

Appendix 1.1-1: EAP Qualifications

SACNASP

South African Council for Natural Scientific Professions

herewith certifies that
Babalwa Atalanta Fatyi
Registration Number: 400123/01
is a registered scientist

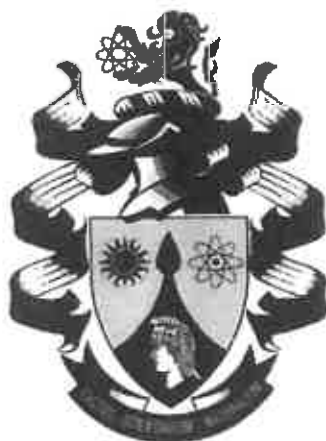
in terms of section 20(3) of the Natural Scientific Professions Act, 2003
(Act 27 of 2003)

in the following field(s) of practice (Schedule 1 of the Act)

Botanical Science (Professional Natural Scientist)

Effective 15 November 2001

Expires 31 March 2021



Botha

Chairperson

R. Fatyi

Chief Executive Officer



Aspects
International

Certificate



IEMA Approved

***Foundation Course in
Environmental
Auditing
South Africa***



This is to Certify that

Babalwa Fatyi

***Attended and Successfully Completed
the above Training Programme on
22nd – 26th November 2004
and Achieved 88% at Examination***



Signed

Aspects International Ltd

Certificate No. SA0411/04
Issue Date: 08/12/04

ASP/FLEA/00504/SOUTH AFRICA



a core component of the

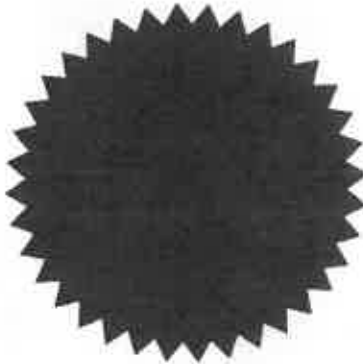
EcoProfits™

programme.

Institute of Waste Management of Southern Africa



This is to certify that
Babalwa Mbalo
has been elected
Associate Member
of the Institute



Hendrik Ntshonyi
President

[Signature]
Secretary General

10205011
Membership No

1 April 2005
Date

NOSA



Reg. Number 1951/000010/08

This is to certify that

BA MBALO

ID Number

721225 2528 082

has met the requirements for

WORKPLACE RISK ASSESSMENT COURSE

Training period

17/02/2004 - 18/02/2004

EA1614



Manager:



145025



Mrs BA Fatyi
Environmental Director
Myezo Environmental Management Services
PO Box 13972
VORNA VALLEY
1686

Centre for Environmental Management
Internal Box 231
Private Bag X6001
POTCHEFSTROOM, 2520
South Africa

Tel.: (018) 299-2715
Fax.: (018) 299-2726
E-mail: aokdg@puk.ac.za
<http://cem.puk.ac.za>

Dear Mrs Fatyi

21 June 2006

**COURSE:
IMPLEMENTING INTEGRATED MANAGEMENT SYSTEMS:
ISO 9001: 2000, ISO 14001: 2004 AND OHSAS 18001: 1999
5-9 JUNE 2006 (CEM-07.1)**

We hereby inform you that your Final Delegate Assessment Score is (78%) for the above-mentioned course. Please receive herewith your certificate.

Thank you for attending a CEM course and your contribution to the learning experience of all attendees.

Please contact the CEM should you have any other training needs

Yours sincerely



Mrs Dydré Greeff
Centre for Environmental Management



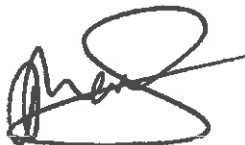
This is to certify that

BA FATYI

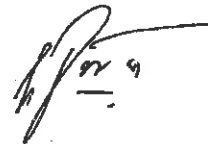
successfully
completed the course

**Implementing Integrated Management
Systems: ISO 9001: 2000, ISO 14001: 2004
and OHSAS 18001: 1999**

5-9 June 2006



Prof. JG Nel
Executive Manager: Centre for Environmental Management
Course Leader



Prof. GJ du Toit
Director Research Focus Area:
Environmental Development and Management



Potchefstroomse Universiteit
vir Christelike Hoër Onderwys

This is to certify that

BA MBALO

has successfully
completed a course in

**IMPLEMENTING ENVIRONMENTAL
MANAGEMENT SYSTEMS
(SABS/ISO 14001)**

20-23 May 2002

Prof. JG Nel

Executive Manager: Centre for Environmental Management
Course Leader

Prof. GJ du Toit

Director Research Focus Area:
Environmental Development and Management

UNIVERSITY OF TRANSKEI



This is to certify that

BABALWA ATLANTA MBALO

**having complied with the requirements
of the Act and Statutes was admitted to the Degree of**

BACHELOR OF SCIENCE

**MAJOR SUBJECTS: BOTANY
ZOOLOGY**


at a Congregation of the University

held on

18 MAY 1996


REGISTRAR




DEAN


VICE-CHANCELLOR



UNIVERSITY OF THE WITWATERSRAND,
JOHANNESBURG

At a congregation of the University

held on 9 December 1999

Babalwa Atalanta Mbalo

was admitted to the Degree of

Master of Science

(with distinction)

A handwritten signature in cursive script, appearing to read 'C. J. ...', positioned above a horizontal line.

Dean, Faculty of Science

A handwritten signature in cursive script, appearing to read 'S. J. ...', positioned above a horizontal line.

Vice-Chancellor and Principal

A handwritten signature in cursive script, appearing to read 'A. ...', positioned above a horizontal line.

Registrar





UNIVERSITY OF THE WITWATERSRAND,
JOHANNESBURG

At a congregation of the University

held on 24 April 1997

Babalwa Atalanta Mbalo

was admitted to the Degree of

Bachelor of Science with Honours

Botany

Dean, Faculty of Science

Vice-Chancellor and Principal

Registrar (Academic)



iema

INSTITUTE OF ENVIRONMENTAL
MANAGEMENT & ASSESSMENT

Certificate of Registration

This is to certify that

Babalwa Fatyi

is registered as an

Environmental Auditor

having, in the opinion of the Council of the Institute
of Environmental Management and Assessment, met
the criteria for this level of registration

This certificate is only valid with a current IEMA membership card



For and on behalf of the Professional
Standards Committee

Certificate

Appendix hiic1-1: Proof of Newspaper Advert



Minova Africa is currently looking for dynamic **AREA TECHNICAL MANAGERS** to join their sales force in the Free State and Northern Cape areas.

Job Description:

To promote, support and give technical advice on our ground support products to the mining industry and to realize the company's sales and profitability targets in the region.

Required Skills:

- Post-matric mining/rock mechanic qualification or a mine overseer certificate
- Ground support product knowledge
- 2 years sales experience
- 2 years underground mining experience
- Proven track record of meeting/exceeding set sales targets
- Strata control/Blasting certificate would be advantageous

Forward CV to: lina.reddy@minovaglobal.com



Nicole Steenberg

NOTIFICATION TO INTERESTED AND AFFECTED PARTIES IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT (ACT NO. 107 OF 1998) AS WELL AS MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT (ACT NO. 28 OF 2002) REGARDING THE ENVIRONMENTAL AUTHORISATION APPLICATION (BASIC ASSESSMENT PROCESS) FOR THE PROPOSED PROSPECTING OF IRON ORE AND MANGANESE ORE ON THE FARMS THORNS 407, DUNE 437, RECORD 411, LOOKOP 414, OUTLANDS 406, AND TOWTON 415, LOCATED APPROXIMATELY 50 KM NORTH WEST OF KATHU TOWN, IN THE MAGISTERIAL DISTRICT OF KURUMAN, WITHIN TSANTSABANE LOCAL MUNICIPALITY, NORTHERN CAPE PROVINCE.

Applicant: Zastrocode (Pty) Ltd



Project locality: The application area is situated approximately 50 km North West of Kathu town, under the Magisterial district of Kuruman, within Tsantsabane Local Municipality, Northern Cape Province. Site coordinates are shown on Figure 1.1, Project Locality map.

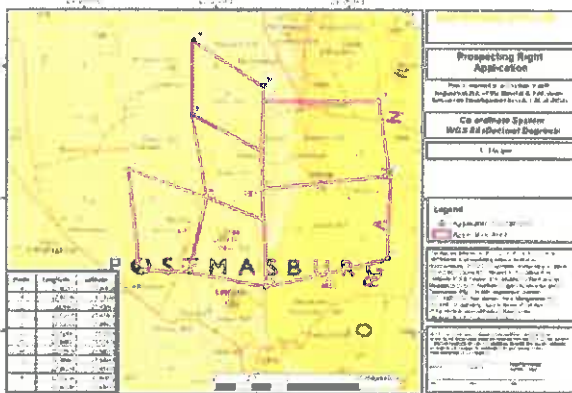


Figure 1.1: Project Locality Map

Process followed: Basic Assessment Report Process
Competent Authority: Department of Mineral Resources and Energy

Notice is hereby given in terms of Section 41 (2) (a) (b) (c) (d) (e) and (3) of National Environmental Management Act (Act 107 of 1998) (NEMA); Environmental Impact Assessment Regulations, 2014 published in Government Notice (GN) R892 and Government Gazette No. 3822, as amended in 2017 under GN R326. These regulations were promulgated in terms of Sections 24 (5) and 44 of NEMA.

This notification is also provided in terms of Section 16 (4)(b) of Mineral and Petroleum Resources Development Act (MPRDA) and Chapter 6 of GN R. 982 of NEMA, which requests that Zastrocode (Pty) Ltd (Zastrocode) notify landowners or lawful occupiers and or any other affected parties in writing and consult with all affected parties during the process of seeking an environmental authorisation.

An application for a prospecting right has been lodged with the Department of Mineral Resources and Energy (DMRE) in terms of Section 16 of the National Environmental Management Act, 1998 (Act 107 of 1998) (NEMA); Environmental Impact Assessment (EIA) regulations, 2014. An application for an environmental authorisation was also lodged in terms of NEMA, together with the application for a prospecting right.

Background and Nature of Application:

Zastrocode submitted a Mineral Prospecting Right and Environmental Authorisation applications to DMRE, the Competent Authority (CA) for this project.

The minerals of interest for prospecting are Iron ore and manganese ore, and the area is approximately 20 061,27 hectares in extent.

Non-invasive and invasive (drilling) techniques will be utilised during prospecting. Non-invasive activities will include geological mapping, geological modelling, analysis of field materials, and exploration scheduling analysis; and literature review. Invasive activities will include geological mapping; ground magnetic surveys; Diamond, Air Core, Rotary Air Blast (RAB) or Reverse circulation (RC) drilling of about 40 drill holes of depths ranging from 50 m to 100 m and 100 x 100 m drill spacing; and rehabilitation. Prospecting activities will make use of existing roads as far as possible, however, additional tracks estimated as five (5) km in length as well as 40 drill-pods will be created.

The activities to be undertaken under this planned application which are triggered under NEMA regulations include Listed Activities 20, 22 (i) (ii) and 27 (under Listing Notice 1 - GN R983, as amended in 2017 under GN R 327).

This advert forms part of the public participation process, that aims to ensure that the views and concerns of the Interested and Affected Parties (IAPs) are addressed in the succeeding environmental assessment process.

This advert serves to invite all IAPs to participate in the public participation process, which commences from 19 April 2021 to 21 May 2021 (30 days). This process ensures that members of the public are registered as IAPs, to enable them to raise concerns, suggest solutions or seek clarity on the proposed project. All issues and concerns may be lodged formally (in writing) using the contact details provided below. All comments and/or issues should be submitted to the Environmental Assessment Practitioner (EAP) within 30 days of this advert (19 April 2021 to 21 May 2021). The results of this consultation will be included in the final BAR submission so that the DMRE can adjudicate on the application. You are being advised to contact us to obtain an electronic copy of the Draft Basic Assessment Report (BAR), and its supporting documents, should you wish to review the documents.

Environmental Assessment Practitioner Consultant Contact Details:

Myezo Environmental Management Services (Pty) Ltd
Postnet Suite B 165, Private Bag X18, Lynnwood Ridge, 0040, Pretoria
Fax Number: 086 543 1689
E-mail: administrator@myezo.co.za
Contact Person: Lyn Madzwanira
Contact number: 073 894 7282
Please do also send WhatsApp messages on 081 582 1849 and you will be called back.



MYEZO ENVIRONMENTAL MANAGEMENT SERVICES
Environmental Assessment

KATHU

AnaQuin Model Franchise

Dr Ellen Roux, besturende direkteur van Beyond 2000 het die AnaQuin Model Franchise begin einde 2020.

Daar is reeds 8 takke oor die land. Beyond 2000 bied reeds vir meer as 20 jaar SACOPA (South African Championships of Performing Arts) aan, asook 'n skoonheids-kompetisie-afdeling. (In kort, SA's vir die kunste.)

Die amptelike Little Miss Petite South Africa, Little Miss South Africa, Miss Teen South Africa asook Miss Pre-Teen.

AnaQuin bied professionele opleiding aan modelle van alle ouderdomme vir deelname aan kompetisies soos bogenoemde of selfs 'n verdere loopbaan in modelwerk.

Cindy Barendse het in Januarie 2021 aangesluit by Dr Ellen-hulle en die AnaQuin Kathutak begin. Sy is tans besig om die nuwe studio in te rig. Tans is die kias by die Kathu Perdeklub. Hulle bied ook funksies daar aan.

Hulle volg 'n kurrikulum wat opgestel is deur dr Ellen met jare ondervinding in die bedryf plaaslik en internasionaal. Dit dek loopplankopleiding, etiket, kommersieel, selfvertroue, "spokes model" ens.

Hulle doen ook gereeld fotosessies met die modelle waar hulle altyd iets kreatiefs doen. Die modelle geniet dit ongelukkig baie.

In Maart 2021 het Cindy oorgeneem in die

plek van Riana Smidt as die SACOPA provinsiale direkteur vir Noord-Kaap. Die plaaslike AnaQuin-tak bied hierdie jaar die Noord-Kaap-oudisie vir SACOPA aan. Die provinsiale oudisie vind plaas op 5 Junie 2021, en nasionaal SACOPA 2021 op 1 tot 10 Oktober. Dit is oop vir alle solé asook groëpingskrywings in verskillende solo genres dans, drama, sang, instrumenteel en mo-delwerk.

Cindy Barendse het 'n paar modelle wat reeds op 'n jong ouderdom groot opsprak gemaak het en inspirasie is vir die nuwe meisies wat aansluit. Die AnaQuin-modelle het reeds 'n hele paar goue medaljes verower by SA's 2019 en is vir Span SA gekies om aan die Wêreldkampioenskappe deel te neem. (In 2020 met Covid moes hulle ongelukkig eers oorstaan.)

'n Onlangse titel of toekennning wat een van die modelle ontvang het, is Minke Barendse. Sy is in Maart gekroon as naaswenner Little Miss South Africa vir 2021.

Die onlangse fotosessie van AnaQuin-modelle was die tema "Breakfast at Tiffany's". Die sal verskyn in die volgende uitgawe van die PPMC Model Magazine: Minke Barendse, Mckayla Booysen, Nicole Steenberg, Shannon Diergaardt, Charmé van Rool, Sinead Coetzee, Almelize Coetzee en Aishy-Lea Coetzee.



Mckayla Booysen

AnaQuin
FINISHING, MODELLING AND PAGEANT ACADEMY



KURUMAN

MUD Suid-Afrika grimeerkursus

MUD-grimeerkunstenaars (links) Bronwen Hurndall (Mud Makeup Studio Bloemfontein), (middel) Brenda Tambe (MUD Makeup Designory Africa) en Marthie Jans van Rensburg (Beauty Gallery Kuruman).

Beauty Gallery het op 08 April 2021 'n MUD Suid-Afrika grimeerkursus by die Meercup-koffiewinkel aangebied.

Daar was 16 dames wat dit bygewoon het.

Die kursus word daarop gemik om elke dame te help om volgens haar behoeftes korrek te grimeer. 'n Volledige kursus word aangebied, elkeen met hul eie toerusting. Só word hulle gehelp en leiding gegee.

Wonderlike resultate is behaal, elkeen op sy eie manier. Die vooraf-foto's en foto's wat ná die tyd geneem is, vertel die verhaal.

Die blomkroon skop die vrouwees in elkeen. Immanuel Bloemiste het die ruikers verskaf.

Dit was 'n suksesvolle dag vol pret en plesier.



Voor- en ná foto's van Karin van der Walt.

Appendix hiic1-6: Copy of Reply Slip



MYEZO ENVIRONMENTAL MANAGEMENT SERVICES

Environmental Stewardship

NOTIFICATION OF INTERESTED AND AFFECTED PARTIES IN TERMS OF SECTION 41 (2) (A) (B) (C) (D) (E) AND (3) OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT (ACT NO.107 OF 1998) (NEMA): ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS OF 2014, WHICH WERE PUBLISHED IN GOVERNMENT NOTICE (GN) R982 (GOVERNMENT GAZETTE NO. 3822), AS AMENDED IN 2017, UNDER GN R326.

REPLY SLIP TO REGISTER AS AN INTERESTED AND AFFECTED PARTY OR LODGE COMMENTS DURING THE PUBLIC PARTICIPATION PROCESS FOR AN ENVIRONMENTAL AUTHORISATION APPLICATION, IN RESPECT OF THE PROPOSED ACTIVITIES TO BE UNDERTAKEN ON PROSPECTING OF IRON ORE AND MANGANESE ORE ON THE FARMS THORNS 407, DUINE 437, RECORD 411, LOSKOP 414, OATLANDS 406, AND TOWTON 415, LOCATED APPROXIMATELY 50 KM NORTH WEST OF KATHU TOWN, IN THE MAGISTERIAL DISTRICT OF KURUMAN, WITHIN TSANTSABANE LOCAL MUNICIPALITY, NORTHERN CAPE PROVINCE.

APPLICANT: ZASTROCODE (PTY) LTD



Document Name: ZPB-PI-Reply Slip

Document Status: Rev. 1

Date: 03 May 2021

MYEZO REF: ZPB 2021/01

ATTENTION: Ms. Lyn Madziwanzira

Myezo Environmental Management Services (Pty) Ltd

Postnet Suite B 165, Private Bag X18, Lynnwood Ridge, 0040, Pretoria Fax number: 086 543 1689

Email: administrator@myezo.co.za and copy babalwa@myezo.co.za

Enquiry number: 073 894 7282

IAP Comments Slip

Name	Surname	Organisation being represented and address. Note: if you are the landowner/ occupier of land or land user, please do mention that and provide farm name and portion numbers.	
Telephone Number (Please include dialing code)	Fax Number	E-Mail	Mobile/Cellphone number

--	--	--	--

Record your environmental concerns, solutions, comments or suggestions, about the project here (you are welcome to add as many lines as you wish, according to your points of submission or alternatively you are welcome to send your comments as a separate email or letter):

Any particular/specific project alternatives you would rather choose and why:

Interest in the project (disclose any direct business, financial, personal, or other interest, which you have in the approval or refusal of the application).

Signature:

Details of another person whom you think should be consulted

Name and surname	
Address/Farm Name and Portion	
Tel and Fax	

Appendix hiic1-4a: Notification Letter



MYEZO ENVIRONMENTAL MANAGEMENT SERVICES

Environmental Stewardship

Gauteng Head Office:

Boardwalk Lakeside Suites, Phase 2, Bock G Unit No.8
107 Haymeadow street, Faerie Glen, 0080, South Africa
T: +27 (12) 998 7642, F: 086 354 1698, C: 082 772 2418
E: babalwa@myezo.co.za | W: www.myezo.co.za

Dear interested and affected party (IAP),

NOTIFICATION TO INTERESTED AND AFFECTED PARTIES REGARDING THE PUBLIC REVIEW AND COMMENTING PERIOD IN SUPPORT OF AN ENVIRONMENTAL AUTHORISATION APPLICATION (BASIC ASSESSMENT PROCESS) THAT HAS BEEN LODGED IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT (NO. 107 OF 1998) FOR THE PROPOSED PROSPECTING OF IRON ORE AND MANGANESE ORE ON THE FARMS THORNS 407, DUINE 437, RECORD 411, LOSKOP 414, OATLANDS 406, AND TOWTON 415, LOCATED APPROXIMATELY 50 KM NORTH WEST OF KATHU TOWN, IN THE MAGISTERIAL DISTRICT OF KURUMAN, WITHIN TSANTSABANE LOCAL MUNICIPALITY, NORTHERN CAPE PROVINCE.

Document Name: ZPB-PI-Notification Letter

Date: 03 May 2021

MYEZO REF: ZPB 2021/01

Dear Sir/Madam,

This communication hereby serves as a notification, in terms of National Environmental Management Act (Act 107 of 1998) (NEMA): Environmental Impact Assessment Regulations, 2014 GN R982 (2014 EIA Regulations), as amended in 2017 under GN R326, Section 41 (2) (a) (b) (c) (d) (e) and (3) published in GN R982, under Sections 24 (5) and 44 of NEMA, of the proposed activities on Farms Thorns 407, Duine 437, Record 411, Loskop 414, Oatlands 406, and Towton 415, located approximately 50 Km North West of Kathu Town, in the Magisterial District of Kuruman, within Tsantsabane Local Municipality, Northern Cape Province. This notification is also provided in terms of Section 16 (4)(b) of Mineral and Petroleum Resources Development Act (Act 28 of 2002) (MPRDA) and Chapter 6 of GN R. 982 of NEMA.

Project Background Information

Zastrocode (Pty) Ltd submitted a Mineral Prospecting Right and Environmental Authorisation application to the Department of Mineral Resources and Energy, the Competent Authority (CA) for this project. The minerals of interest for prospecting are iron ore and manganese ore, and the area is approximately 20 061,27 hectares in extent. The activities to be undertaken under this planned application which are triggered under NEMA regulations include Listed Activities 20, 22 (i) (ii) and 27 (under Listing Notice 1 - GN R983, as amended in 2017 under GN R 327), therefore, a basic assessment process is being followed for this application.

Non-invasive and invasive (drilling) techniques will be utilised during prospecting. Non-invasive activities will include geological mapping; geological modelling, analysis of in-situ ore materials, and exploration scheduling analysis; and literature review.

Invasive activities will include geological mapping; ground magnetic surveys; Diamond, Air Core, Rotary Air Blast (RAB) or Reverse circulation (RC) drilling of about 40 drill holes of depths ranging from 50 m to 100 m and 100 x 100 m drill spacing; and rehabilitation. Prospecting activities will make use of existing roads as far as possible, however, additional tracks estimated as five (5) km in length as well as 40 drill-pads will be created.

An environmental authorisation (EA) will be required for the activities which should be undertaken in terms of the National Environmental Management Act (Act 107 of 1998) (NEMA, as amended). It is against this background, that we, as Myezo Environmental Management Services (Pty) Ltd (Myezo), have been commissioned to act as Environmental Assessment Practitioners (EAPs) for this project to undertake environmental studies for EA application.

Public Participation / Stakeholder Engagement Process

This communication forms part of the public participation process, which is being undertaken to ensure that the views and concerns of the interested and affected parties (IAPs) are captured and addressed in the basic assessment report.

To date, Myezo has undertaken engagements with the Department of Mineral Resources (DMR), the Competent Authority, and an application for a prospecting right has been lodged with the Department in terms of Section 16 of the NEMA regulations and an application for an environmental authorisation in terms of NEMA was also lodged. Also, the EAP has identified stakeholders for the proposed project and that process culminated into you being identified as an interested and affected parties (IAPs) in this project, hence this notification. In addition, the Draft Basic Assessment Report and other supporting documents have been compiled. In support of the public participation process, a newspaper advertisement was also compiled and was published in Khathu Gazette on 17 April 2021.

Public Review and Commenting

As part of the public participation process, you are also being notified that the Draft Basic Assessment Report (BAR) including the Environmental Management Programme (EMPr) and Specialist Studies Reports are currently available for Public Review. As such, all IAPs are invited to participate in the process. You are being advised to contact us to obtain an electronic copy of the BAR and its supporting documents should you wish to review the documents.

As part of the notification and commenting process, we have attached the following documents for your information:

- i) Copy of the Locality map, showing the location of the project (Appendix 1);
- ii) IAP Registration Form - to be used (optional) to provide comments regarding the proposed project and BAR process (Appendix 2).

All comments concerns and/or issues can be formally submitted, either by fax or email, to the Environmental Assessment Practitioner (EAP) within the commenting period commencing on Monday, 19 April 2021 ending on Wednesday, 02 June 2021 (30-days from date of this notice). This ensures that all responses are incorporated and addressed into the Comments and Response Report, which will form part of the Final Basic Assessment Report.

Environmental Assessment Practitioner Consultant Contact Details:

Company: Myezo Environmental Management Services (Pty) Ltd

Address: Postnet Suite B 165, Private Bag X18, Lynnwood Ridge, 0040, Pretoria

Contact Person: Lyn Madziwanzira

Tel: 073 894 7282 (Please do also send WhatsApp message on the same number and the call will be returned).

Fax: 086 543 1698

Email: administrator@myezo.co.za and copy babalwa@myezo.co.za

Lyn Madziwanzira

From: Lyn Madziwanzira
Sent: Monday, 03 May 2021 23:54
To: Faith
Subject: Zastrocode - Postmasburg - PI - Notification Regarding Proposed Project Activities and Availability of Draft Documents for Public Review
Attachments: Appendix 2 - ZPB-Reply slip_f.pdf; ZPB-Notification Letter_f.pdf; Appendix 1-Project Locality Map.pdf

NOTIFICATION TO INTERESTED AND AFFECTED PARTIES REGARDING THE PUBLIC REVIEW AND COMMENTING PERIOD IN SUPPORT OF AN ENVIRONMENTAL AUTHORISATION APPLICATION (BASIC ASSESSMENT PROCESS) THAT HAS BEEN LODGED IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT (NO. 107 OF 1998) FOR THE PROPOSED PROSPECTING OF IRON ORE AND MANGANESE ORE ON THE FARMS THORNS 407, DUINE 437, RECORD 411, LOSKOP 414, OATLANDS 406, AND TOWTON 415, LOCATED APPROXIMATELY 50 KM NORTH WEST OF KATHU TOWN, IN THE MAGISTERIAL DISTRICT OF KURUMAN, WITHIN TSANTSABANE LOCAL MUNICIPALITY, NORTHERN CAPE PROVINCE.

03 May 2021

Dear interested and affected party (IAP),

This communication hereby serves as a notification, in terms of National Environmental Management Act (Act 107 of 1998) (NEMA): Environmental Impact Assessment Regulations, 2014 GN R982 (2014 EIA Regulations), as amended in 2017 under GN R326, Section 41 (2) (a) (b) (c) (d) (e) and (3) published in GN R982, under Sections 24 (5) and 44 of NEMA, of the proposed activities on Farms Thorns 407, Duine 437, Record 411, Loskop 414, Oatlands 406, and Towton 415, located approximately 50 Km North West of Kathu Town, in the Magisterial District of Kuruman, within Tsantsabane Local Municipality, Northern Cape Province. This notification is also provided in terms of Section 16 (4)(b) of Mineral and Petroleum Resources Development Act (Act 28 of 2002) (MPRDA) and Chapter 6 of GN R. 982 of NEMA. This communication forms part of the public participation process, which is being undertaken to ensure that the views and concerns of the interested and affected parties (IAPs) are captured and addressed in the basic assessment report.

To date, Myezo has undertaken engagements with the Department of Mineral Resources (DMR), the Competent Authority, and an application for a prospecting right has been lodged with the Department in terms of Section 16 of the NEMA regulations and an application for an environmental authorisation in terms of NEMA was also lodged. Also, the EAP has identified stakeholders for the proposed project and that process culminated into you being identified as an interested and affected parties (IAPs) in this project, hence this notification. In addition, the Draft Basic Assessment Report and other supporting documents have been compiled. In support of the public participation process, a newspaper advertisement was also compiled and was published in Khathu Gazette on 17 April 2021.

As part of the public participation process, you are also being notified that the Draft Basic Assessment Report (BAR) including the Environmental Management Programme (EMPr) and Specialist Studies Reports are currently available for Public Review. As such, all IAPs are invited to participate in the process. You are being advised to contact us to obtain an electronic copy of the BAR and its supporting documents should you wish to review the documents.

As part of the notification and commenting process, we have attached the following documents for your information:

- i) Notification Letter
- ii) Copy of the Locality map, showing the location of the project (Appendix 1);
- iii) IAP Registration Form - to be used (optional) to provide comments regarding the proposed project and BAR process (Appendix 2).

All comments concerns and/or issues can be formally submitted, either by fax or email, to the Environmental Assessment Practitioner (EAP) within the commenting period commencing on Monday, 19 April 2021 ending on Wednesday, 02 June 2021 (30-days from date of this notice). This ensures that all

responses are incorporated and addressed into the Comments and Response Report, which will form part of the Final Basic Assessment Report.

Environmental Assessment Practitioner Consultant Contact Details:

Company: Myezo Environmental Management Services (Pty) Ltd

Address: Postnet Suite B 165, Private Bag X18, Lynnwood Ridge, 0040, Pretoria

Contact Person: Lyn Madziwanzira

Tel: 073 894 7282 (Please do also send WhatsApp message on the same number and the call will be returned).

Fax: 086 543 1698

Email: administrator@myezo.co.za and copy babalwa@myezo.co.za

Kind Regards.

Lynn Madziwanzira

Project Administrator

M +27 73 894 7282 | **T** +27 12 998 7642 | **F** + 27 12 998 7641

E administrator@myezo.co.za | www.myezo.co.za | **Facebook page: Myezo Environmental**

#BeSafe #StayHome

<https://www.who.int/emergencies/diseases/novel-coronavirus-2019/advice-for-public>



Appendix hiic1-4b: Notification Email

Appendix hiic1-4b.: Notification Email

Zastrocode - Postmasburg - PI - Notification Regarding Proposed Project Activities and Availability of Draft Documents for Public Review

 Lyn Madziwanzira
To: Faith

Mon 2021/05/03 23:54

Bcc: baizert@dwa.gov.za; nkhumalo@sahra.org.za; drpw-info@ncpg.gov.za; Ndlelenhle.zindela@dmr.gov.za; tumelo.sedupane@dmr.gov.za; ntombi.mayekiso@dmr.gov.za; bfisher@ncpg.gov.za; mckonopin@gmail.com; veronica@zfm-dm.gov.za; admin@zfm-dm.gov.za; mm@tsantsabane.gov.za; mmscr@tsantsabane.gov.za; Dircommserv@tsantsabane.gov.za; mphomashi1a90@gmail.com; aeclaassens@gmail.com; Jonathan.mmoloki@dha.gov.za; advocacy@birdlife.org.za; info@birdlife.org.za; info@afasa.org.za; witbooi2@saps.gov.za; sites@justice.gov.za; admin@kathugazette.co.za

Appendix 2 - ZPB-Reply slip_f.pdf 60 KB
ZPB-Notification Letter_f.pdf 183 KB
Appendix 1-Project Locality Map.pdf 4 MB

NOTIFICATION TO INTERESTED AND AFFECTED PARTIES REGARDING THE PUBLIC REVIEW AND COMMENTING PERIOD IN SUPPORT OF AN ENVIRONMENTAL AUTHORISATION APPLICATION (BASIC ASSESSMENT PROCESS) THAT HAS BEEN LODGED IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT (NO. 107 OF 1998) FOR THE PROPOSED PROSPECTING OF IRON ORE AND MANGANESE ORE ON THE FARMS THORNS 407, DUINE 437, RECORD 411, LOSKOP 414, OATLANDS 406, AND TOWTON 415, LOCATED APPROXIMATELY 50 KM NORTH WEST OF KATHU TOWN, IN THE MAGISTERIAL DISTRICT OF KURUMAN, WITHIN TSANTSABANE LOCAL MUNICIPALITY, NORTHERN CAPE PROVINCE.
03 May 2021

Dear interested and affected party (IAP),

This communication hereby serves as a notification, in terms of National Environmental Management Act (Act 107 of 1998) (NEMA): Environmental Impact Assessment Regulations, 2014 GN R982 (2014 EIA Regulations), as amended in 2017 under GN R328, Section 41 (2) (a) (b) (c) (d) (e) and (3) published in GN R982, under Sections 24 (5) and 44 of NEMA, of the proposed activities on Farms Thorns 407, Duine 437, Record 411, Loskop 414, Oatlands 406, and Towton 415, located approximately 50 Km North West of Kathu Town, in the Magisterial District of Kuruman, within Tsantsabane Local Municipality, Northern Cape Province. This notification is also provided in terms of Section 16 (4)(b) of Mineral and Petroleum Resources Development Act (Act 28 of 2002) (MPRDA) and Chapter 8 of GN R. 982 of NEMA.

