

# S102 APPLICATION FOR EXISTING MINING RIGHT BARBERTON MINES LIMITED FAIRVIEW SECTION MINING RIGHT: MP 30/5/1/2/2/10221 MR (191 MR)

PLAN COMPILED IN ACCORDANCE WITH REGULATION 2(2) OF THE  
MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT, 2002 (ACT 28 OF 2002)

THE FIGURE SPEAR1 SPEAR2 MISS E2 JOEP D4257 LA92 LA72 11 12 D4071 D4038 D4039 D4040 D4041 D4042 D4030  
D4031 D4196 D329 D1240 D576 D4197 D4198 D4199 D4269 D4268 LA375 V1 LA258 LA374 LA257 35 SK1 SPEAR1  
REPRESENTS A MINING RIGHT AREA MEASURING IN EXTENT 2942,4696 HECTARES COMPRISING THE FOLLOWING FARMS

OLD FARM DESCRIPTION	NOW KNOWN AS
<b>WHOLE OF THE FARM</b>	<b>PORTIONS OF THE FARM</b>
LOT 123 SECTION A KAAP BLOCK	PORTION OF THE FARM SHEBA 949-JU
LOT 124 SECTION A KAAP BLOCK	PORTION OF THE FARM SHEBA 949-JU
WORRAL 352-JU	WORRAL 352-JU
<b>PORTIONS OF THE FARM</b>	<b>PORTIONS OF THE FARM</b>
LOT 119 SECTION A KAAP BLOCK	PORTION OF THE FARM SHEBA 949-JU
LOT 120 SECTION A KAAP BLOCK	PORTION OF THE FARM SHEBA 949-JU
LOT 136 SECTION A KAAP BLOCK	PORTION OF THE FARM SHEBA 949-JU
LOT 137 SECTION A KAAP BLOCK	PORTION OF THE FARM SHEBA 949-JU
LOT 138 SECTION A KAAP BLOCK	PORTION OF THE FARM SHEBA 949-JU
LOT 140 SECTION A KAAP BLOCK	PORTION OF THE FARM SHEBA 949-JU
LOT 141 SECTION A KAAP BLOCK	PORTION OF THE FARM SHEBA 949-JU
LOT 142 SECTION A KAAP BLOCK	PORTION OF THE FARM SHEBA 949-JU
LOT 143 SECTION A KAAP BLOCK	PORTION OF THE FARM SHEBA 949-JU
LOT 144 SECTION A KAAP BLOCK	PORTION OF THE FARM SHEBA 949-JU
LOT 126 SECTION A KAAP BLOCK	PORTION OF THE FARM MIMOSA 557-JU
HAYWARD 310-JU	PORTION OF THE FARM HAYWARD 310-JU
BICKENHALL 346-JU	PORTION OF THE REMAINDER OF THE FARM BICKENHALL 346-JU

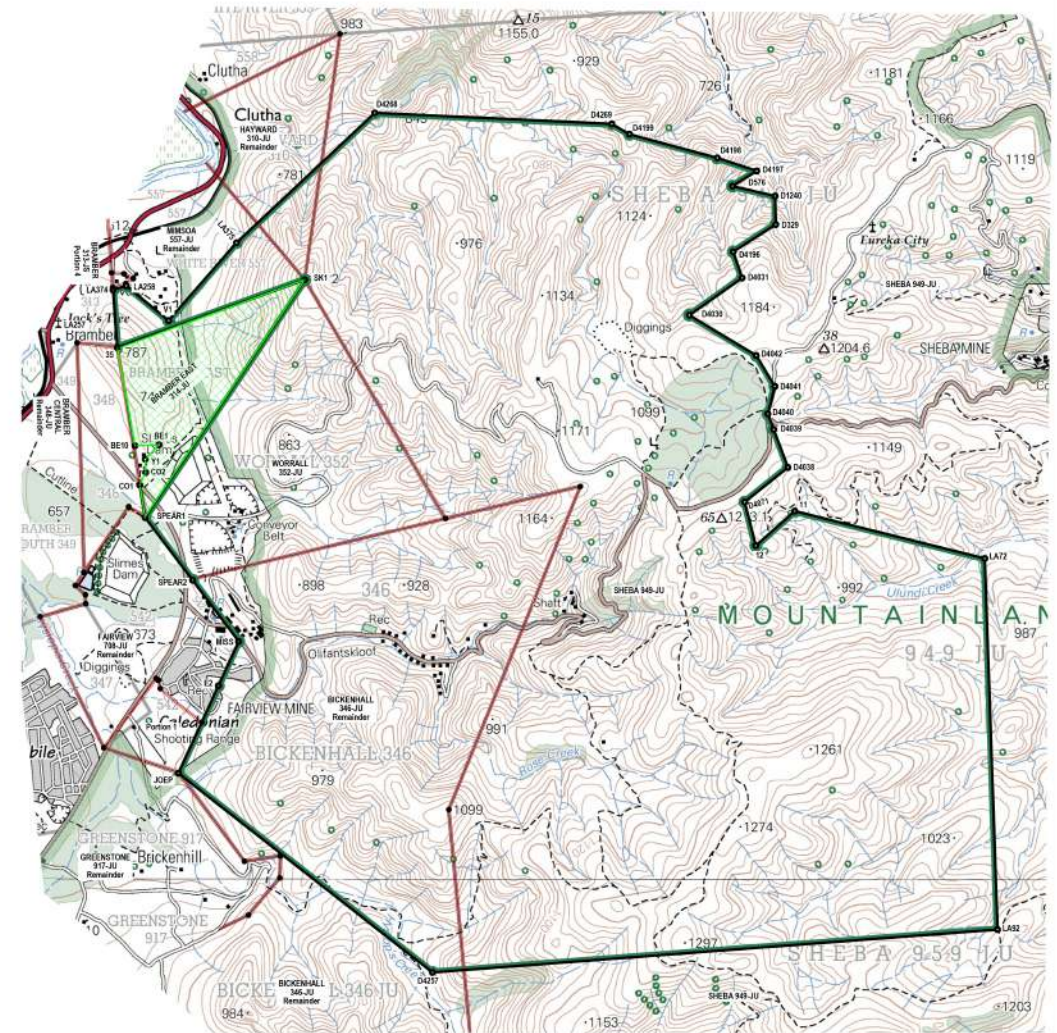
SITUATED IN THE MAGISTERIAL DISTRICT OF BARBERTON, MPUMALANGA PROVINCE, FOR WHICH  
BARBERTON MINES LIMITED, REGISTRATION NUMBER 1938/011761/07 WAS GRANTED A MINING RIGHT.

THE APPLICATION IS HEREBY MADE FOR AN AMENDMENT IN TERMS OF SECTION 102 OF  
THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT TO EXTEND THE MINING  
RIGHT AREA BY THE ADDITION OF THE FOLLOWING FIGURE 35 SK1 SPEAR1 CO1 CO2 Y1 BE1  
BE10 35 MEASURING IN EXTENT OF 91,3947 HECTARES COMPRISING THE FOLLOWING FARMS

OLD FARM DESCRIPTION	NOW KNOWN AS
<b>PORTION OF THE FARM</b>	<b>PORTION OF THE FARM</b>
BRAMBER EAST 314-JU	PORTION OF THE FARM BRAMBER EAST 314-JU

THE UPDATED EXTENT MEASURES 3033,8643 HECTARES

CO-ORDINATES Clark 1880 mod Cape Datum Y System: CO11 X METERS		CO-ORDINATES WGS 84 Hartbeesthoek Y System: WGS11 X METERS			
SPEAR 1	- 6 834.34	2 846 128.07	SPEAR 1	- 6 814.72	2 846 426.33
SPEAR 2	- 7 180.33	2 846 597.50	SPEAR 2	- 7 170.71	2 846 895.77
MISS	- 7 535.16	2 847 056.14	MISS	- 7 515.54	2 847 354.41
E2	- 7 383.51	2 847 587.77	E2	- 7 363.88	2 847 866.04
JOEP	- 7 084.24	2 848 042.44	JOEP	- 7 064.61	2 848 340.71
D4257	- 8 886.75	2 849 533.85	D4257	- 8 867.12	2 849 832.14
LA92	- 13 218.64	2 849 213.11	LA92	- 13 199.03	2 849 511.43
LA72	- 13 122.45	2 846 434.80	LA72	- 13 102.86	2 846 735.10
11	- 11 702.00	2 846 060.00	11	- 11 682.40	2 846 378.28
12	- 11 407.47	2 846 338.61	12	- 11 387.87	2 846 636.90
D4071	- 11 325.55	2 846 011.89	D4071	- 11 305.95	2 846 310.18
D4038	- 11 649.05	2 845 753.24	D4038	- 11 629.45	2 846 051.53
D4039	- 11 542.11	2 845 468.88	D4039	- 11 522.51	2 845 767.17
D4040	- 11 468.30	2 845 550.44	D4040	- 11 478.71	2 845 850.73
D4041	- 11 550.37	2 845 146.78	D4041	- 11 530.78	2 845 445.07
D4042	- 11 410.95	2 844 915.30	D4042	- 11 391.36	2 845 215.59
D4030	- 10 819.22	2 844 913.59	D4030	- 10 800.63	2 844 911.87
D4031	- 11 306.28	2 844 334.84	D4031	- 11 286.69	2 844 633.12
D4196	- 11 239.39	2 844 139.36	D4196	- 11 219.59	2 844 427.64
D329	- 11 557.49	2 843 934.68	D329	- 11 537.90	2 844 232.96
D1240	- 11 552.56	2 843 721.40	D1240	- 11 532.98	2 844 019.68
D576	- 11 233.74	2 843 947.11	D576	- 11 214.16	2 843 945.39
D4197	- 11 415.08	2 843 533.53	D4197	- 11 395.50	2 843 831.81
D4198	- 11 119.32	2 843 438.82	D4198	- 11 099.74	2 843 734.10
D4199	- 10 461.69	2 843 258.76	D4199	- 10 452.10	2 843 557.06
D4269	- 10 329.37	2 843 181.23	D4269	- 10 309.78	2 843 479.50
D4268	- 11 518.59	2 843 089.43	D4268	- 11 501.89	2 843 397.69
LA375	- 7 518.59	2 844 071.25	LA375	- 7 498.98	2 844 369.51
V1	- 6 701.85	2 844 653.41	V1	- 6 691.24	2 844 951.67
LA258	- 6 683.83	2 844 393.33	LA258	- 6 674.22	2 844 691.48
LA374	- 6 594.05	2 844 423.95	LA374	- 6 574.44	2 844 722.23
LA257	- 6 619.51	2 844 765.50	LA257	- 6 599.90	2 845 063.75
35	- 6 626.70	2 844 856.49	35	- 6 607.08	2 845 154.74
SK1	- 6 626.33	2 844 356.58	SK1	- 6 606.72	2 844 954.87
<b>FARM PORTION TO BE INCLUDED</b>					
35	- 6 626.70	2 844 856.49	35	- 6 607.08	2 845 154.74
SK1	- 6 626.33	2 844 356.58	SK1	- 6 606.72	2 844 954.87
SPEAR 1	- 6 834.34	2 846 128.07	SPEAR 1	- 6 814.72	2 846 426.33
CO1	- 6 734.55	2 845 194.69	CO1	- 6 714.83	2 845 183.15
CO2	- 6 839.49	2 845 791.87	CO2	- 6 819.83	2 846 092.13
Y1	- 6 835.94	2 845 932.24	Y1	- 6 816.32	2 845 990.50
BE1	- 6 835.37	2 845 933.18	BE1	- 6 818.75	2 845 981.44
BE10	- 6 759.00	2 845 930.00	BE10	- 6 739.38	2 845 888.26



