

**TSHIPI É NTLÉ MANGANESE MINING**  
**NOTICE OF INTENT FOR THE AMENDMENT OF TSHIPI'S EIA AND EMP TO CATER FOR**  
**INFRASTRUCTURE LAYOUT CHANGES**

Dear Sir/Madam

Tshipi é Ntle Manganese Mining (Tshipi) currently operates the developing Tshipi Borwa Mine located on the farms Mamatwan 331 and Moab 700, to the south of Hotazel in the Johan Taolo Gaetsewe District Municipality (previously known as the Kgalagadi District Municipality) in the Northern Cape Province.

The Tshipi Borwa Mine and associated activities was approved in terms of the National Environmental Management Act (NEMA) No. 107 of 1998 (Reference number: NC/KGA/KATHU/37/2008) in 2009 and the Mineral and Petroleum Resources Development Act (MPRDA), 28 of 2002 (Reference number: NC/30/5/1/2/2/0206MR) in 2009.

This letter serves to inform you of Tshipi's intent to amend its approved EIA and EMP report to cater for changes to the infrastructure layout that have already taken place as well as proposed changes. Changes that have already taken place at the Tshipi Borwa Mine include:

- The relocation of the waste rock dump;
- The relocation of the office infrastructure;
- Design and capacities change of the approved stormwater dams;
- Changes in the design of the railway siding; and
- The relocation of the main entrance into the mine.

Proposed changes to the approved infrastructure layout include:

- The establishment of an additional stormwater dam;
- The relocation of the low grade dump;
- The relocation of the fines dump;
- The expansion of the existing sewage treatment plant from a daily throughput capacity of 60m<sup>3</sup> to 96m<sup>3</sup>;
- The expansion of the existing above ground diesel storage by more than 500m<sup>3</sup> of diesel;
- Development of a joint mining and waste rock dump area on the boundary with Mamatwan mine;

SLR Consulting (Africa) (Proprietary) Limited

[www.slrconsulting.com](http://www.slrconsulting.com)

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Durban Office: Physical address: 130 Pharos House, 70 Buckingham Terrace, Westville, Durban / Postal address: P O Box 422, Westville, 3630 / T: +27 31 266 3083 / F: +27 86 600 5186

- The use of tailings material to backfill the open pit.

SLR Consulting (Africa) (Pty) Ltd, an independent firm of environmental consultants, has been appointed by Tshipi to manage the environmental authorisation process required for both the MPRDA and NEMA.

For any further information please do not hesitate to contact the undersigned.

Kind regards



Natasha Daly

(Project manager)

## Caitlin Pringle

---

**From:** Natasha Daly  
**Sent:** 14 May 2013 12:08 PM  
**To:** krugersoret@yahoo.com  
**Subject:** TSHIPI É NTLÉ MANGANESE MINING: NOTICE OF INTENT FOR THE AMENDMENT OF TSHIPI'S EIA AND EMP TO CATER FOR INFRASTRUCTURE LAYOUT CHANGES  
**Attachments:** 2013-05-13-Tshipi Letter of Intent.pdf

### TSHIPI É NTLÉ MANGANESE MINING

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This letter serves to inform you of Tshipi's intent to amend its approved EIA and EMP report to cater for changes to the infrastructure layout that have already taken place as well as proposed changes.

In this regard, kindly find attached.

Kind Regards

Natasha Daly

**Natasha Daly**  
**Environmental Scientist**  
SLR Consulting (Africa) (Pty) Ltd

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Fourways, Johannesburg, 2060  
South Africa



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## Caitlin Pringle

---

**From:** Natasha Daly  
**Sent:** 13 May 2013 01:39 PM  
**To:** amvandenbergh@absamail.co.za; sam.fiff@transnet.net;  
Dineo.Peta@bhpbilliton.com; rudzani.mudau@bhpbilliton.com  
**Subject:** TSHIPI É NTLÉ MANGANESE MINING: NOTICE OF INTENT FOR THE AMENDMENT  
OF TSHIPI'S EIA AND EMP TO CATER FOR INFRASTRUCTURE LAYOUT CHANGES  
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Kind Regards

Natasha Daly

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## Caitlin Pringle

---

**From:** Natasha Daly  
**Sent:** 13 May 2013 01:44 PM  
**To:** bergam@telkomsa.net  
**Subject:** TSHIPI É NTLÉ MANGANESE MINING: NOTICE OF INTENT FOR THE AMENDMENT OF TSHIPI'S EIA AND EMP TO CATER FOR INFRASTRUCTURE LAYOUT CHANGES  
**Attachments:** 2013-05-13-Tshipi Letter of Intent.pdf

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## Caitlin Pringle

---

**From:** Natasha Daly  
**Sent:** 14 May 2013 02:32 PM  
**To:** Jeff Leader  
**Subject:** TSHIPI É NTLÉ MANGANESE MINING: NOTICE OF INTENT FOR THE AMENDMENT OF TSHIPI'S EIA AND EMP TO CATER FOR INFRASTRUCTURE LAYOUT CHANGES  
**Attachments:** 2013-05-13-Tshipi Letter of Intent.pdf

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**TSHIPI É NTLÉ MANGANESE MINING**  
**ENVIRONMENTAL ASSESSMENT PROCESS FOR THE PROPOSED TSHIPI EMP AMENDMENT FOR THE TSHIPI BORWA**  
**MINE**

Notice is given in terms of the Mineral and Petroleum Resources Development Act, 28 of 2002, the National Water Act (NWA) 36 of 1998, the National Environmental Management Act (NEMA), 107 of 1998, the National Environmental Management: Waste Act (NEMWA) 59 of 2008 and the National Environmental Management: Air Quality Act (NEMAQA), 39 of 2004 of intent to carry out the activities described below. In this regard, applications for environmental authorisations must be submitted to the relevant departments (Department of Environment and Nature Conservation (DENC), Northern Cape Department of Mineral Resources (DMR) and the National Department of Environment Affairs (DEA). Given the nature of the project, both scoping and environmental impact assessment procedures will be followed.

**Reference numbers and contact people**

DMR reference number: NC30/5/1/2/2/0206MR (Mrs Raisibe Sekepane)  
DENC reference number: NC/EIA/08/JTG/GAM/TSH1/2013 / NCP/EIA/0000229/2013 (Mnr. M. Mathews)  
DEA reference number: 12/9/11/L1259/8 (Mr Herbert Kutama)

**Name of proponent**

Tshipi é Ntle Manganese Mining (Tshipi) (Previously known as Ntsimbintle Mining (Pty) Ltd)

**Description of proposed activity**

The original environmental impact assessment (EIA and environmental management programme (EMP) report was approved by DENC (previously known as the Department of Tourism, Environment and Conservation) and DMR (previously known as the Department of Minerals and Energy) in 2009. Tshipi is proposing to amend its existing approved EIA and EMP report to cater for changes to its approved infrastructure layout that have already taken place as well as proposed changes. Changes that have already taken place include the relocation of the waste rock dump, the relocation of the office infrastructure, design and capacities change of the stormwater dams and changes in the design of the railway siding. Proposed changes to the approved infrastructure layout include the establishment of an additional stormwater dam, the relocation of the low grade and fines stockpile, expansion of the sewage treatment plant and diesel storage facility, development of a joint mining and waste rock dump area on the boundary with Mamatwan mine and the use of tailings material to backfill the open pit. The proposed Tshipi EMP amendment project triggers a number of "identified" activities in terms of various environmental regulations. These may include the following activities:

- Listed Activities in terms of NEMA Regulation 544 Listing Notice 1: 28
- Listed Activities in terms of NEMA Regulation 545 Listing Notice 2: 3 and 5
- Waste Activities in terms of NEMWA Schedule: Category B (7) and (11)
- Water Uses in terms of Section 21 of the NWA: 21 (g)
- Listed Activities in terms of NEWAQA Category 2 (2) Sub-category 2.2

**Location of the proposed project**

The Tshipi Borwa Mine is located approximately 20km south of Hotazel, 47km west of Kuruman and 36km north of Kathu in the Johan Taolo Gaetsewe District Municipality (previously known as the Kgalagadi District Municipality) in the Northern Cape Province.

**Name of consultant to contact**

SLR Consulting (Africa) (Pty) Ltd  
Contact person: Natasha Daly  
Postal Address: PO Box 1596, Cramerview, 2060  
Tel: (011) 467 0945 and/or Fax: (011) 467 0978  
[ndaly@slrconsulting.com](mailto:ndaly@slrconsulting.com) or [cpringle@slrconsulting.com](mailto:cpringle@slrconsulting.com)

**Date of publication of this notice**

05 July 2013

**Public meetings**

One public scoping meeting has been arranged as part of the public participation process. The details of the scoping meeting are provided in the table below:

**Table 1: Details of public scoping meeting**

| Date         | Venue                     | Time  |
|--------------|---------------------------|-------|
| 30 July 2013 | Hotazel Recreational Club | 16h00 |

**Registration of IAPs and submission of comments**

To ensure that you are identified as an interested and/or affected party (IAP), please submit your name, contact information and interest in the matter in writing to the contact person(s) given above within 14 days of publication of this advertisement. To ensure that your comments are included in the scoping report, these should be provided at the public information-sharing scoping meetings (described above) and/or be sent in writing to the above consultant by 05 August 2013.

**Additional information**

To obtain additional information about the proposed project and/or the environmental assessment process, please contact the above mentioned consultants.

**TSHIPI É NTLÉ MANGANESE MINING**  
**OMGEWINGSEVALUERINGSPROSES VIR DIE VOORGESTELDE TSHIPI OBP-WYSIGING VIR DIE TSHIPI BORWA-MYN**

Kennis word hiermee gegee, ingevolge die "Mineral and Petroleum Resources Development Act", 28 van 2002, die Nasionale Waterwet (NWA) 36 van 1998, die Nasionale Omgewingsbestuurswet (NEMA), 107 van 1998, die Nasionale Omgewingsbestuur: Afvalwet (NEMWA) 59 van 2008 en die Nasionale Omgewingsbestuur: Luggehaltewet (NEMAQA), 39 van 2004, van die voorneme om die aktiwiteite wat hieronder beskryf word, uit te voer. In hierdie opsig moet aansoeke om omgewingsmagtigings by die tersaaklike departemente (Departement van Omgewing- en Natuurbewaring (DENC), Noord-Kaapse Departement van Minerale-hulpbronne (DMR) en die Nasionale Departement van Omgewingsake (DEA) ingedien word. Gegewe die aard van die projek, sal beide die trefwydteprosedure en die prosedure vir omgewingsinvloedevaluering gevolg word.

**Verwysnommers en kontakpersone**

DMR-verwysnommer: NC30/5/1/2/2/0206MR (Mev Raisibe Sekepane)  
DENC-verwysnommer: NC/EIA/08/JTG/GAM/TSH1/2013 / NCP/EIA/0000229/2013 (Mnr. M. Mathews)  
DEA-verwysnommer: 12/9/11/L1259/8 (Mnr Herbert Kutama)

**Naam van voorsteller**

Tshipi é Ntle Manganese Mining (Tshipi) (Voorheen bekend as Ntsimbintle Mining (Edms) Bpk)

**Beskrywing van voorgestelde aktiwiteit**

Die oorspronklike omgewingsinvloedevaluering (OIE) en omgewingsbestuurprogram- (OBP) verslag is in 2009 deur DENC (voorheen bekend as die Departement van Toerisme, Omgewing en Bewaring) en DMR (voorheen bekend as die Departement van Minerale en Energie) goedgekeur. Tshipi beoog om sy bestaande goedgekeurde OIE en OBP-verslag te wysig om voorsiening te maak vir veranderings van sy goedgekeurde infrastruktuur-uitleg wat reeds plaasgevind het, asook voorgestelde veranderings. Veranderings wat reeds plaasgevind het, sluit in die verplasing van die afvalrotshoop, die verplasing van die kantore, werkswinkel en verwante infrastruktuur, veranderings van die ontwerp en kapasiteite van die goedgekeurde stormwaterdamme en veranderings in die ontwerp van die spoorwegslyn. Voorgestelde veranderings aan die goedgekeurde infrastruktuur-uitleg sluit in die daarstelling van 'n bykomende stormwaterdam, die verplasing van die laegraadse en fyngruishope en fyngruishope, uitbreiding van die rioolbehandelingsaanleg en diesel-bewaringsfasiliteit, ontwikkeling van 'n gemeenskaplike myn en afvalrotshooparea op die grens met die Mamatwan-myn, en die gebruik van uitskotmateriaal om die oop put terug te vul. Die voorgestelde OBP-wysigingsprojek van Tshipi beteken dat 'n aantal "geïdentifiseerde" aktiwiteite ingevolge verskeie omgewingsregulasies van stapel gestuur sal word. Dit magdie volgende aktiwiteite insluit:

- Gelyste Aktiwiteite ingevolge NEMA-regulasie 544 Lyskennisgewing 1: 28
- Gelyste Aktiwiteite ingevolge NEMA-regulasie 545 Lyskennisgewings 2: 3 en 5
- Afval-aktiwiteite ingevolge NEMWA-skedule: Kategorie B (7) en (11)
- Watergebruike ingevolge Artikel 21 van die NWA: 21 (g)
- Gelyste Aktiwiteite ingevolge NEWAQA-kategorie 2 (2) Subkategorie 2.2

**Ligging van die voorgestelde projek**

Die Tshipi Borwa-myn is ongeveer 20km suid van Hotazel, 47km wes van Kuruman en 36km noord van Kathu in die Johan Taolo Gaetsewe-distriksmunisipaliteit (voorheen bekend as Kgalagadi-distriksmunisipaliteit) in die Noord-Kaapse Provinsie geleë.

