

BLACK MOUNTAIN MINING PTY LTD

JAAGERS PLAAT PROSPECTING RIGHT PROJECT

BACKGROUND INFORMATION DOCUMENT

DMR REFERENCE NUMBER:

NC30/5/1/1/2/12389 PR

PROJECT INTRODUCTION:

Environmental Impact Management Services (Pty) Ltd (EIMS), an independent environmental consulting firm, has been appointed by Black Mountain Mining (Pty) Ltd, (the applicant), to assist in preparing and submitting, in support of an Environmental Authorisation application, a Basic Assessment Report (BAR), Environmental Management Programme (EMPR), as well as an Integrated Interested and Affected Party Consultation (I&AP) for a prospecting right application.

AIM OF THE BACKGROUND INFORMATION DOCUMENT (BID):

The aim of the BID is to:

- Provide an overview of the Environmental Authorisation Process which will be undertaken for the proposed Black Mountain Mining Prospecting Right in terms of the Mineral and Petroleum Resources Development Act (MPRDA, Act 28 of 2002, as amended) and the listed activities in terms of the National Environmental Management Act (NEMA, Act 107 of 1998).
- Allow I&AP's the opportunity to obtain a broad understanding of the proposed project and submit any initial comments, concerns and objections with regard to the project.
- Notify I&AP's of the compilation of a Basic Assessment Report (BAR) which will address all comments received and in turn will be submitted to the Relevant Authority for decision making.

LOCATION, SCALE, AND EXTENT OF THE PROPOSED PROJECT:

The proposed prospecting activity area is located approximately 100 to 130 kilometers South East of the town of Aggeneys and 175 kilometers East South East of the town of Springbok, Namaqualand District, Northern Cape Province. Jaagers Plaats covers an area of 129 407 hectares, the affected properties are described in Table 1 below.

PROJECT DESCRIPTION:

The applicant, Black Mountain Mining (Pty) Ltd, is applying for a prospecting right application in order to ascertain if economically viable mineral deposits exist within the application area for the following : Ferrous & base metals (Copper, Iron, Lead, Zinc, Manganese, Nickel, Molybdenum) and all associated metals and minerals, precious metals (Gold, Silver) and all associated metals and minerals. Both non-invasive and invasive prospecting techniques will be utilized. The target geological formation is the Bushmanland Group.

The application will follow a phased approach, and project is divided into several sequential phases. The different phases and timeframes of the prospecting envisaged are, by their nature, dependent on the results obtained during the preceding phases of prospecting. The project will include the use of Non-Invasive and Invasive prospecting techniques. It is anticipated that invasive activities will only be utilized after the second year of prospecting.

Non-Invasive Prospecting Techniques:

The project will include the following non-invasive activities:

- Desktop Study/Literature review
- Regional Airborne Geophysical Survey
- Ground Geophysical Surveys and Geological Field Mapping
- Compilation, Interpretation and Modelling of Data
- Detailed Ground Geophysical Survey on individual positively mineralized targets to define possible extent
- Analytical Desktop Pre-Feasibility Study

Invasive Prospecting Techniques:

Invasive techniques that will be utilized during prospecting include the following:

- Exploration Boreholes
- Boreholes to confirm continuity of mineralization & potential deposit size
- Resource Definition Drilling

DURATION OF ACTIVITY:

The Prospecting Right Project is scheduled to take place over a period of 5 years.

NEMA LISTED ACTIVITIES:

The following NEMA listed activities have been applied for in this application:

- Listing Notice 1 Activity 20: Activities directly related to prospecting of a mineral resource, including the operation of that activity which requires a prospecting right in terms of section 16 of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002), including associated infrastructure, structures and earthworks, directly related to prospecting of a mineral resource.
- Listing Notice 1 Activity 27: The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation.
- Listing Notice 3 Activity 12 (g) (ii): The clearance of an area of 300 square metres or more of indigenous vegetation within critical biodiversity areas identified in bioregional plans.