This communication forms part of the public participation process, which is being undertaken to ensure that the views and concerns of the Interested and affected parties (IAPs) are captured and addressed in the basic assessment report.

To date, Myezo has undertaken engagements with the Department of Mineral Resources (DMR), the Competent Authority, and an application for a prospecting right has been lodged with the Department in terms of Section 16 of the NEMA regulations and an application for an environmental authorisation in terms of NEMA was also lodged. Also, the EAP has identified stakeholders for the proposed project and that process culminated into you being identified as an Interested and affected parties (IAPs) in this project, hence this notification. In addition, the Draft Basic Assessment Report and other supporting documents have been compiled. In support of the public participation process, a newspaper advertisement was also compiled and was published in Kathu Gazette on 17 April 2021.

As part of the public participation process, you are also being notified that the Draft Basic Assessment Report (BAR) including the Environmental Management Programme (EMPr) and Specialist Studies Reports are currently available for Public Review. As such, all IAPs are invited to participate in the process. You are being advised to contact us to obtain an electronic copy of the BAR and its supporting documents should you wish to review the documents.

Appendix hie1-1b: Comments and Response Proof

Lyn Madziwanzira

From: Lyn Madziwanzira
Sent: Monday, 17 May 2021 19:27
To: Petro Spangenberg
Cc: Babalwa Fatyi
Subject: Prospecting Right Application Zastrocode - DMRE Reference No. NC30/5/1/1/2/12709 PR

Dear Johanna Cornelia Petronella Spangenberg,

We would like to thank you for taking part in this public participation process. Please be advised that you have been registered as an interested and affected parties for the proposed prospecting of iron and manganese on farms Thorns 407, Duine 437, Record 411, Loskop 414, Oatlands 406 and Towton 415, DMRE Reference No. NC30/5/1/1/2/12709 PR.

Please access the project documents from the link below.

Link: https://www.dropbox.com/sh/cg0po4dt1w1yhzz/AAB_TWQhV3lp4RYq5RTy4yXFa?dl=0

Kindly be advised that the public meeting is scheduled for Thursday, 20 May 2021, 14h00 at Winton.

Kind Regards.

Lynn Madziwanzira

Project Administrator

M +27 73 894 7282 | T +27 12 998 7642 | F + 27 12 998 7641

E administrator@myezo.co.za | www.myezo.co.za | Facebook page: Myezo Environmental

#BeSafe #StayHome

<https://www.who.int/emergencies/diseases/novel-coronavirus-2019/advice-for-public>



From: Petro Spangenberg <petrospangenberg@yahoo.com>
Sent: Thursday, 13 May 2021 18:57
To: Lyn Madziwanzira <administrator@myezo.co.za>
Subject: RE: Prospecting in the Winton Area

Hi, see the letter attached

Lyn Madziwanzira

From: Lyn Madziwanzira
Sent: Thursday, 20 May 2021 12:03
To: eben anthonissen
Cc: Babalwa Fatyi
Subject: RE: Prospecting Right Application Zastrocode - DMRE Reference No. NC30/5/1/1/2/12709 PR
Attachments: ZPB-PI-Reply slip_f.pdf

Dear Eben,

We would like to thank you for taking part in this public participation process.

Please be advised that your organisation has been registered as an interested and affected parties for the proposed prospecting of iron and manganese on farms Thorns 407, Duine 437, Record 411, Loskop 414, Oatlands 406 and Towton 415, DMRE Reference No. NC30/5/1/1/2/12709 PR.

Please be advised that we are still undertaken the public participation process in support of an environmental authorisation process, thus, an EA has not been granted. Please note that the commenting period is ending on 21 May 2021.

Please access the project documents from the link below. Also attached is a reply slip that you conveniently use to lodge environmental based comments you have on the proposed project.

Link: https://www.dropbox.com/sh/cg0po4dt1w1yhzz/AAB_TWQhV3lp4RYg5RTy4yXFfa?dl=0

You are most welcome to attend the public meeting, scheduled for this afternoon, 14h00 at Winton.

Meet you there.

Kind Regards,

Lynn Madziwanzira

Project Administrator

M +27 73 894 7282 | T +27 12 998 7642 | F + 27 12 998 7641

E administrator@myezo.co.za | www.myezo.co.za | Facebook page: Myezo Environmental

#BeSafe #StayHome

<https://www.who.int/emergencies/diseases/novel-coronavirus-2019/advice-for-public>



From: eben anthonissen <ebenanthonissen@hotmail.com>
Sent: Thursday, 20 May 2021 11:49
To: Lyn Madziwanzira <administrator@myezo.co.za>
Subject: Re: Prospecting Right Application Zastrocode - DMRE Reference No. NC30/5/1/1/2/12709 PR - Attention Nico

Good afternoon Lyn,

I understand there is a PPP being followed and would like to attend the meeting this afternoon on behalf of Agri Kuruman.

Winton Boerevereniging is affiliated with Agri Kuruman, amongst various other local agricultural associations, and we address matters that might have a detrimental impact on sustainable food security.

Can you please be so kind as to forward me the BID, the BAR, and EA (if granted) and any other relevant information relevant to the project.

I trust you find this in order

Best regards

Eben Anthonissen
Agri Kuruman - Env. Comm.
073 163 4665

From: Lyn Madziwanzira <administrator@myezo.co.za>
Sent: Thursday, 20 May 2021 09:38
To: Winton Boerevereniging <wintonbv@gmail.com>
Cc: nico.smit4@gmail.com <nico.smit4@gmail.com>; lynetteb@masdt.co.za <lynetteb@masdt.co.za>; Babalwa Fatyi <Babalwa@myezo.co.za>; ebenanthonissen@hotmail.com <ebenanthonissen@hotmail.com>; Faith <faith@myezo.co.za>
Subject: RE: Prospecting Right Application Zastrocode - DMRE Reference No. NC30/5/1/1/2/12709 PR - Attention Nico

Dear Suré,

Thanks for the confirmation. My colleague, Ronald, will contact you soon.

Kind Regards.

Lynn Madziwanzira
Project Administrator
M +27 73 894 7282 | T +27 12 998 7642 | F + 27 12 998 7641
E administrator@myezo.co.za | www.myezo.co.za | Facebook page: Myezo Environmental

#BeSafe #StayHome

<https://www.who.int/emergencies/diseases/novel-coronavirus-2019/advice-for-public>



From: Winton Boerevereniging <wintonbv@gmail.com>

Sent: Thursday, 20 May 2021 08:33

To: Lyn Madziwanzira <administrator@myezo.co.za>

Cc: nico.smit4@gmail.com; lynetteb@masdt.co.za; Babalwa Fatyi <Babalwa@myezo.co.za>; ebanantonissen@hotmail.com; Faith <faith@myezo.co.za>

Subject: RE: Prospecting Right Application Zastrocode - DMRE Reference No. NC30/5/1/1/2/12709 PR - Attention Nico

Hi Lyn

I guess the meeting attendees will be around 10 people.

We will supply the refreshments.

Thank you

Suré

From: Lyn Madziwanzira <administrator@myezo.co.za>

Sent: Wednesday, 19 May 2021 7:51 AM

To: Winton Boerevereniging <wintonbv@gmail.com>

Cc: nico.smit4@gmail.com; lynetteb@masdt.co.za; Babalwa Fatyi <Babalwa@myezo.co.za>; ebanantonissen@hotmail.com; Faith <faith@myezo.co.za>

Subject: RE: Prospecting Right Application Zastrocode - DMRE Reference No. NC30/5/1/1/2/12709 PR - Attention Nico

Good morning Nico,

Myezo Environmental Management Services (Pty) Ltd hereby accept the quote.

May you please provide us with the total number of delegates we are expecting?

Also, kindly provide us with a quotation for refreshments offered at your facilities.

Kind Regards,

Lynn Madziwanzira

Project Administrator

M +27 73 894 7282 | T +27 12 998 7642 | F + 27 12 998 7641

E administrator@myezo.co.za | www.myezo.co.za | Facebook page: Myezo Environmental

#BeSafe #StayHome

<https://www.who.int/emergencies/diseases/novel-coronavirus-2019/advice-for-public>



From: Winton Boerevereniging <wintonbv@gmail.com>

Sent: Tuesday, 18 May 2021 06:41

To: Lyn Madziwanzira <administrator@myezo.co.za>

Cc: nico.smit4@gmail.com; lynetteb@masdt.co.za; Babalwa Fatyi <Babalwa@myezo.co.za>; ebenanthonissen@hotmail.com

Subject: RE: Prospecting Right Application Zastrocode - DMRE Reference No. NC30/5/1/1/2/12709 PR - Attention Nico

Thank you Lynn. The meeting is thus confirmed.

The venue hire is usually R5000 per day. But because this meeting is important and won't last the whole day, there is a 50% discount. See attached the invoice.

Please let me know if you need any directions?

Kind regards
Suré

From: Lyn Madziwanzira <administrator@myezo.co.za>

Sent: Monday, 17 May 2021 7:30 PM

To: Winton Boerevereniging <wintonbv@gmail.com>

Cc: nico.smit4@gmail.com; lynetteb@masdt.co.za; Babalwa Fatyi <Babalwa@myezo.co.za>

Subject: RE: Prospecting Right Application Zastrocode - DMRE Reference No. NC30/5/1/1/2/12709 PR - Attention Nico

Dear Nico,

We hereby confirm our availability for the meeting on Thursday, 20 May at 14:00 at Winton.

Kind Regards,

Lynn Madziwanzira

Project Administrator

M +27 73 894 7282 | **T** +27 12 998 7642 | **F** + 27 12 998 7641

E administrator@myezo.co.za | www.myezo.co.za | **Facebook page: Myezo Environmental**

#BeSafe #StayHome

<https://www.who.int/emergencies/diseases/novel-coronavirus-2019/advice-for-public>



From: Winton Boerevereniging <wintonbv@gmail.com>

Sent: Monday, 17 May 2021 14:30

To: Lyn Madziwanzira <administrator@myezo.co.za>

Cc: nico.smit4@gmail.com; lynetteb@masdt.co.za; Babalwa Fatyi <Babalwa@myezo.co.za>

Subject: RE: Prospecting Right Application Zastrocode - DMRE Reference No. NC30/5/1/1/2/12709 PR - Attention Nico

Dear Lyn

Thank you for your email. Please accept my apology for not getting back to you on time. There must have been something wrong with the delivery of my emails as all the mails only came through this morning even though I check mail last week Friday.

Can you meet on Thursday, 20 May at 14:00 at Winton. That seems to be a date and time that suits most of the affected parties. Please advise your availability.

Kind regards

Suré

From: Lyn Madziwanzira <administrator@myezo.co.za>

Sent: Thursday, 13 May 2021 11:16 AM

To: wintonbv@gmail.com

Cc: nico.smit4@gmail.com; lynetteb@masdt.co.za; Babalwa Fatyi <Babalwa@myezo.co.za>

Subject: RE: Prospecting Right Application Zastrocode - DMRE Reference No. NC30/5/1/1/2/12709 PR - Attention Nico

Good day Suré and Nico,

Hope you are well.

This is a kind follow-up on the request for a meeting and confirmation of meeting dates, email sent on 11 May 2021.

Please note that we also tried to confirm telephonically and had unfortunately not been able to reach Mr Nico Smit and were directed to a voicemail.

Hope to hear from you soon.

Kind Regards,

Lynn Madziwanzira

Project Administrator

M +27 73 894 7282 | T +27 12 998 7642 | F +27 12 998 7641

E administrator@myezo.co.za | www.myezo.co.za | Facebook page: Myezo Environmental

#BeSafe #StayHome

<https://www.who.int/emergencies/diseases/novel-coronavirus-2019/advice-for-public>



From: Lyn Madziwanzira

Sent: Tuesday, 11 May 2021 16:28

To: wintonbv@gmail.com

Cc: nico.smit4@gmail.com; lynetteb@masdt.co.za; Babalwa Fatyi <Babalwa@myezo.co.za>

Subject: RE: Prospecting Right Application Zastrocode - DMRE Reference No. NC30/5/1/1/2/12709 PR

Dear Suré Duvenhage

We would like to thank you for taking part in this public participation process. Please be advised that Winton Farmer's Association has been registered an interested and affected parties for the proposed prospecting of iron and manganese on farms Thorns 407, Duine 437, Record 411, Loskop 414, Oatlands 406 and Towton 415, DMRE Reference No. NC30/5/1/1/2/12709 PR.

Following my discussion with Nico Smit, regarding the public meeting, we are proposing that we have a meeting between Thursday, 13 May, Friday, 14 May, Monday, 17 May and Tuesday, 18 May 2021. May you please confirm and advise on a date that is suitable for you.

Kind Regards,

Lynn Madziwanzira

Project Administrator

M +27 73 894 7282 | T +27 12 998 7642 | F +27 12 998 7641

E administrator@myezo.co.za | www.myezo.co.za | Facebook page: Myezo Environmental

#BeSafe #StayHome

<https://www.who.int/emergencies/diseases/novel-coronavirus-2019/advice-for-public>



From: Winton Boerevereniging <wintonbv@gmail.com>
Sent: Monday, 10 May 2021 13:06
To: Lyn Madziwanzira <administrator@myezo.co.za>
Cc: nico.smit4@gmail.com; 'lynetteb' <lynetteb@masdt.co.za>
Subject: Prospecting Right Application Zastracode

Hi Lyn

Find attached the registration letter request for the prospecting right application for Zastracode on farms: Thorns 407, Duine 437, Record 411, Loskop 414, Oatlands 406 and Towton 415. No reference nr available.

Trust you find it in order.

Kind regards

Suré Duvenhage
Secretary
Winton Boerevereniging

On behalf of:

Nico Smit
Chairman
Winton Boerevereniging

Lyn Madziwanzira

From: Lyn Madziwanzira
Sent: Wednesday, 19 May 2021 07:42
To: Fred Viljoen
Cc: Babalwa Fatyi
Subject: Prospecting Right Application Zastrocode - DMRE Reference No. NC30/5/1/1/2/12709 PR

Dear Fred Viljoen

We would like to thank you for taking part in this public participation process. Please be advised that you have been registered as an interested and affected parties for the proposed prospecting of iron and manganese on farms Thorns 407, Duine 437, Record 411, Loskop 414, Oatlands 406 and Towton 415, DMRE Reference No. NC30/5/1/1/2/12709 PR.

Please access the project documents from the link below.

Link: https://www.dropbox.com/sh/cq0po4dt1w1vhzz/AAB_TWQhV3lp4RYq5RTy4yXFfa?dl=0

Kindly be advised that the public meeting is scheduled for Thursday, 20 May 2021, 14h00 at Winton.

Kind Regards,

Lynn Madziwanzira
Project Administrator
M +27 73 894 7282 | T +27 12 998 7642 | F + 27 12 998 7641
E administrator@myezo.co.za | www.myezo.co.za | Facebook page: Myezo Environmental

#BeSafe #StayHome

<https://www.who.int/emergencies/diseases/novel-coronavirus-2019/advice-for-public>



From: Fred Viljoen <fredviljoen56@gmail.com>
Sent: Wednesday, 19 May 2021 06:48
To: Lyn Madziwanzira <administrator@myezo.co.za>
Subject: Prospect Application

Good day Zastracode

Trust this email finds you well.

I, Johannes Frederik Viljoen, owner of Portion 3 of the farm Bishop's Wood 476 is registering as an affected and interested party for the prospecting right application with reference nr ?.

Please forward me all relevant documentation to date on this application. Also please advise the date of the public participation meeting.

Please confirm receipt of this email.

Kind regards
Fred Viljoen
Tel nr 083 304 1144

Lyn Madziwanzira

From: Lyn Madziwanzira
Sent: Monday, 17 May 2021 19:21
To: Henry Williams
Cc: Babalwa Fatyi
Subject: Prospecting Right Application Zastrocode - DMRE Reference No. NC30/5/1/1/2/12709 PR

Dear Henry Williams,

We would like to thank you for taking part in this public participation process. Please be advised that you have been registered as an interested and affected parties for the proposed prospecting of iron and manganese on farms Thorns 407, Duine 437, Record 411, Loskop 414, Oatlands 406 and Towton 415, DMRE Reference No. NC30/5/1/1/2/12709 PR.

Please access the project documents from the link below.

Link: https://www.dropbox.com/sh/cg0po4dt1w1yhzz/AAB_TWQhV3lp4RYq5RTy4yXFa?dl=0

Also, be advised that the public meeting is scheduled for Thursday, 20 May 2021, 14h00 at Winton.

Kind Regards,

Lynn Madziwanzira
Project Administrator
M +27 73 894 7282 | T +27 12 998 7642 | F + 27 12 998 7641
E administrator@myezo.co.za | www.myezo.co.za | Facebook page: Myezo Environmental

#BeSafe #StayHome
<https://www.who.int/emergencies/diseases/novel-coronavirus-2019/advice-for-public>



From: Henry Williams <towtonbonsmaras@gmail.com>
Sent: Monday, 17 May 2021 19:02
To: Lyn Madziwanzira <administrator@myezo.co.za>
Subject: FW:

Good Day Lyn Madziwanzira

Trust this email finds you well.

I, [C.H.Williams](#) owner of [Barton 403](#) and [Oatlands 406](#) is registering as an affected and interested party for the prospecting right application with reference nr [Zastracode](#).

Please forward me all relevant documentation to date on this application. Also please advise the date of the public participation meeting.

Please confirm receipt of this email.

Kind regards

[Henry Williams](#)
083 3179861

Lyn Madziwanzira

From: Lyn Madziwanzira
Sent: Wednesday, 19 May 2021 07:46
To: Lynette Bezuidenhout
Cc: Babalwa Fatyi
Subject: RE: Prospecting Right Application Zastrocode - DMRE Reference No. NC30/5/1/1/2/12709 PR
Attachments: ZPB-PI-Reply slip_f.pdf

Dear Lynette,

We would like to thank you for taking part in this public participation process.

Please be advised that you have been registered as an interested and affected parties for the proposed prospecting of iron and manganese on farms Thorns 407, Duine 437, Record 411, Loskop 414, Oatlands 406 and Towton 415, DMRE Reference No. NC30/5/1/1/2/12709 PR.

Please access the project documents from the link below. Also attached is a reply slip that you conveniently use to lodge environmental based comments you have on the proposed project.

Link: https://www.dropbox.com/sh/cg0po4dt1w1yhzz/AAB_TWQhV3lp4RYq5RTy4yXF?dl=0

In addition, please be advised that the public meeting is scheduled for Thursday, 20 May 2021, 14h00 at Winton.

Kind Regards,

Lynn Madziwanzira
Project Administrator
M +27 73 894 7282 | T +27 12 998 7642 | F + 27 12 998 7641
E administrator@myezo.co.za | www.myezo.co.za | Facebook page: Myezo Environmental

#BeSafe #StayHome

<https://www.who.int/emergencies/diseases/novel-coronavirus-2019/advice-for-public>



From: Lynette Bezuidenhout <Lynetteb@masdt.co.za>
Sent: Tuesday, 18 May 2021 12:22
To: Lyn Madziwanzira <administrator@myezo.co.za>
Subject: Prospecting Right Application Zastrocode - DMRE Reference No. NC30/5/1/1/2/12709 PR
Importance: High

Good day,

Please note that we would like register as an interested and affected party for the proposed prospecting of iron and manganese on farms Thorns 407, Duine 437, Record 411, Loskop 414, Oatlands 406 and Towton 415, DMRE Reference No. NC30/5/1/1/2/12709 PR.

Please include us in all correspondence and documentation?

Thank you.

Nico and Lynette Smit
Farm Smuts, Hotazel area



It is not the food you eat, it is the mood you feed.

Lyn Madziwanzira

From: Lyn Madziwanzira
Sent: Tuesday, 11 May 2021 16:28
To: wintonbv@gmail.com
Cc: nico.smit4@gmail.com; lynetteb@masdt.co.za; Babalwa Fatyi
Subject: RE: Prospecting Right Application Zastrocode - DMRE Reference No. NC30/5/1/1/2/12709 PR

Dear Suré Duvenhage

We would like to thank you for taking part in this public participation process. Please be advised that Winton Farmer's Association has been registered an interested and affected parties for the proposed prospecting of iron and manganese on farms Thorns 407, Duine 437, Record 411, Loskop 414, Oatiands 406 and Towton 415, DMRE Reference No. NC30/5/1/1/2/12709 PR.

Following my discussion with Nico Smit, regarding the public meeting, we are proposing that we have a meeting between Thursday, 13 May, Friday, 14 May, Monday, 17 May and Tuesday, 18 May 2021. May you please confirm and advise on a date that is suitable for you.

Kind Regards.

Lynn Madziwanzira

Project Administrator

M +27 73 894 7282 | T +27 12 998 7642 | F + 27 12 998 7641

E administrator@myezo.co.za | www.myezo.co.za | Facebook page: Myezo Environmental

#BeSafe #StayHome

<https://www.who.int/emergencies/diseases/novel-coronavirus-2019/advice-for-public>



From: Winton Boerevereniging <wintonbv@gmail.com>
Sent: Monday, 10 May 2021 13:06
To: Lyn Madziwanzira <administrator@myezo.co.za>
Cc: nico.smit4@gmail.com; 'lynetteb' <lynetteb@masdt.co.za>
Subject: Prospecting Right Application Zastracode

Hi Lyn

Find attached the registration letter request for the prospecting right application for Zastracode on farms: Thorns 407, Duine 437, Record 411, Loskop 414, Oatlands 406 and Towton 415. No reference nr available.

Trust you find it in order.

Kind regards

Suré Duvenhage
Secretary
Winton Boerevereniging

On behalf of:

Nico Smit
Chairman
Winton Boerevereniging

Lyn Madziwanzira

From: Lyn Madziwanzira
Sent: Thursday, 20 May 2021 19:31
To: RP Peens
Cc: luzell.vanderwalt@yahoo.com; Babalwa Fatyi
Subject: RE: Zastrocode (PTY) LTD Registration - IZAK KRUGER - DMRE Reference No. NC30/5/1/1/2/12709 PR.

Good day Sir,
Thank you for taking part in this public participation process.

Ki Please be advised that you have been registered as an interested and affected parties for the proposed prospecting of iron and manganese on farms Thorns 407, Duine 437, Record 411, Loskop 414, Oatiands 406 and Towton 415, DMRE Reference No. NC30/5/1/1/2/12709 PR.

Please access the project documents from the link below. A detailed response, to submitted comments, will be sent to you.

Link: https://www.dropbox.com/sh/cg0po4dt1w1yhzz/AAB_TWQhV3lp4RYq5RTv4yXFfa?dl=0

Kind Regards,

Lynn Madziwanzira
Project Administrator
M +27 73 894 7282 | T +27 12 998 7642 | F + 27 12 998 7641
E administrator@myezo.co.za | www.myezo.co.za | Facebook page: Myezo Environmental

#BeSafe #StayHome
<https://www.who.int/emergencies/diseases/novel-coronavirus-2019/advice-for-public>



From: RP Peens <rppeens@gmail.com>
Sent: Thursday, 20 May 2021 13:49
To: Lyn Madziwanzira <administrator@myezo.co.za>
Cc: luzell.vanderwalt@yahoo.com
Subject: Zastrocode (PTY) LTD Registration - IZAK KRUGER

To whom it may concern,

Please find attached letter for registration as interested and affected party as per your site notice dated 19 April 2021 for the Zastrocode (PTY) LTD project.

Kindly confirm receipt and proof of registration as soon as possible.

Kind regards,
Izak Kruger

Lyn Madziwanzira

From: Lyn Madziwanzira
Sent: Thursday, 20 May 2021 19:37
To: 'RP Peens'
Cc: jfkalp7@gmail.com; Babalwa Fatyi
Subject: RE: Zastrocode (PTY) LTD Registration - JFL KALP -, DMRE Reference No. NC30/5/1/1/2/12709 PR.

Good day Johan Kalp,

Thank you for taking part in this public participation process.

Please be advised that you have been registered as an interested and affected parties for the proposed prospecting of iron and manganese on farms Thorns 407, Duine 437, Record 411, Loskop 414, Oatlands 406 and Towton 415, DMRE Reference No. NC30/5/1/1/2/12709 PR.

Please access the project documents from the link below. A detailed response, to submitted comments, will be sent to you.

Link: https://www.dropbox.com/sh/cg0po4dt1w1vhzz/AAB_TWQhV3lp4RYq5RTy4yXFfa?dl=0

Kind Regards,

Lynn Madziwanzira
Project Administrator
M +27 73 894 7282 | T +27 12 998 7642 | F + 27 12 998 7641
E administrator@myezo.co.za | www.myezo.co.za | Facebook page: Myezo Environmental

#BeSafe #StayHome
<https://www.who.int/emergencies/diseases/novel-coronavirus-2019/advice-for-public>



From: RP Peens <rppeens@gmail.com>
Sent: Thursday, 20 May 2021 13:51
To: Lyn Madziwanzira <administrator@myezo.co.za>
Cc: jfkalp7@gmail.com
Subject: Zastrocode (PTY) LTD Registration - JFL KALP

To whom it may concern,

Please find attached letter for registration as interested and affected party as per your site notice dated 19 April 2021 for the Zastrocode (PTY) LTD project.

Kindly confirm receipt and proof of registration as soon as possible.

Kind regards,
Johan Kalp

Good day Mr/Ms Myezo Environmental Management service, on behalf of Zastracode

REGISTERING AS AFFECTED PARTY

Trust this email finds you well.

I, Johanna Cornelia Petronella Spangenberg, owner of Bullamon 398 is registering as an affected and interested party for the prospecting right application with reference nr Not Available.

Please forward me all relevant documentation to date on this application. Also please advise the date of the public participation meeting.

Please confirm receipt of this email.

Kind regards

Petro Spangenberg
083 557 2365
Email petrospangenberg@yahoo.com

Lyn Madziwanzira

From: Lyn Madziwanzira
Sent: Thursday, 20 May 2021 09:38
To: Winton Boerevereniging
Cc: nico.smit4@gmail.com; lynetteb@masdt.co.za; Babalwa Fatyi; ebenanthonissen@hotmail.com; Faith
Subject: RE: Prospecting Right Application Zastrocode - DMRE Reference No. NC30/5/1/1/2/12709 PR - Attention Nico

Dear Suré,

Thanks for the confirmation. My colleague, Ronald, will contact you soon.

Kind Regards,

Lynn Madziwanzira

Project Administrator

M +27 73 894 7282 | **T** +27 12 998 7642 | **F** + 27 12 998 7641

E administrator@myezo.co.za | www.myezo.co.za | Facebook page: **Myezo Environmental**

#BeSafe #StayHome

<https://www.who.int/emergencies/diseases/novel-coronavirus-2019/advice-for-public>



From: Winton Boerevereniging <wintonbv@gmail.com>

Sent: Thursday, 20 May 2021 08:33

To: Lyn Madziwanzira <administrator@myezo.co.za>

Cc: nico.smit4@gmail.com; lynetteb@masdt.co.za; Babalwa Fatyi <Babalwa@myezo.co.za>; ebenanthonissen@hotmail.com; Faith <faith@myezo.co.za>

Subject: RE: Prospecting Right Application Zastrocode - DMRE Reference No. NC30/5/1/1/2/12709 PR - Attention Nico

Hi Lyn

I guess the meeting attendees will be around 10 people.

We will supply the refreshments.

Thank you

Suré

From: Lyn Madziwanzira <administrator@myezo.co.za>
Sent: Wednesday, 19 May 2021 7:51 AM
To: Winton Boerevereniging <wintonbv@gmail.com>
Cc: nico.smit4@gmail.com; lynetteb@masdt.co.za; Babalwa Fatyi <Babalwa@myezo.co.za>; ebenanthonissen@hotmail.com; Faith <faith@myezo.co.za>
Subject: RE: Prospecting Right Application Zastrocode - DMRE Reference No. NC30/5/1/1/2/12709 PR - Attention Nico

Good morning Nico,

Myezo Environmental Management Services (Pty) Ltd hereby accept the quote.

May you please provide us with the total number of delegates we are expecting?

Also, kindly provide us with a quotation for refreshments offered at your facilities.

Kind Regards.

Lynn Madziwanzira
Project Administrator
M +27 73 894 7282 | T +27 12 998 7642 | F + 27 12 998 7641
E administrator@myezo.co.za | www.myezo.co.za | Facebook page: Myezo Environmental

#BeSafe #StayHome

<https://www.who.int/emergencies/diseases/novel-coronavirus-2019/advice-for-public>



From: Winton Boerevereniging <wintonbv@gmail.com>
Sent: Tuesday, 18 May 2021 06:41
To: Lyn Madziwanzira <administrator@myezo.co.za>
Cc: nico.smit4@gmail.com; lynetteb@masdt.co.za; Babalwa Fatyi <Babalwa@myezo.co.za>; ebenanthonissen@hotmail.com
Subject: RE: Prospecting Right Application Zastrocode - DMRE Reference No. NC30/5/1/1/2/12709 PR - Attention Nico

Thank you Lynn. The meeting is thus confirmed.

The venue hire is usually R5000 per day. But because this meeting is important and won't last the whole day, there is a 50% discount. See attached the invoice.

Please let me know if you need any directions?

Kind regards
Suré

From: Lyn Madziwanzira <administrator@myezo.co.za>
Sent: Monday, 17 May 2021 7:30 PM
To: Winton Boerevereniging <wintonbv@gmail.com>
Cc: nico.smit4@gmail.com; lynetteb@masdt.co.za; Babalwa Fatyi <Babalwa@myezo.co.za>
Subject: RE: Prospecting Right Application Zastrocode - DMRE Reference No. NC30/5/1/1/2/12709 PR - Attention Nico

Dear Nico,

We hereby confirm our availability for the meeting on Thursday, 20 May at 14:00 at Winton.

Kind Regards.

Lynn Madziwanzira
Project Administrator
M +27 73 894 7282 | T +27 12 998 7642 | F + 27 12 998 7641
E administrator@myezo.co.za | www.myezo.co.za | Facebook page: Myezo Environmental

#BeSafe #StayHome
<https://www.who.int/emergencies/diseases/novel-coronavirus-2019/advice-for-public>



From: Winton Boerevereniging <wintonbv@gmail.com>
Sent: Monday, 17 May 2021 14:30
To: Lyn Madziwanzira <administrator@myezo.co.za>
Cc: nico.smit4@gmail.com; lynetteb@masdt.co.za; Babalwa Fatyi <Babalwa@myezo.co.za>
Subject: RE: Prospecting Right Application Zastrocode - DMRE Reference No. NC30/5/1/1/2/12709 PR - Attention Nico

Dear Lyn

Thank you for your email. Please accept my apology for not getting back to you on time. There must have been something wrong with the delivery of my emails as all the mails only came through this morning even though I check mail last week Friday.

Can you meet on Thursday, 20 May at 14:00 at Winton. That seems to be a date and time that suits most of the affected parties. Please advise your availability.

Kind regards

Suré

From: Lyn Madziwanzira <administrator@myezo.co.za>

Sent: Thursday, 13 May 2021 11:16 AM

To: wintonbv@gmail.com

Cc: nico.smit4@gmail.com; lynetteb@masdt.co.za; Babalwa Fatyi <Babalwa@myezo.co.za>

Subject: RE: Prospecting Right Application Zastrocode - DMRE Reference No. NC30/5/1/1/2/12709 PR - Attention Nico

Good day Suré and Nico,

Hope you are well.

