



mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA

NAME OF APPLICANT: FELICITY CECILIA LINKS

PROSPECTING WORK PROGRAMME

**SUBMITTED FOR A PROSPECTING
RIGHT APPLICATION WITH BULK
SAMPLING**

**AS REQUIRED IN TERMS OF SECTION 16 READ TOGETHER
WITH REGULATION 7(1) OF THE MINERAL AND PETROLEUM
RESOURCES DEVELOPMENT ACT (ACT 28 of 2002)**

FCL

STANDARD DIRECTIVE

All applicants for mining rights are herewith, in terms of the provisions of Section 16 and in terms of Regulation 7(1) of the Mineral and Petroleum Resources Development Act, directed to submit a Prospecting Work Programme, strictly under the following headings and in the following format together with the application for a prospecting right.

1. REGULATION 7.1.(a): FULL PARTICULARS OF THE APPLICANT

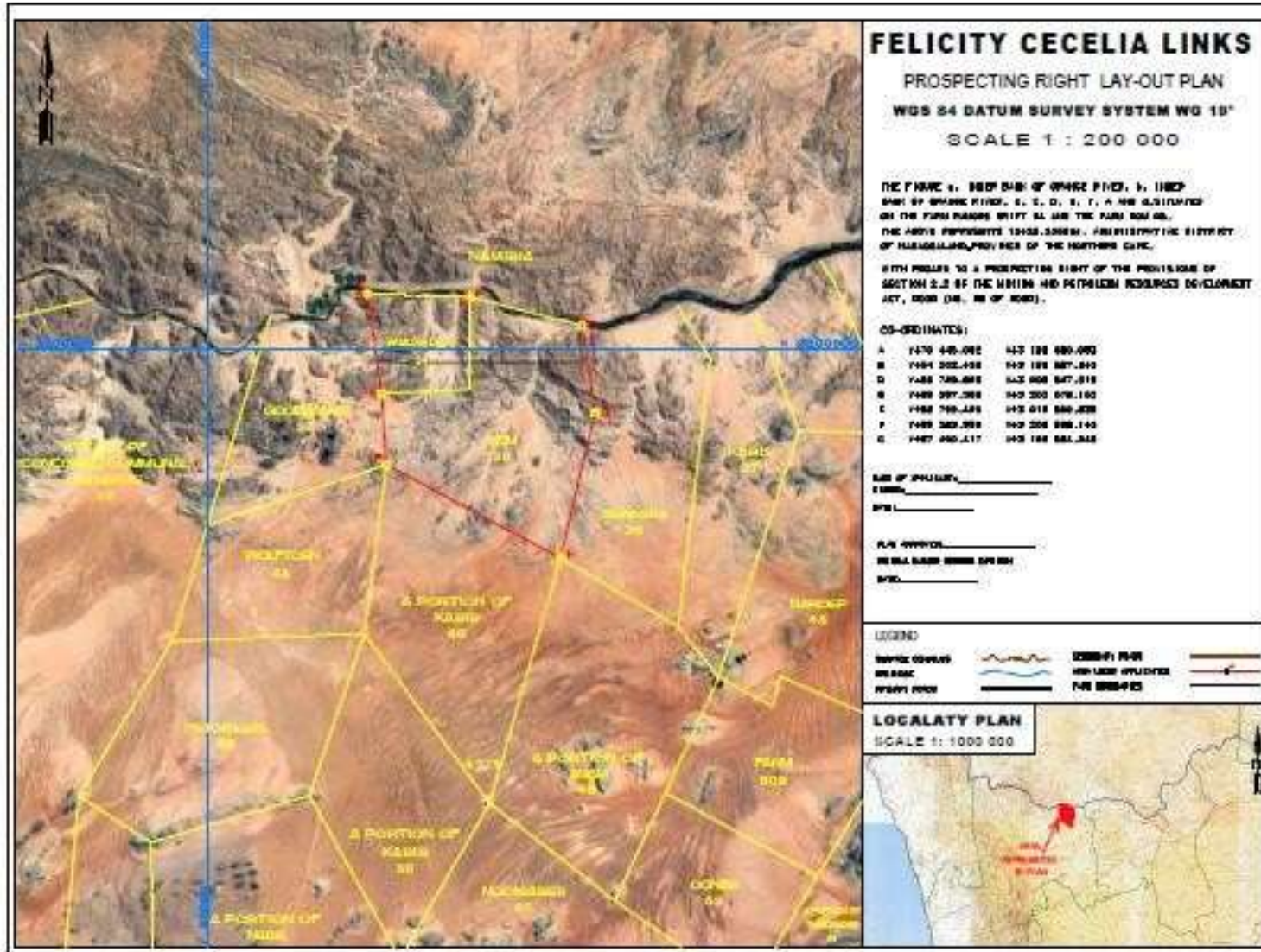
Table 1: Applicant's Contact Details

Project applicant:	Felicity Cecelia Links		
Registration no (if any):	ID 6701190464088		
Trading name (if any):	N/A		
Responsible Person, (e.g. Director, CEO, etc).:	Applicant		
Contact person:	Felicity Cecelia Links		
Physical address:	7 Pienaar Street, Newpark, Kimberley, 8300		
Postal address:	7 Pienaar Street, Newpark, Kimberley, 8300		
Postal code:	8300	Cell:	0844487008
Telephone:	0844487008	Fax:	flinks3@gmail.com
E-mail:	flinks3@gmail.com		

Table 2: Consultant's Details

ITEM	CONSULTANT CONTACT DETAILS (If applicable)
Name	Malcolm Goliath
Tel no	0824523693
Fax no:	goliathmalcolm@yahoo.com
Cellular no	0824523693
E-mail address	goliathmalcolm@yahoo.com
Postal address	23 Goedehoop Avenue Royldene Kimberley 8301

2. REGULATION 7(1)(b): PLAN CONTEMPLATED IN REGULATION 2(2) SHOWING THE LAND TO WHICH THE APPLICATION RELATES



3. REGULATION 7(1)(c): THE REGISTERED DESCRIPTION OF THE LAND TO WHICH THE APPLICATION RELATES

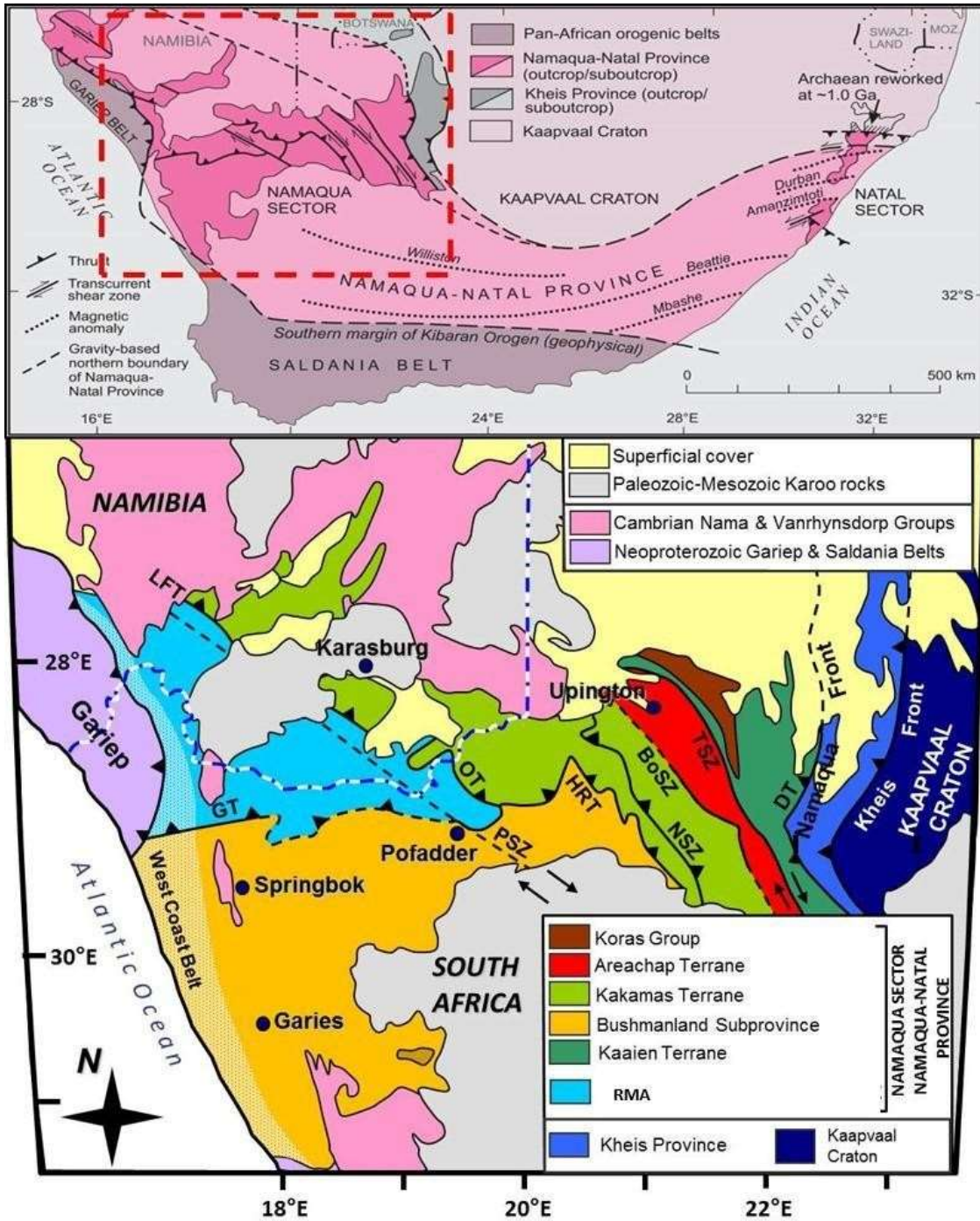
Farm Name:	Farm Ramons Drift 24 and Hom 25	
Application area (Ha)	15426. 3360 ha	
Magisterial district:	Namaqualand	
Distance and direction from nearest town	110 km North North-East from Springbok	
Title Deed	Ramons Drift 24	Hom 25