**NAME OF COMPANY**  
BARBERTON MINES LIMITED  
REGISTRATION NUMBER  
1938/011761/07

**PLAN APPROVED**

**REGIONAL MANAGER**  
MPUMALANGA  
DEPARTMENT OF  
MINERAL RESOURCES  
AND ENERGY

DATE: \_\_\_\_\_

**NAME OF APPLICANT : BARBERTON MINES LIMITED**  
G.MOSS - GENERAL MANAGER

SIGNED: \_\_\_\_\_

DATE: \_\_\_\_\_

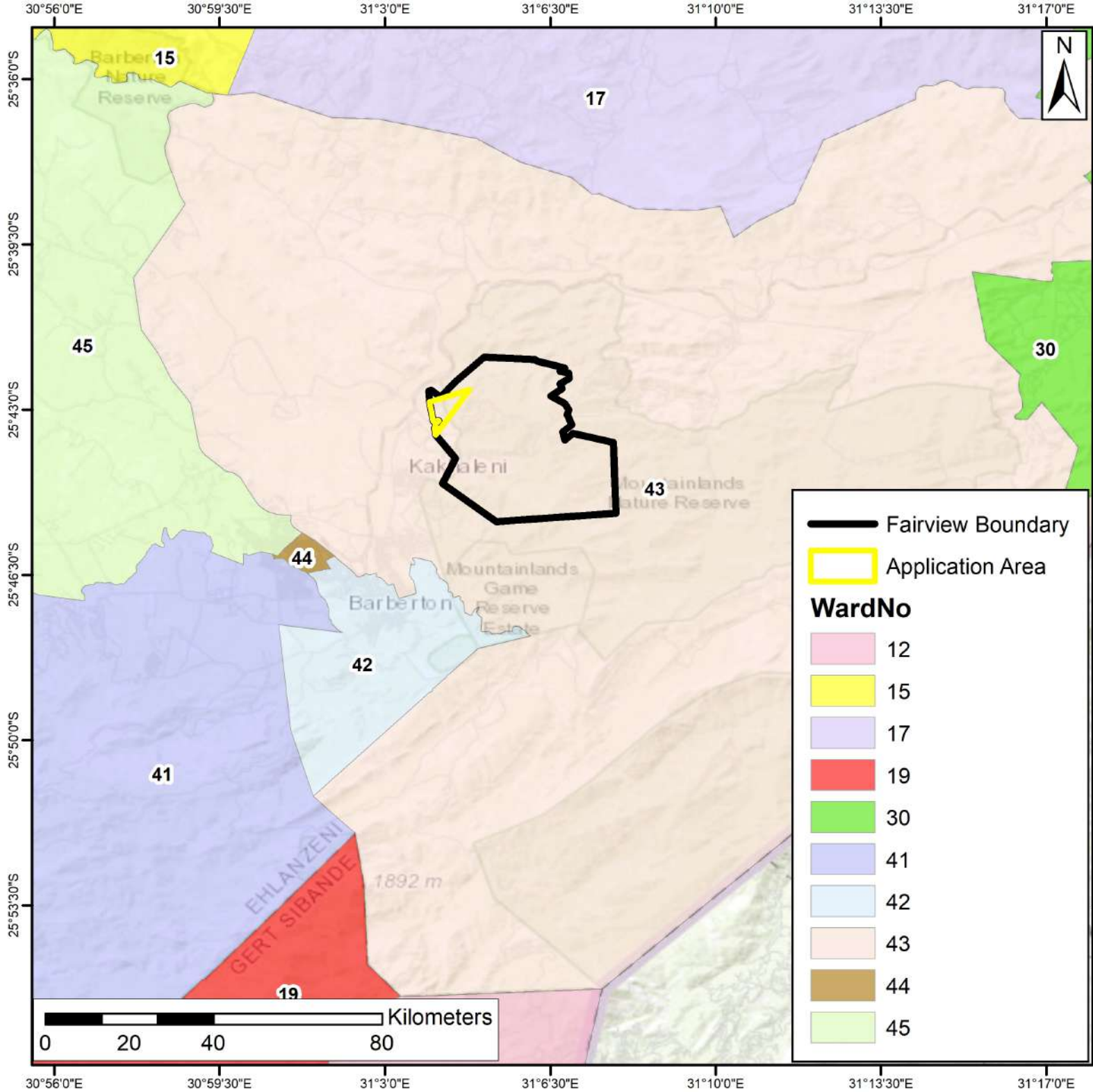
**DU PREEZ & ASSOCIATES**  
LAND SURVEYORS

H.O. DU PREEZ (P.810703)  
PROFESSIONAL LAND SURVEYOR

127 Pinedale Street  
Midrand, Gauteng 2011 | P.O. Box 402  
Midrand 2018 | Call 081 636 1430 Fax: 081 636 4883  
gdp@dupreez.co.za



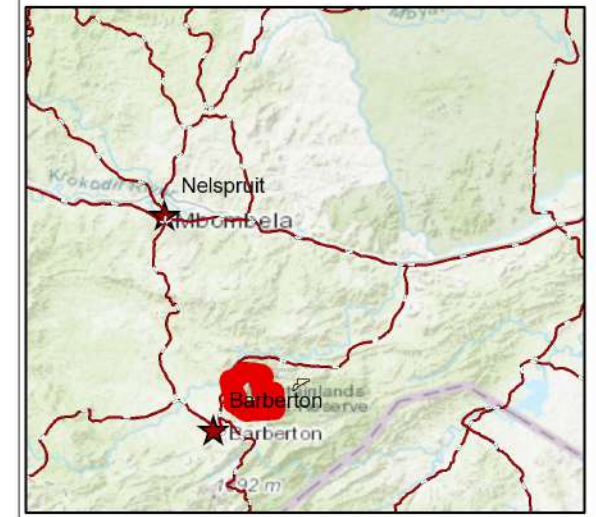
EXISTING MINING RIGHT BOUNDARY  
APPLICATION AREA  
FARM SUBDIVISIONS  
ROADS



# Ward Demarcation

## Fairview Mine

**Data Source:**  
Municipal Demarcation Board

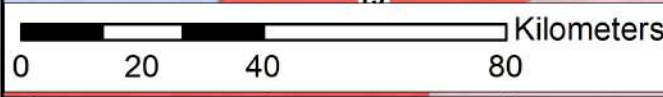


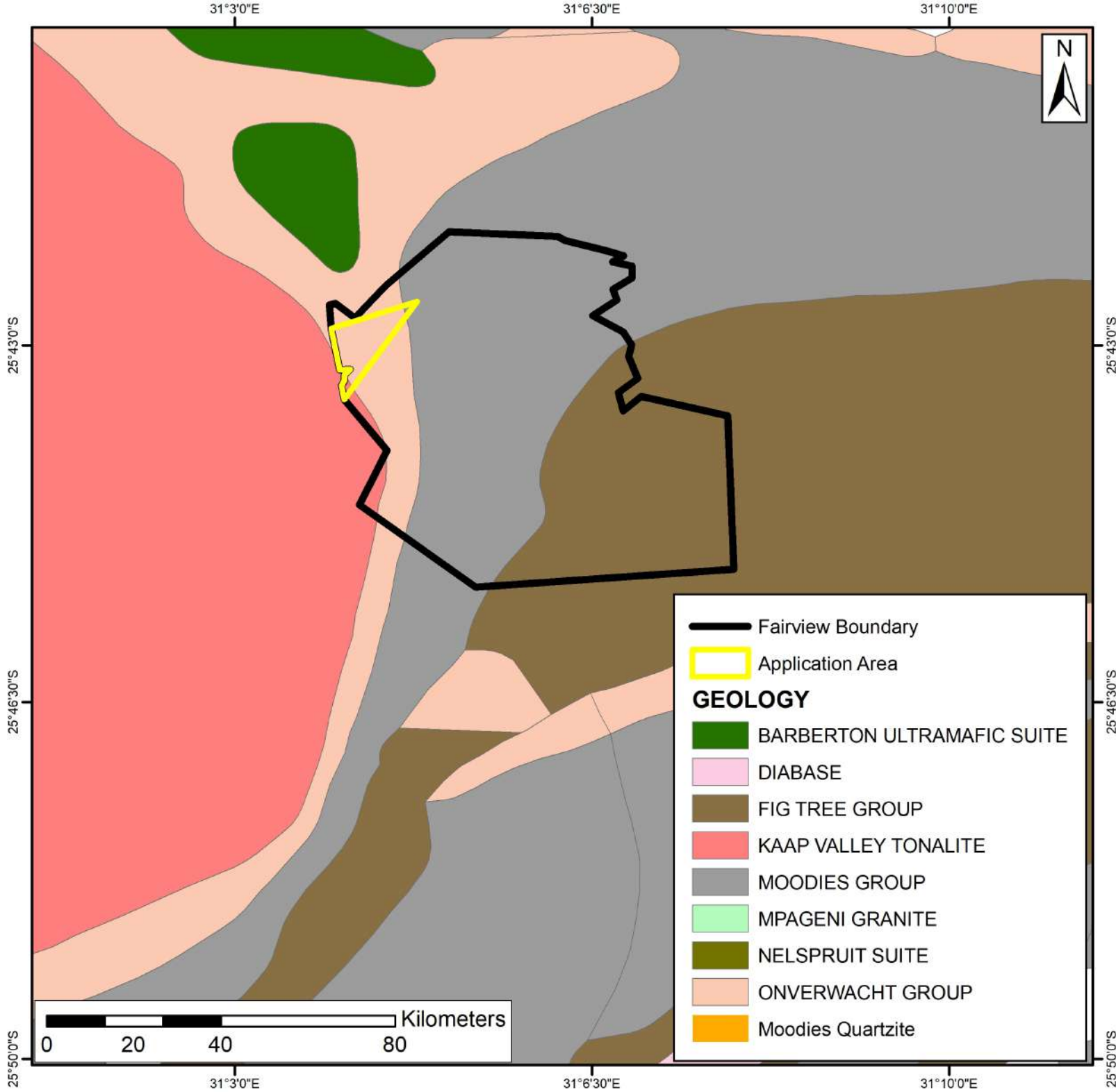
**Coord System:** GCS WGS 1984  
**Datum:** WGS 1984  
**Units:** Degrees

**Prepared by:**  
**Shango Solutions**  
Excellence and Innovation in the Resources Industry

**Legend**

- Fairview Boundary
- Application Area
- WardNo**
- 12
- 15
- 17
- 19
- 30
- 41
- 42
- 43
- 44
- 45