**Naam van konsultant om te kontak**

SLR Consulting (Afrika) (Edms) Bpk  
Kontakpersoon: Natasha Daly  
Posadres: Posbus 1596, Cramerview, 2060  
Tel: (011) 467 0945 en/of Faks: (011) 467 0978  
[ndaly@slrconsulting.com](mailto:ndaly@slrconsulting.com) of [cpringle@slrconsulting.com](mailto:cpringle@slrconsulting.com)

**Datum van publikasie van hierdie kennisgewing**

05 Julie 2013

**Openbare vergaderings**

Een openbare trefwydte-vergadering is as deel van die proses van openbare deelname gereël. Die besonderhede van die trefwydte-vergadering word in die onderstaande tabel voorsien:

**Tabel 1: Besonderhede van openbare trefwydte-vergadering**

| Datum         | Plek                      | Tyd   |
|---------------|---------------------------|-------|
| 30 Julie 2013 | Hotazel Recreational Club | 16h00 |

**Registrasie van BGP's en voorlegging van kommentaar**

Om te verseker dat u as 'n belanghebbende en/of geaffekteerde party (BGP) geïdentifiseer word, dien asseblief u naam, kontakbesonderhede en belang in die saak binne 14 dae vanaf die publikasie van hierdie advertensie skriftelik by bogenoemde kontakpersoon/persone in. Om te verseker dat u kommentaar by die trefwydteverslag ingesluit word, moet dit tydens die openbare trefwydtevergadering vir die deel van inligting (hierbo beskryf) gelewer word en/of skriftelik aan bogenoemde konsultant teen 05 Augustus 2013 voorgelê word.

**Addisionele inligting**

Om addisionele inligting omtrent die voorgestelde projek en/of die omgewingsevalueringproses te bekom, kom asseblief in aanraking met bogenoemde konsultante.



### SITE NOTICE PHOTOGRAPHS



Site Notice 1: Black Rock Supermarket



Site Notice 1: Black Rock Supermarket

### SITE NOTICE PHOTOGRAPHS



Site Notice 2: Hotazel Communication Office



Site Notice 2: Hotazel Communication Office

### SITE NOTICE PHOTOGRAPHS



Site Notice 3: D3340 and R380 intersection



Site Notice 4: Kathu Library



**SITE NOTICE PHOTOGRAPHS**



Site Notice 5: D3457 and R380 intersection



Site Notice 6: Along the road to the Mamatwan Mine

**SITE NOTICE PHOTOGRAPHS**



Site Notice 7: Old Middelplaats Mine



Site Notice 8: Entrance to the Middelplaats farm

**SITE NOTICE PHOTOGRAPHS**



Site Notice 8: Entrance to the Middelplaats farm



Site Notice 9: The D3457, boundary of Tshipi Borwa Mine

### SITE NOTICE PHOTOGRAPHS



Site Notice 10: Entrance to the Tshipi Borwa Mine



Site Notice 10: Entrance to the Tshipi Borwa Mine

### SITE NOTICE PHOTOGRAPHS

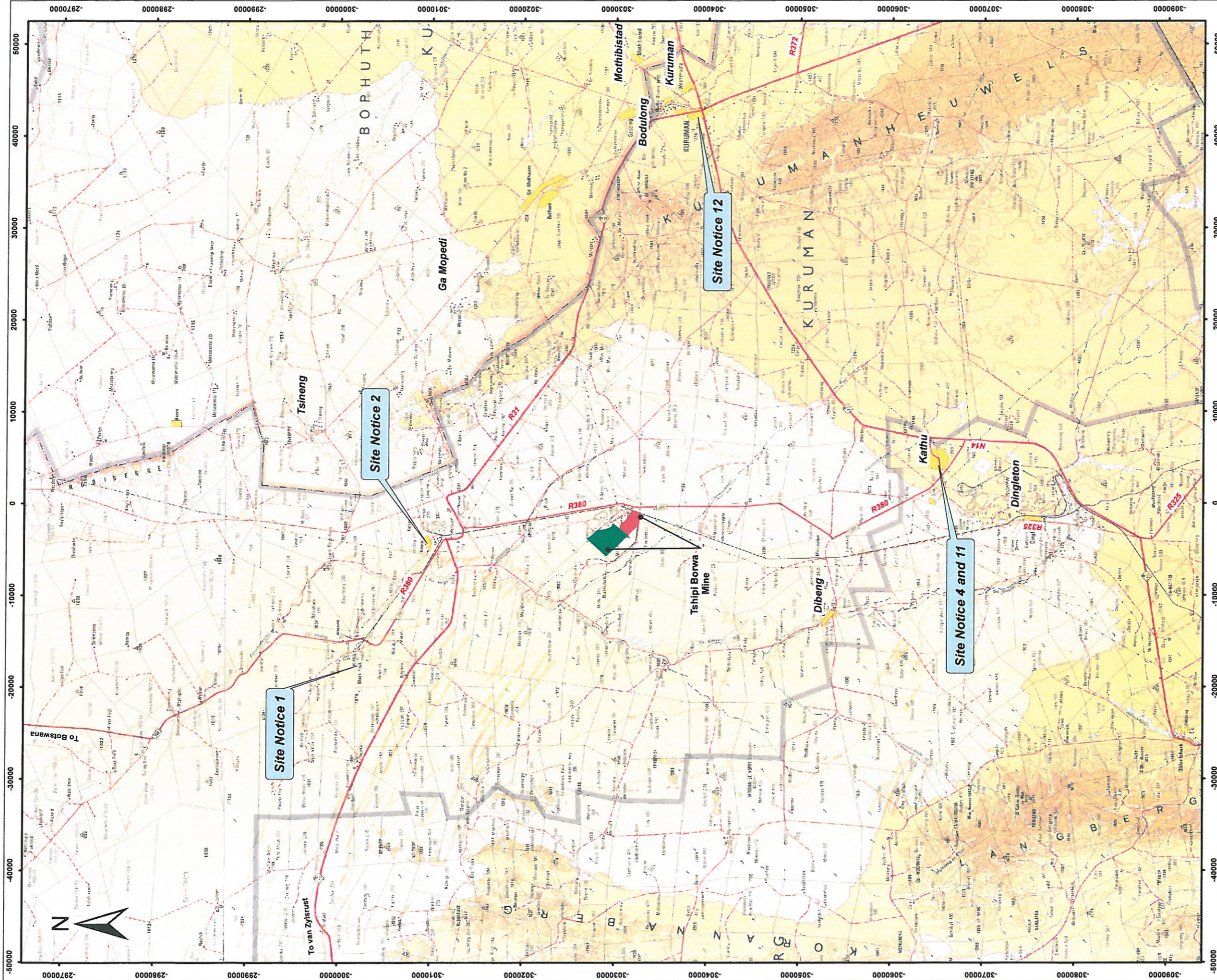


Site Notice 11: Gamagara Municipality in Kathu



Site Notice 12: Joe Morolong Municipality in Kuruman





**Legend**

- Mining Right Area and Surface Use Area
- Surface Use Area

TSHIPI E' NTLE MANGANESE MINING

**Figure 1**  
Regional Setting



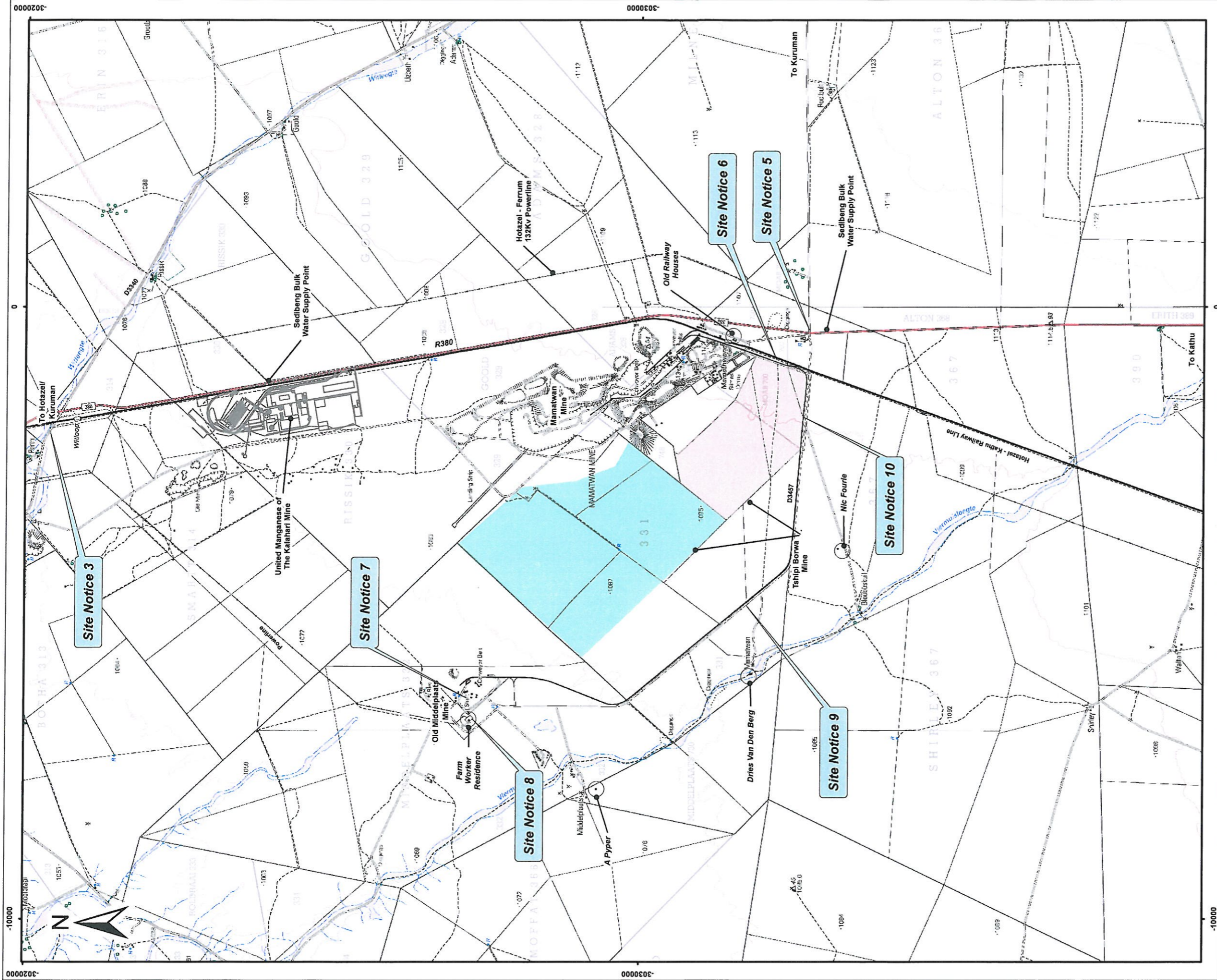
SLR Consulting (Africa) (Pty) Ltd  
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Scale: 1:250 000 @ A3  
Projection: Transverse Mercator  
Datum: WGS1984, L23

710 20008.00008

July 2013





**Legend**

- Mining Right and Surface Use Area
- Surface Use Area

TSHIPI E'NTLE MANGANESE MINING

**Figure 2**

Local Setting



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Scale: 1:60 000 @ A3  
 Projection: Transverse Mercator  
 Datum: WGS1984, L23

710.20008.00008

July 2013



# Kumba Communications Win Prestigious Awards

www.kathugazette.co.za



Nelmarie Schutte (Kolomela mine), Tanya Aucamp (Sishen mine), Ghrethna Kruger, Mooketsi Mocumi and Gert Schoeman (all from Kumba's Corporate Office in Centurion).

Kumba's communication efforts were recognised with four Gold Quills by the International Association for Business Communicators (IABC) at its 2013 World Conference in York City. These prestigious awards are regarded as the "Oscars" of communication management globally. The awards were presented at a glamorous ceremony attended by more than 700 guests in the ballroom of the Hilton New York Hotel in Midtown, Manhattan on Monday 23 June 2013. The IABC has 15 000 members in 80 countries, of which about 1 400 attended the World Conference. From over 800 entries, only 179 Gold Quills were awarded. This year's 2013 ceremony marks the most awards won by Africa, with six Gold Quill Awards of Excellence. Kumba's Nelmarie Schutte (Kolomela mine), Tanya Aucamp (Sishen mine) and Mooketsi Mocumi (Corporate Office, Centurion) won three of the six Gold Quills. Kumba was also awarded a Gold

Quill Award of Merit, which was received by Ghrethna Kruger (Corporate Office, Centurion). These four have also won Africa IABC awards that will be presented at a special event in Pretoria on Wednesday 17 July 2013. Says Gert Schoeman, Kumba's Corporate Communication Manager who accompanied the communications team to New York, "To win one Gold Quill is an achievement; to win four is truly exceptional. This demonstrates that Kumba's communication efforts are up there with the best. We are very proud of the team." The Gold Quill programme celebrates the best and brightest in global business communication, recognising international best practice. The entries were evaluated by an international panel of more than 140 evaluators who met in person and virtually to provide individual feedback. *KIO Communication*. The Kathu Gazette wishes to congratulate Kumba's communication team on their awards.