TYPICAL IMPACTS ASSOCIATED WITH THESE ACTIVITIES:

Non-invasive and invasive prospecting techniques will be utilised. Site access will be required for during the topographical and geophysical surveys. Potential impacts that may occur as a result of the proposed activities are as follows:

- Top Soil Removal;
- Vegetation Clearance;
- Surface and Groundwater Contamination;
- Noise and Air Pollution; and
- General and Hazardous Waste Generation.

HOW TO GET INVOLVED:

As an I&AP you need to ensure that you are registered as an I&AP for the Prospecting Right and that you forward through any comments, concerns or objections to EIMS within the stipulated timeframes provided. You may register as an I&AP in any of the following ways:

1. Via E-mail, Fax, Letter or Telephone Call addressed to the contact person stipulated at the end of this document;
2. Through the review and comment on Reports.

In order to ensure that you are identified and registered as an interested and affected party (I&AP) please submit your name, contact details and the reason for your interest, in writing or telephonically, to Environmental Impact Management Services (Pty) Ltd. Comments will be included in the final BAR, to be submitted to the DMR at the end of the process. Please include comments, concerns and suggestions to be submitted and considered by the DMR. Please note that only registered I&AP's will be included in future correspondence regarding this project. Please submit any queries, comments, concerns or issues (including the reference number 1304-2) to:

Environmental Impact Management Services (Pty) Ltd

Contact Person: GP Kriel

Reference Number: 1304-2

Postal Address: PO.Box 19731, Tecoma, 5214

Telephone: (043) 722 7572 / **Fax:** 086 571 9047

E-mail: jaagersplaat@eims.co.za

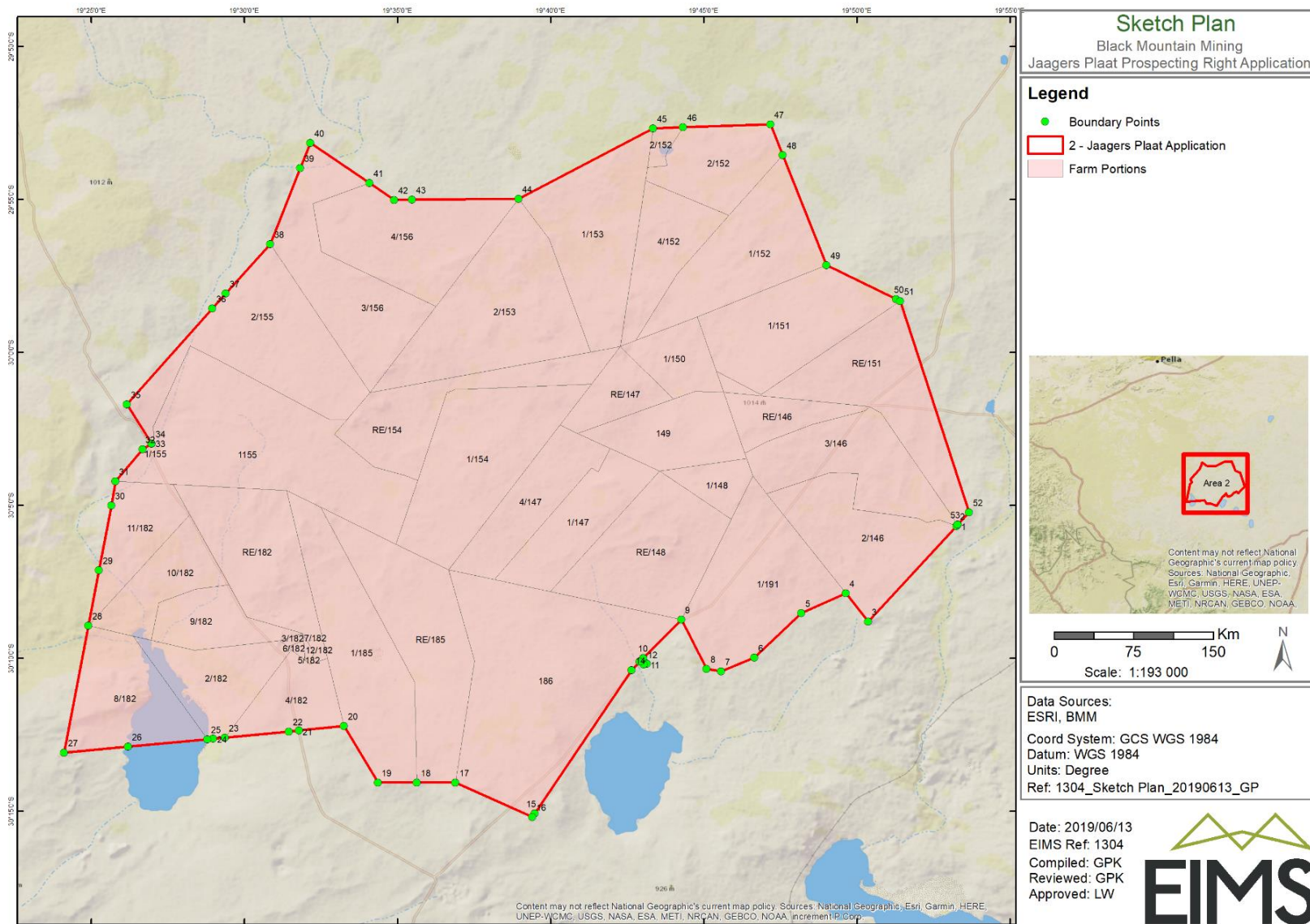


Figure 1: Locality Map



Data Sources:
 ESRI, BMM
 Coord System: GCS WGS 1984
 Datum: WGS 1984
 Units: Degree
 Ref: 1304_Sketch Plan_20190613_GP

Date: 2019/06/13
 EIMS Ref: 1304
 Compiled: GPK
 Reviewed: GPK
 Approved: LW

Table 1: List of properties affected by Jaegers Plaat application

Nr.	Registered Land Description	Magisterial District	Extent (Ha)	Title Deed/Diagram Deed	SG Code
1	Farm Weltevreden 146 Portion 0 RE	Calvinia Rd	1299,453691	T31987/2014CTN	C015000000001460000
2	Farm Weltevreden 146 Portion 2	Calvinia Rd	3926,586066	T104436/1999	C015000000001460002
3	Farm Weltevreden 146 Portion 3	Calvinia Rd	3762,126742	T54118/1989CTN	C015000000001460003
4	Farm Klein Brand Pens 147 Portion 0 RE	Calvinia Rd	1390,743997	T55777/1988CTN	C015000000001470000
5	Farm Klein Brand Pens 147 Portion 1 RE	Calvinia Rd	2715,210142	T86919/1998CTN	C015000000001470001
6	Farm Klein Brand Pens 147 Portion 4	Calvinia Rd	2702,072374	T21212/1978	C015000000001470004
7	Farm Lemoendoorn 148 Portion 0 RE	Calvinia Rd	4514,496053	T1252/1981	C015000000001480000
8	Farm Lemoendoorn 148 Portion 1	Calvinia Rd	905,693438	T1252/1981	C015000000001480001
9	Farm Blouputs 149 Portion 0	Calvinia Rd	2573,096312	T56673/2002CTN	C015000000001490000
10	Farm Groot Brand Pens 150 Portion 1 RE	Calvinia Rd	1493,3018	T55777/1988CTN	C015000000001500001
11	Farm Granaat Bosch Kolk 151 Portion 0 RE	Calvinia Rd	4453,884349	T25921/1986	C015000000001510000
12	Farm Granaat Bosch Kolk 151 Portion 1	Calvinia Rd	4327,719526	T51250/2009CTN	C015000000001510001
13	Farm Abrahams Kop 152 Portion 1	Calvinia Rd	4220,008433	T51251/2009	C015000000001520001
14	Farm Abrahams Kop 152 Portion 2	Calvinia Rd	263,05238	T82745/2001CTN	C015000000001520002
15	Farm Abrahams Kop 152 Portion 2	Calvinia Rd	2528,160884	T82745/2001CTN	C015000000001520002
16	Farm Abrahams Kop 152 Portion 4	Calvinia Rd	2384,544464	T105180/2000CTN	C015000000001520004
17	Farm Nutiep 153 Portion 1	Calvinia Rd	4808,37246	T105180/2000CTN	C015000000001530001
18	Farm Nutiep 153 Portion 2	Calvinia Rd	6106,832579	T11972/2002	C015000000001530002
19	Farm Jaegers Plaat 154 Portion 0 RE	Calvinia Rd	3346,950002	T409/2003CTN	C015000000001540000
20	Farm Jaegers Plaat 154 Portion 1	Calvinia Rd	5577,4439	T11977/2002	C015000000001540001
21	Farm Groot Zevenfontein East 155 Portion 1	Calvinia Rd	53,010402	T17706/1951	C015000000001550001
22	Farm Groot Zevenfontein East 155 Portion 2	Calvinia Rd	5449,897835	T9372/1985CTN	C015000000001550002
23	Farm Abiquas Kolk Oost 156 Portion 3 RE	Calvinia Rd	4581,880721	T85701/1999	C015000000001560003
24	Farm Abiquas Kolk Oost 156 Portion 4	Calvinia Rd	4546,483651	T74859/1990	C015000000001560004
25	Farm Dik Pens 182 Portion 0 RE	Calvinia Rd	3991,96617	T34187/1996	C015000000001820000