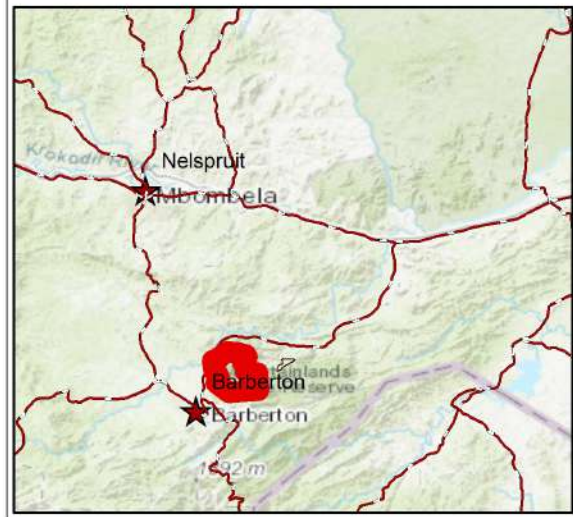




# Geology

Fairview Mine

**Data Source:**  
Council for Geoscience



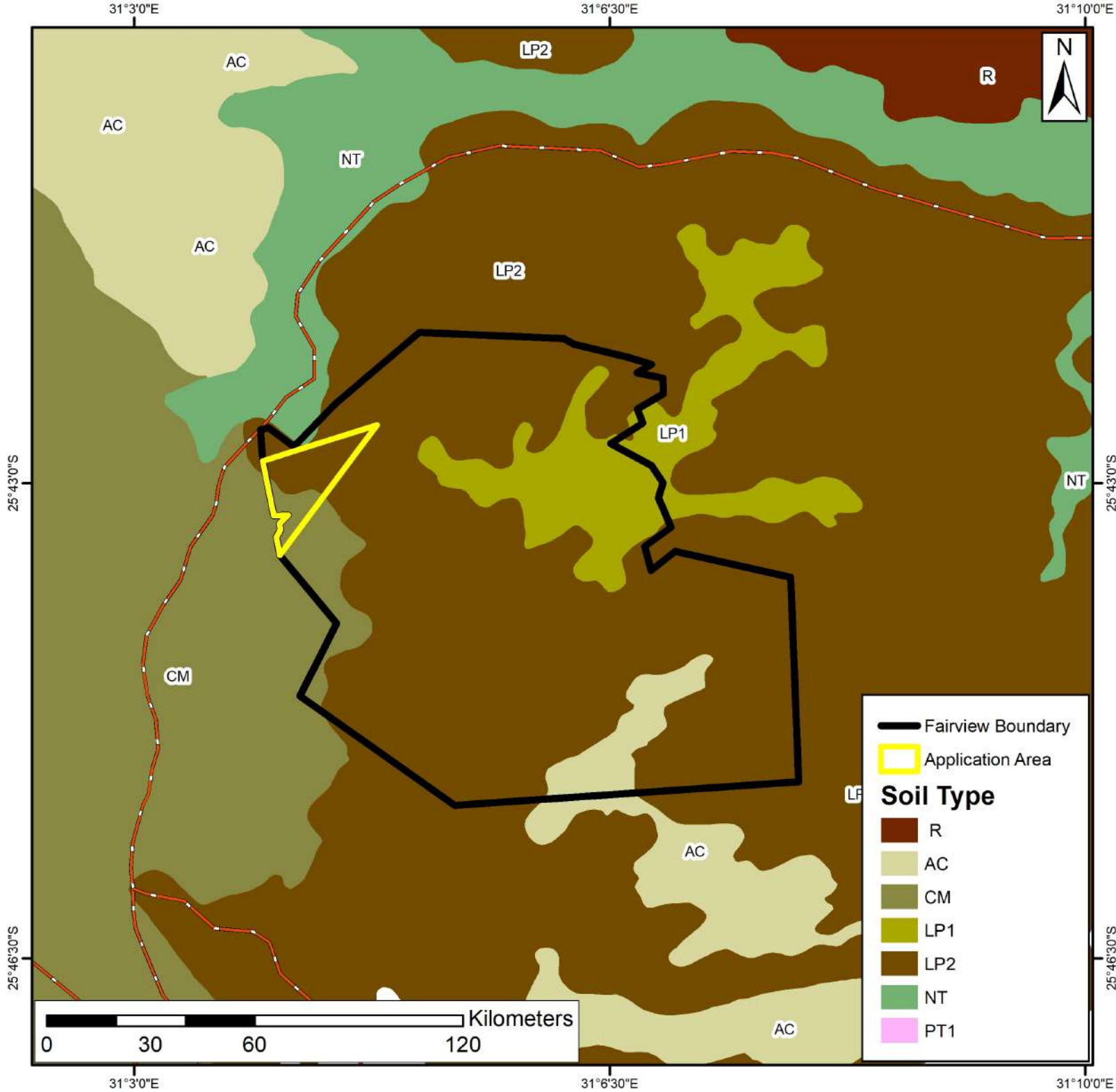
Coord System: GCS WGS 1984

Datum: WGS 1984

Units: Degrees

Prepared by:



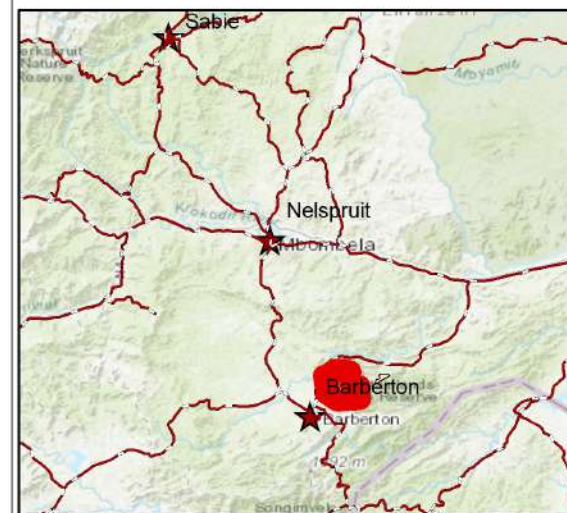


# Soil Type

Fairview Mine

**Data Source:**

Department of Agriculture, Forestry and Fisheries (DAFF)



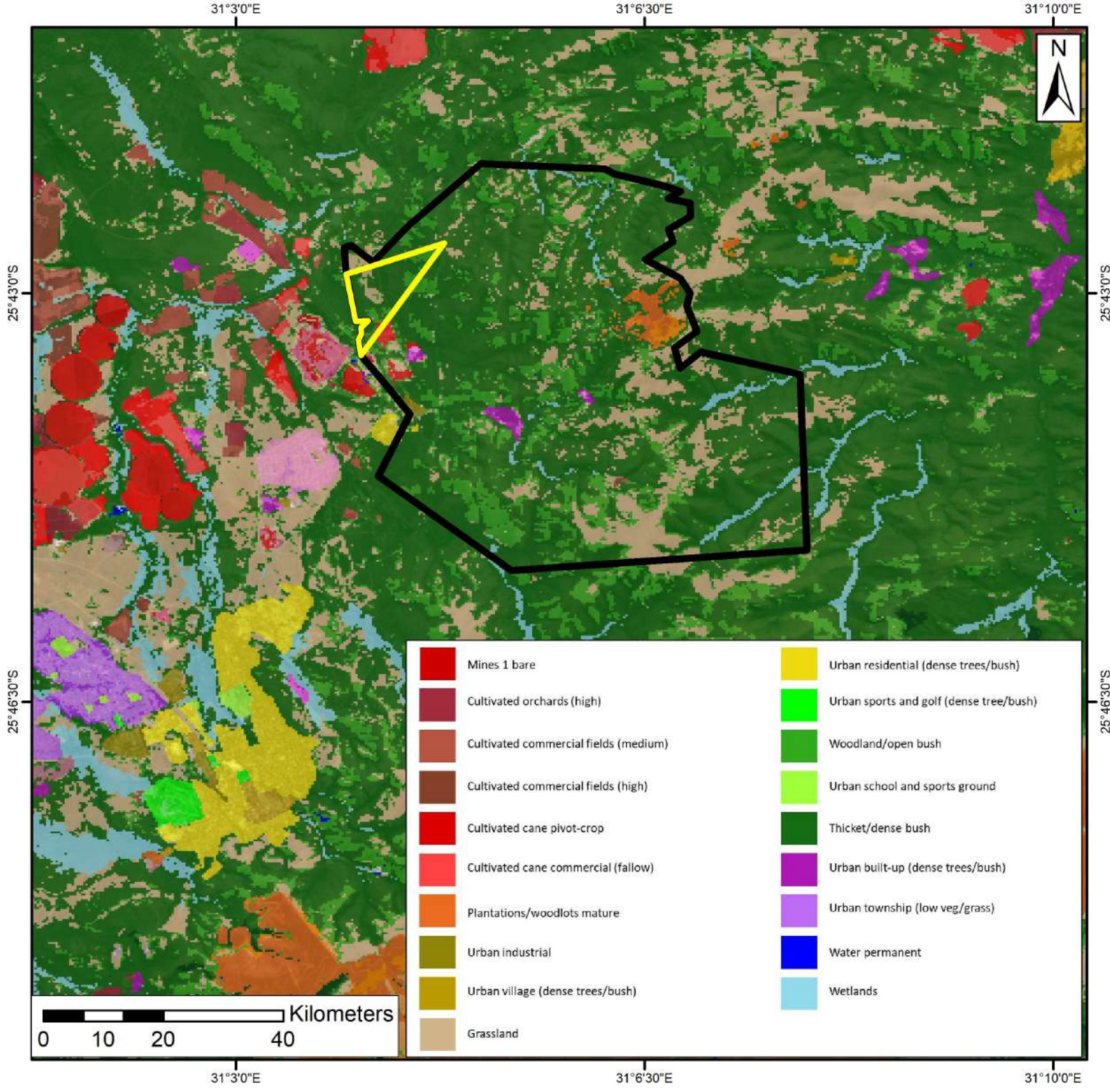
Coord System: GCS WGS 1984

Datum: WGS 1984

Units: Degrees

Prepared by:





# Land Use Cover

## Fairview Mine

- Fairview Boundary
- Application Area

**Data Source:**  
South African National Biodiversity Institute (SANBI)



Coord System: GCS WGS 1984  
Datum: WGS 1984  
Units: Degrees

Prepared by:

**Shango Solutions**  
Excellence and Innovation in the Resources Industry

31°6'30"E

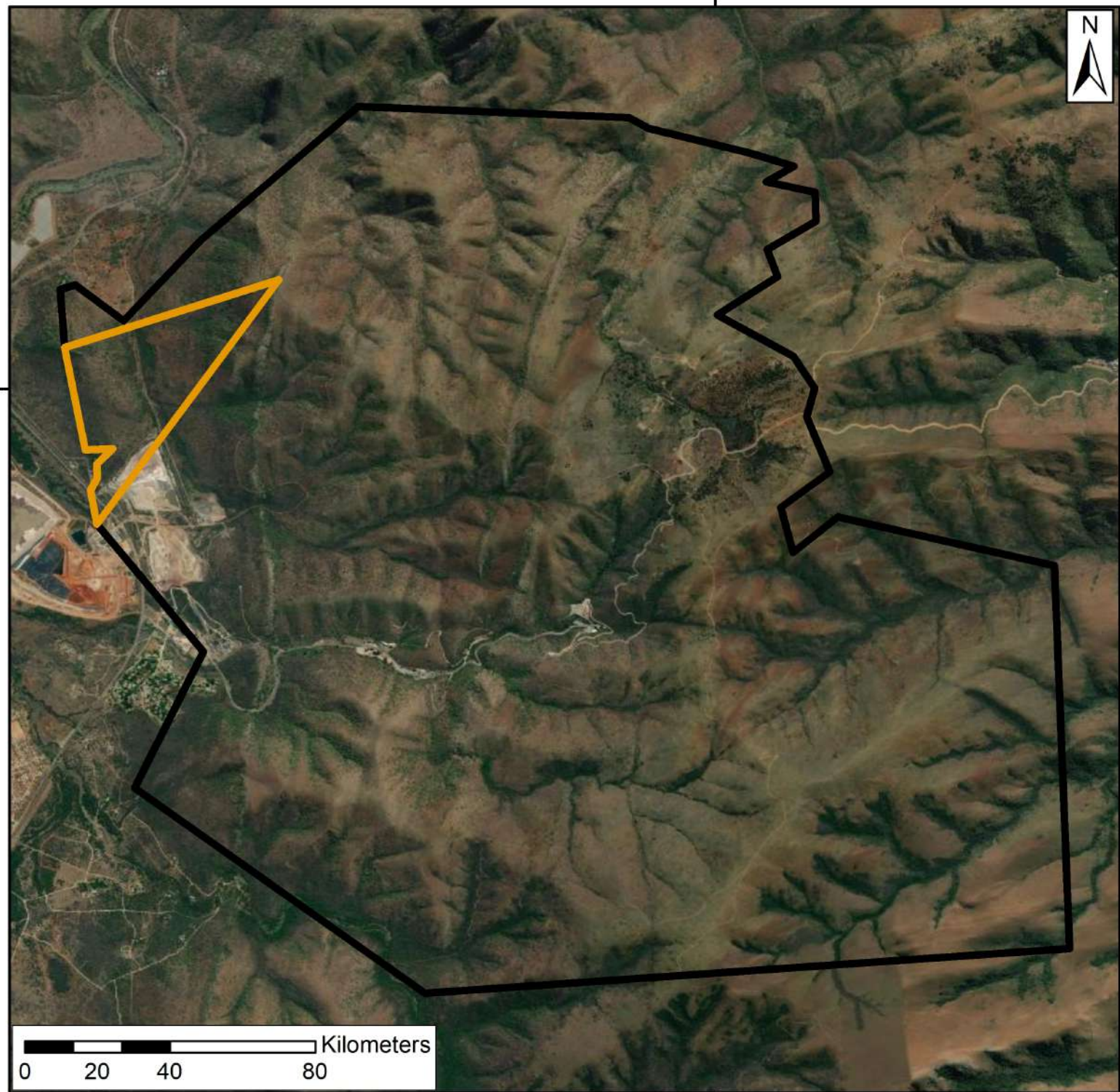


# Surface Layout

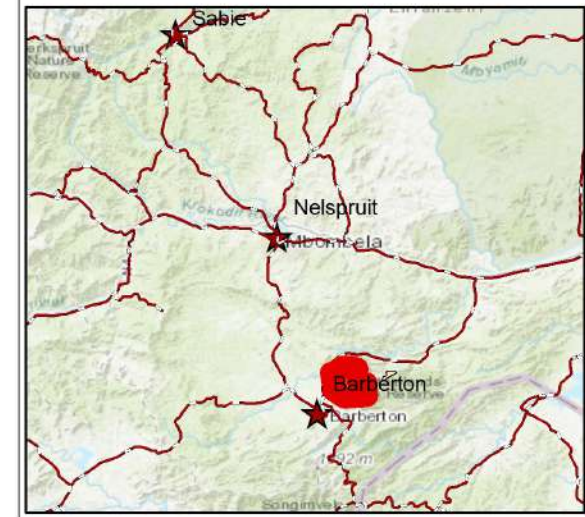
Fairview Mine

-  Fairview Boundary
-  Application Area

25°43'0"S



25°43'0"S



Coord System: GCS WGS 1984  
 Datum: WGS 1984  
 Units: Degrees

Prepared by:



