

July 11, 2022

CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870
(the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR



mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA

BASIC ASSESSMENT REPORT
and
ENVIRONMENTAL MANAGEMENT PROGRAMME REPORT

SUBMITTED FOR ENVIRONMENTAL AUTHORIZATIONS IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998 AND THE NATIONAL ENVIRONMENTAL MANAGEMENT WASTE ACT, 2008 IN RESPECT OF LISTED ACTIVITIES THAT HAVE BEEN TRIGGERED BY APPLICATIONS IN TERMS OF THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT, 2002 (MPRDA) (AS AMENDED).

NAME OF APPLICANT: **Crystal Blue Diamond Mining (Pty) Ltd.**
TEL NO: -
FAX NO: **082 410 3661**
POSTAL ADDRESS: -
PHYSICAL ADDRESS: **124 Meyer Street, Loerie Park, George, 6529**
FILE REFERENCE NUMBER SAMRAD: **FS 30/5/1/1/2/10647 MP**

1. IMPORTANT NOTICE

In terms of the Mineral and Petroleum Resources Development Act (Act 28 of 2002 as amended), the Minister must grant a prospecting or mining right if among others the mining “will not result in unacceptable pollution, ecological degradation or damage to the environment”.

Unless an Environmental Authorisation can be granted following the evaluation of an Environmental Impact Assessment and an Environmental Management Programme report in terms of the National Environmental Management Act (Act 107 of 1998) (NEMA), it cannot be concluded that the said activities will not result in unacceptable pollution, ecological degradation or damage to the environment.

In terms of section 16(3)(b) of the EIA Regulations, 2014, any report submitted as part of an application must be prepared in a format that may be determined by the Competent Authority and in terms of section 17 (1) (c) the competent Authority must check whether the application has taken into account any minimum requirements applicable or instructions or guidance provided by the competent authority to the submission of applications.

It is therefore an instruction that the prescribed report required in respect of applications for an environmental authorisation for listed activities triggered by an application for a right or a permit are submitted in the exact format of, and provide all the information required in terms of, this template. Furthermore please be advised that failure to submit the information required in the format provided in this template will be regarded as a failure to meet the requirements of the Regulation and will lead to the Environmental Authorisation being refused.

It is furthermore an instruction that the Environmental Assessment Practitioner must process and interpret his/her research and analysis and use the findings thereof to compile the information required herein. (Unprocessed supporting information may be attached as appendices). The EAP must ensure that the information required is placed correctly in the relevant sections of the Report, in the order, and under the provided headings as set out below, and ensure that the report is not cluttered with un- interpreted information and that it unambiguously represents the interpretation of the applicant.

2. Objective of the basic assessment process

The objective of the basic assessment process is to, through a consultative process—

(a) determine the policy and legislative context within which the proposed activity is located and how the activity complies with and responds to the policy and legislative context;

(b) identify the alternatives considered, including the activity, location, and technology alternatives;

(c) describe the need and desirability of the proposed alternatives,

(d) through the undertaking of an impact and risk assessment process inclusive of cumulative impacts which focused on determining the geographical, physical, biological, social, economic, heritage, and cultural sensitivity of the sites and locations within sites and the risk of impact of the proposed activity and technology alternatives on these aspects to determine:

(i) the nature, significance, consequence, extent, duration, and probability of the impacts occurring to; and

(ii) the degree to which these impacts—

(aa) can be reversed;

(bb) may cause irreplaceable loss of resources; and

(cc) can be managed, avoided or mitigated;

(e) through a ranking of the site sensitivities and possible impacts the activity and technology alternatives will impose on the sites and location identified through the life of the activity to—

(i) identify and motivate a preferred site, activity and technology alternative;

(ii) identify suitable measures to manage, avoid or mitigate identified impacts; and

(iii) identify residual risks that need to be managed and monitored.

July 11, 2022

CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870
(the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR

PART A
SCOPE OF ASSESSMENT AND BASIC ASSESSMENT REPORT

3. CONTACT PERSON AND CORRESPONDENCE ADDRESS

A. DETAILS OF -

(i) Details of the EAP how prepared the report

In term of NEMA – EIA Regulations No. 326 of 7 April 2017 – Reg. 21, Appendix 1 – 3. (1)(a)(i)

Name of the Practitioner:
DERA Environmental Consultants (Pty) Ltd
Ms. Esna Erasmus
Tel No.: 018-468 5355
Fax No. : 018-011 3760
E-mail address: dera.office@dera.co.za

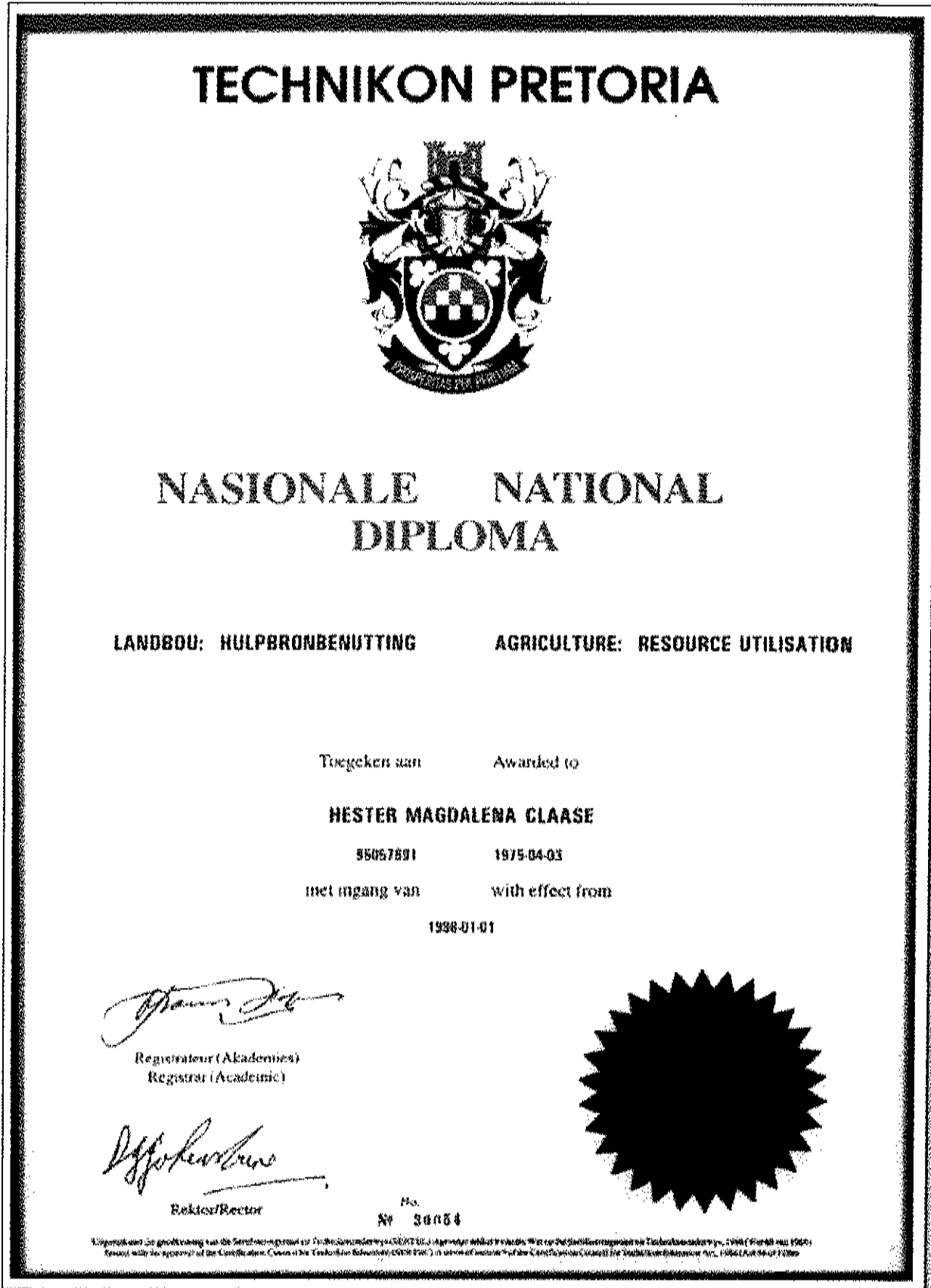
(ii) Expertise of the EAP

i. The qualifications of the EAP

In term of NEMA – EIA Regulations No. 326 of 7 April 2017 – Reg. 21, Appendix 1 – 3. (1)(a)(ii)

The EAP, Ms HM (Esna) Erasmus has a National Diploma in Agriculture Resource Utilization and a Baccalaureus Technologiae degree in Agricultural Management. She also completed the subjects for her Master Degree in Environmental Analysis & Management at NWU. See **Figure 1** for copies of his qualifications and CV.

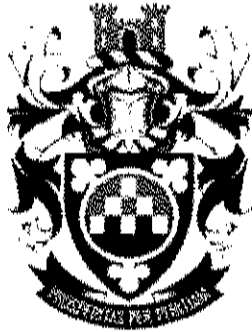
Figure 1 – Copy of Qualification



July 11, 2022

CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870
(the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR

TECHNIKON PRETORIA



BACCALAUREUS TECHNOLOGIAE

LANDBOUBESTUUR

AGRICULTURAL MANAGEMENT

Toegeken aan

Awarded to

HESTER MAGDALENA CLAUSE

95057681

1976-04-03

met ingang van

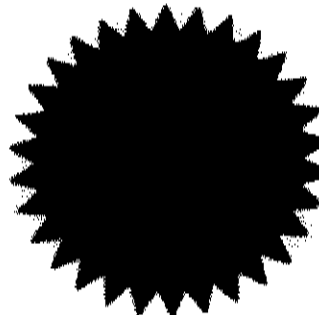
with effect from

2088.12.16

Registrar (Akademies)
Registrar (Academies)

Rector/rector

E 8280



Die owerste met die goedgekeurde en die owerste aangewysde akademies (SARAC) is gevestigde werke. Die owerste is aangewysde deur die owerste akademies. 1986 (1986) 1986
The owerste is aangewysde deur die owerste aangewysde akademies (SARAC) is gevestigde werke. Die owerste is aangewysde deur die owerste akademies. 1986 (1986) 1986


ii. Summary of the EAP's past experience.


HM (Esna) Erasmus (maiden name Claase) is an environmental practitioner with 24 years' experience in Agricultural and Mining Management and Science. Experience in the field of inspection and evaluation of Environmental Impact Assessment in North West. Since 1998 involvement in mining activities with Department of Minerals and Energy in the North West Province as representative for National Department of Agriculture Dir. LRM in the following: Evaluation of Environmental Management Reports Inspection and evaluation of all different mining entities in North West Province. A member of the Slimes Dam Core Committee of North West Province. Involved in the compiling of a strategy for rehabilitation of Gold slime Dams in NW. Give inputs and comments on the revision of EMPR for small scale diamond mining. Involve in setting a strategy to encounter the impact of small scale mining on the environment in North West. See **Figure 2** below Curriculum Vitae of H.M. Erasmus.


Figure 2 – Copy of Curriculum Vitae


ESNA ERASMUS


ENVIRONMENTAL PRACTITIONER





CONTACTS 

 esnae@dera.co.za

 +27 83 4525917

 <http://za.linkedin.com/in/esna-erasmus-1881aba5/>

 Klerksdorp, North-west Province, South Africa


ABOUT ME 

Environmental practitioner with 21 years' experience in Agricultural and Mining Management and Science.


Experience in the field of inspection and evaluation of Environmental Impact Assessment in North West.

Since 1998 involvement in mining activities with Department of Minerals and Energy in the North West Province as representative for National Department of Agriculture Dir. LRM in the following:

- Evaluation of Environmental Management Reports
- Inspection and evaluation of all different mining entities in North West Province.
- A member of the Slimes Dam Care Committee of North West Province
- Involved in the compiling of a strategy for rehabilitation of Gold slime Dams in NW.
- Give inputs and comments on the revision of EMPR for small scale diamond mining.
- Involve in setting a strategy to encounter the impact of small scale mining on the environment in North West.

SKILLS 

- Report writing
- Conduct auditing
- Bilingual (English/Afrikaans)
- Computer Proficient
- Report generation and analysis
- Verbal and written communication
- Computer literate
- Project Management
- Result orientated
- Conduct risk assessments

WORK EXPERIENCE 

<p><u>JAN 1998</u></p> <p><u>JUN 2001</u></p>	<p>SENIOR RESOURCE CONSERVATION INSPECTOR <i>National Department of Agriculture – Potchefstroom, SA</i></p> <p>Manage Administration of Act 43 of 1983, Agricultural Resource Conservation act in North West Province.</p> <p>Management of personnel and personnel related matters.</p> <p>Management of budget for Potchefstroom office of Directorate Land Resource Management.</p>
<p><u>JUL 2002</u></p> <p><u>FEB 2004</u></p>	<p>SENIOR ENVIRONMENTAL OFFICER <i>Department of Minerals and Energy – Klerksdorp, SA</i></p> <p>Administration of Act 50 of 1991, the Minerals Act in the North West province.</p> <p>Evaluation of EMPR's and EIA's.</p> <p>Audit and compliance inspections of mining operations.</p>
<p><u>MAR 2004</u></p> <p><u>PRESENT</u></p>	<p>ENVIRONMENTAL PRACTITIONER <i>DERA Environmental Consultants – Klerksdorp, SA</i></p> <p>Compiling and submission of mining related applications; manage and compile legal environmental documents.</p> <p>Monitoring work to evaluated compliance to environmental legislation; evaluating outstanding rehabilitation liabilities for mining companies.</p> <p>Risk assessment and applications for closure certificates.</p> <p>Compile EMPR/EIA for Mining Rights and compilation of EMPlan's for Prospecting and Mining Right applications.</p> <p>Compile BAR & EMPR's in support of applications for listed activities under NEMA such as Chicken Broilers, Feed lots, Fuel Storage, ect.</p> <p>Manages consultation between Departments and applicants.</p>

EDUCATION1993**HIGH SCHOOL DIPLOMA***Middelburg High School – Middelburg, Mpumalanga, SA*

English	Afrikaans
Biology	History
Geography	Accounting

1998**NATIONAL DIPLOMA AGRICULTURE: RESOURCE UTILISATION***Tshwane University of Technology – Pretoria, Tshwane, SA*

Animal Production I	Computer Application I
Pasture Science I	Physical Science I
Agricultural Marketing I, II and III	
Poultry Production II	Crop Production I, II
Agricultural Soil Science I	Agricultural Mechanization I
Agricultural Production Management III	
Agricultural Extension II	Large Stock Production II
Horticulture III	Agricultural Anatomy & Physiology I
Farm Planning I	Soil Conservation II

2000**BACCALAUREUS TECHNOLOGIAE: AGRICULTURAL MANAGEMENT***Tshwane University of Technology – Pretoria, Tshwane, SA*

Financial Management IV	Strategic Management IV
Plant Production IV	Leadership Development II

2004**MATERS OF ENVIRONMENTAL SCIENCES IN ENVIRONMENTAL SCIENCES AND MANAGEMENT- uncompleted***North-West University – Potchefstroom, North West*

Introduction to environmental management
 Applied Environmental Management
 Environmental Management
 Theoretical Hydrology
 Urban Ecology
 Introduction to GIS
 Applied GIS
 Applied Hydrology
 Environmental Analysis
 Research Proposal – uncompleted
 Final dissertation – uncompleted

SHORT COURSES

Computer training Phase IV
 Seminar in public speaking
 Veld assessment course
 Resource Identification and utilization course – September 1998
 Introduction to GIS – June 2001
 Persuasion skills
 Wetlands identification
 Wetlands Rehabilitation – August 2001
 Management skills
 Environmental Risk Assessment and Management – August 2005
 Mining and the Environment – October 2003

EIA- EXPERIENCE

The following list of EIA's was just some that was done by me.

- FJ de Beer (Dooifontein) - was done as part of a Prospecting Right Application with Bulk Sampling, my role entailed: site visit, impact assessment and evaluation and compilation of report and handling of application process
- Hartzer B Steyn Beleggers (Zwartplaat) - was done as part of Mining Right Application with Bulk Sampling, my role entailed: site visit, impact assessment and evaluation and compilation of report and handling of application process
- Bethlehem Sand en Kley CC (Kilbarnoy) - was done as part of Mining Right Application, my role entailed: site visit, impact assessment and evaluation and compilation of report and handling of application process.
- KMF Agro Processing (Pty) Ltd (Rietfontein) - was done as part of an Environmental Authorization for a listed activity, for the construction of Chicken slaughter facility, my role entailed: site visit, impact assessment and evaluation and compilation of report and handling of application process.
- Summit Ridge (Girassigste) - was done as part of an Environmental Authorization for a listed activity for feed mill for chickens feed, my role entailed: site visit, impact assessment and evaluation and compilation of report and handling of application process.

July 11, 2022

CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870 (the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR

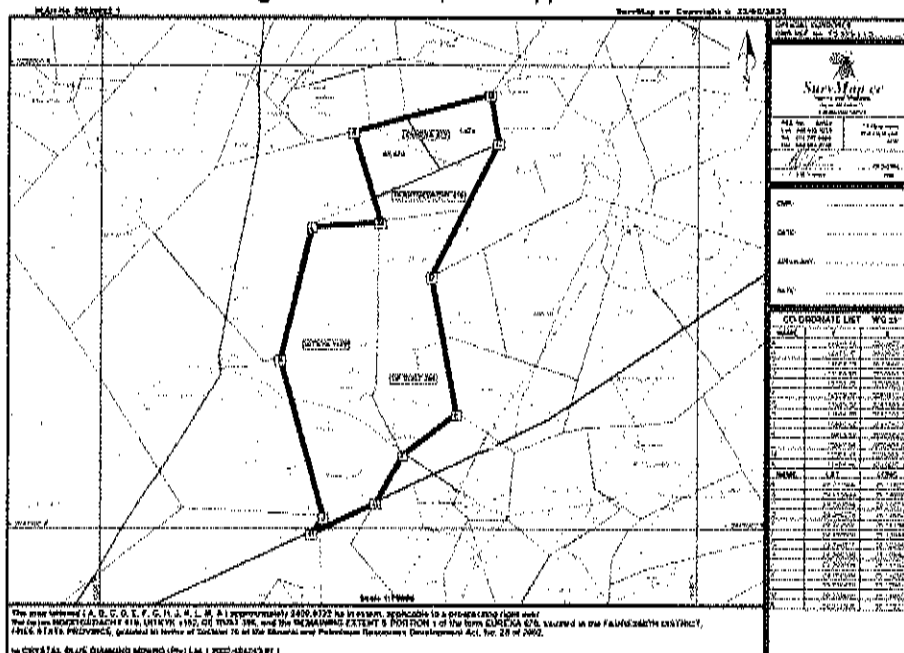
B. LOCATION OF THE OVERALL ACTIVITY

Table 1: Property Description

In term of NEMA – EIA Regulations No. 326 of 7 April 2017 – Reg. 21, Appendix 1 – 3. (1)(b)

(i) 21 digit Surveyor General Code for each farm portion	F01100000000087000000 F01100000000087000001 F01100000000041800000 F01100000000039600000 F01100000000115200000																																										
(ii) Farm Name:	The farm Nooitgedacht 418, the farm Uitkyk 1152, the farm De Rust 396 and Eureka 870: Remaining extent & Portion 1.																																										
(iii) Coordinates - Co-ordinates List WG 27°	<table border="1"> <thead> <tr> <th>NAME</th> <th>LAT</th> <th>LONG</th> </tr> </thead> <tbody> <tr><td>A</td><td>-29.217906</td><td>25.118218</td></tr> <tr><td>B</td><td>-29.210599</td><td>25.148871</td></tr> <tr><td>C</td><td>-29.220034</td><td>25.150713</td></tr> <tr><td>D</td><td>-29.246078</td><td>25.135677</td></tr> <tr><td>E</td><td>-29.272907</td><td>25.141340</td></tr> <tr><td>F</td><td>-29.280900</td><td>25.129448</td></tr> <tr><td>G</td><td>-29.290317</td><td>25.129360</td></tr> <tr><td>H</td><td>-29.298189</td><td>25.109060</td></tr> <tr><td>J</td><td>-29.293005</td><td>25.111632</td></tr> <tr><td>K</td><td>-29.262329</td><td>25.102024</td></tr> <tr><td>L</td><td>-29.236470</td><td>25.109013</td></tr> <tr><td>M</td><td>-29.235605</td><td>25.124339</td></tr> <tr><td>A</td><td>-29.217906</td><td>25.118218</td></tr> </tbody> </table>	NAME	LAT	LONG	A	-29.217906	25.118218	B	-29.210599	25.148871	C	-29.220034	25.150713	D	-29.246078	25.135677	E	-29.272907	25.141340	F	-29.280900	25.129448	G	-29.290317	25.129360	H	-29.298189	25.109060	J	-29.293005	25.111632	K	-29.262329	25.102024	L	-29.236470	25.109013	M	-29.235605	25.124339	A	-29.217906	25.118218
NAME	LAT	LONG																																									
A	-29.217906	25.118218																																									
B	-29.210599	25.148871																																									
C	-29.220034	25.150713																																									
D	-29.246078	25.135677																																									
E	-29.272907	25.141340																																									
F	-29.280900	25.129448																																									
G	-29.290317	25.129360																																									
H	-29.298189	25.109060																																									
J	-29.293005	25.111632																																									
K	-29.262329	25.102024																																									
L	-29.236470	25.109013																																									
M	-29.235605	25.124339																																									
A	-29.217906	25.118218																																									
Application area (Ha)	2408.0332 hectares																																										
Magisterial district:	The area is situated 35 km south of Petrusburg within the district of Fauresmith which is cattle, maize, sunflower farming town situated on the R48 towards Koffiefontein in the Free State Province of South Africa. The town lies in an important Kimberlite diamond-mining area and it is the main town of the Letsemeng Local Municipality, which further falls under the Xhariep District Municipality.																																										
Distance and direction from nearest town	± 35 km south of Petrusburg.																																										
Minerals applied for	Diamonds Alluvial (DA), Diamonds in Kimberlite																																										

Figure 3 – Sketch plan of application area



C. LOCALITY MAP

In term of NEMA – EIA Regulations No. 326 of 7 April 2017 – Reg. 21, Appendix 1 – 3. (1)(c)

The area is situated 35 km south of Petrusburg within the district of Fauresmith which is cattle, maize, sunflower farming town situated on the R48 towards Koffiefontein in the Free State Province of South Africa. The town lies in an important Kimberlite diamond-mining area and it is the main town of the Letsemeng Local Municipality, which further falls under the Xhariep District Municipality. See Figure 3 above, as well as Appendix 1(a) - Locality Map indication where the applied area is situated within the district of Fauresmith, Free State Province.

Appendix 1(a) – Locality Map



D. DESCRIPTION OF THE SCOPE OF THE PROPOSED OVERALL ACTIVITY.

In term of NEMA – EIA Regulations No. 326 of 7 April 2017 – Reg. 21, Appendix 1 – 3. (1)(d)

This will be a very small project with low impacts (**only 0.21 ha out of a possible 2408 ha**). The application area is situated over an area that is over natural vegetation over an area that was previously disturbed by agricultural activity and also historically prospecting activities. The proposed application area is situated ± 35 km south of Petrusburg town, as can be seen on the **Figure 3** – below for images of proposed site. The farms over which the application was applied for is currently used as grazing for cattle within a surrounding agricultural area. There seem to be no infrastructure on this area except for a farm dwelling, stores, access road utilized by the land owner. There is historically disturbance/mining area on this proposed site.

As mentioned there are no infrastructures on this area, beside for the farm dwelling, stores, access road. Access to the farm is gained by the R48 and existing gravel road (S586) from Petrusburg to Koffiefontein (Diamond mining town). See **Figure 4** for extraction of Google Earth Images for more detail. It is envisaged that the whole site (2408 ha) will in time (5 years) be disturbed but that as prospecting progress it will be simultaneously be rehabilitated (back-filled immediately after test pit sample or drill cores have been taken).

Figure 4 – Access to the application area



Appendix 1(b 1 & b2) – Infrastructure Plan

(i) Listed and specified activities

Table 2: Listed and specified activities

In term of NEMA – EIA Regulations No. 326 of 7 April 2017 – Reg. 21, Appendix 1 – 3. (1)(d)(i)

NAME OF ACTIVITY	Aerial extent of the Activity Ha or m ²	LISTED ACTIVITY	APPLICABLE LISTING NOTICE (GNR 544, GNR 545 or GNR 546)	WASTE MANAGEMENT AUTHORISATION
<p>Listing 1 – Activity 21: Any activity including the operation of that activity which requires a mining permit in terms of section 27 of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002), including —</p> <p>(a) associated infrastructure, structures and earthworks, directly related to the extraction of a mineral resource ; or</p> <p>(b) the primary processing of a mineral resource including winning, extraction, classifying, concentrating, crushing, screening or washing; but excluding the secondary processing of a mineral resource, including the smelting, beneficiation, reduction, refining, calcining or gasification of the mineral resource in which case activity 6 in Listing Notice 2 applies.</p>	2408.0332ha	X	GNR 327	

July 11, 2022	CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870 (the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR
---------------	--

Listing 1 – Activity 27: 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— (i) the undertaking of a linear activity; or (ii) maintenance purposes undertaken in accordance with a maintenance management plan.	0.21 ha	X	GNR 327	
---	---------	---	---------	--

(ii) Description of the activities to be undertaken

In term of NEMA – EIA Regulations No. 326 of 7 April 2017 – Reg. 21, Appendix 1 – 3. (1)(d)(ii)

Table 3: Description of Activities to be followed

Activities	Description of phases	Associated structures and infrastructures
The Mineral	Crystal Blue Diamond Mining (Pty) Ltd. intends to prospecting for Diamonds (Alluvial) (DA) and Diamonds in Kimberlite situated on THE FARM Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870 (the Remaining extent & Portion 1), Fauresmith district, and 2408.0332 hectares in total.	Existing farm dwelling with stores , access roads, fences, farm worker houses, Escom power lines towards farm dwelling, etc.
Phase 1	Field Mapping – This method include the identification of quartz veins, often bounding sinkholes, through aerial photo interpretation, satellite image interpretation, ground mapping of surface depressions and vegetation types as they are often indicative - 6 months for Phase 1.	
Phase 2	Geochemical survey - Following the mapping various geochemical sampling programs such as whole rock, soil and or stream sediment sampling might be considered to outline potential mineralized areas. These samples are normally analyzed by doing 50g nominal weight (pulverized sample) fire assay for diamonds - 6 months for Phase 2.	
Phase 3	Geophysical survey (Magnetic Survey) - Magnetic geophysical surveys will be conducted over selected target areas on a 40m x 20m grid using a magnetometer. Ground magnetic measurements are usually made with portable instruments at regular intervals along more or less straight and parallel lines which cover the survey area. Often the interval between measurement locations (stations) along the lines is less than the spacing between lines. The magnetometer is a sensitive instrument that is used to map spatial variations in the earth's magnetic field. In the proton magnetometer, a magnetic field, which is not parallel to the earth's field, is applied to a fluid rich in protons causing them to partly align with this artificial field. When the controlled field is removed, the protons process toward realignment with the earth's field at a frequency which depends on the intensity of the earth's field. By measuring this precession frequency, the total intensity of the field can be determined. The physical basis for several other magnetometers, such as the cesium or rubidium-vapor magnetometers, is similarly founded in a fundamental physical constant. The optically pumped magnetometers have increased sensitivity and shorter cycle times (as small as 0.04 s) making them particularly useful in airborne applications - 12 months for Phase 3.	
Phase 4	Areas where surveys showed potential small test pits of 2m x 2 m x 4 m deep will be taken in order to get samples of the Kimberlite to be analyzed in the	Existing farm roads will be utilized for access. The applicant will use 4 employees. The following equipment will be used:

	laboratory. These test pits will be taken with an excavator and it is envisaged that 500 test pits will be taken on the area confirmed by the surveys. If these areas does show potential in Kimberlite deeper drilling holes will be performed - 12 months for Phase 4.	<ul style="list-style-type: none"> 1 x excavator,
Phase 5	<p>Reverse Circulation Drilling Method - Using a variety of drilling rigs such as truck or trailer mounted, rods and hammers, the ore body can be evaluated by drilling intersecting holes at locations predetermined by the Geologist. Drilling is done in phases, over anomalous target areas where samples and test pits of Phase 4 showed potential, using reconnaissance lines or a grid of 250x250m depending on the level of confidence in the targets and the level of information required. The holes will be approximately 10 - 30m meters deep depending on local depth of the bedrock. It is envisaged that 20 boreholes will be drilled.</p> <p>The strata will be drilled using a RC drilling rig to recover drill chips or cuttings with various size hammers and rod strings, breaking the different formations. Compressed air is used to lift the broken material via an external cyclone and samples are collected at each 1.0m interval. These will be placed in marked plastic bags or plastic tubes, ready for geological logging and geochemical sampling to retrieve the necessary information.</p> <p>The ore body model will be generated in either Surpac or MicroMine software – further prospecting requirements and sampling will be based on this model. 24 months for Phase 5 as a section 20 bulk sampling application might be also part of this phase depending on the outcome.</p>	<p>Existing farm roads will be utilized for access. The applicant will use 4 employees. The following equipment will be used:</p> <ul style="list-style-type: none"> Geological survey equipment, 1 x drilling rig.

E. POLICY AND LEGISLATIVE CONTEXT

In term of NEMA – EIA Regulations No. 326 of 7 April 2017 – Reg. 21, Appendix 1 – 3. (1)(e)(i)

Table 4: Policy & Legislative Context

APPLICABLE LEGISLATION AND GUIDELINES USED TO COMPILÉ THE REPORT	REFERENCE WHERE APPLIED	HOW DOES THIS DEVELOPMENT COMPLY WITH AND RESPOND TO THE POLICY AND LEGISLATIVE CONTEXT
National Environmental Management Act, 1998 (Act 107 of 1998) (NEMA) Submitted for Environmental Authorizations in terms of the National Environmental Management Act, 1998 and the National Environmental Management Waste Act, 2008 in respect of Listed Activities that has been triggered by applications in terms of the Minerals and Petroleum Resources Development Act, 2002 (As mentioned).	Activity 20, Listing 1 Activity 27, Listing 1	Mining Permit application submitted and EA application with DMR
National Environmental Management Act, 1998 (Act 107 of 1998): Environmental Impact Assessment Regulations, 2014 (G38282 – R982-985) EA Authorization and EIA/EMP. Submit documents that will describe the impacts and sustainable mitigation thereof. Compliance to Act and Regulations during course of activities. Show impacts and mitigation thereof.	Regulation 21	BAR/EMP in process
National Water Act, 1998 (Act 36 of 1998) Application for Water abstraction for mining use	Section 21 (a)	No mineral processing only excavation and hauling of gravel.
Conservation of Agricultural Resources Act No 43 of 1983 Compliance to Act and Regulations during course of activities. Stabilization of soil after rehab to be sustainable with no erosion. Eradication of declared weeds.	Section 29	Regulation will be applicable during construction and operational phases of mining.
National Heritages Resources Act, 1999 (Act 25 of 1999) Compliance to Act and Regulations during course of activities. Ensure that no graves or heritage site will be disturbed.	Section 36	

F. NEED AND DESIRABILITY OF THE PROPOSED ACTIVITIES

In term of NEMA – EIA Regulations No. 326 of 7 April 2017 – Reg. 21, Appendix 1 – 3. (1)(f)

The farms over which the application was applied for is currently used as grazing for cattle within a surrounding agricultural area. There seem to be no infrastructure on this area except for a farm dwelling, stores, access road utilized by the land owner. There is historically disturbance/mining area on the proposed site.

As mentioned there are no infrastructures on this area, beside for the farm dwelling, stores, access road. Access to the farm is gained by the R48 and existing gravel road (S586) from towards Petrusburg to Koffiefontein (Diamond mining town). See **Figure 3** for extraction of Google Earth Images for more detail. It is envisaged that the whole site (2408 ha) will in time (5 years) be disturbed but that as prospecting progress it will be simultaneously be rehabilitated (back-filled immediately after sample or drill core have been taken).

The area will be prospected and rehabilitated. The prospecting focus sites will be clearly demarcated. After prospecting the land (0.21 ha) will be used for grazing again.

Figure 4: Google Earth Images



G. MOTIVATION FOR THE OVERALL PREFERRED SITE, ACTIVITIES AND TECHNOLOGY ALTERNATIVE

The applicant envisaged that Diamonds (Alluvial) DA and Diamonds in Kimberlite to be present on this properties as the Koffiefontein area has good prospects for Kimberlite and need to be prospected further in detail in order to confirm reserves. The Kimberlite in this area have been known for many years with the town of Koffiefontein that was established as the result of the mining of Kimberlite by mining companies like De Beers and Petra Diamonds. Evidence of historical mining prospecting activities could be found on site.

H. FULL DESCRIPTION OF THE PROCESS FOLLOWED TO REACH THE PROPOSED PREFERRED ALTERNATIVES WITHIN THE SITE

(i) Details of the development footprint alternatives considered

In term of NEMA – EIA Regulations No. 326 of 7 April 2017 – Reg. 21, Appendix 1 – 3. (1)(h)(i)

Alternative is not applicable. The option to explore the possibility for prospecting is already in itself an alternative land use. The applicant, **Crystal Blue Diamond Mining (Pty) Ltd.** is not interested in any other alternative land use over this land aside of diamond bearing Kimberlite and gravel exploration, or any other activity, or method use other than prospecting for diamonds in the conventional way, which is the most cost effective.

(a) the property on which or location where it is proposed to undertake the activity

There are no alternative for the property as the application is for this 2408.0332 hectare area only. The Prospecting Right application is for this specific area as indicated on the sketch plan with no alternatives. The whole of the application area will systematically be prospected as indicated eventually.

(b) the type of activity to be undertaken

The type of activity is for prospecting for Kimberlite and alluvial diamond gravel in line with the submitted PWP (Prospecting Work Programme). The type of activity does not have an alternative. The prospecting will involve various prospecting methods in order to get to a final decision. The prospecting activities will involve:

Phase	Activity	Skill(s) required	Timeframe	Outcome	Timeframe for outcome	What technical expert will sign off on the outcome?
1	Field mapping	Geologist	1 - 6	Geological report	Month 1 till 6	Geologist
2	Geochemical survey	Geologist	7 - 12	Laboratory results	Month 7 till 12	Geologist
3	Geophysical surveys	Geologist	13 - 24	Geological report	Month 13 till 24	Geologist
4	Test pitting	Applicant & geologist	25 - 36	Sampling reports	Month 25 till 36	Geologist
5	Drilling	Drilling contractor & geologist	36 - 60	Drilling records	Month 37 till 60	Geologist

No processing will be done on site. As this is only a prospecting right operation it will be the basic diamond core drilling of holes and test pits (where required) with associated machinery.

(c) the design or layout of the activity

The layout of the activity will and can only be on the application area (2408.0332 ha) as per sketch plan as submitted with the application see **Figure 3** for submitted sketch plan. And the whole of the application area will systematically be prospected for Bentonite Clay (CB). There are no preferred sites as the whole of the application area was identified as being favourable for prospecting. This prospecting operation will also not be a static operation as the whole of the application area will be prospected. There will also be temporary chemical toilets on the site for ablution facilities. There will not be services to machinery done on site but in case of emergency it will be done over a PVC lining. This operation will be a basic small scale prospecting layout, with minimal temporary infrastructure and just the necessary equipment (drill rig, excavator, front end loader, trucks, etc.).

July 11, 2022	CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870 (the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR
---------------	---

(d) the technology to be used in the activity

The technology used in the activity will be as described under **Table 3** and the best options will be determined by the applicant, which will be basic diamond drilling and excavation of test pits. The technology used in the activity will be as described in the PWP and the best options will be determined by the applicant and the Geologist.

(e) the operational aspects of the activity, and

The operational aspect is only the prospecting for **Diamonds (Alluvial) (DA) and Diamonds in Kimberlite** on this specific area, making use conventional diamond core drilling method and test pit excavations. Operations will be done through systematically prospecting of the whole application area. Doing concurrent rehabilitation, meaning that as soon as the samples are the boreholes will be backfilled and compacted and also the test pits backfilled with overburden and ultimately topsoil.

(f) the option of not implementing the activity

This option might only be possible if the applicant decide to abandon the project. If this application is not implemented the landowner (land occupiers) will just continue with existing agricultural activities which is grazing for cattle. Thus not prospecting for **Diamonds (Alluvial) (DA) and Diamonds in Kimberlite**, somebody else can apply.