4. REGULATION 7(1)(d) and (e): THE MINERAL OR MINERALS TO BE PROSPECTED FOR

Table 4.1: Minerals to be prospected for

ITEM	DETAIL
Type of mineral(s)	Amethyst (GAt) Aquamarine (GAq) Citrine (GCi) Diamond Alluvial (DA) Feldspar (GFs) Gemstone (GS) Opal (GOp) Quartz (GQ) Rose Quartz (GRq) Tourmaline (GTm)
Locality (Direction and distance from nearest town)	110 km North North-East from Springbok
Extent of the area required for prospecting	15426. 3360 ha
Geological formation	Goodhouse Subsuite

4.2 Description why the Geological formation substantiates the minerals to be prospected for (provide a justification as to why the geological formation supports the possibility that the minerals applied for could be found therein)



1. Geological Overview

Vioolsdrif Intrusive Suite The Vioolsdrif Intrusive Suite intrudes the Orange River Group rocks. The suite is believed to have formed in a juvenile calc-alkaline volcanic arc terrane together with the Orange River Group volcanic rocks (Reid, 1977, 1997; Cornell et al., 2006; Minnaar, 2012). The suite consists of subvolcanic rocks ranging from ultrabasic to highly acidic in composition. In the low grade greenschist facies Vioolsdrif Domain, these intrusive rocks preserved their intrusive contacts well, allowing the reconstruction of the relative timing of the different phases. The leuco-granite and quartz porphyry are the youngest, and the more mafic phases are older (Miller, 2008). Based on that, Strydom et al. (1987) were able to subdivide the intrusive suite into the Vuurdoord, Goodhouse and Ramansdrif subsuites. The Vuurdoord Subsuite is largely represented by basic members, forming the earliest members of the Vioolsdrif Intrusive Suite (Blignault, 1977). Several authors such as Gevers et al. (1937), De Villiers and Söhge (1959) and Beukes (1973) mentioned that the subsuite contained serpentinites, hornblendites and gabbroic rocks. In most places, especially in the Lower Fish River and Haib areas, the gabbroids are absent and the hornblendites and diorites are sparsely dispersed as small bodies within the Vioolsdrif Domain (Blignault, 1977). The dioritic member was further detached from the basic member by Cilliers (1989), naming it the Goabis Subsuite. The Goabis Subsuite consists of two varieties of dioritic rocks: (1) a coarse mela-diorite that is quartz free, mainly associated with hornblendite, and (2) a fine to medium, even-grained quartz diorite. The Vuurdoord Subsuite in the study area forms numerous isolated bodies of limited extent hosted within the dominant

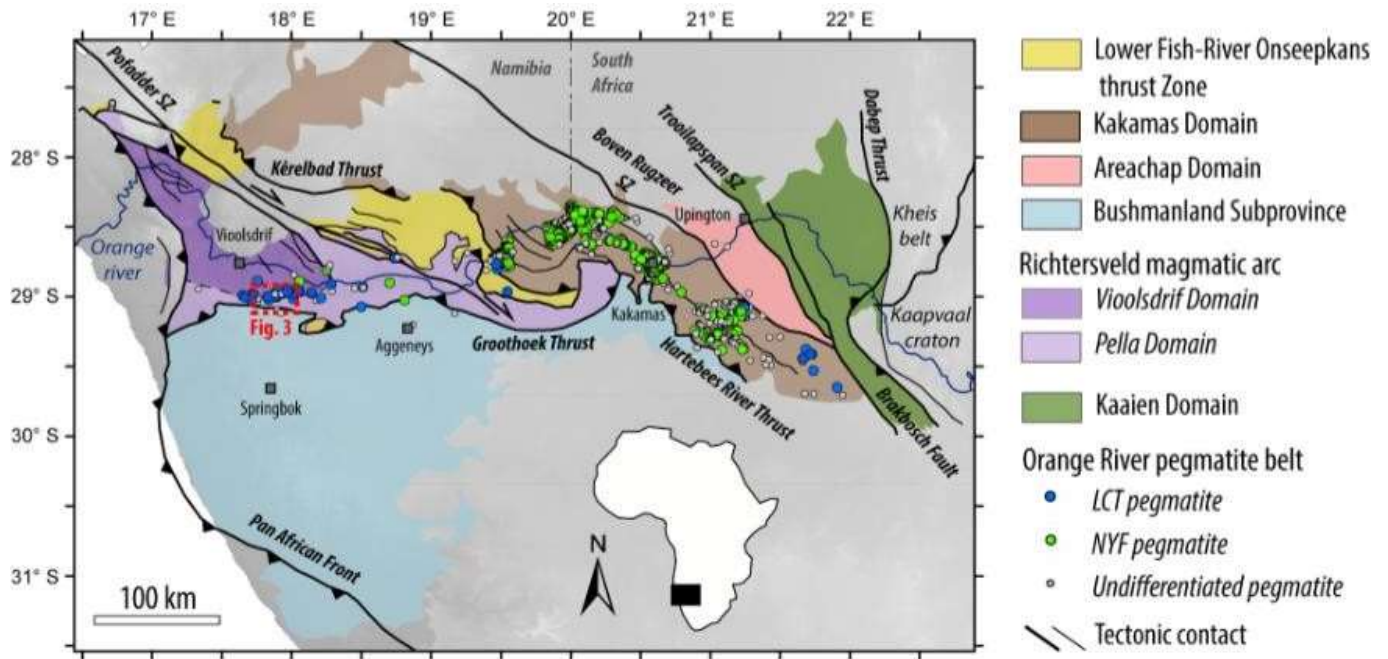
Goodhouse Subsuite. Goodhouse Subsuite (Strydom et al., 1987) consists of granodiorites and adamellite phases of the Vioolsdrif Intrusive Suite. The phases signify the biotite and hornblende granite of Gevers et al. (1937), the basement granodiorites of Coetzee (1942), the grey gneissic granite of De Villiers and Söhge (1959) and Von Backstrom and Villiers (1972), the Gn2 of Middlemost (1963), the Vioolsdrif granite of De Villiers and Burger (1967) and Mcmillan (1963) and the older mesocratic Vioolsdrif granite of Beukes (1973). Recent work (Minnaar, 2012; Macey et al., 2015) subdivided the Goodhouse Subsuite into subtypes that are mainly noticeable within the Vioolsdrif Domain. The two subtypes are (1) the Gaarseep Granodiorite and (2) the Khoromus Tonalite/Porphyry. Both subtypes were first documented by Marais et al. (2001) who named them Khoromus and Gaarseep 'gneiss'. Then, in the less deformed Vioolsdrif Domain, Minnaar et al. (2012) modified the names to 'Khoromus Tonalite' and 'Gaarseep Granodiorite', based on the average composition and deformation intensity respectively. The Khoromus Tonalite is defined by a homogeneous grey weathered surface, medium-coarse-grained porphyritic tonalitic-granodiorite, associated with dark mineral cumulates, and tabular white feldspar phenocrysts, while the Gaarseep Granodiorite is characterised as a coarse-grained equigranular and porphyritic granodiorite coupled with mafic enclaves (Macey et al., 2015). Both the Vuurdoord and Goodhouse intrusive bodies are intruded by the younger member alkaline granites of the Ramansdrif Subsuite. The Ramansdrif Subsuite, in general is dominated by medium-coarse-grained equigranular or porphyritic alkaline granites. According to Blignault (1977), the porphyritic alkaline granite variety has a limited distribution and in places is associated with copper mineralisation

Intermediate Granitoids Intrusive Subsuite (Goodhouse) Intermediate intrusive rocks volumetrically dominate the VIS. Based on field observations the intermediate intrusions were further classified into two different granodioritic units; (1) medium to coarse grained equigranular granodiorite and (2) coarse-grained porphyritic- granodiorites and tonalitic-granodiorites. The tonalitic-granodiorite only occur in the southeast of the study area within the Kromrivier farm. In the field, intrusive contacts between the two are not clear but distinctions on the map are made where possible.

Porphyritic Granodiorite The porphyritic variety is widely distributed across the study area and appears to dominate the Goodhouse Subsuite. It is medium-grey to grey when fresh but brownish–grey on weathered surfaces. On mountain sides it gives rise to rounded, bouldery blocks that appear quite homogeneous.

The porphyritic texture is defined by 2mm to 4cm K-feldspar (35%) phenocrysts within a finer-grained groundmass of biotite (30%), quartz (20%), plagioclase (15%) and k-feldspar. The porphyritic granodiorite is massive, unfoliated and locally contains sparse rounded enclaves of Orange River Group lavas, ranging from 2 cm to 1m in diameter. The porphyritic Granodiorite is composed of glassy quartz, greenish saussuritized plagioclase, sub-rounded K-feldspar, biotite and hornblende, with a colour index of about 30%. Titanite occurs as an accessory mineral, while chlorite, epidote and muscovite are the most common secondary minerals. The granodiorite on average is made of feldspar (~40%), quartz (~ 25%), biotite (~20%) and hornblende (~ 10%) ± oxides (Fig 3-7). The microscopic observations show plagioclase and k-feldspar mainly altered into sericite and chlorite aggregates. Quartz crystals occur as recrystallized aggregates of sub-grains surrounding most of the primary minerals (Fig 3-7 e & f). Again at microscope scale, the granodiorite dominated by a coarse grained porphyritic texture defined by 0.2 to 0.8 mm anhedral kfeldspar phenocrysts sitting in a medium grained matrix of mostly quartz and biotite crystals.

4.3 Attach a geological map that justifies the description why there is a possibility that the minerals applied for could occur on the land concerned.