This is a kind follow-up on the request for a meeting and confirmation of meeting dates, email sent on 11 May 2021.

Please note that we also tried to confirm telephonically and had unfortunately not been able to reach Mr Nico Smit and were directed to a voicemail.

Hope to hear from you soon.

Kind Regards.

Lynn Madziwanzira

Project Administrator

M +27 73 894 7282 | **T** +27 12 998 7642 | **F** + 27 12 998 7641

E administrator@myezo.co.za | www.myezo.co.za | Facebook page: Myezo Environmental

#BeSafe #StayHome

<https://www.who.int/emergencies/diseases/novel-coronavirus-2019/advice-for-public>



From: Lyn Madziwanzira

Sent: Tuesday, 11 May 2021 16:28

To: wintonbv@gmail.com

Cc: nico.smit4@gmail.com; lynetteb@masdt.co.za; Babalwa Fatyi <Babalwa@myezo.co.za>

Subject: RE: Prospecting Right Application Zastrocode - DMRE Reference No. NC30/5/1/1/2/12709 PR

Dear Suré Duvenhage

We would like to thank you for taking part in this public participation process. Please be advised that Winton Farmer's Association has been registered an interested and affected parties for the proposed prospecting of iron and manganese on farms Thorns 407, Duine 437, Record 411, Loskop 414, Oatlands 406 and Towton 415, DMRE Reference No. NC30/5/1/1/2/12709 PR.

Following my discussion with Nico Smit, regarding the public meeting, we are proposing that we have a meeting between Thursday, 13 May, Friday, 14 May, Monday, 17 May and Tuesday, 18 May 2021. May you please confirm and advise on a date that is suitable for you.

Kind Regards.

Lynn Madziwanzira

Project Administrator

M +27 73 894 7282 | T +27 12 998 7642 | F + 27 12 998 7641

E administrator@myezo.co.za | www.myezo.co.za | Facebook page: Myezo Environmental

#BeSafe #StayHome

<https://www.who.int/emergencies/diseases/novel-coronavirus-2019/advice-for-public>



From: Winton Boerevereniging <wintonbv@gmail.com>

Sent: Monday, 10 May 2021 13:06

To: Lyn Madziwanzira <administrator@myezo.co.za>

Cc: nico.smit4@gmail.com; 'lynetteb' <lynetteb@masdt.co.za>

Subject: Prospecting Right Application Zastracode

Hi Lyn

Find attached the registration letter request for the prospecting right application for Zastracode on farms: Thorns 407, Duine 437, Record 411, Loskop 414, Oatlands 406 and Towton 415. No reference nr available.

Trust you find it in order.

Kind regards

Suré Duvenhage
Secretary
Winton Boerevereniging

On behalf of:

Nico Smit
Chairman
Winton Boerevereniging

Lyn Madziwanzira

From: Lyn Madziwanzira
Sent: Friday, 07 May 2021 11:17
To: SW Rossouw; wintonbv@gmail.com
Cc: Babalwa Fatyi
Subject: RE: Prospecting farm Thorns 407 - Link to the Draft BAR and EMPr

Good day Sir,

A Dropbox link to the project documents was shared on 29 April 2021. The link is also shared herein for ease of reference.

Kindly confirm if have you managed to access the documents.

Dropbox link: https://www.dropbox.com/sh/cg0po4dt1w1yhzz/AAB_TWQhV3lp4RYq5RTy4yXFfa?dl=0

Please feel free to contact me should you face any challenges in accessing the documents or need clarification.

Kind Regards,

Lynn Madziwanzira
Project Administrator
M +27 73 894 7282 | T +27 12 998 7642 | F + 27 12 998 7641
E administrator@myezo.co.za | www.myezo.co.za | Facebook page: Myezo Environmental

#BeSafe #StayHome

<https://www.who.int/emergencies/diseases/novel-coronavirus-2019/advice-for-public>



From: SW Rossouw <swrossouw1@gmail.com>
Sent: Friday, 07 May 2021 09:12
To: Lyn Madziwanzira <administrator@myezo.co.za>
Subject: Re: Prospecting farm Thorns 407 - Link to the Draft BAR and EMPr

Hi Lyn

As communicated previously, I'm the owner of farm Thorns.

Please send any further communication to my Farmers Association. Here is the mail adress: wintonbv@gmail.com

Thank you

On Thu, 29 Apr 2021, 17:44 Lyn Madziwanzira, <administrator@myezo.co.za> wrote:

Please review.

Good day Sir,

Kindly receive a Dropbox link to the Project documents. Loaded are the following draft documents:

1. Socio-economic Impact Assessment Report; and
2. Environmental Management Programme.

Please note that I am having errors loading the Draft BAR and supporting appendices, I will notify you once I am successful.

Dropbox link: https://www.dropbox.com/sh/cg0po4dt1w1yhzz/AAB_TWQhV3lp4RYq5RTy4yXFfa?dl=0

Kind Regards,

Lynn Madziwanzira

Project Administrator

M +27 73 894 7282 | T +27 12 998 7642 | F + 27 12 998 7641

E administrator@myezo.co.za | www.myezo.co.za | Facebook page: Myezo Environmental

#BeSafe #StayHome

<https://www.who.int/emergencies/diseases/novel-coronavirus-2019/advice-for-public>



From: SW Rossouw <swrossouw1@gmail.com>
Sent: Wednesday, 28 April 2021 12:21
To: Lyn Madziwanzira <administrator@myezo.co.za>
Subject: Re: Propestecting farm Thorns 407

Morning

Please send with dropbox.

Thank you

On Thu, 22 Apr 2021, 10:46 Lyn Madziwanzira, <administrator@myezo.co.za> wrote:

Good day,

Thank you for getting in touch.

The project documents are relatively big, thus, we will share a link from which you will access electronic (soft) copies of the documents.

Documents can be shared via WeTransfer or Dropbox. Please advise us on the best option, between Dropbox and WeTransfer, that is appropriate and the documents will be shared.

Kind Regards,

Lynn Madziwanzira

Project Administrator

M +27 73 894 7282 | T +27 12 998 7642 | F + 27 12 998 7641

E administrator@myezo.co.za | www.myezo.co.za | Facebook page: Myezo Environmental

#BeSafe #StayHome

<https://www.who.int/emergencies/diseases/novel-coronavirus-2019/advice-for-public>

From: SW Rossouw <swrossouw1@gmail.com>
Sent: Wednesday, 21 April 2021 13:18
To: Lyn Madziwanzira <administrator@myezo.co.za>
Subject: Propesteacting farm Thorns 407

Good day. Im the owner of the farm Thorns. Can you please send me the BAR and supporting documents to this email. swrossouw1@gmail.com

Thank you

19 May 2021

To whom it may concern,

This letter serves to provide notice for registering as an interested and affected party as per your site notice dated 19 April 2021. The relevant project owner is stated as Zastrocode (PTY) LTD.

I Izak Jacobus Kruger, ID: 3107125014084, trustee in the Record Familie Trust which owns the farm Record 411 would hereby like to register as interested and affected party. I am also the lawful occupant of the farm Record.

As per the site notice I would like to raise the following issues and concerns regarding the project:

1. Safety: I am an elderly man living alone on the farm. How will the project influence my safety?
2. Roads: The farm is a remote location, not served by local government services. During and after the proposed project, will the project owners do any maintenance to the roads?
3. Water: What will the impact of the project be on the underground water supply?
4. Losses: Who will be accountable for any material losses caused by the project to my property?
5. Use of land: What impact will this project have on my farming activities on the land concerned?
6. Access to farms: Who will be the contact person for access to the farm as all gates are locked?

Please forward me all relevant documentation and advice on the date of any public participation meetings.

Kind regards and I look forward to your response,

Izak Kruger

I can be contacted on 083 457 8136 or via email at rppeens@gmail.com

19 May 2021

To whom it may concern,

This letter serves to provide notice for registering as an interested and affected party as per your site notice dated 19 April 2021. The relevant project owner is stated as Zastrocode (PTY) LTD.

I Johannes Frederik Lodewikus Kalp, ID: 6510245115086, owner of the farm Oatlands 406 and Duine 437, would hereby like to register as interested and affected party. I am also the lawful occupant of the farm Oatlands.

As per the site notice I would like to raise the following issues and concerns regarding the project:

1. Safety: How will the project influence my safety?
2. Roads: The farm is a remote location, not served by local government services. During and after the proposed project, will the project owners do any maintenance to the roads?
3. Water: What will the impact of the project be on the underground water supply?
4. Losses: Who will be accountable for any material losses caused by the project to my property?
5. Use of land: What impact will this project have on my farming activities on the land concerned?
6. Access to farms: Who will be the contact person for access to the farm as all gates are locked?

Please forward me all relevant documentation and advice on the date of any public participation meetings.

Kind regards and I look forward to your response,

Johan Kalp

I can be contacted on 078 388 0742 or via email at jfkalp7@gmail.com

Appendix hiie1-1: Comments and Response Table



**MYEZO ENVIRONMENTAL
MANAGEMENT SERVICES**
Environmental Stewardship

Issues and Comments Register

Document Name: QMS-Project Assistant- Issues and Comments Register	Issue date: 03 September 2020	Revision Date: 03 September 2023	Revision: 1	Status: Pending
Document No.: QMS/0027-PA8-13-1				

ZASTROCODE (PTY) LTD-POSTMASBURG-BASIC ASSESSMENT

ISSUES AND COMMENTS REPORT IN RELATION TO THE PUBLIC PARTICIPATION PROCES UNDERTAKEN IN SUPPORT OF ENVIRONMENTAL AUTHORISATION APPLICATION (BASIC ASSESSMENT PROCESS), FOR THE PROPOSED PROSPECTING OF IRON ORE AND MANGANESE ORE ON THE FARMS THORNS 407, DUINE 437, RECORD 411, LOSKOP 414, OATLANDS 406, AND TOWTON 415, LOCATED APPROXIMATELY 50 KM NORTH WEST OF KATHU TOWN, IN THE MAGISTERIAL DISTRICT OF KURUMAN, WITHIN TSANTSABANE LOCAL MUNICIPALITY, NORTHERN CAPE PROVINCE.

Document Name: ZPB- P/I/APs – Issues and Comments Register

Date: 21 May 2021

Myezo Ref: ZPB 2021/01

DMRE ref: NC30/5/1/12/12709 PR

ISSUE/COMMENT	RAISED BY	RESPONSE	MODE OF RECEIPT	SECTION WHERE ADDRESS D IN THE BAR
<p>Roads: our primary access road is also the road that will be used by the project. Will you be performing any maintenance to the road?</p>	<p>Trix Pens</p>	<p>Zastrocode will take responsibility of maintaining the road within the regulations of the provincial road authority. If it is a private road, that maintenance will be done in agreement with the other land users. However, the intention is to maintain the roads once mining activities commence. The road will not be affected during drilling phase because the prospecting/drilling process will entail just bringing a drill rig on site as a once-off event including the geologist's vehicles and supporting infrastructure, when required. The commitment to maintain the road will only commence once the mining right has been issued and heavy vehicles start using the road. The intention is to also add the road servicing to be part of the social responsibility commitment and can be included within the social labour plan.</p>	<p>Email</p>	
<p>Safety: We are an isolated community. What measures will you take to keep our area as safe as possible?</p>	<p>Trix Pens</p>	<p>Zastrocode will work with the community to put all the required safety measures once a full risk assessment has been done with the community. The definite actions will be determined by the community needs, regarding safety risks and pre-determined requirements. It is the intension of the organisation to form neighbourhood relations and become part of the community and as such intends to support the community endeavours towards various communicated set objectives and comply with the community social regulations.</p>	<p>Email</p>	
<p>Safety: How will the project influence my safety?</p>	<p>Johan Kalp</p>	<p>We understand that there are safety issues that might emanate from the proposed project. Mitigation measures of possible safety impacts have been included in the project EMP. In addition, a risk assessment will be undertaken by Zastrocode before commencement of prospecting operations and Zastrocode will work with community members to put all the safety measures required in place.</p>	<p>Email</p>	
<p>Roads: the farm is in a remote location, not served by the local government services. During and after the proposed project, will the project owners do any</p>	<p>Johan Kalp</p>	<p>Zastrocode will take responsibility of maintaining the road within the regulations of the provincial road authority. If it is a private road, that maintenance will be done in agreement with the other land users. However, the intention is to maintain the roads once mining activities commence. The road will not be affected during drilling phase because the prospecting/drilling process will entail just bringing a drill rig on site as a once-off event including the geologist's vehicles and supporting infrastructure, when required. The commitment to maintain the road will only commence once the mining right has been issued and heavy vehicles start using the road. The intention is to also add the road servicing to be part of the social responsibility commitment and can be included within the social labour plan.</p>	<p>Email</p>	

ISSUE/COMMENT	RAISED BY	RESPONSE	MODE OF RECEIPT	SECTION WHERE ADDRESS IS IN THE BAR
maintenance on the road?	Johan Kalp	Technologies that were elected and that will be applied during prospecting activities such as RC drilling, have less impacts on ground water. In addition, mitigation measures have been developed for any possible water, both surface and ground, that might emanate from the proposed activities.	Email	Section j and l of the BAR. Section e of the EMPr
Water: what effect will the project have on the water tables?	Johan Kalp	There is no physical damage to manmade properties/structured that are expected from the prospecting activities that are being applied for. The process will involve the drilling of boreholes/drill holes and Zastrocode will rehabilitate these holes to the satisfaction of the of the landowner. Lease fees will be negotiated with the landowner once mining right has been approved. For matters pertaining to purchasing, if negotiations with surface owners progress to that level, property evaluations will be done. Furthermore, financial provision for rehabilitation has been set aside.	Email	
Losses: Who will be accountable for any material losses caused by the project to my property?	Johan Kalp	During prospecting activities, there will be low impact on agricultural activities since activities will not involve clearance of big areas of land but will only drilling of boreholes. The drill holes will be discussed with the concerned landowner, before any commencement of drilling. There will not be disturbance of farming activities during drilling. To reiterate, drilling schedule and the specific impacts it will have, will be discussed with each landowner before commencement of activities. The landowner will sign off before the rehabilitation of the holes can be declared complete.	Email	
Use of land: What impact will this project have on my farming activities on the land concerned.	Johan Kalp	There will be continual engagement between Zastrocode and the landowners. During the engagements, access issues will be addressed where Zastrocode will request for access to the farms in the event that an authorisation has been granted. The specific requirements pertaining to closure of gates and avoidance of certain structures will be discussed with the landowner and agreed in writing. Those agreements will form part of the rules to be adhered and Zastrocode will comply to any such reasonable requests.	Email	
Access to farms: Who will be the contact person for access to the farm as all gates are locked?	Eben Anthonisse	We as Myezo Environmental Management Services (Pty) Ltd, would like to humbly apologise the late arrival of our colleague to the public meeting that was set for Thursday, 20 May 2021. With due respect, we appreciate the efforts of the Farmers Association representatives, farmers and landowners for assisting in organising as well as attending the planned meeting. Our endeavor as an organisation is to present ourselves as professionals, as accountable and reliable. We are in the process of taking corrective measures for identified root causes to ensure that such kind of an incident does not happen again in future. We have collated all the concerns you have subsequently submitted and captured them into the report which was then	Email	
Due to unknown circumstances the representative of the EAP arrived over an hour late for the meeting, after the stakeholders left in frustration. The				

ISSUE/COMMENT	RAISED BY	RESPONSE	MODE OF RECEIPT	SECTION WHERE ADDRESS D IN THE BAR
<p>meeting did not take place and this behavior on behalf of the EAP is unacceptable and counterproductive to the efforts of organised agriculture to establish a feasible platform of interaction between the Applicant and directly affected parties where detrimental factors might harm the sustainable and economic welfare of agriculture in the area.</p> <p>Numerous landowners made special efforts to attend the meeting, and some even took leave from their work. The harm done is unimaginable and the situation where we find ourselves in, meaning organised agriculture and</p>		<p>submitted to Department of Mineral Resources and Energy (DMRE), including your letter of concerns.</p>		

ISSUE/COMMENT	RAISED BY	RESPONSE	MODE OF RECEIPT	SECTION WHERE ADDRESS D IN THE BAR
<p>the Applicant, will have serious consequences with regard to good faith endeavours.</p>				
<p>At this point we have not worked through the presentation and are not familiar with the points set out for discussion, but we can mention the critical factors that have detrimental impacts on sustainable and economic agricultural welfare: 1. Groundwater yield and susceptibility to contamination There is very little information available in the draft BAR. Please revise and include ample information.</p>	<p>Eben Anthonisse</p>	<p>Technologies to be applied during prospecting activities such as RC drilling have less impacts on ground water. Aspects, activities involved and impacts as well as mitigation measures for any possible water, both surface and ground, that might emanate from the proposed activities have been developed.</p>	<p>Email</p>	<p>Section j and l of the BAR. Section e of the EMPr</p>
<p>2. Dust and noise generation through prospecting-related activities. Please include the</p>	<p>Eben Anthonisse</p>	<p>For the proposed prospecting, possible dust will emanate from activities such as site camp establishment, vehicular movement and drilling activities. Dust control measures such as dust suppression and speed limits will be implemented. Noise might emanate from drill rigs during prospecting activities as well as vehicular movement, thus, mitigation measures for noise control have been formulated.</p>	<p>Email</p>	<p>Section j) and l) of the BAR Section d) (ii), e); f) and</p>

ISSUE/COMMENT	RAISED BY	RESPONSE	MODE OF RECEIPT	SECTION WHERE ADDRESS IS IN THE BAR
<p>access routes to the various properties and the amount of traffic expected on the secondary public roads and an estimated amount of dust and noise generated.</p>				k) of the EMPr
<p>3. Sufficient and acceptable mitigation measures to damaged agricultural land</p> <p>No formal site visits were conducted, thus the EMPr does not include an acceptable indication of mitigation and remedial measures to be implemented on each property</p>	Eben Anthonisse	<p>Myezo made an attempt to undertake site visits to the proposed site, however, access challenges were faced. However, other forms of data sources such as GIS, maps, municipal data and documentation such as Integrated development Plans (IDPs) and Spatial Development Frameworks (SDFs) as well as Department of Forestry, Fisheries and Environment's screening tools were employed and these formed the basis of data collection for the project.</p> <p>Lease fees and matters pertaining to purchasing will be negotiated with the landowner once mining right has been approved. In addition, property evaluations will be done if negotiations with surface owners progress to that level.</p>	Email	N/A
<p>4. Adequate rehabilitation</p> <p>No formal site visits and consultations were conducted, thus the EAP does not have an informed picture of the challenges faced with</p>	Eben Anthonisse	<p>During the compilation of reports, data sources such as GIS, maps, municipal data and documentation such as Integrated development Plans (IDPs) and Spatial Development Frameworks (SDFs) as well as Department of Forestry, Fisheries and Environment's screening tools were consulted and these formed the basis of data collection for the project. Therefore, rehabilitation issues were formulated basing on the available data from the sources. Any deviation on rehabilitation issues will be discussed with the landowners before commencement of activities.</p>	Email	

ISSUE/COMMENT	RAISED BY	RESPONSE	MODE OF RECEIPT	SECTION WHERE ADDRESS D IN THE BAR
<p>adequate rehabilitation.</p> <p>5. Impacts on each agricultural economic unit. The socio-economic impact assessment primarily focusses on the probability and the impacts of mining only where the application at hand is being overlooked. Meaning prospecting. Furthermore the socioeconomic impact on the agrarian is overlooked. Please refer to the annual impact calculation on the total application area and the possible loss of revenue: 20 061.27 Ha (application area) + 12 Ha/LLU (Large Livestock Unit) = 1 671.8 LLU x R24 000-00 per head</p>	<p>Eben Anthonisse</p>	<p>Information pertaining to the impacts of the proposed activities on agriculture have been added and evaluated in the socio-economic impact assessment report.</p>	<p>Email</p>	

ISSUE/COMMENT	RAISED BY	RESPONSE	MODE OF RECEIPT	SECTION WHERE ADDRESS D IN THE BAR
<p>= R40 123 200-00 (Value of amount of production of production cows) 1 671,8 LLU x 80% Average Reproduction Rate = 1 337,4 Calves x 240kg per weaner calf = 320 979,8kg x R38-00 per kg = R12 197 233-92 (Value of annual production) Total = R40 123 200-00 + R12 197 233-92 = R52 320 433-92</p> <p>Please refer to the annual contribution of agriculture to local and national economy in the form of the Gross Domestic Product (GDP) versus the contribution of the total mining sector. Also, please investigate and review the socio-economic impact on the directly affected agrarian.</p>				

ISSUE/COMMENT	RAISED BY	RESPONSE	MODE OF RECEIPT	SECTION WHERE ADDRESS D IN THE BAR
<p>6. Adherence to the approved Rural Safety Plan</p> <p>There is mentioning in the draft BAR of site visits and thoroughly surveyed areas, but according to our knowledge no such activities were conducted as the EAP did not request any access to conduct such studies. If such activities did occur, it is in contravention to the approved Rural Safety Plan implemented by Agri SA and the SAPD. We are more than willing to supply the document and we recommend that the EAP consult and familiarise itself with the local structures of rural safety. Please revise the statements in the draft BAR of unauthorised site visits as the</p>		<p>Myezo made an attempt to undertake site visits to the proposed site, however, access challenges were faced. However, other forms of data sources such as GIS, maps, municipal data and documentation such as Integrated development Plans (IDPs) and Spatial Development Frameworks (SDFs) as well as Department of Forestry, Fisheries and Environment's screening tools were employed and these formed the basis of data collection for the project.</p> <p>Myezo understands that access has to be requested from landowners before entering their property. Any mention of site visit has been corrected since the above-mentioned data collection sources and tools were used.</p>	Email	

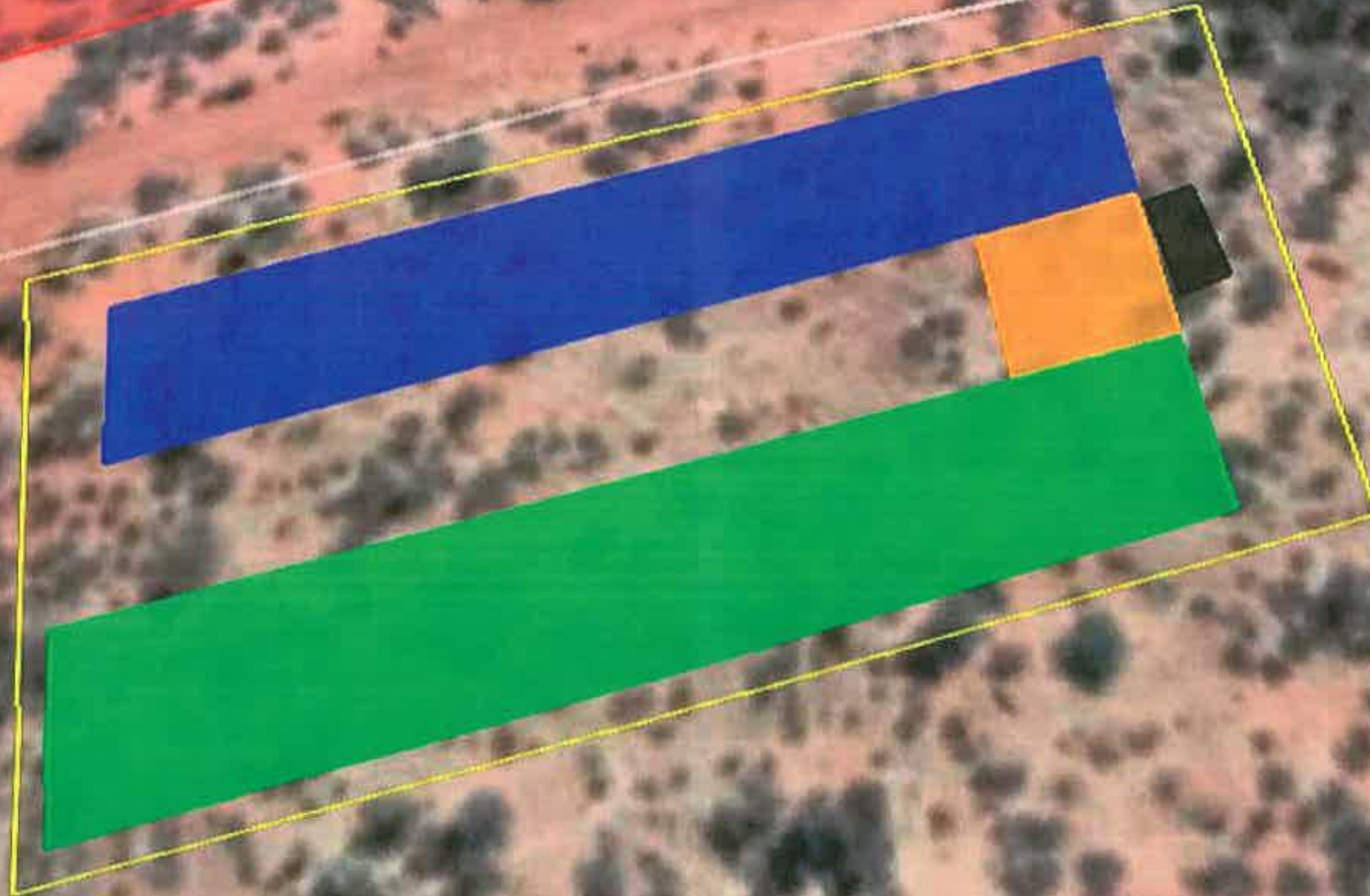
ISSUE/COMMENT	RAISED BY	RESPONSE	MODE OF RECEIPT	SECTION WHERE ADDRESS D IN THE BAR
<p>indicated Financial Provision for Rehabilitation would be a false indication of the true nature of adequate rehabilitation.</p>				
<p>Recommendations for the way forward: 1. Agri Kuruman suggests that the deadline for comments on the draft BAR are extended until such time were a final draft BAR can be supplied after thorough consultation with the landowners through the structures of organised agriculture. 2. Consultation with organised agriculture (Winton Boerevereniging and Agri Kuruman) with regard to the statutory Fire Protection Association</p>		<p>The Final BAR will be submitted to the authorities so as to comply with the stipulated timeframes. However, consultation with landowners will continue and outcomes from such engagements will be submitted to the authorities and will form basis of landowner agreements which the applicant still need to negotiate once drilling is approved. The aspects relating to the consultation process will be presented in the environmental report which is being submitted to the DMRE.</p>	Email	

ISSUE/COMMENT	RAISED BY	RESPONSE	MODE OF RECEIPT	SECTION WHERE ADDRESS D IN THE BAR
<p>(FPA), and interaction with the implemented rural safety structures.</p> <p>3. Consultation with local Water-users Association as the application area falls within the catchment area of Tshiping Water-users Association.</p> <p>4. Formally notifying the DMR Kimberley with the correct reasons why an extension is needed.</p>	Trix Pens	<p>Good day,</p> <p>Thank you for taking part in this public participation process.</p> <p>Please be advised that you have been registered as an interested and affected parties for the proposed prospecting of iron and manganese on farms Thorns 407, Duine 437, Record 411, Loskop 414, Oatlands 406 and Towton 415, DMRE Reference No. NC30/5/1/12/12709 PR.</p> <p>Please access the project documents from the link below. A detailed response, to submitted comments, will be sent to you.</p> <p>Link: https://www.dropbox.com/sh/cg0p0d4dt1w1vhzz/AAB_TWQHv3lp4RYg5RTV4yXFaq?dl=0</p>	Email	
<p>Can you kindly provide me with the draft Basic Assessment Report</p>				

Appendix d1-1: Infrastructure Layout Plan

Zastrocode Campsite Layout

Satellite image showing the proposed campsite layout for the Zastrocode exploration project



Legend

-  Campsite Perimeter
-  Equipment Storage
-  Parking Area
-  Project Site
-  Temporary Housing & Ablutions
-  Waste Storage

Google Earth

Image © 2021 Maxar Technologies

© 2021 A/IOB (Pty) Ltd.

50 m

Appendix d1-2: Camp Location Map

Zastrocode Campsite Layout

Satellite image showing the proposed campsite location on the southern boundary of the proposed project site for the Zastrocode exploration project



Legend

-  Campsite Perimeter
-  Project Site

2 km

Google Earth

Image © 2021 Maxar Technologies

© 2021 Google

© 2021 ArriGIS (Pty) Ltd.

Appendix hiv1.1: Screening Report

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

EIA Reference number: NC30/5/1/1/2/12709 PR

Project name: Zastrocode Prospecting Right

Project title: Zastrocode Postmasburg Prospecting Right EA Application

Date screening report generated: 02/05/2021 16:48:17

Applicant: Zastrocode (Pty) Ltd

Compiler: Myezo Environmental Management Services (Pty) Ltd

Compiler signature:

.....