(ii) Details of the Public Participation Process Followed

In term of NEMA – EIA Regulations No. 326 of 7 April 2017 – Reg. 21, Appendix 1 – 3. (1)(h)(ii)

The process as described by NEMA for Environmental Authorization was followed. See **Table 7** below for the identification of Interested and Affected Parties to be consulted with. **The landowner (State owners land – RSA: Dept. of Rural Development and Land Reform)** and the land occupier (Mr K. Niewoudt, etc.) were consulted personally and through a letter that was given to them by hand. A **site notice** was placed at the farm. With this site notice all passers-by are requested to submit any written comments to be forwarded to the consultant (still awaiting response). An **advertisement** was placed in the **Bloem News Newspaper of 7th July 2022**. See proof of consultation under **Appendix 2**. Copies of the BAR was also send to all government department: DWS, DEA (DEDECT), DLARD and DAFF for comments, no reply was received yet.

Appendix 2 – Proof of consultation.

Table 5: Description of process to be undertaken to consult interested and affected parties

IDENTIFICATION CRITERIA	Mark with an X where applicable		ACTIONS
	YES	NO	
Will the landowner be specifically consulted?	X		The landowner is RSA: Dept. of Rural Development and Land Reform
Will the lawful occupier on the property other than the Landowner be consulted?	X		Yes, still trying to get hold of occupiers.
Will a tribal authority or host community that may be affected be consulted?		X	N/A
Will recipients of land claims in respect of the area be consulted?	X		E-mail was sent to Ms Cindy Benyane, no reply was received yet.
Will the landowners or lawful occupiers of neighbouring properties been identified?	X		E-mail was sent to Dept. of Rural Development and Land Reform. Still trying to get hold of occupiers
Will the local municipality be consulted?	X		Letsemeng Local Municipality was consulted in writhing.

July 11, 2022	CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870 (the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR
---------------	---

Will the Authority responsible for power lines within 100 meters of the area be consulted?		X	There are no power lines within 100m from application area
Will the Authorities responsible for public roads or railway lines within 100 meters of the area applied for be consulted?		X	There are no public roads within 100 m that will be affected.
Will the Authorities responsible for any other infrastructure within 100 meters the area applied for be consulted? (Specify)		X	There are no surface infrastructures that will be affected; the application area is within cultivated fields.
Will the Provincial Department responsible for the environment be consulted?	X		Draft BAR was sent to DEDECT
Will all of the parties identified above be provided with a description of the proposed mining/prospecting operation as referred above?	X		All consultation letters included the full property description and summary of intended activities.
Will all the parties identified above be requested in writing to provide information as to how their interests (whether it be socio-economic, cultural, heritage or environmental) will be affected by the proposed mining project?	X		All consulted letter invited all I&AP's to send through any comment or objections.
Other, Specify			

Table 6: Furthermore the details of the engagement process to be followed are as reflected below.

Steps to be taken to notify interested and affected parties	PROVIDE DESCRIPTION HERE The <u>landowner</u> and the neighbours were informed personally consulted by the applicant and confirmed in the writing. A consultation letter was sent to Letsemeng Local Municipality . An advertisement was placed in the Bloem News Newspaper for comments.
Information to be provided to Interested and Affected Parties.	Compulsory The site plan. List of activities to be authorized Scale and extent of activities to be authorized Typical impacts of activities to be authorized (e.g. surface disturbance, dust, noise, drainage, fly rock etc.) The duration of the activity. Sufficient detail of the intended operation to enable them to assess what impact the activities will have on them or on the use of their land) Other, specify: PWP (Prospecting Work Programme)
Information to be required from Interested and Affected Parties.	Compulsory To provide information on how they consider that the proposed activities will impact on them or their socio-economic conditions To provide written responses stating their suggestions to mitigate the anticipated impacts of each activity To provide information on current land uses and their location within the area under consideration To provide information on the location of environmental features on site to make proposals as to how and to what standard the impacts on site can be remedied. requested to make written proposals To mitigate the potential impacts on their socio economic conditions to make proposals as to how the potential impacts on their infrastructure can be managed, avoided or remedied). Other, Specify

CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – Nootgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870
 (the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR

July 11, 2022

(iii) Summary of issues raised by I&AP's

In terms of NEMA – EIA Regulations No. 325 of 7 April 2017 – Reg. 21, Appendix 1 – 3. (f)(h)(iii)

See Appendix 2 for full detail on public participation.

Table 7: Summary of Identified I&AP's

Interested and Affected Parties	Date sent and/or Comments	Issues raised	EAP's response to the applicant
AFFECTED PARTIES			
National Government of RSA (Custodians of the land) Department of Rural Development and Land Reform 266 c/o Pretorius and Thabo Sehume Street, Pretoria, 0001 Tel: 012 407 4544, Cell: 083 311 3482	X 28 June 2022 23 Aug 2022	Consultation letter Follow up e-mail and consultation letter send to Rebaone Moatshe, Thibi Monokoane Cindy Benyane & Cynthia Moxise – Awaiting Response	
Rebaone Moatshe E-mail: Rebaone.Moatshe@daird.gov.za	23 Aug 2022	Telephonically discussed with Rebaone and she has confirmed the new e-mail address - awaiting response from her.	
Thibi Monokoane E-mail: Thibi.Monokoane@daird.gov.za			
Cindy Benyane , E-mail: Cindy.Benyane@daird.gov.za			
Lawful occupiers of the land Mr. Pat Matosa (occupier)	July 2022	Mr. Matosa was an occupier during the site visit, but is not living on the farm anymore.	
Landowners or lawful occupiers on adjacent			
Mr. G.P. Nieuwoudt (Neighbour) Petrusburg, 9932 Cell: 082 786 2894, E-mail: 2405susann@gmail.com	X 28 June 2022 22 Aug 2022	Consultation letter send No objection, see signed consultation letter	
Mr. S.H. Bester (Neighbour) P.O. Box 44, Koffiefontein, 9932 Cell: 060 5598 852, E-mail: stefanbester8@gmail.com	28 June 2022 15 Aug 2022	Consultation letter send No objection, see signed consultation letter	
Mr. A.J. Nieuwoudt (Neighbour) The farm Bakenkop, Petrusburg, 9932 Cell: 076 472 0144, E-mail: ajniewoudt1@gmail.com	28 June 2022 18 Aug 2022	Consultation letter send No objection, see signed consultation letter	
Municipal councillor			
Municipality	X		
Letsemeng Local Municipality Municipal Manager: Mr. T.L Mkhwane Tel: 053 330 0200 E-mail: mm@letsemeng.gov.za	28 June 2022	Consultation letter send	

July 11, 2022

CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – Nootgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870
(the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR

Organs of state (Responsible for infrastructure that may be affected Roads Department, Eskom, Telkom, Eskom)				
Communities				
Dept. Land Affairs	X			
Cindy Benyane cindy.benyane@daird.gov.za or Thibi.Monokoane@daird.gov.za		28 June 2022	Request for verification of land claims send	
Traditional Leaders				
N/A				
Dept. of Environmental Affairs and Dept. Agri Forestry & Fisheries	X			
Grace Mkhosana Building 113, St Andrew Street, Bloemfontein, 9300 Cell: 066 487 2840 Tel: 051 400 4904 E-mail: Grace.Mkhosana@detfa.gov.za		19 July 2022	BAR/EMPr send with Fastway couriers for comments	
Dept. Water and Sanitation	X			
Dr. T. Ntuli 2nd Floor, Bloem Plaza Building, Cnr East Burger & Charlotte Maxeke, Bloemfontein, 93003 Tel: 051 405 9109 E-mail: NtuliT@dws.gov.za		19 July 2022	BAR/EMPr send with Fastway couriers for comments.	
Other Competent Authorities	X			
SAHRIS				
INTERESTED PARTIES				

Notice published in the Bloem News Newspaper of 7th July 2022.

July 11, 2022
CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870
 (the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR

PLACEMENT OF ADVERT AT GATE:

<p>Photo 1</p> 	<p>Photo 2</p> 
<p>Location: S 29.296189 ° E 26.109060°</p>	

(iv) The Environmental attributes associated with the alternatives.*In term of NEMA – EIA Regulations No. 326 of 7 April 2017 – Reg. 21, Appendix 1 – 3. (1)(h)(iv)***1. Baseline Environment**

Introduction: The purpose of this section is to provide information on the environment in which the proposed prospecting activities will take place, with a view to identify sensitive issues/areas, which need to be considered when conducting the impact assessment. The application is over: **the Farms Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870 (the Remaining extent & Portion 1)**. This area consists of natural vegetation (grazing for cattle) and small historic mining areas (also used for grazing for cattle).

Magisterial District: The area is situated 35 km south of Petrusburg within the district of Fauresmith which is cattle, maize, sunflower farming town situated on the R48 towards Koffiefontein in the Free State Province of South Africa. The town lies in an important Kimberlite diamond-mining area and it is the main town of the Letsemeng Local Municipality, which further falls under the Xhariep District Municipality. **See Figure 3 above, as well as Appendix 1(a) - Locality Map indication where the applied area is situated within the district of Fauresmith, Free State Province.**

Direction from neighbouring town: The nearest town is Petrusburg, which is situated 35 km north from the application area.

Longitude (approximate centre of prospecting site): 25.135677° E

Latitude (approximate centre of prospecting site): -29.246078° S

Existing Surface Infrastructure: The farms over which the application was applied for is currently used as grazing for cattle within a surrounding agricultural area. There seem to be no infrastructure on this area except for a farm dwelling, stores, access road utilized by the land owner. There are historically small disturbance/mining areas on this proposed site.

As mentioned there are no infrastructures on this area, beside for the farm dwelling, stores, access road. Access to the farm is gained by the R48 and existing gravel road (S586) from towards Petrusburg to Koffiefontein (Diamond mining town). **See Figure 3 for extraction of Google Earth Images for more detail.** It is envisaged that the whole site (2408 ha) will in time (5 years) be disturbed but that as prospecting progress it will be simultaneously be rehabilitated (back-filled immediately after sample or drill core have been taken).

All of the above infrastructure can be seen on the **Infrastructure Plan - Appendix 1(b1)1 (b2)**. The **surrounding farms** are mostly utilized as natural grazing for cattle. **Also see Appendix 1(b1) & 1(b2) for Infrastructure Plan and Google satellite image of the application area.**

(a) Type of environment affected by the proposed activity.

Vegetation [Flora] and Landscape Features:

According to VEGMAP (2006) the area falls within the [NKu 3] Northern Upper Karoo.

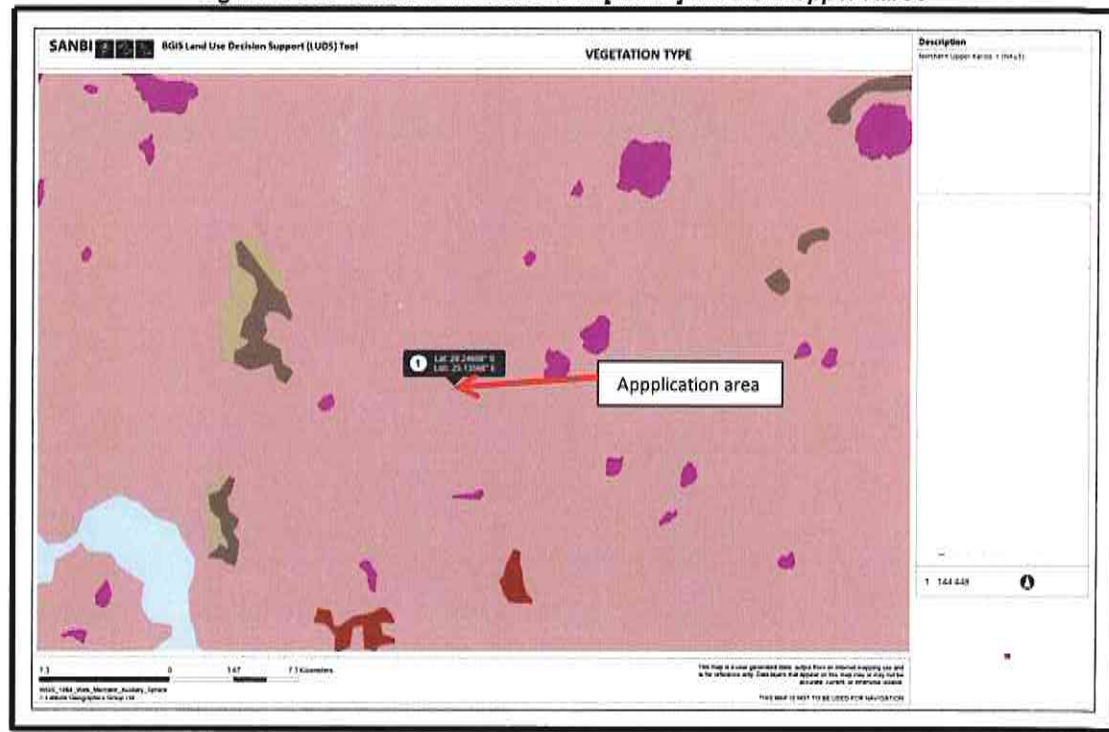
(VT 35 False Arid Karoo (35%), VT 36 False Upper Karoo (27%) (Acocks 1953). LR 50 Upper Nama Karoo (44%), LR 52 Eastern Mixed Nama Karoo (24%) (Low & Rebelo 1996)).

Distribution: Northern Cape and Free State Provinces: Northern regions of the Upper Karoo plateau from Prieska, Vosburg and Carnarvon in the west to Philipstown, Petrusville and **Petrusburg** in the east. Bordered in the north by Niekerkshoop, Douglas and Petrusburg and in the south by Carnarvon, Pampoenpoort and De Aar. A few patches occur in Griqualand West. Altitude varies mostly from 1 000-1 500 m.

Shrubland dominated by dwarf **karoo shrubs**, **grasses** and *Acacia mellifera subsp. detinens* and some other low trees (especially on sandy soils in the northern parts and vicinity of the Orange River).

VEGMAP (2006) further classify this area as part of the [NKu 3] Northern Upper Karoo over most of the prospecting right application area of **2408 hectares**. See **Figure 5** below. Below is a summary of the plant species that may occur over the surrounding undisturbed areas, which in turn can be a source for regrowth of natural species once prospecting, has totally ceased over this area.

Figure 5: The VEGMAP classification: [NKu 3] Northern Upper Karoo

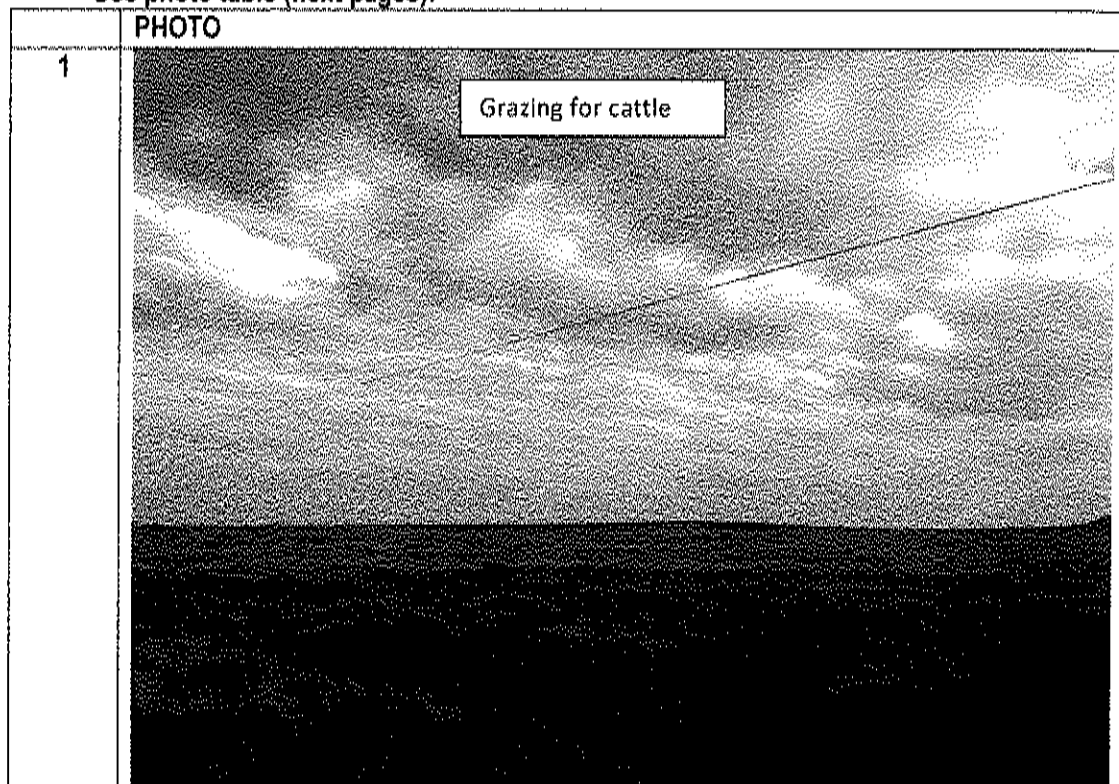


Important Taxa - Small Trees: *Acacia mellifera subsp. detinens*, *Boscia albitrunca*. **Tall Shrubs:** *Lycium cinereum* (d), *L. horridum*, *L. oxycarpum*, *L. schizocalyx*, *Rhigozum trichotomum*. **Low Shrubs:** *Chrysocoma ciliata* (d), *Gnidia polycephala* (d), *Pentzia calcarea* (d), *P. globosa* (d), *P. incana* (d), *P. spinescens* (d), *Rosenia humilis* (d), *Amphiglossa triflora*, *Aptosimum marlothii*, *A. spinescens*, *Asparagus glaucus*, *Barleria rigida*, *Berkheya annectens*, *Eriocephalus ericoides subsp. ericoides*, *E. glandulosus*, *E. spinescens*, *Euryops asparagoides*, *Felicia muricata*, *Helichrysum lucilioides*, *Hermannia spinosa*, *Leucas capensis*, *Limeum aethiopicum*, *Melolobium candicans*,

Microlooma armatum, *Osteospermum leptolobum*, *O. spinescens*, *Pegolettia retrofracta*, *Pentzia lanata*, *Phyllanthus maderaspatensis*, *Plinthus karoocicus*, *Pteronia glauca*, *P. sordida*, *Sebago geniculata*, *S. saxatilis*, *Tetragonia arbuscula*, *Zygophyllum lichtensteinianum*. **Succulent Shrubs:** *Hertia pallens*, *Salsola calluna*, *S. glabrescens*, *S. rabieana*, *S. tuberculata*, *Zygophyllum flexuosum*. **Semi parasitic Shrub:** *Thesium hystrix* (d), **Herbs:** *Chamaesyce inaequilatera*, *Convolvulus sagittatus*, *Dicoma capensis*, *Gazania krebsiana*, *Hermannia comosa*, *Indigofera alternans*, *Lessertia pauciflora*, *Radyera urens*, *Sesamum capense*, *Sutera pinnatifida*, *Tribulus terrestris*, *Dahlia capensis*. **Succulent Herb:** *Psilocaulon coriarium*. **Geophytic Herb:** *Moraea pallida*. **Graminoids:** *Aristida adscensionis* (d), *A. congesta* (d), *A. diffuse* (d), *Enneapogon desvauxii* (d), *Eragrostis lehmanniana* (d), *E. obtuse* (d), *E. truncata* (d), *Sporobolus fimbriatus* (d), *Stipagrostis obtusa* (d), *Eragrostis bicolor*, *E. porosa*, *Fingerhuthia africana*, *Heteropogon contortus*, *Stipagrostis ciliata*, *Themeda triandra*, *Tragus berteronianus*, *T. koelerioides*, *T. racemosus*. **Biogeographically Important Taxa Herb** (western distribution limit): *Convolvulus boedeckerianus*. **Tall Shrub** (southern limit of distribution): *Gymnosporia szyszowiczii* subsp. *namibiensis*. **Endemic Taxa Succulent Shrubs:** *Lithops hookeri*, *Stomatium pluridens*. **Low Shrubs:** *Atriplex spongiosa*, *Galenia exigua*. **Herb:** *Manulea deserticola*. **References** Acocks (1953, 1988), Werger (1980), Palmer (1990).

Some indication of the **original vegetation type** could be found on the **2408 ha**. Though the years the site have been disturbed by agricultural activities (grazing for cattle) and historic mining activities. This is a “brownfields site”.

See photo table (next pages):



July 11, 2022

CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870
(the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR

2



3



4



5



July 11, 2022

CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870
(the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR

6



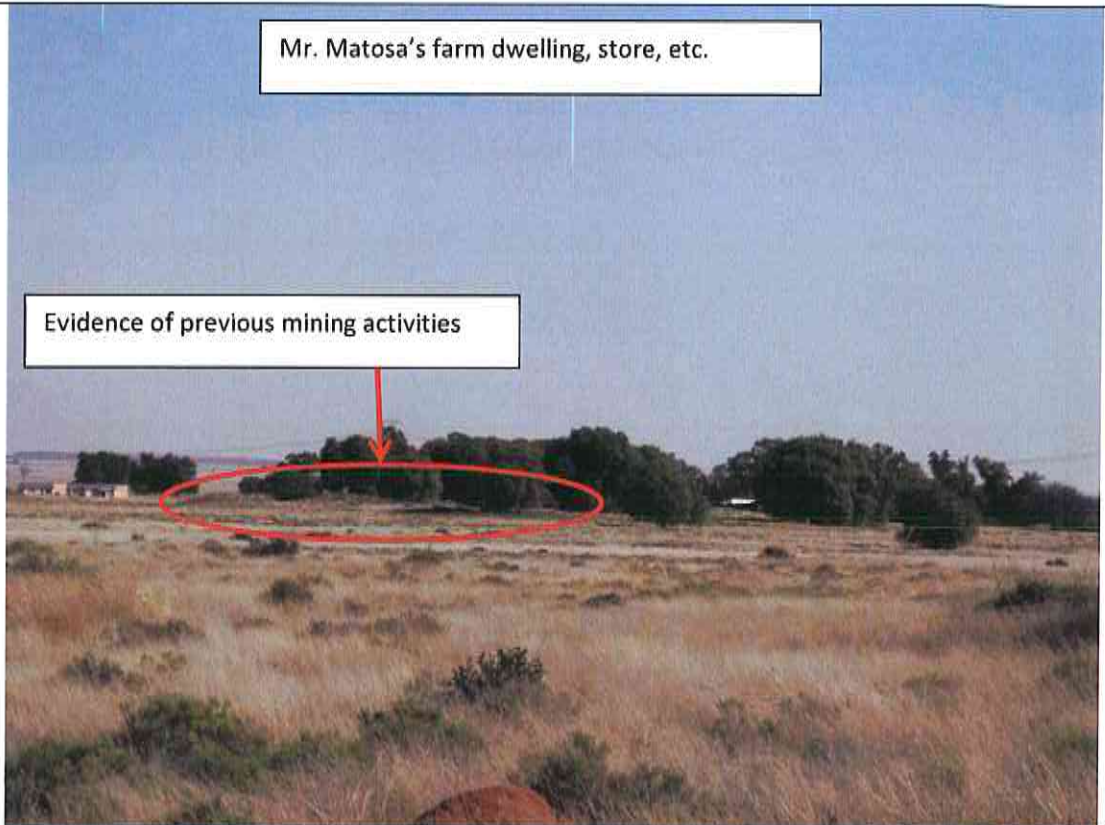
7



8

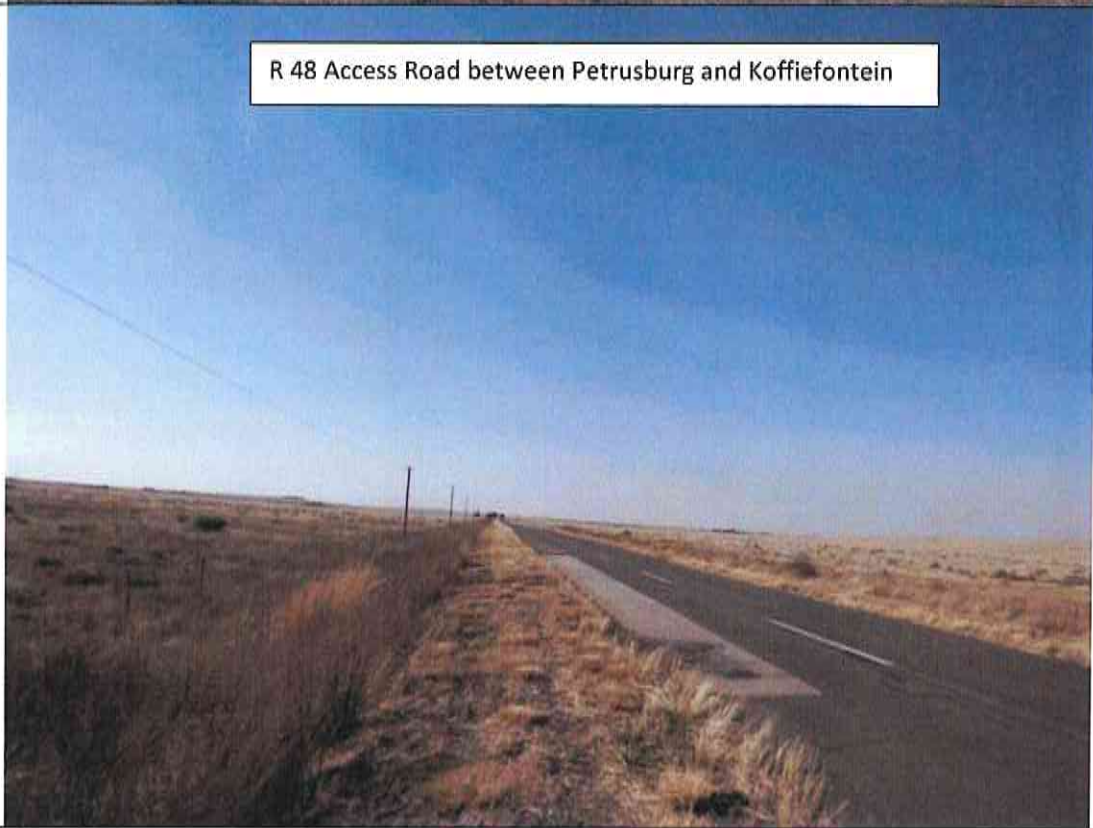
Mr. Matosa's farm dwelling, store, etc.

Evidence of previous mining activities



9

R 48 Access Road between Petrusburg and Koffiefontein

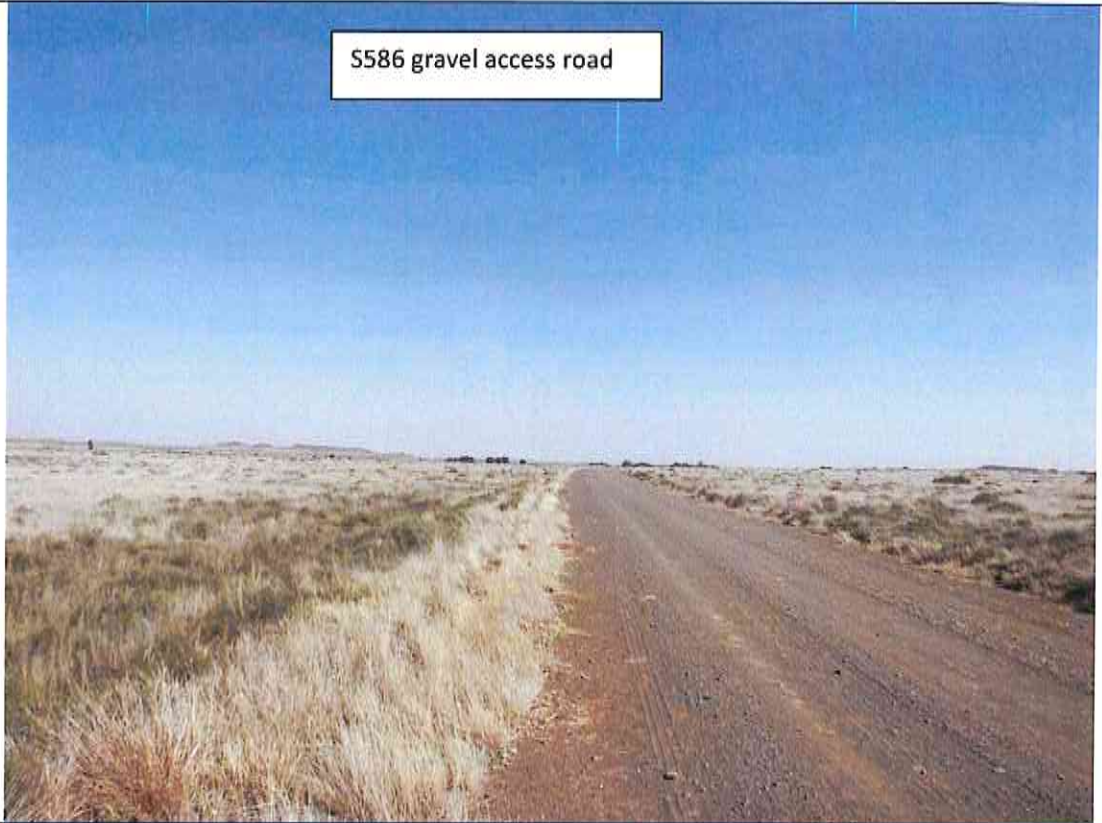


July 11, 2022

CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870
(the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR

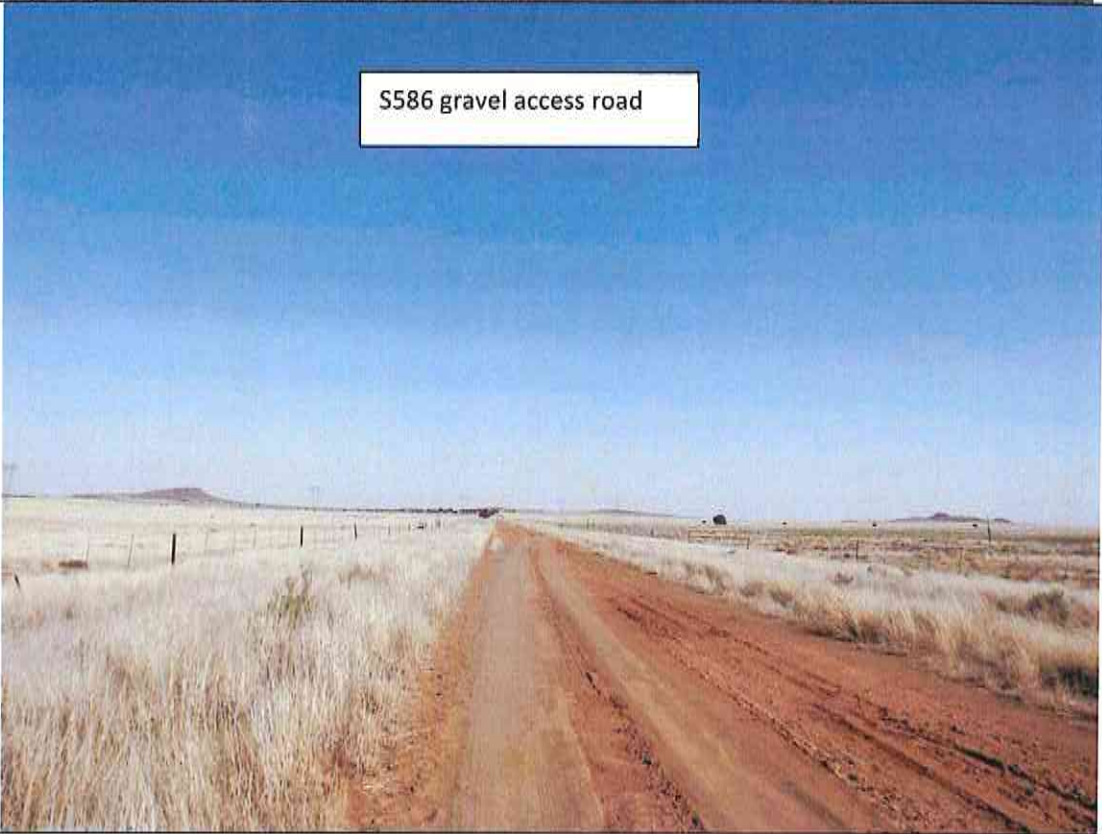
10

S586 gravel access road



11

S586 gravel access road



Screening of environmental sensitivity of the proposed site (See Appendix 3 for full report):

Furthermore according to the DEDACT's (Department of Economic Development, Environment, Conservation and Tourism's) screening tool the footprint of this application area, although only **small scale prospecting (0.21 ha disturbed over 5 years out of 2408 ha)**, are classified (by background reference to the whole prospecting right application area as per summary table below.

According to the **screening of environmental sensitivity of the proposed prospecting right (2408 ha)** it is indicated that **Terrestrial Biodiversity Theme** was classified as being HIGH. Also the whole of the area is being regarded as to have a LOW environmental sensitivity with regard to plant species. The majority of the areas have been disturbed by agricultural activities and historic mining activities. The **application site** should be regarded as a "**brownfields site**" as the site has been disturbed by agriculture activities and historical mining activities. During the site investigation no animals were found on site. The **Animal Species Theme** is regarded as of MEDIUM sensitivity. The **site has been disturbed by agricultural activities and mining activities in the past and currently** and it is likely that animals would not stay in such a habitat but rather move to other undisturbed areas.

Palaeontology Theme was further classified as being MEDIUM sensitive. It is however not foreseen that there will be any such sites of the application area that the occupier may not be aware of any findings and they would have come across item if there were any. The prospecting project manager will have to keep a look out for possible sightings and report it as soon as possible.

According to the screening of **environmental sensitivity** of the proposed site it is indicated that **Agricultural Theme** was classified as being HIGH sensitivity. The prospecting sites will disturb **only 0.21 ha in total over 5 years** and should be regarded as a "**brownfields site**" as the site has been disturbed by agriculture activities and historic mining activities. No cultivation is taking place. **Only grazing by cattle**. Rehabilitation of the 0.21 ha sites will return the site to some grazing capability for cattle. **The majority of the farm still continues with agricultural activity (grazing for cattle) (IV; marginal potential arable land) and is in no way hindered by the proposed activity and the environmental sensitivity for the 0,21 ha should be low.** According to the screening of environmental sensitivity of the proposed site it is indicated that **Plant species Theme** was classified as being LOW sensitivity. **Giving the fact that the majority of the prospecting right application area is regarded as of LOW environmental sensitivity and the fact that the remaining area have been impacted by historical mining activities and agricultural activities the site is actually "Brownfields site".**

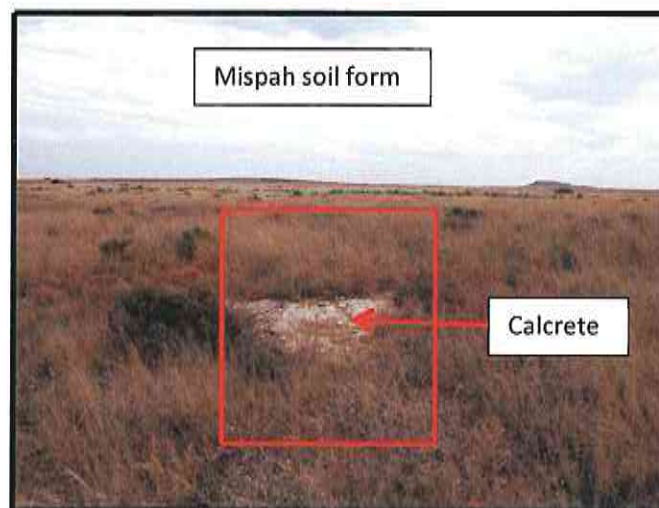
See Summary: (Results of screening report for Farms: Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870 (the Remaining extent & portion 1) within the prospecting right application area of 2408.0332 ha in total):

Table 8: DEDACT - Screening Report

Theme	Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
Agriculture Theme		X		
Animal Species Theme			X	
Aquatic Biodiversity Theme	x			
Archaeological and Cultural Heritage Theme				X
Civil Aviation Theme				X
Defence Theme				X
Palaeontology Theme			X	
Plant Species Theme				X
Terrestrial Biodiversity Theme	X			

Climate: Rainfall peaks in autumn (March). MAP ranges from about 190 mm in the west to 400 mm in the northeast. Mean maximum and minimum monthly temperatures for Britstown are 37.9°C and —3.6°C for January and July, respectively. Corresponding values are 37.1°C and —4.8°C for De Aar and 39.0°C and —2.3°C for Kareekloof (northwest of Strydenburg).