Tectonostratigraphic map of the Namaqua Province and pegmatite occurrences after Hugo (1970) and Schutte (1972).

5. REGULATION 7(1)(f): A DESCRIPTION OF HOW THE MINERAL RESOURCE AND MINERAL DISTRIBUTION OF THE PROSPECTING AREA WILL BE DETERMINED

AND

REGULATION 7(1)(h): ALL PLANNED PROSPECTING ACTIVITIES MUST BE CONDUCTED IN PHASES AND WITHIN SPECIFIC TIMEFRAMES

AND

REGULATION 7(1)(i): TECHNICAL DATA DETAILING THE PROSPECTING METHOD OR METHODS TO BE IMPLEMENTED AND THE TIME REQUIRED FOR EACH PHASE OF THE PROPOSED PROSPECTING OPERATION

PHASE	ACTIVITY (what are the activities that are planned to achieve optimal prospecting)	SKILL(S) REQUIRED (refers to the competent personnel that will be employed to achieve the required results)	PLANNED TIMEFRAME (in months) for the activity	OUTCOME (what is the expected deliverable)	OUTCOME TIMEFRAME (deadline for the expected outcome to be delivered)	QUALIFIED SIGNATORY What technical expert will sign off on the outcome?(eg. geologists, mining engineers, surveyors, etc)
e.g.1	Non-Invasive Prospecting Geophysical Survey	Geologist / Mineral economist	Month 1 - 6	Field Plans, Flight Line and Traverse Lines Digital Data gathered	Month 6	Geophysicist
	Non-Invasive Prospecting Literature Survey	Geologist	Month 1 - 6	Maps or Plans and detailed report on results	Month 6	Geologist
	Invasive prospecting Boreholes,	Geologist	Month 1 - 6	Borehole core data	Month 24	Geologist
e.g.2	Trenches and/	Geologist	Month 7- 24	Detailed report on sidewall profiles, volumes, average grades, locality	Month 24	Geologist
e.g.3	Excavations	Volunteer / Labourers / Mining Co	Month 7- 24	sidewall mapping, lithological profiles	Month 24	Geologist
e.g.4	Non-Invasive prospecting Analytical Desktop Studies	Mine Economist / Geologist	Month 24-36	Geological or pre-feasibility Reports Resource Statements, Geological Maps/Plans	Month 36	Geologist / Mineral Economist (professionally Qualified Persons)

The table below incorporates the information required in respect of Regulations 7(1)(f), 7(1)(h) and 7(1)(i):

Table 5.1

Phase	Activity (what are the activities that are planned to achieve optimal prospecting)	Skill(s) (refers to the competent personnel that will be employed to achieve the required results)	Timeframe (in months) for the activity)	Outcome (What is the expected deliverable, e.g. Geological report, analytical results, feasibility study, etc.)	Timeframe for outcome (deadline for the expected outcome to be delivered)(Time to deliver)	What technical expert will sign off on the outcome? (e.g. geologist, mining engineer, surveyor, economist, etc)
1 Phase	Non-Invasive Geological Fieldwork, Mapping, Droning and Sample Analysis	Geologist	Months 1-6	Prospecting Target area Report	Month 1	Geologist
2 Phase	Invasive Bulk Sampling	Mine Manager Geologist Rock Mechanics Engineer	Months 7-36	Pre-Feasibility Report	Continues on monthly basis	Mine Manger
3 Phase	Non-Invasive Final Geological Report Preparation for Mining Right	Geologist Environmentalist/Geologist Mine Engineer/Surveyor	Month 37-40 Months 40-48	Mining Works Program Geological Report	2 Months Preparation and application for Mining Right	Geologist Geologist

6. REGULATION 7(1)(g): A DESCRIPTION OF THE PROSPECTING METHOD OR METHODS TO BE IMPLEMENTED

(i) DESCRIPTION OF PLANNED NON-INVASIVE ACTIVITIES:

(These activities do not disturb the land where prospecting will take place e.g. aerial photography, desktop studies, aeromagnetic surveys, etc)

(i) Desktop Study (1 -6 months)

A first phase of geological investigations comprises of collecting various geological literature relating to the area of interest. This literature may be obtained from relevant books and journals. Information can also be inquired from companies which have previously mined in the area. Satellite images as well as geological maps will be used to identify possible prospecting target areas.

(ii) Geological Mapping with aid of UAV (1month)

To identify prospecting target areas more accurately, an Unmanned Aerial Vehicle (UAV) or commonly known as a drone will be employed. It has different sensors integrated into the drone, making this more productive and environmentally friendly (no contact with the ground). It is an automated system, with a programmed flight plan, allowing for large areas to be covered in a short period of time. The intention is also to reduce drilling needed (and hence costs).

The system also provides a cost-effective way to make mineral exploration in new, unexplored areas.

The flight is controlled by an autopilot. The autopilot records flight data including GPS time and position (latitude and longitude), the orientation (roll, pitch and yaw), and barometric pressure. The real-time flight is controlled by PC software via a telemetry (radio) link. The nominal accuracy of the GPS position is about ± 1.5 m.

The magnetic field is measured using a digital 3-component flux-gate magnetometer. The magnetometer data (X, Y, Z components and total field), are recorded by the company's own data logger. The GPS time and position are synchronized with the autopilot.

A base station located near the mobile telemetry/control station measures the time variation of the total magnetic field using a proton precession magnetometer.

This allows for more cost effective (i.e., faster and more versatile (e.g., swamps or rivers are no obstacles for drones) and environmentally friendlier (no impact on the ground) exploration. Challenges remaining are the limited payload (requiring survey equipment to be modified light weight), the limited flight time (requiring comprehensive planning for larger survey areas), weather (i.e., wind) and different aviation policy requirements in different countries.

Impact on the mining value chain

- EXPLORATION (incl. permitting)

EXPLORATION

- safe and fast remote exploration
- reduced environmental impact

The data so obtained would be incorporated into a drilling plan and the final bulk sampling positions.

Mapping

Thorough field mapping of the surface geology will be done in order to narrow down target areas for determining the location of the ore body. Field mapping and satellite images makes it possible to eliminate certain areas and focus on the possible ore deposits.

Geological Report (months 44-60)

This written report comprises of all prospecting results as well as recommendations for future activities. When the prospecting period is done decisions will be made regarding the necessity of future prospecting or application for a mining right

(ii) DESCRIPTION OF PLANNED INVASIVE ACTIVITIES:

(These activities result in land disturbances e.g. sampling, drilling, bulk sampling, etc.)

Bulk Sampling (month 7-36)

Bulk sampling is done through opencast pitting by using machinery as well as labour. Excavators are used to remove the overburden as well as ore. The dimensions of the excavations for the diamond prospecting will be 4 pits of dimension 50m X20m in the targeted areas. The deviation to this bulk sampling program could be when a particular line of interest is encountered, and the prospecting bedone along a channel. The ore is then transported to the plant by means of Dump Trucks. The alluvial ore is introduced to the Plant Receiving Bin by means of a Load Haul Dumper. The oversize material (+100mm) is used as backfill in the opened-up excavation areas. The overburden is placed on site where it is later backfilled into the pit, i.e., formations will be placed back in the same sequence it was extracted. The topsoil is then introduced to complete the rehabilitation process. Rehabilitation is thus continuous.

The ore is treated in a processing plant (Fig4) that consists of 1 x 6 feet rotary pan. These pans operate on the principle of density of which the medium is puddle. The concentrate will report to a recovery house, and the diamonds recovered through grease tables.

Diamond Prospecting

Production Tonnage Calculation

Waste to ore expected to be 4:1

4 Pits with dimension 50mx20mx6m inclusive of waste=24000m³

Volume ore: 4800 m³

Volume Overburden:19200 m³

Density ore:1.8

Density overburden: 1.2

Tonnage Ore: 8640

Tonnage Overburden:23040

TOTAL TONNAGE: 31680

Pegmatites Prospecting

These minerals occur in veins in the hills on the prospecting area. It occurs as outcrops on the surface area. This will be labour intensive as no mechanised mining method would be employed. No stripping would be required.

It is anticipated that 800 sampling points of dimension 1m length x 0.2m x 0.2m would be made with a density of 2.0