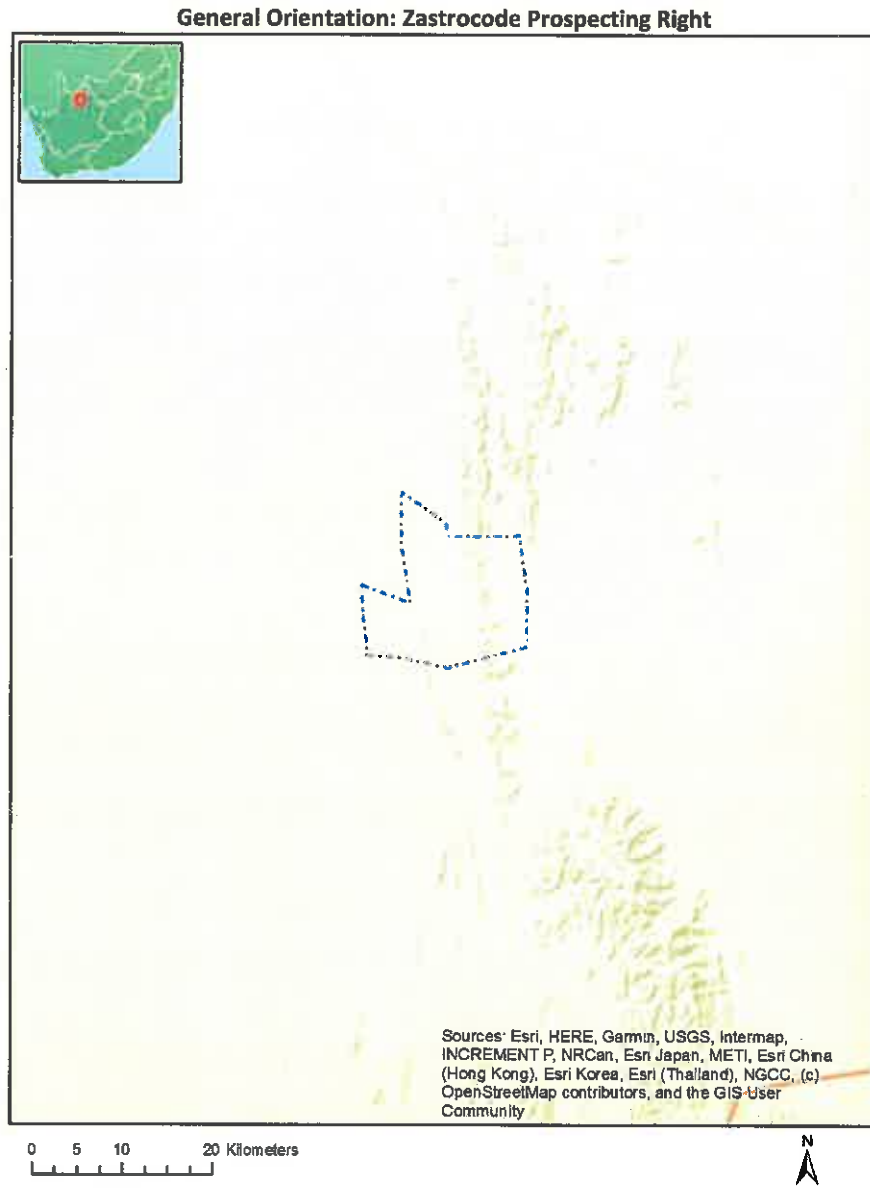
Application Category: Mining|Prospecting rights

Table of Contents

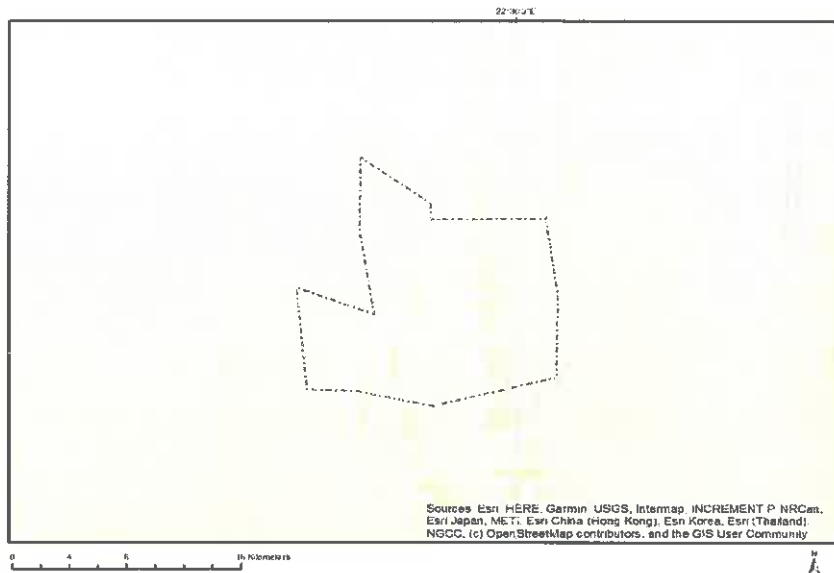
Proposed Project Location	3
Orientation map 1: General location	3
Map of proposed site and relevant area(s)	4
Cadastral details of the proposed site	4
Wind and Solar developments with an approved Environmental Authorisation or applications under consideration within 30 km of the proposed area	5
Environmental Management Frameworks relevant to the application	5
Environmental screening results and assessment outcomes	6
Relevant development incentives, restrictions, exclusions or prohibitions	6
Map indicating proposed development footprint within applicable development incentive, restriction, exclusion or prohibition zones	7
Proposed Development Area Environmental Sensitivity	7
Specialist assessments identified	8
Results of the environmental sensitivity of the proposed area	10
MAP OF RELATIVE AGRICULTURE THEME SENSITIVITY	10
MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY	11
MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY	12
MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY	13
MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY	14
MAP OF RELATIVE DEFENCE THEME SENSITIVITY	15
MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY	16
MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY	17
MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY	18

Proposed Project Location

Orientation map 1: General location



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	DUINE	437	0	27°28'52.32S	22°25'30.79E	Farm
2	BARTON	403	0	27°27'54.29S	22°33'10.7E	Farm
3	RANDJES	412	0	27°34'19.06S	22°23'20.36E	Farm
4	OAKLANDS	406	0	27°27'53.66S	22°28'53.29E	Farm
5	HOPEWELL	408	0	27°24'2.04S	22°25'58.71E	Farm
6	THORNS	407	0	27°26'10.45S	22°25'22.71E	Farm
7	RECORD	411	0	27°30'56.22S	22°23'4.37E	Farm
8	DOWNS	436	0	27°28'4.22S	22°23'2.27E	Farm
9	HOPEWELL	697	0	27°24'39.64S	22°23'15.45E	Farm
10	PLUMSTEAD	418	0	27°30'59S	22°33'22.35E	Farm
11	WESTBOURNE	404	0	27°24'24.14S	22°32'49.66E	Farm
12	NOOITVERWAG	714	0	27°24'13.36S	22°27'33.58E	Farm
13		790	0	27°24'29.42S	22°29'36.75E	Farm
14	TOWTON	415	0	27°31'4.56S	22°29'6.15E	Farm
15	LOSKOP	414	0	27°31'45.73S	22°25'31.91E	Farm
16	RECORD	411	0	27°30'56.22S	22°23'4.37E	Farm Portion
17	TOWTON	415	0	27°31'4.56S	22°29'6.15E	Farm Portion
18	WESTBOURNE	404	1	27°25'23S	22°32'50.13E	Farm Portion
19	LOSKOP	414	0	27°31'45.73S	22°25'31.91E	Farm Portion
20	OAKLANDS	406	2	27°28'35.01S	22°30'10.11E	Farm Portion
21	HOPEWELL	697	0	27°24'39.64S	22°23'15.45E	Farm Portion
22	RANDJES	412	0	27°34'19.06S	22°23'20.36E	Farm Portion
23	THORNS	407	0	27°26'10.45S	22°25'22.71E	Farm Portion
24	PLUMSTEAD	418	0	27°30'10.72S	22°33'24.85E	Farm Portion
25	DUINE	437	0	27°28'52.32S	22°25'30.79E	Farm Portion
26	DOWNS	436	0	27°28'4.22S	22°23'2.27E	Farm Portion
27	OAKLANDS	406	0	27°28'39.5S	22°27'53.62E	Farm Portion
28	NOOITVERWAG	714	0	27°24'13.36S	22°27'33.58E	Farm Portion
29	BARTON	403	0	27°27'54.29S	22°33'10.7E	Farm Portion
30	OAKLANDS	406	1	27°27'14.4S	22°28'37.73E	Farm Portion

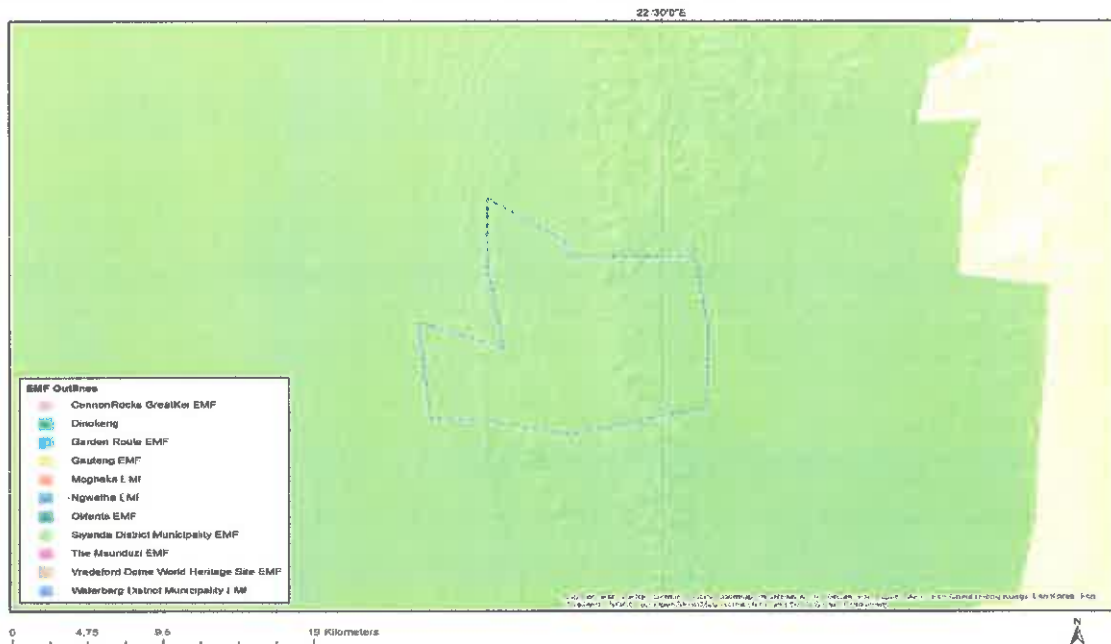
31	HOPEWELL	408	2	27°24'2.04S	22°25'58.71E	Farm Portion
----	----------	-----	---	-------------	--------------	--------------

Development footprint¹ vertices:
 No development footprint(s) specified.

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

No nearby wind or solar developments found.

Environmental Management Frameworks relevant to the application



Environmental Management Framework	LINK
Siyanda District Municipality EMF	https://screening.environment.gov.za/ScreeningDownloads/EMF/SIYANDA_EMF_REPORT_2008.doc

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.

Environmental screening results and assessment outcomes

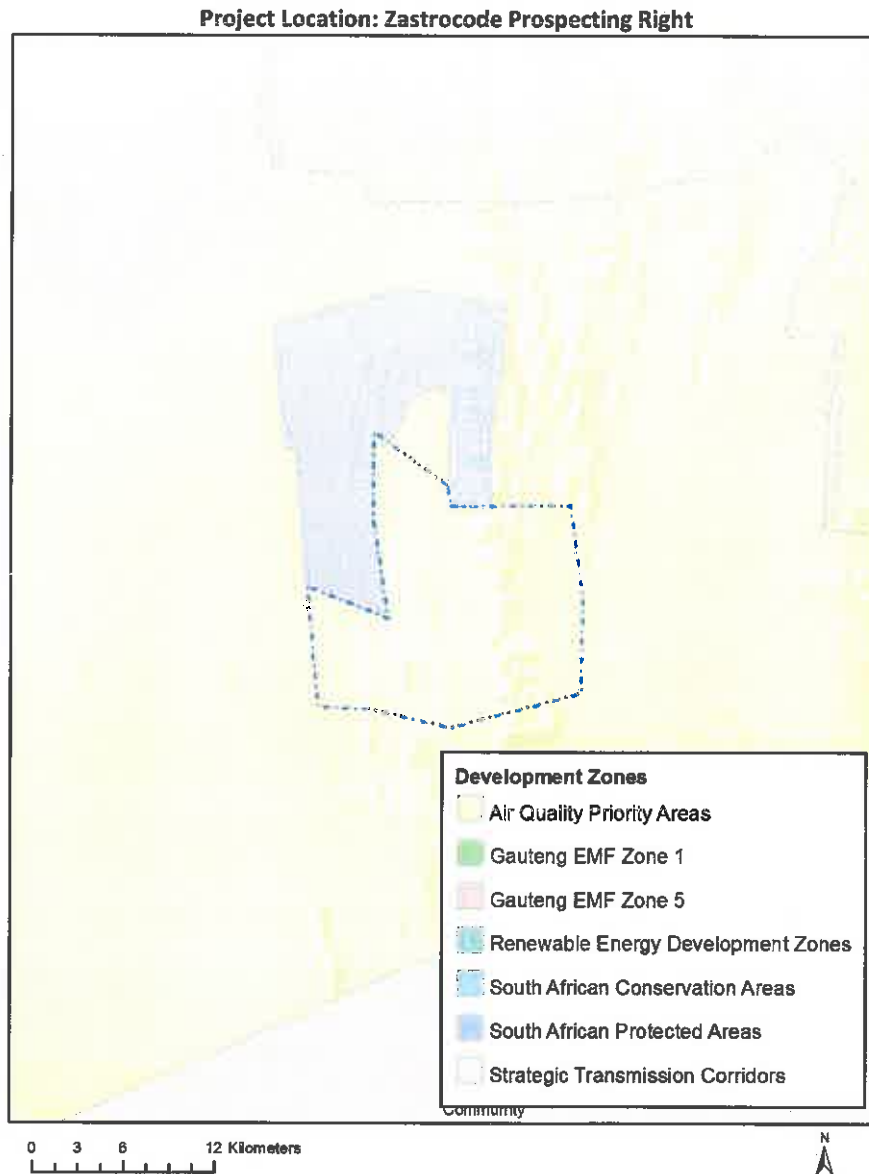
The following sections contain a summary of any development incentives, restrictions, exclusions or prohibitions that apply to the proposed development site as well as the most environmental sensitive features on the site based on the site sensitivity screening results for the application classification 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
South African Protected Areas	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/SAPAD_OR_2020_Q3_Metadata.pdf

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



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.

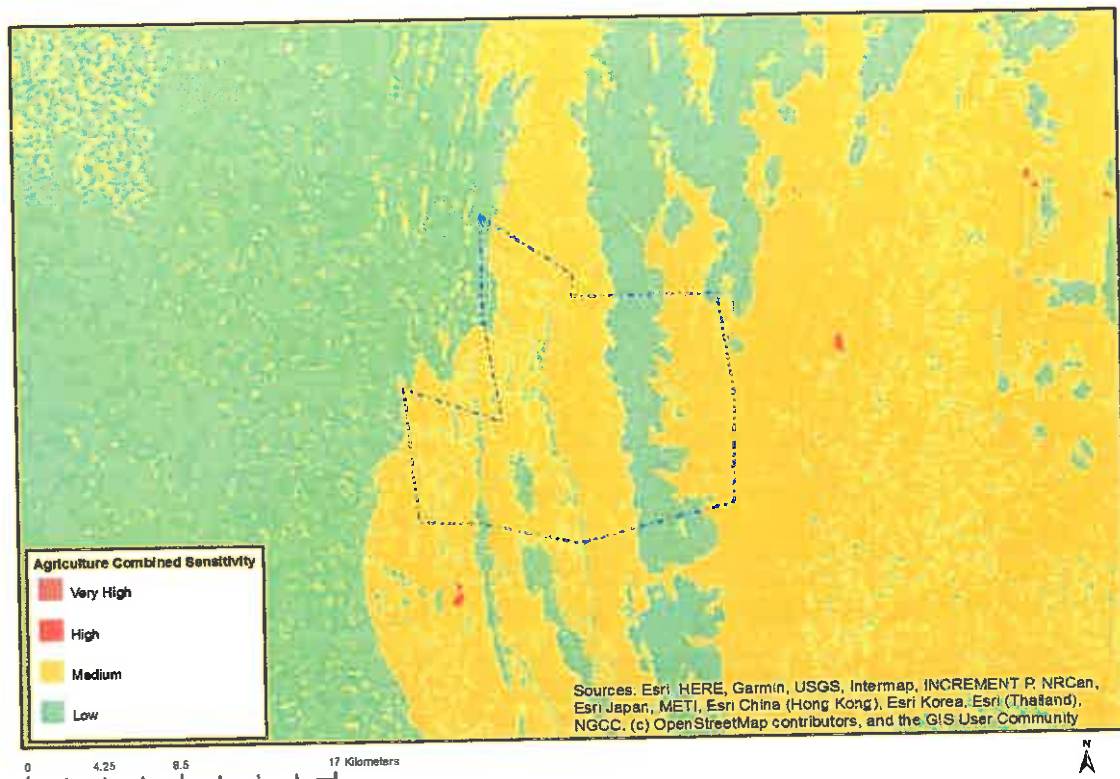
N o	Specialist assessment	Assessment Protocol
1	Agricultural Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Agriculture Assessment Protocols.pdf
2	Archaeological and Cultural Heritage Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
3	Paleontology 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

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

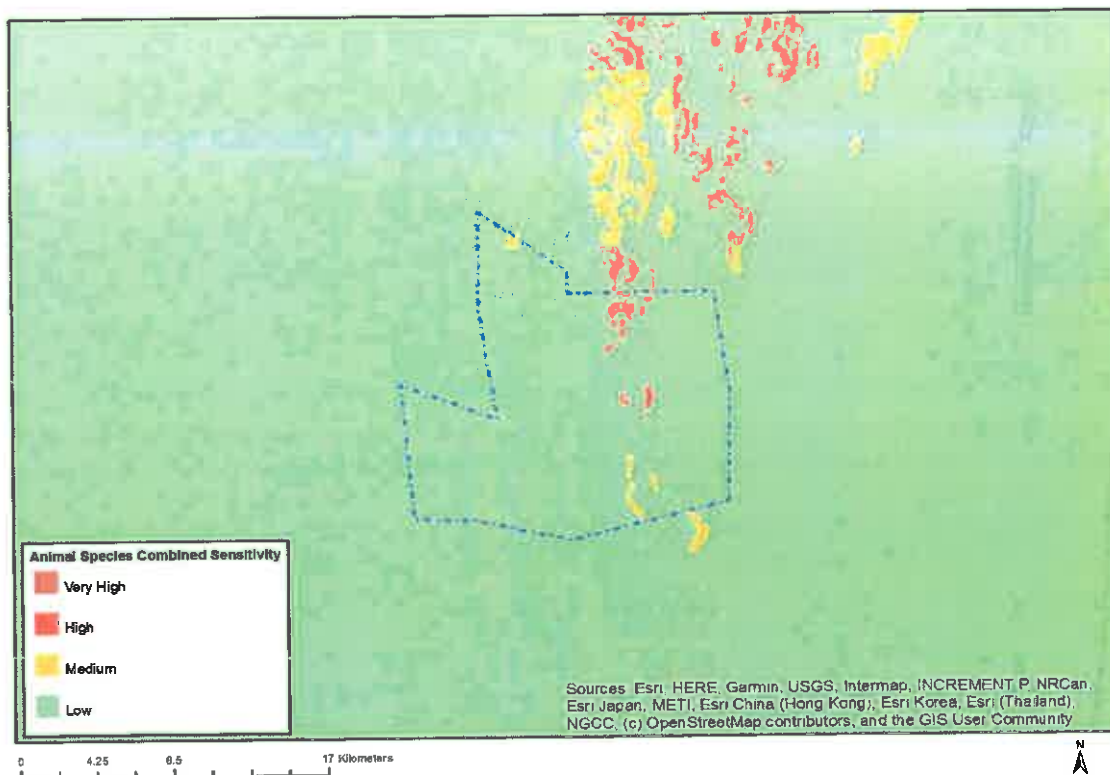


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
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



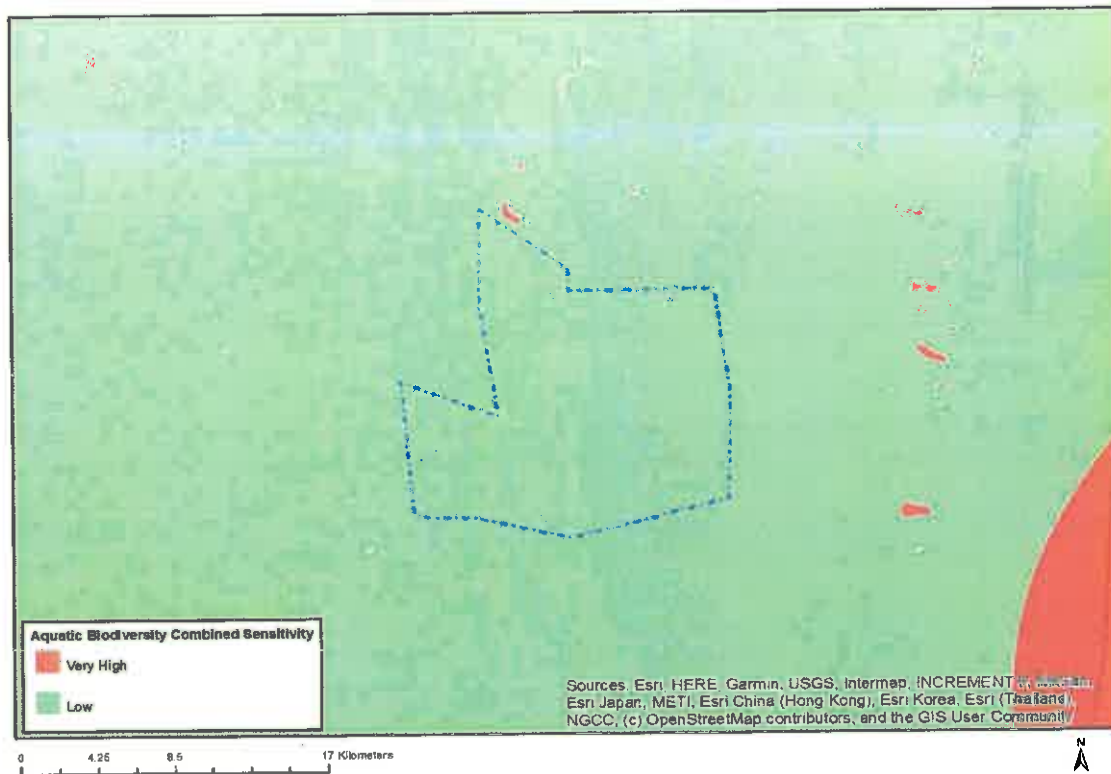
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their 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)
High	Aves-Aquila verreauxii
High	Mammalia-Smutsia temminckii
Low	Low sensitivity
Medium	Aves-Ciconia nigra
Medium	Aves-Aquila verreauxii
Medium	Aves-Sagittarius serpentarius

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

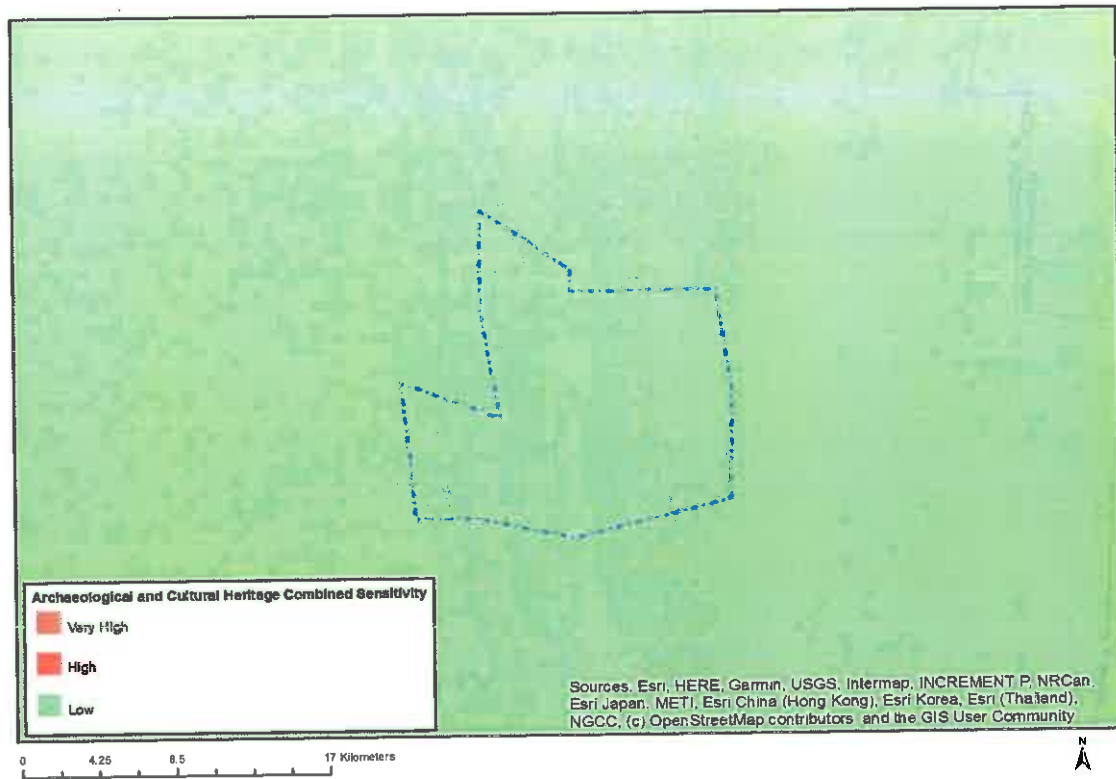


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

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

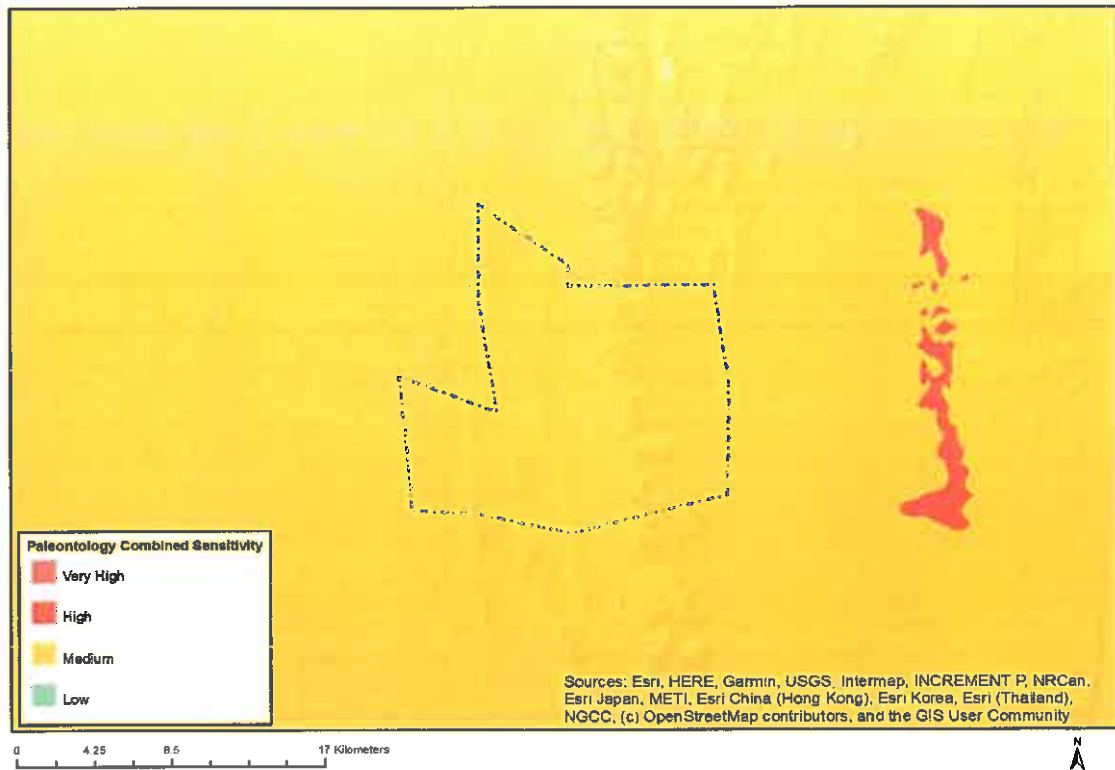


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

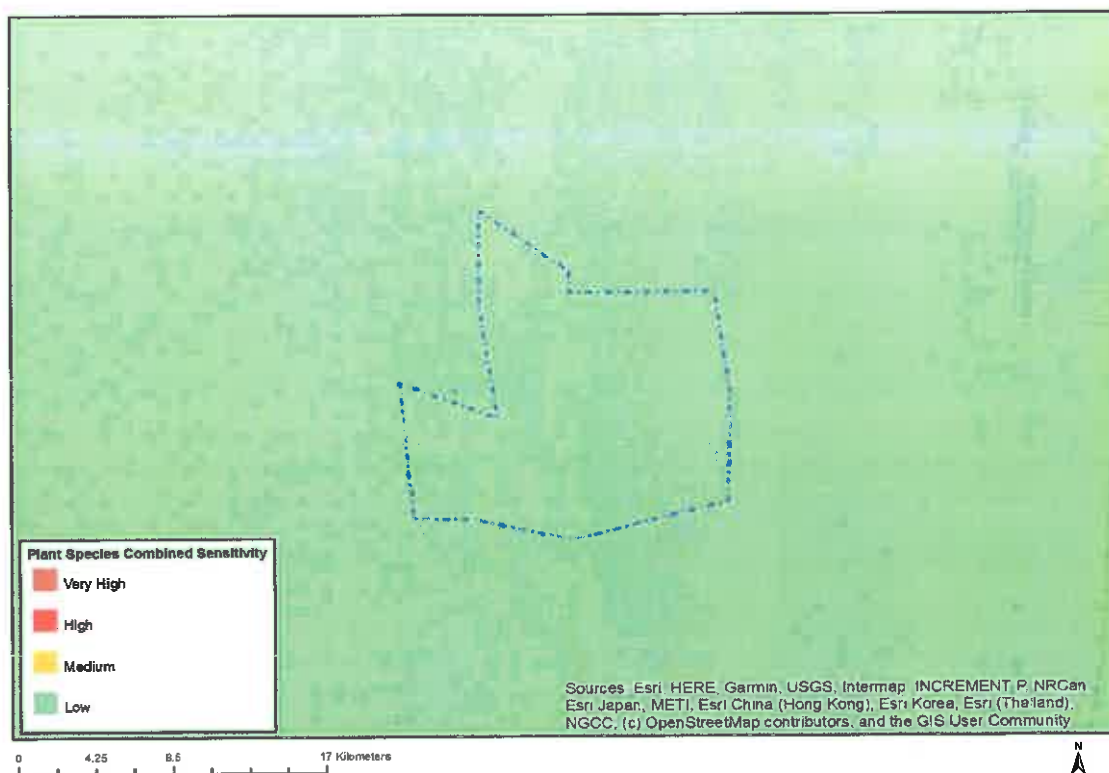


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

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

MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY



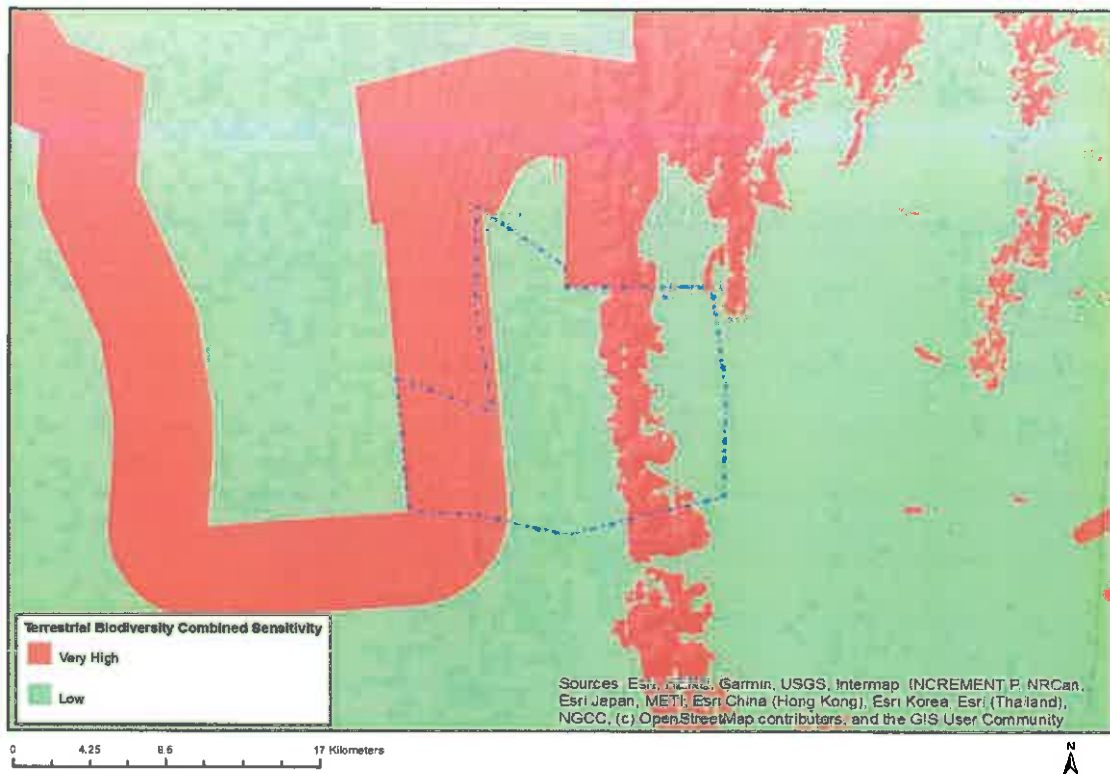
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their 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 2
Very High	Ecological Support Area
Very High	South African Protected Areas

Appendix j1-1: Impact Assessment Table

Appendix j.1-1: Impact Assessment Undertaken by the EAP

NAME OF ACTIVITY	POTENTIAL IMPACT Including the potential impacts for cumulative impacts	Aspects Affected	Impact Probability Activity Frequency + Impact Frequency	Reversibility	Severity	Spatial Scale + Duration	Consequence x Probability	Significance	Cumulative Impacts	Mitigation Type Modify, remedy, control, or stop through	Significance If mitigated
PLANNING AND SETUP PHASE											
Selection of exploration technology	Selected exploration technologies (i.e., RC drilling & RAB) will have minimal and manageable impacts on the environmental. <i>Impact Status:</i> <i>Positive</i>	Land, Soil, Water and Air	1 + 5 = 6	Irreversible	5 Very beneficial as this is the core of the proposed project	1 + 2 = 3	8 x 6 = 48	8 x 6 = 48	There is another iron ore mine close to the proposed project site. If proactive approaches such as selecting the correct technology are not taken, there may be large cumulative effects for negative impacts such as noise and erosion.	Modification through the use of alternatives has been done. Selected alternatives such as RC drilling have less impacts on soil and ground water.	8 x 3 = 24
Selection of routes for access roads	Access roads may disturb sensitive areas	Biodiversity, water, soil	1 + 4 = 5	Reversible	5 Very severe	3 + 1 = 5	10 x 9 = 90	8 x 3 = 24	There are likely to be no cumulative impacts on the biodiversity.	Access roads will avoid sensitive areas. An environmental specialist will be involved in the	