Geology & Soil: Shales of the Volksrust Formation and to a lesser extent the Prince Albert Formation (both of the **Ecca Group**) as well as Dwyka Group **diamictites** form the underlying geology. Jurassic Karoo **Dolerite sills and sheets** support this vegetation complex in places. Wide stretches of land are covered by superficial deposits including **calcretes** of the Kalahari Group. **Soils are variable from shallow to deep, red-yellow, apedal, and freely drained soils to very shallow Glenrosa and Mispah forms**. Mainly Ae, Ag and Fc land types.



Animal Life [Fauna]: Not many species were directly observed but the presence of nesting sites in the area is an indication that this area is an acceptable habitat for shelter and food for avian species. The natural animal life occurring over the application area includes but is not restricted to, small animals common in this area. List of mammals which are likely to occur over the project area were derived based on distribution record from the Animal Demography Unit (ADU) web portal: <http://vmus.adu.org.za>. Animals that are likely to occur here are: *Cynictis penicillata* (Yellow Mongoose), *Sylvicapra grimmia* (Bush Duiker), *Hystrix africaeaustralis* (Cape Porcupine), *Canis mesomelas* (Black-backed Jackal), *Herpestes sanguineus* (Slender Mongoose), *Raphicerus campestris* (Steenbok), *Otocyon megalotis* (Bat-eared Fox), *Phacochoerus africanus* (Common Warthog) (Suidae). The study area is being known for the agriculture with regard to the production of Cattle.

Surface Water: Riet River: This application area fall within the **water management area of the Upper Orange (13) and secondary catchment area C51 and tertiary drainage region C51K (Surface area km²).** It is not expected that **0.21 ha prospecting sites in total will have any effect on the surface runoff in the drainage catchment area (C51A). There are no streams, pans on site.**

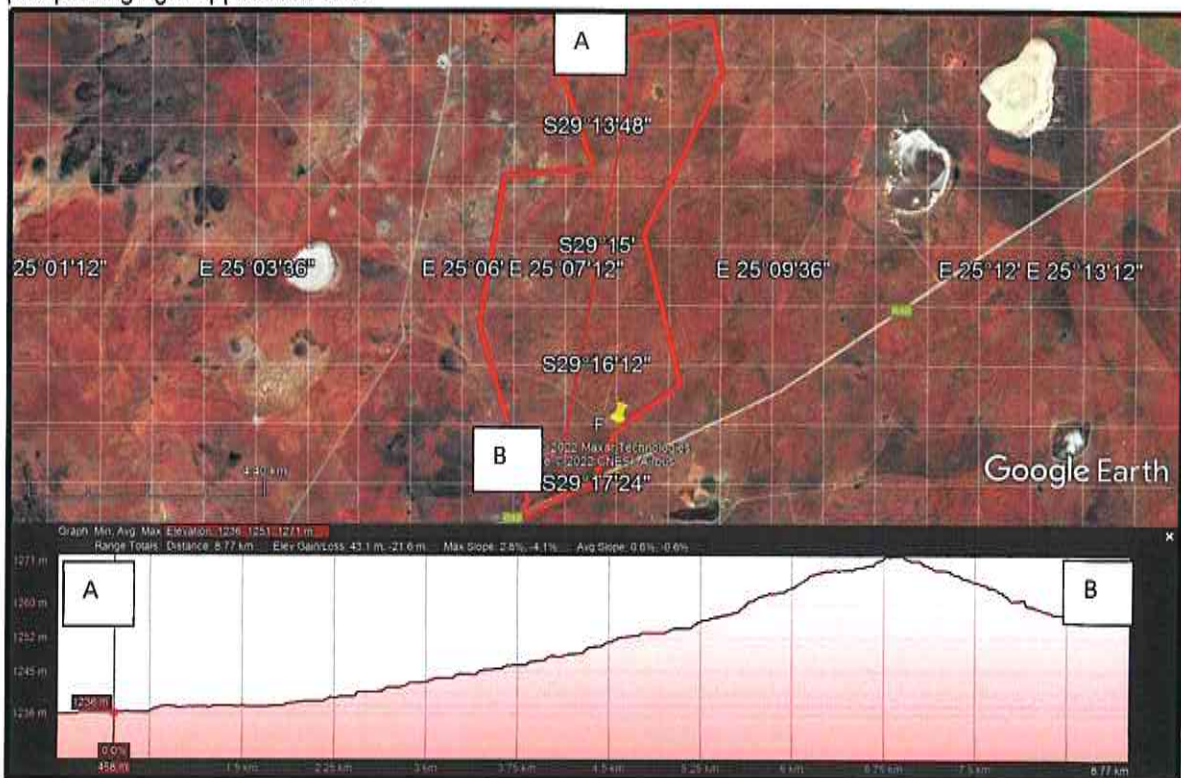
According to NEMA's Screening Tool the *Aquatic biodiversity sensitivity* was classified as being VERY HIGH sensitive. It should actually be low, because there are no streams, pans on site.

Ground Water: The applicant intends TO USE WATER from current boreholes and transport water via tanker to site for prospecting use and potable water.

Air Quality: The impact on air quality will occur from test pits, drilling and movement on the roads. This impact will be low and will be monitored and mitigated through wetting of the roads. This area falls in a very rural area and the impact from windblown dust particles, can have just as big an impact. Areas where testing is completed must be backfilled and re-vegetated as soon as possible to establish a vegetation layer in order to retain the loose soil fractions.

Noise: The impact of noise will be generated by the prospecting equipment. This operation will only be in day time working hours and will have a low impact on current surroundings. And because of the extent of this application area 2408 ha, the sound will get lost and no residence on neighboring farms will be adversely affected. The farmsteads are located within the application area and roads to the application area and will be the most affected by any noise of the prospecting activities. The impact may be greater with regards to wild animals, but they tend to move away toward areas less influenced by noise disturbance.

Topography: The site has one terrain type, which is characterized as “Slightly irregular plains (scattered low hills and pans) (Terrain Morphological Map of S.A. 1983), covered with mainly grassland. The average slope is 0.6 % to -0.61 % (max 2.8 %) that can be described as flat (see slope profile). The average elevation is between 1236-1271 m meters above sea level (masl) over most of the prospecting right application area.



Sites of Archaeological and Cultural Interest: None. No grave yards were found on site.

Sensitive Landscapes: All mining associated activities should be kept 100 meter horizontally away from any (surface water body). None have been identified.

Visual Aspects: These prospecting activities will not be visible to the occupier and neighbours and people travelling on the R 48 and the S586 gravel road.

July 11, 2022

CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870
(the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR

Social: The proposed activity will employ **4 people (manager included)**. Various social amenities are available close to the operation. These include schools, hospitals, clinics, churches, recreation facilities as well as a Police Station at Petrusburg or Koffiefontein, which is located \pm 35 km away from the proposed operation.

(b) Description of the current land uses.

The current land use (agricultural) is natural vegetation for grazing by cattle. There are also small areas that were previously mined.

(c) Description of specific environmental features and infrastructure on the site.

The application area is situated over a rural part of the Fauresmith district. The area is characterized as there is that some parts that look as if historical mining has taken place on site and the rest is natural grazing land for cattle.

All of the above infrastructure can be seen on the Infrastructure Plan - **Appendix 1(b1 & b2)**. **The surrounding farms** are mostly utilized as cultivated field for cash crops and natural grazing and prospecting/mining. Access to the farm is gained by the R48 and existing gravel road (S586) from towards Petrusburg to Koffiefontein (Diamond mining town). See **Appendix 1(b1 & b2)** for Infrastructure Plan of the application area.

(d) (c) Environmental and current land use map.

Current land use on the application area is grazing over natural veld (agriculture). This is privately owned land. See **Appendix 1 C** for more detail.

July 11, 2022

CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870
(the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR

(v) Impacts and risks identified including the nature, significance, consequence, extent, duration and probability of the impacts, including the degree to which these impacts

In term of NEMA – EIA Regulations No. 326 of 7 April 2017 – Reg. 21, Appendix 1 – 3, (1)(h)(v)

The proposed project is anticipated to impact on a range of biophysical and socio-economic aspects of the environment. The main purpose of the BAR/EMPr report is to identify and evaluate the significance of these potential impacts and determine how they can be minimized or mitigated.

It should be noted that a comprehensive Environmental Management Program (EMPr) will be developed and implemented to regulate and minimize the direct, indirect and cumulative impacts during the construction and operational phases. The potential environmental impacts identified, which will be investigated further in the Impact Assessment Phase of the project are summarized in **Table 9** on next page.

Table 9: Impact significance identification matrix for: Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870

PHASE	Components	ABIOTIC										BIOTIC			VISUAL			SOCIO-ECONOMIC		
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q		
	Geology	Topography	Soil	Land capability	Land use potential	Surface water	Ground water	Air quality	Noise	Vegetation	Wildlife	Sensitive landscapes	Visual impact	Archaeological & cultural sites	Socio-economic impacts	Affected parties				
1	Activity, Product or Service																			
2	Demarcation of prospecting licenses area			L	L	L					L									
3	Establishment of prospecting licenses area																			
4	Establishment of prospecting licenses area (removal of bush/scrub/forest) of proper access roads (except existing road) and vegetation clearance (except removal & replanting of 500 tree jobs within the prospecting license area)	L		L	L		L	L	L	L	L				L					
5	Establishment of mineral lease and off-licence storage facilities (temporary), mineral leases	L		L	L	M	M			L			L							
6	Provision of storage tanks (trucks) for portable mining and/or process water (drilling, case suppression)						L	L	L				L							
7	Provision of temporary waste handling/disposal facilities (domestic & industrial waste)			L	L	L	L	L			L	L								
8	Temporary leach pad active prospecting sites or requirements in terms of the MSHA (except cement plant), etc.				L												H+			
9	Vegetation clearance, riparian removal & striping and to be done within the prospecting license area (0.2 ha in total for 500 jobs/for surface area cleared)	L		H	L	L	L	L		H	L		L		M		H			
10	Medium to heavy machinery operation with no mineral and gravel separately from local dump. Remove last sample with excavator and use into bush.	H	L+	H	L	L	L	L	L	H	L		L		M		H			
11	Final building of all test pits (0.2 ha) (0.1 ha)	H+	H+	H+	H+	H+	H+	L	L				L		H+		H+			
12	Reclaim and amend all riparian areas and riparian areas			H+	H+	H+	H+	H+	L	H+	H+		H+		H+		H+			
13	Establishment of vegetation cover			H+	H+	H+	H+	H+		H+	H+		H+		H+		H+			
14	Removal of all temporary & demolition of all permanent structures (excavation of the MSHA)			H+	H+	H+	H+	H+	L	H+	H+		H+		H+		H+			
15	Finalization of all access roads, compacted areas, etc.			H+	H+	H+	H+	H+	L	H+	H+		H+		H+		H+			

July 11, 2022	CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870 (the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR
---------------	---

(vi) Methodology used in determining and ranking the nature, significance, consequences, extent, duration and probability of potential environmental impacts and risks;

In term of NEMA – EIA Regulations No. 326 of 7 April 2017 – Reg. 21, Appendix 1 – 3. (1)(h)(vi)

Introduction:

This section below describes and evaluates the effects of the different prospecting projects and the associated activities on the natural and social environments. The different environmental components, on which the project (can/may) have an impact, are:

- | | |
|--------------------|---------------------------------------|
| 1. Geology | 9. Ground Water |
| 2. Topography | 10. Air Quality |
| 3. Soil | 11. Noise |
| 4. Land Capability | 12. Archaeological and Cultural sites |
| 5. Land Use | 13. Sensitive Landscapes |
| 6. Vegetation | 14. Visual Aspects |
| 7. Wildlife | 15. Socio-economic Structure |
| 8. Surface Water | 16. Interested and Affected Parties |

IMPACT ASSESSMENT

Before the impact assessment could be done the different project activities were identified:

ACTIVITIES:

- Access Roads (existing farm roads to be upgraded if regularly travelled during 5 years where required)
- Temporary office/store (ship containers), mobile water tank, mobile diesel tank.
- Prospecting equipment (Mobile drill rig, excavator, truck, generator)
- Test pits and drill holes
- Temporary waste storage facilities (domestic and industrial), bins drums, etc.
- Camp site (at farm dwelling)

Environmental Impact Assessment Summary:

- Environment likely to be affected by the prospecting operation. (See Appendix 1(a) for location)**

Environmental aspect	Affected		Not affected
	Neoglacial	Substantial	
1. GEOLOGY		X	
2. TOPOGRAPHY	X		
3. SOIL		X	
4. LAND CAPABILITY	X		
5. LAND USE	X		
6. VEGETATION		X	
7. WILDLIFE	X		
8. SURFACE WATER			X
9. GROUND WATER			X
10. AIR QUALITY	X		
11. NOISE	X		
12. SENSITIVE LANDSCAPES			X
13. VISUAL ASPECTS	X		
14. SOCIO ECONOMICS	X		
15. INTERESTED & AFFECTED PARTIES	X		
16. ARCHAEOLOGICAL			X

July 11, 2022	CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870 (the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR
---------------	---

- **Environment likely to be affected by the alternative land use**
Mining will be a new land use over this area. **The site that is earmarked for prospecting represents ± 0,009 % (0.21ha) of the total farm area (2408 ha).** And it is further not foreseen that prospecting activities would disturbed an area of more than 021 ha at any given time. The rest of the terrain would continue to be used for agriculture purposes (grazing by cattle) by the occupier (Mr P. Matosa).
- **Assessment of the impacts created by the prospecting activity**
Before any assessment can be made the following evaluation criteria need to be described:

Explanation of probability of impact occurrence

Probability of impact occurrence	Explanation of probability
Very low	<20% sure of particular fact or likelihood of impact occurring.
Low	20 to 39% sure of particular fact or likelihood of impact occurring.
Moderate	40 to 59% sure of particular fact or likelihood of impact occurring.
High	60 to 79% sure of particular fact or likelihood of impact occurring.
Very high	80 to 99% sure of particular fact or likelihood of impact occurring.
Definite	100% sure of particular fact or likelihood of impact occurring.

Explanation of extent of impact

Extend of impact	Explanation of extend
Site specific	Direct and indirect impacts limited to site of impact only.
Local	Direct and indirect impacts affecting environmental elements within the Fauresmith area.
Regional	Direct and indirect impacts affecting environmental elements within Free State Province.
National	Direct and indirect impacts affecting environmental elements on a national level.
Global	Direct and indirect impacts affecting environmental elements on a global level.

Explanation of duration of impact

Duration of impact	Explanation of duration
Very short	Less than 1 year
Short	1 to 5 years
Medium	6 to 12 years
Long	13 to 50 years
Very long	Longer than 50 years
Permanent	Permanent

Explanation of impact significance

Impact significance	Explanation of significance
No impact	There would be no impact at all - not even a very low impact on the system or any of its parts.
Very low	Impact would be negligible. In the case of negative impacts, almost no mitigation and/or remedial activity would be needed, and any minor steps, which might be needed, would be easy, cheap and simple. In the case of positive impacts, alternative means would almost all likely to be better, in one or a number of ways, than this means of achieving the benefit.
Low	Impact would be of a low order and with little real effect. In the case of negative impacts, mitigation and/or remedial activity would be either easily achieved or little would be required, or both. In case of positive impacts, alternative means for achieving this benefit would likely be easier, cheaper, more effective, less time-consuming, or some combination of these.
Moderate significance	Impact would be real but not substantial within the bounds of those which could occur. In the case of negative impacts, mitigation and/or remedial activity would be both feasible and fairly easily possible. In the case of positive impacts, other means of achieving these benefits would be about equal in time, cost and effort.
High significance	Impacts of a substantial order. In the case of negative impacts, mitigation and/or remedial activity would be feasible but difficult, expensive, time-consuming or some combination of these. In the case of positive impacts, other means of achieving this benefit would be feasible, but these would be more difficult, expensive, time-consuming or some combination of these.
Very high significance	Of the highest order possible within the bounds of impacts which could occur. In the case of negative impacts, there would be no possible mitigation and/or remedial activity to offset the impact at the spatial or time scale for which it was predicted. In the case of positive impacts, there is no real alternative to achieving the benefit.

(vii) The positive and negative impacts that the proposed activity (in terms of the initial site layout) and alternatives will have on the environment and the community that may be affected.

In terms of the EIA regulations, consideration must be given to alternatives. Alternatives are different approaches and ways of meeting the need, purpose and objectives of a proposed activity. Alternatives may include a location site alternative, activity alternatives, processes or technology alternatives, temporal alternatives etc. the no-go alternative or option is also considered, as it provides the baseline against which the impacts or other alternatives may be compared.

However, for this specific project, no alternatives have been investigated, with the exception of the no-go alternative. The reason for this being that the mining permit is being applied for the sole purpose of mining of diamond bearing gravel. The no-go option entails the continuation of the current land use (natural grazing) on the study site. The project will contribute towards providing continued jobs for current staff. Should the proposed project therefore not be authorized to proceed, it is anticipated that current employment opportunities will be terminated once the mineral reserves have been depleted.

The no-go option is therefore not a feasible option in this case, as it suggests that the mineral reserves should not be exploited and current employment opportunities should not materialize or be prolonged.

The site layout will be only the test pits, drill sites and the office/storage containers. The stockpiles of the topsoil will be placed next to the side walls of the test pits on the outside. This will have the advantage to be nearby available to be used for rehabilitation. The stockpiles for the test pit sample material/ drill cores will be placed just outside the test pit/hole within the prospecting site and will have the advantage that the loading of truck can proceed without hampering the prospecting process and will be a safer mining environment.

(viii) The possible mitigation measures that could be applied and the level of risk.

Refer to the results of consultation contained in **Table 7** for the issues that were raised by I&AP's and stakeholders during the review period of the Consultation phase of the BAR/EMPr report, as well as the response to those issues made by the Environmental Assessment Practitioner.

The access farm road will (regularly used) be maintained by Crystal Blue Diamond Mining (Pty) Ltd. or the period of prospecting and all measures for safety of the other road users will be in place and properly managed.

The mitigation measures and technical management action plans which address potential impacts are discussed below. Please see section below for more detail.

July 11, 2022	CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870 (the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR
---------------	---

Table 10: Assessment of the nature, extent, duration, probability and significance of the potential environmental, social and cultural impacts of the proposed prospecting operation, including the cumulative environmental impacts

ASPECT	IMPACTS				CUMULATIVE IMPACTS
1. GEOLOGY					
Nature of the impact	Geology: deposits will be destroyed during the prospecting operation. During operation which will be for the next 5 years, the presence of the mineral resource will be evaluated from mineral deposits (Kimberlite and Alluvial deposits). Waste rock material/overburden material is backfilled in existing test pits /drilled holes as part of the prospecting process.				
Extent	Site				Activity causing the impact
Duration	Permanent				A test pit sampling and reverse core drilling prospecting methods will be used to extract possible mineral deposits for evaluation. Therefore the original geology will be totally destroyed.
Probability	Definite				
Significance	High				
Phase responsible for the impact	Phase 1-3	Phase 4	Phase 5	Closure	
		X	X	X	

ASPECT	IMPACTS				CUMULATIVE IMPACTS
2. TOPOGRAPHY					
Nature of the impact	<ul style="list-style-type: none"> * Change in landform : * The prospecting area is situated on: level plains with some relief. * Disturbance of the surface drainage: The prospecting of the mineral deposits will result in the creation of small test pits (2 x 2 m x 4 m or less) (500 in total over a period of 5 years), that act as depressions in the environment that captures run-off. Prospecting activities will be concentrated as indicated on Appendix 1(b) on the application area (approximately 4 m depth). Normal surface drainage will be disturbed at a given point but it is negligible. Run-off if any will be diverted away from the specific site.				
Extent	Site				Activity causing the impact
Duration	Long (1- 5years)				Creation of excavations (test pits)
Probability	Definite				
Significance	High				
Phase responsible for the impact	Phase 1-2	Phase 4	Phase 5	Closure	
		X		X	

ASPECT	IMPACTS				CUMULATIVE IMPACTS
3. SOIL					
Nature of the impact	The surface area is characterized by various soil depths as the area was disturbed before. Any construction of infrastructure should be preceded by the removal of all available topsoil where available.				
Extent	Site				Activity causing the impact
Duration	Long				In the process of removing topsoil the soil layers are mixed and the structure may be disturbed.
Probability	Low				
Significance	Moderate				
Phase responsible for the impact	Phase 1-3	Phase 4	Phase 5	Closure	
		X	X	X	

3. SOIL	IMPACTS	CUMULATIVE IMPACTS		
Nature of the impact	The establishment, construction, operation and eventually rehabilitation (demolition) of listed structures such as the access roads, office/storage site cause compaction of soil. All prospecting activities will be concentrated on the identified prospecting focus area where mineral deposits could be found. In the same time a certain surface area is therefore alienated. The active mining surface area (alienated) would be restricted within the ±0.21 ha at any given time (in relation to area of application of the prospecting right of 2408 ha) for the next 5 years.			
Extent	Site	Activity causing the impact		
Duration	Long	Site preparation for additional mining sites and the construction, operation of listed infrastructure.		
Probability	High			
Significance	Moderate			
Phase responsible for the impact	Phase 1-3	Phase 4	Phase 5	Closure
		X	X	X

ASPECT	IMPACTS	CUMULATIVE IMPACTS		
3. SOIL				
Nature of the impact	Soil erosion: Due to the fact that certain surface areas would become compacted and this would lead to lesser infiltration of rainwater and more run-off that could cause erosion on bare disturbed surfaces. Erosion would always be possible until such time a vegetation cover is provided during rehabilitation phase.			
Extent	Site	Activity causing the impact		
Duration	Very short	When removing topsoil during site preparation, little storm water control structures are in place. If a severe storm hits the area, it may lead to erosion on site. Topsoil stockpiles may be prone to erosion due to lack of vegetation cover. Water control structures may fail or severe rainstorms may cause excessive run-off. Surface compaction due to activities taking place.		
Probability	Very low			
Significance	Low			
Phase responsible for the impact	Phase 1-3		Phase 4	Phase 5
		X	X	X

ASPECT	IMPACTS	CUMULATIVE IMPACTS		
3. SOIL				
Nature of the impact	Potential of soil contamination.	None.		
Extent	Site	Activity causing the impact		
Duration	Long	Vehicle/equipment breakages and oil/lubricant /diesel spills may contaminate soil.		
Probability	Moderate			
Significance	Moderate			
Phase responsible for the impact	Phase 1		Phase 2	Phase 3
		X	X	X

ASPECT	IMPACTS	CUMULATIVE IMPACTS		
3. SOIL				
Nature of the impact	Loss of soil structure	None		
Extent	Site	Activity causing the impact		
Duration	Long	In the process of removing topsoil the soil layers are mixed and the structure may be disturbed.		
Probability	High			
Significance	Moderate			
Phase responsible for the impact	Phase 1-3		Phase 4	Phase 5
		X	X	X

July 11, 2022	CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870 (the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR
---------------	---

ASPECT	IMPACTS				CUMULATIVE IMPACTS
3.SOIL					
Nature of the impact	Loss of soil fertility				None
Extent	Site				Activity causing the impact
Duration	Short				The mixing of soil during site preparation, compaction and potential pollution (spillages form oil etc.) all may cause this situation.
Probability	Definite				
Significance	Low				
Phase responsible for the impact	Phase 1-3	Phase 4	Phase 5	Closure	
		X	X		

ASPECT	IMPACTS				CUMULATIVE IMPACTS
4.LAND CAPABILITY					
Nature of the impact	Temporary loss of land capability to support grazing. The small area (0.21 ha) where the active prospecting activities occur (test pits, drill holes) etc. will thus be temporary alienated, until the area is rehabilitated. All excavations (test pits, drilling holes) would be rehabilitated as part of the prospecting process during which excavations are back-filled. The rest of the application area will still be used by the occupier as agricultural grazing land.				
Extent	Site				Activity causing the impact
Duration	Long				Site preparation for additional prospecting g sites and the construction, operation of listed infrastructure, the land capability of the active prospecting area will be totally destroyed.
Probability	Definite				
Significance	Moderate				
Phase responsible for the impact	Phase 1-3	Phase 4	Phase 5	Closure	
		X	X	X	

ASPECT	IMPACTS				CUMULATIVE IMPACTS
5. LAND USE					
Nature of the impact	The rehabilitation of the historically disturbed areas will have a positive impact on land use. This is a new prospecting operation on an old disturbed area and therefore will lose its land use to support grazing on a certain portion of the 2408 ha during the next 5 years. Only a small portion of land (0.21 ha at a time) would be affected by the prospecting operation relation to the total prospecting right application area of 2408 ha. All excavations would be rehabilitated as part of the prospecting process during which excavations are back-filled.				
Extent	Site				Activity causing the impact
Duration	Long				Site preparation for prospecting and the construction, operation of listed infrastructure
Probability	Definite				
Significance	Moderate				
Phase responsible for the impact	Phase 1-3	Phase 4	Phase 5	Closure	
		X	X		

ASPECT	IMPACTS				CUMULATIVE IMPACTS
6.VEGETATION					
Nature of the impact	Vegetation clearance, disturbance and trampling. Destruction of habitats for vegetation. Due to a disturbed ecosystem, bare ground and spreading of exotics can follow.				
Extent	Site				Activity causing the impact
Duration	Long				The site preparation for new sites, construction of listed infrastructure will cause destruction of habitats for vegetation. Due to a disturbed ecosystem, bare ground and invasion of exotics could further spread. The vegetation needs to be cleared to remove the topsoil.
Probability	Definite				
Significance	Low to Moderate				
Phase responsible for the impact	Phase 1-3	Phase 4	Phase 5	Closure	
		X	X		

July 11, 2022	CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870 (the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR
---------------	---

ASPECT	IMPACTS				CUMULATIVE IMPACTS
6. VEGETATION					
Nature of the impact	Habitat change, loss of species, spread of alien and invasive species.				
Extent	Site				Activity causing the impact
Duration	Long				The change in the current habitat will be mitigated during final rehabilitation.
Probability	High				
Significance	Low				
Phase responsible for the impact	Phase 1-3	Phase 4	Phase 5	Closure	
		X	X	X	

ASPECT	IMPACTS				CUMULATIVE IMPACTS
6. VEGETATION					
Nature of the impact	Dust coverage of plants.				None
Extent	Site				Activity causing the impact
Duration	Long				Heavy trucks, other vehicles on dirt roads, drilling are mainly responsible for this impact.
Probability	High				
Significance	Low				
Phase responsible for the impact	Phase 1-3	Phase 4	Phase 5	Closure	
		X	X		

ASPECT	IMPACTS				CUMULATIVE IMPACTS
7. WILDLIFE					
Nature of the impact	Wildlife or wildlife habitat destruction /change / disturbance.				None
Extent	Site				Activity causing the impact
Duration	Long				The flora which normally serves as habitat for animals would be destroyed during site preparation. The increase in activity will temporarily scare other animals. The area will serve as a new habitat after rehabilitation.
Probability	High				
Significance	Low				
Phase responsible for the impact	Phase 1-3	Phase 4	Phase 5	Closure	
		X	X		

ASPECT	IMPACTS				CUMULATIVE IMPACTS
7. WILDLIFE					
Nature of the impact	Injury and death to wildlife.				None
Extent	Site				Activity causing the impact
Duration	Short				The movement of vehicles may kill certain insects, rodents and possible birds. Most of the remaining animal life will however move away due to noise.
Probability	Very low				
Significance	Low				
Phase responsible for the impact	Phase 1	Phase 2	Phase 3	Closure	
		X	X		

ASPECT	IMPACTS				CUMULATIVE IMPACTS
7. WILDLIFE					
Nature of the impact	Restoration of habitat.				None
Extent	Site				Activity causing the impact
Duration	Short				As rehabilitation progresses the habitat of certain species will be restored/created (Closure objective) Animals will probably only move back when human movement is limited.
Probability	Low				
Significance	Low				
Phase responsible for the impact	Phase 1	Phase 2	Phase 3	Closure	
		X	X	X	

July 11, 2022	CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870 (the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR
---------------	---

SPECT	IMPACTS	CUMULATIVE IMPACTS			
8. SURFACE					
Nature of the impact	Increased silt load. Clearing topsoil for footprint areas can increase infiltration rates of water to the groundwater system and decrease buffering capacity of soils to absorb contaminants from spills on surface. This can increase the risk of contamination of the groundwater system (increases aquifer vulnerability).				
Extent	Local	Activity causing the impact			
Duration	Short	The clearance of vegetation and the traffic on access roads will all contribute to an increase in the silt load on the mining area.			
Probability	Moderate				
Significance	Moderate				
Phase responsible for the impact	Phase 1-3		Phase 4	Phase 5	Closure
			X	X	X

ASPECT	IMPACTS	CUMULATIVE IMPACTS			
8. SURFACE					
Nature of the impact	Change in surface water quality. Spillages from vehicles and also surface water run-off that is not adequately diverted away from the active prospecting excavations could end-up in the excavations creating problems regarding water quality and hindering the prospecting process. Surface run-off from active prospecting sites if not adequately contained on site could end-up in the adjacent undisturbed natural veld. If the natural surface run-off is not adequately diverted, mining sections could become silted-up.				
Extent	Local	Activity causing the impact			
Duration	Short	"Dirty / Clean" water systems at facilities like the overburden dumps, roads, excavations, etc. may impact on the quality of the surface water. The water should be contained in the surface runoff control measures provided therefore.			
Probability	Moderate				
Significance	High				
Phase responsible for the impact	Phase 1-3		Phase 4	Phase 5	Closure
			X	X	

ASPECT	IMPACTS	CUMULATIVE IMPACTS			
8. SURFACE					
Nature of the impact	Change in surface water quantity: Notwithstanding the above-mentioned facts, it is not expected that prospecting operations will have any effect on the boundaries or the general water flow of the catchment. Standing water in test pits could as the result of rain/ surface run-off ending up in shallow depressions. Water for the dust suppression might be used from the borehole.				
Extent	Site	Activity causing the impact			
Duration	Long	It is an operational objective to contain or divert all surface run-offs from the active prospecting excavations area mainly due to pollution (sediment) potential. This will reduce the run-off quantity, although small in comparison with the drainage area in total.			
Probability	Moderate				
Significance	Low				
Phase responsible for the impact	Phase 1-3		Phase 2	Phase 3	Closure
			X	X	

July 11, 2022	CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870 (the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR
---------------	---

ASPECT	IMPACTS	CUMULATIVE IMPACTS								
9. GROUND WATER										
Nature of the impact	Reduction of groundwater quality. Prospecting activities are not likely to impact on local ground-water quality. No chemicals are used during the prospecting process. Handling of waste and transport of building material can cause various types of spills (domestic waste, pit latrines, hydrocarbons) which can infiltrate and contaminate the groundwater system.									
Extent	Site	Activity causing the impact								
Duration	Long									
Probability	Definite									
Significance	Low									
Phase responsible for the impact	<table border="1"> <tr> <td>Phase 1</td> <td>Phase 2</td> <td>Phase 3</td> <td>Closure</td> </tr> <tr> <td></td> <td>X</td> <td>X</td> <td>X</td> </tr> </table>	Phase 1	Phase 2	Phase 3	Closure		X	X	X	
Phase 1	Phase 2	Phase 3	Closure							
	X	X	X							

9. GROUND WATER										
Nature of the impact	Even though abstraction (from a borehole) is likely to have a minimal effect on the surrounding groundwater users, this is a new use, and groundwater levels are expected to continue current trends. Groundwater will be abstracted for potable water supply and dust suppression. The volume of water needed is small (5000 Lit/day) in comparison to other water use and will have a small impact on the surrounding aquifer.									
Extent	Site	Activity causing the impact								
Duration	Long	Opencast mining operation.								
Probability	Low									
Significance	High									
Phase responsible for the impact	<table border="1"> <tr> <td>Phase 1</td> <td>Phase 2</td> <td>Phase 3</td> <td>Closure</td> </tr> <tr> <td></td> <td>X</td> <td>X</td> <td>X</td> </tr> </table>	Phase 1	Phase 2	Phase 3	Closure		X	X	X	
Phase 1	Phase 2	Phase 3	Closure							
	X	X	X							

ASPECT	IMPACTS	CUMULATIVE IMPACTS								
10. AIR QUALITY										
Nature of the impact	Dust will be generated during the prospecting operation (loading with an excavator on to a dump truck)(core drilling of holes) and transportation on gravel/dirt/farm roads. The core drilling is a wet process and therefore minimum dust is generated. Some drill rigs have dust bag collectors.									
Extent	Site	Activity causing the impact								
Duration	Long	Initial construction work with regard to infrastructure (roads) that involves earth moving equipment. Dust could be generated as indicated during prospecting.								
Probability	Moderate									
Significance	Moderate									
Phase responsible for the impact	<table border="1"> <tr> <td>Phase 1-3</td> <td>Phase 4</td> <td>Phase 5</td> <td>Closure</td> </tr> <tr> <td></td> <td>X</td> <td>X</td> <td>X</td> </tr> </table>	Phase 1-3	Phase 4	Phase 5	Closure		X	X	X	
Phase 1-3	Phase 4	Phase 5	Closure							
	X	X	X							

ASPECT	IMPACTS	CUMULATIVE IMPACTS								
11. NOISE										
Nature of the impact	Noise will be generated during the prospecting operation (loading with an excavator on to a dump truck and transportation) & drilling with drill rig. The prospecting area itself is located in rural landscape. The impact would be of more importance regarding the direct worker environment that should adhere to the requirements in terms of the Mine Health and Safety Act.									
Extent	Local	Activity causing the impact								
Duration	Long	Earth moving equipment and vehicles (trucks) and drilling (drill rig).								
Probability	Definite									
Significance	Moderate									
Phase responsible for the impact	<table border="1"> <tr> <td>Phase 1-3</td> <td>Phase 4</td> <td>Phase 5</td> <td>Closure</td> </tr> <tr> <td></td> <td>X</td> <td>X</td> <td>X</td> </tr> </table>	Phase 1-3	Phase 4	Phase 5	Closure		X	X	X	
Phase 1-3	Phase 4	Phase 5	Closure							
	X	X	X							

July 11, 2022	CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870 (the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR
---------------	---

ASPECT	IMPACTS	CUMULATIVE IMPACTS								
12. ARCHAEOLOGICAL AND CULTURAL SITES										
Nature of the impact	The terrain is not archaeologically vulnerable as it was disturbed before (agriculture & mining activities). It is unlikely that the proposed development will result in any significant archaeological impact at the site.									
Extent	Site	Activity causing the impact								
Duration	Long									
Probability	Definite									
Significance	Low									
Phase responsible for the impact	<table border="1"> <tr> <td>Phase 1-3</td> <td>Phase 4</td> <td>Phase 5</td> <td>Closure</td> </tr> <tr> <td></td> <td>X</td> <td>X</td> <td></td> </tr> </table>	Phase 1-3	Phase 4	Phase 5	Closure		X	X		
Phase 1-3	Phase 4	Phase 5	Closure							
	X	X								

ASPECT	IMPACTS	CUMULATIVE IMPACTS								
13. SENSITIVE LANDSCAPE										
Nature of the impact	No sensitive landscapes identified.									
Extent	Not applicable	Activity causing the impact								
Duration	Not applicable									
Probability	Not applicable									
Significance	Not applicable									
Phase responsible for the impact	<table border="1"> <tr> <td>Phase 1-3</td> <td>Phase 4</td> <td>Phase 5</td> <td>Closure</td> </tr> <tr> <td></td> <td>X</td> <td>X</td> <td></td> </tr> </table>	Phase 1-3	Phase 4	Phase 5	Closure		X	X		
Phase 1-3	Phase 4	Phase 5	Closure							
	X	X								

ASPECT	IMPACTS	CUMULATIVE IMPACTS								
14. VISUAL										
Nature of the impact	Prospecting will be partly visible to the neighbours living there and not visible to from the R48 road or S586.									
Extent	Site	Activity causing the impact								
Duration	Long	Prospecting operation.								
Probability	Definite									
Significance	Low									
Phase responsible for the impact	<table border="1"> <tr> <td>Phase 1-3</td> <td>Phase 4</td> <td>Phase 5</td> <td>Closure</td> </tr> <tr> <td></td> <td>X</td> <td>X</td> <td>X</td> </tr> </table>	Phase 1-3	Phase 4	Phase 5	Closure		X	X	X	
Phase 1-3	Phase 4	Phase 5	Closure							
	X	X	X							

ASPECT	IMPACTS	CUMULATIVE IMPACTS								
15. SOCIO ECONOMICS										
Nature of the impact	Increase in Socio – economic activity at local level. The project in itself would ensure that approximately 4 people would be assured of a job for some time. Job creation plays a major role in increasing the economic wellbeing of employees and their dependants in the Fauresmith district. Once all prospecting operations have ceased it would definitely have a negative impact.	The increase in socio-economic activity will add to the current growth and development in Petrusburg/Koffiefontein already created by industry and mining.								
Extent	Local	Activity causing the impact								
Duration	Long	Additional employment opportunities created.								
Probability	Definite									
Significance	High									
Phase responsible for the impact	<table border="1"> <tr> <td>Phase 1-3</td> <td>Phase 4</td> <td>Phase 5</td> <td>Closure</td> </tr> <tr> <td></td> <td>X</td> <td>X</td> <td>X</td> </tr> </table>	Phase 1-3	Phase 4	Phase 5	Closure		X	X	X	
Phase 1-3	Phase 4	Phase 5	Closure							
	X	X	X							

July 11, 2022	CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870 (the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR
---------------	---

ASPECT	IMPACTS	CUMULATIVE IMPACTS								
15. SOCIO ECONOMICS										
Nature of the impact	The main impact on the occupiers is visual impact and the small area of 0.21 ha that will not be available for agricultural activities at any given time for 5 years.	The economic benefits in terms of investment and the delivery of services in the Free State province will get an additional benefit from the project.								
Extent	Regional	Activity causing the impact								
Duration	Long									
Probability	High									
Significance	Moderate									
Phase responsible for the impact	<table border="1"> <tr> <td>Phase 1-3</td> <td>Phase 4</td> <td>Phase 5</td> <td>Closure</td> </tr> <tr> <td></td> <td>X</td> <td>X</td> <td>X</td> </tr> </table>	Phase 1-3	Phase 4	Phase 5	Closure		X	X	X	
Phase 1-3	Phase 4	Phase 5	Closure							
	X	X	X							

ASPECT	IMPACTS	CUMULATIVE IMPACTS								
16. INTERESTED & AFFECTED PARTIES										
Nature of the impact	Impact of activities on I&AP's Temporary loss of utilization of the small prospecting focus areas for agricultural purposes (grazing). The long-term benefits far out-weight the current benefits from the current use. Loss of cattle due to falling of animals in prospecting workings (test pits) if not fenced. No negative impact is expected that could be appropriately mitigated, such as the eventual rehabilitation of the excavations.									
Extent	Local	Activity causing the impact								
Duration	Long									
Probability	High									
Significance	High									
Phase responsible for the impact	<table border="1"> <tr> <td>Phase 1-3</td> <td>Phase 4</td> <td>Phase 5</td> <td>Closure</td> </tr> <tr> <td></td> <td>X</td> <td>X</td> <td>X</td> </tr> </table>	Phase 1-3	Phase 4	Phase 5	Closure		X	X	X	
Phase 1-3	Phase 4	Phase 5	Closure							
	X	X	X							

(ix) Outcome of site section matrix

In term of NEMA – EIA Regulations No. 326 of 7 April 2017 – Reg. 21, Appendix 1 – 3. (1)(h)(ix)

Motivation where no alternative sites were considered

Alternative is not applicable. The current land use is agricultural and is being utilized as grazing for cattle by Mr. P Motosa. The option to explore the possibility for prospecting is already in itself an alternative land use. The applicant, Crystal Blue Diamond Mining (Pty) Ltd., is not interested in any other alternative land use over this land aside of prospecting or any other activity on the designate 2408 ha, or method use other than prospecting for the aforementioned minerals in the conversional way, which is the most cost effective. Please note that no additional infrastructure will be established, and therefore no alternatives for the location of infrastructure were identified.