Total Volume: 32m³

Total Tons: 64

Combined Total Volume: 24064 m³

AERIAL DISTURBANCE OF PROSPECTING: 1160m²

Labour: 12 Employees semi- skilled

Skilled: 3

Total Employees: 15

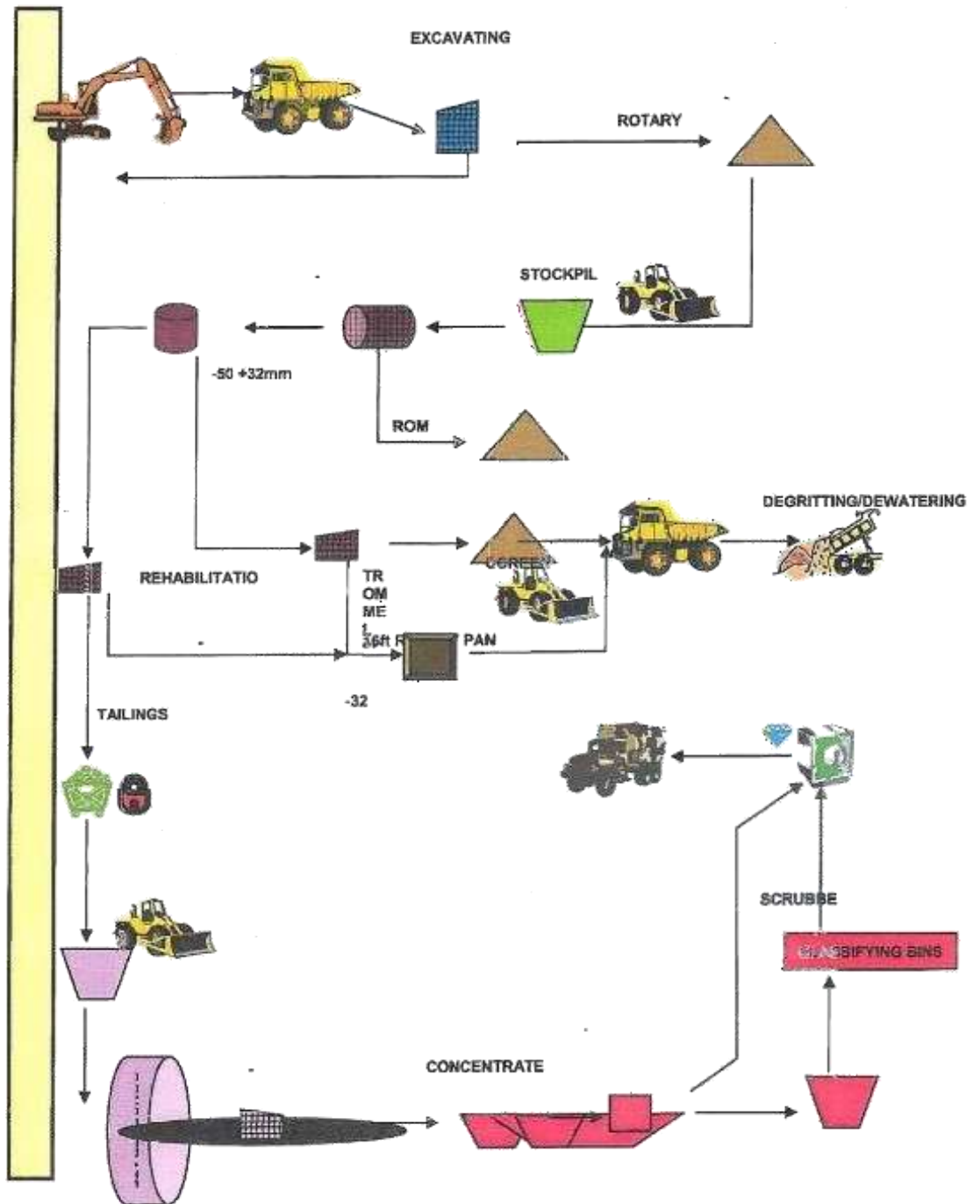


Figure 4: Schematic representation of the planned processing flow

MINE HEALTH AND SAFETY PROGRAM

The Mine Health and Safety Program will be drafted in terms of the Mine Health and Safety ACT of 1996 (as amended) and the Regulations Promulgated thereunder. The following is a summary of the Safety File:

Mine Health and Safety and Environment Policy

Legal Appointments

Induction and Refresher Program

Annual medical examination

Mandatory Code of Practices

Company Code of Practices

Safe Operating Procedures

Daily Safe Declaration of the Pits

Daily Safety Talks

Monthly Health, Safety and Environment Meetings

Daily Inspections

Daily Pre-Starts on TMM's and Plant Equipment

Inspections on other equipment: ladders, oxy-acetylene equipment, diesel bay, PPE, warning and regulatory signs

HIV Program

Daily Testing of alcohol and substance abuse

Commitment to provide addendums in respect of additional prospecting activities

I herewith commit to provide the Department of Mineral Resources with an addendum in respect of both the EM Plan and Prospecting work Programme regarding any future in-fill prospecting required but not described above, prior to undertaking such activities. The addendum will cover all the Regulations as per the Prospecting Work Programme.

I agree that the addendums will provide for similar activities only and if the scope changes I would be required to apply in terms of Section 102 of the MPRDA for an amendment of the Prospecting Work Programme

Mark with X

ACCEPT

X

(iii) DESCRIPTION OF PRE-/FEASIBILITY STUDIES

(Activities in this section includes but are not limited to: initial, geological modelling, resource determination, possible future funding models, etc)

Feasibility Evaluation:

Map generation, mining layout and reporting. The feasibility study will take into account the geology, metallurgy and economics. The study must also determine mine operating costs, which include labour, electricity supplies and shipping as well as determining at what rate (daily tonnage) mining will occur.

The following components will be addressed:

- Mineral Resources and the Mineral reserves
- Mining method and the beneficiation process
- Mining rates
- Mine planning and life of mine
- Environmental issues and Right requirements
- Preliminary market study
- Capital cost estimates
- Operating cost estimates
- Financial and sensitivity analysis

(iv) DESCRIPTION OF BULK SAMPLING ACTIVITIES

This activity requires that an application IN TERMS OF Section 20 of the Act is specifically included in your application for a prospecting Right and cannot be proceeded with if such permission is not specifically granted.

(Bulk sampling is a sampling technique ONLY- it cannot be used to conduct mining operations. The following table must be completed for Bulk Sampling)

Table 6.1: Bulk Sampling Activities

ACTIVITY		DETAILS		
Number of pits/trenches planned		4 Pits Diamonds 200 Semi-Precious Stones		
Dimensions of pits/trenches, per pit/trench	Number of pits/trenches	Length	Breadth	Depth
	4	50m	20m	6m
	200	1m	0.2m	0.2m

Locality	Bulk sampling positions cannot be determined at this stage and is dependant on the outcome of the Geological Mapping	
Volume Overburden (diamonds only)	19 200m3	
Volume Ore	4800 m3	
Density Overburden	1.2	
Density Ore	1.8	
Total Volume diamonds and semi-precious stones	24064m ³	
Phase(s) when bulk sampling will be required	2	
Timeframe(s)	Months 7-36	

NOTE: Detailed description of the required costs MUST be indicated in the cost estimate as per Regulation 7(1) (k)

The applicant HEREWITH lodge a Section 20 application which is attached.

Commitment to provide for an addendum in respect of additional bulk sampling activities

I herewith commit to provide the Department of Mineral Resources with an addendum to the Prospecting Work Programme, and an Environmental Management programme for approval prior to undertaking any future bulk sampling activities not described above.

Mark with X

Accept x

7. REGULATION 7(1)(j)(i): DETAILS WITH DOCUMENTARY PROOF OF THE APPLICANT’S TECHNICAL ABILITY OR ACCESS THERETO TO CONDUCT THE PROPOSED PROSPECTING OPERATION

7.1 Competencies to be employed in terms of the Mine Health and Safety Act

COMPETENCIES TO BE EMPLOYED (List the legal appointments that will be made in terms of the Mine Health and Safety Act, appropriate for the type of operation)
Mine Manager
Shift Foreman
First Aider
Safety Officer
Health & Safety Representative
On Contract-Occupational Hygienist, Electrician, Surveyor, Medical Practitioner, Environmental Practitioner, Rock Mechanics Engineer

I herewith confirm that I, in Table 9.1 have budgeted and financially provided for the required skills listed above.

CONFIRMED (Mark with an X)	X
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7.2 List of Appropriate equipment at your disposal (If Applicable)

Table D: Appropriate Equipment Available (Contractor Equipment)

1x 6 Feet Rotary Pan Plants with Conveyors and Scrubber
1x Bell Excavator
1x Bell Dump Truck
1x Sany Front End Loader
1 Finlay 400Kv Generator

7.3 Technical skills provided Free of Charge (See APPENDIX 1)

7.3.1 Information (CV’s) in respect of skills already acquired (append)

7.3.2 Copy of the relevant contractual agreements between the service provider and the applicant relative to the duration of the planned prospecting period, where applicable. (append)

7.3.3 ALL other evidence of Technical Ability (append)

8. **REGULATION 7(1)(j)(ii): DETAILS WITH DOCUMENTARY PROOF OF A BUDGET AND DOCUMENTARY PROOF OF THE APPLICANT'S FINANCIAL ABILITY OR ACCESS THERETO**

AND

9. **REGULATION 7(1)(k) A COST ESTIMATE OF THE EXPENDITURE TO BE INCURRED FOR EACH PHASE OF THE PROPOSED PROSPECTING OPERATION** (remember to also include prospecting fees)

Table 9.1

ACTIVITY	YEAR 1 Expenditure (R')	YEAR 2 Expenditure (R')	YEAR 3 Expenditure (R')	YEAR 4 Expenditure (R')	YEAR 5 Expenditure (R')
PHASE 1 Desktop Study, Geological Mapping, Resistivity Testing	15 000				
Phase 2 Bulk Sampling (Diamonds) Sampling Semi Precious Stones	10 000	55 000 12 000	35 000 15 000		
PHASE 3 Geological Report			18 000	15 000	
Annual Total	25 000	67 000	68 000	15 000	
				Total Budget	R 175 000

NOTE! If any person (including the applicant) provides services in any job or skills category at a reduced rate or free of charge, then such person's Curriculum Vitae (CV) must be attached as documentary proof of the technical ability available to the applicant.

10. FINANCIAL ABILITY TO GIVE EFFECT TO THE WORK PROGRAMME

10.1 The amount required to finance the Work Programme.

(State the amount required to complete the work)

Amount Required (Diamond Sales Excluded) **R175 000**

10.2 Detail regarding the financing arrangements

(Elaborate on the financing arrangements, in terms of where the finance will be sourced, extent to which the financing has been finalized and on the level of certainty that such financing can be secured.)

The Applicant have secured an additional R180 000 as a loan to fund the project. The loan agreement and proof of the financial ability is attached as APPENDIX 2.

10.3 Confirmation of supporting evidence appended

(Attach evidence of available funding and or financing arrangements such as balance sheets, agreements with financial institutions, underwriting agreements, etc. and **specifically confirm** in this regard what documentation has been attached as appendices).

Kindly see the evidence as APPENDIX 2

11 Confirmation of the availability of funds to implement the proposed project.

The funds are available within 30 days after approval of the Prospecting Right.

12 I herewith confirm that I have budgeted and financially provided for the total budget as identified in Regulation 7(1)(k).