Significance		5 x 4 = 20
If mitigated		
Mitigation Type Modify, remedy, control, or stop through	selection of an access road	The local community and local municipality must be informed of the project before any work is done. They must also be involved in the planning, selection and construction of the access road.
Cumulative Impacts		There are existing unpaved access roads being used by the community. The presence of a nearby mining activities to the east can result in a medium cumulative effect of damage to public infrastructure and community properties.
Significance Consequence x Probability		8 x 4 = 32
Spatial Scale + Duration		3 + 1 = 4
Severity		4 Severe since this results in conflicts with the locals and this may not distort project support
Reversibility		Reversible at a cost of repairing or replacing
Impact Probability Activity Frequency + Impact Frequency		1 + 3 = 4
Aspects Affected		Social and economic
POTENTIAL IMPACT Including the potential impacts for cumulative impacts	such as wildlife breeding grounds. <i>Impact status: negative</i>	Since the proposed project area is close to communities, access roads may tamper with and damage existing infrastructure and community properties. <i>Impact status: negative</i>
NAME OF ACTIVITY		

Significance	5 x 5 = 25
Mitigation Type Modify, remedy, control, or stop through	A contractor with a good record of environmental management will be engaged. They also be selected based on the presence of an internal environmental policy which they use for their drilling activities. Tracing and consulting their referees, previous clients and previous works will also be done.
Cumulative Impacts	Most or all existing negative such as air noise and air pollution due to the existing mine near project site will result in a medium cumulative effect when considered collectively with those of the proposed project.
Significance Consequence x Probability	8 x 5 = 40
Spatial Scale + Duration	2 + 1 = 3
Severity	5 Very severe since several avoidable negative impacts will be experienced
Reversibility	Reversible at a cost of avoidable mitigating impacts.
Impact Probability Activity Frequency + Impact Frequency	1 + 4 = 5
Aspects Affected	Land, Soil, Water and Air
POTENTIAL IMPACT Including the potential impacts for cumulative impacts	Contractors, depending on their institutional capability and resources, may have different abilities to avoid or manage adverse environmental impacts. Selecting the wrong contractor may result in worsening of impacts. <i>Impact status: negative</i>
NAME OF ACTIVITY	Selection of exploration drilling contractor

Significance If mitigated	$5 \times 3 = 15$	$7 \times 3 = 21$
Mitigation Type Modify, remedy, control, or stop through	Since there will be work close to houses, owners have informed and consulted. Drill workers will not be allowed to be within 50 metres of local homesteads without approval from the supervisor.	Even though no sites of significance were identified, local traditional leaders will
Cumulative Impacts	We have no similar or any project in the area which have resulted in conflicts with the community. As such, there will be no cumulative impacts.	There were no areas of cultural or religious significance
Significance Consequence x Probability	$8 \times 3 = 24$	$7 \times 3 = 21$
Spatial Scale + Duration	$3 + 1 = 4$	$2 + 1 = 3$
Severity	4 Severe since this may result in loss of community support for the project.	3 Moderately severe since conflicts with
Reversibility	Reversible through conflict management and issuing out apologies.	Reversible through consultations
Impact Probability Activity Frequency + Impact Frequency	$1 + 2 = 3$	$1 + 2 = 3$
Aspects Affected	Social	Social, cultural, religious
POTENTIAL IMPACT Including the potential impacts for cumulative impacts	There is possibility of conflicts with locals when planning to work close to community buildings. Drill workers may encroach into homesteads and undermining privacy. <i>Impact status: negative</i>	Areas of cultural and religious importance may be disturbed by
NAME OF ACTIVITY	Selection of site for contractor camps	

Significance If mitigated		$5 \times 3 = 15$
Mitigation Type Modify, remedy, control, or stop through	be consulted and informed of the project as a precautionary step.	The local municipality and ward councillors will be consulted before choosing a water source for drilling purposes. If a homestead water source is to be used, an agreed payment should be done.
Cumulative Impacts	identified near or within the proposed project area. Therefore, there will be no cumulative effects on this impact.	There is a iron ore adjacent to the project site. Drilling activities may result in an increase of pressure on water resources. Viewed alone, the use of water by the drilling activities will not put a strain on the resources but when viewed
Significance Consequence \times Probability		$7 \times 4 = 24$
Spatial Scale + Duration		$3 + 1 = 4$
Severity	local people can result in loss of project support	3 Moderately severe since conflicts with local people can result in loss of project support
Reversibility	and conflict resolution.	Reversible through remedy or stop measures.
Impact Probability Activity Frequency $+$ Impact Frequency		$1 + 3 = 4$
Aspects Affected		Social
POTENTIAL IMPACT Including the potential impacts for cumulative impacts	movement of traffic and people to and from the exploration sites. <i>Impact status: negative</i>	Water resources conflicts can arise when exploration activities start to use scarce or sensitive resources being used by the community. <i>Impact status: negative</i>
NAME OF ACTIVITY		

Significance If mitigated		6 x 3 = 18	
Mitigation Type Modify, remedy, control, or stop through		Mechanically stabilised earth walls and other best practice methods will be used to control erosion and stop eroded soil from reaching any watercourses. the area has existing erosion which must be rehabilitated prior to any project activity.	The area chosen for the establishment of the camp site will be
Cumulative Impacts	together with the existing mining operations, the cumulative effect is evident.	Due to mining activities happening in the area erosion is happening in the area. As such, erosion by drilling activities will result in high cumulative effects.	Vegetation clearing has already occurred to some
Significance Consequence x Probability		10 x 4 = 40	9 x 4 = 36
Spatial Scale + Duration		3 + 2 = 5	2 + 2 = 4
Severity		5 Very severe	5 Very severe since
Reversibility		Reversible but at very high costs	Reversible through rehabilitation
Impact Probability Activity Frequency + Impact Frequency		1 + 3 = 4	1 + 3 = 4
Aspects Affected		Soil, aquatic resources	Soil, biodiversity
POTENTIAL IMPACT Including the potential impacts for cumulative impacts		Soil erosion can result from removal of vegetation during preparation of land for the contractor camp. <i>Impact status: negative</i>	Clearance of vegetation for the establishment of a
NAME OF ACTIVITY		Clearing of land for camp and drill site preparation	

Significance If mitigated		$6 \times 3 = 18$
Mitigation Type Modify, remedy, control, or stop through	the minimum reasonably required and will involve the least disturbance to vegetation i.e., minimum clearance of vegetation.	Control through water spraying and/or other dust-allaying agents. The speed of haul trucks and other vehicles will be strictly controlled to avoid dangerous conditions, excessive dust or excessive deterioration of the road being used.
Cumulative Impacts	extent in the area due to cultivation. Viewed together with vegetation clearing by project activities, the cumulative effect is medium.	Existing erosion and bare soil in the project area due to cultivation. Bare and cultivated soil can result in dust generation. Taken into consideration with dust generation due to project activities, the cumulative effect is high.
Significance Consequence x Probability		$7 \times 3 = 21$
Spatial Scale + Duration		$3 + 1 = 4$
Severity	vegetation clearing results in loss of biodiversity.	3 Moderately severe since vehicle movement will not be intense
Reversibility		Reversible through rehabilitation
Impact Probability Activity Frequency + Impact Frequency		$1 + 2 = 3$
Aspects Affected		Soil, Air
POTENTIAL IMPACT Including the potential impacts for cumulative impacts	camp site will result in vegetation / biodiversity loss. <i>Impact status: negative</i>	There will be generation of dust due of vehicular movement and vegetation clearing. <i>Impact status: negative</i>
NAME OF ACTIVITY		

Significance									
If mitigated									
Mitigation Type Modify, remedy, control, or stop through									
Cumulative Impacts									
Significance Consequence x Probability									
Spatial Scale + Duration									
Severity									
Reversibility									
Impact Probability Activity Frequency + Impact Frequency									
Aspects Affected									
POTENTIAL IMPACT Including the potential impacts for cumulative impacts									
NAME OF ACTIVITY									

$$7 \times 3 = 21$$

If any alien invasive species are encountered, they must be removed and burnt or sprayed with approved herbicides.

$$6 \times 4 = 24$$

Proper temporary ablation facilities will be used with approved ferrying and dumping.

Cultivation is one way in which alien invasive species spread. However, cultivation will not be occurring concurrently with drilling activities therefore there will be no cumulative effect.

Currently, there is no evidence of any existing activities polluting groundwater. As such, there are no cumulative impacts at the moment.

$$9 \times 3 = 27$$

$$3 + 2 = 5$$

4 Forbs are generally known to damage grazing lands and upset soil phosphorus balance

$$9 \times 6 = 54$$

$$3 + 1 = 4$$

5 Very severe since ablation waste can pollute ground water and threaten

Reversible through control of alien species

Reversible since ablation wastes are biodegradable

$$1 + 2 = 3$$

$$1 + 5 = 6$$

Biodiversity

Soil and water

Spread of alien invasive species can occur during land preparation for contractor camp.
Impact status: negative

Temporary ablation facilities can result in pollution of groundwater.
Impact status: negative

Significance			5 x 3 = 15	6 x 3 = 18
Mitigation Type Modify, remedy, control, or stop through			No trees or shrubs will be felled or damaged for the purpose of obtaining firewood, unless agreed to by the landowner/tenant.	Fires will only be allowed in facilities or equipment specially constructed for this purpose. If required by applicable legislation, a fire-break will be
Cumulative Impacts			Viewed as a global problem, cutting down of trees by project workers creates a high cumulative effect	Currently, there are no known cases of veld fires therefore there are no cumulative effects.
Significance Consequence x Probability			9 x 5 = 45	9 x 4 = 36
Spatial Scale + Duration			3 + 2 = 5	3 + 1 = 4
Severity	human health		4 Severe since deforestation is a global problem and conflicts with locals can result in loss of project support.	5 Very severe since fires can result in loss of life
Reversibility			Reversible but costs time and resources	Irreversible in extreme cases such as the loss of life
Impact Probability Activity Frequency + Impact Frequency			1 + 4 = 5	1 + 3 = 4
Aspects Affected			Social, biodiversity	Social, biodiversity
POTENTIAL IMPACT Including the potential impacts for cumulative impacts			Drill workers can cause deforestation and / or conflicts with local communities by cutting down trees for firewood. Impact status: negative	There is risk of veld fires which can damage properties and result in injuries or loss of life. Fires disturb and
NAME OF ACTIVITY		CONSTRUCTION PHASE	Movement of drill rig workers	

Significance If mitigated		6 x 6 = 36
Mitigation Type Modify, remedy, control, or stop through	cleared around the perimeter of the camp and office sites.	Water used for drilling purposes or to dilute drill fluid will be recycled in open pits to increase water use efficiency.
Cumulative Impacts		Taking into consideration water use by the nearby mine to the east and water use by the drilling activities, the cumulative effects will be medium.
Significance Consequence x Probability		7 x 8 = 56
Spatial Scale + Duration		2 + 1 = 3
Severity		4 Severe since water is a critical resource necessary for the support of life
Reversibility		Reversible since water is renewable
Impact Probability Activity Frequency + Impact Frequency		5 + 3 = 8
Aspects Affected		Natural resources
POTENTIAL IMPACT Including the potential impacts for cumulative impacts	reduce biodiversity. <i>Impact status: negative</i>	Water can be wasted during drilling activities that have high water consumption for purposes such as cooling and lubrication. <i>Impact status: negative</i>
NAME OF ACTIVITY		Water Sump

Significance If mitigated	6 x 7 = 42
Mitigation Type Modify, remedy, control, or stop through	Drilling activities will make use of water to reduce dust. Water will be sprayed where there is constant movement of traffic.
Cumulative Impacts	Due to the presence of some areas with uncovered soil, there is a possibility of dust generation occurring naturally. Combined with dust from drilling, the cumulative effect is low.
Significance Consequence x Probability	7 x 9 = 63
Spatial Scale + Duration	2 + 1 = 3
Severity	4 Severe due to widespread aspects affected
Reversibility	Reversible but at a high cost
Impact Probability Activity Frequency + Impact Frequency	5 + 4 = 9
Aspects Affected	Air quality, human health
POTENTIAL IMPACT Including the potential impacts for cumulative impacts	During drilling and movement of vehicles, dust is produced. Dust can fall on vegetation reducing the surface for photosynthesis. It also poses a risk to the health of workers by causing eye damage and irritation to the respiratory system. Impact status: negative
NAME OF ACTIVITY	Drilling

NAME OF ACTIVITY			
POTENTIAL IMPACT Including the potential impacts for cumulative impacts	Drill rigs run on diesel and continuously produce fumes that have potent greenhouse gases such as carbon dioxide and nitrous oxide. These cause global warming. <i>Impact status: negative</i>		Drill rigs are made up of several heavy equipment. Noise is produced by the equipment
Aspects Affected	Air quality, global warming		Social
Impact Probability <i>Activity Frequency + Impact Frequency</i>	5 + 2 = 7		5 + 3 = 8
Reversibility	Reversible but over a long period of time		Irreversible
Severity	4 Severe since global warming is a global issue		3 Moderately severe since modern rigs produce less noise
Spatial Scale + Duration	5 + 2 = 7		2 + 2 = 4
Significance <i>Consequence x Probability</i>	11 x 7 = 77		7 x 8 = 56
Cumulative Impacts	Global warming due to emissions is an ongoing challenge. The cumulative effect when this project is considered is high.		Currently there are no other activities producing noise in the surroundings of the project area.
Mitigation Type Modify, remedy, control, or stop through	Drill rigs with better emission technology will be used. Catalytic converters and emissions trapping mechanisms will be used. Machinery will be serviced regularly so that they emit less.		Drill rigs will make use of silencers. Machinery will be well serviced therefore will make less noise.
Significance <i>If mitigated</i>	6 x 4 = 24		6 x 6 = 36

Significance		6 x 7 = 42
If mitigated		
Mitigation Type Modify, remedy, control, or stop through		Machinery will be serviced regularly so that they vibrate less. Vibration monitoring will be carried out on all machinery on a regular basis to ensure workers' exposure is below recommended duration and levels.
Cumulative Impacts		Currently there are no other activities producing vibrations in the surroundings of the project area.
Significance Consequence x Probability		7 x 8 = 56
Spatial Scale + Duration		2 + 2 = 4
Severity		3 Moderately severe since modern rigs produce less noise
Reversibility		Irreversible
Impact Probability Activity Frequency + Impact Frequency		5 + 3 = 8
Aspects Affected		Biodiversity, occupational health
POTENTIAL IMPACT Including the potential impacts for cumulative impacts	during drilling activities. Impact status: negative	Vibration is produced by the drill rigs and can disturb underground animals. Workers exposed to vibration over a long period can develop 'shaking syndrome'. Vibration affect underground animals.
NAME OF ACTIVITY		

Significance If mitigated		6 x 6 = 36
Mitigation Type Modify, remedy, control, or stop through		The use of the drill rig will be limited to day time operational hours. Lighting used will be within the workspace and outside of the drill camp. Low frequency lighting will be used. Lighting and noise disturbance or any other form of disturbance that may have an effect on the landowner / tenant / persons lawfully living in the vicinity shall be kept to a minimum.
Cumulative Impacts		Currently there are no activities in the project area which are causing photo-pollution.
Significance Consequence x Probability		7 x 8 = 56
Spatial Scale + Duration		2 + 2 = 4
Severity		3 Moderately severe
Reversibility		Reversible since there will not be permanent impacts
Impact Probability Activity Frequency + Impact Frequency		5 + 3 = 8
Aspects Affected		Social, Biodiversity
POTENTIAL IMPACT including the potential impacts for cumulative impacts	<i>Impact status: negative</i>	Drill rigs normally operate around the clock and make use of lighting for security and making work easier. Photo-pollution can result from the lighting. Light and noise can disturb the local community. <i>Impact status: negative</i>
NAME OF ACTIVITY		

NAME OF ACTIVITY										
POTENTIAL IMPACT Including the potential impacts for cumulative impacts	Risk of occupational injuries is high from the drill rig which makes use of moving parts. <i>Impact status: negative</i>	Occupational safety	5 + 2 = 7	Irreversible since some injuries can result in permanent disability or death	5 Very severe since there can be loss of life or permanent disability.	2 + 2 = 4	9 x 7 = 63	Currently there are no activities in the project area which can result in occupational risks to the drill workers.	Workers at drill sites must be trained on proper safety practices and potential occupational safety hazards. Drilling must be done in accordance with the contractor's relevant internal standards.	7 x 6 = 42
Aspects Affected		Occupational safety	5 + 2 = 7	Irreversible since some injuries can result in permanent disability or death	5 Very severe since there can be loss of life or permanent disability.	2 + 2 = 4	9 x 7 = 63	Currently there are no activities in the project area which can result in occupational risks to the drill workers.	Workers at drill sites must be trained on proper safety practices and potential occupational safety hazards. Drilling must be done in accordance with the contractor's relevant internal standards.	7 x 6 = 42
Impact Probability <i>Activity Frequency + Impact Frequency</i>		Occupational safety	5 + 2 = 7	Irreversible since some injuries can result in permanent disability or death	5 Very severe since there can be loss of life or permanent disability.	2 + 2 = 4	9 x 7 = 63	Currently there are no activities in the project area which can result in occupational risks to the drill workers.	Workers at drill sites must be trained on proper safety practices and potential occupational safety hazards. Drilling must be done in accordance with the contractor's relevant internal standards.	7 x 6 = 42
Reversibility		Occupational safety	5 + 2 = 7	Irreversible since some injuries can result in permanent disability or death	5 Very severe since there can be loss of life or permanent disability.	2 + 2 = 4	9 x 7 = 63	Currently there are no activities in the project area which can result in occupational risks to the drill workers.	Workers at drill sites must be trained on proper safety practices and potential occupational safety hazards. Drilling must be done in accordance with the contractor's relevant internal standards.	7 x 6 = 42
Severity		Occupational safety	5 + 2 = 7	Irreversible since some injuries can result in permanent disability or death	5 Very severe since there can be loss of life or permanent disability.	2 + 2 = 4	9 x 7 = 63	Currently there are no activities in the project area which can result in occupational risks to the drill workers.	Workers at drill sites must be trained on proper safety practices and potential occupational safety hazards. Drilling must be done in accordance with the contractor's relevant internal standards.	7 x 6 = 42
Spatial Scale + Duration		Occupational safety	5 + 2 = 7	Irreversible since some injuries can result in permanent disability or death	5 Very severe since there can be loss of life or permanent disability.	2 + 2 = 4	9 x 7 = 63	Currently there are no activities in the project area which can result in occupational risks to the drill workers.	Workers at drill sites must be trained on proper safety practices and potential occupational safety hazards. Drilling must be done in accordance with the contractor's relevant internal standards.	7 x 6 = 42
Consequence <i>x Probability</i>		Occupational safety	5 + 2 = 7	Irreversible since some injuries can result in permanent disability or death	5 Very severe since there can be loss of life or permanent disability.	2 + 2 = 4	9 x 7 = 63	Currently there are no activities in the project area which can result in occupational risks to the drill workers.	Workers at drill sites must be trained on proper safety practices and potential occupational safety hazards. Drilling must be done in accordance with the contractor's relevant internal standards.	7 x 6 = 42
Cumulative Impacts		Occupational safety	5 + 2 = 7	Irreversible since some injuries can result in permanent disability or death	5 Very severe since there can be loss of life or permanent disability.	2 + 2 = 4	9 x 7 = 63	Currently there are no activities in the project area which can result in occupational risks to the drill workers.	Workers at drill sites must be trained on proper safety practices and potential occupational safety hazards. Drilling must be done in accordance with the contractor's relevant internal standards.	7 x 6 = 42
Significance		Occupational safety	5 + 2 = 7	Irreversible since some injuries can result in permanent disability or death	5 Very severe since there can be loss of life or permanent disability.	2 + 2 = 4	9 x 7 = 63	Currently there are no activities in the project area which can result in occupational risks to the drill workers.	Workers at drill sites must be trained on proper safety practices and potential occupational safety hazards. Drilling must be done in accordance with the contractor's relevant internal standards.	7 x 6 = 42
Significance <i>If mitigated</i>		Occupational safety	5 + 2 = 7	Irreversible since some injuries can result in permanent disability or death	5 Very severe since there can be loss of life or permanent disability.	2 + 2 = 4	9 x 7 = 63	Currently there are no activities in the project area which can result in occupational risks to the drill workers.	Workers at drill sites must be trained on proper safety practices and potential occupational safety hazards. Drilling must be done in accordance with the contractor's relevant internal standards.	7 x 6 = 42
Mitigation Type Modify, remedy, control, or stop through		Occupational safety	5 + 2 = 7	Irreversible since some injuries can result in permanent disability or death	5 Very severe since there can be loss of life or permanent disability.	2 + 2 = 4	9 x 7 = 63	Currently there are no activities in the project area which can result in occupational risks to the drill workers.	Workers at drill sites must be trained on proper safety practices and potential occupational safety hazards. Drilling must be done in accordance with the contractor's relevant internal standards.	7 x 6 = 42
Mitigation Type Modify, remedy, control, or stop through		Drainage	5 + 2 = 7	Reversible but at a cost	3 Moderately severe	3 + 2 = 5	8 x 7 = 56	Currently there are no known drilling activities in the project area which can result in drainage disturbance.	Appropriate technologies that have been selected for the proposed project have less chances of disturbing the drainage surface.	7 x 6 = 42
Mitigation Type Modify, remedy, control, or stop through		Occupational safety and	5 + 1 = 6	Irreversible since some injuries can	4 Severe since there can be	2 + 2 = 4	8 + 6 = 48	Currently there are no known drilling activities in the	Drilling will make use of water for lubrication	6 x 6 = 36
Mitigation Type Modify, remedy, control, or stop through		Occupational safety and	5 + 1 = 6	Irreversible since some injuries can	4 Severe since there can be	2 + 2 = 4	8 + 6 = 48	Currently there are no known drilling activities in the	Drilling will make use of water for lubrication	6 x 6 = 36
Mitigation Type Modify, remedy, control, or stop through		Occupational safety and	5 + 1 = 6	Irreversible since some injuries can	4 Severe since there can be	2 + 2 = 4	8 + 6 = 48	Currently there are no known drilling activities in the	Drilling will make use of water for lubrication	6 x 6 = 36

Significance If mitigated		6 x 6 = 36
Mitigation Type Modify, remedy, control, or stop through	and reduction of fly rock. Drill rig will have a safety enclosure to prevent fly rock from hitting workers or locals.	Drilling will make use of biodegradable drill fluid and additives such as Black-Bear & Bentonite, respectively. Water samples will be taken on a monthly basis from nearby water bodies to test for contamination. All effluent water from the camp washing facility shall be disposed of in a properly constructed
Cumulative Impacts	project area which can result in fly rock.	Currently there is no evidence of an existing activity causing surface water contamination.
Significance Consequence x Probability		9 x 6 = 54
Spatial Scale + Duration		3 + 2 = 5
Severity	loss of life or permanent disability, even though the occurrence is unlikely.	4 Severe
Reversibility	result in permanent disability or death	Reversible but over a long time
Impact Probability Activity Frequency + Impact Frequency		5 + 1 = 6
Aspects Affected	community safety	Water resources
POTENTIAL IMPACT Including the potential impacts for cumulative impacts	result in injuries to the workers or local communities. <i>Impact status: negative</i>	Surface water contamination can occur due to spill of drill fluid or effluent water. <i>Impact status: negative</i>
NAME OF ACTIVITY		

Significance		
if mitigated		
Mitigation Type Modify, remedy, control, or stop through	French drain, situated as far as possible, but not less than 200 metres, from any stream, river, pan, dam or borehole. Any spills must be immediately to the satisfaction of the ECO by removing the spillage together with the polluted soil and by disposing of them at a suitable, licensed facility.	Any artefacts found must result in cessation of works and report the findings to SAHRA. In addition, an Environmental Control Officer must familiarise
Cumulative Impacts		Since some of the area within the project site has been cultivated before, the chances of disturbance of
Significance Consequence x Probability		
Spatial Scale + Duration		2 + 2 = 4
Severity		4 Severe
Reversibility		Irreversible since artefacts take a very long time to form
Impact Probability Activity Frequency + Impact Frequency		5 + 2 = 7
Aspects Affected		Cultural heritage
POTENTIAL IMPACT Including the potential impacts for cumulative impacts		Undiscovered artefacts can be unintentionally disturbed by drilling activities.
NAME OF ACTIVITY		

<p>Significance</p> <p>If mitigated</p>		<p>6 x 7 = 42</p>
<p>Mitigation Type Modify, remedy, control, or stop through</p>	<p>him- or herself with the formation present and its fossils.</p>	<p>No oil or lubricant storage site will be located closer than 100 metres from a stream, river, spring, dam or pan. Machinery will be checked daily and serviced regularly to reduce the chances of oil leaks. Oil trays will be used during</p>
<p>Cumulative Impacts</p>	<p>artefacts is high. Viewed together with drilling activities however, the cumulative effect is low since the project will have no excavation or digging activities.</p>	<p>Currently there is no evidence of any activities that result in water or soil contamination hence there is no cumulative effect.</p>
<p>Significance Consequence x Probability</p>		<p>8 x 7 = 56</p>
<p>Spatial Scale + Duration</p>		<p>2 + 2 = 4</p>
<p>Severity</p>		<p>4 Severe</p>
<p>Reversibility</p>		<p>Reversible but at a cost and over a long time</p>
<p>Impact Probability Activity Frequency + Impact Frequency</p>		<p>5 + 2 = 7</p>
<p>Aspects Affected</p>		<p>Water, soil</p>
<p>POTENTIAL IMPACT Including the potential impacts for cumulative impacts</p>	<p><i>Impact status: negative</i></p>	<p>Due to use of high volumes of oil and lubricants by the rig, there is a high possibility of oil leaks and spills which results in water and soil contamination.</p>
<p>NAME OF ACTIVITY</p>		<p>Fuel and lubricant storage on site</p>

Significance	
If mitigated	
Mitigation Type Modify, remedy, control, or stop through	servicing and refuelling, which will be done on impermeable surfaces. Oils residues will be disposed to approved oil recyclers. Storage of fuels and oils will be done in proper containment which has 150% bunds. There will be a soil decontaminant or hydrocarbon absorbent (e.g. Peat Sorb) on site to ensure that any oil spillages resulting in soil contamination are treated. The treated soil will be removed and disposed separately from
Cumulative Impacts	
Significance Consequence <i>x Probability</i>	
Spatial Scale + Duration	
Severity	
Reversibility	
Impact Probability Activity Frequency <i>+ Impact Frequency</i>	
Aspects Affected	
POTENTIAL IMPACT Including the potential impacts for cumulative impacts	Impact status: negative
NAME OF ACTIVITY	

Significance	
If mitigated	
Mitigation Type Modify, remedy, control, or stop through	domestic waste. Oil spills from machinery, will be collected and stored in waste collection bins and transported to the nearest licensed landfill site. The hydrocarbon fluids will be transported to site on drums. Only amounts which will be utilised during the drilling operation will be available on site at any one time. Therefore, there will not be any storage facilities on site. Suitable personal protective equipment
Cumulative Impacts	
Significance Consequence by Probability	
Spatial Scale + Duration	
Severity	
Reversibility	
Impact Probability Activity Frequency + Impact Frequency	
Aspects Affected	
POTENTIAL IMPACT Including the potential impacts for cumulative impacts	
NAME OF ACTIVITY	

Significance if mitigated		7 x 6 = 42
Mitigation Type Modify, remedy, control, or stop through	(PPE) and protective clothing will be provided.	All vehicles and heavy machinery that use combustion engines will have approved fire extinguishers. The ECO / SHE officer will carry out a fire hazard assessment. Burning of waste will be avoided. Use of fire for cooking must be done in a safe zone that is far or buffered from fuel & cleared of dry combustible vegetation
Cumulative Impacts		Currently, there is no known fuel or oil storage near the project area hence there will be no cumulative effect.
Significance Consequence x Probability		10 x 6 = 60
Spatial Scale + Duration		3 + 2 = 5
Severity		5 Very severe since the effects can be catastrophic
Reversibility		Irreversible since fire damage can be permanent
Impact Probability Activity Frequency + Impact Frequency		5 + 1 = 6
Aspects Affected		Air, Biodiversity
POTENTIAL IMPACT Including the potential impacts for cumulative impacts		Fuel and oil storage present a fire hazard. Fire can result in loss of biodiversity, injuries or loss of life. Impact status: negative
NAME OF ACTIVITY		

<p>Significance</p> <p>If mitigated</p>	<p>6 x 6 = 36</p>
<p>Mitigation Type Modify, remedy, control, or stop through</p>	<p>Contractor camps can make use of mobile toilets whose waste must be collected and disposed of into the nearest sewer system or other appropriate methods approved by law. Use of 'bush toilets' must be prohibited. Chemical toilet facilities will be used and sited on the camp site in such a way that they do not cause water or soil pollution. All effluent water from the camp washing facility shall be disposed of in a properly constructed</p>
<p>Cumulative Impacts</p>	<p>At the moment, there is no evidence of any activities that threaten to pollute the environment with sewage waste hence there will be no cumulative effect.</p>
<p>Significance Consequence x Probability</p>	<p>9 x 7 = 63</p>
<p>Spatial Scale + Duration</p>	<p>3 + 2 = 5</p>
<p>Severity</p>	<p>4 Severe since sewage waste can cause algal blooms and disturb wetlands</p>
<p>Reversibility</p>	<p>Reversible but at a cost</p>
<p>Impact Probability Activity Frequency + Impact Frequency</p>	<p>5 + 2 = 7</p>
<p>Aspects Affected</p>	<p>Soil, water</p>
<p>POTENTIAL IMPACT Including the potential impacts for cumulative impacts</p>	<p>Sewage waste is generated from the contractor camps on a daily basis. This can pose a health risk if not disposed of properly.</p> <p><i>Impact status: negative</i></p>
<p>NAME OF ACTIVITY</p>	<p>Waste generation from contractor camps</p>

Significance If mitigated		4 x 6 = 24
Mitigation Type Modify, remedy, control, or stop through	French drain, situated as far as possible, but not less than 200 metres, from any stream, river, pan, dam or borehole. Only domestic type wash water shall be allowed to enter this drain and any effluents containing oil, grease or other industrial substances must be collected in a suitable receptacle and removed from the site, for appropriate disposal at a licensed facility.	Drill contractor will put in place measures to
Cumulative Impacts		At the moment, there are no known
Significance Consequence x Probability		6 x 6 = 36
Spatial Scale + Duration		2 + 2 = 4
Severity		2
Reversibility		Reversible but at a cost
Impact Probability Activity Frequency + Impact Frequency		5 + 1 = 6
Aspects Affected		Soil, Water, Biodiversity
POTENTIAL IMPACT Including the potential impacts for cumulative impacts		Solid waste will be generated
NAME OF ACTIVITY		

Significance	
If mitigated	
Mitigation Type Modify, remedy, control, or stop through	<p>reduce waste, for example workers will be provided with metal cutlery and not use disposables.</p> <p>Use of Styrofoam will be avoided at all cost.</p> <p>Non-biodegradable refuse such as glass bottles, plastic bags, metal scrap, etc., will be stored in a container at a collecting point and collected on a regular basis and disposed of at a recognised disposal facility.</p> <p>Specific precautions will be taken to prevent refuse from being</p>
Cumulative Impacts	<p>activities generating waste in the vicinity of the project area. Therefore there will be no cumulative effect.</p>
Significance Consequence x Probability	
Spatial Scale + Duration	
Severity	Almost severe
Reversibility	
Impact Probability Activity Frequency + Impact Frequency	
Aspects Affected	
POTENTIAL IMPACT Including the potential impacts for cumulative impacts	<p>daily from the contractor camps. This can distort the environment and pollute water resources.</p> <p><i>Impact status: negative</i></p>
NAME OF ACTIVITY	