## Mining Stakeholders Sign Agreement

Continued from page 1

on the mines and the way labour interacts with employers. The second is labour relations and addressing key issues that have soured the interaction between companies and workers. These included living and working conditions, migrant labour and the debt burden most employees have, in particular garnishee orders that decimate take-home pay. There are no sanctions or mechanisms in the document to compel signatories to comply with the agreement. "Investors are not interested in this document," Mr Motlanthe said. "They are interested in a stable mining industry that operates within the framework of the law." Mrs Bridgette Radebe, President of the South African Mining Development Association, which represents junior mining companies,

said Amcu had played a key role in drawing up the final document, with delegates spending a long time last Friday 28 June 2013 incorporating its suggestions. Amcu's actions should also be seen in the context of gold sector wage negotiations starting next week, said Gideon du Plessis, General Secretary of trade union Solidarity. "I think part of what we saw today is about Amcu positioning itself ahead of the talks. "It looks like they're sending a message that they won't be forced into anything." There is no commitment from Amcu yet that it will join in centralised gold wage talks. Amcu is the second-biggest union in the gold sector behind the NUM's 65%, representing 17% of unionised workers. *Business Day Live*

### TSHIPI É NTLE MANGANESE MINING

#### ENVIRONMENTAL ASSESSMENT PROCESS FOR THE PROPOSED TSHIPI EMP AMENDMENT FOR THE TSHIPI BORWA MINE

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#### Reference numbers and contact people

DMR reference number: NC30/5/1/2/2/0206 MR (Mrs Raisibe Sekepane)  
DENC reference number: NC/EIA/08/JTG/GAM/TSH1/2013 /NCP/EIA/0000229/2013 (Mr M Mathews)  
DEA reference number: 12/9/11/L1259/8 (Mr Herbert Kutama)

#### Name of proponent

Tshipi é Ntle Manganese Mining (Tshipi) (Previously known as Ntsimbintle Mining (Pty) Ltd)

#### Description of proposed activity

The original environmental management impact (EIA) assessment and environmental management programme (EMP) report was approved by DENC (previously known as the Department of Tourism, Environment and Conservation) and DMR (previously known as the Department of Minerals and Energy) in 2009. Tshipi is proposing to amend its existing approved EIA and EMP report to cater for changes to its approved infrastructure layout that have already taken place as well as proposed changes. Changes that have already taken place include the relocation of the waste rock dump, the relocation of the offices, plant, workshop and related infrastructure, design and capacities change of the stormwater dams and changes in the design of the railway siding. Proposed changes to the approved infrastructure layout include the establishment of an additional stormwater dam, the relocation of the low grade and fines stockpiles, expansion of the sewage treatment plant and diesel storage facility, development of a joint mining and waste rock dump area on the boundary with Mamatwan mine and the use of tailings material to backfill the open pit. The proposed Tshipi EMP amendment project triggers a number of "identified" activities in terms of various environmental regulations. These may include the following activities:

- Listed Activities in terms of NEMA Regulation 544 Listing Notice 1: 28
- Listed Activities in terms of NEMA Regulation 545 Listing Notice 2: 3 and 5
- Waste Activities in terms of NEMWA Schedule: Category B (7) and (11)
- Water Uses in terms of Section 21 of the NWA: 21 (g)
- Listed Activities in terms of NEWAQA Category 2 (2) Sub-category 2.2

#### Location of the proposed project

The Tshipi Borwa Mine is located approximately 20km south of Hotazel, 47km west of Kuruman and 36km north of Kathu in the Johan Taolo Gaetsewe District Municipality (previously known as the Kgalagadi District Municipality) in the Northern Cape Province.

#### Name of consultant to contact

SLR Consulting (Africa) (Pty) Ltd  
Contact person: Natasha Daly  
Postal Address: PO Box 1596, Cramerview, 2060  
Tel: 011 467 0945 and/or Fax: 011 467 0978  
ndaly@slrconsulting.com

#### Date of publication of this notice

05 July 2013

#### Public meetings

One public scoping meeting has been arranged as part of the public participation process. The details of the scoping meeting are provided in the table below:

Table 1: Details of public scoping meeting

| Date         | Venue                     | Time  |
|--------------|---------------------------|-------|
| 30 July 2013 | Hotazel Recreational Club | 16:00 |

#### Registration of IAPs and submission of comments

To ensure that you are identified as an interested and/or affected party (IAP), please submit your name, contact information and interest in the matter in writing to the contact person(s) given above within 14 days of publication of this advertisement. To ensure that your comments are included in the scoping report, these should be provided at the public information-sharing scoping meetings (described above) and/or be sent in writing to the above consultant by (05 August 2013).

#### Additional information

To obtain additional information about the proposed project and/or the environmental assessment process, please contact the above mentioned consultants.





**Kobus Bekker**  
082 584 4023

Vir enige  
navrae  
kontak  
053 723 1538



**Pieter Kruger**

Kathu en  
Omgewing

# Precast Walling nou in Kathu en omgewing !!

Bekostigbaar • Vinnige oprigting • Duursaam



# Huis vir diere gesoek



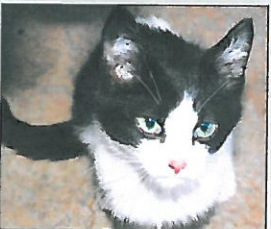
HIERDIE grys katjie is ongeveer drie maande oud.



'n JONG Jack Russell-reuntjie is gereed om aangeneem te word.



VOLGENS Sonja Grobler het die teefhondjie 'n mooi geaardheid en sal in enige huis aanpas.



DIE katjie van ongeveer drie maande is ook gereed vir aanneming.



DIE gemmerkatjie soek 'n huis.

Foto's: Sonja Grobler

Annerie Louw

HOE kan 'n mens 'n troeteldier by die Dieresoorg-vereniging (DSV) op Kuruman aanneem?

"Baie mense kom kuler by die hokke en vra dan of ons honde en katte verkoop," sê Sonja Grobler, lid van die DSV-komitee. "Ons verkoop nie die diere nie. Ons doel is om vir elke hawelose dier in ons sorg 'n liefdevolle en geskikte huis te soek. Baie van die diere is maande en in sommige gevalle jare by ons totdat ons 'n geskikte huis gevind het."

Grobler sê die prosedure om 'n hond of kat aan te neem is soos volg:

Sodra 'n lid van die publiek besluit het om 'n spesifieke hond of kat aan te neem stuur die DSV 'n verteenwoordiger na die betrokke persoon se huis. Daar word na verskillende aspekte gekyk:

■ Is die eiendom omhein met 'n muur of verkieslik duiwels-vurk-omheining? As dit byvoorbeeld 'n groot hond is en die persoon het net 'n draadheining sal die aansoek afge-

keur word. Die veiligheid van die diere is vir die DSV baie belangrik.

■ Die hond moet 'n geskikte hok hê om in te slaap en 'n lekker warm kombers vir die winter. Daar moet ook 'n geskikte water- en kosbak wees. Die aansoeker mag ook nie meer as een ander hond op die erf hê nie.

■ Alle honde en katte moet gesteriliseer word. Geen uitsondering sal gemaak word nie. Een van die grootste redes waarom die DSV met 'n magdom honde en katte sit, is omdat mense toelaat dat diere ongekontroleerd aantel. Die rekening vir die sterilisering is vir die rekening van die voornemende aannemer van die dier.

Daar is pragtige verhale van mense wat diere aangeneem het en gelukkig is met hul besuit. Elke dier het die reg op 'n liefdevolle huis, kos en water en mediese sorg as dit nodig is. Kom kyk gerus na die beskikbare diere voordat u 'n hond of kat by 'n teler koop. Vir inligting skakel Ronel de Bruyn by 073-256-2059.

## Likkewaan laat boer skrik

Annerie Louw

'n REUSE-LIKKEWAAN is op die plaas Tigerkolk van Frikkie le Roux, ongeveer 10 km van Vanzylsrus af, gekry waar hy heerlik in die son in 'n ou droë waterkrip gelê en bak het.

Le Roux sê hy het so teen 11:00

deur die kampe gery om lek vir die diere te gooi en te kyk of hulle water het toe hy op die dierias afkom. Hy het amper gedink dis 'n krokodil. Hy het met 'n plastiekpyp aan die likkewaan geraak om te kyk of hy met sy stert kap, maar volgens Le Roux het dit gelyk asof dit hom nie laat skrik het nie.

"Hy het net sy lyf so plat gestrek asof hy die aanraking baie geniet het," sê Le Roux.

Hy skat die likkewaan is ongeveer 1,5 m lank.

DIE likkewaan lê lekker warm in die droë krip.

Foto: Frikkie le Roux



**NUWE KIA CERATO NOU BESKIKBAAR!**

**Cerato 1.6-handrat vanaf R219 995 BTW ing.**

**Cerato 2.0-handrat vanaf R249 995 BTW ing.**

Verkooperspersone: **Danzil | Willa | Llewellyn | Thys | Gert**

**KIA KIA MOTORS UPTINGTON**

Tel: 087 700 3726  
 Fax: 086 731 6648

Van Coppehagenstraat 2 | Uplington 8801  
 PO Box 3332 | Uplington 8800  
 workshop@kiaupington.co.za

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**Hoorhier...  
 Gehoorprobleme?  
 Spraak-/taal-/  
 leerprobleme?**

Scottstr 59, Medpro Arkade, Uplington  
 Tel. 054 332 2554/082 864 6429  
 Magda Leibbrandt: Oudioloog en spraakterapeut

**TSHIPI É NTLÉ MANGANESE MINING ENVIRONMENTAL ASSESSMENT PROCESS FOR THE PROPOSED TSHIPI EMP AMENDMENT FOR THE TSHIPI BORWA MINE**

Notice is given in terms of the Mineral and Petroleum Resources Development Act, 28 of 2002, the National Water Act (NWA) 36 of 1998, the National Environmental Management Act (NEMA), 107 of 1998, the National Environmental Management: Waste Act (NEMWA) 59 of 2008 and the National Environmental Management: Air Quality Act (NEMQA), 39 of 2004 of intent to carry out the activities described below. In this regard, applications for environmental authorisations must be submitted to the relevant departments (Department of Environment and Nature Conservation (DENC), Northern Cape Department of Mineral Resources (DMR) and the National Department of Water and Environmental Affairs (DWEA). Given the nature of the project, both scoping and environmental impact assessment procedures will be followed.

**Reference numbers and contact people**  
 DMR reference number: NCS/05/1/2/2/0206MR (Mrs Raisibe Sekepana)  
 DENC reference number: NC/EIA/08/JTG/GAM/TSH/12013/NCP/EIA/0000229/2013 (Mr M Mathews)  
 DEA reference number: 12/9/11/L1259/B (Mr Herbert Kutarna)

**Name of proponent**  
 Tshipi é Ntlé Manganese Mining (Tshipi) (Previously known as Ntsimbintle Mining (Pty) Ltd)

**Description of proposed activity**  
 The original environmental management impact (EIA) assessment and environmental management programme (EMP) report was approved by DENC (previously known as the Department of Tourism, Environment and Conservation) and DMR (previously known as the Department of Minerals and Energy) in 2009. Tshipi is proposing to amend its existing approved EIA and EMP report to cater for changes to its approved infrastructure layout that have already taken place as well as proposed changes. Changes that have already taken place include the relocation of the waste rock dump, the relocation of the offices, plant, workshop and related infrastructure, design and capacity change of the storm water dams and changes in the design of the railway siding. Proposed changes to the approved infrastructure layout include the establishment of an additional storm water dam, the relocation of the low grade and fines stockpile, expansion of the sewage treatment plant and diesel storage facility, development of a joint mining and waste rock dump area on the boundary with Mamatwan mine and the use of tailings material to backfill the open pit. The proposed Tshipi EMP amendment project triggers a number of 'identified' activities in terms of various environmental regulations. These may include the following activities:

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- Listed Activities in terms of NEMQA Category 2 (2) Sub-category 2.2

**Location of the proposed project**  
 The Tshipi Borwa Mine is located approximately 20 km south of Hotazel, 47 km west of Kuruman and 38 km north of Kadu in the John Taolo Gaetsewe District Municipality (previously known as the Kgalegadi District Municipality) in the Northern Cape Province.

**Name of consultant to contact**  
 SLR Consultings (Africa) (Pty) Ltd  
 Contact person: Natasha Daly  
 Postal Address: PO Box 1696, Cramerville, 2060  
 Tel: 011 467 0845 and/or Fax: 011 467 0978  
 ndaly@slrconsulting.com

**Date of publication of this notice:** 4 July 2013

**Public meetings**  
 One public scoping meeting has been arranged as part of the public participation process. The details of the scoping meeting are provided in the table below:

**Table 1: Details of public scoping meeting**

| Date         | Venue                     | Time  |
|--------------|---------------------------|-------|
| 30 July 2013 | Hotazel Recreational Club | 16:00 |

**Registration of IAPs and submission of comments**  
 To ensure that you are identified as an interested and/or affected party (IAP), please submit your name, contact information and interest in the matter in writing to the contact person(s) given above within 14 days of publication of this advertisement. To ensure that your comments are included in the scoping report, these should be provided at the public information-sharing scoping meetings (described above) and/or be sent in writing to the above consultant by (5 August 2013).

**Additional information**  
 To obtain additional information about the proposed project and/or the environmental assessment process, please contact the above mentioned consultants.



# TSHIPI É NTLÉ MANGANESE MINING

## PROPOSED TSHIPI BORWA MINE EMP AMENDMENT BACKGROUND INFORMATION DOCUMENT

JULY 2013

### INTRODUCTION

Tshipi é Ntle Manganese Mining (Tshipi) (Previously known as Ntsimbintle Mining (Pty) Ltd) currently operates the developing Tshipi Borwa Mine located on the farms Mamatwan 331 and Moab 700, to the south of Hotazel in the John Taolo Gaetsewe District Municipality (previously known as the Kgalagadi District Municipality) in the Northern Cape Province. The project location is illustrated in Figure 1.

The mine currently holds an approval (NC/30/5/1/2/2/0206MR) from the Department of Minerals and Energy (currently known as the Department of Mineral Resources) and an approval (NC/KGA/KATHU/37/2008) issued by the Department of Tourism, Environment and Conservation (currently known as the Department of Environment and Nature Conservation).

Tshipi is proposing to amend its approved Environmental Impact Assessment (EIA) and Environmental Management Programme (EMP) to cater for changes to its approved infrastructure layout that have already taken place as well as proposed changes. Changes that have already taken place at the Tshipi Borwa Mine include:

- the relocation of the two waste rock dumps;
- the relocation of the offices, plant, workshops and related infrastructure;
- design and capacities change of the approved stormwater dams; and
- changes in the design of the railway siding.