Confirmed (Mark with an X)	X
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13 REGULATION 7(1) (m): UNDERTAKING, SIGNED BY THE APPLICANT, TO ADHERE TO THE PROPOSALS AS SET OUT IN THE PROSPECTING WORK PROGRAMME

Table: 13.1

Herewith I, the person whose name and identity number is stated below, confirm that I am the Applicant or the person authorised to act as representative of the Applicant in terms of the resolution submitted with the application, and undertake to implement this prospecting work programme and adhere to the proposals set out herein.	
Full Names and Surname	FELICITY CECILIA LINKS
Identity Number	6701190464088



mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA

NAME OF APPLICANT: FELICITY CECELIA LINKS

**APPLICATION FOR THE PERMISSION
OF THE MINISTER IN TERMS OF
SECTION 20
OF
THE MINERAL AND
PETROLEUM RESOURCES
DEVELOPMENT ACT, 2002,
(ACT NO. 28 OF 2002) (The Act)**

**TO REMOVE AND DISPOSE OF MINERALS
DURING THE COURSE OF PROSPECTING
OPERATIONS**

STANDARD DIRECTIVE

All applicants for and holders of prospecting rights intending to remove and dispose for their own account of bulk samples of minerals found in the course of prospecting operations conducted pursuant to a prospecting right must apply for the written permission of the Minister to do so and are herewith, in terms of the provisions of section 29 of the Act, directed to provide the following information in the format required herein.

The Regional Manager/ General Manager

REGION	NORTHERN CAPE
NAME OF APPLICANT	FELICITY CECILIA LINKS

1. Extent of Bulk Sampling to be undertaken

State the mineral to be removed	Amethyst (GAt) Aquamarine (GAq) Citrine (GCI) Diamond Alluvial (DA) Feldspar (GFs) Gemstone (GS) Opal (GOp) Quartz (GQ) Rose Quartz (GRq) Tourmaline (GTm)
State the total volume of the mineral to be removed in m ³	19264 m ³
Density of Ore	1.8
State the volume of total excavations to be made including the overburden in m ³	4 Pits with dimensions of 50m x 20m x 6m 200 Sampling Points 1m x 0.2 x 0.2 Total Volume

2. Documents to be uploaded

2.1 Motivation for the application

(Provide a detailed and technically justified reason for the bulk sampling in the space provided below, including the volumes of the mineral to be tested, why they will be tested, where they will be tested, and to whom they will be disposed of.)

Volumes of the mineral to be tested:

Number of pits/trenches	Length	Breadth	Depth
4 Diamond Pits	50m	20m	6m
200 Semi- Precious Sampling Points	1m	0.2m	0.2m

The location of the pits and trenches will be based on the geological mapping that would be performed.

Why they will be tested:

The diamond gravels will be tested to determine a grade (carats per hundred tonne) and value (US\$ per carat).

Pegmatites would similarly be tested for quality

Where they will be tested:

All bulk sampling activities will take place on site. Herewith follows a description of the process:

Bulk Sampling

Bulk sampling is done through opencast pitting by using machinery as well as labour. Excavators are used to remove the overburden as well as ore. The dimensions of the excavations are 4 pits 50m X20m X6m for diamonds and 200 sampling points for semi-precious stone of dimension 1m x 0.2m x 0.2m. The deviation to this bulk sampling program could be when a particular line of interest is encountered, and the prospecting be done along a channel. The ore is then transported to the plant by means of Dump Trucks. The alluvial ore is introduced to the Plant Receiving Bin by means of a Load Haul Dumper. The oversize material (+100mm) is used as backfill in the opened-up excavation areas. The overburden is placed on site where it is later backfilled into the pit, i.e., formations will be placed back in the same sequence it was extracted. The topsoil is then introduced to complete the rehabilitation process. Rehabilitation is thus continuous.

The ore is treated in a processing plant (Fig4) that consists of 1 x 6 feet rotary pans. These pans operate on the principle of density of which the medium is puddle. The concentrate will report to a recovery house, and the diamonds recovered through grease tables.

Pegmatites would be searched through hand picking method.

To whom they will be disposed of:

Diamonds will be sold to registered diamond buyers at a diamond tender house CS Diamonds, in Kimberley to determine an average US\$/carat value for the diamonds. Alternative to registered buyers in South Africa Pegmatites stones would be sold to registered buyers in Johannesburg and Cape Town (local market).

2.2 Undertaking to make bulk sampling results available.

(Provide (a) a detailed and technically appropriate description of any technical or customer reports, and/or mineral quality, mineral suitability, grades per ton or per 100 tons, as the case may be, that will result from the bulk sample(s), (b) the contribution such results will make towards the determination of a resource, and (c) an undertaking to make such results available in terms of regulation 8)

(a) a detailed and technically appropriate description of any technical or customer reports, and/or mineral quality, mineral suitability, grades per ton or per 100 tons, as the case may be, that will result from the bulk sample(s)

Excavations will be carefully measured to determine the tonnages of excavated gravel material. Detailed records will be kept of the diamonds recovered. This will enable the appointed consulting geologist to

determine the grade of the gravels. A diamond specialist will be hired to give a detailed description of the diamonds recovered and to do a projection of the size distribution of the deposit. The diamonds will be sold at a diamond tender house which will result in an average diamond value for the deposit. The grade and average diamond value will be used in a resource statement.

The following reports will result from the bulk sampling operation:

- Measure volume and tonnage report by a mining supervisor.
- Report on diamonds recovered and their characteristics by a diamond expert.
- Diamond tender results.

- Sales of semi-precious stones(pegmatites) will be declared
- Report on bulk sampling results by a geologist.

(b) the contribution such results will make towards the determination of a resource,

Bulk sampling will enable to increase the confidence levels of resource levels from inferred to indicated. Without bulk sampling test it is not possible classify the resource beyond inferred levels.

(c) an undertaking to make such results available in terms of regulation 8)

I, Felicity Cecelia Links, Identity Number 6701190464088, hereby undertake to fully comply with conditions of Regulation 8 and to make all bulk sampling results available to the Department of Mineral Resources.

2.3 Prospecting work programme (with bulk sampling)

(NOTE: Provide a complete prospecting work programme compiled in accordance with and in the format of the template provided in the SAMRAD ONLINE application portal)

Yes – completed and uploaded on SAMRAD.

2.4 Environmental management programme

(NOTE: Provide a complete environmental management programme in accordance with the EM Programme template provided in the SAMRAD ONLINE application portal). (NOTE: The submission of an Environmental Management Programme is not required in cases where the total volume of excavations, of the mineral and the overburden, will be less than 10 000m³, except in the cases of diamonds, dimension stone and construction materials where the submission of an Environmental Management Programme will remain a requirement).

An Environmental Management Programme will be completed within the prescribed time frames after an acceptance letter has been received.

2.5 Copy of resolution

(Provide a copy of a signed resolution by the company or holder authorising the person submitting the application to act in a representative capacity to submit the application for bulk sampling)

A resolution authorizing M A Goliath is uploaded on SAMRAD.

2.6 IDENTIFICATION OF THE APPLICATION

Herewith I, the person whose name and identity number is stated below, confirm that I am the Applicant or the person authorised to act as representative of the Applicant in terms of the resolution submitted herewith, and that the information contained herein is true and correct.

Full Names and Surname	Felicity Cecelia Links
Identity Number	6701190464088

References:

The Lithological and Structural Characterisation of the Sperlingputs Shear Zone in Southern Namibia. by Jason Linekela Indongo

END

TITLE DEEDS

PROPERTY DETAILS PRINT FOR PORTION 0
FARM NO 24
REG DIV NAMAKUALAND RD

PROVINCE NORTHERN CAPE
PREV DESCRIPTION
DIAGRAM DEED NO DUM
EXTENT DUM
CLEARANCE NAMAKHOTI MUN
FARM NAME RANJIS DRIFT

FIRM NR : 999
FIRM NAME : AKTEKANTOOR KIMBERLEY
FILE NR : PREP
FEE AMOUNT: R .00

NO INTERDICTS

DOCUMENTS CONVERTED FROM CTM FARM NA 24

HOLDER	AMOUNT	O/P/A	SCAN/MICRO REF	MYDD
--------	--------	-------	----------------	------

* O/P/A - O - MULTIPLE OWNER P - MULTIPLE PROPERTY A - MULTIPLE OWNER AND PROPERTY

** PLEASE NOTE : THE INFORMATION APPEARING ON THIS PRINTOUT IS FURNISHED FOR PURPOSES OF INFORMATION ONLY.
FOR MORE DETAILED INFORMATION, PLEASE REFER TO THE REGISTERED SOURCE DOCUMENTS.

*** END OF REPORT ***



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Name
Enquiries

NP Ferreira/gw

PROVINSIALE ADMINISTRASIE VAN DIE PROVINSE OORDE-KAAP
PROVINCIAL ADMINISTRATION OF THE PROVINCE OF NORTHERN CAPE

Verwysing
Reference

16/5/1/7 (Goodhouse)

DEPARTEMENT
BEHUISING EN
PLAASLIKE REGERING

Datum
Date

1997-11-21

DEPARTMENT
HOUSING AND
LOCAL GOVERNMENT

Die Registrateur van Aktes
Departement van Grondsaak
Privaatsak X9073
KAAPSTAD
8000

SEELING DUTY	R. _____
FOOT FEE	R. 6500
	C.S.

T 97227 98

**KENNISGEWING KRAGTENS ARTIKEL 11 VAN DIE WET OP LANDELIKE GEBIEDE
(RAAD VAN VERTEENWOORDIGERS), 1987 (WET 9 VAN 1987) ENDOSSERING
VAN TITELBEWYS - LANDELIKE GEBIED STEINKOPF**

Hiermee word u ooreenkomstig artikel 11 van bovermelde Wet in kennis gestel dat die grond
gehou kragtens Transportakte Nr. T28404/1949 ingevolge artikel 7 van die Wet op Landelike
Gebiede (Raad van Verteenwoordigers), 1987 (Wet 9 van 1987) op die Minister soos
omskryf in artikel 1 van die Wet op Landelike Gebiede (Raad van Verteenwoordigers) Wet 9
van 1987 oorgestaan het en by hom betrus in trust vir die gemeenskap van Steinkopf.