31°6'30"E

# Fairview Mine: Operations plan showing underground workings at 30 June 2023



MINING RIGHT AREA 3,033.8643HA

Local coordinate system: LO31  
Datum: Cape



### Legend

- Bramber 314 JU
- Underground development and stoping
- Shafts
- Bh. No. and surface position
- Measured Mineral Resources
- Indicated Mineral Resources
- Inferred Mineral Resources
- Faults
- Dykes
- Barberton Mines' mining right
- Slimes dam
- Built-up areas
- Farm boundaries

WORRALL 352 JU

BICKENHALL 346 JU

New Fairview Shaft

11L Adit

Fairview Adit

SHEBA MINE

Main Shaft

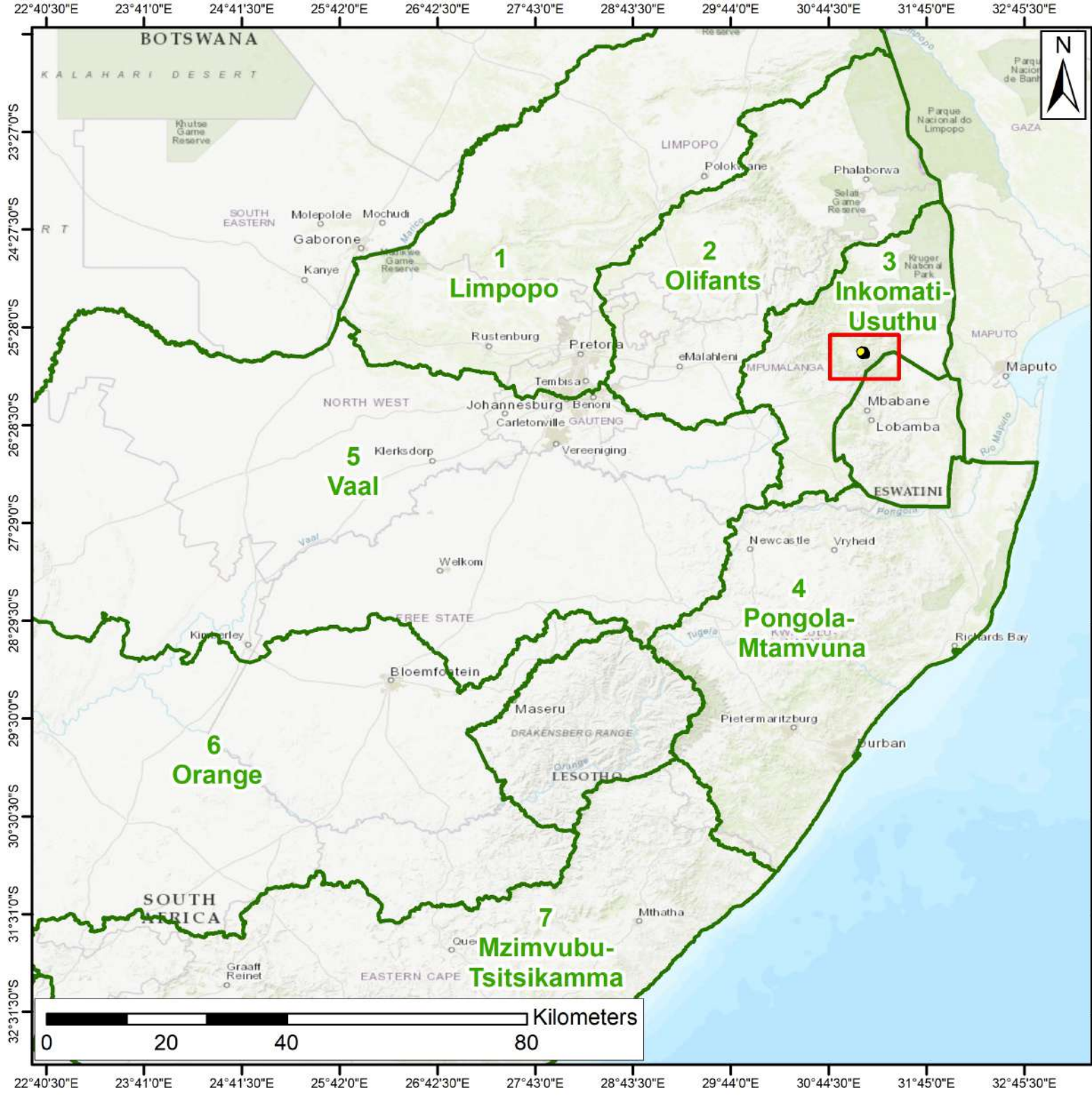
New Fairview Shaft

11L Adit Fairview Adit




FAIRVIEW MINE

Bramber Slimes Dam

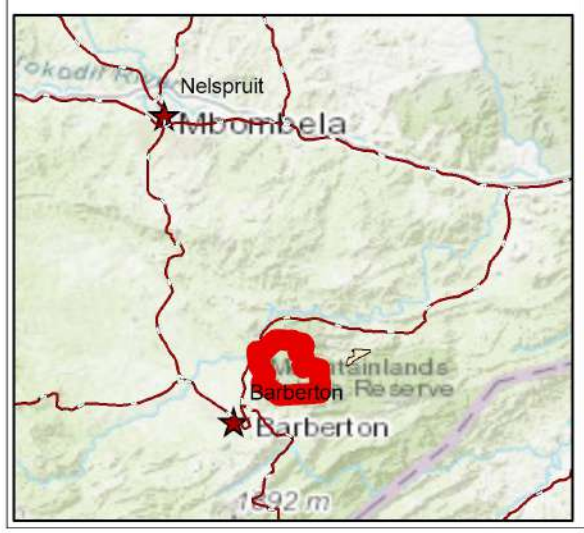
SHEBA 949 JU



# Water Management Areas

-  Fairview Boundary
-  Water Management Areas
-  Application Area

**Data Source:**  
 Deptment of Water and Sanitation



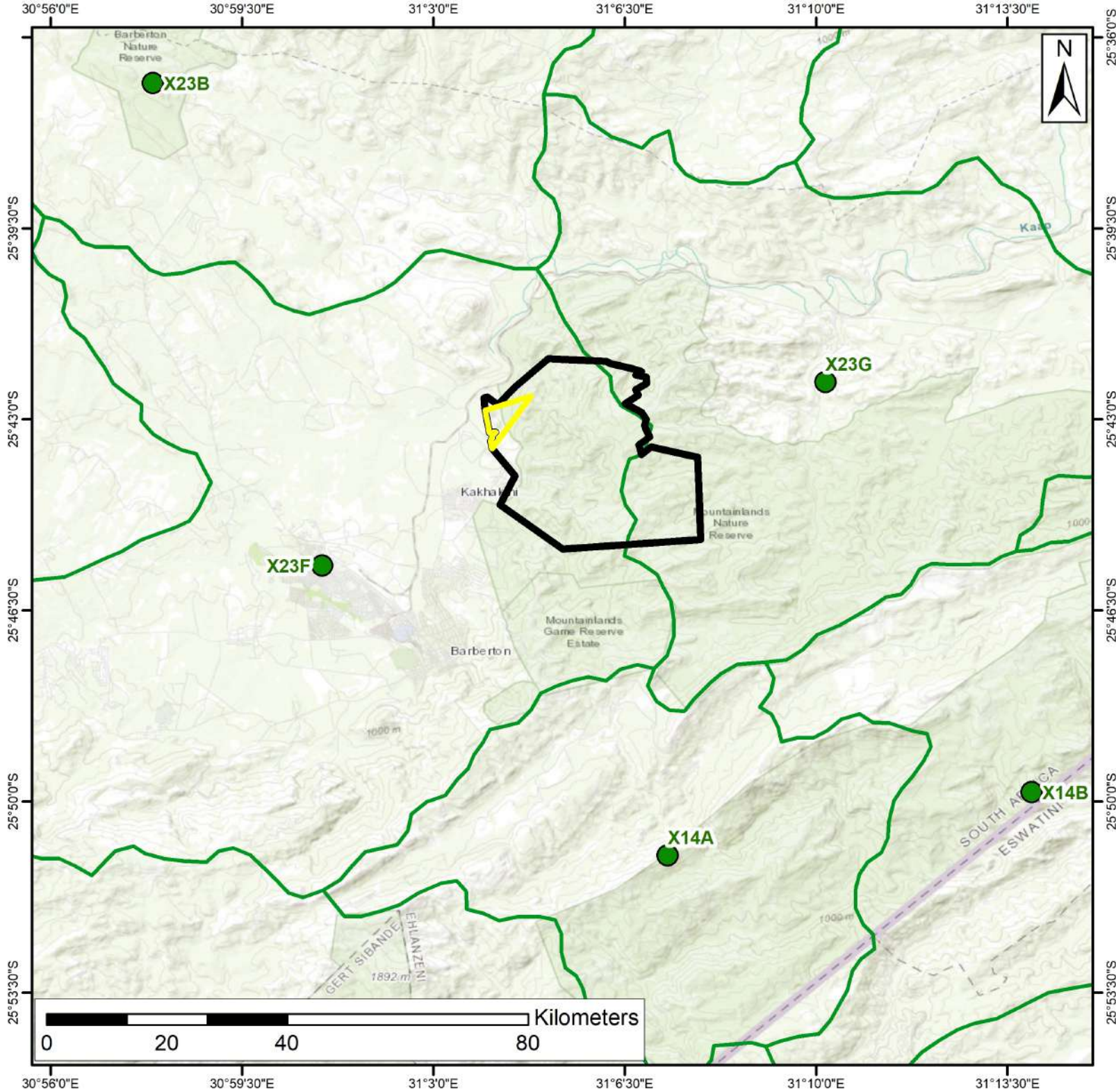
Coord System: GCS WGS 1984  
 Datum: WGS 1984  
 Units: Degrees

Prepared by:





**Shango Solutions**  
*Excellence and Innovation in the Resources Industry*



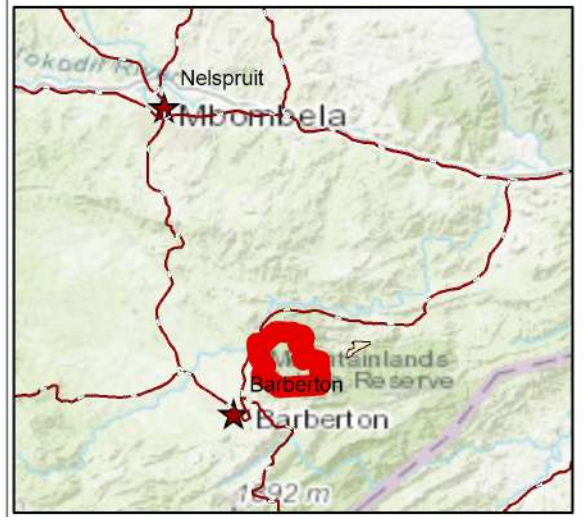


# Quarternary Catchment

Fairview Mine

-  Fairview Boundary
-  Quaternaries Boundary
-  Application Area

**Data Source:**  
Department of Water and Sanitation

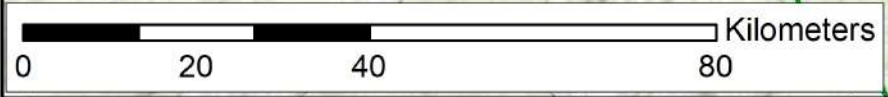


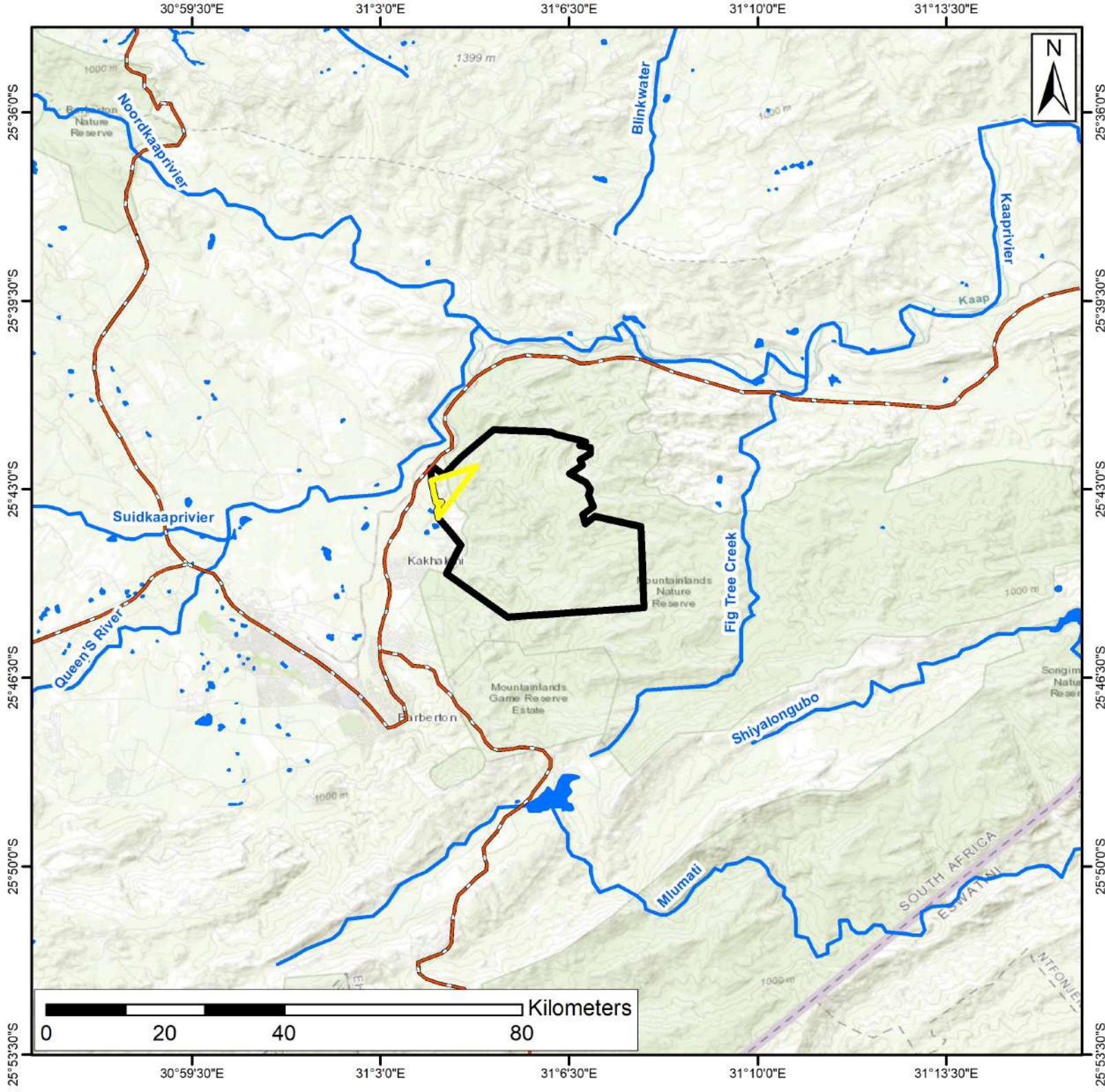
Coord System: GCS WGS 1984  
Datum: WGS 1984  
Units: Degrees

Prepared by:



**Shango Solutions**  
Excellence and Innovation in the Resources Industry





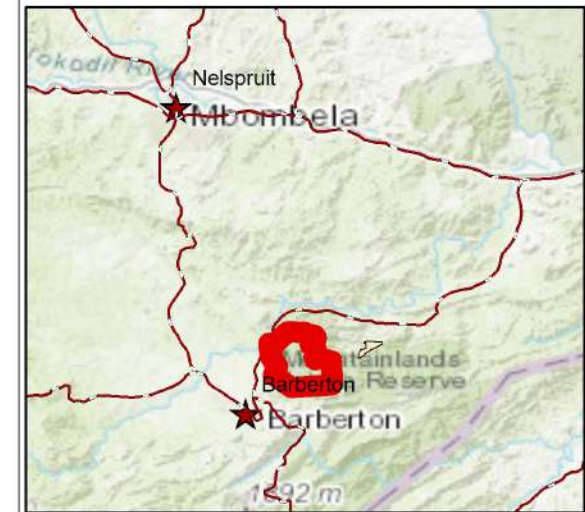
# Surface Hydrology

Fairview Mine

-  Fairview Boundary
-  Application Area
-  Rivers
-  NFEPA Wetlands

## Data Source:

Department of Water and Sanitation



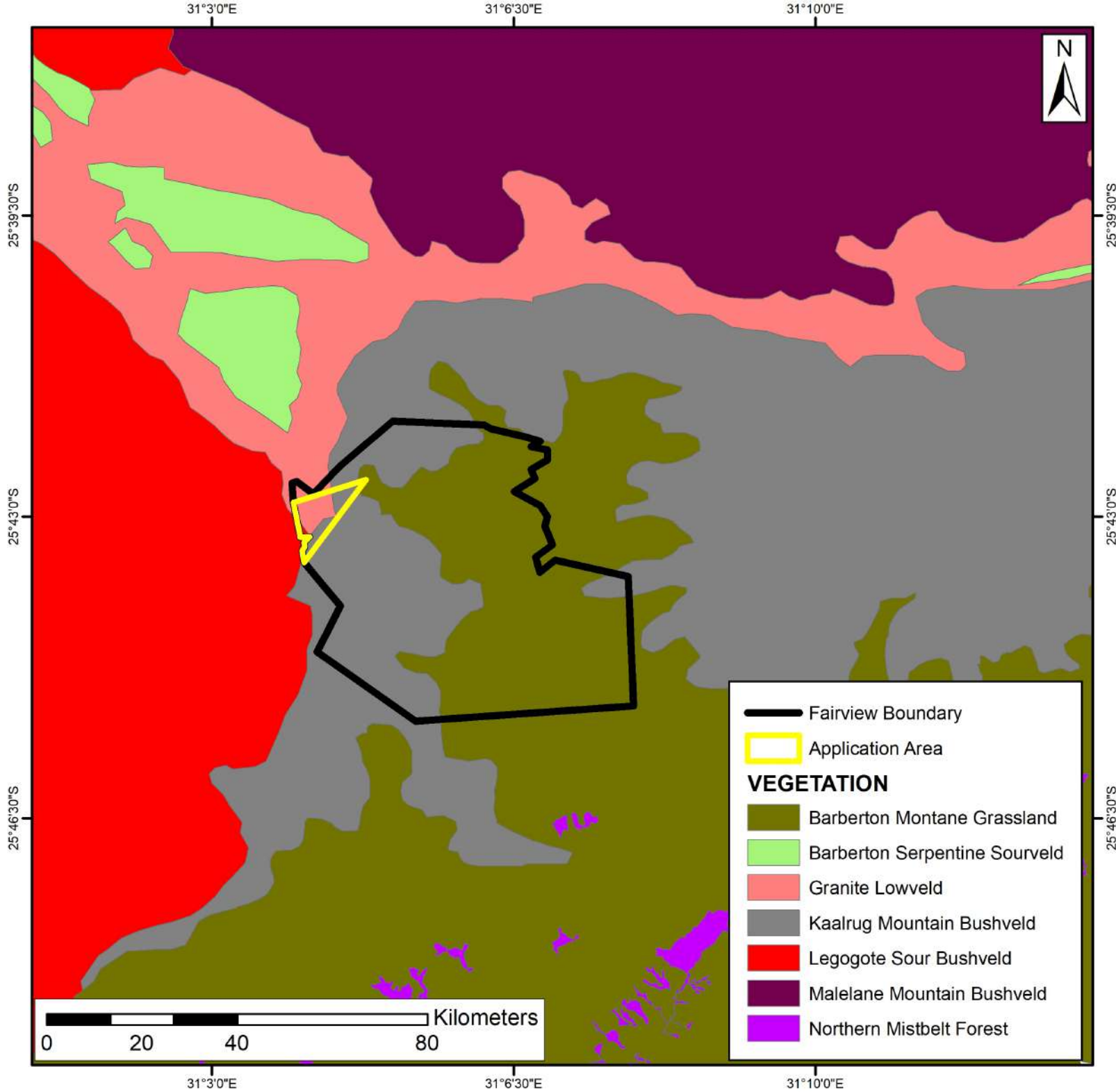
Coord System: GCS WGS 1984

Datum: WGS 1984

Units: Degrees

Prepared by:



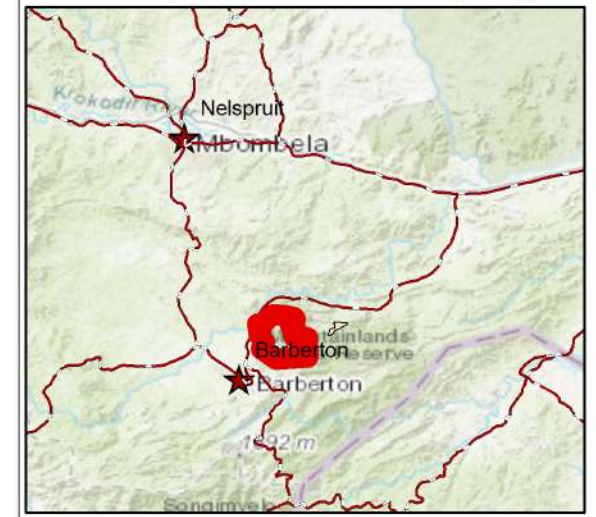


# Vegetation

Fairview Mine

## Data Source:

The vegetation of South Africa, Lesotho and Swaziland (Mucina and Rutherford (2006))