<p>Significance</p> <p>If mitigated</p>		<p>6 x 6 = 36</p>
<p>Mitigation Type</p> <p>Modify, remedy, control, or stop through</p>	<p>dumped on or in the vicinity of the camp site.</p>	<p>Where soil clearing is done, it will be done in stages; top soil removed first and stored carefully to preserve its functions as a seed bank, the soil after top soil and stones will be stored separately for use in filling dongas</p> <p>Riparian ecosystem will not be disturbed since it buffers rivers and wetlands from being silted by eroded soil. Where necessary, drainage systems will</p>
<p>Cumulative Impacts</p>		<p>The project site is in an area cultivated before and there has been erosion. Most of the project area has farms, fields and communal lands which are already cleared of vegetation. The cumulative effect will be high.</p>
<p>Significance</p> <p>Consequence</p> <p>x Probability</p>		<p>8 x 7 = 56</p>
<p>Spatial Scale + Duration</p>		<p>2 + 2 = 4</p>
<p>Severity</p>		<p>4 Severe</p>
<p>Reversibility</p>		<p>Reversible but at a cost</p>
<p>Impact Probability</p> <p>Activity Frequency</p> <p>+ Impact Frequency</p>		<p>5 + 2 = 7</p>
<p>Aspects Affected</p>		<p>Soil</p>
<p>POTENTIAL IMPACT Including the potential impacts for cumulative impacts</p>		<p>Soil erosion may result from the movement of workers and vehicles into and out of the drill site. Eroded soil can cause sedimentation of water bodies.</p> <p>Impact status: <i>negative</i></p>
<p>NAME OF ACTIVITY</p>		

NAME OF ACTIVITY	POTENTIAL IMPACT Including the potential impacts for cumulative impacts	Aspects Affected	Impact Probability Activity Frequency + Impact Frequency	Reversibility	Severity	Spatial Scale + Duration	Significance Consequence x Probability	Cumulative Impacts	Mitigation Type Modify, remedy, control, or stop through	Significance if mitigated
REHABILITATION										
Rehabilitation of drill holes	Drill holes must not be left uncovered. They must be rehabilitated. Uncovered drill boreholes can result in aquifer contamination. <i>Impact status: negative</i>	Water	1 + 2 = 3	Reversible but over time	2 Almost severe	3 + 1 = 4	6 x 3 = 18	Currently there is no evidence of aquifer contamination from any activity in the project area.	Drill holes will be plugged if they must be used again or filled there is no further use for them.	6 x 3 = 18
Rehabilitation of access roads	Unrehabilitated access roads can promote soil erosion and can distort the natural	Soil	1 + 2 = 3	Reversible but over a long period of time	3 Potentially severe	2 + 2 = 4	7 x 3 = 21	Currently there are no other known access roads	Roads will be ripped or ploughed, and if necessary, appropriately fertilised (based on a soil	6 x 3 = 18

Significance If mitigated		
Mitigation Type Modify, remedy, control, or stop through	analysis) to ensure the regrowth of vegetation. Imported road construction materials which may hamper regrowth of vegetation will be removed and disposed of in an approved manner prior to rehabilitation.	Once the contractor camp has been removed, vegetation will be planted to control soil erosion. The site shall be seeded with a vegetation seed mix
Cumulative Impacts	passing through fields.	Viewed alone, soil erosion due to project closure will be high. Combined with the already moderately high erosion rate due to cultivation, the
Significance Consequence <i>x Probability</i>		8 x 5 = 40
Spatial Scale + Duration		2 + 2 = 4
Severity		4 Severe as there is already soil erosion occurring in the area emanating
Reversibility		Partially reversible as soil lost by erosion is hard and costly to recover
Impact Probability Activity Frequency <i>+ Impact Frequency</i>		1 + 4 = 5
Aspects Affected		Soil
POTENTIAL IMPACT Including the potential impacts for cumulative impacts	look of the environment. This can also make future cultivation difficult where an access road passes through arable land or a crop field. <i>Impact status: negative</i>	Soil erosion can worsen after the contractor camps have been removed as soil previously covered by
NAME OF ACTIVITY		Rehabilitation of camp sites

Significance		7 x 4 = 28
Mitigation Type Modify, remedy, control, or stop through	adapted to reflect the local indigenous flora.	Metal components can be stowed away for reuse or recycling. Any gate or fence erected by the applicant which is not required by the landowner/tenant, shall be removed and the area restored to the pre prospecting condition. Where office/camp sites have been rendered devoid of vegetation / grass or where soils have been compacted owing to
Cumulative Impacts	cumulative effect is high.	No activities causing environmental distortion or compaction were recorded during desktop studies, therefore there will be no cumulative effects
Significance Consequence x Probability		8 x 4 = 32
Spatial Scale + Duration		2 + 3 = 5
Severity	from agricultural activities.	3 Potentially severe
Reversibility		Partially reversible
Impact Probability Activity Frequency + Impact Frequency		1 + 3 = 4
Aspects Affected		Land, Soil
POTENTIAL IMPACT Including the potential impacts for cumulative impacts	structures will be left bare. <i>Impact status: negative</i>	Contractor camp must be disbanded properly after exploration. If not done properly, non-degradable waste can pollute or distort the environment whilst soil compaction can occur.
NAME OF ACTIVITY		

Significance <i>If mitigated</i>		6 x 4 = 24
Mitigation Type Modify, remedy, control, or stop through	traffic, the surface will be scarified or ripped. All infrastructure, equipment, plant, temporary housing and associated infrastructure used during the prospecting period will be removed from the site	Pits will be filled after exploration has been finished since people and animals may fall resulting in injuries or loss of life or livestock. Areas containing French drains will be compacted and covered with a final layer of topsoil to a
Cumulative Impacts		Currently there are no activities in the area resulting in disturbance of water bodies therefore there will be no cumulative effects
Significance Consequence x Probability		8 x 6 = 48
Spatial Scale + Duration		3 + 2 = 5
Severity		3 Potentially severe since the water bodies in the area are undisturbed.
Reversibility		Partially reversible and at a cost
Impact Probability Activity Frequency + Impact Frequency		1 + 5 = 6
Aspects Affected		Social, water
POTENTIAL IMPACT Including the potential impacts for cumulative impacts	Impact status: negative	Water sumps and water abstraction sites must be rehabilitated. Water abstraction sites can result in siltation if not rehabilitated whilst uncovered water sumps can pose a risk to
NAME OF ACTIVITY		Rehabilitation of water abstraction sites and water sumps

Significance		7 x 4 = 28
Mitigation Type Modify, remedy, control, or stop through	height of 10cm above the surrounding ground surface.	Campsite waste will be recycled or send to a landfill where not possible. All waste material of any nature, including receptacles, scrap, rubble and tyres, will be removed entirely from the prospecting area. and disposed of at a licenced landfill facility. No waste will be permitted to be buried or burned on site.
Cumulative Impacts		There is currently no evidence of any activities causing contamination of water or soil resources; therefore there will be no cumulative effects
Significance Consequence x Probability		8 x 4 = 32
Spatial Scale + Duration		2 + 3 = 5
Severity		3 Potentially severe
Reversibility		Partially reversible at a high cost
Impact Probability Activity Frequency + Impact Frequency		1 + 3 = 4
Aspects Affected		Land, water and soil
POTENTIAL IMPACT Including the potential impacts for cumulative impacts	humans and livestock. Impact status: negative	Campsite waste can pollute land, water and soil resources. Impact status: negative
NAME OF ACTIVITY		Collection and transportation of drill and camp site waste

Significance If mitigated	
Mitigation Type Modify, remedy, control, or stop through	Care will be taken to avoid spills and leakages when camp site is being closed. Water samples will be taken close to where the site was after site closure.
Cumulative Impacts	There is currently no evidence of any activities causing contamination of water resources therefore there will be no cumulative effects
Significance Consequence <i>x Probability</i>	8 x 4 = 32
Spatial Scale + Duration	3 + 2 = 5
Severity	3 Potentially severe
Reversibility	Reversible at a high cost
Impact Probability Activity Frequency <i>+ Impact Frequency</i>	1 + 3 = 4
Aspects Affected	Water
POTENTIAL IMPACT Including the potential impacts for cumulative impacts	Water resources can be contaminated by leftover oil or drill fluid during the decommissioning of the campsite. <i>Impact status: negative</i>
NAME OF ACTIVITY	

Appendix t.1-1: SIA Report



MYEZO ENVIRONMENTAL MANAGEMENT SERVICES

Environmental Stewardship

ZASTROCODE (PTY) LTD - POSTMASBURG - BASIC ASSESSMENT

SOCIO-ECONOMIC IMPACT ASSESSMENT REPORT IN SUPPORT OF ENVIRONMENTAL AUTHORISATIONS APPLICATION (BASIC ASSESSMENT PROCESS) IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998, 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) FOR THE PROPOSED PROSPECTING IRON ORE AND MANGANESE ORE ON THE FARMS THORNS 407, DUINE 437, RECORD 411, LOSKOP 414, OATLANDS 406, AND TOWTON 415, LOCATED APPROXIMATELY 50 KM NORTH WEST OF KATHU TOWN, IN THE MAGISTERIAL DISTRICT OF KURUMAN, WITHIN TSANTSABANE LOCAL MUNICIPALITY, NORTHERN CAPE PROVINCE

Date: 22 May 2021

Document Status: Ver 1.0

Appendix t1-1

Myezo Ref: ZPB 2021/01

DMRE ref: NC30/5/1/1/2/12709 PR

ZASTROCODE (PTY) LTD - POSTMASBURG - BASIC ASSESSMENT

SOCIO-ECONOMIC IMPACT ASSESSMENT REPORT IN SUPPORT OF ENVIRONMENTAL AUTHORISATIONS APPLICATION (BASIC ASSESSMENT PROCESS) IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998, 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) FOR THE PROPOSED PROSPECTING IRON ORE AND MANGANESE ORE ON THE FARMS THORNS 407, DUINE 437, RECORD 411, LOSKOP 414, OATLANDS 406, AND TOWTON 415, LOCATED APPROXIMATELY 50 KM NORTH WEST OF KATHU TOWN, IN THE MAGISTERIAL DISTRICT OF KURUMAN, WITHIN TSANTSABANE LOCAL MUNICIPALITY, NORTHERN CAPE PROVINCE

Date: 22 May 2021

Document Status: Ver 1.0

Appendix t1-1

Myezo Ref: ZPB 2021/01


DMRE ref: NC30/5/1/1/2/12709 PR

DOCUMENT REVIEW AND APPROVAL



**MYEZO ENVIRONMENTAL
MANAGEMENT SERVICES**

Environmental Stewardship

Prepared by	Lynn Madziwanzira		
Reviewed by	Babalwa Fatyi		
Document Authorisation	Name	Signature	Date
Approved by	B. Fatyi		22 May 2021

ZASTROCODE (PTY) LTD - POSTMASBURG - BASIC ASSESSMENT

SOCIO-ECONOMIC IMPACT ASSESSMENT REPORT IN SUPPORT OF ENVIRONMENTAL AUTHORISATIONS APPLICATION (BASIC ASSESSMENT PROCESS) IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998, 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) FOR THE PROPOSED PROSPECTING IRON ORE AND MANGANESE ORE ON THE FARMS THORNS 407, DUINE 437, RECORD 411, LOSKOP 414, OATLANDS 406, AND TOWTON 415, LOCATED APPROXIMATELY 50 KM NORTH WEST OF KATHU TOWN, IN THE MAGISTERIAL DISTRICT OF KURUMAN, WITHIN TSANTSABANE LOCAL MUNICIPALITY, NORTHERN CAPE PROVINCE

Date: 22 May 2021

Document Status: Ver 1.0

Appendix t1-1

Myezo Ref: ZPB 2021/01

DMRE ref: NC30/5/1/1/2/12709 PR



**MYEZO ENVIRONMENTAL
MANAGEMENT SERVICES**

Environmental Stewardship

DISCLAIMER

This report has been prepared by Myezo Environmental Management Services (Pty) Ltd with all reasonable skill, care and diligence within the terms of the Contract with the client, incorporating all contractual agreements and taking account of the resources devoted to it by agreement with the client.

We disclaim any responsibility to the client and others in respect of any matters outside the scope of the above.

This report is confidential to the client and we accept no responsibility of whatsoever nature to third parties to whom this report, or any part thereof, is made known. Any such party relies on the report at their own risk.

OWNERSHIP OF REPORTS AND COPYRIGHTS

This report and all other relevant documentation and formats are the property of the authors. The information, ideas and structure are subject to the copyright laws or statutes of South Africa and may not be reproduced in part or in whole, or disclosed to a third party, without prior written permission of the author.

Copyright in all documents, drawings, and records, whether produced manually or electronically, that form part of this report or project document shall vest in Myezo Environmental Management Services (Pty) Ltd (Myezo) and the client. None of the documents, drawings or records may be used or applied in any manner, nor may they be reproduced or transmitted in any form or by any means whatsoever for or to any other person, without the prior written consent of Myezo, except when they are reproduced for purposes of this report objectives.

ZASTROCODE (PTY) LTD - POSTMASBURG - BASIC ASSESSMENT

SOCIO-ECONOMIC IMPACT ASSESSMENT REPORT IN SUPPORT OF ENVIRONMENTAL AUTHORISATIONS APPLICATION (BASIC ASSESSMENT PROCESS) IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998, 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) FOR THE PROPOSED PROSPECTING IRON ORE AND MANGANESE ORE ON THE FARMS THORNS 407, DUINE 437, RECORD 411, LOSKOP 414, OATLANDS 406, AND TOWTON 415, LOCATED APPROXIMATELY 50 KM NORTH WEST OF KATHU TOWN, IN THE MAGISTERIAL DISTRICT OF KURUMAN, WITHIN TSANTSABANE LOCAL MUNICIPALITY, NORTHERN CAPE PROVINCE

Date: 22 May 2021

Document Status: Ver 1.0

Appendix t1-1

Myezo Ref: ZPB 2021/01

DMRE ref: NC30/5/1/1/2/12709 PR



**MYEZO ENVIRONMENTAL
MANAGEMENT SERVICES**

Environmental Stewardship

DOCUMENT CONTROL AND REVISION LIST

REVISION LIST

Revision	Nature of amendment	Compiled by	Approved by	Date of amendment
This document (Ver 1)	No amendments to date	Lynn Madziwanzira	Babalwa Fatyi	22 May 2021

Table of Contents

1. Project Introduction and background.....	1
1.1 Introduction.....	1
1.2 Background.....	1
1.3 Project Location.....	1
2. Policy legal and administrative framework.....	4
2.1 Constitution of the Republic of South Africa Act (No. 108 of 1996)	4
2.2 National Environment Management Act (Act 107 of 1998).....	4
2.3. Environmental Impact Assessment Regulations of 2014	4
2.4 National Water Act (No. 36 of 1998)	5
2.5 National Environmental Management: Biodiversity Act (Act No. of 2004)	5
2.6 National Heritage Act (Act No. 25 of 1999)	5
2.7 South African Mining Charter.....	5
2.8 Labour Relates Statutes	6
2.9 Occupational Health and Safety Act (No. 85 of 1993).....	6
2.10 Promotion of Administrative Justice Act (No. 3 of 2000)	6
2.11 National Development Plans (vision 2030)	6
2.12 Performance Standards on Environmental and Social	6
2.12.1 Performance Standard 1: Social and Environmental Assessment and Management Systems	7
2.12.2 Performance Standard 4: Community Health, Safety and Security.....	7
2.12.3 Performance Standard 6: Biodiversity Conservation and Sustainable Management of Living Natural Resources.....	7
2.12.4 Performance Standard 8: Cultural heritage	7
3. Project Area	7
3.1 Regional Study Area.....	7
3.2 Local Study Area	8
3.3 Project Area.....	8
4. Methodology	11
5. Social Baseline Data	12
5.1 Demographic Profile	12
5.2 Educational profile	14
5.3 Health.....	16
5.4 Economic Activities and Incomes	16

5.5 Cultural Heritage.....	17
6. Potential Socio-economic Impacts	17
7. Data Gaps and Assessment Shortcomings	34
8. Conclusions and Recommendations	35
9. References	36

List of Figures

Figure 1.3-1: Project locality map.....	6
Figure: 3.3-1: Regional Map showing the location of ZF Mgcawu in the northern Cape Province.....	10
Figure 5.1-1: Population of the regional and local study areas in 2011 and 2016.....	15
Figure 5.1-2: Tsantsabane Racial Profile	16
Figure 5.1-3: Ratio of males to females in the regional and local study areas	17
Figure 5.1-4: TLM Population Pyramid	17
Figure 5.2-1: Educational Levels by Gender in TLM	18
Figure 5.4-1: Major Economic Sectors in ZFMDM	20

List of Tables

Table 5.2-1: Schools in TLM	18
Table 5.3-1: List of Hospitals in ZF Mgcawu District Municipality.....	19
Table 6.1-1: Impact assessment factors	21
Table 6.1-2: Impact assessment scoring methodology	21
Table 6.1-3: Significance of impact based on point allocation	22
Table 6.1-4: Summary of Potential Significant Socio-economic Impacts.....	24

ABBREVIATIONS

BAR: Basic Assessment Report

CA: Competent Authority

COVID-19: Corona Virus Disease of 2019

DEFF: Department of Environment, Forestry and Fisheries

DMRE: Department of Mineral Resources and Energy

EA: Environmental Authorisation

EAP: Environmental Assessment Practitioner

HIV: Human Immunodeficiency Virus

IDP: Integrated Development Plan

IFC: International Finance Corporation

MPRDA: Mineral and Petroleum Resources Development Act (Act No. 28 of 2002) as amended

Myezo: Myezo Environmental Management Services (Pty) Ltd

NEMA: National Environmental Management Act (Act 107 of 1998)

NEM:BA: National Environmental Management: Biodiversity Act (No. 10 of 2004)

NEMA: National Environmental Management Act (Act 107 of 1998)

NHRA: National Heritage Resources Act (Act No. 25 of 1999)

OHSA: Occupational Health and Safety Act (Act No. 85 of 1993)

SAHRA: South African Heritage Resources Agency

SDF: Spatial Development Framework

Stats SA: Statistics South Africa

TB: Tuberculosis

TLM: Tsantsabane Local Municipality

Zastrocode: Zastrocode (Pty) Ltd

ZFMDM: ZF Mgcawu District Municipality

1. Project Introduction and background

1.1 Introduction

This socio-economic impact assessment report (SIA) is compiled as part of environmental authorisation and prospecting right applications in terms of National Environmental Management Act (Act 107 of 1998) (NEMA) for the listed activities triggered by applications in terms of the Mineral and Petroleum Resources Development Act, 2002 (MPRDA) (as amended) for the proposed exploration of iron and manganese ore on farms Thorns 407, Duine 437, Record 411, Loskop 414, Oatlands 406, and Towton 415, Located approximately 50 Km North West of Kathu Town, in the Magisterial District of Kuruman, within Tsantsabane Local Municipality, Northern Cape Province.

1.2 Background

Zastrocode (Pty) Ltd (Zastrocode) is a South African owned company with interests in the exploration of mineral resources such as coal, manganese and iron ore. Zastrocode submitted a Mineral Prospecting Right and Environmental Authorisation (EA) application to the Department of Mineral Resources and Energy (DMRE), the Competent Authority (CA) for this project.

The minerals of interest for prospecting, under the current study, are iron ore and manganese ore, and the area is approximately 20 061,27 hectares in extent.

Non-invasive and invasive (drilling) techniques will be utilised during prospecting. Non-invasive activities will include geological mapping; geological modelling, analysis of in-situ ore materials, and exploration scheduling analysis; and literature review. Invasive activities will include geological mapping; ground magnetic surveys; Diamond, Air Core, Rotary Air Blast (RAB) or Reverse circulation (RC) drilling of about 40 drill holes of depths ranging from 50 m to 100 m and 1 00 x 100 m drill spacing; and rehabilitation. Prospecting activities will make use of existing roads as far as possible, however, additional tracks estimated as five (5) km in length as well as 40 drill-pads will be created.

The proposed activities trigger listed activities under National Environmental Management Act (NEMA) regulations as published in Government Gazette No. Gazette No. 3822, as amended in 2017 under GN R326, hence, require that an environmental authorisation be sort before commencement of activities. Subsequently, Zastrocode has appointed Myezo Environmental Management Services (Pty) Ltd (Myezo) as the Environmental Assessment Practitioner to undertake environmental studies and acquire an environmental authorisation for the proposed activities.

1.3 Project Location

The proposed project site covers farms farms Thorns 407, Duine 437, Record 411, Loskop 414, Oatlands 406, and Towton 415, Located approximately 50 Km North West of Kathu Town, in the Magisterial District of Kuruman, within Tsantsabane Local Municipality, Northern Cape Province.

Figure 1.3-1 and Figure 1.3-2 shows the project locality Regional maps respectively.

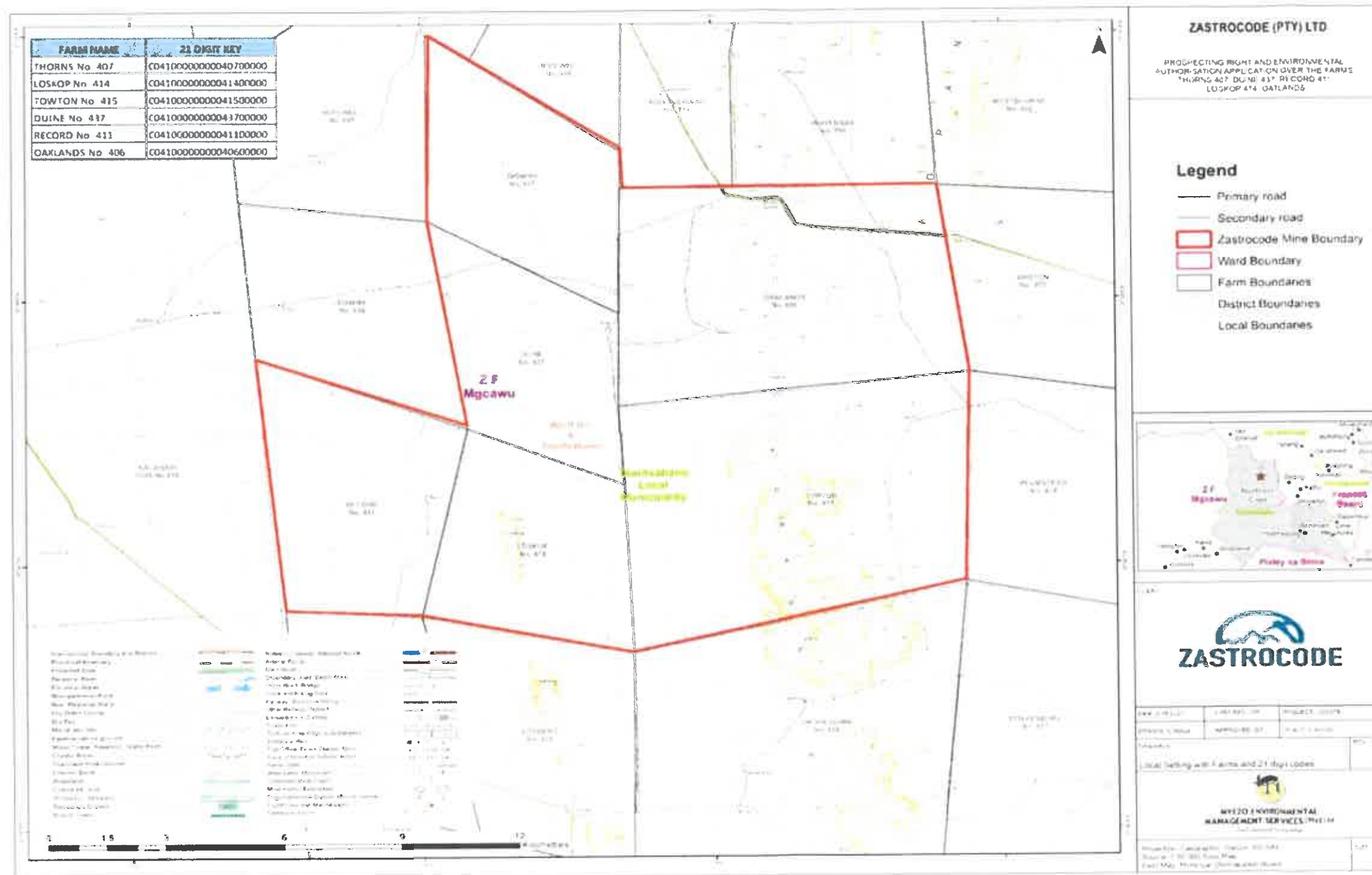


Figure 1.3-1: Project locality map

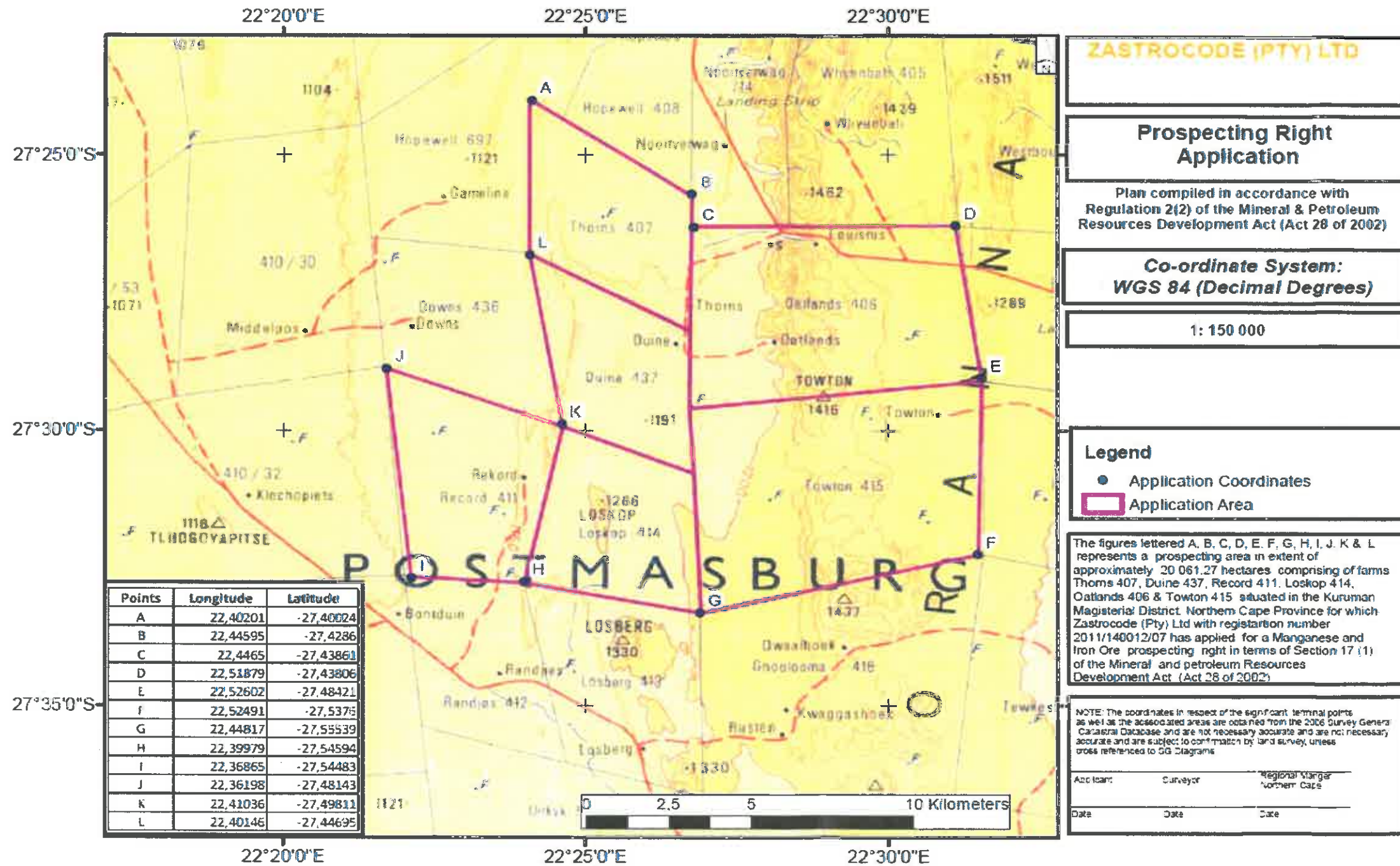


Figure 1.3-2: Regional Map

2. Policy legal and administrative framework

There are a number of relevant legislations, policies and guidelines that underpin development in the context of social, economic and environmental aspects. The two central South African acts for mining development projects are the National Environmental Management Act (NEMA), 1998 (Act No. 107 of 1998) and the Mineral and Petroleum Resources Development Act (MPRDA), 2002 (Act No. 28 of 2002). However, these acts do not stipulate how or to what extent a social study should be undertaken; however, the legislation does identify the need for a holistic assessment of projects incorporating both the environmental and social aspects. Therefore, it is imperative that socio-economic studies be aligned to the objectives of these legal statutes. This socio-economic impact assessment is undertaken in accordance with the legal and administrative framework documents listed in this section.

2.1 Constitution of the Republic of South Africa Act (No. 108 of 1996)

Section 24 of Chapter 2 on the Bill of Rights deals with the rights of people to an environment that is not harmful to their health or wellbeing; an environment that should be protected; and, that sustainable development should be secured whilst promoting economic and social development.

Section 25 provides that "A person or community whose tenure of land is legally insecure as a result of past racially discriminatory laws or practices is entitled to the extent provided by an Act of Parliament, either to tenure which is legally secure or comparable redress".

Section 27 of the same chapter affirms the rights of everyone to access to sufficient food and water.

2.2 National Environment Management Act (Act 107 of 1998)

The National Environment Management Act (Act 107 of 1998) (NEMA), as amended, outlines several principles that apply to actions that may significantly affect the environment. In the context of this SIA, the following principles are applicable:

- Environmental management must place people and their needs at the forefront of its concern, and serve their physical, psychological, developmental, cultural and social interests equitably;
- Development must be socially, environmentally and economically sustainable; and
- The social, economic and environmental impacts of activities, including disadvantages and benefits, must be considered, assessed and evaluated, and decisions must be appropriate in the light of such consideration and assessment.

2.3. Environmental Impact Assessment Regulations of 2014

Environmental Impact Assessment Regulations of 2014, GN R983, as amended in 2017 under GN R 326 regulate applications for environmental authorisation, subjected to environmental impact assessment, to avoid or mitigate detrimental impacts on the environment, and to optimise positive environmental impacts.

2.4 National Water Act (No. 36 of 1998)

This act regulate water uses as listed under Section 21 of the Act. The use of water on the proposed activities should be guided by this Act. In the event that any activities listed under the National Water Act (NWA) are triggered, then a water authorisation will be sort.

2.5 National Environmental Management: Biodiversity Act (Act No. of 2004)

This includes the protection of species and ecosystems; the sustainable use of indigenous biological resources; the fair and equitable sharing of benefits arising from bioprospecting involving indigenous biological resources; and the establishment of a South African National Biodiversity institute. The proposed development should not hinder other landowners to access biological resources and or should not result in the degradation of biological resources offering ecosystem services to other landowners and the community at large.

2.6 National Heritage Act (Act No. 25 of 1999)

The act governs the integration of heritage resources conservation in economic developmental projects. It states that when any paleontological resources are discovered during developmental work, works must cease and a report done to the South African Heritage Resources Agency (SAHRA).