(x) Statement motivating the alternative development location within the overall site

In term of NEMA – EIA Regulations No. 326 of 7 April 2017 – Reg. 21, Appendix 1 – 3. (1)(h)(x)

The application area applied for is only 2408, 0332 hectares thus the development location is limited to this area and the area where the mineral deposits possible occur.

I. FULL DESCRIPTION OF THE PROCESS UNDERTKEN TO IDENTIFY, ASSESS AND RANK THE IMPACTS AND RISKS THE ACTIVITY WILL IMPOSE ON THE PREFERRED SITE (IN RESPECT OF THE FINAL SITE LAYOUT PLAN) THROUGH THE LIFE OF THE ACTIVITY

In term of NEMA – EIA Regulations No. 326 of 7 April 2017 – Reg. 21, Appendix 1 – 3. (1)(h)(xi)

See Table 11 below:

Table 11: Technical & Management Action Plans

Environmental Component	Geology
Environmental Management/Mitigation Measures/Action Plans/Commitments	
<ul style="list-style-type: none"> • No mitigation exists except to backfill the excavations (test pits, core drill holes) with the rock waste material and fine tailings. • As prospecting progressed and the excavations have been back-filled, a certain amount of overburden material and topsoil would be placed on these areas. This will not restore the geology, but will mitigate the impact. • Planned, systematic and thorough prospecting for the mineral resource (kimberlite, alluvial gravel deposits) should take place. • Optimal utilization of the mineral resource should take place within the boundaries of the prospecting terrain. • Strip, remove and store soil and overburden as far as practical in an orderly fashion and replace as far as possible on back-filled areas, in the reverse order once decision have been taken that no further prospecting would take place in a particular 	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
Optimal exploration of the mineral resource in order to ensure to facilitate better rehabilitation planning. The overburden and topsoil (where available) must be replaced in a responsible and planned manner in order to achieve some conformity with the surrounding undisturbed area.	

Environmental Component	Topography
Environmental Management/Mitigation Measures/Action Plans/Commitments	
<ul style="list-style-type: none"> • All test pit , core drill holes should be back-filled with waste tailings material and eventually overburden material, compacted and covered with a shallow layer of topsoil (if available). • Access to all active prospecting excavation areas should be controlled. The active prospecting site should be temporally fenced off. The necessary warning signs should be put in place. All prospecting activities should be restricted to the fenced-off area. • Surface run-off control should be put in place at active test pit sites (preventing water from entering). <p>Prospecting would be done according to a definite PWP (only disturbing an area that is really necessary). As part of the PWP the handling of tailings material, overburden material, back-filling of test pits, core drilled holes should also form part of it. Rehabilitation of the new topographical landscape in such a way that it would blend in with the surrounding landscape and allow normal surface drainage to continue. As soon as a section of the prospecting site would not be explored anymore it should be rehabilitated (planned and phased manner).</p>	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
Rehabilitation of the new topographical landscape in such a way that it would blend in with the surrounding landscape and allow normal surface drainage to continue. Rehabilitation in such a way that the new landscape features would be stable and would not pose any safety hazard to human and animal anymore.	

Environmental Component	Soil (topsoil & access roads)
Environmental Management/Mitigation Measures/Action Plans/Commitments	
<p>Handling of topsoil as a natural resource: Any future expansion of the excavations or construction of infrastructure should be preceded by the removal of all available topsoil. The surface of any new areas to be disturbed must be kept to a minimum. All available topsoil/overburden material should be removed and stockpiled for rehabilitation purposes.</p> <p>Access roads, etc: The clearing of soil surface areas would be restricted to what is really necessary for the construction of infrastructure. Wherever possible all topsoil should be removed and stockpiled for rehabilitation purposes. Overburden material should also be stockpiled separately if practically possible. Topsoil and overburden material should be transported to an area earmarked for rehabilitation.</p>	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
<p>The topsoil removed in the site preparation process should be replaced during the rehabilitation exercise. Alleviation of compaction of soils would be done during rehabilitation of the terrain, including roads. No soil erosion must be visible and no potential for soil erosion must be present at closure. No soil contamination must be visible or known before closure can be given. No compaction of any roads or any other area must be present during closure. If the soil structure is disturbed mitigation measures e.g. the use of organic material, lime and fertilizers must be implemented to restore the soil structure. The soil must be fertile enough to sustain vegetation.</p>	

Environmental Component	Soil (soil compaction)
Environmental Management/Mitigation Measures/Action Plans/Commitments	
<p>Soil compaction: The prospecting operation should only be restricted to what is really required (demarcated area of exploitation) within the fenced-off area. Access roads towards the sites would be restricted only to the roads (existing farm roads & roads established in consultation with the surface owner). No land would be disturbed unnecessarily. Prospecting & rehabilitation should be done in a well-planned manner (according to a PWP) and in the process ensuring that activities are only restricted to surface areas really required. Compaction of soil surface areas would be alleviated once rehabilitation of certain area starts. Certain roads would probably remain for access (in consultation with the surface owner). Those that would not be required would be ripped and rehabilitated.</p>	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
Alleviation of compaction of soils would be done during rehabilitation of the prospecting terrain, including roads.	

Environmental Component	Soil (Soil erosion)
Environmental Management/Mitigation Measures/Action Plans/Commitments	
<p>Soil Erosion: To take preventive steps against land disturbance like erosion. Implement and maintain cut-off trenches/berms to prevent erosion.</p> <p>Re-vegetation of exposed soil surfaces (man-made surfaces, disturb surfaces in excavated sites, roads, etc.) should happen as soon as a particular activity has ceased in order to act as a sufficient erosion prevention measure.</p>	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
No soil erosion must be visible and no potential for soil erosion must be present at closure.	

Environmental Component	Soil (Soil contamination)
--------------------------------	----------------------------------

Environmental Management/Mitigation Measures/Action Plans/Commitments
<p>Potential for soil contamination: Vehicles to be inspected to ensure no oil and hydraulic fluid leaks occur. All oil spills on soil to be removed and bio-remediate immediately (certain commercial products are available such as Terrasorb or it could be rehabilitated by means of the application of fertilizer and turn with a spade from time to time in order to enhance the natural occurring soil microbial activity). No servicing of vehicles must occur except on a steel floor in an area allocated for that. Training w.r.t pollution hazards and their impact on the environment must be given as part of induction training. An incidence register for this purpose must be kept. Drip trays must be available and used where emergency repairs is done.</p>
EMP Performance Assessment & Monitoring Reporting
To be included in EMP/EIA.
Closure Objective
No soil contamination must be visible or known before closure can be given.

Environmental Component	Soil (Soil structure)
Environmental Management/Mitigation Measures/Action Plans/Commitments	
<p>Change in Soil structure: Ensure that all available (if any) topsoil is carefully removed in different areas. The soil must also be compacted as backfilling is done. No unnecessary driving towards the active prospecting site is allowed due to soil compaction that may occur. Use organic material e.g. manure to restore the soil structure during rehabilitation. Ensure that the rehabilitation plan makes provision for ripping of roads and spreading of organic material and that this is used during rehabilitation.</p>	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
No compaction of any roads or any other area must be present during closure. If the soil structure is disturbed mitigation measures e.g. the use of organic material, lime and fertilizers must be implemented to restore the soil structure.	

Environmental Component	Soil (Soil fertility)
Environmental Management/Mitigation Measures/Action Plans/Commitments	
<p>Soil fertility: Little can be done to preserve the moisture status of the soil once it is exposed. The soil must be used for rehabilitation as quickly as possible. The soil on the rehabilitated area must be analysed to determine the deficiencies and fertilizer and lime must be ploughed into the soil to restore its fertility, if necessary. Ensure that stockpiled soil is kept clean and where possible ensure that the topsoil is treated with organic material and fertilized. Do not use stockpiled soil for any other purpose but for rehabilitation. Do not use topsoil to construct roads. Ensure the rehabilitation plan makes provision for fertiliser. Make sure rehabilitated topsoil is analyzed in a laboratory. The type of fertilizer would depend on a soil analyses and fertilizer recommendation.</p>	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
The soil must be fertile enough to sustain vegetation.	

Environmental Component	Land Capability
Environmental Management/Mitigation Measures/Action Plans/Commitments	
The disturbance of land must be restricted (kept to a minimum) to the planned fenced-off, active prospecting site only. Remove topsoil where it is available. Take care that roads needed are restricted to one entry to the area for prospecting purposes. If new land is used for roads to enter the area it must be done in consultation with the surface owner. All rehabilitation will be done according to the final rehabilitation plans after approval by the Department of Mineral Resources (DMR). Topsoil will be placed in areas where it was removed and the areas will be re-vegetated accordingly. Ensure that the rehabilitation plan is implemented.	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
Rehabilitated to the state that it is suitable for the predetermined and agreed land capability.	

Environmental Component	Land Use
Environmental Management/Mitigation Measures/Action Plans/Commitments	
The disturbance of land must be restricted (kept to a minimum) to the planned active, fenced-off prospecting site only. Remove topsoil where it is available. Take care that roads are the only areas used to enter the area for prospecting purposes. If new land is used for roads to enter the area it must be done in consultation with surface owner. All rehabilitation will be done according to the final rehabilitation plans after approval by the Department of Mineral Resources (DMR). Topsoil will be placed in areas where it was removed and the areas will be re-vegetated accordingly. Ensure that the rehabilitation plan is implemented.	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
To rehabilitate the excavation area back to pre-mining capability.	

Environmental Component	Vegetation
Environmental Management/Mitigation Measures/Action Plans/Commitments	
No mitigation exists except to replace the vegetation by reseeded of grasses and natural growth. Prospecting should be done in a well-planned manner (according to a PWP) and in the process ensuring that activities are only restricted to surface areas really required.	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
During rehabilitation indigenous vegetation cover comprising of local plant species should be established in order to ensure a well-adapted sustainable plant cover that would be able to prevent erosion of the replaced topsoil on the disturbed prospecting site exposed surfaces, etc.).	

Environmental Component	Vegetation
Environmental Management/Mitigation Measures/Action Plans/Commitments	
No mitigation exists except to replace the vegetation by reseeded of grasses. Habitat change, loss of species, spread of alien and invasive species: No mitigation exists except to replace the vegetation by reseeded. Bulk sampling should be done in a well-planned manner (according to a PWP) and in the process ensuring that activities are only restricted to surface areas really required. Develop and implement an invasive and alien control programme to control the spread of weeds and other invasive species. Eradicate exotic weeds and invader species if it invades the terrain. All illegal invader plants and weeds shall be eradicated as required in terms of Regulation 15 & 16 of the Act on Conservation of Agricultural Resources, 1983 (Act no. 43 of 1983) which	

list the plants. An invasive and alien control programme must be drafted and implemented by the applicant. Ensure that all roads (utilized by prospecting vehicles on a regular basis) are daily sprayed with water to control dust. Site inspections to ensure the spraying are done.
EMP Performance Assessment & Monitoring Reporting
To be included in EMP/EIA.
Closure Objective
During rehabilitation indigenous vegetation cover comprising of local plant species should be established in order to ensure a well-adapted sustainable plant cover that would be able to prevent erosion of the replaced topsoil on the disturbed prospecting site exposed surfaces. No invasive and alien species must be present after closure. A post-closure control program must also be implemented. No excessive dust must be present during the normal growth season after closure

Environmental Component	Vegetation
Environmental Management/Mitigation Measures/Action Plans/Commitments	
Ensure that all roads on the prospecting site (utilized by mining vehicles) are daily sprayed with water to control dust. Site inspections to ensure the spraying are done.	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
No excessive dust must be present during the normal growth season after closure.	

Environmental Component	Wildlife (habitat)
Environmental Management/Mitigation Measures/Action Plans/Commitments	
Wildlife or wildlife habitat destruction /change / disturbance : To take care that no new or unnecessary destruction of habitats, other than the demarcated prospecting area/ site should take place. Restoration of habitat: Ensure the rehabilitation plan is implemented.	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
The animal life habitat must be restored after decommissioning. Success will be measured against the extent to which the animals return to the area.	

Environmental Component	Wildlife (Injury and death)
Environmental Management/Mitigation Measures/Action Plans/Commitments	
Injury and death to wildlife: Re-establish trees and grass cover as soon as possible during and after prospecting. Fence area off to ensure that no person can enter without permission. Ensure that the rehabilitation plan is compiled and executed. Keep incidence register on killings and disturbances.	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
The animal life habitat must be restored after decommissioning. Success will be measured against the extent to which the animals return to the area.	

Environmental Component	Wildlife
Environmental Management/Mitigation Measures/Action Plans/Commitments	
<p>Make game catching, traps, snares, poaching and any other unnecessary disturbance of animals a disciplinary offence. All staff must undergo basic environmental awareness lecture during induction training. Machine operators and drivers to undergo appropriate level of environmental impact training to ensure they understand their impact on the environment. Ensure all staff working on the opencast section undergo basic lecture during induction phase. Introduce the actions as listed above into disciplinary code as offence.</p>	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
The post-closure phase must be suitable for further restoration of the newly man-made animal habitat. The area must be stable and acceptable for the return of animal- and plant life.	

Environmental Component	Surface Water (quality)
Environmental Management/Mitigation Measures/Action Plans/Commitments	
<p>Change in surface water quality: Storm water control measures must be implemented to divert clean water away from the active prospecting test pit sites and keep contaminated water contained. Water control structures must be well designed and constructed to ensure a minimum down wash of topsoil. Vegetation disturbance must be as little as possible. The PWP must be strictly adhered to. Re-vegetation to be done as quickly as possible. Final re-vegetation to be done as per rehabilitation plan.</p>	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
The post closure water run-off may in no circumstance impact negatively on the water quality.	

Environmental Component	Surface Water (quantity)
Environmental Management/Mitigation Measures/Action Plans/Commitments	
<p>Change in surface water quantity: Once the area is rehabilitated the surface run-off will be restored and normal clean water run-off will end-up in the drainage system. Once the area is rehabilitated the normal surface run-off drainage will be restored according to rehabilitation plan. The disturbed surface area must be rehabilitated to ensure some normal drainage. Minimal run-off should end-up in trenches. Final rehabilitation will be done according to the final rehabilitation plans after approval by the Department of Mineral Resources.</p>	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
Ultimately rehabilitation of the disturbed mining site and the construction of run-off control structures in a planned and phased manner would ensure normal drainage and stability of rehabilitated site.	

Environmental Component	Ground Water (quality)
Environmental Management/Mitigation Measures/Action Plans/Commitments	
<p>Reduction of groundwater quality: Storm water control measures must be implemented to divert clean water away from the site and keep (silt) contaminated water contained.</p> <p>Vehicles to be inspected to ensure no oil and hydraulic fluid leaks occur. All oil spills on soil to be removed and bio-remediate immediately. No servicing of vehicles must occur except at the workshops. Training w.r.t pollution hazards and their impact on the environment must be given as part of induction training.</p> <p>Storage of fuel and oil should be done according to best practices, within a bunded area and in containers of which the integrity is sound.</p> <p>The mining processes will not introduce any harmful or toxic substances and the most likely sources of pollution to the groundwater system would be associated with the infrastructure and / or workshop area. The most likely contaminants is therefore nitrate and bacteria (from sewage / pit latrines), as well as hydrocarbons (from vehicle accidents, diesel storage and the workshop area).</p> <p>An incidence register for this purpose must be kept.</p> <p>Drip trays must be available and used where emergency repairs is done.</p> <p>All waste must be stored according to best practices and disposed at an authorized waste disposal facility.</p>	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
Post water quality need to indicate a positive trend/improvement.	

Environmental Component	Ground Water (quantity)
Environmental Management/Mitigation Measures/Action Plans/Commitments	
<p>Reduction of groundwater quantity, lowering of groundwater level: Water levels in the borehole that are used for prospecting activities should be recorded monthly.</p> <p>Water volumes should be recorded continuously to ensure compliance with the water use authorization for abstraction.</p>	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
Post water quality need to indicate a positive trend/improvement.	

Environmental Component	Air Quality
Environmental Management/Mitigation Measures/Action Plans/Commitments	
<p>Dust: The prospecting method (only small test pits made (2 m x 2 m) and drilling with drill rig (equipped with a dust muffler and it is a wet process) with will serve as mitigation measure because prospecting will limit dust to the active prospecting site (area where the drill rig , excavator and the trucks are operating).</p> <p>Daily spraying of roads with water. Inspection should be done on a daily basis.</p> <p>If new roads are constructed, in coordination with surface owner, dust pollution must be mitigated by means of spraying the roads with water.</p>	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
Dust count must be the same as before prospecting. Rehabilitation of the mining site would ensure that no dust is generated from exposed surfaces.	

July 11, 2022	CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870 (the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR
---------------	---

Environmental Component	Noise
Environmental Management/Mitigation Measures/Action Plans/Commitments	
Ensure the required silencers are placed on all engines and compressors. No mitigation to reverse hooters is allowed due to safety standards. Inspection of vehicles and machinery to ensure silencers are fitted. Ensure that a complaints register is created, managed and maintained. Vehicles and earthmoving equipment should be equipped with the necessary silencers and regularly maintained in a good working condition.	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
No noise attributed to mining will be generated from the site after closure anymore. During decommissioning and closure phase some earth moving equipment and trucks would be utilized for rehabilitation.	

Environmental Component	Archaeological and Cultural Sites
Environmental Management/Mitigation Measures/Action Plans/Commitments	
All grave yards need to be avoided. Preservation of any site will require that the area is properly demarcated with at least a 20m buffer zone placed around the graveyard in order to avoid potential damage during prospecting activities. It will be necessary to ensure that the all graveyard is accessible to the relatives of the deceased. However, the potential occurrence of unmarked graves or subsurface finds not recorded during this survey can never be excluded, so it is advised that SAHRA and a qualified archaeologist are informed immediately if archaeological objects are uncovered.	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
No site of archaeological importance should be disturbed or damaged until the necessary permit from SAHRA has been issued.	

Environmental Component	Sensitive Landscapes
Environmental Management/Mitigation Measures/Action Plans/Commitments	
None	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	

Environmental Component	Visual Aspects
Environmental Management/Mitigation Measures/Action Plans/Commitments	
Visual impact would be addressed by means of; * re-vegetation of disturbed areas with grasses; * removal of any temporary building, scrap, domestic waste, etc. that would otherwise contribute to a negative visual impact. Concurrent rehabilitation should be done simultaneously as mining activities progress.	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
No residual visual impacts will remain after closure. The terrain should blend in with the surrounding landscape.	

July 11, 2022	CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870 (the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR
---------------	---

Environmental Component	Socio-Economics
Environmental Management/Mitigation Measures/Action Plans/Commitments	
There will be a very small increase in Socio – economic activity at local level, because of the size of this prospecting activity.	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
The economic development must deliver a multiplier effect that will contribute to the local economy long after closure.	

Environmental Component	Interested and Affected Parties
Environmental Management/Mitigation Measures/Action Plans/Commitments	
Access control should always be a priority. Active prospecting sites should be fenced off and also any deep water holes. If any problem should arise, meetings will be held with the occupiers and affected parties to consult them on certain matters like permission to mine and pollution. No mining should be conducted under or near Eskom power line (10 m distance should be kept) (<i>Permission of Inspector of Mines should be obtained.</i>)	
EMP Performance Assessment & Monitoring Reporting	
To be included in EMP/EIA.	
Closure Objective	
Not to be an economic, social or environmental liability to the local community or the state now or in the future. The company will ensure that the interest of all interested and affected parties will be considered.	

July 11, 2022

CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870
 (the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR

J. ASSESSMENT OF EACH IDENTIFIED POTENTIALLY SIGNIFICANT IMPACT AND RISK

[In term of NEMA – EIA Regulations No. 326 of 7 April 2017 – Reg. 21, Appendix 1 – 3. (1)(j)(i)-(j)(ii)(iv)-(v)(vi)(vii)]

Table 12: Identified Potentially Significant Impacts & Risks

NAME OF ACTIVITY	POTENTIAL IMPACT	ASPECTS AFFECTED	PHASE	SIGNIFICANCE	MITIGATION TYPE	SIGNIFICANCE if mitigated
Excavations (Test pits (500), core drilling of holes (20)) for sampling mineral resource.	1.1 Removal and sampling of the alluvial gravel up to 4m. Disturbance of 0.2 hectares and core drilling of holes over a period of 5 years given time.	Geology & soil	Operational	High -	The bulk of the material will be backfilled into test pits, core drilled holes (except the sample and the drilled cores that need to be evaluated further by the geologist.	Low +
	1.2 Change in landform. Normal surface drainage will be disturbed at this specific point, although very limited.	Topography	Operational and closure	Low -	All pits/core drilled holes will be backfilled. A surface water cut-off berm should be put in place around the active prospecting site in order to prevent surface run-off water on the prospecting site. Rehabilitation of the new sloped landscape in such a way that it would blend in with the surrounding landscape.	Low +
	1.3 Stripping of all available topsoil and stockpiled.	Soil	Construction and Operational	Low -	Any area on the prospecting area where disturbance will take place the top soil must be removed and stockpiled for rehabilitation purposes in a demarcated site (surrounding the pit area to act as a surface run-off control measure and safety berm.)	Low +
	1.4 Soil erosion: Due to the fact that certain surface areas would become devoid of any vegetation cover and compacted this would lead to lesser infiltration of rain water and more run-off that could cause erosion on bare disturbed areas and side slopes	Soil	Construction	Low-	To take preventive steps against erosion. Implement and maintain cut-off berms around the prospecting site to prevent water entering that can cause erosion. Concurrent rehabilitation and re-vegetation of mined areas must happen as soon as the particular area is mined out. Rehabilitated areas must be inspected and managed in such a way that any signs of erosion can be mitigated immediately.	Low +
	1.5. Land capability and land use. Loss of land to support grazing.	Land capability & Land use	Operational and closure	Low-	As this is only a very small area of 0,21 hectares in total, the impact is not so big. As the excavations (test pits, core drill holes) will be backfilled and vegetated the rehabilitated area must be treated as sensitive when grazed as overgrazing can trigger erosion and infiltration of declares weeds.	
	1.6 Generation of dust by excavating (test pits)(2 m x 2m x 4 m) (500) and vehicle movement, and core drilling of holes (20) with drill rig (10 -30 m deep).	Air quality	Operational	Low -	The prospecting mining method will serve as mitigation measure because it will limit dust to the active prospecting site, where the excavator, trucks and drill rig will be operating. Daily spraying of the roads with water when required.	

K. SUMMARY OF SPECIALIST REPORTS.

In term of MEMA – EIA Regulations No. 326 of 7 April 2017 – Reg. 21, Appendix 1 – 3. (1)(k)

Table 13: Specialist Reports

LIST OF STUDIES UNDERTAKEN	RECOMMENDATIONS OF SPECIALIST REPORTS	SPECIALIST RECOMMENDATIONS THAT HAVE BEEN INCLUDED IN THE EIA REPORT (Mark with an X where applicable)	REFERENCE TO APPLICABLE SECTION OF REPORT WHERE SPECIALIST RECOMMENDATIONS HAVE BEEN INCLUDED.
None			

L. ENVIRONMENTAL IMPACT STATEMENT

In term of NEMA – EIA Regulations No. 326 of 7 April 2017 – Reg. 21, Appendix 1 – 3. (1)(l)

(i) Summary of the key findings of the environmental impact assessment;

The **small scale alluvial gravel/ kimberlite prospecting operation** is definitely going to have an impact on the environment. The main impact relates to topography, geology, soil, vegetation, and land use and land capability.

The mineral resource will be prospected for over a period of 5 years or possible more.

The existing land-use is agriculture (grazing) and small historically mined area.

This is a small operation (0.21 ha in total) and for the next 5 years only a small portion of the farm will be temporarily alienated.

The conservation of topsoil is of utmost importance and therefore in order to ensure a sustainable land use again on the 0.21ha, the top at least 30 cm topsoil need to be removed prior to prospecting of the underlying gravel (up to 4 m depth). This will be used again as growth medium during the rehabilitation phase of the excavations. Topsoil will be stored in berm walls on the border of the excavations in order to divert any surface run-off during a rainfall event.

Other environmental impacts relates to the day to day operation that could easily be managed, such as dust and noise.

(ii) Final Site Map

Attach as **Appendix 1 (b)**.

(iii) Summary of the positive and negative impacts and risks of the proposed activity and identified alternatives;

The site is selected in such a way that farming (grazing by cattle) will still be possible on the rest of the farm. The loss of land use and land capability will be temporary as the site will be rehabilitated in order to be still be continued to be used for agriculture (grazing).

Although this is a small alluvial diamond mining operation it would also add to the increased economic activity within the farming and exiting mining community around Petrusburg/Koffiefontein. Jobs for 4 permanent (including manager) will be created.

Negative impacts on the area are expected to be temporary and can be mitigated to a large extent if the recommendations of the EMP are adhered to e.g. rehabilitation.

No concerns have been raised as yet by any I & AP.

The specific occurrence of the alluvial gravel (DA) deposit and Kimberlite pipes dictates the selection of the prospecting sites.

July 11, 2022

CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870
(the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR

M. PROPOSED IMPACT MANAGEMENT OBJECTIVES AND THE IMPACT MANAGEMENT OUTCOMES FOR INCLUSION IN THE EMPR;

In term of NEMA – EIA Regulations No. 326 of 7 April 2017 – Reg. 21, Appendix 1 – 3. (1)(m)

The main closure objective of Crystal Blue Diamond Mining (Pty) Ltd. is to rehabilitate the all prospecting sites (test pits, core drill borehole sites) in such a way to ensure that the new man-made topographical landscape would blend in with the surrounding landscape, not pose a safety hazard to humans and animals, while at the same time allow for alternative land uses. Establish a self-sustaining and stable vegetation cover in order to mitigate the visual impact, to control erosion and to create some habitat for animals. The rehabilitated environment also needs to be aesthetically acceptable according to the principle of BPEO. The applicant will ensure that the Operation/Sites are:

- Neither a danger to public health and safety nor to animal health and safety;
- Not a source of any pollution;
- Stable (ecological and geophysical);
- Rehabilitated to the state that is suitable for the predetermined and agreed land use (Grazing);
- Compatible with the surrounding biophysical environment;
- A sustainable environment;
- Aesthetically acceptable;
- Not an economic, social or environmental liability to the local community or the state now or in the future.

N. ASPECTS FOR INCLUSION AS CONDITIONS OF AUTHORISATION.

In term of NEMA – EIA Regulations No. 326 of 7 April 2017 – Reg. 21, Appendix 1 – 3. (1)(n)

None

O. DESCRIPTION OF ANY ASSUMPTIONS, UNCERTAINTIES AND GAPS IN KNOWLEDGE.

In term of NEMA – EIA Regulations No. 326 of 7 April 2017 – Reg. 21, Appendix 1 – 3. (1)(o)

None

P. REASONED OPINION AS TO WHETHER THE PROPOSED ACTIVITY SHOULD OR SHOULD NOT BE AUTHORISED

In term of NEMA – EIA Regulations No. 326 of 7 April 2017 – Reg. 21, Appendix 1 – 3. (1)(p)

(i) Reasons why the activity should be authorized or not.

This activity will have only low and very low impacts and no significant impacts were identified. No concerns were raised by the interested parties. These prospecting activities will have no significant impacts on them or their surrounding environment.

(ii) Conditions that must be included in the authorisation

None

Q. PERIOD FOR WHICH THE ENVIRONMENTAL AUTHORISATION IS REQUIRED.

In term of NEMA – EIA Regulations No. 326 of 7 April 2017 – Reg. 21, Appendix 1 – 3. (1)(q)

5 Years.

July 11, 2022

CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – Nootgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870
(the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR

R. UNDERTAKING


In term of NEMA – EIA Regulations No. 326 of 7 April 2017 – Reg. 21, Appendix 1 – 3. (1)(r)

UNDERTAKING

I, HM Erasmus, the undersigned and duly authorised thereto by DERA Omgewingskonsultante (PTY) Ltd hereby confirm:

- ✓ the correctness of the information provided in this report;
- ✓ the inclusion of comments and inputs from stakeholders and I&AP's;
- ✓ the inclusion of inputs and recommendations from the specialist reports where relevant and where applicable and;
- ✓ all information provided to the interested and affected parties a true reflection of this document.

Signed at Klerksdorp on this day 19/7/2022.


.....
Signature of EAP

S. FINANCIAL PROVISION

In term of NEMA – EIA Regulations No. 326 of 7 April 2017 – Reg. 21, Appendix 1 – 3. (1)(s)

The total application area is 2'408.0332 hectares but only 0.21 hectares will be disturbed by drilling holes & associated test pits. 500 Test pits: 2m x 2m = 4m² x 500 = 2'000/10'000 = 0,2ha in total & 20 core drill holes of 0.01 ha for in total over period of 5 years. Thus it will be 0.2 ha + 0.01 ha = 0.21 ha in total. These figures were used for the calculation of the quantum based on the DMR quantum calculation tariffs, thus a total of R 94'950.40 needed for the rehabilitation guarantees. See quantum attached as **Appendix 4**.

(i) Explain how the aforesaid amount was derived.

This will be a small operation where only 0.21 hectares will be disturbed at any stage by test pits and core drill sites. 0.21 hectares was ad at after care and maintenance. The amount was determined through the quantum tables provided by DMR.

(ii) Confirm that this amount can be provided for from operating expenditure

Yes it is hereby confirmed that the amount will be provided from operating expenditure.

T. SPECIFIC INFORMATION REQUIRED BY THE COMPETENT AUTHORITY

In term of NEMA – EIA Regulations No. 326 of 7 April 2017 – Reg. 21, Appendix 1 – 3. (1)(t)

(i) Compliance with the provisions of sections 24(4)(a) and (b) read with section 24 (3) (a) and (7) of the National Environmental Management Act (Act 107 of 1998). the EIA report must include the:-

1. Impact on the socio-economic conditions of any directly affected person.

The whole application area is State Owned Land of which Mr. P Matosa is the occupier. No other person will be directly affected by this activity.

July 11, 2022	CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870 (the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR
---------------	---

2. Impact on any national estate referred to in section 3(2) of the National Heritage Resources Act

This activity will have no impact on archaeological structures.

U. OTHER MATTERS REQUIRED IN TERMS OF SECTIONS 24(4)(A) AND (B) OF THE ACT.

In term of NEMA – EIA Regulations No. 326 of 7 April 2017 – Reg. 21, Appendix 1 – 3. (1)(u)

NONE

PART B

ENVIRONMENTAL MANAGEMENT PROGRAMME REPORT

1. DRAFT ENVIRONMENTAL MANAGEMENT PROGRAMME.

A) DETAILS OF THE EAP

HM (Esna) Erasmus is an environmental practitioner with 24 years' experience in Agricultural and Mining Management and Science. Experience in the field of inspection and evaluation of Environmental Impact Assessment in North West. Since 1998 involvement in mining activities with Department of Minerals and Energy in the North West Province as representative for National Department of Agriculture Dir. LRM in the following: Evaluation of Environmental Management Reports Inspection and evaluation of all different mining entities in North West Province. A member of the Slimes Dam Core Committee of North West Province. Involved in the compiling of a strategy for rehabilitation of Gold slime Dams in NW. Give inputs and comments on the revision of EMPR for small scale diamond mining. Involve in setting a strategy to encounter the impact of small scale mining on the environment in North West. See Figure 2 below Curriculum Vitae of H.M. Erasmus.

