounds (<i>e.g.: ancestral graves, graves of victims of conflict, historical graves & cemeteries</i>)</p> <p>Description of resource: Burial grounds and graves have been recorded within the local study area, but not within the site specific study area</p> <p>Potential impact: Undetermined at present</p>
<input type="checkbox"/>	3(2)(a)	<p>Other human remains</p> <p>Description of resource: None identified, but there is a possibility that human remains associated with archaeological sites may be found during the course of project development.</p>



		Potential impact: Accidental exposure and possible destruction of archaeological burials and remains.
<input type="checkbox"/>	3(2)(h)	Sites of significance relating to the history of slavery in South Africa
		Description of resource: No concrete evidence of the accepted definition of South African slavery exists in the region.
		Potential impact: None
<input type="checkbox"/>	3(2)(i)	Movable objects
		Description of resource: No culturally significant moveable objects other than artefacts associated with archaeological sites have been identified.
		Potential impact: None

4.1 Illustrative Material



5 Recommendation

Is a Heritage Impact Assessment required?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
If NO, provide motivation:		

**If YES, provide suggested components that may be required or undertaken during HIA.**

<input checked="" type="checkbox"/>	Archaeology	<input type="checkbox"/>	Architecture
<input type="checkbox"/>	Built Environment	<input type="checkbox"/>	Burial Grounds and Graves
<input type="checkbox"/>	Palaeontology	<input type="checkbox"/>	Public Participation
<input type="checkbox"/>	Townscapes	<input type="checkbox"/>	Visual Impact
<input type="checkbox"/>	Other:		

Exemption from further palaeontological assessment based on the location of the project within the Bushveld Complex is recommended

Recommendation made by:

Name: Natasha Higgitt

Capacity: Assistant Heritage Consultant