Proposed changes to the approved infrastructure layout include:

- the establishment of an additional stormwater dam;
- the relocation of the low grade and fines stockpiles;
- the expansion of the existing sewage treatment plant;
- the expansion of the existing diesel storage facility;
- development of a joint mining and waste rock dump area on the boundary with Mamatwan mine; and
- the use of tailings material to back fill the open pit.

### PURPOSE OF THIS DOCUMENT

This document has been prepared by SLR to inform you about:

- \* the proposed project;
- \* to provide information of the baseline environment;
- \* the environmental assessment process to be followed;
- \* possible environmental impacts; and
- \* how you can have input into the environmental authorisation process.

### ENVIRONMENTAL AUTHORISATION PROCESS

Prior to the commencement of the proposed project an environmental assessment is required, including an application phase, scoping phase, and an EIA and EMP phase. The assessment will be conducted in terms of the Mineral and Petroleum Resources Development Act, 28 of 2002, and the National Environmental Management Act (NEMA), 107 of 1998. Both laws apply because the proposed project will be at a mine and they incorporate a number of listed/identified activities from NEMA Regulations R544 and R545. In addition to this, some of the project components will also require authorisation in terms of the National Water Act, 36 of 1998, the National Environmental Management: Waste Act 59 of 2008 and the National Environmental Management: Air Quality Act of 2004.

SLR Consulting (Africa) (Pty) Ltd (SLR), an independent firm of environmental consultants, has been appointed by Tshipi to manage the environmental assessment process.

### YOUR ROLE

You have been identified as an interested and affected party (IAP) who may want to be informed about the proposed project and have input into the environmental process and reports. You will be given the opportunity to provide input at public meetings, and also to review and comment on the following reports:

- \* Scoping Report
- \* EIA/EMP amendment Report

All comments will be recorded and included in the applications to the relevant departments for decision-making.

### HOW TO RESPOND

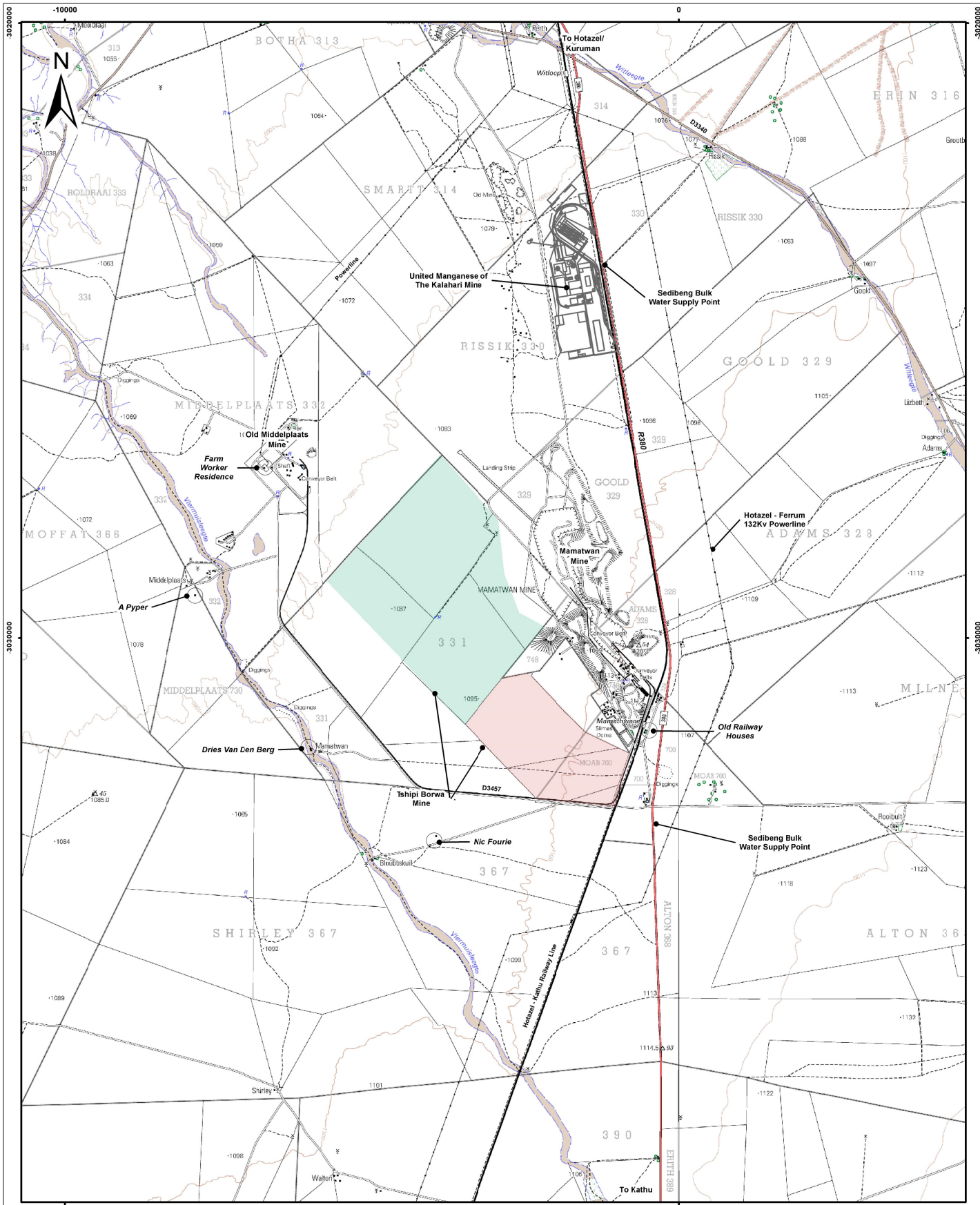
Responses to this document can be submitted by means of the attached comments sheet and/or through communication with the person listed below.

### WHO TO CONTACT

Natasha Daly and/or Caitlin Pringle  
(011) 467 0945 (Tel) or  
(011) 467 0978 (Fax) or  
[ndaly@slrconsulting.com](mailto:ndaly@slrconsulting.com) or  
[cpringle@slrconsulting.com](mailto:cpringle@slrconsulting.com)

DMR reference number: (NC/30/5/1/2/2/0206MR )  
DENC reference number: (NC/EIA/08/JTG/GAM/TSH  
1/2013 / NCP/EIA/0000229/2013),  
DEA (12/9/11/L1259/8)

Please ensure that all reference numbers are included on all correspondence.



**Legend**

- Mining Right and Surface Use Area
- Surface Use Area

TSHIPI

**Figure 1**  
**Local Setting**



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P O Box 1596, Craemerivier, 2050, South Africa  
Tel: +27 (11) 467-9945 Fax: +27 (11) 467-0978

0 1 000 2 000 Meters

Scale: 1:60 000 @ A3  
Projection: Transverse Mercator  
Datum: WGS1984, LoZ3

710.20008.00008

May 2013



## PROJECT OVERVIEW – CHANGES TO INFRASTRUCTURE THAT HAVE TAKEN PLACE

Tshipi is proposing to amend its approved infrastructure layout to cater for changes that have already taken place. Further detail is provided below. Refer to Figure 2 for the approved infrastructure layout and Figure 3 for proposed infrastructure layout.

### Relocation of the two waste rock dumps

As part of the approved EIA and EMP, two waste rock dumps were planned with a total area of approximately 215 ha and volume of 91.5 million m<sup>3</sup> (Figure 2). These waste rock dumps have been relocated and have a total area of 71 ha and a total volume of 28 million m<sup>3</sup>. The current position of the waste rock dump is illustrated in Figure 3.

### Relocation of the offices, plant, workshops and related infrastructure

Tshipi has relocated their offices, plant, workshop and related infrastructure. Refer to Figure 2 for the position of the offices, plant, workshops and related infrastructure as per the approved EIA and EMP. Refer to Figure 3 for the position of the relocated offices, plant, workshop and related infrastructure.

### Design and capacities change of the approved stormwater dams

The approved EIA and EMP makes provision for the establishment of the following stormwater dams:

- a 10MI stormwater dam for the collection of dirty water from the operational areas (mining workshop and primary crusher area);
- an 8MI stormwater dam for the collection of dirty water from around the plant area; and
- a 6.3MI settling dam that would receive dirty water from the pit dewatering and the various storm water dams described above (Figure 2).

These stormwater dams have been combined to form one 24.3MI stormwater dam (Figure 3) which consists of numerous compartments. The stormwater dam is lined with an HDPE liner.

### Change in the design of the railway siding

As part of the approved EIA and EMP a railway siding would be established adjacent to the R380 (Figure 2). The siding will incorporate a loop, which eliminates the need for shunting and will enable the transportation of product and some incoming materials by means of trains. The design of the railway siding has change and the length of the railway siding has been increased (Figure 3).

## PROJECT OVERVIEW – PROPOSED CHANGES TO THE INFRASTRUCTURE LAYOUT

Tshipi is proposing to amend its approved infrastructure layout to cater for changes for proposed infrastructure changes. Further detail is provided below. Refer to Figure 2 for the approved infrastructure layout and Figure 3 for proposed infrastructure layout.

### Establishment of an addition stormwater dam

Tshipi is proposing to establish an addition stormwater dam near the contracts area to collect dirty run-off water from the contractor's site (Figure 3). The stormwater dam has been designed for a capacity of 4MI and will be lined with an HDPE liner.

### Relocation of the low grade stockpiles

The approved EIA and EMP makes provision for two low grade stockpiles (Figure 2). Tshipi is proposing to establish one low grade stockpile. Refer to Figure 3 for the proposed position of the relocated low grade stockpile.

### Relocation of the fines stockpiles

Tshipi is proposing to relocate the position of the approved fines stockpile (Figure 2). Refer to Figure 3 for the proposed position of the fines stockpile.

### Expansion and design change of the sewage treatment plant

The approved EIA and EMP makes provision for an anaerobic digester sewage plant for the treatment of 60m<sup>3</sup> of sewage per day. It is proposed that the design of the sewage treatment plant be changed to a sludge activated system and Tshipi is proposing to expand this plant for the treatment of 96m<sup>3</sup> of sewage per day. The position is also proposed as a change (Refer to Figure 2 and 3).

### Expansion of the diesel storage facilities

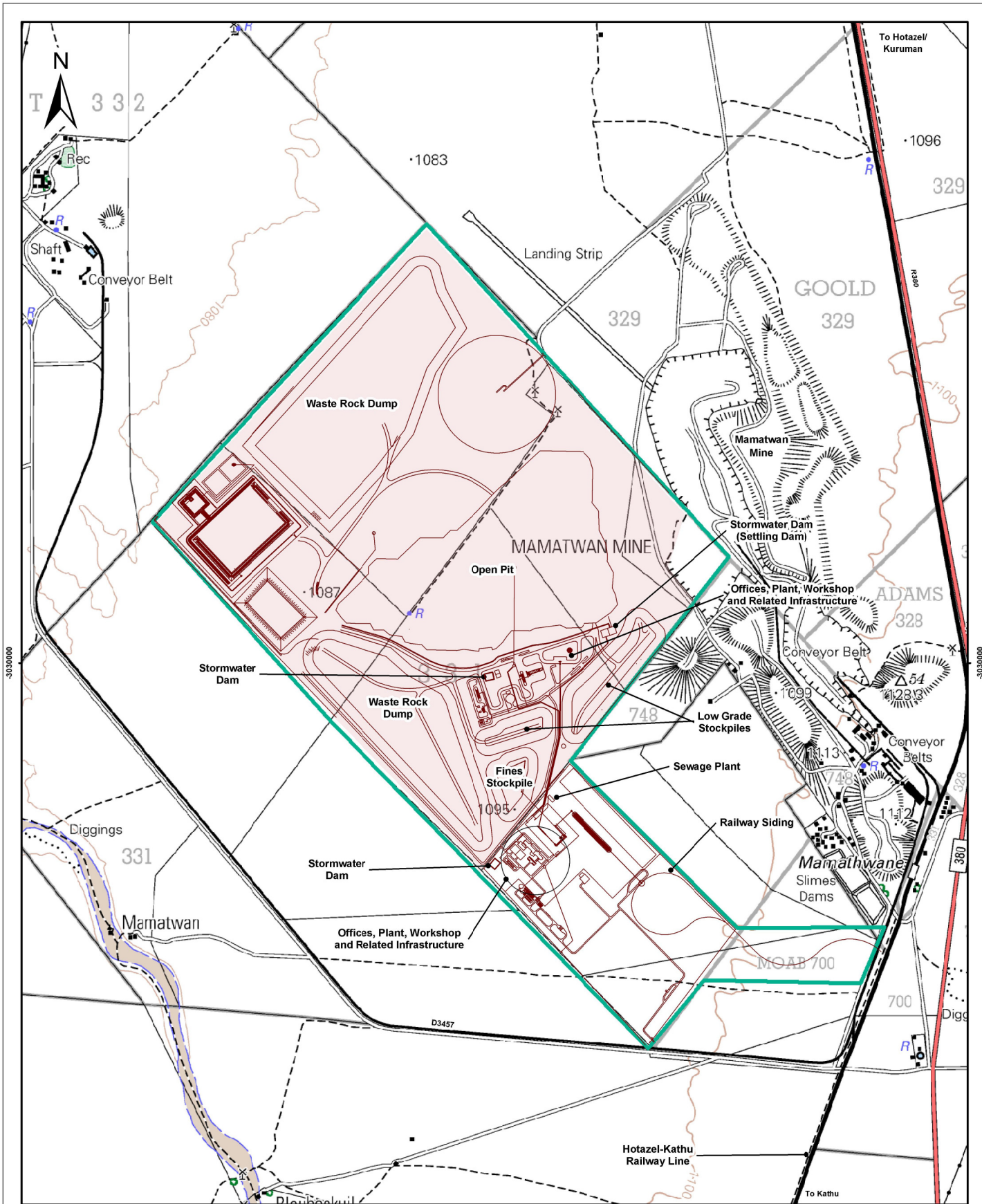
Tshipi currently has approval for the storage of 500m<sup>3</sup> of diesel on site. Tshipi is proposing to expand their current diesel storage capacity by an additional 500m<sup>3</sup>.