B) DESCRIPTION OF THE ASPECTS OF THE ACTIVITY

Table 14: Description of Activities to be followed

Activities	Description of phases
The Mineral	Crystal Blue Diamond Mining (Pty) Ltd. intends to prospecting for Diamonds (Alluvial) (DA) and Diamonds in Kimberlite situated on The Farms: Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870 (the Remaining extent & Portion 1), Fauresmith district, and 2408.0332 hectares in total.
Phase 1	Field Mapping – This method include the identification of quartz veins, often bounding sinkholes, through aerial photo interpretation, satellite image interpretation, ground mapping of surface depressions and vegetation types as they are often indicative - 6 months for Phase 1.
Phase 2	Geochemical survey - Following the mapping various geochemical sampling programs such as whole rock, soil and or stream sediment sampling might be considered to outline potential mineralized areas. These samples are normally analyzed by doing 50g nominal weight (pulverized sample) fire assay for diamonds - 6 months for Phase 2.
Phase 3	Geophysical survey (Magnetic Survey) - Magnetic geophysical surveys will be conducted over selected target areas on a 40m x 20m grid using a magnetometer. Ground magnetic measurements are usually made with portable instruments at regular intervals along more or less straight and parallel lines which cover the survey area. Often the interval between measurement locations (stations) along the lines is less than the spacing between lines. The magnetometer is a sensitive instrument that is used to map spatial variations in the earth's magnetic field. In the proton magnetometer, a magnetic field, which is not parallel to the earth's field, is applied to a fluid rich in protons causing them to partly align with this artificial field. When the controlled field is removed, the protons process toward realignment with the earth's field at a frequency which depends on the intensity of the earth's field. By measuring this precession frequency, the total intensity of the field can be determined. The physical basis for several other magnetometers, such as the cesium or rubidium-vapor magnetometers, is similarly founded in a fundamental physical constant. The optically pumped magnetometers have increased sensitivity and shorter cycle times (as small as 0.04 s) making them particularly useful in airborne applications - 12 months for Phase 3.
Phase 4	Areas where surveys showed potential small test pits of 2m x 2 m x 4 m deep will be taken in order to get samples of the kimberlite to be analyzed in the laboratory. These test pits will be taken with an excavator and it is envisaged that 500 test pits will be taken on the area confirmed by the surveys. If these areas does show potential in kimberlite deeper drilling holes will be performed - 12 months for Phase 4.
Phase 5	Reverse Circulation Drilling Method - Using a variety of drilling rigs such as truck or trailer mounted, rods and hammers, the ore body can be evaluated by drilling intersecting holes at locations predetermined by the Geologist. Drilling is done in phases, over anomalous target areas where samples and test pits of Phase 4 showed potential, using reconnaissance lines or a grid of 250x250m depending on the level of confidence in the targets and the level of information required. The holes will be approximately 10 - 30m meters deep depending on local depth of the bedrock. It is envisaged that 20 boreholes will be drilled. The strata will be drilled using a RC drilling rig to recover drill chips or cuttings with various size hammers and rod strings, breaking the different formations. Compressed air is used to lift the broken material via an external cyclone

July 11, 2022	CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870 (the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR
---------------	--

<p>and samples are collected at each 1.0m interval. These will be placed in marked plastic bags or plastic tubes, ready for geological logging and geochemical sampling to retrieve the necessary information. The ore body model will be generated in either Surpac or MicroMine software – further prospecting requirements and sampling will be based on this model. 24 months for Phase 5 as a section 20 bulk sampling application might be also part of this phase depending on the outcome.</p>

C) COMPOSITE MAP

See Appendix 1 (C).

D) DESCRIPTION OF IMPACT MANAGEMENT OBJECTIVES INCLUDING MANAGEMENT STATEMENTS

(i) Determination of closure objectives

The main closure objective of the applicant is to rehabilitate all prospecting sites (test pits and core drilled holes) in such a way to ensure that the new man-made topographical landscape would blend in with the surrounding landscape, not pose a safety hazard to humans and animals, while at the same time allow for alternative land uses. Establish a self-sustaining and stable vegetation cover in order to mitigate the visual impact, to control erosion and to create some habitat for animals. The rehabilitated environment also needs to be aesthetically acceptable according to the principle of BPEO. Another main objective is to manage the surface water in such way that an acceptable water standard is achieved when a closure certificate is issued.

As this area was disturbed before there is not top soil available on all the areas but on the non-disturbed area all available top soil will be stripped and stockpiled.

Crystal Blue Diamond Mining (Pty) Ltd. will ensure that the Operation/Sites are:

- Neither a danger to public health and safety nor to animal health and safety;
- Not a source of any pollution;
- Stable (ecological and geophysical);
- Rehabilitated to the state that is suitable for the predetermined and agreed land use;
- Compatible with the surrounding biophysical environment;
- A sustainable environment;
- Aesthetically acceptable;
- Not an economic, social or environmental liability to the local community or the state now or in the future.

Crystal Blue Diamond Mining (Pty) Ltd. will furthermore:

- ensure that the physical and chemical stability of the rehabilitated site will be such that risk to the environment is not increased by naturally occurring forces to the extent that such increased risk cannot be contended with by the installed measures;
- subscribe to the optimal exploitation and utilization of South Africa's mineral resources (Alluvial Diamonds (DA) & Kimberlite);
- ensure that the mining site is closed efficiently and cost effectively.
- ensure that the operation is not abandoned but closed in accordance with the relevant requirements;
- ensure that the interest of all interested and affected parties will be considered;
- ensure that the all-relevant legislation regarding mine closure will be adhered to, and all relevant application procedures followed.

July 11, 2022

CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870
(the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR

(ii) Volumes and rate of water use required for the operation

* 2000 Litres a day will be used for dust suppression (drill rig & access road), potable water.

(iii) Has a water use licence been applied for?

* Water will be obtained from an existing borehole by the applicant. Water use licence will be submitted if required.

July 11, 2022

CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – Nootgedacht 418, Uiriky 1152, De Rust 396, Eureka 870
(the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR

(iv) Impacts to be mitigated in their respective phases

Table 15: Measures to rehabilitate the environment affected by the undertaking of any listed activity

ACTIVITIES	PHASE	SIZE AND SCALE of disturbance	MITIGATION MEASURES	COMPLIANCE WITH STANDARDS	TIME PERIOD FOR IMPLEMENTATION
1. Excavations (test pits, core drill holes)	Operational	500 Test pits (0,2ha) in total & 0,01 ha for 20 core drill holes in total over period of 5 years.	Concurrent rehabilitation by back-filling all excavations and compacted in order to allow to be covered with topsoil and vegetate.	The test pits and core drilled holes will be backfilled & compacted as part of the prospecting process in line with the PWP. All overburden material and eventually topsoil will be replaced in reverse-order.	As part of concurrent rehabilitation.
2. Prospecting test pit or core drilling site	Operational		Keep this area as small as possible within the demarcated area. Prevent spillages of fuels by machines	Immediate cleaning of spillages	Concurrent with prospecting

July 11, 2022

CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870
 (the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR

E) IMPACT MANAGEMENT OUTCOMES

ACTIVITY	POTENTIAL IMPACT	ASPECTS AFFECTED	PHASE	MITIGATION TYPE	STANDARD TO BE ACHIEVED
Excavations (Test pits (500), core drilling of holes (20)) for sampling mineral resource.	1.1 Removal and sampling of the alluvial gravel up to 4m. Disturbance of 0.2 hectares and core drilling of holes over a period of 5 years given time.	Geology & soil	Operational	The bulk of the material will be backfilled into test pits, core drilled holes (except the sample and the drilled cores that need to be evaluated further by the geologist.	Stable slope that can sustain erosion without excessive erosion.
	1.2 Change in landform. Normal surface drainage will be disturbed at this specific point, although very limited.	Topography	Operational and closure	All pits/core drilled holes will be backfilled. A surface water cut-off berm should be put in place around the active prospecting site in order to prevent surface run-off water on the prospecting site. Rehabilitation of the new sloped landscape in such a way that it would blend in with the surrounding landscape.	Flat stable slope.
	1.3 Stripping of all available topsoil and stockpiled	Soil	Operational	The top soil must be removed before any disturbance take place. The top soil must be removed and stockpile in a demarcated area for rehabilitation purposes.	Enough topsoil for rehabilitation to ensure sustainable vegetation.
	1.4 Soil erosion due to the fact that certain surface areas would become devoid of any vegetation cover and compacted. This would lead to lesser infiltration of rain water and more run-off that could cause erosion on bare disturbed areas and side slopes.	Soil	Operational	Any area on the prospecting area where disturbance will take place the top soil must be removed and stockpiled for rehabilitation purposes in a demarcated site (surrounding the pit area to act as a surface run-off control measure and safety berm) to prevent water entering that can cause excessive erosion.	No excessive erosion that cannot be stabilized.
	1.5. Loss of Land capability & land use.	Land capability & land use	Operational and closure	As this is only a very small area of 0.21 hectares in total, the impact is low. As the excavations (test pits, core drill holes) will be backfilled and vegetated the rehabilitated area must be treated as sensitive when grazed as overgrazing can trigger erosion and infiltration of declares weeds.	Sustainable rehabilitated area.
	1.6 Generation of dust by excavating (test pits) (2m x 2m x 4 m) (500) and vehicle movement, and core drilling of holes (20) with drill rig (10 -30 m deep).	Air quality	Operational	The prospecting method will serve as mitigation measure because it will limit dust to the active prospecting site, where the excavator, trucks and drill rig will be operating. Daily spraying of the roads with water when required.	No excessive dust that can be harmful to the environment and humans.

July 11, 2022

CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870
(the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR

F) IMPACT MANAGEMENT ACTIONS

ACTIVITY	POTENTIAL IMPACT	MITIGATION TYPE	TIME PERIOD FOR IMPLEMENTATION	COMPLIANCE WITH STANDARDS	
<p>Excavations (Test pits (50), core drilling of holes (20)) for sampling mineral resource.</p>	<p>1.1 Removal and sampling of the alluvial gravel up to 4m. Disturbance of 0.2 hectares and core drilling of holes over a period of 5 years given time.</p>	<p>The bulk of the material will be backfilled into test pits, core drilled holes (except the sample and the drilled cores that need to be evaluated further by the geologist).</p>			
	<p>1.2 Change in landform. Normal surface drainage will be disturbed at this specific point, although very limited.</p>	<p>All pits/core drilled holes will be backfilled. A surface water cut-off berm should be put in place around the active prospecting site in order to prevent surface run-off water on the prospecting site. Rehabilitation of the new sloped landscape in such a way that it would blend in with the surrounding landscape.</p>			
	<p>1.3 Stripping of all available topsoil and stockpiled</p>	<p>The top soil must be removed before any disturbance take place. The top soil must be removed and stockpile in a demarcated area for rehabilitation purposes.</p>			
	<p>1.4 Soil erosion due to the fact that certain surface areas would become devoid of any vegetation cover and compacted. This would lead to lesser infiltration of rain water and more run-off that could cause erosion on bare disturbed areas and side slopes.</p>	<p>Any area on the prospecting area where disturbance will take place the top soil must be removed and stockpiled for rehabilitation purposes in a demarcated site (surrounding the pit area to act as a surface run-off control measure and safety berm) to prevent water entering that can cause excessive erosion.</p>			
	<p>1.5. Loss of Land capability & land use.</p>	<p>As this is only a very small area of 0,21 hectares in total, the impact is low. As the excavations (test pits, core drill holes) will be backfilled and vegetated the rehabilitated area must be treated as sensitive when grazed as overgrazing can trigger erosion and infiltration of declares weeds.</p>			
	<p>1.6 Generation of dust by excavating (test pits)(2 m x 2m x 4 m) (500) and vehicle movement, and core drilling of holes(20) with drill rig (10 -30 m deep).</p>	<p>The prospecting method will serve as mitigation measure because it will limit dust to the active prospecting site, where the excavator, trucks and drill rig will be operating. Daily spraying of the roads with water when required.</p>			

G) FINANCIAL PROVISION

1. Determination of the amount of Financial Provision

A. Describe the closure objectives and the extent to which they have been aligned to the baseline environment described under the Regulation

The main closure objective of **Crystal Blue Diamond Mining (Pty) Ltd.**, the applicant, is to rehabilitate the all prospecting sites (test pits and core drilling sites) in such a way to ensure that the new man-made topographical landscape would blend in with the surrounding landscape, not pose a safety hazard to humans and animals, while at the same time allow for alternative land uses. Establish a self-sustaining and stable vegetation cover in order to mitigate the visual impact, to control erosion and to create some habitat for animals. The rehabilitated environment also needs to be aesthetically acceptable according to the principle of BPEO. Another main objective is to manage the surface water in such way that an acceptable water standard is achieved when a closure certificate is issued.

Crystal Blue Diamond Mining (Pty) Ltd. will ensure that the Operation/Sites are:

- Neither a danger to public health and safety nor to animal health and safety;
- Not a source of any pollution;
- Stable (ecological and geophysical);
- Rehabilitated to the state that is suitable for the predetermined and agreed land use;
- Compatible with the surrounding biophysical environment;
- A sustainable environment;
- Aesthetically acceptable;
- Not an economic, social or environmental liability to the local community or the state now or in the future.

Crystal Blue Diamond Mining (Pty) Ltd. will furthermore:

- ensure that the physical and chemical stability of the rehabilitated site will be such that risk to the environment is not increased by naturally occurring forces to the extent that such increased risk cannot be contended with by the installed measures;
- subscribe to the optimal exploitation and utilization of South Africa's mineral resources (ALLUVIAL DIAMONDS (DA), KIMBERLIT);
- ensure that the mining site is closed efficiently and cost effectively.
- ensure that the operation is not abandoned but closed in accordance with the relevant requirements;
- ensure that the interest of all interested and affected parties will be considered;
- ensure that the all-relevant legislation regarding mine closure will be adhered to, and all relevant application procedures followed.

B. Confirm specifically that the environmental objectives in relation to closure have been consulted with landowner and interested and affected parties

Yes, the disturbance that will take place and the rehabilitation thereof were discussed on the site visit with the occupier.

C. Provide a rehabilitation plan that describes and shows the scale and aerial extent of the main mining activities, including the anticipated mining area at the time of closures.

a. Rehabilitation:

The clearing of soil surface areas would be restricted to what is really necessary for the prospecting operation. During rehabilitation of these sites, or where vegetation is lacking or compacted, the areas would be ripped or ploughed and levelled in order to re-establish a growth medium and if necessary appropriately fertilised to ensure the regrowth of vegetation and the soil ameliorated based on a fertilizer recommendation (soil sample analysed).

Rehabilitation of access roads

- Whenever a mining permit is suspended, cancelled or abandoned or if it lapses and the holder does not wish to renew the permit or right, any access road or portions thereof, constructed by the holder and which will no Shorter be required by the occupier/tenant, shall be removed and/or rehabilitated to the satisfaction of the Regional Manager.
- Any gate or fence erected by the holder which is not required by the occupier/tenant, shall be removed and the situation restored to the pre-prospecting situation.
- Roads shall be ripped or ploughed, and if necessary, appropriately fertilised (based on a soil analysis) to ensure the regrowth of vegetation. Imported road construction materials which may hamper regrowth of vegetation must be removed and disposed of in an approved manner prior to rehabilitation.
- If a reasonable assessment indicates that the re-establishment of vegetation is unacceptably slow, the Regional Manager may require that the soil be analysed and any deleterious effects on the soil arising from the prospecting operation, be corrected and the area be seeded with a seed mix to the Regional Manager's specification.

Rehabilitation of the surface mining site

On completion of operations, all buildings, structures or objects on the camp/office site shall be dealt with in accordance with section 44 of the Mineral and Petroleum Resources Development Act, 2002 (Act 28 of 2002), which states:

- (1) *When a prospecting right, mining right, retention permit or mining permit lapses, is cancelled or is abandoned or when any prospecting or mining operation comes to an end, the holder of any such right or permit may not demolish or remove any building, structure, object -*
- (A & B) which may not be demolished in terms of any other law;*
- (C) which has been identified in writing by the Minister for purposes of this section; or*
- (c) which is to be retained in terms of an agreement between the holder and the owner or occupier of the land, which agreement has been approved by the Minister in writing.*
- (2) *The provision of subsection (1) does not apply to bona fide mining equipment which may be removed*

The topsoil previously stored adjacent the site, shall be spread evenly to its original depth over the whole prospecting site (test pits sites and core drill bore hole sites).

After all the foreign matter has been removed from the prospecting sites (500 test pit sites & 20 core drill hole sites) the excavations will be backfilled , compacted , levelled and the previously stored topsoil replaced.

The area shall then be fertilised if necessary (based on a soil analysis). The site shall be seeded with a vegetation seed mix (section C) adapted to reflect the local indigenous flora. Where the site has been rendered devoid of vegetation/grass or where soils have been compacted owing to traffic, the surface shall be scarified or ripped.

Photographs of the site, before and during the prospecting operation and after rehabilitation, shall be taken at selected fixed points and kept on record for the information of the Regional Manager.

Rehabilitation of the new topographical landscape in such a way that it would blend in with the surrounding landscape and allow normal (controlled) surface drainage to continue.

Implement water control systems in order to prevent erosion. Seed the area (see C. (below) for recommended seed mixture).

Visual impact would be addressed by means of;

- revegetation (grasses);
- removal of any building, scrap, domestic waste, etc. that would otherwise contribute to a negative visual impact.

Fertilising of Areas to be Rehabilitated

If a reasonable assessment indicates that the re-establishment of vegetation is unacceptably slow, the Regional Manager may require that the soil be analysed and any deleterious effects on the soil arising from the prospecting operation be corrected and the area be seeded with a seed mix to his or her specification.

Seeding of Grass Seed Mixture and planting of Woody Species

The eventual seed mixture takes into account the availability of seed, different soil situations and the prevailing climatic conditions of the area. The following mixture will be applicable to the borehole prospecting site:

- ✓ *Cenchrus ciliaris*
- ✓ *Cynodon dactylon*
- ✓ *Digitaria eriantha*
- ✓ *Heteropogon contortus*
- ✓ *Panicum maximum*

b. Demolition of infrastructure/buildings

On completion of operations, all buildings, structures or other on the prospecting terrain shall be dealt with in accordance with section 44 of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002). There will be no permanent buildings.

c. Invasive and alien control programme

Develop and implement an invasive and alien control programme to control the spread of weeds and other invasive species. Eradicate exotic weeds and invader species if it invades the terrain. All illegal invader plants and weeds shall be eradicated as required in terms of Regulation 15 & 16 of the Act on Conservation of Agricultural Resources, 1983 (Act no. 43 of 1983) which list the plants.

D. Explain why it can be confirmed that the rehabilitation plan is compatible with the closure objectives

The excavations will be backfilled with puddle and top soil will be placed back. This site can be rehabilitated.

E. Calculate and state the quantum of the financial provision required to manage and rehabilitate the environment in accordance with the applicable guideline

The total application area is 2'408.0332 hectares but only 0.21 hectares will be disturbed by drilling holes & associated test pits. 500 Test pits: 2m x 2m = 4m² x 500 = 2'000/10'000 = 0,2ha in total & 20 core drill holes of 0.01 ha for in total over period of 5 years. Thus it will be 0.2 ha + 0.01 ha = 0.21 ha in total. These figures were used for the calculation of the quantum based on the DMR quantum calculation tariffs, thus a total of **R 94'950.40** needed for the rehabilitation guarantees. See quantum attached as **Appendix 4**.

F. Confirm that the financial provision will be provided as determined

The financing for this project will be done from the account Crystal Blue Diamond Mining (Pty) Ltd., the applicant himself out of own funds. The guarantee will be provided in the form of Bank Guarantee after confirmation of the amount.

G. Mechanisms for monitoring compliance with and performance assessment against the environmental management programme and reporting thereon, including

- (i) Monitoring of Impact Management Actions
- (ii) Monitoring and reporting frequency
- (iii) Responsible persons
- (iv) Time period for implementing impact management actions
- (v) Mechanism for monitoring compliance

SOURCE ACTIVITY	IMPACTS REQUIRING MONITORING PROGRAMMES	FUNCTIONAL REQUIREMENTS FOR MONITORING	ROLES AND RESPONSIBILITIES (FOR THE EXECUTION OF THE MONITORING PROGRAMMES)	MONITORING AND REPORTING FREQUENCY and TIME PERIODS FOR IMPLEMENTING IMPACT MANAGEMENT ACTIONS
Prospecting site/Soil	Possible spillages of petrochemicals. Stripping of topsoil	Checking for spillages on daily basis. Checking correct stripping and stockpiling of topsoil	Manager and Applicant	Daily checking and reporting with Performance Assessment
Prospecting site/Topography	Concurrent backfilling of excavations (test pits, core drill holes)	Checking backfilling is done in reverse order and compacted.	Manager and applicant	Daily
Prospecting site/Air quality	Dust pollution from prospecting activities.	Regular wetting of roads and stockpile area where loading take place.	Manager and applicant	Daily
Prospecting site	Chemical toilet	Make sure that it is used and hygienic.	Manager and Applicant	Weekly.

H. INDICATE THE FREQUENCY OF THE SUBMISSION OF THE PERFORMANCE ASSESSMENT/ environmental audit report.
Annually

I. ENVIRONMENTAL AWARENESS PLAN

(i) Manner in which the applicant intends to inform his or her employees of any environmental risk which may result from their work.

Crystal Blue Diamond Mining (Pty) Ltd. will contract DERA Environmental Consultants to inform the employees after the EMP was approved. The following guidelines will be used:

- Communication
- Urge
- Leadership
- Teamwork
- Understanding
- Recognition
- Empowerment (CULTURE).

(ii) (2) Manner in which risks will be dealt with in order to avoid pollution or the degradation of the environment.

The risks will be dealt with by proper management actions as described in 1d.

J. SPECIFIC INFORMATION REQUIRED BY THE COMPETENT AUTHORITY

The quantum for rehabilitation liability will be reviewed with the performance assessment on annual basis.

2. UNDERTAKING

The EAP herewith confirms

- (i) The correctness of the information provided in the reports;
- (ii) The inclusion of comments and inputs from stakeholders and I&APs;
- (iii) The inclusion of inputs and recommendations from the specialist reports where relevant; and
- (iv) That the information provided by the EAP to interested and affected parties and any responses by the EAP to comments or inputs made by interested and affected parties are correctly reflected herein.



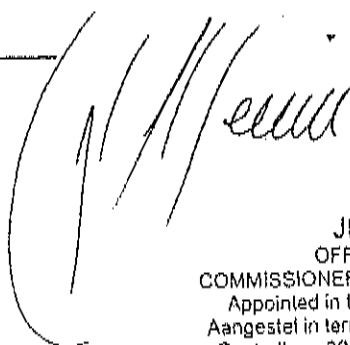
Signature of the environmental assessment practitioner:

DERA Omgewingskonsultante (Pty) Ltd.

Name of company:

19/7/2022

Date:



JERRY DEAN MENIN
OFFICE MANAGER / AUDITOR
COMMISSIONER OF OATHS / KOMMISSARIS VAN EDL
Appointed in terms of Section 5(1) of Act 16 of 1963
Aangestel in terme van Artikel 5(1) van Wet 16 van 1963
Centrallaan 32 Central Avenue, Flamwood, Klerksdorp
Appointed/Aangestel: 23 Oktober 2012

July 11, 2022

CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – THE FARM Nooitgedacht 418, Uitkyk 1152, De Rust 396,
Eureka 870 (the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR

APPENDIX 1

*** MAP/Plan 1a, 1b (1), 1b (2), 1C**

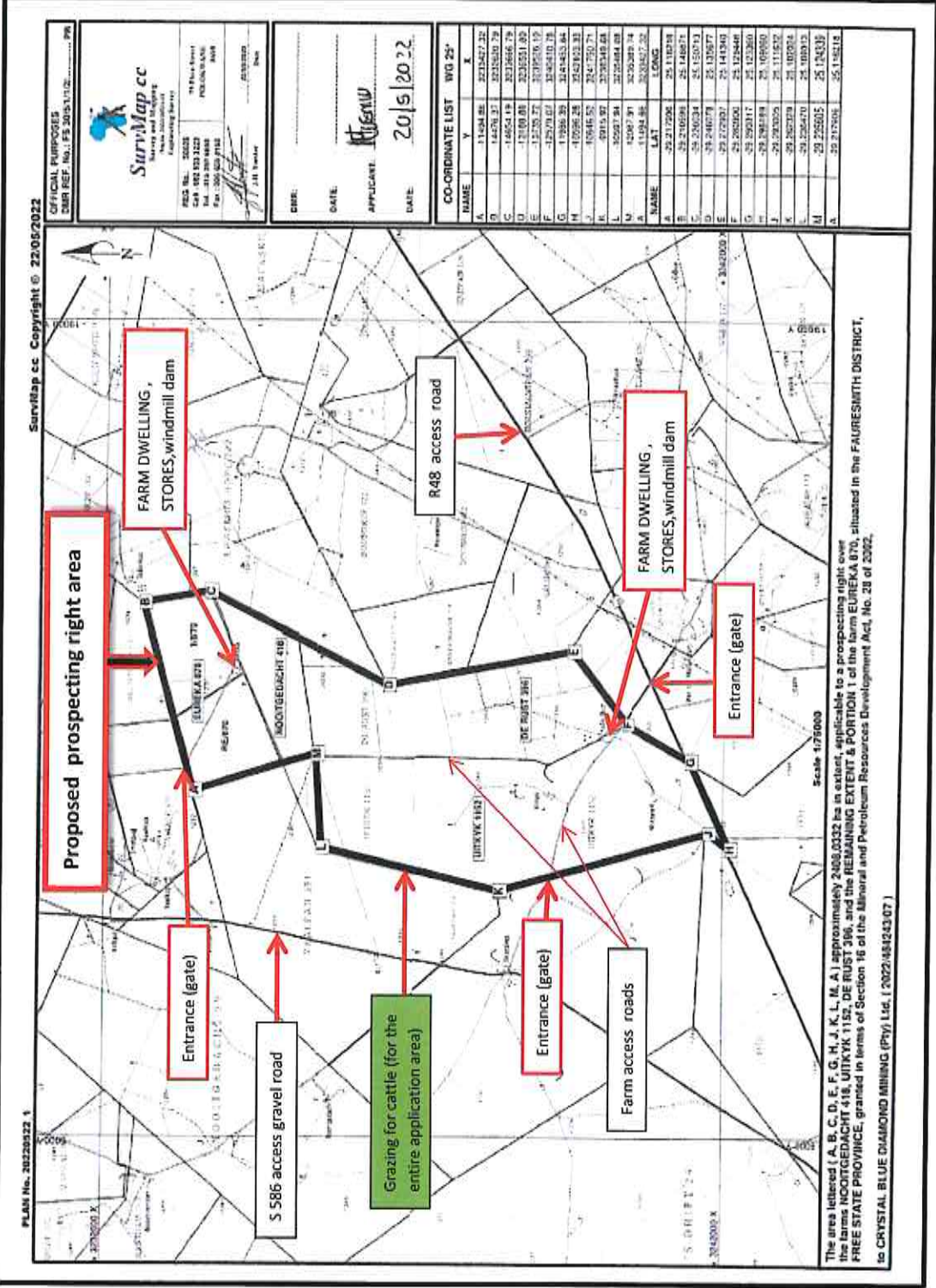
General location of Prospecting right application area (2408 ha)



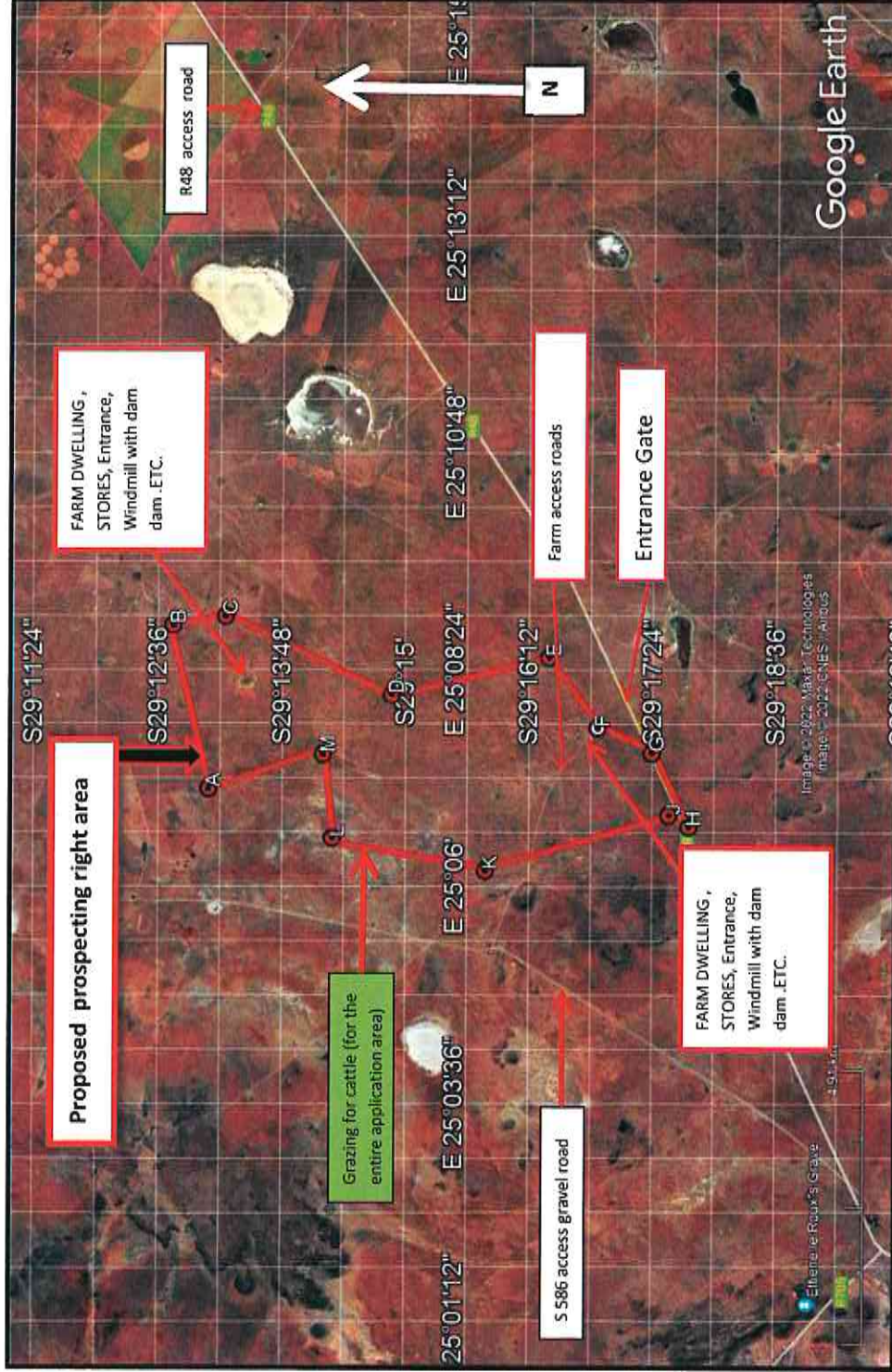
MAP 1A

SURFACE INFRASTRUCTURE MAP/PLAN

MAP/PLAN 1 b1



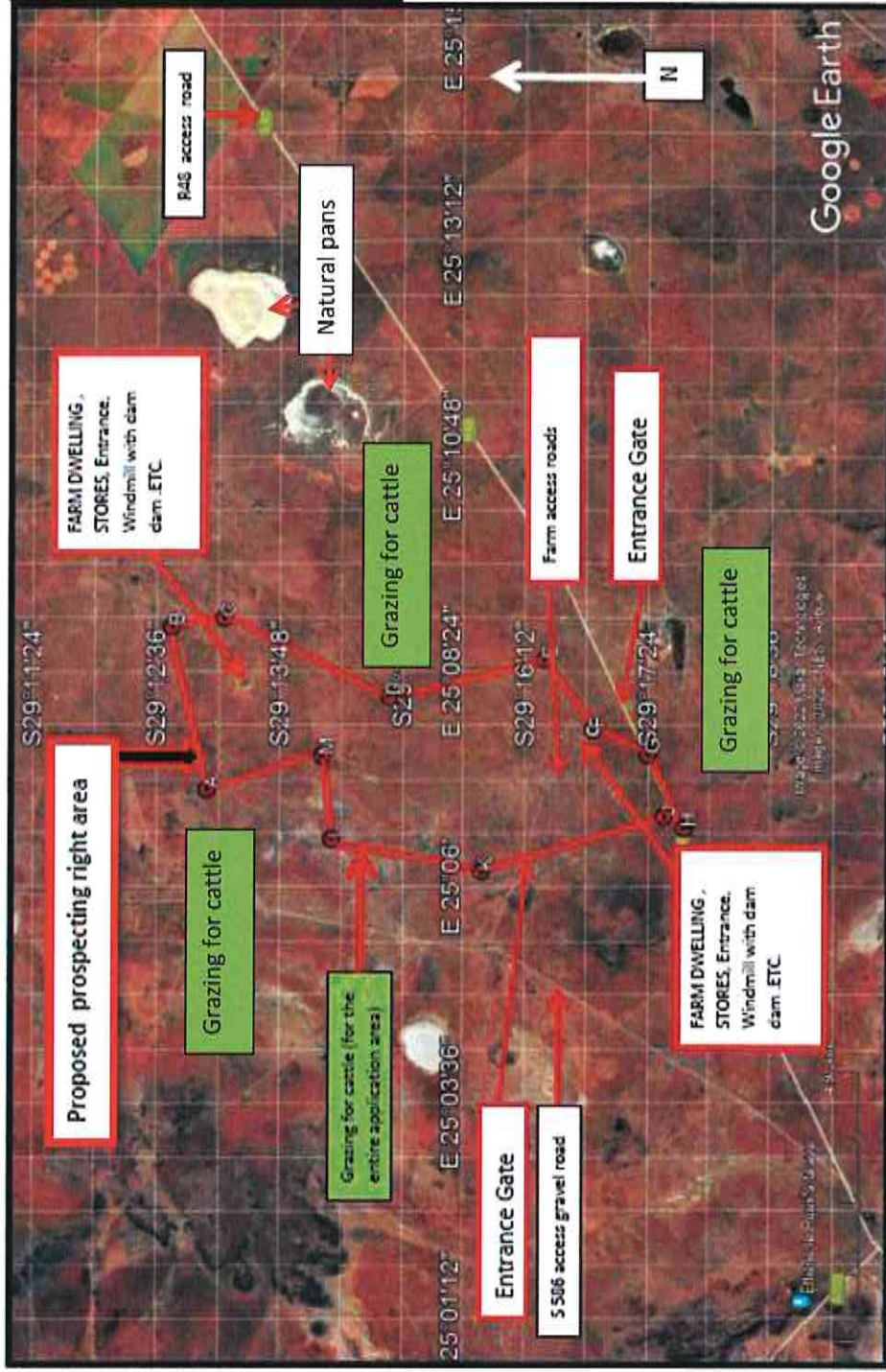
SURFACE INFRASTRUCTURE PLAN (Google satellite image)



NAME	LAT	LONG
A	-29.217906	25.118218
B	-29.210599	25.148871
C	-29.220034	25.150713
D	-29.246078	25.135677
E	-29.272907	25.141340
F	-29.280900	25.129448
G	-29.290317	25.123360
H	-29.296189	25.109060
J	-29.293005	25.111632
K	-29.262329	25.102024
L	-29.236470	25.109013
M	-29.235605	25.124339
A	-29.217906	25.118218

MAP/PLAN 1b (2)

LAND USE COMPOSITE MAP



July 11, 2022

CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – THE FARM Nooitgedacht 418, Uitkyk 1152, De Rust 396,
Eureka 870 (the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR

APPENDIX 2

*** PROOF/RESULTS OF CONSULTATION**

APPENDIX 2 – PROOF OF CONSULTATION

Interested and Affected Parties List the names of persons consulted in this column, and Mark with an "X" where those who must be consulted	Date sent and/or Comments	Issues raised	EAP's response to the applicant
AFFECTED PARTIES			
National Government of RSA (Custodians of the land) Department of Rural Development and Land Reform 266 c/o Pretorius and Thabo Sehume Street, Pretoria, 0001 Tel: 012 407 4544 Cell: 083 311 3482 Rebaone Moatshe E-mail: Rebaone.Moatshe@dalrrd.gov.za Thibi Monokoane E-mail: Thibi.Monokoane@dalrrd.gov.za Cindy Benyane E-mail: Cindy.Benyane@dalrrd.gov.za Lawful occupier/s of the land	X 28 June 2022 23 Aug 2022 23 Aug 2022	Consultation letter Follow up e-mail and consultation letter send to Rebaone Moatshe, Thibi Monokoane Cindy Benyane & Cynthia Modise – Awaiting Response Telephonically discussed with Rebaone and she has confirmed the new e-mail address - awaiting response from her.	
Landowners or lawful occupiers on adjacent	X		
Mr. G.P. Nieuwoudt (Neighbour) Petrusburg, 9932 Cell: 082 786 2894 E-mail: 2405susann@gmail.com	28 June 2022 22 Aug 2022	Consultation letter send No objection, see signed consultation letter	
Mr. S.H. Bester (Neighbour) P.O. Box 44, Koffiefontein, 9932 Cell: 060 5598 852 E-mail: stefanbester6@gmail.com	28 June 2022 15 Aug 2022	Consultation letter send No objection, see signed consultation letter	
Mr. A.J. Nieuwoudt (Neighbour) The farm Bakenkop, Petrusburg, 9932 Cell: 076 472 0144 E-mail: ajnieuwoudt1@gmail.com	28 June 2022 18 Aug 2022	Consultation letter send No objection, see signed consultation letter	
Mr. Pat Matosa (occupier)	July 2022	Mr. Matosa was an occupier during the site visit, but is not living on the farm anymore.	
Municipal councillor			
Municipality Leisemeng Local Municipality Municipal Manager: Mr. T.L. Mkhwane Tel: 053 330 0200 E-mail: mm@leisemeng.gov.za	X 28 June 2022	Consultation letter send	
Organs of state (Responsible for infrastructure that may be affected Roads Department, Eskom, Telkom, Communities			
Dept. Land Affairs	X		

APPENDIX 2 – PROOF OF CONSULTATION

Cindy Benyane cindy.benyane@dalrdd.gov.za or Thibi.Monokoane@dalrdd.gov.za	28 June 2022	Request for verification of land claims send	
Traditional Leaders			
N/A			
Dept. of Environmental Affairs and Dept. Agri Forestry	X		
Grace Mkhosana Building 113, St Andrew Street, Bloemfontein, 9300 Cell: 068 487 2840 Tel: 051 400 4904 Grace.Mkhosana@defitea.gov.za	19 July 2022	BAR/EMPI send with Fastway couriers for comments	
Dept. Water and Sanitation	X		
Dr. T. Ntuli 2 nd Floor, Bloem Plaza Building, Cnr East Burger & Charlotte Maxeke, Bloemfontein, 93003 Tel: 051 405 9109 E-mail: NtuliT@dws.gov.za	19 July 2022	BAR/EMPI send with Fastway couriers for comments.	
Other Competent Authorities	X		
SAHRIS			
INTERESTED PARTIES			

Notice published in Bloem News of 7 July 2022

Gerda

From: Gerda <dera.office@dera.co.za>
Sent: Tuesday, 23 August 2022 12:55
To: 'Rebaone.Moatshe@dalrrd.gov.za'; 'Thibi.Monokoane@dalrrd.gov.za'
Cc: Cynthia Modise <Cynthia.Modise@dalrrd.gov.za> (Cynthia.Modise@dalrrd.gov.za); 'Cindy.Benyane@dalrrd.gov.za'
Subject: FW: Verification of land claims - Various farms - Koffiefontein
Attachments: Consultation letter - Prospecting Right application - Free State Region.pdf; Verification of land claims - Various farms - Koffiefontein.pdf

Good day Rebaone

As discussed telephonically.