Controls for the protection of natural and cultural heritage resources. No person may, without a permit issued by SAHRA or a provincial heritage resources authority—

- (a) destroy, damage, alter, exhume or remove from its original position or otherwise disturb the grave of a victim of conflict, or any burial ground or part thereof which contains such graves; and
- (b) destroy, damage, alter, exhume, remove from its original position or otherwise disturb any grave or burial ground older than 60 years which is situated outside a formal cemetery administered by a local authority.

2.7 South African Mining Charter

The act focuses on sustainable transformation of the mining industry. Mining Charter seeks to achieve the following objectives:

- (a) To promote equitable access to the nation's mineral resources to all the people of South Africa;
- (b) To substantially and meaningfully expand opportunities for HDSA to enter the mining and minerals industry and to benefit from the exploitation of the nation's mineral resources;
- (c) To utilise and expand the existing skills base for the empowerment of HDSA and to serve the community;
- (d) To promote employment and advance the social and economic welfare of mine communities and major labour sending areas;
- (e) To promote beneficiation of South Africa's mineral commodities; and (f) Promote sustainable development and growth of the mining industry.

Social management and mitigation measures, to be developed as part of the SIA, will be aligned to the Mining Charter, if need be.

2.8 Labour Relates Statutes

The set of Acts discussed below refers to good labour practices and socio-economic rights of workers as well as health aspects to be observed in a work environment. These Acts are:

- Labour Relations Act (LRA) (No. 66 of 1995).
- Basic Conditions of Employment Act (BCEA) (No. 75 of 1997)

At various phases (preconstruction, construction, and decommissioning phases) of the proposed project there will be jobs created and therefore all these Acts are applicable. The LRA and the BCEA give effect to rights conferred in the Constitution, which are in Sections 23 and 27, respectively. The LRA aims to promote economic development, social justice, labour peace and democracy in the workplace; whilst the BCEA gives effect to the right to fair labour practices.

2.9 Occupational Health and Safety Act (No. 85 of 1993)

At the workplace, the Occupational Health and Safety Act (OHSA) outlines clear responsibilities for both employees and employers in ensuring that a safe work environment is created and maintained at all times. This will also apply to the requirement that appropriate safety clothing, gear and equipment be provided to workers. With the prevalence of COVID-19, the issue of personal protective equipment will become critical to monitor during implementation of the project.

2.10 Promotion of Administrative Justice Act (No. 3 of 2000)

The Act encourages consultation of communities by state organs when they take decisions that impact on individuals and communities by giving them an opportunity to comment; failing which; the ultimate decision will be unlawful. Information in the possession of the project team, confirms that there have been regular consultations with the affected parties; and, that a Community Stakeholder representative is recognised and or appointed by the developer.

2.11 National Development Plans (vision 2030)

The National Development Plan identifies challenges and achievements that the country has recorded since 1994. The Spatial Planning and Land Use Management Act - SPLUMA (No. 16 of 2013)

The SPLUMA amongst other principles, provides the following key principle, which has a bearing on assessing the proposed development in line with national requirements:

- Sustainable development of land requires the integration of social, economic and environmental considerations in both forward planning and on-going land use management to ensure that development of land serves present and future generations.

2.12 Performance Standards on Environmental and Social

The International Finance Corporation (IFC): Performance Standards on Environmental and Social Sustainability (IFC, 2012) have been considered and incorporated throughout this assessment. The main standards applicable to this SIA study are summarised in this section.

2.12.1 Performance Standard 1: Social and Environmental Assessment and Management Systems

The objectives of Performance Standard 1 are to:

- Identify and assess social and environmental impacts, both adverse and beneficial, in the project's area of influence;
- Avoid, or where avoidance is not possible, minimise, mitigate, or compensate for adverse impacts on workers, affected communities, and the environment;
- Ensure that affected communities are appropriately engaged on issues that could potentially affect them; and
- Promote improved social and environmental performance of companies through the effective use of management systems.

2.12.2 Performance Standard 4: Community Health, Safety and Security

The objectives of Performance Standard 4 are:

- To ensure that the safeguarding of personnel and property is carried out in a legitimate manner that avoids or minimises risks to the community's safety and security; and
- To avoid or minimise risks to and impacts on the health and safety of the local community during the project life-cycle from both routine and non-routine circumstances.

2.12.3 Performance Standard 6: Biodiversity Conservation and Sustainable Management of Living Natural Resources

The project effects on biodiversity and natural resource management and utilisation are contained in the Biodiversity Impact Assessment, with the main findings presented in the Scoping and EIA Reports.

2.12.4 Performance Standard 8: Cultural heritage

The objectives of Performance Standard 8 are to:

- Identify and reduce or avoid adverse impacts on cultural heritage resources; and
- Ensure the participation of affected communities in the identification of, and potential mitigation of cultural heritage resources, recommending appropriate strategies for impact reduction and long-term cultural heritage management.

3. Project Area

In order to assess potential socio-economic impacts of the proposed Project, it is important to first understand, at a very high-level, the socio-economic context in which the proposed Project is to be developed. This potential area of impact is referred to as either the regional study area or the local study area and may extend beyond the project boundaries depending on the scale of the potential socio-economic impact. For the purposes of this SIA, the assessment will focus on three levels, namely the regional study area, the local study area, and the project site.

3.1 Regional Study Area

The project site is located within the jurisdiction of Tsantsabane Local Municipality within ZFMDM, within the Northern Cape Province. The ZFMDM is one of the five (5) districts in the

Northern Cape Province covering approximately 100 000 km², equating to about 30% of the Province's total area (ZFMDM IDP 2020-2021). An estimated area of 65 000 km² comprise of the vast Kalahari Desert, Kgalagadi Tran frontier Park and the former Bushman Land. ZFMDM is a Category C Municipality with the local municipal offices located in Upington and is made up of is made up of five (5) local municipalities which are: (1) Kai! Garib; (2) Dawid Kruiper; (3) Tsantsabane; (4) !Kheis; and (5) Kgatelopele (Municipalities of South Africa, 2021). The District Municipality share borders with Botswana to the north and Namibia to the west.

3.2 Local Study Area

Tsantsabane Local Municipality (TLM) covers an area of 5 877 km² and is made up of 7 wards and the project area falls within Ward 6 and 7. The Tsantsabane Local Municipality IDP 2020-2021 state that the local municipality is located within the falls in the Gamagara Corridor that comprises of the mining belt of the John Taolo Gaetsewe and ZF Mgcawu districts and runs from Lime Acres and Danielskuil to Hotazel in the north. The corridor focuses on the mining of iron and manganese. The presence of the mining belt makes TLM a mining area.

Postmasburg is the service town within TLM located about 200 km and 240 km from Kimberly and Upington respectively. TLM is made up of townships namely: Boichoko; Newtown; Whitecity; Potsdene; Mountainview; and Greenfield and rural settlements namely: Jenn-Haven; Maremane; Groenwater; and Skeyfontein.

In terms of road networks, major routes, the R385 runs through Postmasburg from Kimberley through Beeshoek and the R309 and the R325 to Kathu.

3.3 Project Area

The proposed site falls under Postmasburg town stretching about 110 km to 140 km to the north west of the town. Tswalu Nature Reserve is located about 23 kilometers north west the site, Kathu about 55 km on the south east, Hotazel at about 60 km north east, of is also located about 150 km north east of Upington town, about 100 km west of Kuruman, Beeshoek at approximately 105 km to the south east, Griquatown located about 170 km to the to the south east, Kuruman about 270 to the south east. In addition, Kimberly is located about 280 km south east of the project area. Figure 3.3.1 shows the project area within the Regional context and Figure 3.3-2 shows the project area within the local context.

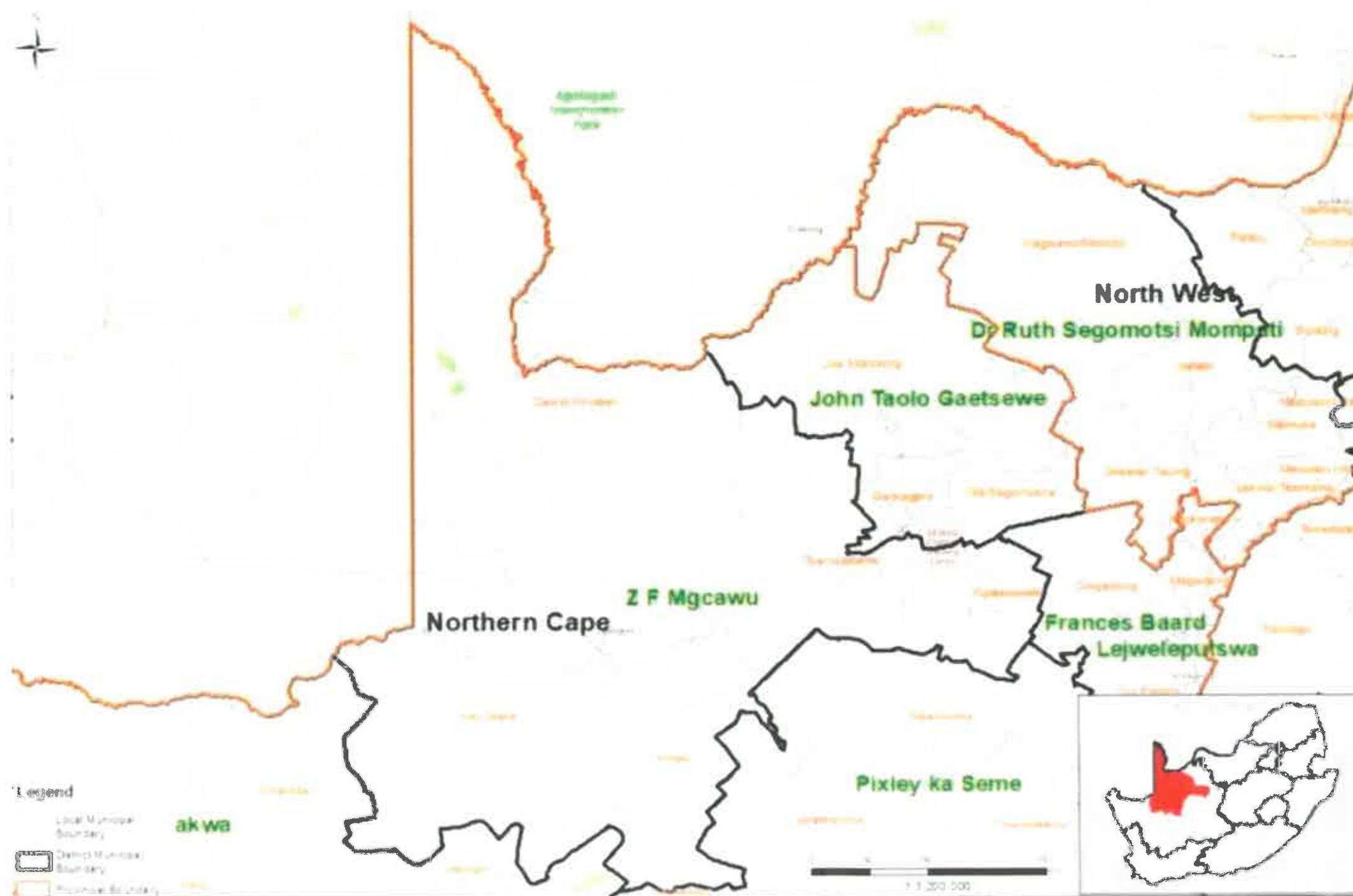


Figure 3.3-1: Regional Map showing the location of ZF Mgcau in the northern Cape Province (Source: ZF Mgcau Profile, 2019)

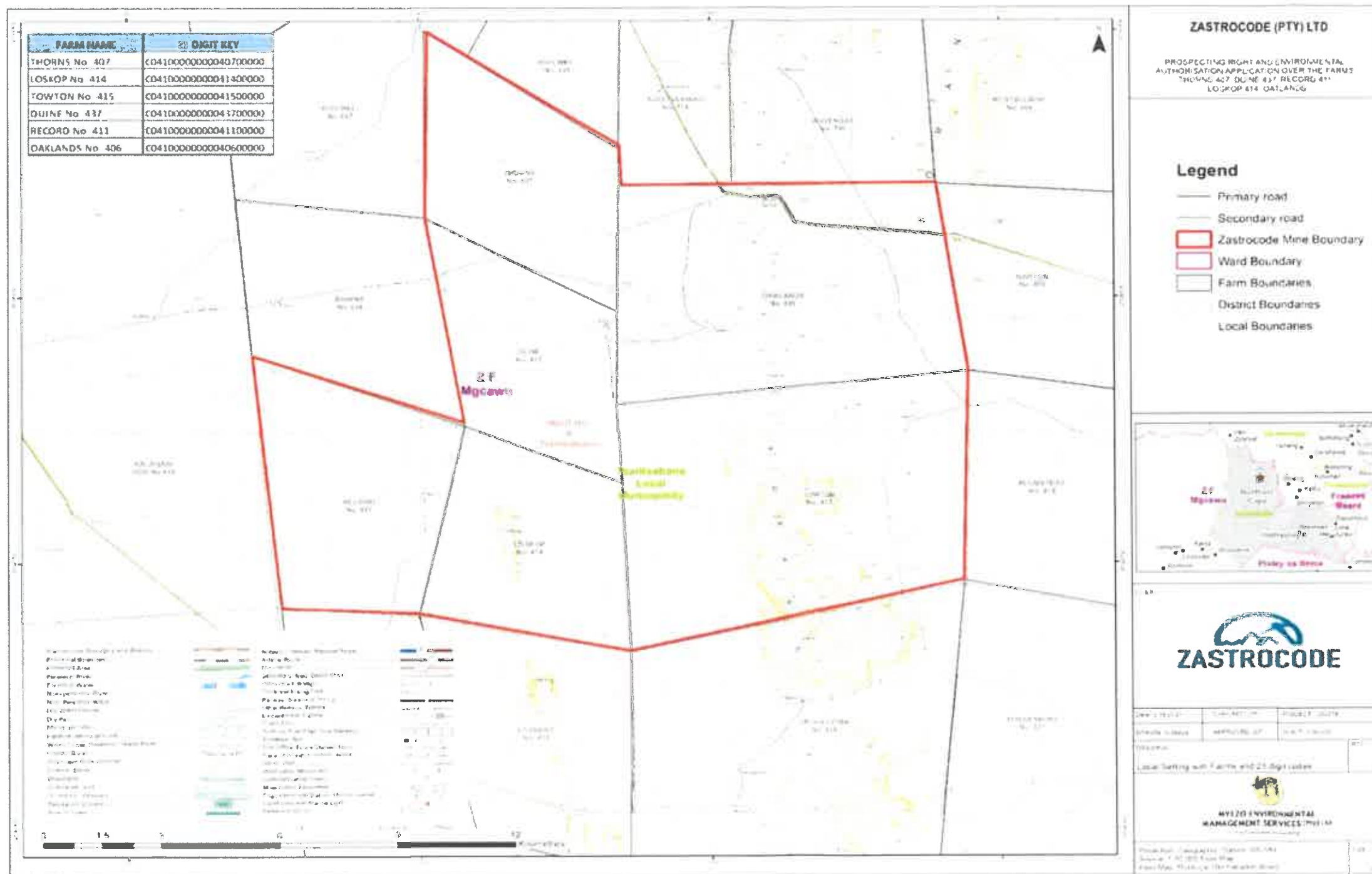


Figure 3.3-2: Project Locality Map

4. Methodology

The study was designed to comply with the relevant national legislative requirements, such as those stipulated in National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA) and Mineral and Petroleum Resources Development Act, 2002 (MPRDA) (Act No. 28 of 2002), as well as with the relevant international best-practice standards, such as the Equator Principles, World Bank Standards and International Finance Corporation (IFC) Principles and Performance Standards. The activities undertaken as part of the study comprised the following:

- Defining the site-specific, local and regional study areas;
- Data collection, including a desktop review, investigative site visit, interviews with key informants, and a review of information from other specialist studies and the public participation process;
- The compilation of a baseline profile, including information on demographics, education, skills levels, employment, local and regional economic conditions, infrastructure and service delivery, health and gender-related issues, community needs and challenges and spatial development. Information pertaining to other projects operating in the local municipal area is also presented, as are the prevalent concerns regarding and attitudes towards the proposed project;
- Assessment of impacts on the basis of issues identified through specialist opinion, interviews with key informants and the public participation process. Identified impacts were categorised in terms of the project phase in which it is most likely to originate, namely the construction, operational or decommissioning phases;
- Rating of impacts in terms of their anticipated duration, extent, intensity and probability. Duration, extent and intensity ratings were combined into a measure of an impact's expected consequence. Consequence ratings, in turn, were combined with probability ratings to give a measure of an impact's overall significance;
- Identification of appropriate mitigation measures to avoid or ameliorate negative social impacts and to enhance positive ones. The rating procedure described above was then repeated to assess the expected consequence, probability and significance of each impact after mitigation. This post-mitigation rating gives an indication of the significance of residual impacts, while the difference between an impact's pre-and post-mitigation ratings therefore represents the degree to which the recommended mitigation measures are expected to be effective in reducing or ameliorating that impact; and
- Formulating recommendations regarding the identified mitigation and enhancement measures, as well as other general recommendations that may aid the successful implementation of the proposed project.

In order to gain an understanding of the socio-economic conditions of the regional and local study areas, Myezo reviewed the following documents:

- ZF Mgcawu District Municipality Integrated Development Plan (IDP) 2017 -2021
- ZF Mgcawu District Municipality Profile and Analysis: District Development Model. 2020.
- Tsantsabane Local Municipality Integrated Development Plan (IDP) 2020 – 2021

- Tsantsabane Local Municipality Spatial Development Framework 2015 – 2020
- Statistics South Africa (Stats SA) Community Survey 2016
- Statistics South Africa (Stats SA) Census 2011

No primary data was collected in preparation of this SiA. The methodology used in the assessment of the socio-economic impacts is detailed below in Section 6.

5. Social Baseline Data

The section to follow presents a brief overview of the socio-economic conditions within the regional and local study areas.

5.1 Demographic Profile

In 2011, the population of ZFMDM was 236 783 and in a community survey undertaken in 2016 a population of 252 692 was recorded indicating an average growth of 1.48% for a period of 5 years (Stats SA, 2016). In 2011, TLM recorded a total population of 35 093 and 39 345 in 2016 with an average growth of 2.6 %. Assuming the growth rate remains unchanged, the population of TLM can be estimated to be 49 575 in 2021. Figure 5.1-1 (a) shows the population of the regional and local study areas from the 2011 and 2016 data.

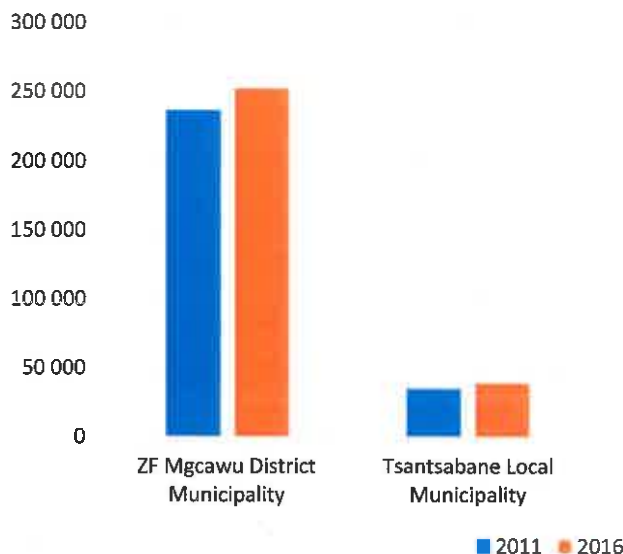


Figure 5.1-1: Population of the regional and local study areas in 2011 and 2016 (Stats SA, 2011 and Stats SA, 2016)

The growth in population might be attributed to the mining activities and manufacturing activities happening in the area.

The results of a census undertaken in 2011, ZFMDM had 61 097 households and a total of 74 091 was recorded in 2016 with an average household size of 3.5 and 3.4 respectively (Stats SA, 2016). TLM had 9 839 households in 2011 and 11 821 in 2016 with an average household size of 3.5 and 3.3 respectively. It is evident that there has been an increase in the number of households both at regional and local level and this resulted in a decline in the average household size.

As indicated on Figure 5.1-2, out of the 35 093-population recorded in 2011, 18 528 (53%) were Black Africans, 13 128 (37%) Coloureds, 2 933 (9%) Whites, 224 (0.5%) Asians and 224 (0.5%) others.

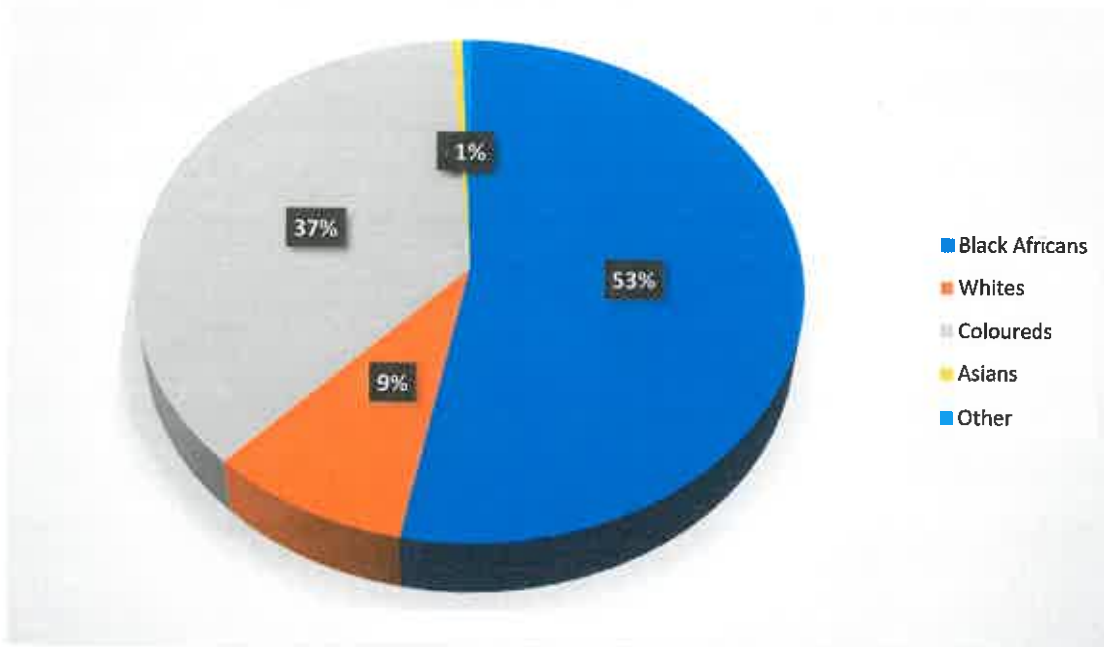


Figure 5.1-2: Tsantsabane Racial Profile (Source: Tsantsabane Integrated Development Plan 2020-2021)

In terms of gender and sex ratio the 2011 Census show that the male population is higher than female population with 52% males and 48% females for TLM respectively. ZCFDM recorded 52.5% males and 47.5 females in 2016 and 51.5% males and 48.5% females in 2011. Figure 5.1-3 summarises male to female ratios at regional and local levels. The dominance of male population at regional and local levels might be attributed to the type of economic activities taking place in the area which are favourable to males than females since the mining, agriculture and manufacturing industries tend to attract more males than females.

Figure 5.1-4 indicate that the population of TLM is dominated by young people and also characterised by a strong economically active population (20 - 39 years). Furthermore, the pyramid indicate that approximately 31% of the population is between the ages of 0 – 14 years and 33% is between 15 and 34 years and 29% between the 35 – 65 age group and only 5% is above 66 years of age. Large numbers in the 0–14-year age group can be attributed to a high population of women in their childbearing age.

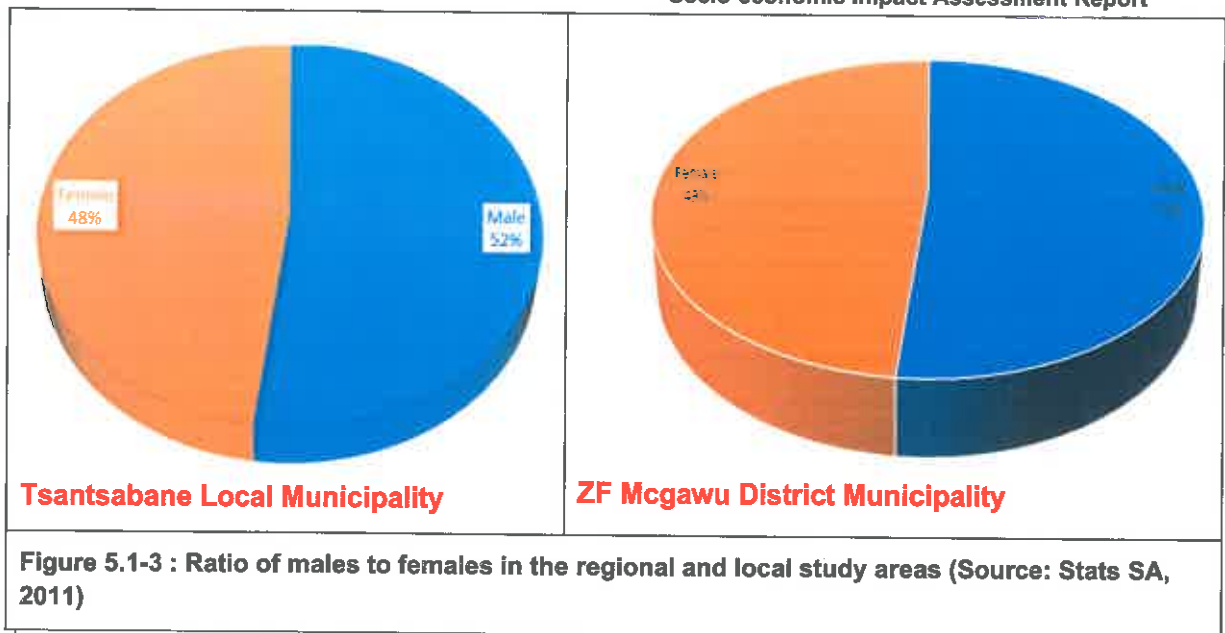


Figure 5.1-3 : Ratio of males to females in the regional and local study areas (Source: Stats SA, 2011)

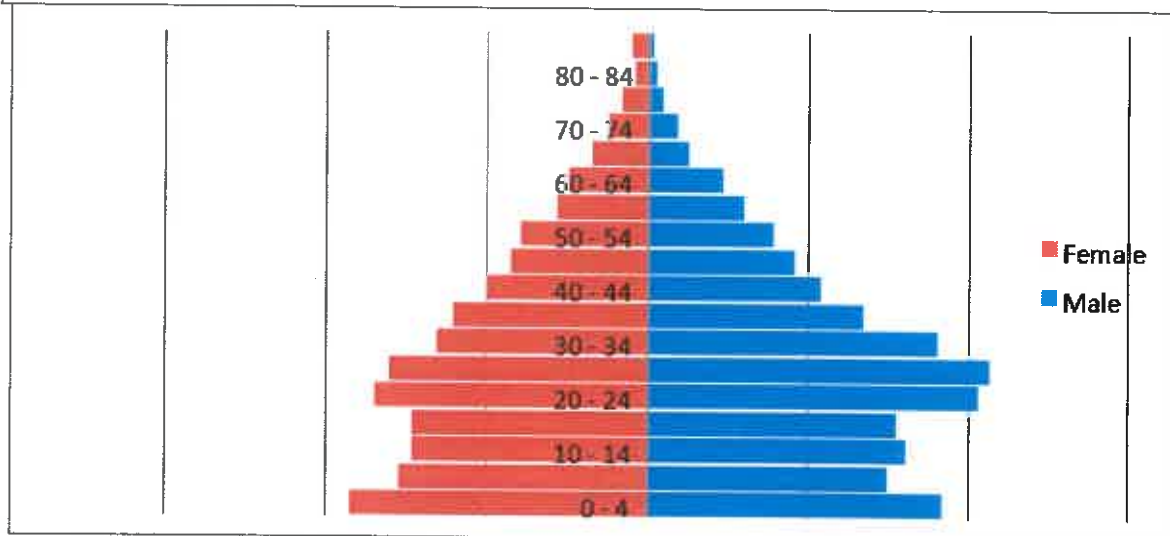


Figure 5.1-4: TLM Population Pyramid (Source: Tsantsabane Local Municipality IDP 2020-2021).

The existence of women in their childbearing age and high child population might indicate that most women are not economically active, thus, woman empowerment should be considered as a crucial point in any form of development to be undertaken in the area.

5.2 Educational profile

It is imperative to understand the level of education of people in a particular area, as one is then able to have a clear understanding on how many have the potential to enter the labour market. From the 2011 census, the statistics indicate males with some secondary education, completed Grade 12 and those with higher education are higher women than their male counterparts (Tsantsabane Local Municipality IDP 2020-2021). In addition, despite a high number of students enrolling for primary school a very low number of students complete grade 12. This might reduce the probability for employment among the economically active

population. Furthermore, only a few have attained a higher education certificate. Figure 5.2-1 summarises the education levels by gender within TLM.

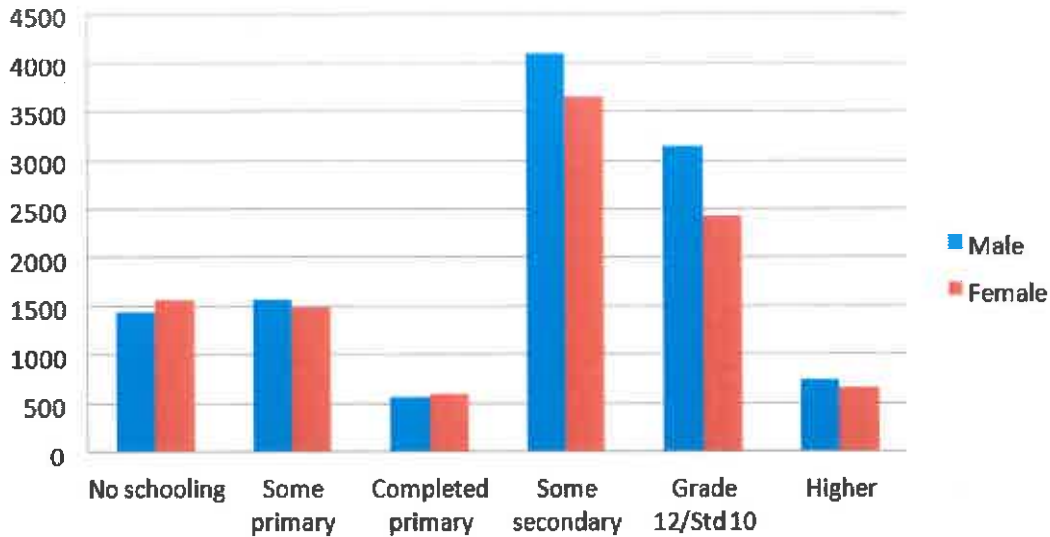


Figure 5.2-1: Educational Levels by Gender in TLM (Tsantsabane Local Municipality IDP 2020-2021).

TLM has a total of eight (8) primary schools and three (3) secondary schools. Table 5.2-1 present a list of the schools that are found within the TLM.

Table 5.2-1: Schools in TLM

Town/ Settlement	Facility	Number of Schools
Postmasburg	Primary School	4
	High School	3
Groenwater	Primary School	1
Jenn-Haven	Primary School	1
Skeyfontein	Primary School	1
Beeshoek	Primary School	1

In terms of employment status, 2011 census statistics indicate that there has been an increase in employment, increasing by 69% from 2001 statistics (Tsantsabane Local Municipality IDP 2020-2020). However, figures also indicate that more males are employed compared to females and males have a low unemployment figures compared to females. Thus, it is crucial to ensure that issues of skills transfer, employment opportunities, empowerment and bursaries also target females and the youth.

5.3 Health

There are several health facilities within the regional study area providing healthcare services to the residents of ZFMDM. A List of Hospitals within the district are listed on Table 5.3-1. In addition, ZFMDM only has two (2) community health centres and a total of 52 clinics. TLM has three (3) fixed clinics, one (1) hospital and four (4) mobile clinics servicing the rural areas (Tsantsabane Spatial Development Framework, 2015 – 2020).