Nr.	Registered Land Description	Magisterial District	Extent (Ha)	Title Deed/Diagram Deed	SG Code
26	Farm Dik Pens 182 Portion 2 RE	Calvinia Rd	2567,8786	T15673/1956	C0150000000018200002
27	Farm Dik Pens 182 Portion 3	Calvinia Rd	50,124671	T16948/1977CTN	C0150000000018200003
28	Farm Dik Pens 182 Portion 4	Calvinia Rd	1842,300209	T16948/1977CTN	C0150000000018200004
29	Farm Dik Pens 182 Portion 5	Calvinia Rd	46,339945	Unknown	C0150000000018200005
30	Farm Dik Pens 182 Portion 6	Calvinia Rd	51,269516	Unknown	C0150000000018200006
31	Farm Dik Pens 182 Portion 7	Calvinia Rd	3,786603	Unknown	C0150000000018200007
32	Farm Dik Pens 182 Portion 8	Calvinia Rd	3436,687791	T46045/1990	C0150000000018200008
33	Farm Dik Pens 182 Portion 9	Calvinia Rd	1801,0099	T7468/1962	C0150000000018200009
34	Farm Dik Pens 182 Portion 10	Calvinia Rd	2101,832234	T46045/1990	C0150000000018200010
35	Farm Dik Pens 182 Portion 11	Calvinia Rd	2104,318691	T99592/1997CTN	C0150000000018200011
36	Farm Dik Pens 182 Portion 12	Calvinia Rd	95,217776	T16948/1977CTN	C0150000000018200012
37	Farm Water Kuil 185 Portion 0 RE	Calvinia Rd	5256,948423	T17521/2004	C0150000000018500000
38	Farm Water Kuil 185 Portion 1	Calvinia Rd	5209,377283	T98195/2002	C0150000000018500001
39	Farm Dwaggas West 186 Portion 0	Calvinia Rd	9854,817947	T15138/2005CTN	C0150000000018600000
40	Farm Dwaggas Oost 190 Portion 1	Calvinia Rd	7,15319	T19413/1960	C0150000000019000001
41	Farm Hyes 191 Portion 1	Calvinia Rd	5034,154349	T74929/2003CTN	C0150000000019100001
42	Farm Blouvtlei 1155 Portion 0	Calvinia Rd	8083,847178	T14596/1988CTN	C01500000000115500000
	TOTAL AREA (HA)		129 407		

It should be noted that these properties may change after acceptance of the Prospecting Right Applications by the DMR. Should the application area change, the updated properties will be provided in the draft Basic Assessment Report which will be available for public comment.