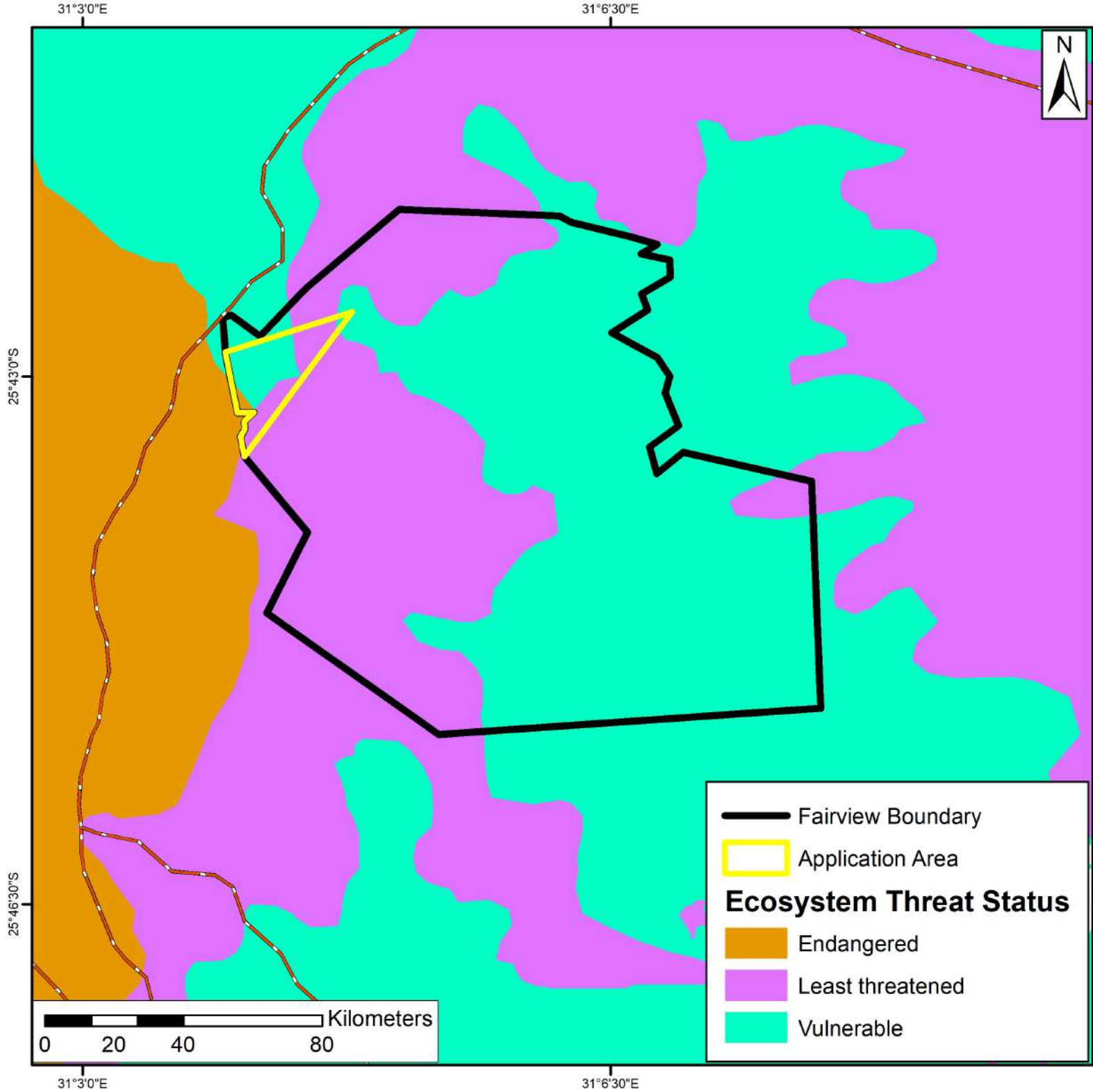
Coord System: GCS WGS 1984

Datum: WGS 1984

Units: Degrees

Prepared by:

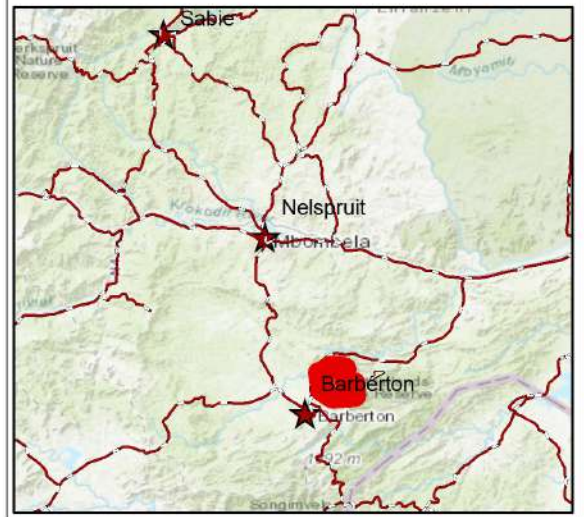




# Ecosystem Threat Status

## Fairview Mine

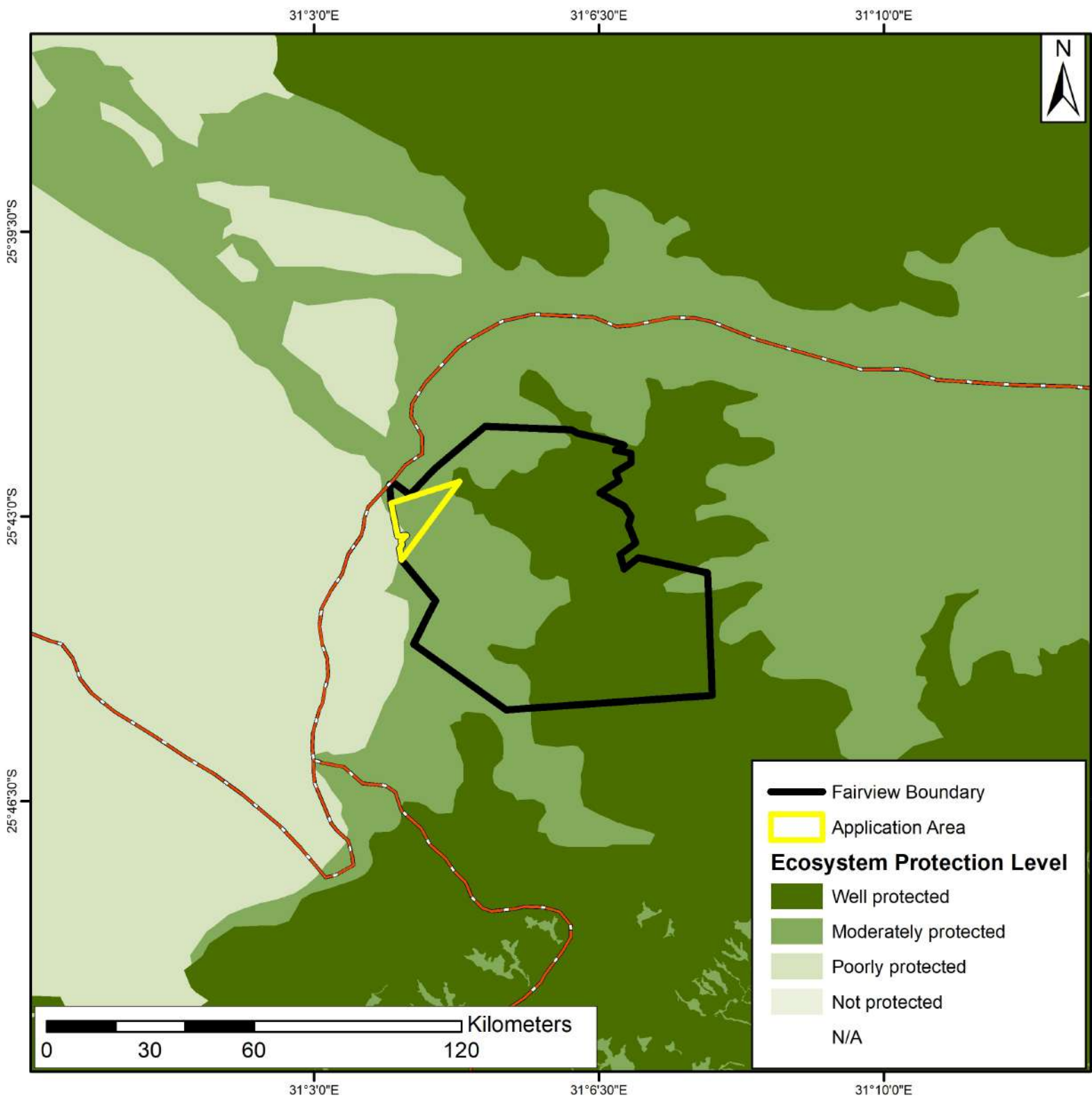
**Data Source:**  
 Department of Agriculture, Forestry and Fisheries (DAFF)



— Fairview Boundary  
 □ Application Area  
**Ecosystem Threat Status**  
 ■ Endangered  
 ■ Least threatened  
 ■ Vulnerable

Coord System: GCS WGS 1984  
 Datum: WGS 1984  
 Units: Degrees

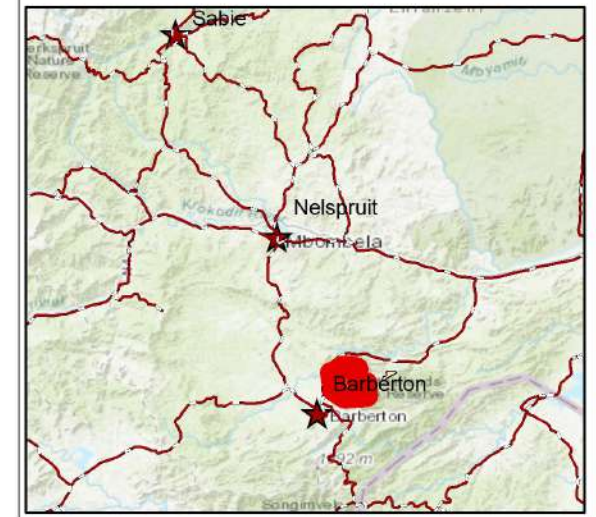
Prepared by:



# Ecosystem Protection Level

Fairview Mine

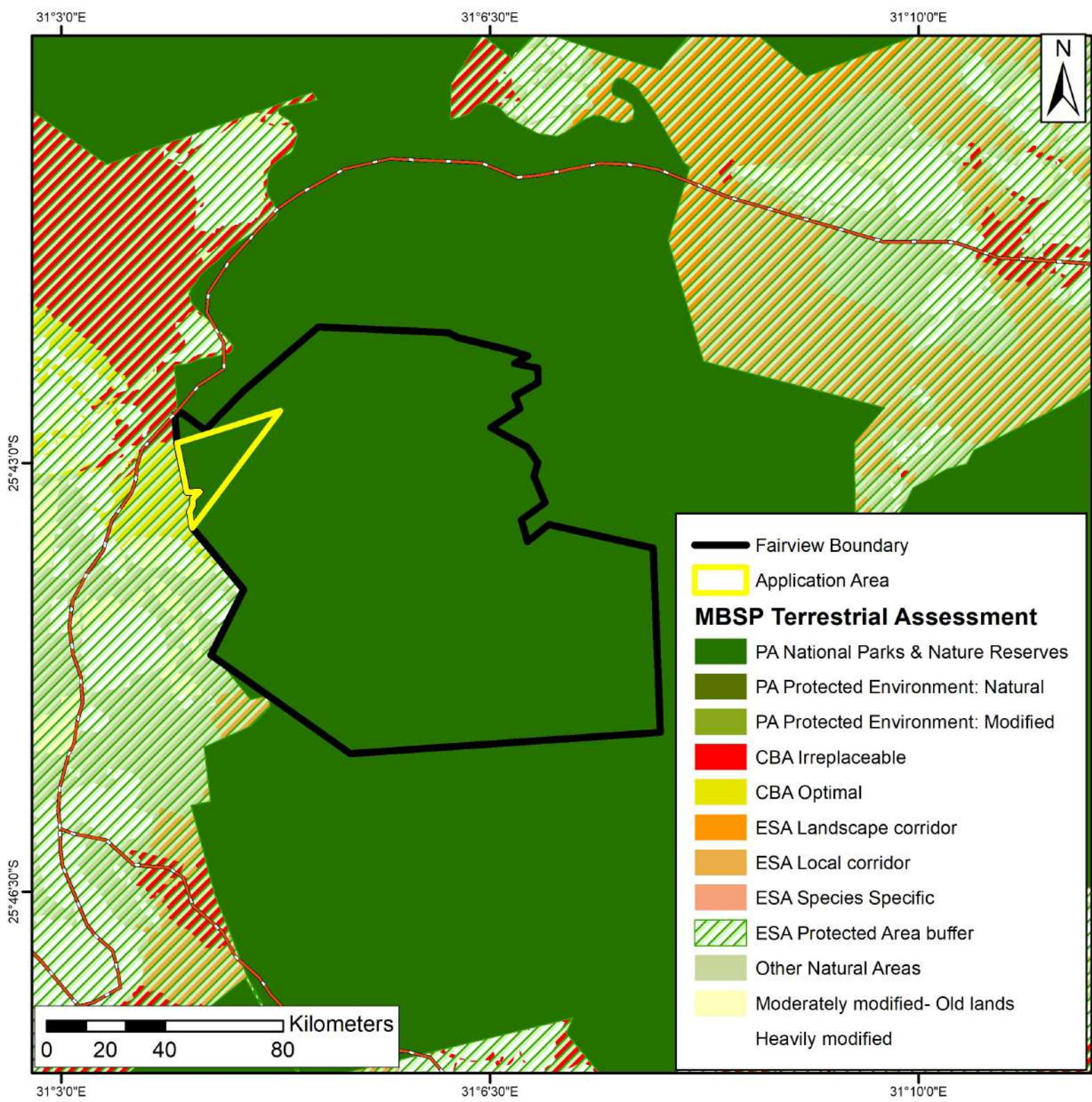
**Data Source:**  
Department of Agriculture, Forestry and Fisheries (DAFF)