We have submitted a Prospecting Right application for Crystal Blue Diamond Mining (Pty) Ltd on various farms in the Koffiefontein/Fauresburg district.

The land is all state owned and we would appreciate if you can assist us to complete the attached consultation form and return to dera.office@dera.co.za

It will be highly appreciated if you can acknowledge this e-mail as received and feel free to contact us if you need any further information.

Regards.

Gerda Els
Cell: 083 225 1593

Esna Erasmus
082 895 3516

Dera Omgewingskonsultante (Pty) Ltd.
Reg no: 2014/051013/07
P.O. Box 6499, Flamwood, 2572
VAT no: 4590284073
Tel: 018 468 5355
Fax: 018 011 3760
Cell: 082 895 3516
e-mail: dera.office@dera.co.za

-----Original Message-----

From: Gerda [mailto:dera.office@dera.co.za]
Sent: Tuesday, 23 August 2022 09:50
To: 'Thibi.Monokoane@drdir.gov.za'; Cindy Benyane
Cc: 'Rebaone.Moatshe@drdir.gov.za'; 'Cynthia Modise'

Subject: FW: Verification of land claims - Various farms - Koffiefontein

Good day

We have submitted a Prospecting Right application for Crystal Blue Diamond Mining (Pty) Ltd on various farms in the Koffiefontein/Fauresburg district.

The land is all state owned and we would appreciate if you can assist with contact details of the relevant state department to consult with regarding the Proposed Prospecting Right application.

Your assistance will be highly appreciated.

Regards.

Gerda Els
Cell: 083 225 1593

Esna Erasmus
Dera Omgewingskonsultante (Pty) Ltd.
Reg no: 2014/051013/07
P.O. Box 6499, Flamwood, 2572
VAT no: 4590284073
Tel: 018 468 5355
Fax: 018 011 3760
Cell: 082 895 3516
e-mail: dera.office@dera.co.za

-----Original Message-----

From: Gerda [mailto:dera.office@dera.co.za]
Sent: Tuesday, 28 June 2022 12:45
To: Cindy Benyane
Cc: 'Thibi.Monokoane@drdlr.gov.za'
Subject: Verification of land claims - Various farms - Koffiefontein

Good day

See attached our request for verification of land claims on various farms in the district of Koffiefontein.

Your assistance will be appreciated.

Regards.

Gerda Els
Cell: 083 225 1593

Esna Erasmus
Dera Omgewingskonsultante (Pty) Ltd.
Reg no: 2014/051013/07
P.O. Box 6499, Flamwood, 2572
VAT no: 4590284073

Tel: 018 468 5355
Fax: 018 011 3760
Cell: 082 895 3516
e-mail: dera.office@dera.co.za

Your message is ready to be sent with the following file or link attachments:

Verification of land claims - Various farms - Koffiefontein

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.

P O Box 6499
Flamwood
2572
Tel. 018-468 5355
Fax: 018 011 3 760
Mobile: 082 895 3516
E-mail: dera.office@dera.co.za

.....
DERA

28 June 2022

Environmental Consultants

To whom it may concern

CONSULTATION WITH INTERESTED AND AFFECTED PARTIES WITH REGARD TO AN APPLICATION FOR A PROSPECTING RIGHT IN TERMS SECTION 16 OF THE MINERALS AND PETROLEUM RESOURCES DEVELOPMENT ACT, 2002 (ACT 28 OF 2002) AND NEMA, EIA 2014 OVER: THE FARMS NOOITGEDACHT 418, UITKYK 1152, DE RUST 396 AND THE REMAINING EXTENT AND PORTION 1 OF THE FARM EUREKA 870, MAGISTERIAL DISTRICT OF KOFFIEFONTEIN.

You are herewith informed that **Crystal Blue Diamond Mining (Pty) Ltd.** has submitted an application in terms of Section 16 of the Minerals and Petroleum Resources Development Act, 2002 (Act 28 of 2002) and NEMA, EIA 2014, to the Regional Manager: Mineral Regulation, Free State Region in respect of the prospecting of Diamonds Alluvial and Diamonds in Kimbelite in the magisterial district of Koffiefontein.

Crystal Blue Diamond Mining (Pty) Ltd. is in the process of compiling the Basic Assessment Report, which needs to be submitted at the Regional Office of DMR. The BAR/EMPr will be available for I&AP's for comments.

In terms of Section 10 of the Minerals and Petroleum Resources Development Act, 2002 (Act 28 of 2002) and in terms of Regulation 39(1) of the regulations published in the Government Notice No. R10328 (of 4 December 2014) under Chapter 6 of the NEMA, EIA 2014, the landowner or legal occupier of the land, as well as any other interested party must be notified and consulted with in terms of the proposed project.

Crystal Blue Diamond Mining (Pty) Ltd. deems it necessary to consult with inter alia yourself / your company/ your organization, and you are therefore kindly requested to comment very clearly and unambiguously with regards to the proposed prospecting project. You are requested to submit in writing, any interest/ objection and/or comments you may have and return it to the appointed consultants (**Reference no. FS30/5/1/1/2/10647PR**) within 30 days from the date of receipt of this letter. If no correspondence is received from you within the mentioned time frame, the applicant shall accept that you have no objection with the proposed prospecting activities.

Please call me if any further information is needed.

Your co-operation will be appreciated.

Yours faithfully

P.P. 

Esna Erasmus

DERA Environmental Consultants
.....

REGISTRATION FORM AND COMMENT FOR THE PUBLIC PARTICIPATION PROCESS
PROPOSED PROSPECTING RIGHT OVER THE FARMS NOOITGEDACHT 418, UITKYK 1152, DE RUST 396,
REMAINING EXTENT AND PORTION 1 OF THE FARM EUREKA 870, MAGISTERIAL DISTRICT OF
KOFFIEFONTEIN.

Esna Erasmus
P.O. Box 6499
KLERKSDORP
2572

Tel. 018-468 5355
Fax: 018 011 3760
Mobile: 082 895 3516
E-mail: dera_office@dera.co.za

PERSONAL INFORMATION:

Title/Titel:..... Initials/Voorletters:..... First Name/Eerste naam:.....

Surname/Van.....

E-mail/E-pos.....

Telephone/Telefoon..... Fax/Faks.....

Organisation (if applicable)/Organisasie(indien van toepassing):

Capacity (member, etc.)/Kapasiteit (lid ens):

Landowner/Grondeienaar/Neighbour/Buurman/ Interested and/or affected party on the farm/ op die plaas.....

Postal Address/ Posadres

Town/City/Dorp/Stad:..... Code/Kode:

COMMENT/OBJECTION:

1. What is the nature of your interest in the proposed project/Wat is u belang in die voorgename projek?

2. Do you have any ground for objection or do you support the proposed project/Het u enige gronde tot beswaar of ondersteun u die bogenoemde projek?

YES/NO JA/NEE

If "Yes", please list shortly/Indien 'JA', lys asseblief kortliks.

3. Do you foresee that this activity will have a negative impact on yourself or the environment/Voorsien u dat die voorgename projek 'n negatiewe inpak kan he op uself of die omgewing?

YES/NO JA/NEE

If "Yes", please describe shortly/Indien 'JA', verduidelik asseblief kortliks.

Filled in on/Ingevuul op..... day of /dag van..... (month)/(maand) 2022

Name and Surname/ Company

Naam en Van/Maatskappy

Signature/Handtekening

.....



This report is compiled exclusively from the very latest data directly supplied to WinDeed by the Deeds Office.

Any personal information obtained from this search will only be used as per the Terms and Conditions agreed to and in accordance with applicable data protection laws including the Protection of Personal Information Act, 2013 (POPI), and shall not be used for marketing purposes.

ASTERISKS INDICATE THE INFORMATION IS ENRICHED FROM THE WINDEED DATABASE

SEARCH CRITERIA

Search Date	2022/08/23 08:50	Farm Number	418
Reference	-	Registration Division	FAURESMITH RD
Report Print Date	2022/08/23 08:50	Portion Number	A
Farm Name	-	Remaining Extent	NO
Deeds Office	Bloemfontein	Search Source	Deeds Office

PROPERTY INFORMATION

Property Type	FARM	Diagram Deed Number	G890/1907
Farm Name	NOOITGEDACHT	Local Authority	LETSEMENG LOCAL MUNICIPALITY
Farm Number	418	Province	FREESTATE
Registration Division	FAURESMITH RD	Remaining Extent	NO
Portion Number	0	Extent	200,5084H
Previous Description	-	LPI Code	F0110000000041800000
Suburb / Town**	23KM NORTH OF KOFFIEFONTEIN	Co-ordinates (Lat/Long)**	-29.229005 / 25.135719

OWNER INFORMATION (1)

NATIONAL GOVERNMENT OF THE REPUBLIC OF SOUTH AFRICA			Owner 1 of 1
Company Type**	GOVERNMENT	Document	T16271/2011
Registration Number	-	Microfilm / Scanned Date	-
Name	NATIONAL GOVERNMENT OF THE REPUBLIC OF SOUTH AFRICA	Purchase Price (R)	643 748
Multiple Owners**	NO	Purchase Date	2011/08/26
Multiple Properties**	NO	Registration Date	2011/09/29
Share (%)	-		

DISCLAIMER

This report contains information provided to LNRM by content providers and LNRM cannot control the accuracy of the data nor the timely accessibility. LNRM will not be held liable for any claims based on reliance of the search information provided. This report is subject to the terms and conditions of LexisNexis Risk Management Agreement. LexisNexis Risk Management (Pty) Ltd is a registered credit bureau (NCRCB26).

ENDORSEMENTS (1)				
#	Document	Institution	Amount (R)	Microfilm / Scanned Date
1	F/SMITH RD,418	-	-	-

HISTORIC DOCUMENTS (5)				
#	Document	Institution	Amount (R)	Microfilm / Scanned Date
1	I-1862/2016C	-	-	-
2	T6132/1951	ROUX STEPHANUS PETRUS DANIEL LE	Unknown	-
3	T5822/1991	ROUX ELIZABETH LE	ESTATE	-
4	T9408/2001	ROUX STEPHANUS PETRUS LE	ESTATE	2001 033 2 :07:27
5	T29260/2001	EUREKA BATE TRUST	60 000	-

DISCLAIMER

This report contains information provided to LNRM by content providers and LNRM cannot control the accuracy of the data nor the timely accessibility. LNRM will not be held liable for any claims based on reliance of the search information provided. This report is subject to the terms and conditions of LexisNexis Risk Management Agreement. LexisNexis Risk Management (Pty) Ltd is a registered credit bureau (NCRCB26).



Deeds Office Property

FAURESMITH RD, EUREKA, 870, O, BLOEMFONTEIN

Lexis® WinDeed



This report is compiled exclusively from the very latest data directly supplied to WinDeed by the Deeds Office.

Any personal information obtained from this search will only be used as per the Terms and Conditions agreed to and in accordance with applicable data protection laws including the Protection of Personal Information Act, 2013 (POPI), and shall not be used for marketing purposes.

ASTERISKS INDICATE THE INFORMATION IS ENRICHED FROM THE WINDEED DATABASE

SEARCH CRITERIA

Search Date	2022/08/23 08:51	Farm Number	870
Reference	-	Registration Division	FAURESMITH RD
Report Print Date	2022/08/23 08:51	Portion Number	A
Farm Name	-	Remaining Extent	NO
Deeds Office	Bloemfontein	Search Source	Deeds Office

PROPERTY INFORMATION

Property Type	FARM	Diagram Deed Number	T24937/1908
Farm Name	EUREKA	Local Authority	LETSEMENG LOCAL MUNICIPALITY
Farm Number	870	Province	FREESTATE
Registration Division	FAURESMITH RD	Remaining Extent	YES
Portion Number	0 (REMAINING EXTENT)	Extent	194.0180H
Previous Description	-	LPI Code	F0110000000087000000
Suburb / Town**	23KM NORTH OF KOFFIEFONTEIN	Co-ordinates (Lat/Long)**	-29.221248 / 25.126143

OWNER INFORMATION(S)

NATIONAL GOVERNMENT OF THE REPUBLIC OF SOUTH AFRICA			Owner 1 of 1
Company Type**	GOVERNMENT	Document	T16275/2011
Registration Number	-	Microfilm / Scanned Date	-
Name	NATIONAL GOVERNMENT OF THE REPUBLIC OF SOUTH AFRICA	Purchase Price (R)	622 910
Multiple Owners**	NO	Purchase Date	2011/08/26
Multiple Properties**	NO	Registration Date	2011/09/29
Share (%)	-		

DISCLAIMER

This report contains information provided to LNRM by content providers and LNRM cannot control the accuracy of the data nor the timely accessibility. LNRM will not be held liable for any claims based on reliance of the search information provided. This report is subject to the terms and conditions of LexisNexis Risk Management Agreement. LexisNexis Risk Management (Pty) Ltd is a registered credit bureau (NCRCB26).



0861 946 333
windeed.support@lexisnexis.co.za
search.windeed.co.za | www.windeed.co.za

ENDORSEMENTS (4)				
#	Document	Institution	Amount (R)	Microfilm / Scanned Date
1	K430/19885	-	-	-
2	K828/19945	-	-	-
3	VA1316/2011	ZURICH HERMAN	-	-
4	F/SMITH RD.870	-	-	-

HISTORIC DOCUMENTS (5)				
#	Document	Institution	Amount (R)	Microfilm / Scanned Date
1	B11720/1994	-	-	-
2	I-1862/2016C	-	-	-
3	T5976/1971	ROUX STEPHANUS PETRUS DANIEL LE	Unknown	-
4	T5820/1991	ASHTON HELISE SCHOLTZ ESTATE	ESTATE	-
5	T13142/1994	ZURICH HERMAN	260 000	-

DISCLAIMER

This report contains information provided to LNRM by content providers and LNRM cannot control the accuracy of the data nor the timely accessibility. LNRM will not be held liable for any claims based on reliance of the search information provided. This report is subject to the terms and conditions of LexisNexis Risk Management Agreement. LexisNexis Risk Management (Pty) Ltd is a registered credit bureau (NCRCB26).

Deeds Office Property

FAURESMITH RD, DE RUST, 396, O, BLOEMFONTEIN

Lexis® WinDeed



This report is compiled exclusively from the very latest data directly supplied to WinDeed by the Deeds Office.

Any personal information obtained from this search will only be used as per the Terms and Conditions agreed to and in accordance with applicable data protection laws including the Protection of Personal Information Act, 2013 (POPI), and shall not be used for marketing purposes.

ASTERISKS INDICATE THE INFORMATION IS ENRICHED FROM THE WINDEED DATABASE

SEARCH CRITERIA

Search Date	2022/08/23 08:52	Farm Number	396
Reference	-	Registration Division	FAURESMITH RD
Report Print Date	2022/08/23 08:52	Portion Number	A
Farm Name	-	Remaining Extent	NO
Deeds Office	Bloemfontein	Search Source	Deeds Office

PROPERTY INFORMATION

Property Type	FARM	Diagram Deed Number	T2271/1914
Farm Name	DE RUST	Local Authority	LETSEMENG LOCAL MUNICIPALITY
Farm Number	396	Province	FREESTATE
Registration Division	FAURESMITH RD	Remaining Extent	NO
Portion Number	0	Extent	697.7238H
Previous Description	-	LPI Code	F01100000000039600000
Suburb / Town**	20KM NORTH OF KOFFIEFONTEIN	Co-ordinates (Lat/Long)**	-29.260474 / 25.131754

OWNER INFORMATION(S)

NATIONAL GOVERNMENT OF THE REPUBLIC OF SOUTH AFRICA			Owner 1 of 1
Company Type**	GOVERNMENT	Document	T16272/2011
Registration Number	-	Microfilm / Scanned Date	-
Name	NATIONAL GOVERNMENT OF THE REPUBLIC OF SOUTH AFRICA	Purchase Price (R)	2 240 086
Multiple Owners**	NO	Purchase Date	2011/08/26
Multiple Properties**	NO	Registration Date	2011/09/29
Share (%)	-		

DISCLAIMER

This report contains information provided to LNRM by content providers and LNRM cannot control the accuracy of the data nor the timely accessibility. LNRM will not be held liable for any claims based on reliance of the search information provided. This report is subject to the terms and conditions of LexisNexis Risk Management Agreement. LexisNexis Risk Management (Pty) Ltd is a registered credit bureau (NCRCB26).



0861 946 333
windeed.support@lexisnexis.co.za
search.windeed.co.za | www.windeed.co.za

ENDORSEMENTS (1)				
#	Document	Institution	Amount (R)	Microfilm / Scanned Date
1	F/SMITH RD,396	-	-	-

HISTORIC DOCUMENTS (5)				
#	Document	Institution	Amount (R)	Microfilm / Scanned Date
1	B8446/1985	-	-	-
2	B10167/1998	-	-	-
3	I-1862/2016C	-	-	-
4	T5798/1977	NIEUWOUDT GERRIT	Unknown	-
5	T20103/1998	HZ BATE TRUST	226 760	-

DISCLAIMER

This report contains information provided to LNRM by content providers and LNRM cannot control the accuracy of the data nor the timely accessibility. LNRM will not be held liable for any claims based on reliance of the search information provided. This report is subject to the terms and conditions of LexisNexis Risk Management Agreement. LexisNexis Risk Management (Pty) Ltd is a registered credit bureau (NCRCB26).

Deeds Office Property

FAURESMITH RD, UITKYK, 1152, O, BLOEMFONTEIN

Lexis® WinDeed



This report is compiled exclusively from the very latest data directly supplied to WinDeed by the Deeds Office.

Any personal information obtained from this search will only be used as per the Terms and Conditions agreed to and in accordance with applicable data protection laws including the Protection of Personal Information Act, 2013 (POPI), and shall not be used for marketing purposes.

ASTERISKS INDICATE THE INFORMATION IS ENRICHED FROM THE WINDEED DATABASE

SEARCH CRITERIA

Search Date	2022/08/23 08:56	Farm Number	1152
Reference	-	Registration Division	FAURESMITH RD
Report Print Date	2022/08/23 08:56	Portion Number	A
Farm Name	-	Remaining Extent	NO
Deeds Office	Bloemfontein	Search Source	Deeds Office

PROPERTY INFORMATION

Property Type	FARM	Diagram Deed Number	T7804/1976
Farm Name	UITKYK	Local Authority	LETSEMENG LOCAL MUNICIPALITY
Farm Number	1152	Province	FREESTATE
Registration Division	FAURESMITH RD	Remaining Extent	NO
Portion Number	0	Extent	1121.7650H
Previous Description	-	LPI Code	F01100000000115200000
Suburb / Town**	18KM NORTH OF KOFFIEFONTEIN	Co-ordinates (Lat/Long)**	-29.271194 / 25.116235

OWNER INFORMATION (1)

NATIONAL GOVERNMENT OF THE REPUBLIC OF SOUTH AFRICA			Owner 1 of 1
Company Type**	GOVERNMENT	Document	T16274/2011
Registration Number	-	Microfilm / Scanned Date	-
Name	NATIONAL GOVERNMENT OF THE REPUBLIC OF SOUTH AFRICA	Purchase Price (R)	3 601 524
Multiple Owners**	NO	Purchase Date	2011/08/26
Multiple Properties**	NO	Registration Date	2011/09/29
Share (%)	-		

DISCLAIMER

This report contains information provided to LNRM by content providers and LNRM cannot control the accuracy of the data nor the timely accessibility. LNRM will not be held liable for any claims based on reliance of the search information provided. This report is subject to the terms and conditions of LexisNexis Risk Management Agreement. LexisNexis Risk Management (Pty) Ltd is a registered credit bureau (NCRCB2a).



0861 946 333
windeed.support@lexisnexis.co.za
search.windeed.co.za | www.windeed.co.za

ENDORSEMENTS (5)				
#	Document	Institution	Amount (R)	Microfilm / Scanned Date
1	K430/19885	-	-	-
2	K828/19945	-	-	-
3	VA1316/2011	ZURICH HERMAN	-	-
4	F/SMITH RD 1152	-	-	-
5	FROM 297 & PTN 1.394	-	-	-

HISTORIC DOCUMENTS (5)				
#	Document	Institution	Amount (R)	Microfilm / Scanned Date
1	B11720/1994	-	-	-
2	I-1862/2016C	-	-	-
3	T7804/1976	ROUX STEPHANUS PETRUS DANIEL LE CCT	CCT	-
4	T5820/1991	ASHTON HELISE SCHOLTZ ESTATE	ESTATE	-
5	T13142/1994	ZURICH HERMAN	260 000	-

DISCLAIMER

This report contains information provided to LNRM by content providers and LNRM cannot control the accuracy of the data nor the timely accessibility. LNRM will not be held liable for any claims based on reliance of the search information provided. This report is subject to the terms and conditions of LexisNexis Risk Management Agreement. LexisNexis Risk Management (Pty) Ltd is a registered credit bureau (NCRCB26).

**REGISTRATION FORM AND COMMENT FOR THE PUBLIC PARTICIPATION PROCESS
PROPOSED PROSPECTING RIGHT OVER THE FARMS NOOITGEDACHT 418, UITKYK 1152, DE RUST 396,
REMAINING EXTENT AND PORTION 1 OF THE FARM EUREKA 870, MAGISTERIAL DISTRICT OF
KOFFIEFONTEIN.**

Esna Erasmus
P.O. Box 6499
KLERKSDORP
2572

Tel. 018-468 5355
Fax: 018 011 3760
Mobile: 082 895 3516
E-mail: dera.office@dera.co.za

PERSONAL INFORMATION:

Title/Titel: MR Initials/Voorletters: GP First Name/Eerste naam: GIDEON
Surname/Van: NIELWOUT
E-mail/E-pos: ZLOS.SUSANN@GMAIL.COM
Telephone/Telefoon: 082 786 2896 Fax/Faks: —
Organisation (if applicable)/Organisasie (indien van toepassing):
Capacity (member, etc.)/Kapasiteit (lid ens): EIGENAAR VAN BOERPLAAS
Landowner/Grondeienaar/Neighbour/Buurman/ Interested and/or affected party on the farm/ op die plaas:
Postal Address/ Posadres:
Town/City/Dorp/Stad: PETRUSBURG Code/Kode: 9932

COMMENT/OBJECTION:

1. What is the nature of your interest in the proposed project/Wat is u belang in die voorgename projek?
OP DIE BOERPLAAS EK BOER

2. Do you have any ground for objection or do you support the proposed project/Het u enige gronde tot beswaar of ondersteun u die bogenoemde projek?
EK HET GEEN BESWAAR

YES/NO JA/NEE

If "Yes", please list shortly/Indien 'JA', lys asseblief kortliks.
NO

3. Do you foresee that this activity will have a negative impact on yourself or the environment/Voorsien u dat die voorgename projek 'n negatiewe inpak kan he op uself of die omgewing?

YES/NO JA/NEE

If "Yes", please describe shortly/Indien 'JA', verduidelik asseblief kortliks.

Filled in on/ingevul op 22 day of /dag van AUGUSTUS (month) (maand) 2022

GP. NIELWOUT
Name and Surname/ Company

[Signature]
Signature/Handtekening

Naam en Van/Maatskappy

**REGISTRATION FORM AND COMMENT FOR THE PUBLIC PARTICIPATION PROCESS
 PROPOSED PROSPECTING RIGHT OVER THE FARMS NOOITGEDACHT 418, UITKYK 1152, DE RUST 396,
 REMAINING EXTENT AND PORTION 1 OF THE FARM EUREKA 870, MAGISTERIAL DISTRICT OF
 KOFFIEFONTEIN.**

Esna Erasmus
 P.O. Box 6499
 KLERKSDORP
 2572

Tel: 018-468 5355
 Fax: 018 011 3760
 Mobile: 082 895 3516
 E-mail: dera.office@dera.co.za

PERSONAL INFORMATION:

Title/Titel: MK Initials/Voorletters: SH First Name/Eerste naam: STEFAN
 Surname/Van: BESTER
 E-mail/E-pos: stefanbester8@gmail.com
 Telephone/Telefoon: 0605598852 Fax/Faks: _____
 Organisation (if applicable)/Organisasie(indien van toepassing): _____
 Capacity (member, etc.)/Kapasiteit (lid ens): EIGENAAR
 Landowner/Grondeienaar/Neighbour/Buurman/ interested and/or affected party on the farm/ op die plaas: EIGENAAR
 Postal Address/ Posadres: BLUS HA PETRUSBURG
 Town/City/Dorp/Stad: KOFFIEFONTEIN Code/Kode: 9932

COMMENT/OBJECTION:

1. What is the nature of your interest in the proposed project/Wat is u belang in die voorgename projek?

Ek is die eienaar van TWYFELHEER
 BUURPLAAS

2. Do you have any ground for objection or do you support the proposed project/Het u enige gronde tot beswaar of ondersteun u die bogenoemde projek?

Ek het geen beswaar.

YES/NO JA/NEE

If "Yes", please list shortly/Indien 'JA', lys asseblief kortliks.

NO

3. Do you foresee that this activity will have a negative impact on yourself or the environment/Voorsien u dat die voorgename projek 'n negatiewe inpak kan he op uself of die omgewing?

YES/NO JA/NEE

If "Yes", please describe shortly/Indien 'JA', verduidelik asseblief kortliks.

Filled in on/Ingevul op: 13 day of /dag van: Aug (month)/(maand) 2022

SH BESTER

[Signature]

Name and Surname/ Company

Signature/Handtekening

Naam en Van/Maatskappy

**REGISTRATION FORM AND COMMENT FOR THE PUBLIC PARTICIPATION PROCESS
PROPOSED PROSPECTING RIGHT OVER THE FARMS NOOITGEDACHT 418, UITKYK 1152, DE RUST 396,
REMAINING EXTENT AND PORTION 1 OF THE FARM EUREKA 870, MAGISTERIAL DISTRICT OF
KOFFIEFONTEIN.**

Esna Erasmus
P.O. Box 6499
KLERKSDORP
2572

Tel: 018-468 5365
Fax: 018 011 3760
Mobile: 082 895 3516
E-mail: dera.office@dera.co.za

PERSONAL INFORMATION:

Title/Titel: Mr Initials/Voorletters: AJ First Name/Eerste naam: Abraham Johannes
Surname/Van: Nieuwoudt
E-mail/E-pos: ajnieuwoudt1@gmail.com
Telephone/Telefoon: 0764720144 Fax/Faks: _____
Organisation (if applicable)/Organisasie (indien van toepassing): Trust
Capacity (member, etc.)/Kapasiteit (lid ens): 3 lede
Landowner/Grondeienaar/Neighbour/Buurman/ Interested and/or affected party on the farm/ op die plaas: Buurman
Postal Address/ Posadres: Bekenkop
Town/City/Dorp/Stad: Petrusberg Code/Kode: 9932

COMMENT/OBJECTION:

1. What is the nature of your interest in the proposed project/Wat is u belang in die voorgename projek?
leëner van Bekenkop
2. Do you have any ground for objection or do you support the proposed project/Het u enige gronde tot beswaar of ondersteun u die bogenoemde projek?
ondersteun

YES/NO JA/NEE

If "Yes", please list shortly/Indien 'JA', lys asseblief kortliks.

3. Do you foresee that this activity will have a negative impact on yourself or the environment/Voorsien u dat die voorgename projek 'n negatiewe inpak kan he op uself of die omgewing?

YES/NO JA/NEE

If "Yes", please describe shortly/Indien 'JA', verduidelik asseblief kortliks.

Filled in on/ingevul op 18 day of /dag van Aug (month)/(maand) 2022

Name and Surname/ Company

Naam en Van/Maatskappy

Signature/Handtekening



**mineral resources
& energy**

Department:
Minerals Resources and Energy
REPUBLIC OF SOUTH AFRICA

Private Bag X33, Welkom, 9480, Tel: (057) 391 1300, Fax: (057) 357 6003
314 Stateway, The Strip Building, Second Floor, Welkom, 9459
Enquiries: N. Phemula Ref: FS 30/5/1/1/2/10847 PR
email: norman.phemula@dmre.gov.za

REGISTERED MAIL

The Directors

Crystal Blue Diamond Mining (Pty) Ltd

P.O. Box 6499

Flamwood

2572

Fax: 018 011 3760

email: Dera.office@dera.co.za

Attention: E Erasmus

**ACCEPTANCE OF AN APPLICATION FOR A PROSPECTING RIGHT IN
TERMS OF SECTION 16(2) OF THE MINERAL AND PETROLEUM
RESOURCES DEVELOPMENT ACT, 2002 (ACT 28 OF 2002) (AS
AMENDED) [HEREIN AFTER REFERRED TO AS THE MPRDA]**


1. Please be informed that your application for a prospecting right to prospect for **Diamonds (Alluvial and in Kimberlite)**, in respect of the farms **De Rust 396, Uitkyk 1152, Nooitgedacht 418 and Remaining Extent and Portion 1 of Eureka 870**, situated in the Magisterial District of **Fauresmith** has been accepted.
2. Note that in terms of section 17(1) MPRDA, you are required to give effect to the objects referred to in terms of section 2(d) of the MPRDA by submitting

compliance with BEE on or before 12 July 2022 to this office any documentation proving including but not limited to:-

- 2.1 Certified copies of share certificates and shareholders register
 - 2.2 Certified copies of Shareholders agreements
 - 2.3 Certified copies of Articles and Memorandum of Association of the company;
 - 2.4 Trust deed documents and letters of authority for any trust holding shares
 - 2.5 Details relating to funding (all relevant agreements)
 - 2.6 Any other information that may be necessary to explain and serve as evidence that your Company meets the appropriate HDSA ownership and/or compliance requirements of the MPRDA and Mining Charter.
3. In light of the minimum requirements as stipulated in Regulation 16 (1) and 16 (2) of the EIA Regulations, your application for an Environmental Authorization was incomplete as it was not accompanied by this acceptance letter as per Sub Regulation 16 (1) (ix) and considering that it is now completed by this acceptance letter, you are hereby required to submit the documents as stipulated in Regulation 19 (1) to (8) of the EIA Regulations.
4. Your attention is drawn to the provision of section 7(1) (e) of the MPRDA, which provides that the Minister may grant an application for a prospecting right if the applicant is not in contravention of any relevant provision of this Act. Section 19 (2) (f) places an obligation on the holder of a prospecting right to pay the prescribed prospecting fees, as per regulation 76 of the MPRDA.
5. You are therefore reminded to ensure that payment of all prospecting fees for all the prospecting right that you hold, are up to date, failing which this may have a negative impact on the outcome of your current application

6. Take further note that the acceptance of this application does not imply that you may prospect on the land accepted for, however merely implies that your application is being processed further.
7. Further note that should this office discover at a later stage the existence of a right or permit issued in respect of the properties forming the subject of this application, further processing of this application shall discontinue.

Yours faithfully



K. KEWUTI

REGIONAL MANAGER

MINERAL REGULATION

FREE STATE REGION

DATE: 30/05/2022

Gerda

From: Gerda <dera.office@dera.co.za>
Sent: Tuesday, 28 June 2022 13:24
To: 'mm@letsemeng.gov.za'
Subject: Consultation letter for Prospecting application - Koffiefontein district
Attachments: Consultation letter for Prospecting application - Koffiefontein district.pdf

Good day Sir

Please find attached the consultation letter for a proposed Prospecting Right application for Crystal Diamond Mining (Pty) Ltd in the district of Koffiefontein.

It will be appreciated if you can complete the attached form and return to dera.office@dera.co.za

Kind regards.

Gerda Els
Cell: 083 225 1593

Esna Erasmus
082 895 3516

Dera Omgewingskonsultante (Pty) Ltd.
Reg no: 2014/051013/07
P.O. Box 6499, Flamwood, 2572
VAT no: 4590284073
Tel: 018 468 5355
Fax: 018 011 3760
Cell: 082 895 3516
e-mail: dera.office@dera.co.za

Your message is ready to be sent with the following file or link attachments:

Consultation letter for Prospecting application - Koffiefontein district

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.

P O Box 6499
Flamwood
2572
Tel: 018-468 5355
Fax: 018-011 3760
Cell: 082 895 3516
E-mail: dera.office@dera.co.za

DERA

28 June 2022

Environmental Consultants

Letsemeng Local Municipality
Attention: Municipal Manager: Mr. T.L. Mkhwane
E-mail: mm@letsemeng.gov.za

RE: CONSULTATION WITH INTERESTED & AFFECTED PARTIES

It is hereby confirmed that Crystal Blue Diamond Mining (Pty) Ltd. , situated in the magisterial district of Koffiefontein.

The Department of Mineral Resources has requested that the Letsemeng Local Municipality must be informed about the proposed prospecting right application.

Please find attached the consultation letter with the information regarding the proposed prospecting right application.

It would be highly appreciated if you could return the attached consultation letter to Dera Environmental Consultants at Fax: 018 011 3760 or dera.office@dera.co.za

Should you have any questions regarding the above, please call Mrs. Erasmus at 082 895 3516

DERA Environmental Consultants can be contacted for any further enquiries.

Yours sincerely

P.P. 

Esna Erasmus
DERA Environmental Consultants

P O Box 6499
Flamwood
2572
Tel. 018-468 5355
Fax: 018 011 3760
Mobile: 082 895 3516
E-mail: dera.office@dera.co.za

DERA

28 June 2022

Environmental Consultants

To whom it may concern

CONSULTATION WITH INTERESTED AND AFFECTED PARTIES WITH REGARD TO AN APPLICATION FOR A PROSPECTING RIGHT IN TERMS SECTION 16 OF THE MINERALS AND PETROLEUM RESOURCES DEVELOPMENT ACT, 2002 (ACT 28 OF 2002) AND NEMA, EIA 2014 OVER: THE FARMS NOOITGEDACHT 418, UITKYK 1152, DE RUST 396 AND THE REMAINING EXTENT AND PORTION 1 OF THE FARM EUREKA 870, MAGISTERIAL DISTRICT OF KOFFIEFONTEIN.

You are herewith informed that **Crystal Blue Diamond Mining (Pty) Ltd.** has submitted an application in terms of Section 16 of the Minerals and Petroleum Resources Development Act, 2002 (Act 28 of 2002) and NEMA, EIA 2014, to the Regional Manager: Mineral Regulation, Free State Region in respect of the prospecting of Diamonds Alluvial and Diamonds in Kimbelite in the magisterial district of Koffiefontein.

Crystal Blue Diamond Mining (Pty) Ltd. is in the process of compiling the Basic Assessment Report, which needs to be submitted at the Regional Office of DMR. The BAR/EMPr will be available for I&AP's for comments.