### Development of a joint mining venture

Tshipi is proposing to develop a joint mining and waste rock dump area on the boundary with the Mamatwan mine. The proposed Mamatwan joint development area is shown on Figure 3.

### Use of tailings material to backfill the open pit

Tshipi is proposing to use a combination of tailings material, gravel, sand and waste rock (mainly calcrete) to backfill the open pit.



**Legend**

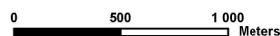
- Approved\_Infrastructure
- Approved Mining Right Area
- Surface Use Area

TSHIPI

**Figure 2**  
**Approved Infrastructure Layout**



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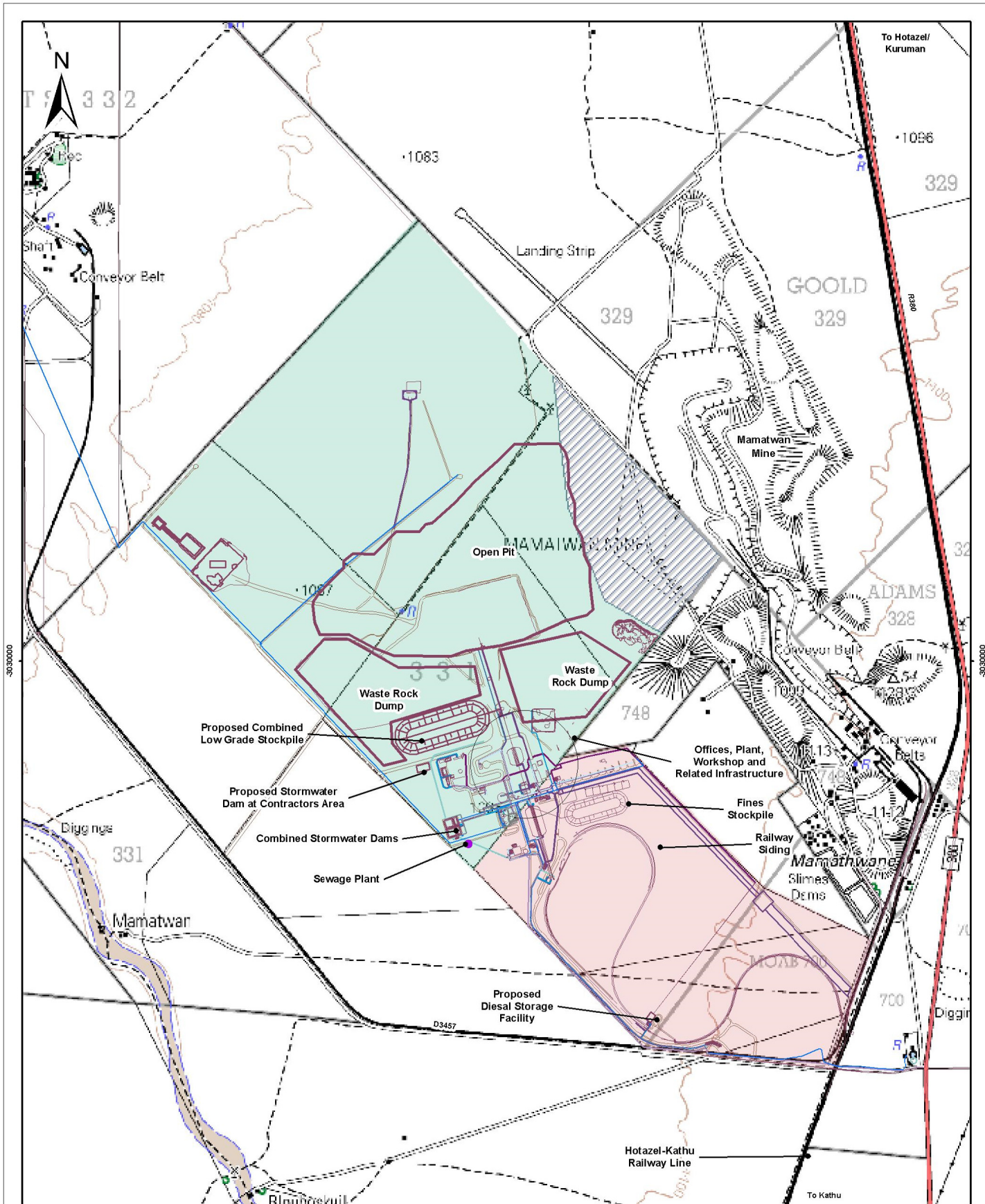


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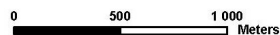
June 2013





**Legend**

- Infrastructure
- Mining Right and Surface Use Area
- Surface Use Area
- ▨ Proposed Mamatwan Joint Development Area



Scale: 1:25 000 @ A3  
 Projection: Transverse Mercator  
 Datum: WGS1984, Lo23

TSHIPI

**Figure 3**  
**Proposed Infrastructure Layout**



SLR Consulting (Africa) (Pty) Ltd  
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710.20008.00008

June 2013

## STATUS OF THE EXISTING ENVIRONMENT

This section provides a basic description of the existing status of the environment.

**Geology:** The mine is located in the Kalahari Basin which is a manganese hotazel iron formation within the Kalahari Manganese Field. The Kalahari basin is approximately 56 km and has a width varying between 5 and 20 km. No significant faults, fractures or other lineaments occur on site.

**Climate:** The mine is located in the northern steppe climatic zone which is a semi-arid region characterised by seasonal rainfall (October to April), hot temperatures in summer, and cold temperatures in winter. Average annual precipitation ranges from 386 mm to 455 mm with rainfall generally in the form of thunderstorms. The prevailing wind direction is from the southeast with a high frequency of strong wind also occurring from the north and northwest.

**Topography:** The mine is located in a relatively flat area with a gentle slope towards the North West. The elevation on site varies from 1087 m to 1107 m above mean sea level (mamsl).

**Soils and land capability:** Soils types at the mine are homogeneous in terms of texture, structure, and soil depth. Soil types consists of deep (>1.5m) windblown sand of the Hutton soil form. Soils at the mine have a low cultivation potential due to the high infiltration rates associated with sandy soils.

**Land use:** Land uses surrounding the mine include a combination of livestock grazing, game farming, mining, railway and sparsely situated residences.

**Animal life:** Bird species likely to occur at the mine include, the Northern Black Korhaan, the Longbilled lark, the Grey hornbill, Chat Flycatcher and Clapper lark. Mammals that are likely to occur at the mine include Steenbok, Duiker, Suricate, White-tailed Mongoose, Molerat, and ground squirrels. The animal life population in general has been disturbed due to the existing Tshipi Borwa Mine activities and pre-mining activities such as farming, prospecting and surrounding mining activities. Red listed data species that are likely to occur on site include the Martial Eagle, Ludwigs Busted, Secretary Bird, Honey Badger and South African Hedgehog.

**Plant life:** The Tshipi Borwa Mine falls within the Kathu Bushveld and consists of three habitat/vegetation types. These habitat/vegetation types include the *Acacia haematoxylon* Savannah, Mixed *Acacia* Savannah and *Grevia Flava* Scrub. The *Acacia haematoxylon* Savannah and Mixed *Acacia* Savannah can be considered more sensitive habitat/vegetation types due protected tree species such as the *Acacia erioloba* (Camel thorn) and *Acacia haematoxylon* (Grey camel thorn) that occur within these habitat/vegetation types. No Red Data species are expected to occur at the mine.

**Surface water:** The mine is located within Quaternary Catchment D41K. The closest watercourses to the mine are the non-perennial Vlermuisleegte ( $\pm 2$ km southwest), the non-perennial Witleegte ( $\pm 10$ km northeast), and the non-perennial Ga-Mogara ( $\pm 6$  km west). Surface water in the area is may be used for livestock watering and limited domestic purposes. However, no reliable water use is possible from any of the watercourses (Gamogara, Witleegte, Vlermuisleegte Rivers) due to their non-perennial nature and related seasonal river flow. No wetlands occur on the mine site.

**Groundwater:** Two aquifers are present beneath the mine, namely a shallow aquifer comprising Kalahari sands and calcrete and a deeper fractured aquifer comprising Dwyka clay and Mooidraai dolomite formation. The average ground water level at the mine ranges from 20 m to 45m below ground level. Groundwater flows are in a west-north-west direction. The natural water quality in the area ranges from marginal quality to very poor water quality. The majority of the groundwater boreholes in the area are used to supply drinking water for cattle and in some instances supply water for domestic use.

**Air quality:** Apart from the current Tshipi Borwa Mine operations, various activities in the area have potential to contribute to the emission of pollutants. These pollutants include: fugitive dust from veld fires, wind erosion from open areas, dust generated by agricultural activities, vehicle tailpipe emissions, mining emissions, household fuel combustion, and rail-related fuel combustion.

**Noise:** The greater area is generally defined by rural features and is not subjected to elevated noise levels. Existing noise in the project area is mainly caused by surrounding farming activities, localised traffic, train movements, and mining operations. Previously (pre-mining) measured ambient noise levels vary from 39 dBA during the day to 33 dBA during the night.

**Visual:** The Tshipi Borwa Mine is located within the flat open plains of the Kalahari. The site is rural in nature in that it is sparsely populated with farmhouses scattered throughout the area. The existing mining operations and construction activities have already affected the sense of place and natural visual character of the area.

**Heritage/cultural and palaeontological resources:** No significant heritage resources or cultural materials have been found to occur at the Tshipi Borwa Mine.

**Socio-economic:** Isolated farm houses and farm worker residences are the closest settlements to the mine and are located within a 2km radius. The educational levels in the area are relatively low. There is a high level of unemployment with a dependency on subsistence agriculture, the public sector, seasonal workers and employment in the mining sector. Water provision and sanitation remains a challenge, mostly in the rural areas. There has been an increase in the number of households that were provided with electricity as a source of energy in the area. Mining and government services are the main economic sectors.



## POTENTIAL ENVIRONMENTAL IMPACTS

The following preliminary list of potential impacts has been identified and will be investigated as part of the environmental assessment process.

Loss and sterilisation of mineral resources – The placement of infrastructure in close proximity to a mineable resource as well as the disposal of mineral resources as backfill in the open pit has the potential to result in the loss and sterilisation of mineral resources.

Safety – The proposed project has the potential to alter the topography and present infrastructure and excavations which may present potential safety risks for both people and animals.

Soil and land capability– The placement of infrastructure and mining activities has the potential to compromise soil resources through physical disturbance (erosion and compaction) and/or pollution. Loss of soil resources has a direct impact on the natural capability of the land.

Biodiversity – the placement of infrastructure and mining activities has the potential to disturb and/or destroy vegetation, habitat units and related ecosystem functionality, including the disturbance of protected species.

Surface water – The proposed project has the potential to alter surface drainage patterns through the placement of infrastructure and to pollute surface water resources through the nature of mining activities.

Groundwater – the proposed project has the potential to contaminate groundwater resources which could impact availability to other groundwater users.

Air – The proposed project has the potential to contribute additional air pollution.

Noise – The proposed project has the potential to cause noise pollution through the presence of mining infrastructure and activities.

Visual – the placement of infrastructure and mining activities has the potential to create visual impacts through topographical changes.

Heritage resources – the proposed project has the potential to damage heritage resources should there be any chance finds.

Land use – the proposed project has the potential to impact on surrounding land uses such as livestock grazing, game farming and sparsely situated residences.

Socio-economic – the proposed project has the potential to contribute towards positive and negative socio-economic impacts. Positive impacts include job creation and stimulation of local and regional economy. Negative socio-economic impacts such as the influx of job seekers linked to social pathologies.

## ENVIRONMENTAL AUTHORISATION PROCESS

The environmental process provides information on the project and environment in which it is being undertaken; identifies, in consultation with interested and/or affected parties (IAPs), the potential negative as well as positive impacts of the project; and reports on management measures required to mitigate impacts to an acceptable level. The likely process steps and timeframes are provided below. IAPs and other stakeholders registered on the project's database will receive notification of information-sharing meetings and report review periods in advance.

### STEPS IN THE AUTHORISATION PROCESS

#### PHASE I – Application phase (May to June 2013)

Submission of applications to DENC and DEA.  
Notify DMR of Tshipi's intention to amend the approved EMP.

#### PHASE II – Scoping process (May to August 2013)

Notify other regulatory authorities and IAPs of project and environmental assessment (via social scan, newspaper advertisements, site notices and this document)  
Scoping information-sharing meeting(s) with regulatory authorities (if required) and IAPs  
Compile scoping report and submit to DMR, IAPs and other authorities for review  
Public review of scoping report (40 days)  
Submit scoping report including IAP comments to DENC and DEA. Forward IAP comments to DMR

#### PHASE III – EIA and EMP (June 2013 to April 2014)

Complete specialist studies  
Compile EIA and EMP report and submit to DMR, IAPs and other authorities for review  
Compile water use license application and submit to the department of water affairs  
Compile air emission license application and submit to DENC  
Public review of EIA and EMP report (40 days)  
Submit EIA and EMP report including IAP comments to DENC and DEA. Forward IAP comments to DMR  
Circulate environmental authorisation decisions to IAPs registered on the project database and advertise in newspapers.