Fairview Boundary  
 Application Area  
**Ecosystem Protection Level**  
 Well protected  
 Moderately protected  
 Poorly protected  
 Not protected  
 N/A

Coord System: GCS WGS 1984  
Datum: WGS 1984  
Units: Degrees

Prepared by:



— Fairview Boundary

▭ Application Area

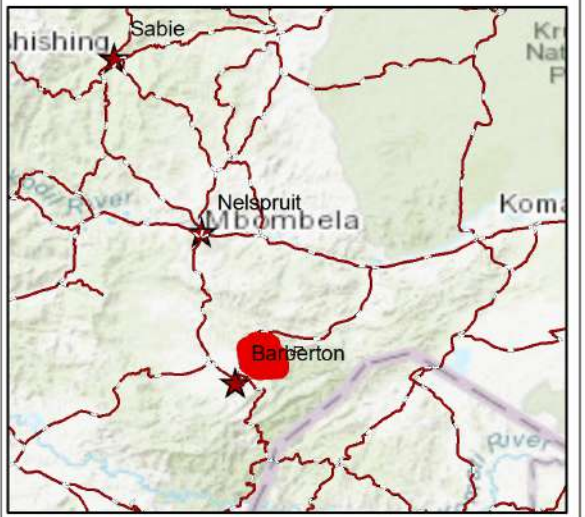
**MBSP Terrestrial Assessment**

- PA National Parks & Nature Reserves
- PA Protected Environment: Natural
- PA Protected Environment: Modified
- CBA Irreplaceable
- CBA Optimal
- ESA Landscape corridor
- ESA Local corridor
- ESA Species Specific
- ▨ ESA Protected Area buffer
- Other Natural Areas
- Moderately modified- Old lands
- Heavily modified

# Mpumalanga Biodiversity Sector Plan

## Fairview Mine

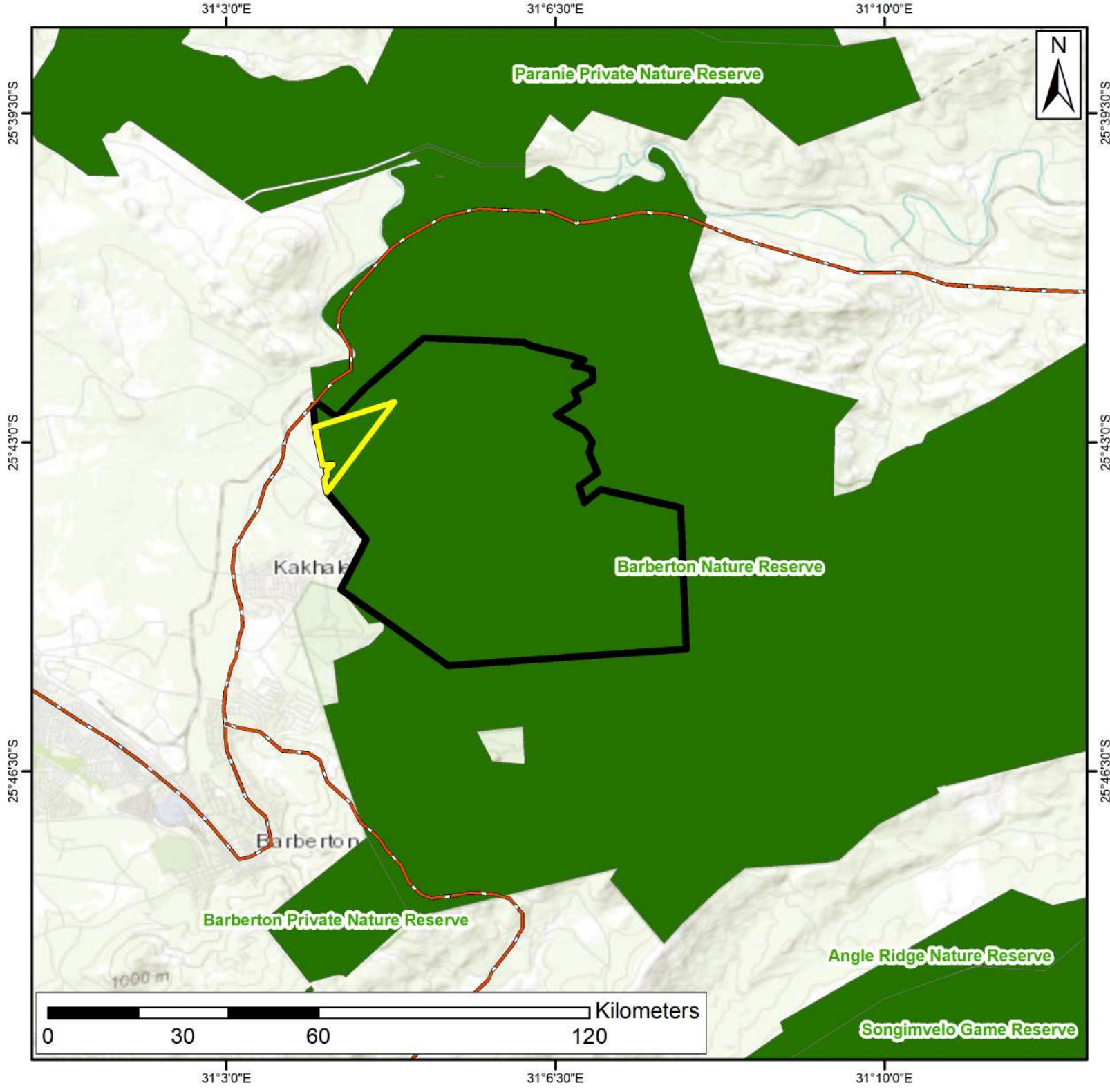
**Data Source:**  
Mpumalanga Biodiversity Sector Plan (MBSP)



Coord System: GCS WGS 1984  
Datum: WGS 1984  
Units: Degrees

Prepared by:

**Shango Solutions**  
*Excellence and Innovation in the Resources Industry*

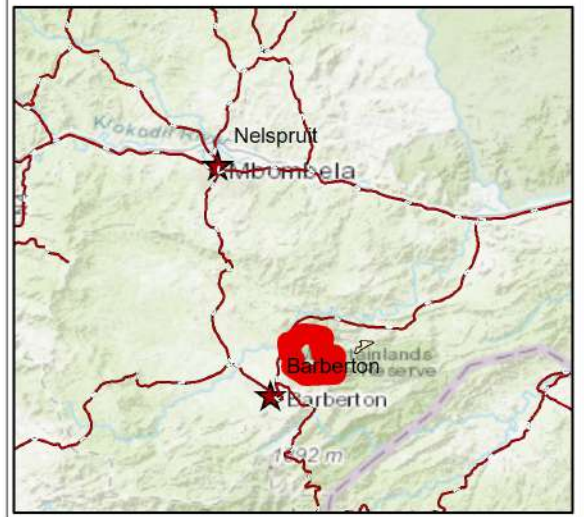


## Protected Area

Fairview Mine

-  Fairview Boundary
-  Application Area
-  Protected Area

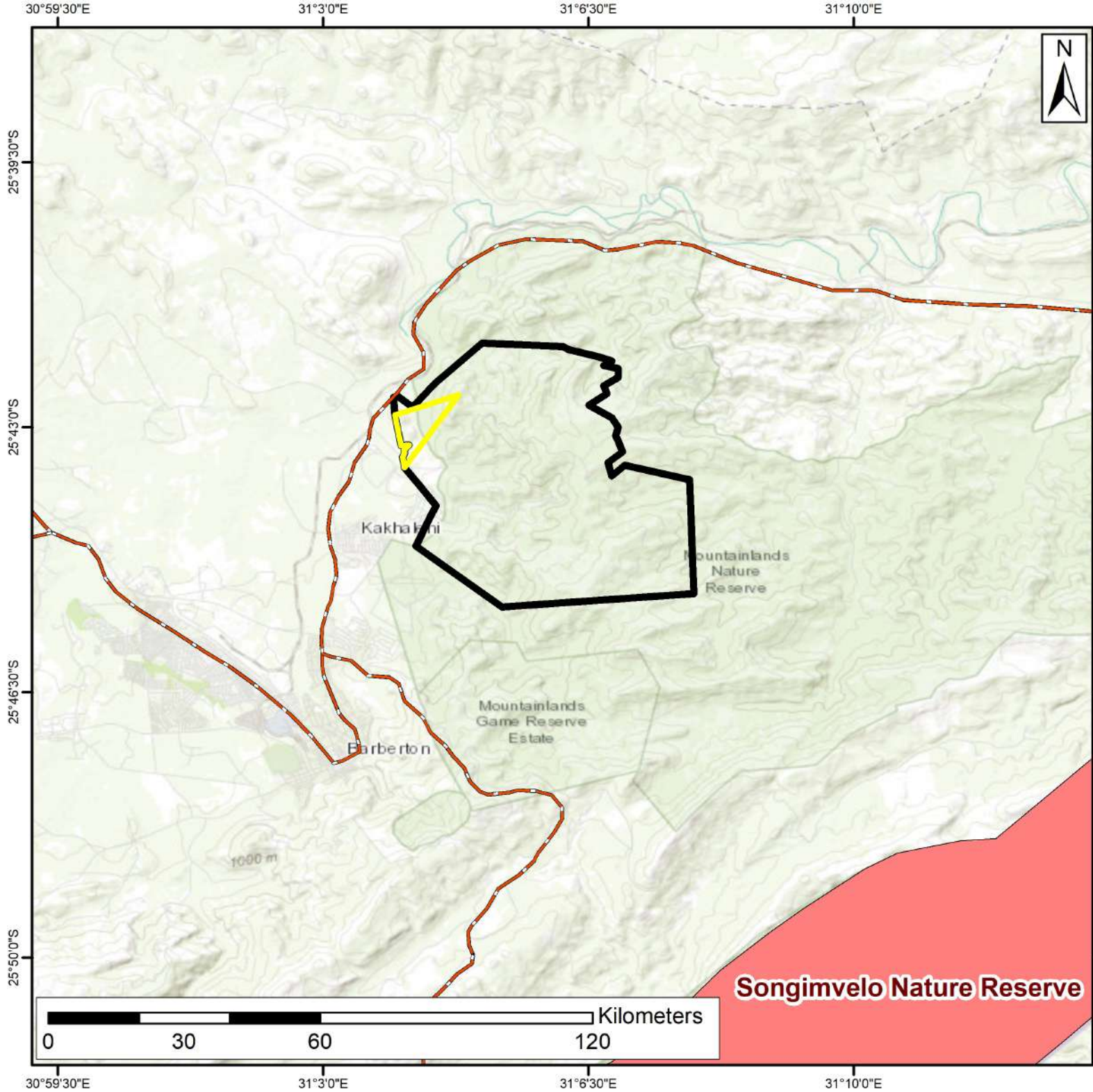
**Data Source:**  
Department of Environmental Affairs