Lorence

GOVINDASAMY PERUMALL GOVENDER
DIREKTEUR : ONTWIKKELINGSBESTAUR

GEBERTIFISEER 'n juiste afskrif van die duplikaat CERTIFIED a true copy of the duplicate original in oorspronklike kragtens regspraak terms of regulation No. 200-21 (1987)	
ARTEKANTOOR, DEEDS OFFICE, KIMBERLEY	REGISTRATEUR VAN AKTES REGISTRAR OF DEEDS.

38/10
[Signature]

Privaatsak X9073
Cent. Susterweg 3
KIMBERLEY
8100

Tel. (0531) 32711
Fax (0531) 812904

Private Bag X9073
Cent. Susterweg 3
KIMBERLEY
8100

All correspondence must be directed to the Chief Executive Officer
Alle korrespondensie moet aan die Hoof (Afwakende Bestuur) gewig word.

APPENDIX 1
CVs of Technical Personnel
MINE MANAGER

E-mail ayanda.rarane@yahoo.com

Cell nr 0659894155/ 0783356915

RESUME: Ayanda T.Rarane

Objective My objective is to consciously choose to fit into an effective working culture and to know and understand processes and my work in its entirety. I want to grow as an individual through exposure in order to add maximum value.

Personal detail Language : Xhosa, English
Date of birth : 5 March 1978
Nationality : South African

Marital Status : Single

Race African

EDUCATION & Qualification Matric – Louw Wepener High School 1997

Certificates - In-house Training / Exposure at De Beers Mines

- National Opencast blasting ticket
- Competent A
- First Aid Level 5
- SAP HR Line Manager Part 1, 2, 3
- SAP Navigation training
- Safety Health Environment Awareness Program – IRQA
- HIV /AIDS Training program for Peer Educators
- Safety Rep training course
- Incident and accident investigation
- Environmental Awareness
- Occupational health& hygiene
- Supervisor SHE Training Course
- Skid pad training course
- Risk Assessment Course
- Conflict Management
- Generic Management Level 3

License code National License Code C1

Experience **NM – Field Serviceman (Bedrock, Stripping, Haulage) 2002/11/30 - 2003/03/31**

(Servicing machines i.e., 250 hrs, 500hrs and 1000 hrs. Also running breakdowns and daily service)

Mining Trainee 2003/04/01- 2004/05/30

- **Bedrock Attendant** - Trained at the bedrock Sweeping, vacuum compressor and Transvac).
- **Team leader** – plan the daily task, team register, worked meters, pre-start checks, inform engineering department in the event of breakdowns
- **Bedrock Operator** - Pre–start check and operating bedrock machines, inform the mining central control room in the event of breakdown (Dozer, Small track Excavator, tyre excavator and tyre dozer)
- **Haulage Operator** – Trained to operate haulage machines (rigid truck, articulated truck and front-end loader). Perform prestart check and report to the central control room any defects. Haul ore from the mine to the plant headfeed and stockpiles.

Supervisor (Bedrock Haulage Road Maintenance) 2004/05/30 - 2006/08/30

- Relocating bedrock operations, e.g. Movement of bedrock teams, provision of transport, fuel and water, the movement of equipment and the re-direction of machines.
- Monitoring of earth moving machines and informing the engineering department in the event of breakdowns and maintenance requirements in accordance with the instruction from the Mining Foreman Production.
- Ensuring that appropriate cleaning standards are maintained according to set standards.
- Checking the accuracy of daily bedrock statistics as recorded by the mining supervisor
- Maintain roads in the mining areas i.e. grade, dust suppressed, spillage, safety precautions (reflective poles).
- Provide plant with the ore, make sure there is enough ore on the stockpiles. Keep the register of the operators, reach daily targets.
- Structural design of haul roads
- Constructing of ramps on grade
- Maintenance on the roads
- Dewatering of mines, roads
- Road traffic Signs and demarcations
- Accountable for dumping procedure
- Watering of haul roads

NM - Production Foreman -

Assistant Production Foreman 2008/09/01- 2009/07/31

- Monitoring mining operation to ensure that the correct standard operating procedures are adhered to, e.g. Pre-start- checks on all machinery and equipment.
 - Performs over -inspections to ensure all machines and tools are in good working order and reports any deviations.
 - Authorizes orders for protective clothing and equipment and ensuring the availability thereof.
 - Monitoring manpower utilization levels and discusses corrective action with relevant HR business partner.
 - Initiates disciplinary hearings if and when required.
 - Identifies training needs and recommends individuals for training or provides on the job training.
 - Ensure that all targets are achieved.
 - In charge of mining team
 - Optimization of the use of mining equipment
 - Ensure compliance towards Safety, Health Environmental, Fire
 - Training and development of subordinates
 - Co-ordinate and plan physical mining activities (floor elevation, bench height, cycle times of fleet, mug pile condition, clean-ups, road condition, loading site, visibility, HIRA's Tons per hour, constructing of ramps, grade control)
 - Conducting of shift handover and compliance towards risk assessments and continues risk assessments and be familiar with the top risk in baseline of my area of responsibility.
-
- Drilling Site Preparation part of (Audit Trail)
 - Monitoring Quality Drilling.
 - Loading and Hauling
 - Primary Crusher stockpile and Rom Bin
 - Waste Dumping and limit lines
 - Evacuation of Pit for Blasting.
 - Washing of HDV for planned service.
 - Good Housekeeping of The Refuel Bay.
 - Oversee the mining control room to recorded correct data.
 - Co-ordinate and plan physical mining activities (floor elevation, bench height, cycle times of fleet, mug pile condition, clean-ups, road condition, loading site, visibility, HIRA's Tons per hour, constructing of ramps, grade control)

Voorspoed Mine

Production Operator 2009/09/14 -2011/11/30

- Perform pre-start check, report any defect to the central control room, record tons tally, SLAM,
- Suggestions on any safety and production related matter

Assistant Shift Boss Drilling 2011/12/01 – 2014/09/16

- Monitoring mining operation to ensure that the correct standard operating procedures are adhered to, e.g. Pre-start-checks on all machinery and equipment.
- Performs over -inspections to ensure all machines and tools are in good working order and reports any deviations.
- Authorizes orders for protective clothing and equipment and ensuring the availability thereof.
- Monitoring manpower utilization levels and discusses corrective action with relevant HR business partner.
- Initiates disciplinary hearings if and when required.
- Identifies training needs and recommends individuals for training or provides on the job training.
- Ensure that all targets are achieved.
- In charge of mining team
- Optimization of the use of mining equipment
- Ensure compliance towards Safety, Health Environmental, Fire
- Training and development of subordinates
- Drilling Site Preparation part of (Audit Trail)

- Evacuation of Pit for Blasting.
- Monitoring Quality Drilling.

- Co-ordinate and plan physical mining activities (floor elevation, bench height, cycle times of fleet, mug pile condition, clean-ups, road condition, loading site, visibility, HIRA's Tons per hour, constructing of ramps, grade control)

- Controlling of measuring, cleaning, bag, tag of a drill holes and square off the pattern.
- Pro – active in preparation, cleaning and demarcation of next pattern.
- Evacuation of drill Rig when blasting is in place.

- Comply with the daily line – up and signing book when task is completed

- Comply to drill with water.

- Responsibility of storage of cones in the red container next to the old
- White house.

- Knowledge and signed of audit trail for drilling pattern.

- Safe, effective and quick training of new drill operators.

- Progression of operators and training.
- Cleanness in and outside of LDV

- Hand over book between operators.

**Current
responsibilities**

Assmang Iron Ore Mine

Shift Supervisor Drilling 2014/09/29 - 2017/03/31

- Monitoring mining operation to ensure that the correct standard operating procedures are adhered to, e.g. Pre-start- checks on all machinery and equipment.
- Performs over -inspections to ensure all machines and tools are in good working order and reports any deviations.
- Authorizes orders for protective clothing and equipment and ensuring the availability thereof.
- Monitoring manpower utilization levels and discusses corrective action with relevant HR business partner.
- Initiates disciplinary hearings if and when required.
- Identifies training needs and recommends individuals for training or provides on the job training.
- Ensure that all targets are achieved.
- In charge of mining team
- Optimization of the use of mining equipment
- Ensure compliance towards Safety, Health Environmental, Fire
- Training and development of subordinates
- Drilling Site Preparation part of (Audit Trail)

- Evacuation of Pit for Blasting.
- Monitoring Quality Drilling.

- Co-ordinate and plan physical mining activities (floor elevation, bench height, cycle times of fleet, mug pile condition, clean-ups, road condition, loading site, visibility, HIRA's Tons per hour, constructing of ramps, grade control)

- Controlling of measuring, cleaning, bag, tag of a drill holes and square off the pattern.
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- Comply with the daily line – up and signing book when task is completed

- Comply to drill with water.

- Responsibility of storage of cones in the red container next to the old white house.

- Knowledge and signed of audit trail for drilling pattern.

- Safe, effective and quick training of new drill operators.

- Progression of operators and training.
- Cleanness in and outside of LDV

- Hand over book between operators.