### PARTIES INVOLVED IN THE ENVIRONMENTAL ASSESSMENT PROCESS

#### IAPs

- \* Surrounding landowners, land users and communities
- \* Surrounding mines and industries
- \* Non-governmental organisations and associations

#### REGULATORY AUTHORITIES

- \* National Department of Environment Affairs (DEA)
- \* Northern Cape Department of Water Affairs (DWA)
- \* Department of Environment and Nature Conservation (DENC)
- \* Department of Mineral Resources (DMR)
- \* South Africa Heritage Resource Agency (SAHRA)
- \* Department of Agriculture, Land Reform and Rural Development (DALRRD)
- \* Northern Cape Department of Roads and Public Works (DRPW)

#### LOCAL AUTHORITIES

- \* Joe Morolong Local Municipalities
- \* John Taolo Gaetsewe District Municipality

Please let us know if there are any additional parties that should be involved.

**TSHIPI É NTLÉ MANGANESE MINING  
PROPOSED TSHIPI BORWA MINE EMP AMENDMENT  
BACKGROUND INFORMATION DOCUMENT  
REGISTRATION AND RESPONSE FORM FOR INTERESTED AND AFFECTED PARTIES**

|   |  |                             |  |
|---|--|-----------------------------|--|
| <b>DATE</b>   |  | <b>TIME</b>                 |  |
| <b>PARTICULARS OF THE INTERESTED AND AFFECTED PARTY</b> |  |                             |  |
| <b>NAME</b>   |  |                             |  |
| <b>POSTAL ADDRESS</b>                                   |  |                             |  |
|   |  |                             |  |
|   |  | <b>POSTAL CODE</b>          |  |
| <b>STREET ADDRESS</b>                                   |  |                             |  |
|   |  |                             |  |
|   |  | <b>POSTAL CODE</b>          |  |
| <b>WORK/ DAY TELEPHONE NUMBER</b>                       |  | <b>WORK/ DAY FAX NUMBER</b> |  |
| <b>CELL PHONE NUMBER</b>                                |  | <b>E-MAIL ADDRESS</b>       |  |

**PLEASE IDENTIFY YOUR INTEREST IN THE PROPOSED PROJECT**

**PLEASE WRITE YOUR COMMENTS AND QUESTIONS HERE**

**Please return completed forms to:**

**Natasha Daly and/or Caitlin Pringle**

**SLR Consulting (Africa) (Pty) Ltd**

**(011) 467 0945 (Tel) and/or( 011) 467 0978 (Fax)**

**[ndaly@slrconsulting.com](mailto:ndaly@slrconsulting.com) or [cpringle@slrconsulting.com](mailto:cpringle@slrconsulting.com)**



# TSHIPI É NTLÉ MANGANESE MINING

## VOORGESTELDE OBP-WYSIGING VIR TSHIPI BORWA-MYN AGTERGROND-INLIGTINGSDOKUMENT

JULIE 2013

### INLEIDING

Tshipi é Ntle Manganese Mining (Tshipi) [voorheen bekend as Ntsimbintle Mining (Edms) Bpk] bedryf tans die ontwikkelende Tshipi Borwa-myn geleë op die plase Mamatwan 331 en Moab 700, suid van Hotazel in die John Taolo Gaetsewe-distriksmunisipaliteit (voorheen bekend as die Kgalagadi-distriksmunisipaliteit) in die Noord-Kaapse Provinsie. Die ligging van die projek word in Figuur 1 geïllustreer.

Die myn beskik tans oor 'n goedkeuring (NC/30/5/1/2/2/0206MR) van die Departement van Minerale en Energie (tans bekend as die Departement van Minerale-hulpbronne) en 'n goedkeuring (NC/KGA/KATHU/37/2008) uitgereik deur die Departement van Toerisme, Omgewing en Bewaring (tans bekend as die Departement van Omgewing- en Natuurbewaring).

Tshipi beoog om die goedgekeurde Omgewings-invloedevaluering (OIE) en Omgewingsbestuurs-program (OBP) te wysig om voorsiening te maak vir die veranderinge aan sy goedgekeurde infrastruktuur-uitleg wat reeds plaasgevind het, asook voorgestelde veranderinge. Veranderinge wat reeds by die Tshipi Borwa-myn plaasgevind het sluit die volgende in:

- verplasing van die twee afvalrotshope;
- verplasing van die kantoore, aanleg, werkwinkels en verwante infrastruktuur;
- veranderinge van die ontwerp en kapasiteite van die goedgekeurde stormwaterdamme; en
- verandering in die ontwerp van die spoorweg-sylyn.

Voorgestelde veranderinge aan die goedgekeurde infrastruktuur-uitleg sluit die volgende in:

- daarstelling van 'n bykomende stormwaterdam;
- verplasing van die laegraadse en fyngruushope;
- uitbreiding van die rioolbehandelingsaanleg;
- uitbreiding van die diesel-bewaringsfasiliteit;
- ontwikkeling van 'n gemeenskaplike mynbou- en afvalrotshooparea op die grens met die Mamatwan-myn; en
- gebruik van uitskotmateriaal om die oop put terug te vul.

### DOEL VAN HIERDIE DOKUMENT

Hierdie dokument is deur SLR voorberei om u in te lig omtrent:

- \* die voorgestelde projek en die basislyn-omgewing;
- \* die omgewingsevalueringproses wat gevolg gaan word;
- \* moontlike omgewingsinvloede; en
- \* hoe u as 'n BGP insette vir die omgewingsevalueringproses kan lewer.

SLR Consulting (Afrika) (Edms) Bpk

### OMGEWINGSMAGTIGINGSPROSES

Voordat die voorgestelde projek begin kan word, word 'n omgewingsevaluering vereis, insluitend 'n aansoekfase, trefwydtefase en 'n OIE- en OBP-fase. Die evaluering sal ingevolge die "Mineral and Petroleum Resources Development Act", 28 van 2002, en die Nasionale Omgewingsbestuurswet (NEMA), 107 van 1998 uitgevoer word. Albei wette is van toepassing omdat die voorgestelde projek by 'n myn sal wees en omdat dit 'n aantal gelyste/geïdentifiseerde aktiwiteite onder NEMA-regulasies R544 en R545 insluit. Hierbenewens sal party van die komponente van die projek ook magtiging ingevolge die Nasionale Waterwet, 36 van 1998, die Nasionale Omgewings-bestuur: Afvalwet 59 van 2008 en die Nasionale Omgewingsbestuur: Luggehaltewet van 2004 vereis.

SLR Consulting (Afrika) (Edms) Bpk (SLR), 'n onafhanklike firma van omgewingskonsultante, is deur Tshipi aangestel om die omgewingsevalueringproses te hanteer.

### U ROL

U is geïdentifiseer as 'n belanghebbende en/of geaffekteerde party (BGP) wat dalk ingelig wil word oor die voorgestelde projek en 'n bydrae wil lewer aan die omgewingsevalueringproses en -verslae. U sal die geleentheid gegun word om insette tydens openbare vergaderings te lewer, en om die volgende verslae te sien te kry en kommentaar daarop te lewer:

- \* Trefwydteverslag
- \* OIE/OBP-wysigingsverslag

Alle kommentaar sal opgeteken word en ingesluit word by die aansoek aan die tersaaklike departemente vir besluitneming.

### HOE OM TE REAGEER

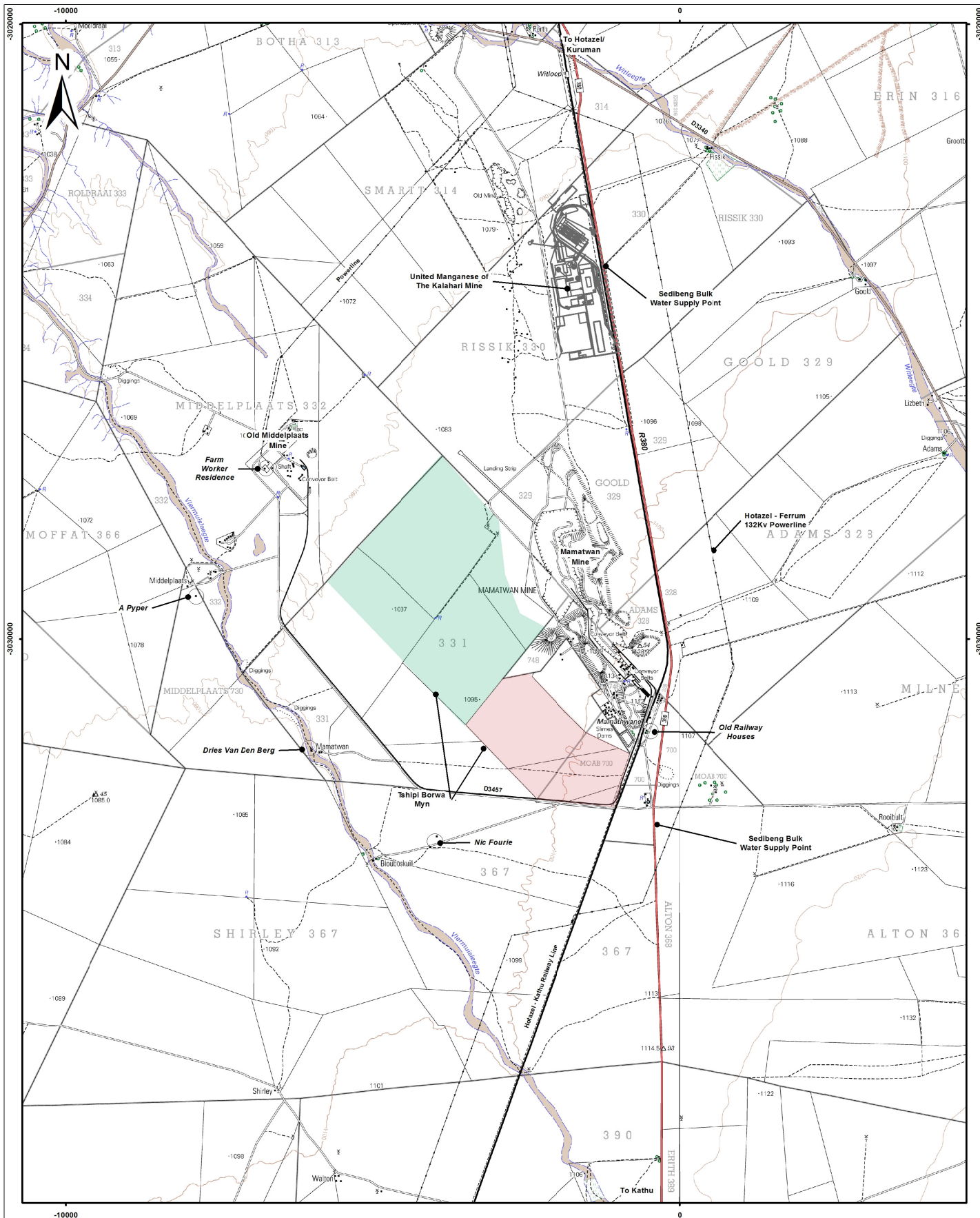
Reaksies op hierdie dokument kan ingedien word deur middel van die aangehegte kommentaarblad en/of deur kommunikasie met die onderstaande persoon.

### WIE OM TE SKAKEL

Natasha Daly en/of Caitlin Pringle by  
(011) 467 0945 (Tel) of  
(011) 467 0978 (Faks) of  
[ndaly@slrconsulting.com](mailto:ndaly@slrconsulting.com) or  
[cpringle@slrconsulting.com](mailto:cpringle@slrconsulting.com)

DMR-verwysnommer: (NC/30/5/1/2/2/0206MR )  
DENC-verwysnommer: (NC/EIA/08/JTG/GAM/TSH  
1/2013 / NCP/EIA/0000229/2013),  
DEA (12/9/11/L1259/8)

Maak asseblief seker dat alle verwysnommers op alle korrespondensie aangedui word.



**Legend**

- Mynreg en oppervlak gebruik area
- Oppervlak gebruik area

TSHIPI

**Figuur 1**  
**Landkaart van Ligging**



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0 1 000 2 000 Meters

Scale: 1:60 000 @ A3  
Projection: Transverse Mercator  
Datum: WGS1984, Lo23

710.20008.00008

Mei 2013



Tshipi beoog om sy goedgekeurde infrastruktuur-uitleg te wysig om voorsiening te maak vir die veranderings wat reeds plaasgevind het. Verdere besonderhede word hieronder voorsien. Verwys na Figuur 2 vir die goedgekeurde infrastruktuur-uitleg en Figuur 3 vir die voorgestelde infrastruktuur-uitleg. Veranderings wat reeds plaasgevind het, val binne die bestaande mynbouregte en oppervlakgebruiksarea.

#### Verplasing van die twee afvalrotshope

As deel van die goedgekeurde OIE en OBP, is twee afvalrotshope met 'n totale area van ongeveer 215 ha en 'n volume van 91.5 miljoen m<sup>3</sup> (Figuur 2) beplan. Hierdie afvalrotshope is verplaas en beslaan 'n totale area van 71 ha en 'n totale volume van 28 miljoen m<sup>3</sup>. Die huidige posisie van die afvalrotshoop word in Figuur 3 geïllustreer.

#### Verplasing van die kantore, aanleg, werkswinkels en verwante infrastruktuur

Tshipi het sy kantore, aanleg, werkswinkel en verwante infrastruktuur verskuif. Verwys na Figuur 2 vir die posisie van die kantore, aanleg, werkswinkels en verwante infrastruktuur soos per die goedgekeurde OIE en OBP. Verwys na Figuur 3 vir die posisie van die verplaasde kantore, aanleg, werkswinkel en verwante infrastruktuur

#### Veranderings van die ontwerp en kapasiteite van die goedgekeurde stormwaterdamme

Die goedgekeurde OIE en OBP maak voorsiening vir die daarstelling van die volgende stormwaterdamme:

- 'n 10MI-stormwaterdam vir die versameling van vuil water vanaf die bedryfsareas (mynwerkswinkel en primêre vergruiserarea);
- 'n 8MI-stormwaterdam vir die versameling van vuil water vanaf rondom die aanlegarea; en
- 'n 6.3MI-afsakkingsdam wat vuil water sou ontvang van die put-ontwatering en die verskeie stormwaterdamme wat hierbo beskryf word (Figuur 2).