In terms of Section 10 of the Minerals and Petroleum Resources Development Act, 2002 (Act 28 of 2002) and in terms of Regulation 39(1) of the regulations published in the Government Notice No. R10328 (of 4 December 2014) under Chapter 6 of the NEMA, EIA 2014, the landowner or legal occupier of the land, as well as any other interested party must be notified and consulted with in terms of the proposed project.

Crystal Blue Diamond Mining (Pty) Ltd. deems it necessary to consult with inter alia yourself / your company/ your organization, and you are therefore kindly requested to comment very clearly and unambiguously with regards to the proposed prospecting project. You are requested to submit in writing, any interest/ objection and/or comments you may have and return it to the appointed consultants (**Reference no. FS30/5/1/1/2/10647PR**) within 30 days from the date of receipt of this letter. If no correspondence is received from you within the mentioned time frame, the applicant shall accept that you have no objection with the proposed prospecting activities.

Please call me if any further information is needed.

Your co-operation will be appreciated.

Yours faithfully

f.p. 

Esna Erasmus

DERA Environmental Consultants

:

**REGISTRATION FORM AND COMMENT FOR THE PUBLIC PARTICIPATION PROCESS
PROPOSED PROSPECTING RIGHT OVER THE FARMS NOOITGEDACHT 418, UITKYK 1152, DE RUST 396,
REMAINING EXTENT AND PORTION 1 OF THE FARM EUREKA 870, MAGISTERIAL DISTRICT OF
KOFFIEFONTEIN.**

:

Esna Erasmus
P.O. Box 6499
KLERKSDORP
2572

Tel: 018-468 5355
Fax: 018-011 3760
Mobile: 082 895 3516
E-mail: dera_office@dera.co.za

PERSONAL INFORMATION:

Title/Titel:..... Initials/Voorletters: First Name/Eerste naam:.....

Surname/Van.....

E-mail/E-pos.....

Telephone/Telefoon..... Fax/Faks.....

Organisation (if applicable)/Organisasie(indien van toepassing):

Capacity (member, etc.)/Kapasiteit (lid ens):

Landowner/Grondeienaar/Neighbour/Buurman/ Interested and/or affected party on the farm/ op die plaas.....

Postal Address/ Posadres

Town/City/Dorp/Stad: Code/Kode:

COMMENT/OBJECTION:

1. What is the nature of your interest in the proposed project/Wat is u belang in die voorgename projek?

.....
.....

2. Do you have any ground for objection or do you support the proposed project/Het u enige gronde tot beswaar of ondersteun u die bogenoemde projek?

.....
.....

YES/NO JA/NEE

If "Yes", please list shortly/Indien 'JA', lys asseblief kortliks.

.....
.....

3. Do you foresee that this activity will have a negative impact on yourself or the environment/Voorsien u dat die voorgename projek 'n negatiewe inpak kan he op uself of die omgewing?

YES/NO JA/NEE

If "Yes", please describe shortly/Indien 'JA', verduidelik asseblief kortliks.

.....
.....

Filled in on/Ingevuul op..... day of /dag van..... (month)/(maand) 2022

Name and Surname/ Company

Signature/Handtekening

Naam en Van/Maatskappy

.....

Gerda

From: Gerda <dera.office@dera.co.za>
Sent: Tuesday, 28 June 2022 12:45
To: Cindy Benyane
Cc: 'Thibi.Monokoane@drdlr.gov.za'
Subject: Verification of land claims - Various farms - Koffiefontein
Attachments: Verification of land claims - Various farms - Koffiefontein.pdf

Good day

See attached our request for verification of land claims on various farms in the district of Koffiefontein.

Your assistance will be appreciated.

Regards.

Gerda Els
Cell: 083 225 1593

Esna Erasmus
Dera Omgewingskonsultante (Pty) Ltd.
Reg no: 2014/051013/07
P.O. Box 6499, Flamwood, 2572
VAT no: 4590284073
Tel: 018 468 5355
Fax: 018 011 3760
Cell: 082 895 3516
e-mail: dera.office@dera.co.za

Your message is ready to be sent with the following file or link attachments:

Verification of land claims - Various farms - Koffiefontein

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.

P O Box 6499
Flamwood
2572
Tel. 018-468 5355
Fax. 018-077 3750
Cell. 082 895 351 6
E-mail: dera.office@dera.co.za

.....
DERA

28 June 2022

Environmental Consultants

Department of Land Affairs & Rural Development

Attention: Ms. C. Benyane

Re: Verification of Land Claim

We are Environmental Consultants situated in Klerksdorp and has applied for a Prospecting Right on various farms, in the magisterial district of Koffiefontein.

Could you please be so kind to verify if there are any land claims over the area as listed below:

- The farms Nooitgedacht 418
- Uitkyk 1152
- De Rust 396 &
- Remaining extent & Portion 1 of the farm Eureka 870

Letsemeng Local Municipality

It would be highly appreciated if you could help us in this matter as soon as possible.

Please feel free to contact the office of Dera Environmental Consultants or Mrs. Erasmus on cell: 082 895 3516 for any further information.

Yours truly,

p.p. 

Esna Erasmus

.....

PUBLIC NOTICE

APPLICATION FOR AN ENVIRONMENTAL AUTHORIZATION FOR THE PROPOSED ACTIVITIES

Notice is given for the following application:

1) Environmental authorization application for prospecting.

- **Proponent:** The applicant is Crystal Blue Diamond Mining (Pty) Ltd.
- **Ref. no:** FS30/5/1/1/2/10647PR
- **Property description:** The proposed prospecting area is over the farms Nooitgedacht 418, Uitkyk 1152, De Rust 396 and the Remaining extent and Portion 1 of the farm Eureka 870, situated in the district of Koffiefontein. The total extent of the prospecting area is 2408,0332 hectares. (21 SG digital codes: F01100000000087000000; F01100000000087000001; F01100000000041800000; F01100000000039600000; F01100000000115200000)
- **Location:** The property is situated 35 km South of Koffiefontein
- **Project description:** The purpose of the application is to obtain the required authorisation from the Department to successfully: undertake Field mapping, Geochemical survey, Geophysical surveys, test pitting and drilling.
- **Activity applied for:** the following activities as listed in terms of NEMA (Act No. 107 of 1998) as amended and EIA Regulations, 2014 was applied for under Listing Notice 1 – Activity 20 - GNR 327
- **Minerals applied for:** Diamonds Alluvial & Diamonds in Kimberlite
- **Date submitted:** 25 May 2022
- **Stakeholder involvement:** Stakeholders are invited to register as interested and affected parties and to participate in the application process by identifying issues of concern and suggestions for consideration in the Basic Assessment Report (BAR/EMPr) and may contact Dera Environmental Consultants for any further information. Please submit your written comments by mail, fax or e-mail in this 30 day of this notice to:
Mrs. Esna Erasmus of DERA Environmental Consultants
PO Box 6499 E-mail: dera.office@dera.co.za
Flamwood Tel. 018 468 5355
2572 Fax: 018 011 3760
 Cell: 082 895 3516;
- **Date of advertisement:** Thursday 7 July 2022

OM TE ADVERTEER SKAKEL 051 404 7600 | AMPTELIKE KENNISGEWINGS: bloemnuuslegals@media24.com | GEKLASSIFISEERD: bloemnuusadverts@media24.com

Geklassifiseerd

ALGEMENE KENNISGEWINGS

GEMEENSKAPSKENNISGEWINGS

Hiermee gee ek die eienaars van die volgende voertuie: Mercedes-Benz Reg:FNV684FS en Mazda Reg:FM7069 FS kennis dat dit binne sewe dae kom haal en betaal word vir reg maak en stoor kostes anders gaan dit verkoop word. Diesel and Turbo services
0625928419

PERSOONLIKE DIENSTE

FINANSIEEL

Are you unable to pay your debts and are creditors threatening you with legal steps?
Contact us via whatsapp 072 282 4792

Inkomstebelasting-opgawes-vir persoonlike bystand skakel
AR Tax Services 082 462 4190

Is the bank threatening to take back your house or your vehicle?
Contact us via whatsapp 072 282 4792

TE KOOP

ALLERLEI

EK KOOP GOEIE gebruikte klere, skoene, linne en kombuware kontant. Ek besoek u tuis. Skakel **072 185 8217**.

EK koop tweedehande meubels en werkende TV's, yskaste, vrieskaste, wasmasjiene, gereedskape, fietse, goud en voertuie. Ek kom na u toe en betaal kontant. Toppryse.
Marco 083 450 9400

ALGEMENE & HUIDDIENSTE

BOUWERK & KONSTRUKSIE

Algemene Nutsman: Staalwerk, Teëlwerk, Verf, Krane
083 707 7967

ELEKTRIE

Herstelwerk van alle yskaste, gas aanvulling, aankoop werkend of nie. Gratis wolkasie
Skakel 082 573 4737

Stoofkoning: Herstel stowe, wasmasjiene, skottelgoedwassers, tuimeldroërs ens.
083 303 0094

TE HUUR

SALE to huur op skoolterrein vir trosse, funksies en spesiale skoue. Perseel ook beskikbaar op langtermyn basis.
Skakel Juanita by 081 801 400 0000

HUISVERBETERINGS BUITE

Bou-herstelwerk, dakke seel, algemene instandhouding
Kontak Hannes 060 865 2352

EIENDOMME

TE KOOP

Serenitas aftree-oord: Ruim 1 splkarm huis te koop, Dan Pienaar Bloemfontein. Geen agente,
079 216 4142

MEENTHUISE TE HUUR

Verskoie eenhede te huur direk van die ontwikkelaar, uitstekende kwaliteit, luukse afwerking, geleë in LHP, BFN. Dadellik beskikbaar. Eenh ook beskikbaar vir Julie of Aug. Bachelors R 4 190 2 Splk vanaf R 7 350 3 Splk R 10 400
Skakel : 074 755 9754 / 082 252 0762 / 073 488 8801

BETREKKINGS

BETREKKINGS GESOEK

EK soek hulsmerk vir 3-5dae uitslaap. Ek kan baie mooi werk en kinders opmaak. Hardwerkend.
063 965 7439

EK soek Hulsmerk vir 2dae uitslaap. Ek is baie hardwerkend en betroubaar.
071 074 3108

REGSKENNISGEWINGS & TENDERS

Adverteer in CENTRAL24

Beste Resultate vir alles wat jy wil verkoop.

Skakel Nico Filetoor by 0514047826
Nico.Filetoor@media24.com

Geklassifiseerde Advertensies / Boedels, Insolvents en Kurator in Vrystaat Kroon, Express, Bloemnuus and Noordkaap. Blok-betrekings Advertensie. (for Bloemnuus only)
Vrystaat Express Bloem BULLETIN

ALGEMENE KENNISGEWINGS

PUBLIC NOTICE APPLICATION FOR AN ENVIRONMENTAL AUTHORIZATION FOR THE PROPOSED ACTIVITIES

Notice is given for the following application:
1) Environmental authorization application for prospecting.
• Proponent: The applicant is Crystal Blue Diamond Mining (Pty) Ltd.
• Ref. no: FS305/17/2710647PR
• Property description: The proposed prospecting area is over the forms Noaligadach 418, Uthbyk 1152, De Rust 306 and the Remaining extent and Portion 1 of the farm Eureka 870, situated in the district of Koffiefontein. The total extent of the prospecting area is 2408,0332 hectares. (21 56 digital codes: F01100000000007000000; F01100000000007000001; F011000000000418000000; F01100000000039600000; F011000000001152000000)
• Location: The property is situated 35 km South of Koffiefontein
• Project description: The purpose of the application is to obtain the required authorisation from the Department to successfully: undertake Field mapping, Geochemical survey, Geophysical surveys, test pitting and drilling.
• Activity applied for: The following activities as listed in terms of NEMA (Act No. 107 of 1998) as amended and EIA Regulations, 2014 was applied for under Listing Notice 1 – Activity 20 – GNR 327
• Minerals applied for: Diamonds Alluvial & Diamonds in Kimberlite
• Date submitted: 25 May 2022
• Stakeholder involvement: Stakeholders are invited to register as interested and affected parties and to participate in the application process by identifying issues of concern and suggestions for consideration in the Basic Assessment Report (BAR/EMR) and may contact Dera Environmental Consultants for any further information. Please submit your written comments by mail, fax or e-mail in this 30 day of this notice to:
Mrs. Esna Erasmus of DERA Environmental Consultants
PO Box 6499
E-mail: dera.office@dera.co.za
Flemwood 2572
Tel: 018 468 5355
Fax: 018 011 3760
Cell: 082 895 3516
Date of Advertisement: Thursday 07 July 2022

VERLORE DOKUMENTE



SK481/2013S

Notice is hereby given in terms of Regulation 68 of the Deeds Registries Act, 1937, of the intention to apply for the issue of a certified copy of Notarial Deed of Cession of Real Rights passed by: **ANDRE RIAAN ERASMUS**, ID-no. 610929 5091 08 9 in my capacity as member of STONECRAFT CRAFTERS VILLAGE LEGAL PERSON duly authorised thereto by virtue of a Resolution signed by all the members at Bloemfontein on the 7th August 2012 in favour of **ROBERT JAMES ROBERTSON WILKE**, ID-no. 500809 9015 08 5, married out of community of property in respect of certain: An Exclusive Use Area described as Exclusive Use Area Number T1, measuring 5,3380 (five comma three three eight zero) hectares, being as such part of the common property, comprising the land and scheme known as Stonecraft Crafters Village in respect of the land and building or buildings situate at Portion 4 (of 1) of the Farm Musket Number 2718, District Bloemfontein, Province Free State, as shown and more fully described on Sectional Plan-no. SK481-/2013S. Held by Notarial Deed of Cession of Real Rights SK481/2013S which has been lost or destroyed. All interested persons having objections to the issue of such copy are hereby required to lodge the same in writing with the Registrar of Deeds at Bloemfontein within two weeks from date of publication of this notice. Dated at Bloemfontein this 30th June 2022.
SPANGENBERG ZIETSMAN & BLOEM, J.H.D. Bloem, No. 6 Seventh Street, Arboretum, Bloemfontein, email: bloemj@fal.co.za, Tel. 051 409 5001.

T3099/2010 LOST OR DESTROYED DEED

Notice is hereby given in terms of regulation 68 of the Deeds Registries Act, 1937, of the intention to apply for the issue of a certified copy of Deed of Transfer-no. T3099/2010 passed by DIRK JACKSON TERBLANCHE, ID-no. 571018 5027 08 2 in favour of THE TRUSTEES OF PIETA TRUST, Registration-no. TMP3040 in respect of certain Portion 4 of the Farm Driepan 953, District Bloemfontein, Province Free State, in extent 978,5592 hectares which has been lost or destroyed. All interested persons having objection to the issue of such copy are hereby required to lodge the same in writing with the Registrar of Deeds at Bloemfontein within two weeks from the date of the publication of this notice. Dated at Petrusburg this 4th day of July 2022.
TERBLANCHE ATTORNEY, Applicant, 9 Pretorius Street, Petrusburg, 9932. E-mail: tikster1@ditseibz.com, Tel. 053 574 0066.

VERLORE DOKUMENTE

NOTICE IN TERMS OF REGULATION 68 OF THE DEEDS REGISTRIES ACT IN TERMS OF A LOST TITLE DEED.

Notice is hereby given in terms of Regulation 68 of the Deeds Registries Act, 1937 of the intention to apply for the issue of a certified copy of Deed of Transfer Number T10059/2015 passed by:

ROBERT WAYNE VAN NIEKERK in my capacity as Executor in the Estate Late **MARIE ELIZABETH PIENAAR** acting in terms of Letters Executorship Number T10059/2015 issued by the Master of the High Court of South Africa Free State Division, Bloemfontein at Bloemfontein on 27 September 2018

in respect of

1.ERF 203 JAGERSFONTEIN, DISTRICT FAURESMITH, PROVINCE FREE STATE

IN EXTENT 714 (SEVEN HUNDRED AND FOURTEEN) Square metres

HELD BY Deed of Transfer Number T10059/2015

2.PORITION 2 OF ERF 204 JAGERSFONTEIN, DISTRICT FAURESMITH, PROVINCE FREES TATE

IN EXTENT 357 (THREE HUNDRED AND FIFTY SEVEN) Square metres

HELD BY Deed of Transfer Number T10059/2015

3.PORITION 1 OF ERF 224 JAGERSFONTEIN, DISTRICT FAURESMITH, PROVINCE FREES TATE

IN EXTENT 357 (THREE HUNDRED AND FIFTY SEVEN) Square metres

HELD BY Deed of Transfer Number T10059/2015

which has been lost or destroyed.

All interested persons having objection to the issue of such copy are hereby required to lodge the same in writing with the Registrar of Deeds at Bloemfontein within two weeks from date of publication of this notice.

Dated at BLOEMFONTEIN on this day of JUNE 2022

CONVEYANCER Name: **RONEL EBERSÖHN** Applicant: **BEZUIDENHOUTS INC** Address: **104 KELLNER STREET WESTDOENE BLOEMFONTEIN 9301**

E-mail address: **ronel@bezuidenhouts** Contact number: **051 448 9755**

VERLORE DOKUMENTE



T14024/2006

Notice is hereby given in terms of Regulation 68 of the Deeds Registries Act, 1937, of the intention to apply for the issue of a certified copy of Deed of Transfer-no. T14024/2006 passed by: **ANDRE COETZEE**, ID-no. 730627 5016 08 1, unmarried, in favour of **PETRUS JOHANNES ERASMUS**, ID-no. 309302 5028 08 6 and **MARGARETHA CORNELIA ERASMUS**, ID-no. 340722 0043 08 1, married in community of property to each other, in respect of certain: 1. Erf 521 Petrusburg, District Faurasmith, Province Free State. In extent 698 (six hundred and fifty eight) square metres. Held by Deed of Transfer-no. T14024/2006; 2. Erf 216 Petrusburg, District Faurasmith, Province Free State. In extent 657 (six hundred and fifty seven) square metres. Held by Deed of Transfer T14024/2006, which has been lost or destroyed. All interested persons having objection to the issue of such copy are hereby required to lodge the same in writing with the Registrar of Deeds at Bloemfontein within two weeks from the date of publication of this notice. Dated at Bloemfontein this 30th June 2022.
SPANGENBERG ZIETSMAN & BLOEM, J.H.D. Bloem, No. 6 Seventh Street, Arboretum, Bloemfontein, email: bloemj@fal.co.za, Tel. 051 409 5001.

in respect of

ERF 3333 BLOEMFONTEIN, DISTRICT BLOEMFONTEIN, PROVINCE FREE STATE

which has been lost or destroyed.

All interested persons having objection to the issue of such copy are hereby required to lodge the same in writing with the Registrar of Deeds at Bloemfontein within two weeks from the date of publication of this notice.

Dated at BLOEMFONTEIN this 11th day of JULY 2022,
MCINTYRE VAN DER POST INC

12 Barnes Street, Westdene, Bloemfontein, 9301
Lizanne@mcintyre.co.za
Contact number: 051 50 50 200

LOST OF DESTROYED DEED

Notice is hereby given in terms of regulation 68 of the Deeds Registries Act, 1937, of the intention to apply for the issue of a certified copy of Deed of Transfer Number T14575/2002 passed by THE TRUSTEES FOR THE TIME BEING OF THE MATTMART TRUST REGISTRATION NUMBER T1602/2002. ERF 6512 BLOEMFONTEIN EXTENSION 46, DISTRICT BLOEMFONTEIN, PROVINCE FREE STATE

IN EXTENT 1460 (ONE THOUSAND FOUR HUNDRED AND SIXTY) SQUARE METRES HELD BY DEED OF TRANSFER T14575/2002

Which has been lost or destroyed.

All interested persons having objections to the issue of such copy are hereby required to lodge the same in writing with the Registrar of Deeds at Bloemfontein within two weeks from the date of the publication of this notice.

Dated at BLOEMFONTEIN on the 28 JUNE 2022.
Applicant **MICHELLE SCOTT MATSEPPES ATTORNEYS** 26/28 ALIWAAL STREET BLOEMFONTEIN, 9301
alltanja@matseppes.co.za
051 436 1114

VERLORE DOKUMENTE



NOTICE IN TERMS OF REGULATION 68 OF ACT 47 OF 1937

Notice is hereby given in terms of regulation 68 of the Deeds Registries Act, 1937, of the intention to apply for the issue of a certified copy of Deed of Transfer T14675/2016 passed by

BENJAMIN DU PREEZ BRINK IDENTITY NUMBER: 300524 5029 086

AND

ELISE CECILIA BRINK IDENTITY NUMBER: 390718 0035 084

MARRIED IN COMMUNITY OF PROPERTY TO EACH OTHER

In favour of: **ILSE DREYER** IDENTITY NUMBER: 781117 0031 085

MARRIED OUT OF COMMUNITY OF PROPERTY

in respect of **ERF 3333 BLOEMFONTEIN, DISTRICT BLOEMFONTEIN, PROVINCE FREE STATE**

which has been lost or destroyed.

All interested persons having objection to the issue of such copy are hereby required to lodge the same in writing with the Registrar of Deeds at Bloemfontein within two weeks from the date of the publication of this notice.

Dated at BLOEMFONTEIN this 11th day of JULY 2022,
MCINTYRE VAN DER POST INC

12 Barnes Street, Westdene, Bloemfontein, 9301
Lizanne@mcintyre.co.za
Contact number: 051 50 50 200

GEKLASSIFISEERD

VERLORE DOKUMENTE



LOST OR DESTROYED DEED

Notice is hereby given in terms of regulation 68 of the Deeds Registries Act, 1937, of the intention to apply for the issue of a certified copy of Deed of Transfer T7640/2015 registered by TD MOKGADI PROPERTY INVESTMENT TRUST, Registration Number T11257/2012 in favour of TOTORO PROPRIETARY LIMITED, Registration Number 2014/153815/07 in respect of certain ERF 26583 MANGAUEN EXTENSION 8 DISTRICT BLOEMFONTEIN, PROVINCE FREE STATE

IN EXTENT 1284 (ONE THOUSAND TWO HUNDRED AND EIGHTY FOUR) SQUARE METRES which has been lost or destroyed.

All interested persons having objection to the issue of such copy are hereby required to lodge the same in writing with the Registrar of Deeds at Bloemfontein within two weeks from date of the publication of this notice.

Dated at BLOEMFONTEIN this 30TH of JUNE 2022
TD MOKGADI PROPERTY INVESTMENT TRUST C/O ABRAHAM JACOBUS DU PLESSIS

DU PLESSIS ATTORNEYS ADDRESS: 88 PRESIDENT REITZ AVENUE, WESTDOENE, BLOEMFONTEIN, 9301
TEL: 051 448 4539
EMAIL: marinda@adplaw.co.za

BOEDELKENNISGEWINGS

BOEDELS: KREDITEUR EN DEBITEUR

R.M.G. Reeders NOTICE TO CREDITORS IN DECEASED ESTATES

All persons having claims against the under-mentioned estate must lodge it with the Executor concerned within 30 days (or as indicated) from date of publication hereof.

Late estate **RITA MARIA GLADYS REEDERS**, ID-no. 540809 0038 08 4, date of birth 1954/08/09, date of death 2021/09/22 of 5 Torenburg Street, Colesburg, 9795, Province of the Master's Office Northern Cape and Master's Office Kimberley. Estate-no. 005021/2021. **PSG TRUST (PTY) LTD**, Davene Astrid Mache Sedras, Nominee. Pretler Walk, Genl Hertzog Drive, Dan Pienaar, Bloemfontein. Tel. 087 820 7451.

AANDAG ALLE ADVERTEERDERS

Die gebruik van die letter "A", lees tekens soos "!" of "o" of die gebruik van syfers met die doel van die advertensie na die bopunt van die klassifikasie-lys te skuil, is streng verbode.

SMALLS NOTICE

SITE NOTICE

APPLICATION FOR AN ENVIRONMENTAL AUTHORIZATION FOR THE PROPOSED ACTIVITIES

Notice is given for the following application:


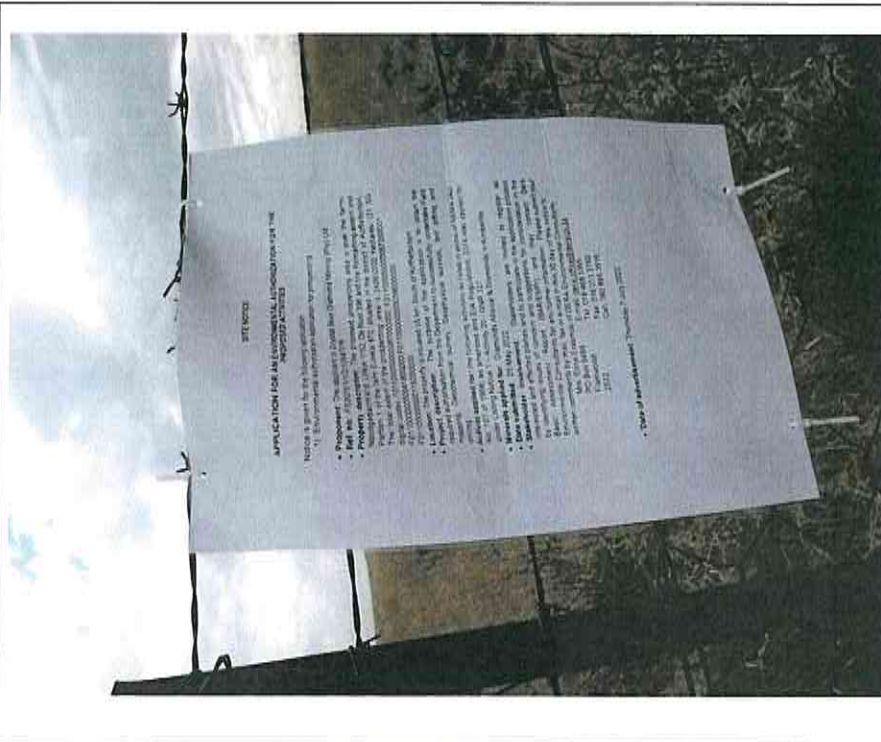
1) Environmental authorization application for prospecting.

- **Proponent:** The applicant is Crystal Blue Diamond Mining (Pty) Ltd.
- **Ref. no:** FS30/5/1/1/2/10647PR
- **Property description:** The proposed prospecting area is over the farms Nooitgedacht 418, Uitkyk 1152, De Rust 396 and the Remaining extent and Portion 1 of the farm Eureka 870, situated in the district of Koffiefontein. The total extent of the prospecting area is 2408,0332 hectares. (21 SG digital codes: F01100000000087000000; F01100000000087000001 ; F01100000000041800000;F01100000000039600000; F01100000000115200000
- **Location:** The property is situated 35 km South of Koffiefontein
- **Project description:** The purpose of the application is to obtain the required authorisation from the Department to successfully: undertake Field mapping, Geochemical survey, Geophysical surveys, test pitting and drilling.
- **Activity applied for:** the following activities as listed in terms of NEMA (Act No. 107 of 1998) as amended and EIA Regulations, 2014 was applied for under Listing Notice 1 – Activity 20 - GNR 327
- **Minerals applied for:** Diamonds Alluvial & Diamonds in Kimberlite
- **Date submitted:** 25 May 2022
- **Stakeholder involvement:** Stakeholders are invited to register as interested and affected parties and to participate in the application process by identifying issues of concern and suggestions for consideration in the Basic Assessment Report (BAR/EMPr) and may contact Dera Environmental Consultants for any further information. Please submit your written comments by mail, fax or e-mail in this 30 day of this notice to:
Mrs. Esna Erasmus of DERA Environmental Consultants
PO Box 6499 E-mail: dera.office@dera.co.za
Flamwood Tel. 018 468 5355
2572 Fax: 018 011 3760
 Cell: 082 895 3516;
- **Date of advertisement:** Thursday 7 July 2022

July 11, 2022

CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. - THE FARM Nootgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870 (the remaining extent & portion 1) -
FS 30/5/1/1/2/ 10647 PR

PLACEMENT OF ADVERT AT GATE:

	<p>Photo 1</p> 	<p>Photo 2</p> 
	<p>Location: S 29.296189 °</p>	
	<p>E 26.109060 °</p>	



P O Box 6499
Flamwood
2572
Tel: 018-468 5355
Fax: 018 011 3760
Cell: 082 895 3516
E-mail: dera_office@dera.co.za

DERA

19 July 2022

Environmental Consultants

Department of Environmental Affairs & Dept Agriculture Forestry & Fisheries
Building 113
St Andrew Street
Bloemfontein, 9300

Attention: Grace Mkhosana

Basic Assessment Report (BAR/EMPr)

Reference Number: FS30/5/1/1/2/10647PR

It is hereby confirmed that Crystal Blue Diamond Mining (Pty) Ltd has applied for a prospecting right over the farms Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870, situated in the magisterial district of Koffiefontein, Free State Province.

The application was accepted by the Department of Mineral Resources and they have requested that the Department of Environmental Affairs & Dept Agriculture, Forestry & Fisheries (Free State Regional Office) must be consulted about the proposed prospecting right. See attached the BAR /EMPr.

Should you have any questions regarding the above, please call Mrs. Erasmus at 082 895 3516.

DERA Environmental Consultants can be contacted for any further enquiries.

Yours sincerely

Esna Erasmus
DERA Environmental Consultants



Crystal Blue Diamond Mining (pty) Ltd - BAR/EMR
FS10647PR

To

Company Name:

Street Address: (no PO Boxes)

Department of Environmental Affairs &
- Department of Agriculture, Forestry & Fisheries
Building 113
St Andrew Street
- Bloemfontein
9301

Tel: 051 400 4872 Contact: Grace Mkhosana
066 487 2840

No Dangerous Goods Declaration

I hereby certify that this consignment does not contain any dangerous or prohibited goods, eg. explosives, flammables, corrosives, aerosols or poisonous substances.

Name: E. Kruger

Signature: *E. Kruger*

↑ Lift & Peel

Pickup
VA0013275970

↑ Lift & Peel

Delivery
VA0013275970

VA0013275970




P O Box6499
Flamwood
2572
Tel: 018-468 5355
Fax: 018-011 3760
Cell: 082 895 3516
E-mail: dera.office@dera.co.za

DERA

19 July 2022

Environmental Consultants

Department of Water and Sanitation
2nd Floor, Bloem Plaza Building
Cnr East Burger & Charlotte Maxeke
Bloemfontein
9300

Attention: Dr. T. Ntli

RE: Basic Assessment Report (BAR) & EMP

Reference Number: FS30/5/1/1/2/10647PR

It is hereby confirmed that Crystal Blue Diamond Mining (Pty) Ltd has applied for a prospecting right over the farms Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870, situated in the magisterial district of Koffiefontein, Free State Province.

The application was accepted by the Department of Mineral Resources and they have requested that the Department of Water and Sanitation (Free State Regional Office) must be consulted about the proposed prospecting right. See attached the BAR/EMP

Should you have any questions regarding the above, please call Mrs. Erasmus at 082 895 3516.

DERA Environmental Consultants can be contacted for any further enquiries.

Yours sincerely


Esna Erasmus

DERA Environmental Consultants

.....

Crystal Blue ~~Diamond~~ Mining (Pty) Ltd
BAR#EMR-FS 10642PK

To

Company Name:

Street Address: (no PO Boxes)

To: Department of Water & Sanitation

2nd Floor, Bloem Plaza Building

Cnr East Burger & Charlotte Maxeke

Bloemfontein

9300

Phone: 051 405 9000/9109 Attention: Dr. T. Ntuli

082 808 5584 / 082 878 5707

No Dangerous Goods Declaration

I hereby certify that this consignment does not contain any dangerous or prohibited goods, eg. explosives, flammables, corrosives, aerosols or poisonous substances.

Name: E. Kruger

Signature:

Kruger

▲ Lift & Peel

Pickup
VA0013275971

▲ Lift & Peel

Delivery
VA0013275971

VA0013275971


July 11, 2022

CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – THE FARM Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870 (the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR

APPENDIX 3

*** SCREENING REPORTS**

**SCREENING REPORT FOR AN ENVIRONMENTAL AUTHORIZATION AS
REQUIRED BY THE 2014 EIA REGULATIONS – PROPOSED SITE
ENVIRONMENTAL SENSITIVITY**

EIA Reference number:

Project name: NOOITGEDACHT 418, UITKYK 1152, DE RUST 396, EUREKA 870

Project title: Prospecting Right

Date screening report generated: 05/07/2022 14:09:39

Applicant: Crystal Blue Diamond Mining (Pty) Ltd.

Compiler: DERA

Compiler signature:



Application Category: Mining|Prospecting rights

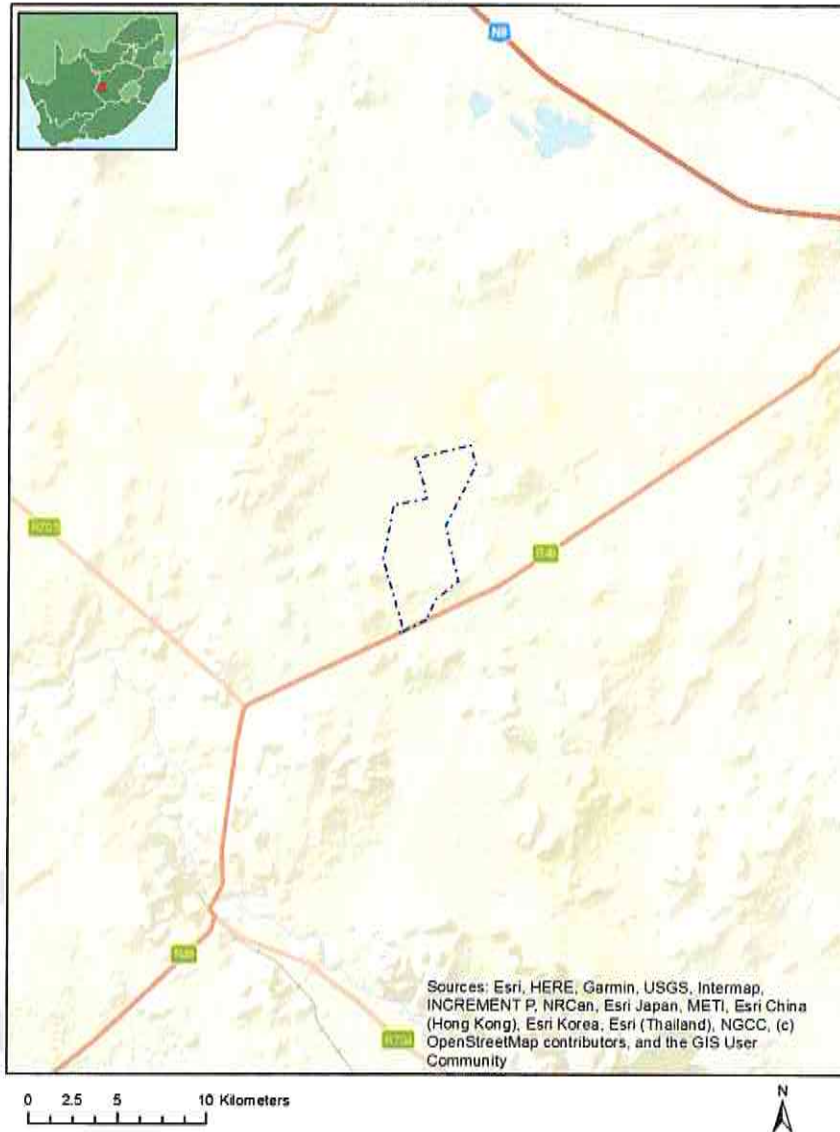
Table of Contents

Proposed Project Location	3
Orientation map 1: General location	3
Map of proposed site and relevant area(s)	4
Cadastral details of the proposed site	4
Wind and Solar developments with an approved Environmental Authorisation or applications under consideration within 30 km of the proposed area	5
Environmental Management Frameworks relevant to the application	5
Environmental screening results and assessment outcomes	5
Relevant development incentives, restrictions, exclusions or prohibitions	5
Map indicating proposed development footprint within applicable development incentive, restriction, exclusion or prohibition zones.....	6
Proposed Development Area Environmental Sensitivity.....	6
Specialist assessments identified.....	7
Results of the environmental sensitivity of the proposed area.....	9
MAP OF RELATIVE AGRICULTURE THEME SENSITIVITY	9
MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY.....	10
MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY	11
MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY	12
MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY	13
MAP OF RELATIVE DEFENCE THEME SENSITIVITY.....	14
MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY	15
MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY	16
MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY	17

Proposed Project Location

Orientation map 1: General location

General Orientation: NOOITGEDACHT 418, UITKYK 1152, DE RUST 396, EUREKA 870



Map of proposed site and relevant area(s)



Cadastral details of the proposed site

Property details:

No	Farm Name	Farm/ Erf No	Portion	Latitude	Longitude	Property Type
1	EBENHAEZER	821	0	29°17'51.8S	25°7'54.67E	Farm
2	UITKYK	1152	0	29°15'51.66S	25°6'54.81E	Farm
3	DE RUST	396	0	29°15'23.49S	25°7'53.11E	Farm
4	NOOITGEDACHT	418	0	29°13'45.54S	25°8'12.42E	Farm
5	EUREKA	870	0	29°13'12.45S	25°8'3.27E	Farm
6	VAALPAN	381	0	29°14'16.42S	25°5'48.08E	Farm
7	EUREKA	870	0	29°13'21.6S	25°7'37.61E	Farm Portion
8	DE RUST	396	0	29°15'23.49S	25°7'53.11E	Farm Portion
9	EBENHAEZER	821	0	29°17'51.8S	25°7'54.67E	Farm Portion
10	NOOITGEDACHT	418	0	29°13'45.54S	25°8'12.42E	Farm Portion
11	VAALPAN	381	0	29°14'16.13S	25°5'52.41E	Farm Portion
12	UITKYK	1152	0	29°15'51.66S	25°6'54.81E	Farm Portion
13	EUREKA	870	1	29°13'3.33S	25°8'28.87E	Farm Portion

Development footprint¹ vertices:

No development footprint(s) specified.