- Monitoring mining operation to ensure that the correct standard operating procedures are adhered to, e.g. Pre-start-checks on all machinery and equipment.
 - Performs over-inspections to ensure all machines and tools are in good working order and reports any deviations.
 - Authorizes orders for protective clothing and equipment and ensuring the availability thereof.
 - Monitoring manpower utilization levels and discusses corrective action with relevant HR business partner.
 - Initiates disciplinary hearings if and when required.
 - Identifies training needs and recommends individuals for training or provides on the job training.
 - Ensure that all targets are achieved.
 - In charge of mining team
 - Optimization of the use of mining equipment
 - Ensure compliance towards Safety, Health Environmental, Fire
 - Training and development of subordinates
 - Drilling Site Preparation part of (Audit Trail)
-
- Evacuation of Pit for Blasting.
 - Monitoring Quality Drilling.
-
- Co-ordinate and plan physical mining activities (floor elevation, bench height, cycle times of fleet, mug pile condition, clean-ups, road condition, loading site, visibility, HIRA's Tons per hour, constructing of ramps, grade control)
-
- Controlling of measuring, cleaning, bag, tag of a drill holes and square off the pattern.
 - Pro – active in preparation, cleaning and demarcation of next pattern.
 - Evacuation of drill Rig when blasting is in place.
-
- Comply with the daily line – up and signing book when task is completed
-
- Comply to drill with water.
-
- Responsibility of storage of cones in the red container next to the old white house.
-
- Knowledge and signed of audit trail for drilling pattern.
-
- Safe, effective and quick training of new drill operators.
-
- Progression of operators and training.
 - Cleanness in and outside of LDV
-
- Hand over book between operators.

Shift Supervisor
 Load And Haul
 2017/04/01-
 2018/04/30

- Co-ordinate and plan physical mining activities (floor elevation, bench height, cycle times of fleet, mug pile condition, clean-ups, road condition, loading site, visibility, HIRA's Tons per hour, constructing of ramps, grade control
- Ensure adherence to SHERQ and legal standards and procedures within relevant shift and assist line management in the improvement thereof.

- Allocate resources (loading equipment and personnel) to meet daily pit schedule requirements
- Inspect loading areas, dumping areas ramps and haul ways to meet safety requirements and identify and resolve loading constraints. Conduct thorough shift handover with previous shift supervisor by communicating all relevant shift information.
- Manage the performance of work team to achieve section's business objectives including effective communication of management information and team needs.
- Supervise and plan subordinates and check understanding prior to work allocation and task execution.
- Provide guidance and advice where necessary
- Responsible for managing training of subordinates against Development Plans And Performance Contracts
- Plan, coordinate and control the load and haul process throughout the shift with regards to correct utilization of resources, grade requirements, relevant safety standards and pit schedule requirements.
- Continuously liaise with Mining Control Room Operator and Quality Controller with regards to production volumes and grade control and organize resources accordingly

Sedibeng Iron Ore Mine

Bench Supervisor 2018/08/27 - 2019/8/27

- Ensure that every employee complies with the requirements of the act
- Institute the measures necessary to secure, maintain and enhance health and safety
- Consider an employee's training and capabilities in respect of health and safety before assigning a task to that employee
- Ensure that work is performed under the general supervision of a person trained to understand the hazards associated with the work
- Coordination of hauling activities
- Loading fleet utilization
- Proper shift handovers to ensure no impact on operations and/or production

Pit Superintendent Lidino Mine PTY LTD 2020/06/20 until 202/01/20

- Ensure adherence to SHERQ and legal standards and procedures within relevant shift and assist line management in the improvement thereof.
- Allocate resources (loading equipment and personnel) to meet daily pit schedule requirements
- Inspect loading areas, dumping areas ramps and haul ways to meet safety requirements and identify and resolve loading constraints. Conduct thorough shift handover with previous shift supervisor by communicating all relevant shift information.
- Manage the performance of work team to achieve section's business objectives including effective communication of management information and team needs.
- Supervise and plan subordinates and check understanding prior to work allocation and task execution.
- Provide guidance and advice where necessary
- Responsible for managing training of subordinates against Development Plans And Performance Contracts
- Plan, coordinate and control the load and haul process throughout the shift with regards to correct utilization of

Pit Superintendent Mukulu Mine (01/09/2021-15/05/2022)

- Performs over -inspections to ensure all machines and tools are in good working order and reports any deviations.
 - Authorizes orders for protective clothing and equipment and ensuring the availability thereof.
 - Monitoring manpower utilization levels and discusses corrective action with relevant HR business partner.
 - Initiates disciplinary hearings if and when required.
 - Identifies training needs and recommends individuals for training or provides on the job training.
 - Ensure that all targets are achieved.
 - In charge of mining team
 - Optimization of the use of mining equipment
 - Ensure compliance towards Safety, Health Environmental, Fire
 - Training and development of subordinates
 - Drilling Site Preparation part of (Audit Trail)
-
- Evacuation of Pit for Blasting.
 - Monitoring Quality Drilling.
-
- Co-ordinate and plan physical mining activities (floor elevation, bench height, cycle times of fleet, mug pile condition, clean-ups, road condition, loading site, visibility, HIRA's Tons per hour, constructing of ramps, grade control)
-
- Controlling of measuring, cleaning, bag, tag of a drill holes and square off the pattern.
 - Pro – active in preparation, cleaning and demarcation of next pattern.
 - Evacuation of drill Rig when blasting is in place.
-
- Comply with the daily line – up and signing book when task is completed
-
- Comply to drill with water.
-
- Responsibility of storage of cones in the red container next to the old
 - White house.

Reference

Mr. Mark Beukes Senior Foreman
0836911877

Mr. Mothobi Mokatsane
Pit Superintendent Drill and Blast
0715891500/0824624885

Mr Jack Olyn
Safety Officer 0722189365

REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
MINERALS AND ENERGY



REPUBLIEK VAN SUID-AFRIKA
DEPARTMENT VAN
MINERALE EN ENERGIE

No. 9053

BLASTING CERTIFICATE FOR OPENCAST MINES SKIETSERTIFIKAAT VIR OOPGROEFMYNE

Issued in terms of Regulations published in terms of the Minerals Act, 1991 (Act No. 50 of 1991), in force terms of Schedule 4 of the Mine Health and Safety Act, 1996 (Act No. 29 of 1996).

Uitgereik kragtens Regulasies uitgevaardig kragtens die Mineralwet, 1991 (Wet No. 50 van 1991), van krag kragtens Skedule 4 van die Wet op Gesondheid en Veiligheid in Myne, 1996 (Wet No. 29 van 1996).

I hereby certify that/Hierby sertifiseer ek dat

THEOPHOLUS AYANDA RARANE

(ID No. 7803055925985)

is authorised to conduct blasting operations and to perform the duties of a miner in accordance with the Regulations published in terms of the Minerals Act, 1991 (Act No. 50 of 1991), in force in terms of Schedule 4 of the Mine Health and Safety Act, 1996 (Act No. 29 of 1996).

gemagtig is om skietwerk te verrig en om pligte van 'n mynwerker uit te voer ooreenkomstig die Regulasies uitgevaardig kragtens die Mineralwet, 1991 (Wet No. 50 van 1991), van krag kragtens Skedule 4 van die Wet op Gesondheid en Veiligheid in Myne, 1996 (Wet No. 29 van 1996).

Issuing Authority/Uitreikende Owerheid

LEAGH
18 JUL 2006
PRINCIPAL OFFICER
MINERALS AND ENERGY

Date: 18 JUL 2006
Date:

Signature of holder
Handtekening van houer

GEOLOGIST

CURRICULUM VITAE

PERSONAL PROFILE

SURNAME	: VAN DER MERWE
FIRST NAMES	: CHRISTIAAN, HENDRIK
ID NUMBER	: 700330 5062 082
RESIDENTIAL ADDRESS	: NO. 15 SPRINBOKSTREET KURUMAN 8460
POSTAL ADDRESS	: P.O. BOX 1074 KURUMAN 8460
NASIONALITY	: R.S.A.
MARITAL STATUS	: SINGLE
CONTACT TEL NO	: Cell: 0714542658
EMAIL	: hvdchris@gmail.com
LANGUAGES	: AFRIKAANS ENGLISH
DRIVERS LICENSE	: CODE 08

Portfolio on work experience and informal training

Solly van der Merwe (BSc geol. UNISA, MSc geol. UOFS, Basin analysis of the Kalahari Manganese Basin) has been active as a geologist within the Northern-Cape district for the last 46 years. During 2001 he formed a company that operates under the name of Orex Exploration CC. Orex Exploration render its services to clients interesting in iron and manganese ore exploration in the Kalahari manganese basin as well as the Postmasburg iron and manganese field. We also focus on other minerals (sulphates) previously unexploited in the region (lead, copper and sink) as well as some diamond exploration. I started my career in geology with Orex exploration in June 2001 as a learner geological technical assistant where I was introduced to the basic skills of exploration geology (determining borehole coordinates from geological maps and the siting of boreholes using a Gps). As my experience increased, I was systematically trained in other disciplines of geology under direct mentorship of Solly. Through the years I gained valuable knowledge in the practical application of the subject over the wide spectrum of geology practiced in the Northern Cape. Underneath follows a list containing the different disciplines in which I received informal training and are currently applying in the performance of duties allocated to me:

- (a) Ground magnetometer surveys (including the compiling of magnetometer graphics and contour maps of mag readings as well as the interpretation of magnetometer and gravity anomalies).
- (b) The logging of percussion chips and diamond drill core.
- (c) Sample chain of custody.
- (d) Specific gravity calculations.
- (e) Compiling of borehole profiles from borehole logs.
- (f) Compiling of geological and contour (structural and isopach) maps.
- (g) Ground resistivity surveys.
- (h) Surface outcrop mapping. After I was familiarized with the general geological settings of the different areas by Solly and introduced to an archive of literature (in custody of Orex exploration, see list of peer reviewed journals below) about the subject, I was able to identify the different rock formations in the field. During field visits Solly would identify structural formations such as folding, faulting, thrusting, sinkholes and intrusive rocks (dolerite dykes and sills) and explain the geological implications that relates to these structures. The interpretation of surface outcrop mapping on the Maremane and Wolhaarkop domes is essential for the construction of a drilling program, and there for the success of any drilling campaign rely heavily on the accuracy of information revealed from surface mapping.
- (j) Practice in the calculation of ore resource by using the polygon method.
- (k) As Solly started his career in geology on diamond exploration for Selection Trust, I also gained valuable knowledge in that regard especially in the Postmasburg field.
- (l) The siting of water boreholes using different geophysical apparatus (magnetometer and resistivity meters) combined with the structural geology of the area.