Table 5.3-1: List of Hospitals in ZFMDM

Hospital	Local Municipality
Kakamas	Kai! Garib
Keimoes	Kai! Garib
Upington	Dawid
Gordonia	Kruiper
Postmasburg	Tsantsabane

5.4 Economic Activities and Incomes

ZFMDM contributed about 30% to the Northern Cape gross development product in 2016 and 24.52% in 2018 (ZF Mgcawu District Profile, 2019). In 2018, the mining sector was the largest economic contributor within ZFMDM accounting for R 4.64 billion or 21.3% of the total gross value added in the district municipality's economy and the second contributor was the community services sector at 21.1% followed by the finance sector with 13.5%.

Agriculture is also amongst the major economic contributors in the ZFMDM contributing 12% to total gross value added in 2017. Major economic sectors within ZFMDM are presented on Figure 5.4-1. The sector that contributes the least to the economy of ZFMDM is the electricity sector with a contribution of R 735 million or 3.38% of the total gross value added. ZFMDM economic growth rate is expected to be at an average of -1.20% from 2019 to 2023.

Mining is the major economic activity within TLM contributing 55% of the gross development product. In 2011, more than 26% of the population was unemployed and over 30% of the economically active population earned no income.

The agricultural sector has been a positive contributor to the country's GDP growth with an increase of 28.6%, becoming the strongest performer (15.1%) in the second quarter of 2020 despite the unpleasant conditions of COVID-19 pandemic and agriculture continued to increase at a rate of 18,5% in the quarter of 2020 (National Agricultural Marketing Council (NAMC), 2020). In addition, the NAMC indicate that the agricultural sector is expected to witness a positive growth in the future. This indicate that the sector is of crucial importance and considering that the proposed project will be undertaken within farmlands, contribution of the agricultural sector should be considered.

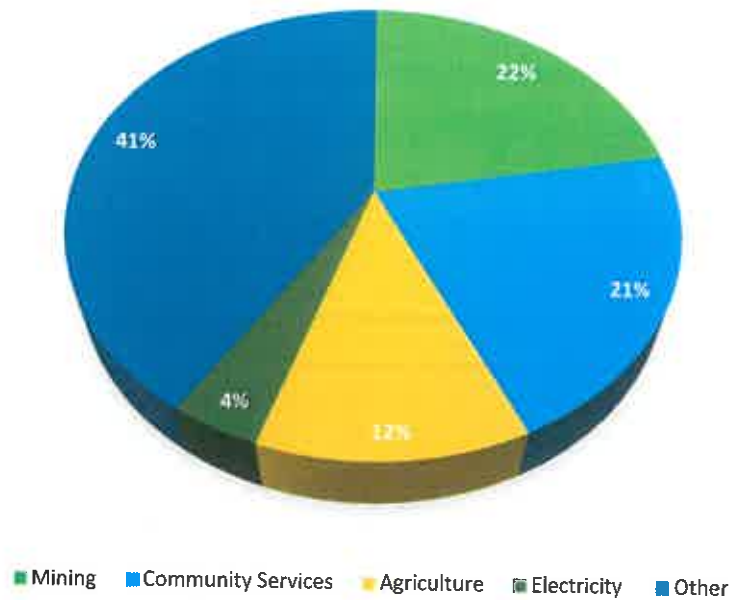


Figure 5.4-1: Major Economic Sectors in ZFMDM (Source: ZF Mgcawu District Profile, 2019).

5.5 Cultural Heritage

In the late 1820's a mass-movement of Dutch speaking people in the Cape Colony started advancing into the northern areas. This was due to feelings of mounting dissatisfaction caused by economical and other circumstances under British rule in the Cape. This movement later became known as the Great Trek. This migration resulted in a massive increase in the extent of that proportion of modern South Africa dominated by people of European descent (Ross 2002: 39).

As can be expected, the movement of whites into the Northern provinces would have a significant impact on the black people who populated the land. The Northern Cape is the largest province in South Africa but has the least number of inhabitants and the and is mostly desert, including Namaqualand, great parts of the Karoo and parts of the Kalahari Desert. These deserts were the home of many Khoikhoi and San groups, and there are still examples of San Rock Art (South African History, 2011).

Postmasburg was originally the site of a mission station named Sibihlong, founded by the London Missionary Society. Later it was named Blinkklip by the former tribes and for many years it acted as an outpost for the Griqua people and as the church centre for the European farming community (Tsantsabane Local Municipality, 2018). However, archaeological findings indicate that Khoisan mined specularite there from at least AD 700. The town was eventually proclaimed on 6 June 1892 and was renamed Postmasburg in honour of Reverend Dirk Postma, the first minister of the Reformed Church. The discovery of diamonds in 1918, followed by manganese assisted in the growth of this small village.

6. Potential Socio-economic Impacts

The proposed activity will have socio-economic impacts to the surrounding areas due to activities which might trigger change to the environment. These can be positive or negative effects.

Socio-economic Impact Assessment Report

The impact assessment was undertaken using a matrix selection process, the most commonly used methodology, for determining the significance of potential environmental impacts/risks. This methodology incorporates two aspects for assessing the potential significance of impacts, namely occurrence and severity, which are further sub-divided as indicated on Table 6.1-1

Table 6.1-1: Impact assessment factors

Occurrence		Severity	
Probability of occurrence	Duration of occurrence	Scale/extent of impact	Magnitude of impact

To assess these factors for each impact, the following four ranking scales are used as presented on Table 6.1-2.

Table 6.1-2: Impact assessment scoring methodology

Value	Description
Magnitude	
10	Very high/unknown
8	High
6	Moderate
4	Low
2	Minor
Duration	
5	Permanent (Impact continues post-closure)
4	Long term (Impact ceases after decommissioning and closure)
3	Medium-term (Impact ceases after the operational phase)
2	Short-term (Impact ceases after the construction phase)
1	Immediate
Scale	
5	International

4	National
3	Regional
2	Local
Value	Description
1	Site Only
0	None
Probability	
5	Definite/Unknown (impact will definitely occur)
4	Highly Probable (most likely, 60% to 90% chance)
3	Medium Probability (40% to 60% chance)
2	Low Probability (5% to 40% chance)
1	Improbable (less than 5% chance)
0	None

Significance Points= (Magnitude + Duration + Scale) x Probability.

Table 6.1-3: Significance of impact based on point allocation

Points	Significance	Description
SP>60	High socio-economic significance	An impact which could influence the decision about whether or not to proceed with the project regardless of any possible mitigation.
SP 30 - 60	Moderate socio-economic significance	An impact or benefit which is sufficiently important to require management, and which could have an influence on the decision unless it is mitigated.
SP<30	Low socio-economic significance	Impacts with little real effect and which will not have an influence on or require modification of the project design.
+	Positive impact	An impact that is likely to result in positive consequences/effects.

For the methodology outlined above, the following definitions were used:

- **Magnitude** is a measure of the degree of change in a measurement or analysis (e.g., the area of pasture, or the concentration of a metal in water compared to the water quality guideline value for the metal), and is classified as none/negligible, low, moderate or high.
- **Scale/Geographic extent** refers to the area that could be affected by the impact and is classified as site, local, regional, national, or international.
- **Duration** refers to the length of time over which an environmental impact may occur: i.e. immediate/transient, short-term, medium term, long-term, or permanent.
- **Probability** of occurrence is a description of the probability of the impact actually occurring as improbable (less than 5% chance), low probability (5% to 40% chance), medium probability (40% to 60% chance), highly probable (most likely, 60% to 90% chance) or definite (impact will definitely occur).

A summary of potential significant socio-economic impacts are presented on Table 6.1-4.

Table 6.1-4: Summary of Potential Significant Socio-economic Impacts

Name of Activity	Potential Impact	Pre-mitigation			Recommended Mitigation	Post-mitigation		
		Impact Assessment Factors	Impact Probability	Significance		Impact Assessment Factors	Impact Probability	Significance
PLANNING AND SETUP PHASE								
Selection of site for contractor camps	There is possibility of conflicts with locals when planning to work close to community buildings. Drill workers may encroach into homesteads and undermining privacy.	Magnitude: High Duration: Short Scale: Local	Medium	High	<ul style="list-style-type: none"> Since there will be work close other properties, owners have to be informed and consulted. Drill workers will not be allowed to be within 50 metres of adjacent properties without approval from the supervisor. 	Magnitude: Low Duration: Short Scale: Local	Medium	Low

Name of Activity	Potential Impact	Pre-mitigation			Recommended Mitigation	Post-mitigation		
		Impact Assessment Factors	Impact Probability	Significance		Impact Assessment Factors	Impact Probability	Significance
Access Roads	Since the proposed project area is close to communities, access roads may tamper with and damage existing infrastructure and community properties.	Magnitude: Very High	Highly Probable	High	<ul style="list-style-type: none"> The local community and local municipality must be informed of the project before any work is done. They must also be involved in the planning, selection and construction of the access road. 	Magnitude: Moderate	Medium	Moderate
Selection of site for contractor camps	Water resources conflicts can arise when exploration activities start to use scarce or sensitive resources being used by the community.	Magnitude: Moderate	Medium	Moderate	<ul style="list-style-type: none"> The local municipality and ward councillors will be consulted before choosing a water source for drilling purposes. If an existing water source is to be used, an agreed payment should be done. 	Magnitude: Low	Low	Low
		Duration: Short				Duration: Short		
		Scale: Local				Scale: Local		

Name of Activity	Potential Impact	Pre-mitigation			Recommended Mitigation	Post-mitigation			Significance
		Impact Assessment Factors	Impact Probability	Significance		Impact Assessment Factors	Impact Probability	Significance	
Construction Phase									
Construction activities.		Magnitude: High	Low	Low	<ul style="list-style-type: none"> Recruitment to be coordinated through the DoL. Update and optimal use of the skills database. Promotion of female and youth employment Effective implementation of training and skills development initiatives. Monitoring subcontractors in terms of local employment targets. Labour intensive construction methods should be promoted 	Magnitude: High	Medium	Moderate	
		Duration: Short				Duration: Short			Scale: Regional
Construction activities.	Investment into the local economy through purchase of goods and services.	Magnitude: High	Low	Low	<ul style="list-style-type: none"> Develop capacity of local SMMEs. Monitor compliance with procurement policy and give preference first to capable 	Magnitude: High	Medium	Moderate	
		Duration: Short				Duration: Short			Scale: Regional

Socio-economic Impact Assessment Report

Name of Activity	Potential Impact	Pre-mitigation			Recommended Mitigation	Post-mitigation		
		Impact Assessment Factors	Impact Probability	Significance		Impact Assessment Factors	Impact Probability	Significance
		Scale: National			<ul style="list-style-type: none"> subcontractors located in the local municipal area. Establish linkages with other mining proponents in the area involved in skills and SMME development. Align skills development to build capacity of SMMEs. Utilise electronic business database to identify local SMMEs. Utilise the accommodation database to identify local accommodation options. 	Scale: National		
Site clearance activities.	Exposure to dust and particulates with the stripping of vegetation cover.	Magnitude: High	Medium	Moderate	Magnitude: Moderate	Medium	Low	
		Duration: Short			Duration: Short			
		Scale: Local			Scale: Local			

Zastrocode (Pty) Ltd - Postmasburg
Socio-economic Impact Assessment Report

Name of Activity	Potential Impact	Pre-mitigation			Recommended Mitigation	Post-mitigation			Significance
		Impact Assessment Factors	Impact Probability	Significance		Impact Assessment Factors	Impact Probability	Significance	
Construction activities.	Exposure to noise from construction activities.	Magnitude: Moderate	Definite	Moderate		Magnitude: Minor	Low	Low	Low
		Duration: Short				Duration: Short			
		Extent: Local				Scale: Local			
Access Roads	Since the proposed project area is close to communities, access roads may tamper with and damage existing infrastructure and community properties.	Magnitude: Very High	Highly Probable	High	<ul style="list-style-type: none"> The local community and local municipality must be informed of the project before any work is done. They must also be involved in the planning, selection and construction of the access road. 	Magnitude: Moderate	Medium	Moderate	Moderate
		Duration: Long				Duration: Short			
		Extent: Local				Extent: Local			
	Conflicts with local communities by cutting down trees for firewood.	Magnitude: Very high	Highly probable	High	<ul style="list-style-type: none"> No trees or shrubs will be felled or damaged for the purpose of obtaining firewood, unless 	Magnitude: Moderate	Low	Low	Low

Zastrocode (Pty) Ltd - Postmasburg
Socio-economic Impact Assessment Report

Name of Activity	Potential Impact	Pre-mitigation			Recommended Mitigation	Post-mitigation		
		Impact Assessment Factors	Impact Probability	Significance		Impact Assessment Factors	Impact Probability	Significance
					agreed to by the landowner/tenant.			
		Duration: Long Scale: Local				Duration: Long Scale: Local		
Movement of drill rig workers	There is risk of veld fires which can damage properties and result in injuries or loss of life.	Magnitude: Very high Duration: Long Scale: Regional	Highly Probable	High	Fires will only be allowed in facilities or equipment specially constructed for this purpose. If required by applicable legislation, a firebreak will be cleared around the perimeter of the camp and office sites.	Magnitude: Moderate Duration: Long Scale: Regional	Medium	Moderate
Construction vehicles.	Areas of cultural and religious importance may be disturbed by movement of traffic and people to and from the exploration sites	Magnitude: Low Duration: Short Scale: Local	Definite	Low	Even though no sites of significance were identified, local traditional leaders will be consulted and informed of the project as a precautionary step.	Magnitude: Low Duration: Short Scale: Local	Low	Low

Socio-economic Impact Assessment Report

Name of Activity	Potential Impact	Pre-mitigation			Recommended Mitigation	Post-mitigation			Significance
		Impact Assessment Factors	Impact Probability	Significance		Impact Assessment Factors	Impact Probability	Significance	
	Increase the risk of an accident with pedestrian and/or another vehicle, resulting in a serious injury or death.	Magnitude: Moderate Duration: Immediate Scale: Local	Moderate	Moderate	<ul style="list-style-type: none"> Plant maintenance Rigorous health and safety programmes 	Magnitude: Moderate Duration: Immediate Scale: Local	Low	Low	
	Drill rigs normally operate around the clock and make use of lighting for security and making work easier. Photo-pollution can result from the lighting.	Magnitude: Moderate Duration: Medium	Medium	Moderate	<ul style="list-style-type: none"> The use of the drill rig will be limited to daytime operational hours. Lighting used will be within the workspace and outside of the drill camp. Low frequency lighting will be used. 	Magnitude: Low Duration: Medium Scale: Local	Low	Low	
	Light and noise can disturb the local community.	Scale: Local			<ul style="list-style-type: none"> Lighting and noise disturbance or any other form of disturbance that may have an effect on the landowner / tenant / persons lawfully living 	Scale: Local			

Name of Activity	Potential Impact	Pre-mitigation			Recommended Mitigation	Post-mitigation			Significance
		Impact Assessment Factors	Impact Probability	Significance		Impact Assessment Factors	Impact Probability	Significance	
					in the vicinity shall be kept to a minimum.				
Drilling	Drill rigs are made up of several heavy equipment. Noise is produced by the equipment during drilling activities.	Magnitude: Moderate	Medium	Moderate	<ul style="list-style-type: none"> Drill rigs will make use of silencers. Machinery will be well serviced therefore will make less noise. 	Magnitude: Moderate	Low	Low	
		Duration: Medium				Duration: Medium			
		Scale: Local				Scale: Local			
Workers from outside the area.	Social tension, and possibly violence.	Magnitude: High	Highly probable	Moderate	<ul style="list-style-type: none"> Clearly communicated local recruitment policy. Use of community structures to identify local labour pool. Ensure thorough community consultation. Influx management 	Magnitude: High	Low	Low	
		Duration: Short				Duration: Short			
		Scale: Regional				Scale: Regional			

Name of Activity	Potential Impact	Pre-mitigation			Recommended Mitigation	Post-mitigation			Significance
		Impact Assessment Factors	Impact Probability	Significance		Impact Assessment Factors	Impact Probability	Significance	
Operational Phase									
Operational activities	Creation of a number of local employment opportunities.	Magnitude: Low	Low	Low	<ul style="list-style-type: none"> As for construction phase. Intensifying efforts in the Prospecting works programme to develop scarce skills. 	Magnitude: Low	Low	Medium	Moderate
		Duration: Medium	Medium			Duration: Medium	Medium		
		Scale: Regional	Regional			Scale: Regional	Regional		
Operational activities	Investment into the local economy through purchase of goods and services.	Magnitude: Low	Low	Low	<ul style="list-style-type: none"> Measures recommended to maximise benefits from local employment, skills and economic development 	Magnitude: Low	Low	Medium	Moderate
		Duration: Medium	Medium			Duration: Medium	Medium		
		Scale: Regional	Regional			Scale: Regional	Regional		
Local economic development	Dependency on mine for sustaining local economy	Magnitude: High	Highly probable	Moderate	<ul style="list-style-type: none"> Develop turnaround or redeployment strategies. Publicise to mines in the industry that excess skills are available. 	Magnitude: Low	Highly probable	Highly probable	Moderate
		Duration: Beyond				Duration: Medium			
		Scale: Local				Scale: National			
		Scale: Local			<ul style="list-style-type: none"> Implement actions, suggested by the Department of Mineral Resources and Energy. 	Scale: National			

Name of Activity	Potential Impact	Pre-mitigation			Recommended Mitigation	Post-mitigation			Significance
		Impact Assessment Factors	Impact Probability	Significance		Impact Assessment Factors	Impact Probability	Significance	
Operational H&S	Operation-related health and safety impacts	Magnitude: Moderate	Highly Probable	Moderate	<ul style="list-style-type: none"> As for construction phase Plant maintenance - Rigorous health and safety programme 	Medium	Minor	Medium	Low
		Duration: Long term					Medium		
		Scale: Local					Site only		
Skills transfer and development	Skills transfer and development	Magnitude: Medium	Highly Probable	Moderate	<ul style="list-style-type: none"> Early involvement of project beneficiaries Collaborating with other existing/planned skills development programmes Skills development programmes should, where possible, focus on scarce skills. 	High	High	High	Moderate
		Duration: Long					Long		
		Scale: Local			<ul style="list-style-type: none"> Zastrocode Human Resource and employment policies 		Local		

Zastrocode (Pty) Ltd - Postmasburg
Socio-economic Impact Assessment Report

Name of Activity	Potential Impact	Pre-mitigation			Recommended Mitigation	Post-mitigation			Significance
		Impact Assessment Factors	Impact Probability	Significance		Impact Assessment Factors	Impact Probability	Significance	
					will optimise skills development.				
Conflict	Conflict/ competition between newcomers and incumbent population	Magnitude: Very high	Highly probable	Moderate	Magnitude: Low	Low	Medium	Local	Low
		Duration: Medium							
		Scale: Regional							
Social pathologies	Increase in spread of communicable diseases and social pathologies	Magnitude: Very high	Highly Probable	High	Magnitude: Moderate	Medium	Medium	Regional	Moderate
		Duration: Medium							
		Scale: Regional							

Name of Activity	Potential Impact	Pre-mitigation			Recommended Mitigation	Post-mitigation			Significance	
		Impact Assessment Factors	Impact Probability	Significance		Impact Assessment Factors	Impact Probability	Significance		
					<ul style="list-style-type: none"> Liaison with police and community policing forum Influx management. 					
Increased pressure on services	Increased pressure on local services/ resources	Magnitude: High	Highly Probable	High	Magnitude: Moderate	Medium	Local	Moderate	Medium	Moderate
		Duration: Long			Duration: Medium					
		Scale: Regional			Scale: Local					
Opposition	Opposition because of perceived negative impacts	Magnitude: Very high	Highly Probable	High	Magnitude: Moderate	Medium	Permanent	Moderate	Medium	Low
		Duration: Permanent			Duration: Permanent					
		Scale: Local			Scale: Regional					

Name of Activity	Potential Impact	Pre-mitigation			Recommended Mitigation	Post-mitigation			Significance
		Impact Assessment Factors	Impact Probability	Significance		Impact Assessment Factors	Impact Probability	Significance	
REHABILITATION									
Rehabilitation of water abstraction sites and water sumps	Water sumps and water abstraction sites must be rehabilitated. Water abstraction sites can result in siltation if not rehabilitated whilst uncovered water sumps can pose a risk to humans and livestock.	Magnitude: High	Medium	Medium	<ul style="list-style-type: none"> Pits will be filled after exploration has been finished since people and animals may fall resulting in injuries or loss of life or livestock. Areas containing French drains will be compacted and covered with a final layer of topsoil to a height of 10cm above the surrounding ground surface. 	Magnitude: Low	Low	Low	Low
		Duration: Long				Duration: Long			
Reduction in Agricultural Production/ yields	Potential loss of agricultural productivity	Scale: Regional	High	High	<ul style="list-style-type: none"> Ensure that soil chemistry alterations as a result of prospecting activities is rehabilitated. Any possible toxicity to ground water must be corrected. 	Scale: Local	Medium	Medium	Medium
		Magnitude: High				Magnitude: Low			
		Duration: Long				Duration: Medium			

7. Data Gaps and Assessment Shortcomings

The following are the data gaps and assessment shortcomings of this study:

- The absence of up-to-date census data on the local population. The last comprehensive census was undertaken in 2011, the next one is only scheduled for 2021, and the last community survey was undertaken in 2016. While census data used is not up-to date, it does provide sufficient detail to establish a baseline that is relatively accurate in terms of orders of magnitude and allows for the establishment of trends; and
- The absence of a comprehensive, up-to-date database of economic data for TLM, services data and places of worship. While not every facility or site or economic data may have been accounted for, the data does provide sufficient detail to determine quantity, in terms of order of magnitude, and the relative distribution of the facilities and/or sites within the regional study area.

8. Conclusions and Recommendations

The results of the study indicate that the recommended mitigation measures are expected to reduce the significance of negative impacts to acceptable levels, while positive impacts will on average be significantly enhanced to maximise benefits to surrounding communities.

The main conclusion arising from the assessment of cumulative impacts is that the most significant cumulative impacts are expected to arise because of the combined effects of the proposed project and other, existing and planned mining operations in the area. These cumulative impacts relate to the large-scale rather than site-specific impacts associated with a concentration of mining projects namely, their tendency to dominate the local economy, thereby causing the local economy to become increasingly dependent on mines that inevitably have a finite lifespan, and their tendency to dominate the landscape and irrevocably alter an area's sense of place.

The study also indicates that the establishment of linkages between Zastrocode and other institutions involved in local and regional economic development and social upliftment will serve to maximise the benefits of the project's contribution to the welfare of local communities. Examples of initiatives that offer opportunities for linkages and synergy include municipal Local Economic Development (LED) projects, initiatives by other mining companies in the area, and activities by civil society and non-governmental organisations. At the time of writing this report comprehensive information regarding the initiatives of these institutions in the vicinity of the local study area were not available. It is suggested that Zastrocode should contact the CSI, LED and socio-economic development departments of these institutions to gauge whether they can align or synergize with any of their efforts to collaborate in some of the development initiatives planned for the area.

Throughout the SIA process, a number of risks that warrant particular attention and close monitoring and management by the proponent when implementing the proposed project were identified. These risks include:

- Community expectations regarding employment and CSI projects;
- Social unrest and community opposition;
- Failure to acquire a social licence to operate; and
- Risks associate with physical and economic displacement.

9. References

Statistics South, 2011 National Census.

Statistics South Africa 2016 Community Survey

Tsantsabane Local Municipality, 2019. 2020-2021 Integrated Development Plan.
Postmasburg: Tsantsabane Local Municipality

Tsantsabane Local Municipality, 2017. Postmasburg Housing Development: Outline Scheme Report: Civil Engineering Services. Postmasburg: Tsantsabane Local Municipality.

Tsantsabane Local Municipality, 2014. Spatial Development Framework. Postmasburg: Tsantsabane Local Municipality.

ZF Mgcawu District Municipality, 2020. Profile and Analysis: District Development Model. Kimberly: ZF Mgcawu District Municipality.

ZF Mgcawu District Municipality, 2020. Final Integrated Development Plan 2020/2021. Kimberly: ZF Mgcawu District Municipality

Appendix k1-1: Site notice erection photographic record

SITE NOTICE ERECTION PHOTOGRAPHIC RECORD UNDERTAKEN AS PART OF PUBLIC PARTICIPATION PROCESS IN SUPPORT OF THE PROSPECTING RIGHT APPLICATION FOR MANGANESE AND IRON ORE ON THE FARMS THORNS 407, DUINE 437, RECORD 411, LOSKOP 414, OATLANDS 406 & TOWTON 415 LOCATED APPROXIMATELY 50KM NORTH WEST OF KATHU TOWN, IN THE MAGESTERIAL DISTRICT OF KURUMAN, WITHIN TSANTSABANE LOCAL MUNICIPALITY, OF NORTHERN CAPE PROVINCE

Document Name: ZPB-PI-Site notice erection photographic record

Date: 22 May 2021

Rev: 01

Myezo Ref: 2021/01

DMRE Ref: NC30/5/1/1/2/1/1/2709 PR

Appendix k1-1: Site notice erection photographic record

	
<p>Picture A Coordinates for Picture A: 27° 29' 48.71" S 22° 30' 54.0252" E</p>	<p>Picture B Coordinates for Picture B: 27° 29' 48.71" S 22° 30' 54.0252" E</p>



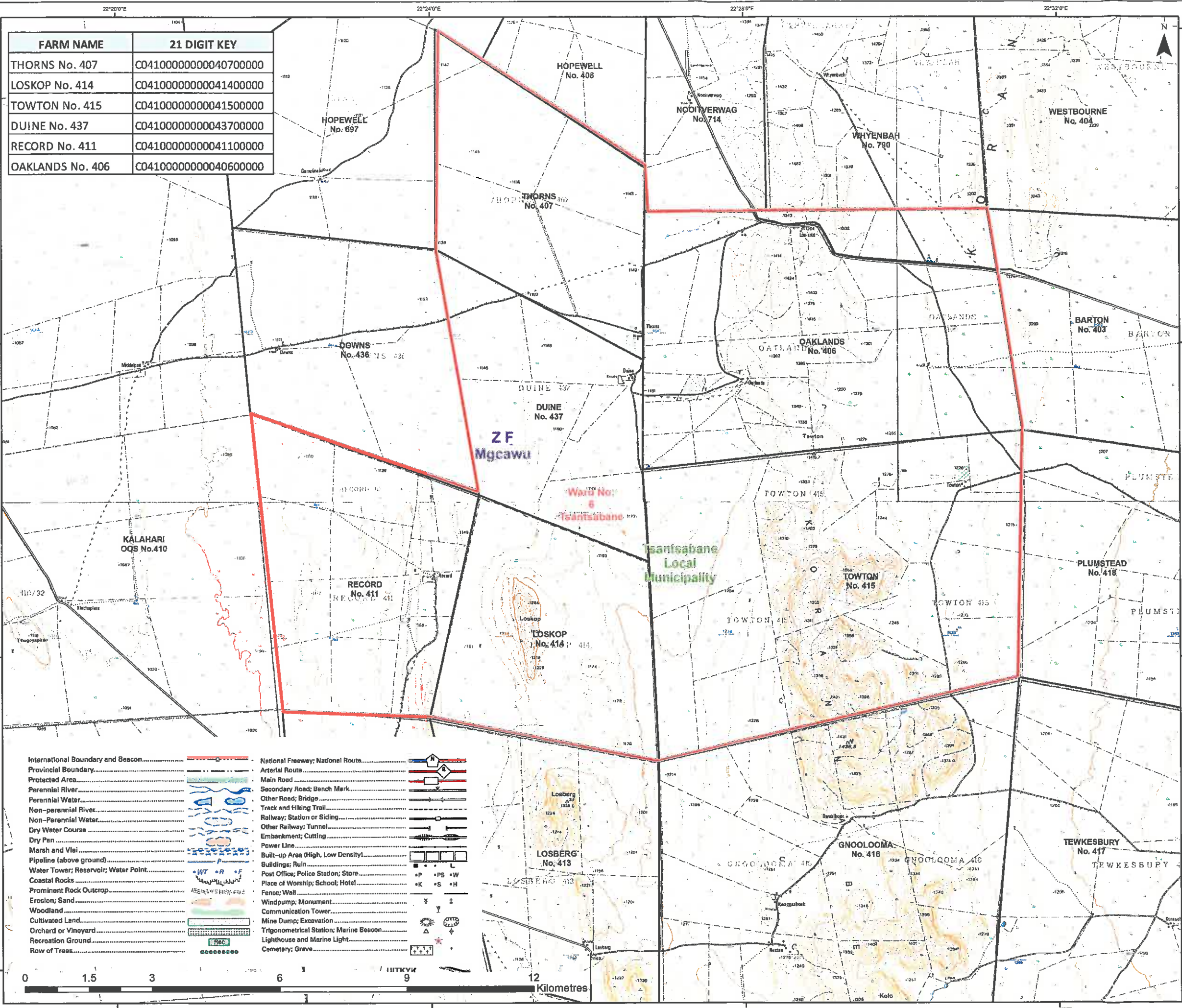
Picture C
Coordinates for Picture C:
27° 34' 39.29" S
22° 23' 15" E



Picture D
Coordinates for Picture D:
27° 34' 39.29" S
22° 23' 15" E

EMPr Appendices

Appendix C1-1: Composite Map



FARM NAME	21 DIGIT KEY
THORNS No. 407	C0410000000040700000
LOSKOP No. 414	C04100000000041400000
TOWTON No. 415	C04100000000041500000
DUINE No. 437	C04100000000043700000
RECORD No. 411	C04100000000041100000
OAKLANDS No. 406	C04100000000040600000

ZASTROCODE (PTY) LTD

PROSPECTING RIGHT AND ENVIRONMENTAL AUTHORIZATION APPLICATION OVER THE FARMS THORNS 407, DUINE 437, RECORD 411, LOSKOP 414, OATLANDS

Legend

- Primary road
- Secondary road
- Zastrocode Mine Boundary
- Ward Boundary
- Farm Boundaries
- District Boundaries
- Local Boundaries



CLIENT:



Date: 2/16/2021	CHECKED: DP	PROJECT: 000078
DRAWN: N. Ditzia	APPROVED: DP	SCALE: 1:80,000

DRAWING: Local Setting with Farms and 21 digit codes	REV: 0
--	--------

MYEZO ENVIRONMENTAL MANAGEMENT SERVICES (Pty) Ltd
 Environmental Stewardship

Projection: Geographic, Datum: WGS84	SIZE:
Source: 1:50 000 Topo Map	
Inset Map: Municipal Demarcation Board	

International Boundary and Beacon	National Freeway; National Route	
Provincial Boundary	Arterial Road	
Protected Area	Main Road	
Perennial River	Secondary Road; Bench Mark	
Perennial Water	Other Road; Bridge	
Non-perennial River	Track and Hiking Trail	
Non-Perennial Water	Railway; Station or Siding	
Dry Water Course	Other Railway; Tunnel	
Dry Pan	Embankment; Cutting	
Marsh and Vlei	Power Line	
Pipeline (above ground)	Built-up Area (High, Low Density)	
Water Tower; Reservoir; Water Point	Buildings; Ruin	
Coastal Rocks	Post Office; Police Station; Store	
Prominent Rock Outcrop	Place of Worship; School; Hotel	
Erosion; Sand	Fence; Wall	
Woodland	Windpump; Monument	
Cultivated Land	Communication Tower	
Orchard or Vineyard	Mine Dump; Excavation	
Recreation Ground	Trigonometrical Station; Marine Beacon	
Row of Trees	Lighthouse and Marine Light	
	Cemetery; Grave	



© 2021 Myezo Environmental Management Services (Pty) Ltd. All rights reserved. This document is the property of Myezo Environmental Management Services (Pty) Ltd. and is not to be distributed, copied, or reproduced in any form without the prior written permission of Myezo Environmental Management Services (Pty) Ltd.