¹ "development footprint", means the area within the site on which the development will take place and includes all ancillary developments for example roads, power lines, boundary walls, paving etc. which require vegetation clearance or which will be disturbed and for which the application has been submitted.

Wind and Solar developments with an approved Environmental Authorisation or applications under consideration within 30 km of the proposed area

No	EIA Reference No	Classification	Status of application	Distance from proposed area (km)
1	14/12/16/3/3/2/660	Solar CSP	Approved	12.1
2	14/12/16/3/3/2/578	Solar PV	Approved	12.1
3	14/12/16/3/3/1/469	Solar PV	Approved	5.4

Environmental Management Frameworks relevant to the application

No intersections with EMF areas found.

Environmental screening results and assessment outcomes

The following sections contain a summary of any development incentives, restrictions, exclusions or prohibitions that apply to the proposed development site as well as the most environmental sensitive features on the site based on the site sensitivity screening results for the application classification that was selected. The application classification selected for this report is:

Mining | Prospecting rights.

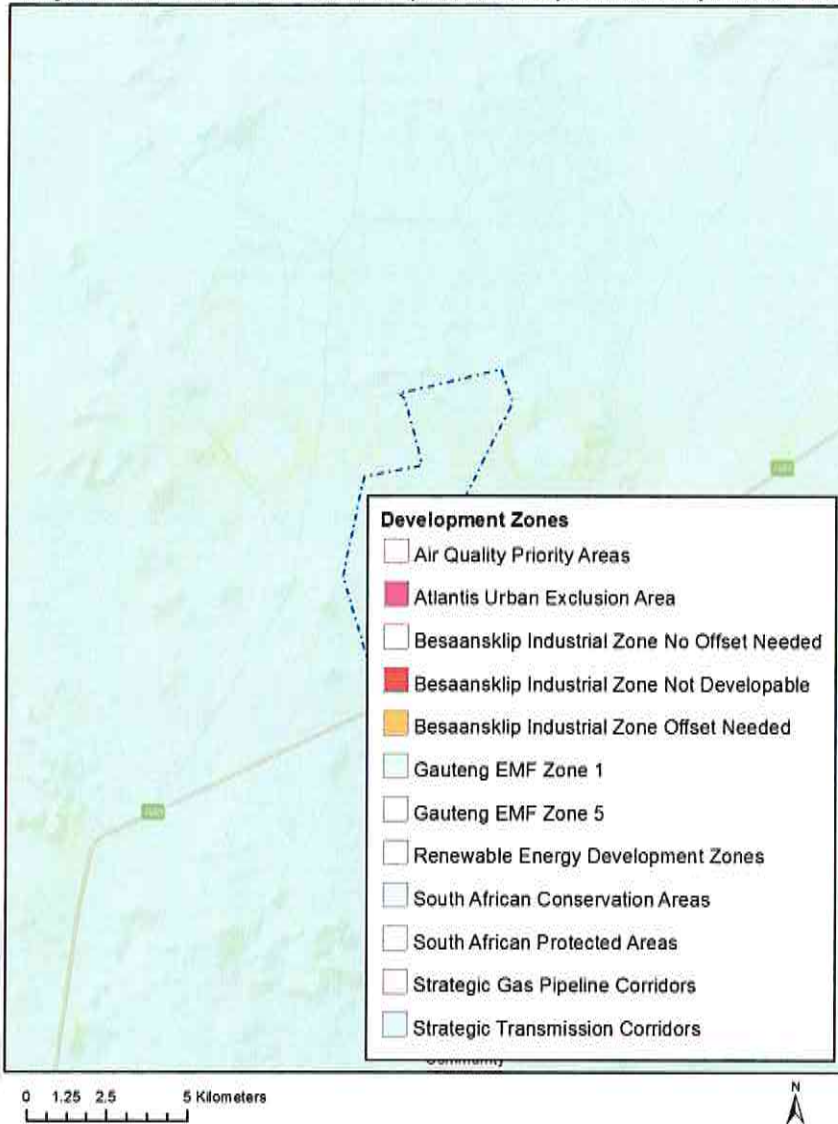
Relevant development incentives, restrictions, exclusions or prohibitions

The following development incentives, restrictions, exclusions or prohibitions and their implications that apply to this site are indicated below.

Incentive, restriction or prohibition	Implication
Strategic Transmission Corridor-Central corridor	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Combined EGI.pdf

Map indicating proposed development footprint within applicable development incentive, restriction, exclusion or prohibition zones

Project Location: NOOITGEDACHT 418, UITKYK 1152, DE RUST 396, EUREKA 870



Proposed Development Area Environmental Sensitivity

The following summary of the development site environmental sensitivities is identified. Only the highest environmental sensitivity is indicated. The footprint environmental sensitivities for the proposed development footprint as identified, are indicative only and must be verified on site by a suitably qualified person before the specialist assessments identified below can be confirmed.

Theme	Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
Agriculture Theme		X		
Animal Species Theme			X	

Aquatic Biodiversity Theme	X			
Archaeological and Cultural Heritage Theme				X
Civil Aviation Theme				X
Defence Theme				X
Paleontology Theme			X	
Plant Species Theme				X
Terrestrial Biodiversity Theme	X			

Specialist assessments identified

Based on the selected classification, and the environmental sensitivities of the proposed development footprint, the following list of specialist assessments have been identified for inclusion in the assessment report. It is the responsibility of the EAP to confirm this list and to motivate in the assessment report, the reason for not including any of the identified specialist study including the provision of photographic evidence of the site situation.

N o	Specialist assessment	Assessment Protocol
1	Agricultural Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Agriculture Assessment Protocols.pdf
2	Archaeological and Cultural Heritage Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
3	Palaeontology Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
4	Terrestrial Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Terrestrial Biodiversity Assessment Protocols.pdf
5	Aquatic Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Aquatic Biodiversity Assessment Protocols.pdf
6	Noise Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Noise Impacts Assessment Protocol.pdf

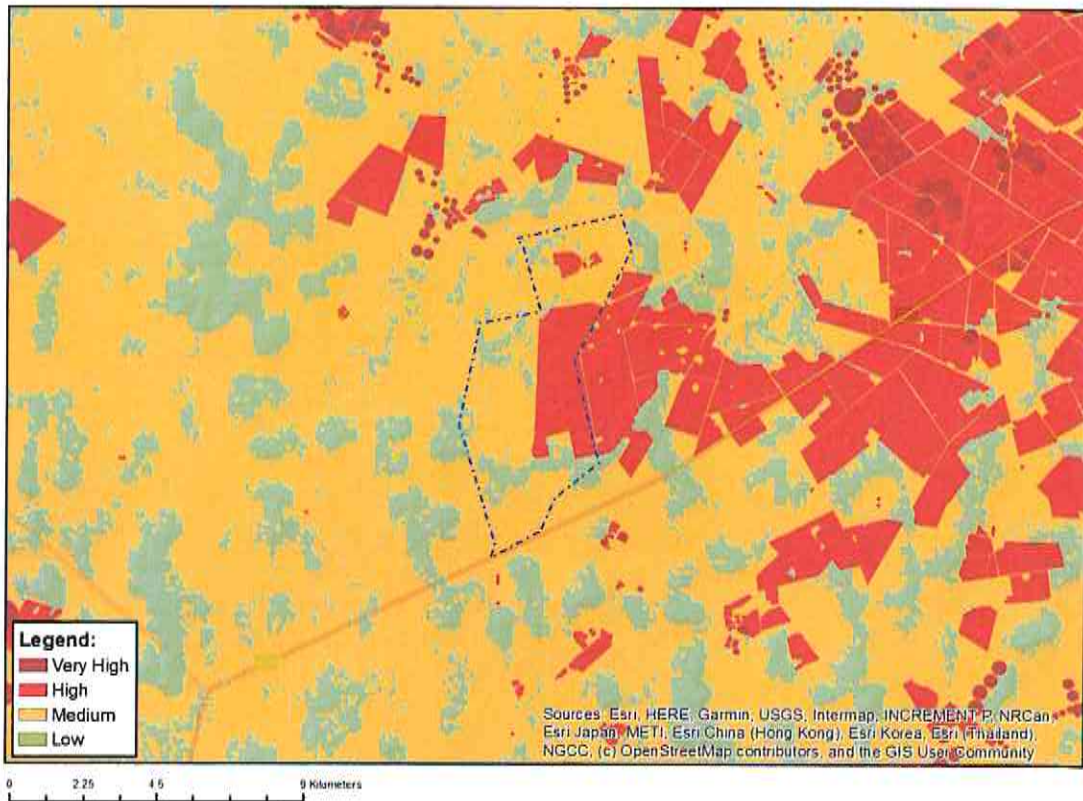
	ment	
7	Radioactivity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
8	Plant Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Plant Species Assessment Protocols.pdf
9	Animal Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Animal Species Assessment Protocols.pdf

OFFICIAL

Results of the environmental sensitivity of the proposed area.

The following section represents the results of the screening for environmental sensitivity of the proposed site for relevant environmental themes associated with the project classification. It is the duty of the EAP to ensure that the environmental themes provided by the screening tool are comprehensive and complete for the project. Refer to the disclaimer.

MAP OF RELATIVE AGRICULTURE THEME SENSITIVITY

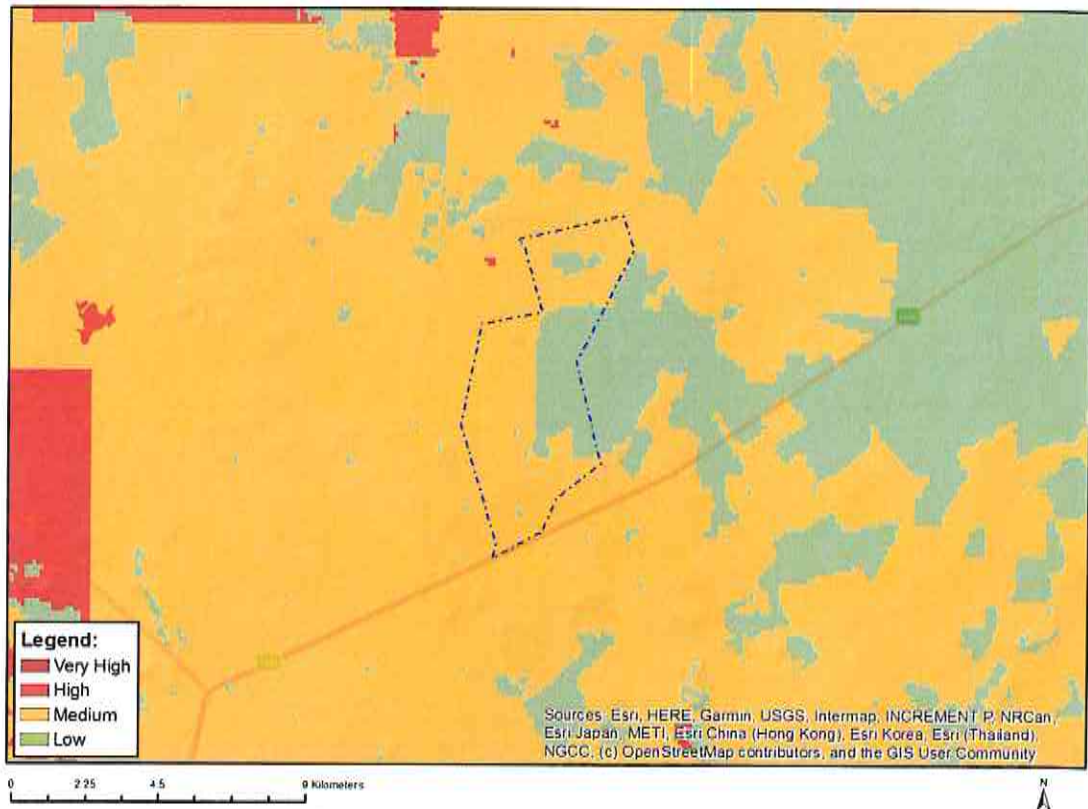


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Annual Crop Cultivation / Planted Pastures Rotation; Land capability; 06. Low-Moderate/07. Low-Moderate/08. Moderate
High	Annual Crop Cultivation / Planted Pastures Rotation; Land capability; 01. Very low/02. Very low/03. Low-Very low/04. Low-Very low/05. Low
Low	Land capability; 01. Very low/02. Very low/03. Low-Very low/04. Low-Very low/05. Low
Medium	Land capability; 06. Low-Moderate/07. Low-Moderate/08. Moderate

MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY



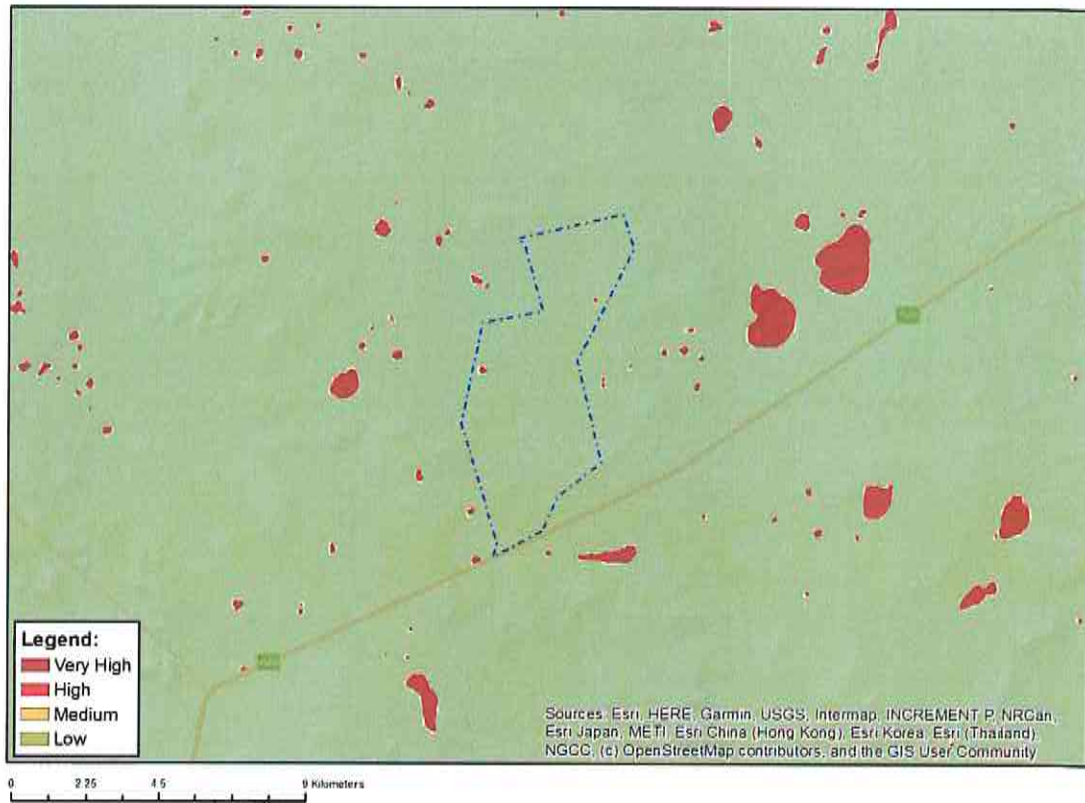
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their unique identifiers for which information is required. The name has been withheld as the species may be prone to illegal harvesting and must be protected. SANBI will release the actual species name after the details of the EAP or specialist have been documented.

Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Low	Subject to confirmation
Medium	Aves-Neotis ludwigii

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

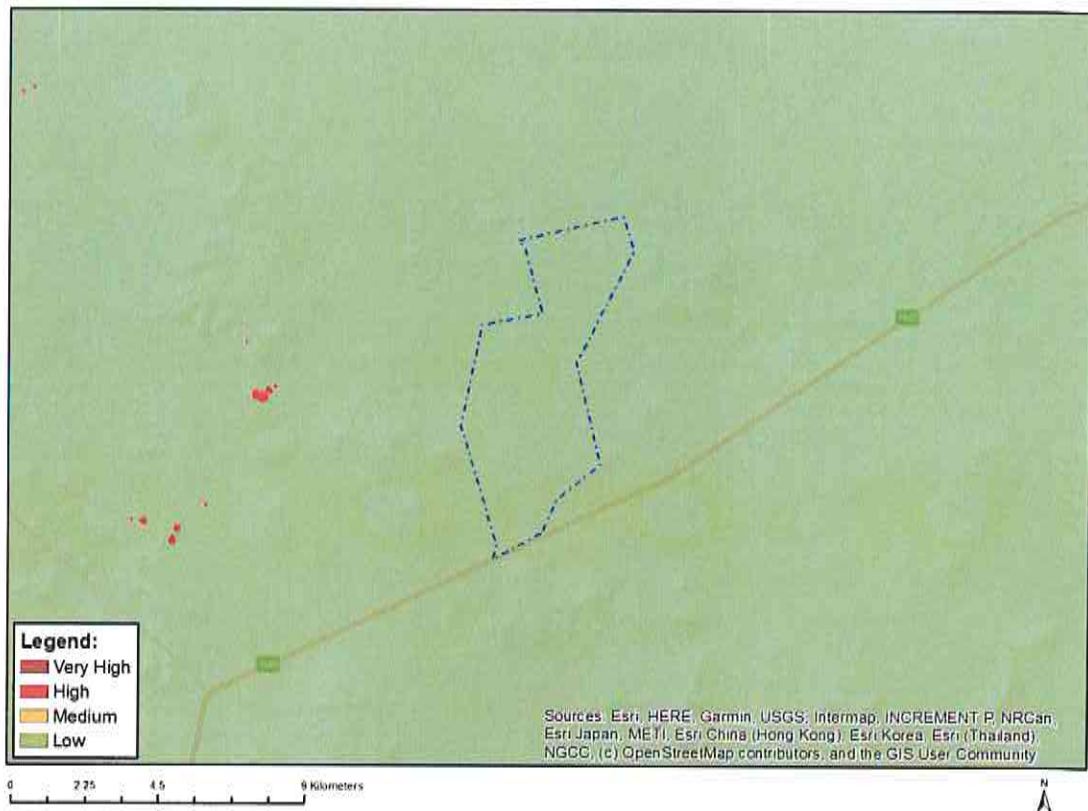


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity
Very High	Wetlands and Estuaries

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

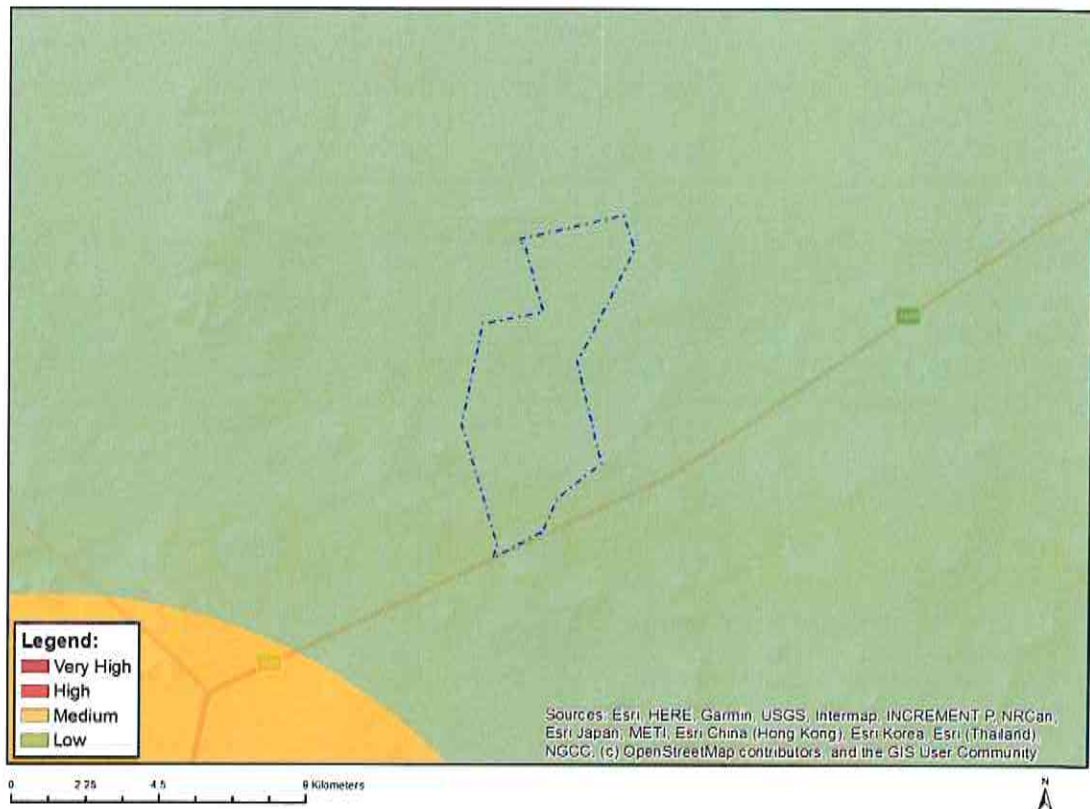


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY

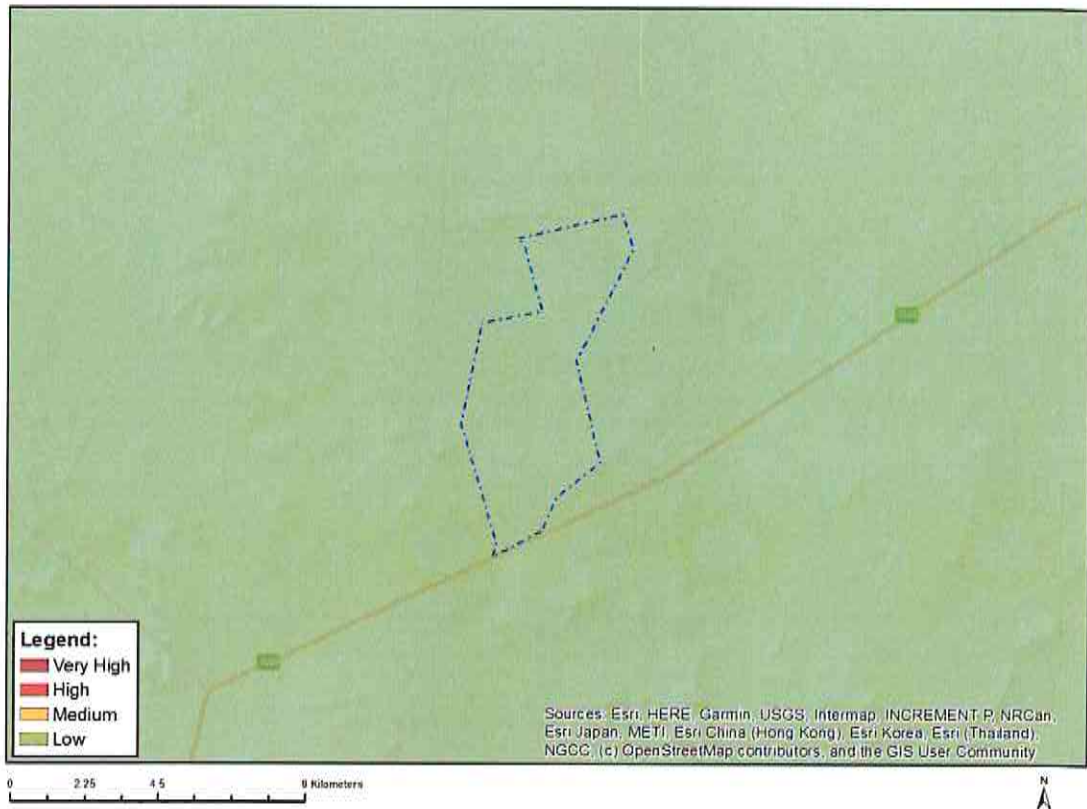


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

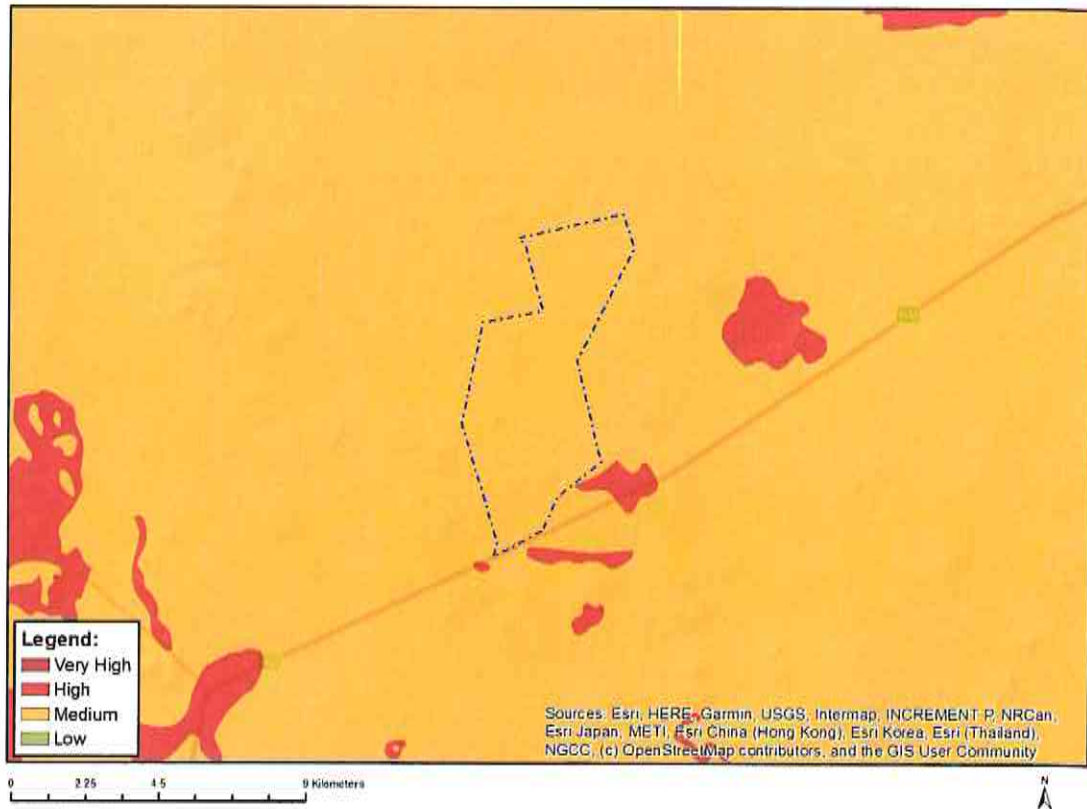


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

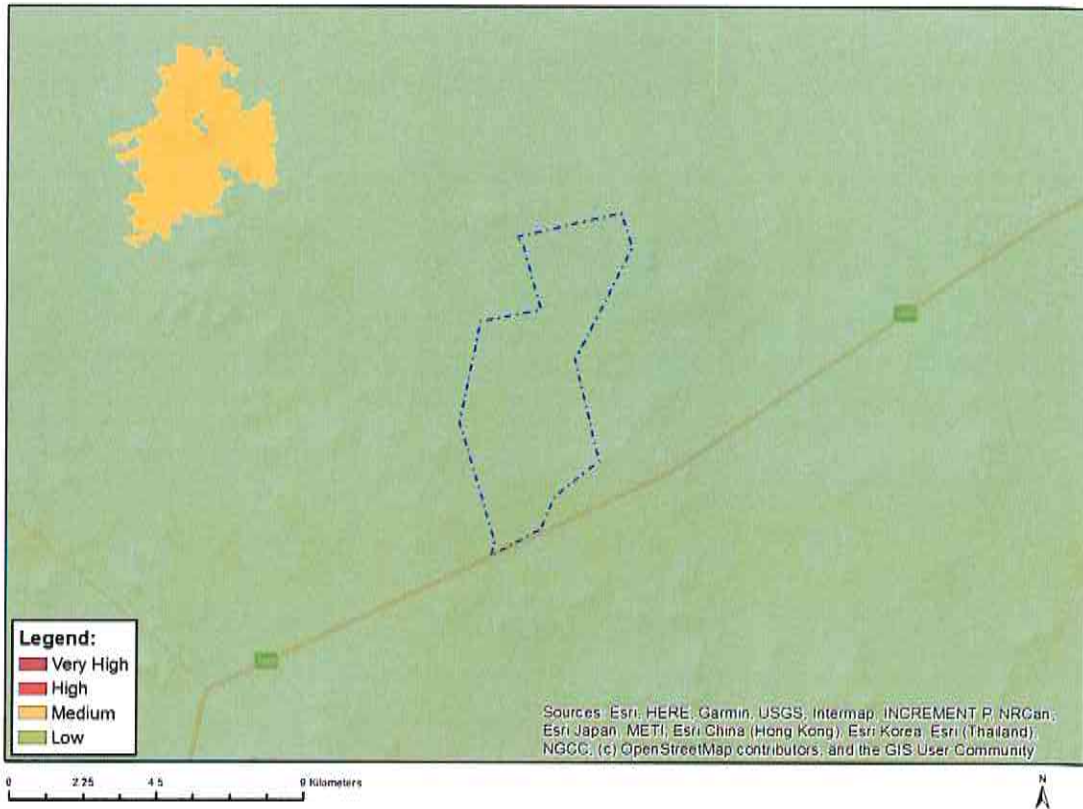


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Medium	Features with a Medium paleontological sensitivity

MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY



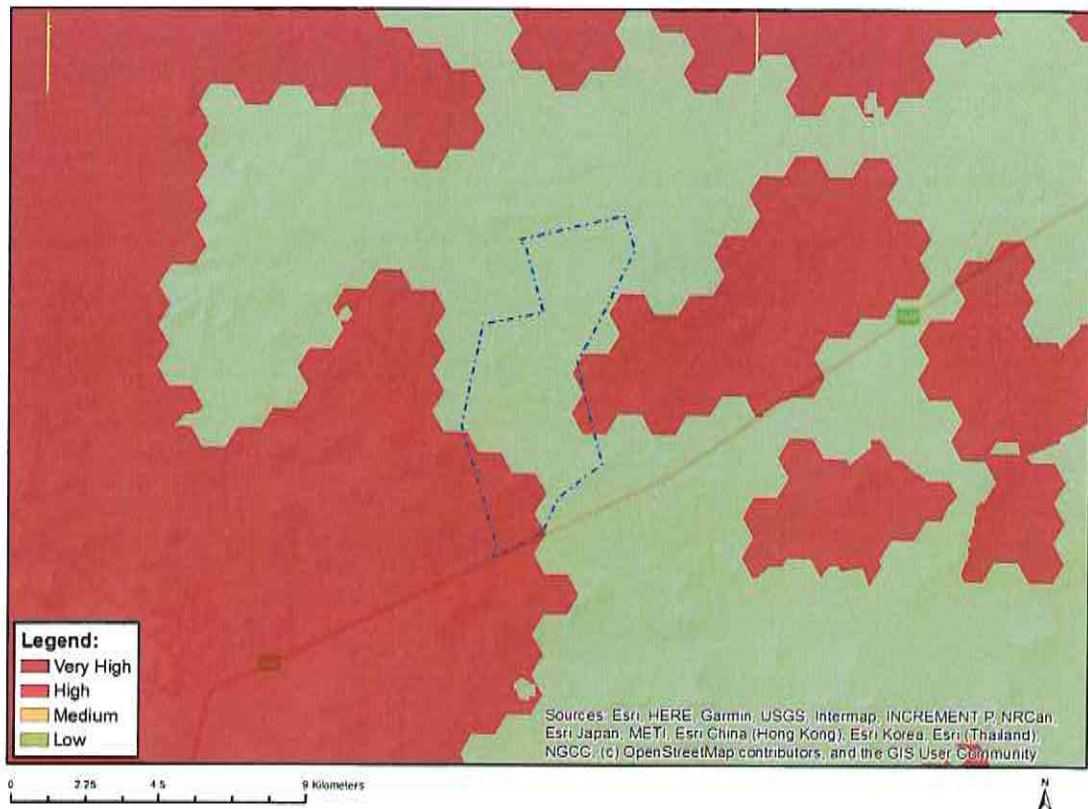
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their unique identifiers for which information is required. The name has been withheld as the species may be prone to illegal harvesting and must be protected. SANBI will release the actual species name after the details of the EAP or specialist have been documented.

Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity
Very High	Critical biodiversity area 1
Very High	Ecological support area 2

July 11, 2022

CRYSTAL BLUE DIAMOND MINING (PTY) Ltd. – THE FARM Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870 (the remaining extent & portion 1) – FS 30/5/1/1/2/ 10647 PR

APPENDIX 4

*** REHABILITATION COST ESTIMATE**

Calculation of the Financial Provision

Mine : Crystal Blue Diamond Mining (Pty) Ltd

Location: Nooitgedacht 418, Uitkyk 1152, De Rust 396, Eureka 870, Fauresmith district

No	Description	Unit	Quantity (A)	Master Rate (B)	Multiplication Factor (C)	Weighting Factor (D)	Amount (E)=A*B*C*D
1	Dismantling of the Processing Plant and related Structures (Including Overland conveyors and power lines)	m ³	-	17.91	1	1	-
2 (A)	Demolition of Steel buildings and structures (including floor slabs)	m ²	-	249.45	1	1	-
2(B)	Demolition of reinforced concrete buildings and structures	m ²	-	367.62	1	1	-
3	Rehabilitation of access Roads	m ²	-	44.64	1	1	-
4 (A)	Demolition and rehabilitation of electrified railway lines	m	-	433.26	1	1	-
4 (B)	Demolition and rehabilitation of non-electrified railway lines	m	-	236.33	1	1	-
5	Demolition of housing and facilities (including floor slabs)	m ²	-	498.91	1	1	-
6	Opencast Rehabilitation (including final voids and ramps)	ha	0.21	253,918.43	1	1	53,322.87
7	Sealing of shafts and adits and inclines (including concrete cap)	m ³	-	133.92	1	1	-
8 (A)	Rehabilitation of Overburden and Spoils	ha	-	174,355.57	1	1	-
8 (B)	Rehabilitation of processing waste Deposits an eevaporation ponds (basic, salt-producing waste)	ha	-	217,156.72	1	1	-
8 (C)	Rehabilitation of processing waste Deposits an eevaporation pond (acidic, metal-rich waste)	ha	-	630,726.04	1	1	-
9	Rehabilitation of subsided areas	ha	-	145,996.53	1	1	-
10	General Surface Rehabilitation, including grassing of all denuded areas	ha	0.10	138,119.02	1	1	13,811.90
11	River diversions	ha	-	138,119.02	1	1	-
12	Fencing	m	-	157.55	1	1	-
13	Water Management (Separating clean and dirty water and managing the impact on groundwater, including treatment, when required)	ha	-	52,516.74	1	1	-
14	2 to 3 Years of Maintenance and aftercare	ha	0.20	18,380.86	1	1	3,676.17
15 (A)	Specialist Study	Sum	-				-
15 (B)	Specialist Study	Sum	-				-
Total Sum of all Items							70,810.94
12% of subtotal							
1	Preliminary and General	6% of subtotal					4,248.66
2	Contingencies	10% Contingency					7,505.96
Subtotal 1. plus sum of Management and contingency)							82,565.56
VAT@15% of the Total							12,384.83
Grand Total							94,950.40