Profession related education:

Academic records include a course in geology at the UJ, membership to the GSSA, geo-technical certificate through Geotron, SACNASP (approved by Council of geo-science but awaiting registration process).

EMPLOYMENT PROFILE (PRESENT)

PLACE (KURUMAN) : GAMAGARA RESOURCES Pty (Ltd)
PERIOD : 01/03/2017 (current)
POSITION : DIRECTOR

Clients:

Autumnskies:

Kapstewel:

Duties allocated: general geology, guide manganese mining

Afrimat:

Demaneng:

Duties allocated: general geology, guide manganese mining

DVD engineering:

Boskop manganese ore project:

Duties allocated prior to mining: Surface outcrop mapping which involve stratigraphic rock identification, strike and dip recordings from which as geological surface plan was generated.

Current duties: Guide all mining activities, grade control

Capacity: Production Manager.

Strata Africa Resources:

East:

Duties allocated: All geological work.

Capacity: Manage exploration project.

I also render my services to Orex Exploration.

EMPLOYMENT PROFILE (CONTINUE)

PLACE : OREX EXPLORATION (KURUMAN)

PERIOD : 01/06/2001-2014/01/27 (current)

Clients I engaged with at Orex Exploration:

Aeromat:

Mukulu:

Duties allocated: Sub-outcrop ground magnetic survey, Siting of boreholes, percussion and diamond drill logging

Capacity: Technical geological field assistant.

Afrimat:

Demaneng:

Duties allocated: general geology, guide manganese mining

Capacity: Technical geological assistant.

Amari:

Portion 8 of the farm Mamatwan:

Duties allocated: Sub-outcrop ground magnetic survey, Siting of boreholes, percussion and diamond drill logging

Capacity: Technical geological field assistant.

Baosteel:

Baosteel iron and manganese ore deposits exploration project on the farm Kameelhoek (portion 477 and 478.):

Duties allocated: Surface outcrop mapping of the area, Ground magnetic survey, Identify possible targets, assist in planning boreholes to be drilled on targets, site boreholes in the field, report on drilling progress made, log of boreholes, sample chain of custody, capture all borehole data in electronic format, interpretation of borehole data by compiling borehole sections from mapping, logs and assays received, assist in calculating an inferred ore resource.

Capacity: Technical geological field assistant.

Farm Adams:

Duties allocated: Sub-outcrop ground magnetic survey, siting and logging of boreholes.

Capacity: Technical geological field assistant.

Burk mine (Diro Resources):

Demaneng iron ore exploration project:

Duties allocated: Siting of boreholes to be drilled from previous mapping, detailed infill mapping on existing targets and potential unexploited targets, update of maps by using

caddie 14, logging and sample chain of custody of all percussion and diamond drill boreholes. Interpretation of borehole data (logs and assays received) by compiling borehole profiles.

Capacity: Technical geological field assistant.

Eurasian Natural Resources Corporation:

Kadgame iron and manganese exploration:

Duties allocated: Surface outcrop mapping, borehole logging, and chip sampling, sample chain of custody.

Capacity: Technical geological field assistant.

Gralio:

Kapstevel and Manganore:

Duties allocated: Surface outcrop mapping, compiling of geology maps.

Capacity: Technical geological field assistant.

Minerco:

Kareepan:

Duties allocated: Surface outcrop mapping, compiling of geology maps.

Capacity: Technical geological field assistant.

Mzamani:

Kadgami:

Duties allocated: Logging and sampling of percussion borehole chips, mapping.

Capacity: Technical geological field assistant.

National Manganese Mines:

The Morokwa Manganese exploration project:

Duties allocated: Surface outcrop mapping, Compiling of surface geology maps and profiles from surface mapping, Siting, logging and sampling of borehole chips, Compiling borehole profiles, Assist in calculating an inferred our resource.

Capacity: Technical geological field assistant.

Northern Cape Manganese:

Farms Kongoni and Telele:

Duties allocated: Sub-outcrop ground magnetics on the farms Kongoni and Telele, The occasional percussion and diamond drill logging.

Capacity: Technical geological field assistant.

SAMANCOR:

Sub-outcrop exploration project on the farms Rissik, Smartt and Botha:

Duties allocated: Percussion drill logging and sampling, diamond drill logging and sampling, siting of boreholes, the compiling of contour maps (structural and isopach contours), the compilation of geological maps and profiles, ground magnetic survey, density calculation.

Capacity: Learner technical geological field assistant.

Wessels manganese mine:

Duties allocated: Percussion drill logging and sampling, diamond drill logging and sampling, siting of boreholes, the compiling of borehole profiles and contour maps.

Capacity: Learner technical geological field assistant.

Royal Bafokeng Resources:

The farm Doornfontein:

Duties allocated: Mapping, Assist in planning of borehole program.

Capacity: Technical geological field assistant.

Sebilo Resources:

The farm Perth:

Duties allocated: Siting and logging of boreholes.

Capacity: Technical geological field assistant.

Timasani:

Farm Helpebietjie:

Duties allocated: Siting, mapping, logging and sampling of percussion boreholes, diamond drill logging and ground magnetics.

Capacity: Technical geological field assistant.

United Manganese of the Kalahari:

Farms Rissik, Smartt and Botha:

Duties allocated: The siting and logging of boreholes.

Capacity: Technical geological field assistant.

Water boreholes

Our company also site water boreholes on a non-profitable basis to individuals, farmers and businesses.

I received training in the above by identifying geological structures from satellite photos, and 1:250 000 geological maps, recording coordinates of these structures. Locate the structures in the field and test the presence by magnetometer and resistivity ground surveys.

REFERENCES

1. MR SOLLY VAN DER MERWE
OREX EXPLORATION
TEL NO: 053 7122 675
CELL NO: 082 774 6662



herewith certifies that

Christiaan Hendrik van der Merwe

Registration number: 300349/18

is registered as a

Certificated Natural 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)

Geological Science

Effective 24 January 2018

Expires 31 March 2019



Botha

President

R. J. van der Merwe

Executive Director

APPENDIX 2 Loan Agreement

FCL

16 August 2022

CONTRACTUAL AGREEMENT

I, Felicity Cecelia Links hereby confirms an agreement with Wilhelmina Du Plessis for the amount of R180 000.00 as a loan to fund the prospecting operations of FCL.

This is a loan that is payable over a 12-month period.

SIGNED AT SPRINGBOK ON THIS 19th DAY OF AUGUST 2022.



Ms. F. Links



Ms. W. Du Plessis

Director: F. Links
Mobile: +2784 4487 008
Email: flinks3@gmail.com / felicitylinks@yahoo.com

Proof of Financial Ability



FNB
First National Bank

how can we help you?

FNB Statement Reference: 30/06/2022

Reference Number: SMT217137558

To verify this statement, please keep the above reference number and the client's ID number/individual account number on hand. Visit www.fnb.co.za under 'Contact us' - 'Check the status, follow up on this Statement and follow Emergency Instructions. The reference number is valid for a maximum of 3 months.

Client Details:

WEST 180 051548

KOPANO KE MATLA TRUST
SUITE 631
P BAG X29
GALLO MANOR
2052



10 JUN 2022

Statements
250-655

Branch Address: P O Box 62164
Marshalltown 2107

Street Address: FNB Private Wealth Sandton
5 Merchant Place, 9 Fredman Drive

Universal Branch Code: 250655

Servicesuite: servicesuite@fnbprivatewealth.co.za

Website: fnb.co.za

Lost Cards: (087) 730 8000

Account Enquiries: +27 (0)11 245 5080

Relationship Manager: Kagiso Ntuli
kagiso.ntuli@fnb.co.za
(087) 736-2053

Customer VAT Registration Number: Not Provided

Bank VAT Registration Number: 4210102051

FNB Single Facility: 62143818814

Tax Invoice/Statement Number: 180

Statement Period: 6 May 2022 to 6 June 2022

Statement Date: 6 June 2022

Statement Balances		Bank Charges	
Opening Balance	8,742,295.40 Dr	Service Fees	529.00 Dr
Closing Balance	4,303,116.94 Dr	Cash Deposit Fees	0.00
# Inclusive of VAT @ 15.00%	99.65 Dr	Cash Handling Fees	0.00
Total VAT (ZAR)	99.65 Dr	Other Fees	235.00 Dr

Transactions in RAND (ZAR)

Date	Description	Amount	Balance	Accrued Bank Charges
20 May	FNB OB Tr FNB OB Tr Tr 5 -Stvo20/52	7,366,880.00 Cr	1,355,406.40	
24 May	FNB OB Prt FNB OB 00000056 Sr	1,000,900.00	2,355,406.40	
30 May	FNB OB Prt FNB OB 00000057 Sr	1,000,900.00	3,355,406.40	
31 Jun	FNB OB Prt FNB OB 00000058 Sr	1,000,900.00	4,355,406.40	
24 Jun	# Monthly Subscription Fee	235.00	4,330,071.40	
24 Jun	Madape Credit FNB SF 0982143818814	82,311.50 Cr	4,275,989.90	
24 Jun	Int Dr Debit Balance	29,228.04	4,302,087.94	
30 Jun	# Monthly Account Fee	529.00	4,303,116.94	
Closing Balance			4,303,116.94 Dr	

Turnover for Statement Period	
No. Credit Transactions 2	7,468,171.50 Cr
No. Debit Transactions 6	3,029,992.04 Dr