Hierdie stormwaterdamme is gekombineer om een 24.3MI-stormwaterdam (Figuur 3) te vorm, wat bestaan uit etlike kompartemente. Die stormwaterdam is met 'n HDPE-voering gevoer.

#### Verandering in die ontwerp van die spoorweg-sylyn

As deel van die goedgekeurde OIE en OBP sou 'n spoorweg-sylyn langs die R380 (Figuur 2) daargestel word. Die sylyn sou 'n lus insluit wat die behoefte aan rangering uit die weg ruim en die vervoer van produk en sekere inkomende materiaal by wyse van treine moontlik maak. Die ontwerp van die spoorweg-sylyn is verander en die spoorweg-sylyn is verleng (Figuur 3).

Tshipi beoog om sy goedgekeurde infrastruktuur-uitleg te wysig om voorsiening te maak vir voorgestelde veranderings van die infrastruktuur. Verdere besonderhede word hieronder voorsien. Verwys na Figuur 2 vir die goedgekeurde infrastruktuur-uitleg en Figuur 3 vir die voorgestelde infrastruktuur-uitleg.

#### Daarstelling van 'n bykomende stormwaterdam

Tshipi beoog om 'n addisionele stormwaterdam naby die kontrakte-area daar te stel om die vuil afloop-water van die kontrakteur se perseel te versamel (Figuur 3). Die stormwaterdam is ontwerp vir 'n kapasiteit van 4MI en sal met HDPE-voering gevoer word.

#### Verplasing van die laegraadse hope

Die goedgekeurde OIE en OBP maak voorsiening vir twee laegraadse hope (Figuur 2). Tshipi beoog om een laegraadse hoop te vestig. Verwys na Figuur 3 vir die voorgestelde posisie van die hervestigde laegraadse hoop.

#### Verplasing van die fyngruishope

Tshipi beoog om die posisie van die goedgekeurde fyngruishoop (Figuur 2) te verander. Verwys na Figuur 3 vir die voorgestelde posisie van die fyngruishoop

#### Uitbreiding en ontwerpverandering van die rioolbehandelingsaanleg

Die goedgekeurde OIE en OBP maak voorsiening vir 'n anaërobie se verteerder-rioolaanleg vir die behandeling van 60m<sup>3</sup> riool per dag. Daar word voorgestel dat die ontwerp van die rioolbehandelingsaanleg verander word na 'n slyk-geaktiveerde stelsel en Tshipi beoog om hierdie aanleg uit te brei vir die behandeling van 96m<sup>3</sup> van riool per dag. Die posisie word ook as 'n verandering voorgestel (Verwys na Figure 2 en 3).

#### Uitbreiding van die diesel-bewaringsfasiliteit

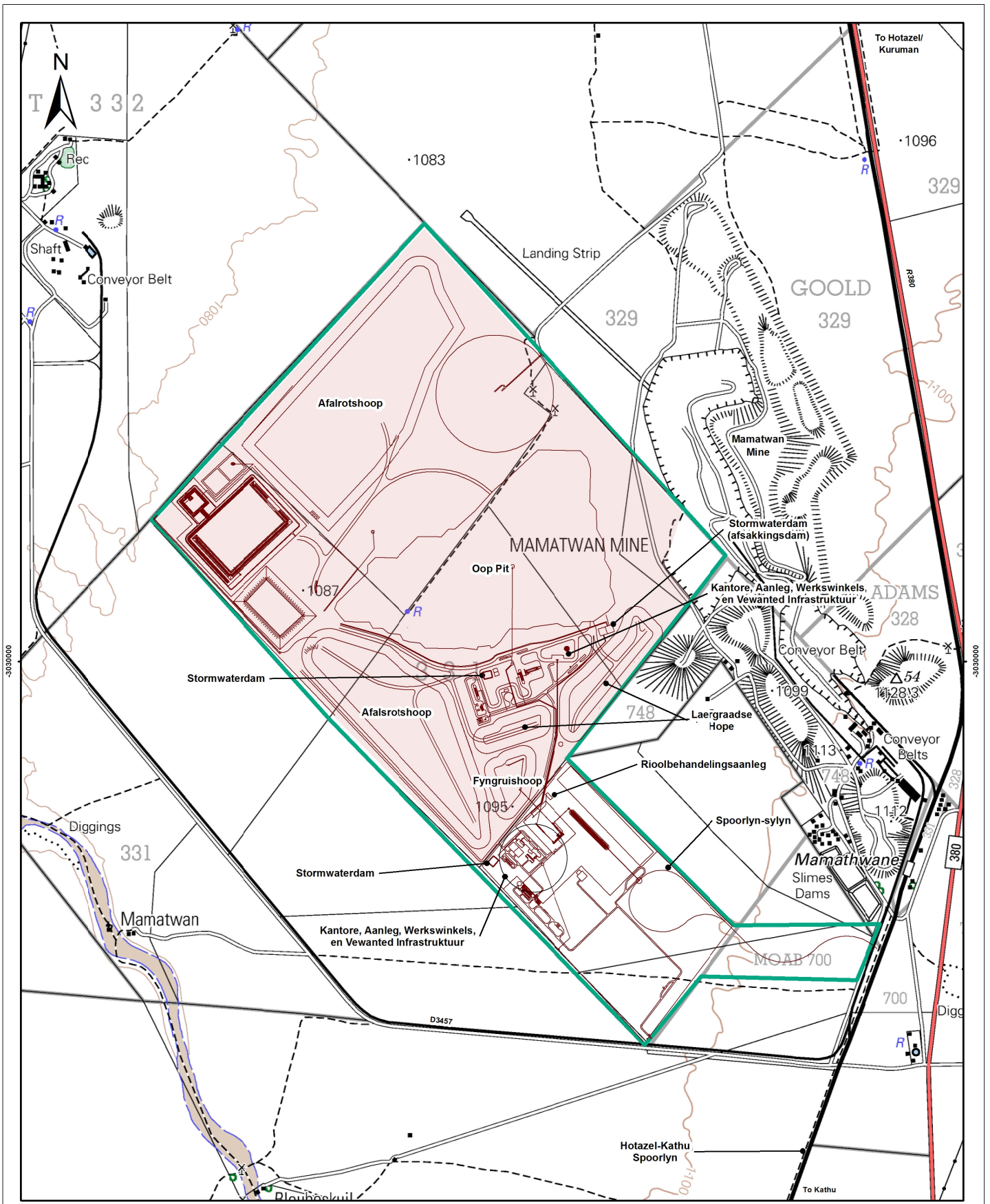
Tshipi het tans goedkeuring vir die bewaring van 500m<sup>3</sup> diesel op die perseel. Tshipi beoog om sy huidige diesel-bewaringskapasiteit met 'n addisionele 500m<sup>3</sup> te vergroot.

#### Ontwikkeling van 'n gesamentlike mynbou-onderneming

Tshipi beoog om 'n gesamentlike myn- en afvalrotsstortingsgebied op die grens met die Mamatwan-myn te ontwikkel. Die voorgestelde gesamentlike ontwikkelingsarea met Mamatwan word in Figuur 3 aangetoon.

#### Gebruik van uitskotmateriaal om die oop put terug te vul

Tshipi beoog om 'n kombinasie van grus, sand, uitskotmateriaal en afvalrots (hoofsaaklik kalkkreet) te gebruik om die oop put terug te vul.



- Legend**
- Goedgekeurde Infrastruktuur
  - Goedgekeurde Mynreg Area
  - Oppervlak Gebruiks Area

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**Figuur 2**

**Goedgekeurde Infrastruktuur-Uitleg**



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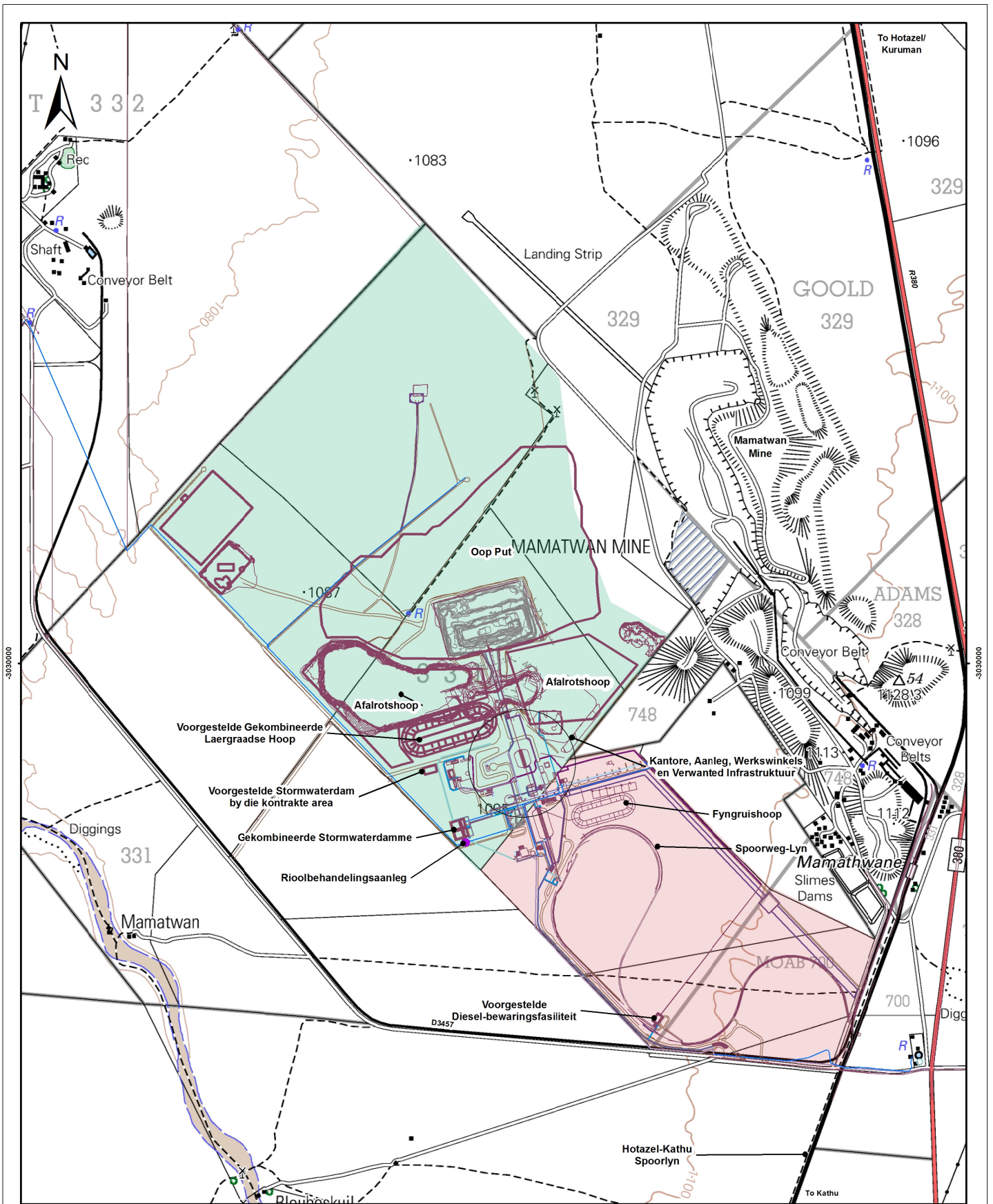
0 500 1 000 Meters

Scale: 1:25 000 @ A3

Projection: Transverse Mercator

Datum: WGS1984, Lo23





**Legend**

- Infrastruktuur
- Mynreg en Oppervlak Gebruiks Area
- Oppervlak Gebruiks Area
- ▨ Voorgestelde Gesamentlike Ontwikkelingsarea

TSHIPI

**Figuur 3**  
**Voorgestelde Infrastruktuur Uitleg**



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0 500 1 000 Meters

Scale: 1:25 000 @ A3  
 Projection: Transverse Mercator  
 Datum: WGS1984, Lo23

710.20008.00008

Junie 2013

## STATUS VAN DIE BESTAANDE OMGEWING

Hierdie afdeling verskaf 'n basiese beskrywing van die bestaande status van die omgewing.

**Geologie:** Die myn is geleë in die Kalahari-kom, 'n mangaan-hotazel-ysterformasie binne die Kalahari-mangaanveld. Die Kalahari-basis is ongeveer 56 km waarvan die breedte wissel tussen 5 en 20 km. Geen noemenswaardige foute, frakture of ander trekke kom op die perseel voor nie.

**Klimaat:** Die myn is geleë in die noordelike vlakteland-klimatiese sone, 'n semi-droogtestreek wat deur seisoenale reënval (Oktober tot April), warm temperature in die somer, en koue temperature in die in die winter gekenmerk word. Gemiddelde jaarlikse reënval wissel van 386 mm tot 455 mm met reënval gewoonlik in die vorm van donderstorms. Die heersende windrigting is vanuit die suidooste met 'n hoë voorkoms van sterk wind ook vanuit die noorde en noordweste.

**Topografie:** Die myn is geleë in 'n relatief plat area met 'n sagte helling na die noordweste. Die hoogte op die perseel wissel van 1087 m tot 1107 m bokant gemiddelde seevlak (mamsl).

**Grondsoorte en grondvermoë:** Grondtipes by die myn is homogeen wat betref tekstuur, struktuur, en gronddiepte. Grondtipes bestaan uit diep (>1.5m) windgeblaaste sand van die Hutton-grondsoort. Grondsoorte by die myn het 'n lae bewerkings-potensiaal weens die hoë infiltrasiekoerse verbode aan sanderige grondsoorte.

**Grondgebruik:** Grondgebruik om die myn sluit 'n kombinasie van weiende lewende hawe, wildboerdery, mynbou, spoorweg en yl verspreide wonings in.

**Dierelewe:** Voëlspesies wat waarskynlik om die myn voorkom, is onder meer die Noordelike Swart Korhaan, die Langbeklewerik, die Grysneushoringvoël, Spekvreter-vlieëvanger en Hoëveldklappertjie. Soog-diere wat waarskynlik by die myn voorkom, is onder meer Steenbok, Duiker, Meerkat, Witstert-muishond, Molrot, en grond-eekhorings. Die bevolking van dierelewe is oor die algemeen versteur weens die bestaande Tshipi Borwa-mynboubedrywighede en bedrywighede voor mynbou, soos boerdery, prospek-teerwerk en omliggende mynboubedrywighede. Rooi lys data spesies wat geneig om te voorkom op die myn sluit in die Oosterse Eagle, Ludwigs Busted, Sekretarisvoël, Ratel en Suid-Afrikaanse krimparkie.

**Plantelewe:** Die Tshipi Borwa-myn val binne die Kathu Bosveld en bestaan uit drie tipes habitat/plantegroei. Hierdie tipes habitat/ plantegroei sluit in die *Acacia haematoxylon*-grasvlakke, Gemengde *Acacia*-grasvlakke en *Grevia*-bossies. Die *Acacia haematoxylon*-grasvlakke en Gemengde *Acacia*-grasvlakke kan beskou word as meer sensitiewe tipes habitat/plantegroei weens beskermde boomspeesies soos die *Acacia erioloba* (Kameeldoring) en *Acacia haematoxylon* (Gryskameel-doring) wat in hierdie tipes habitat/plantegroei voorkom. Geen Rooidata-spesies is by die myn te wagte nie.

**Oppervlaktewater:** Die myn is geleë in die Kwaternêre Opvangsgebied D41K. Die naaste watergange aan die myn is die nie-meerjarige Vlermuisleegte ( $\pm 2$ km suidwes), die nie-meerjarige Witleegte ( $\pm 10$ km noordoos), en die nie-meerjarige Ga-Mogara ( $\pm 6$  km wes). Oppervlaktewater in die area mag as drinkwater vir lewende hawe en beperkte huishoudelike doeleindes gebruik word. Geen betroubare watergebruik is egter moontlik van enige van die watergange nie (Gamogara-, Witleegte-, Vlermuis-leegteriviere) weens die nie-meerjarige aard daarvan en verwante seisoenale riviervloei. Geen vleilande kom op die mynperseel voor nie.

**Grondwater:** Daar is twee waterdraers onder die myn, naamlik 'n vlak waterdraer bestaande uit Kalahari-sande en kalkkreet en 'n dieper gefraktureerde waterdraer bestaande uit Dwyka-klei en Moodraai-dolomietformasie. Die gemiddelde grondwatervlak by die myn wissel van 20 m tot 45 m onder grondvlak. Grondwater vloei in 'n wes-noordelike rigting. Die natuurlike watergehalte in die area wissel van marginale gehalte tot baie swak watergehalte. Die meerderheid grondwater-boorgate in die area word gebruik om drink water vir beeste te voorsien en water vir huishoudelike gebruik in party gevalle.

**Luggehalte:** Afgesien van die huidige Tshipi Borwa-mynboubedrywighede, het verskeie aktiwiteite in die area die potensiaal om tot die uitlating van besoedelingstowwe by te dra. Hierdie besoedeling-stowwe is onder meer los vlieënde stof van veldbrande, wind-erosie van oop areas, stof afkomstig van landboubedrywighede, voertuig-uitlatings, mynbou-uitlatings, verbranding van huishoudelike brandstowwe en spoorweg-verwante verbranding.

**Geraas:** Die groter area is oor die algemeen gedefinieer deur plattelandse kenmerke en is nie onderworpe aan verhewe geraasvlakke nie. Bestaande geraas in die projekgebied word hoofsaaklik veroorsaak deur omliggende boerdery-aktiwiteite, plaaslike verkeer, treinbewegings, en mynboubedrywighede. Vorige (voor mynbou) gemete heersende geraasvlakke varieer tussen 39 dBA gedurende die dag en 33 dBA gedurende die nag.

**Visueel:** Die Tshipi Borwa-myn is geleë in die plat oop pleine van die Kalahari. Die perseel is plattelands van aard in die sin dat dit yl bevolk is met plaasopstalle versprei dwarsdeur die gebied. Die bestaande mynboubedrywighede en konstruksie-aktiwiteite het reeds die sin van plek en die natuurlike visuele karakter van die area aangetas.

**Erfenis/Kulturele en paleontologiese hulpbronne:** Geen noemenswaardige erfenis- of kulturele materiaal word by die Tshipi Borwa-myn teëgekomp nie.

**Sosio-ekonomies:** Geïsoleerde plaasopstalle en plaaswerkerwoning is die naaste nedersettings aan die myn en is binne 'n omtrek van 2km geleë. Die opvoedingsvlakke in die area is relatief laag. Daar is 'n hoë vlak van werkloosheid met 'n afhanklikheid op selfversorgende boerdery, die publieke sektor, seisoenale werkers en werksaamheid in die mynboubedryf. Watervoorsiening en sanitasie bly 'n uitdaging, meestal in die landelike areas. Daar is 'n toename in die aantal huishoudings in die area wat met elektrisiteit as 'n bron van krag voorsien word. Mynbou en staatsdienste is die hoofsaaklike ekonomiese sektore.



## POTENSIËLE OMGEWINGSINVLOEDE

Die volgende voorlopige lys van potensiële invloede is geïdentifiseer en sal as deel van die omgewings-evalueringsproses ondersoek word.

Verlies en sterilisasie van minerale-hulpbronne – Die plasing van infrastruktuur in die nabyheid van 'n mynbare hulpbron, asook die wegdoening van minerale-hulpbronne as terugvul in die oop put het die potensiaal om 'n verlies en sterilisasie van minerale-hulpbronne tot gevolg te hê.

Veiligheid – Die voorgestelde projek het die potensiaal om die topografie te verander, en huidige infrastruktuur en uitgrawings mag 'n potensiële veiligheidsrisiko vir beide mense en diere inhou.

Grond en grondvermoë - Die plasing van infrastruktuur en mynboubedrywighede het die potensiaal om grondhulpbronne aan te tas deur fisiese versteuring (erosie en verdigting) en/of besoedeling. Verlies van grondhulpbronne het 'n regstreekse invloed op die natuurlike vermoë van die grond.

Biodiversiteit – Die plasing van infrastruktuur en mynboubedrywighede het die potensiaal om plantegroei, habitateenhede en verwante ekostelsel- funksionaliteit te versteur en/of te vernietig, insluitend die versteuring van beskermde spesies.

Oppervlakwater – Die voorgestelde projek het die potensiaal om die oppervlak-drieneringspatrone te verander deur die plasing van infrastruktuur en om oppervlakwaterbronne te besoedel weens die aard van mynboubedrywighede.

Grondwater – Die voorgestelde projek het die potensiaal om grondwaterbronne te besoedel, wat 'n invloed kan hê op beskikbaarheid aan ander grond-watergebruikers.

Lug – Die voorgestelde projek het die potensiaal om addisionele lugbesoedeling by te dra.

Geraas – The voorgestelde projek het die potensiaal om geraasbesoedeling deur die aanwesigheid van mynbou-infrastruktuur en mynboubedrywighede te veroorsaak.

Visueel – Die plasing van infrastruktuur en mynboubedrywighede het die potensiaal om visuele invloede as gevolg van topografiese veranderings mee te bring.

Erfenis-hulpbronne – The voorgestelde projek het die potensiaal om erfenis-hulpbronne te beskadig indien enige ontdekkings aan die lig sou kom.

Grondgebruik – Die voorgestelde projek het die potensiaal om 'n invloed op omliggende grondgebruik soos weiding van lewende hawe, wildboerdery en dunverspreide wonings te hê.

Sosio-ekonomies – Die voorgestelde projek het die potensiaal om 'n bydrae te lewer aan positiewe en negatiewe sosio-ekonomiese invloede. Positiewe invloede is onder meer werkskepping en die stimulering van plaaslike en streekse ekonomie. Negatiewe sosio-ekonomiese invloede is moontlik soos die invloed van werksoekers wat met sosiale patologieë gepaard kan gaan.

## OMGEWINGSMAGTIGINGSPROSES

Die omgewingsproses voorsien inligting omtrent die projek en die omgewing waarin dit onderneem word; identifiseer, in konsultasie met belanghebbende en/of geaffekteerde partye (BGP's), die potensiële negatiewe en positiewe invloede van die projek; en doen verslag oor bestuursmaatreëls wat vereis word om invloede tot 'n aanvaarbare vlak te versag. Die waarskynlike stappe en tydsberamings word hieronder weergegee. BGP's en ander belanghebbendes wat op die projek se databasis geregistreer is, sal vooraf kennisgewing ontvang van vergaderings waar inligting gedeel sal word en van verslag-oorsigtydperke.

| STAPPE IN DIE MAGTIGINGSPROSES   |
|--|
| <b>FASE I – Aansoekfase (Mei tot Junie 2013)</b><br>Indiening van aansoeke by DENC en DEA.<br>Kennisgewing aan DMR van Tshipi se voorneme om die goedgekeurde OBP te wysig   |
| <b>FASE II – Trefwydteproses (Mei tot Augustus 2013)</b><br>Kennisgewing aan ander regulerende owerhede en BGP's van projek en omgewingsevaluering (via sosiale skandering, koerantadvertensies, kennisgewings op die perseel en hierdie dokument)<br>Trefwydte-, inligtingdelingsvergadering(s) met regulerende owerhede (indien vereis en) en BGP's<br>Samestelling van trefwydteverslag en voorlegging aan DMR, BGP's en ander owerhede ter insae.<br>Openbare oorsig van trefwydteverslag (40 dae)<br>Voorlegging van trefwydteverslag insluitend die kommentaar van BGP's aan DENC en DEA. Stuur van BGP's se kommentaar aan DMR  |
| <b>FASE III – OIE en OBP (Junie 2013 tot April 2014)</b><br>Voltooi spesialisstudies<br>Samestelling van OIE- en OBP-verslag en voorlegging aan DMR, BGP's en ander owerhede om nagegaan te word<br>Samestelling van aansoek om watergebruikslisensie en voorlegging aan die Departement van Watersake<br>Samestelling van aansoek om luguitlatingslisensie en voorlegging aan DENC<br>Openbare oorsig van OIE- en OBP-verslag (40 dae)<br>Voorlegging van OIE- en OBP-verslag, insluitend BGP's se kommentaar aan DENC en DEA. Stuur van BGP's se kommentaar aan DMR<br>Verspreiding van omgewingsmagtigingsbesluite aan BGP's geregistreer op die projek se databasis en adverteer in koerante |

### PARTYE BETROKKE BY DIE OMGEWINGS-EVALUERINGSPROSES

#### BGP's

- \* Omliggende grondeienaars, grondgebruikers en gemeenskappe
- \* Omliggende myne en industrieë
- \* Nie-regeringsorganisasies en verenigings

#### REGULERENDE OWERHEDE

- \* Nasionale Departement van Omgewingsake (DEA)
- \* Noord-Kaapse Departement van Watersake (DWA)
- \* Departement van Omgewing- en Natuurbewaring (DENC)
- \* Departement van Minerale-hulpbronne (DMR)
- \* Suid-Afrikaanse Erfenis-hulpbrongagentskap (SAHRA)
- \* Departement van Landbou, Grondhervorming en Plattelandse Ontwikkeling (DALRRD)
- \* Noord-Kaapse Departement van Paaie en Openbare Werke (DRPW)

#### PLAASLIKE OWERHEDE

- \* Joe Morolong se Plaaslike Munisipaliteit
- \* John Taolo Gaetsewe se Distriksmunisipaliteit

Laat ons asseblief wees as daar enige addisionele partye is wat betrek moet word.

**TSHIPI É NTLÉ MANGANESE MINING  
VOORGESTELDE OBP-WYSIGING VIR DIE TSHIPI BORWA-LYN  
AGTERGROND-INLIGTINGSDOKUMENT  
REGISTRASIE-EN-REAKSIEVORM VIR BELANGHEBBENDE EN GEAFFEKTEERDE PARTYE**

|   |  |                                 |  |
|---|--|---------------------------------|--|
| <b>DATUM</b>  |  | <b>TYD</b>                      |  |
| <b>BESONDERHEDE VAN BELANGHEBBENDE EN GEAFFEKTEERDE PARTY</b> |  |                                 |  |
| <b>NAAM</b>   |  |                                 |  |
| <b>POSADRES</b>   |  |                                 |  |
|   |  |                                 |  |
|   |  | <b>POSKODE</b>                  |  |
| <b>STRAATADRES</b>  |  |                                 |  |
|   |  |                                 |  |
|   |  | <b>POSKODE</b>                  |  |
| <b>WERK / TELEFOON-NOMMER BEDAGS</b>                          |  | <b>WERK / FAKSNOMMER BEDAGS</b> |  |
| <b>SELFOONNOMMER</b>  |  | <b>E-MAIL ADDRESS</b>           |  |

**IDENTIFISEER ASSEBLIEF U BELANG IN DIE VOORGESTELDE PROJEK.**

**SKRYF ASSEBLIEF U KOMMENTAAR EN VRAE HIER NEER.**

**Stuur asseblief voltooide vorms terug aan:**

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