Coord System: GCS WGS 1984  
Datum: WGS 1984  
Units: Degrees

Prepared by:



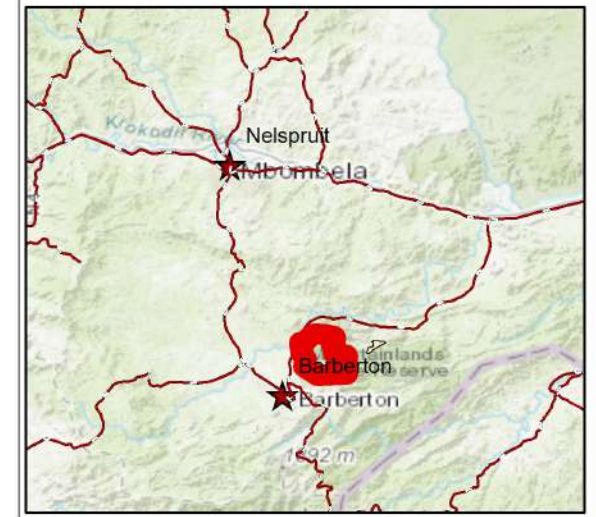


## Important Bird Areas

Fairview Boundary

-  Fairview Boundary
-  Application Area
-  Important Bird Areas

**Data Source:**  
Bird Life South Africa

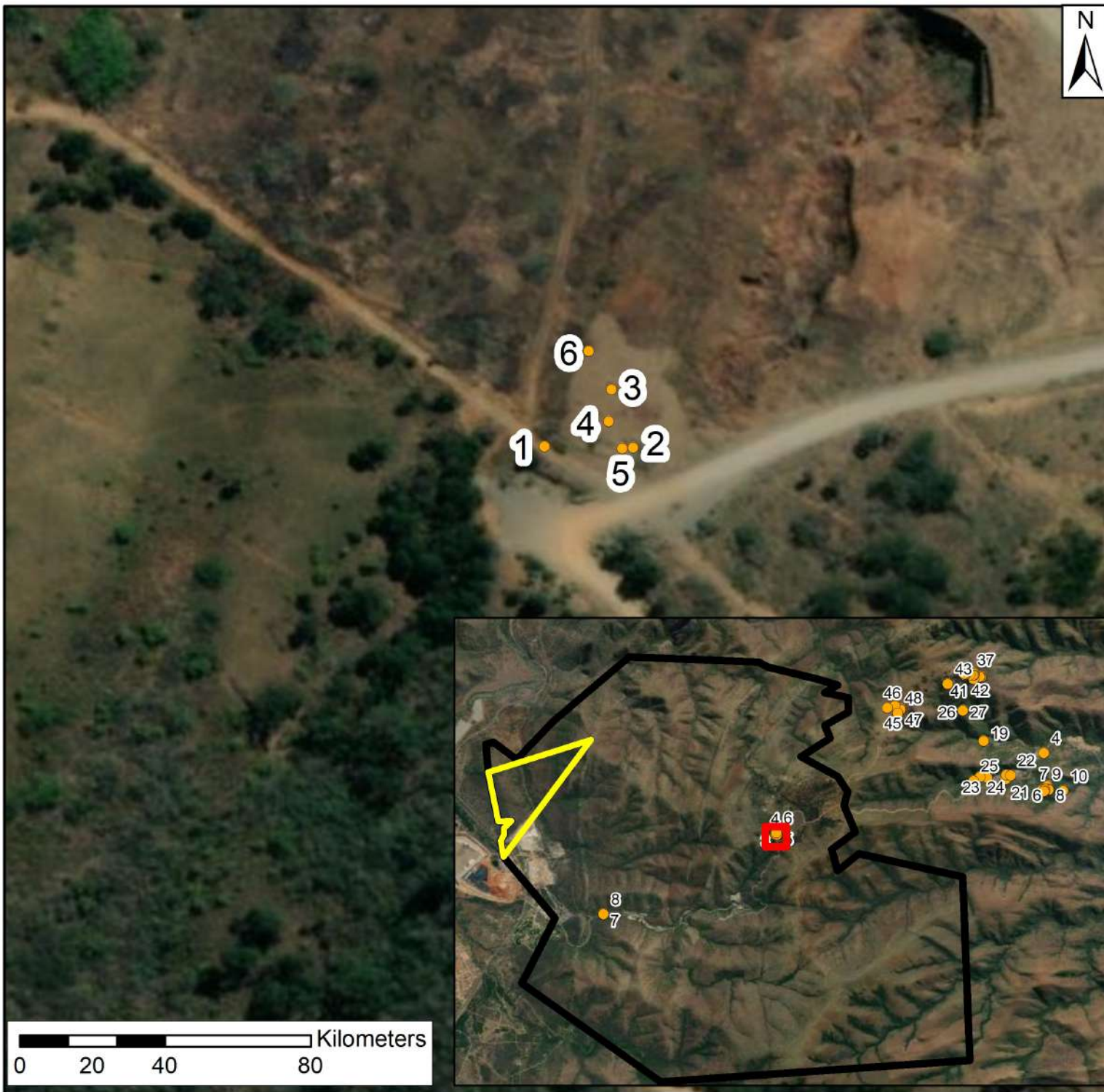


Coord System: GCS WGS 1984  
Datum: WGS 1984  
Units: Degrees

Prepared by:





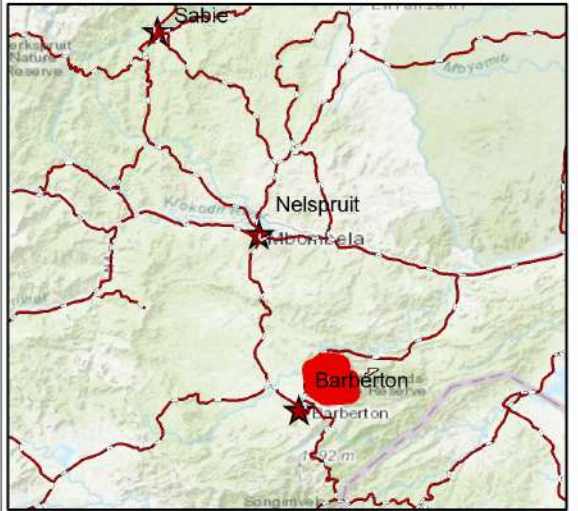


# Heritage Site

## Fairview Mine

- Heritage
- Fairview Boundary
- Application Area

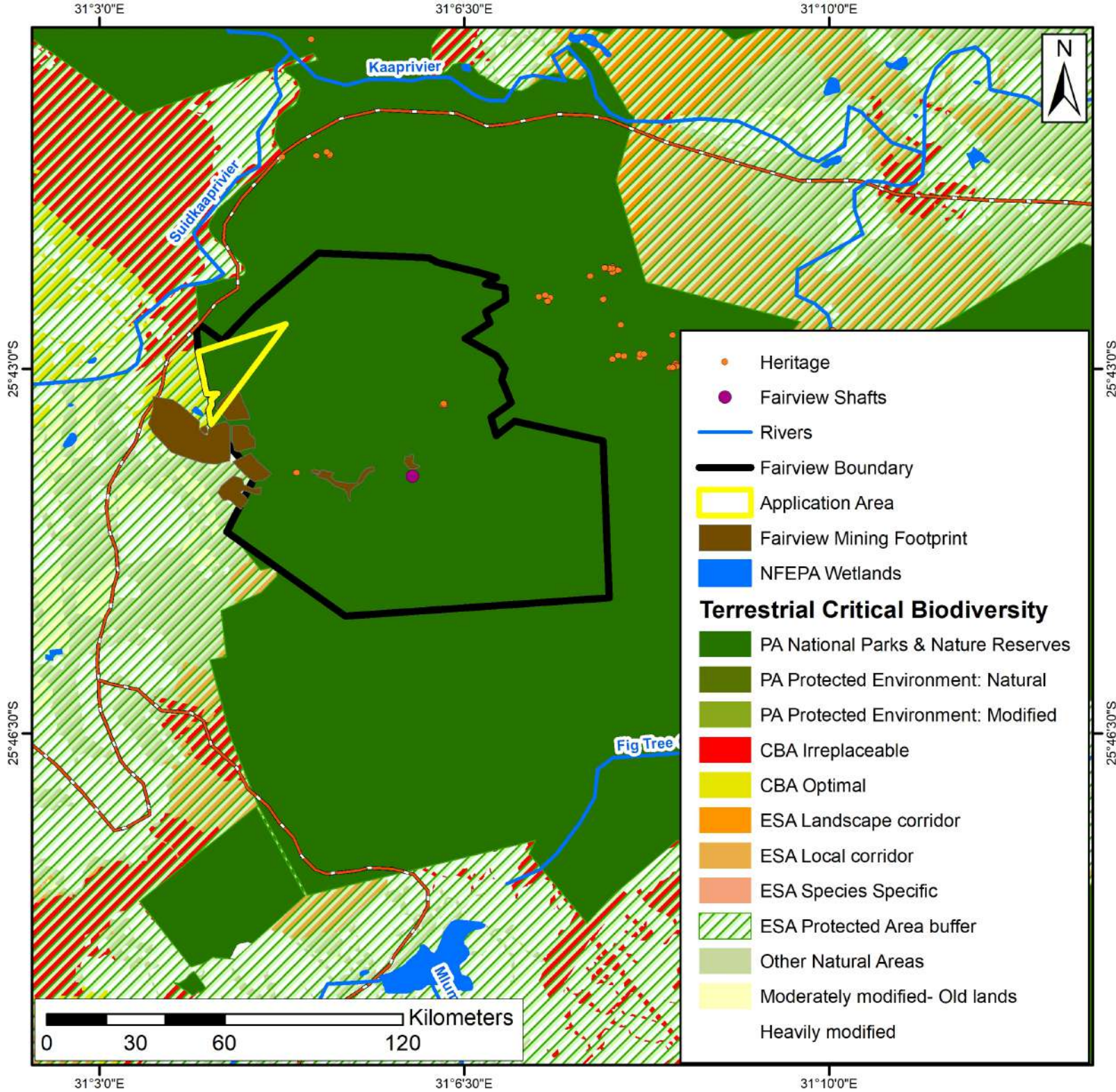
**Data Source:**  
Department of Agriculture, Forestry and Fisheries (DAFF)



Coord System: GCS WGS 1984  
Datum: WGS 1984  
Units: Degrees

Prepared by:

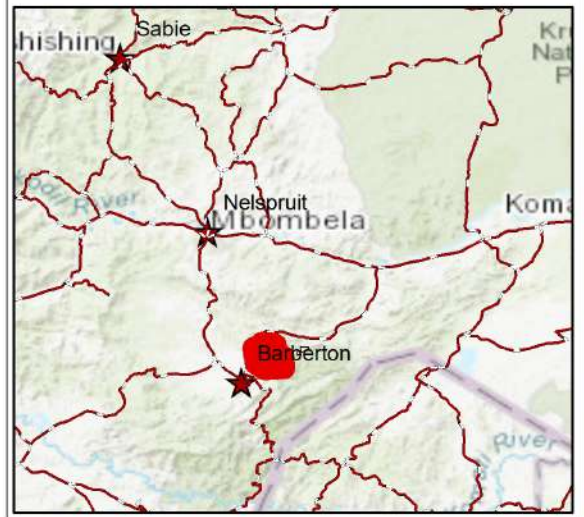
**Shango Solutions**  
Excellence and Innovation in the Resources Industry



# Terrestrial Critical Biodiversity

## Fairview Mine

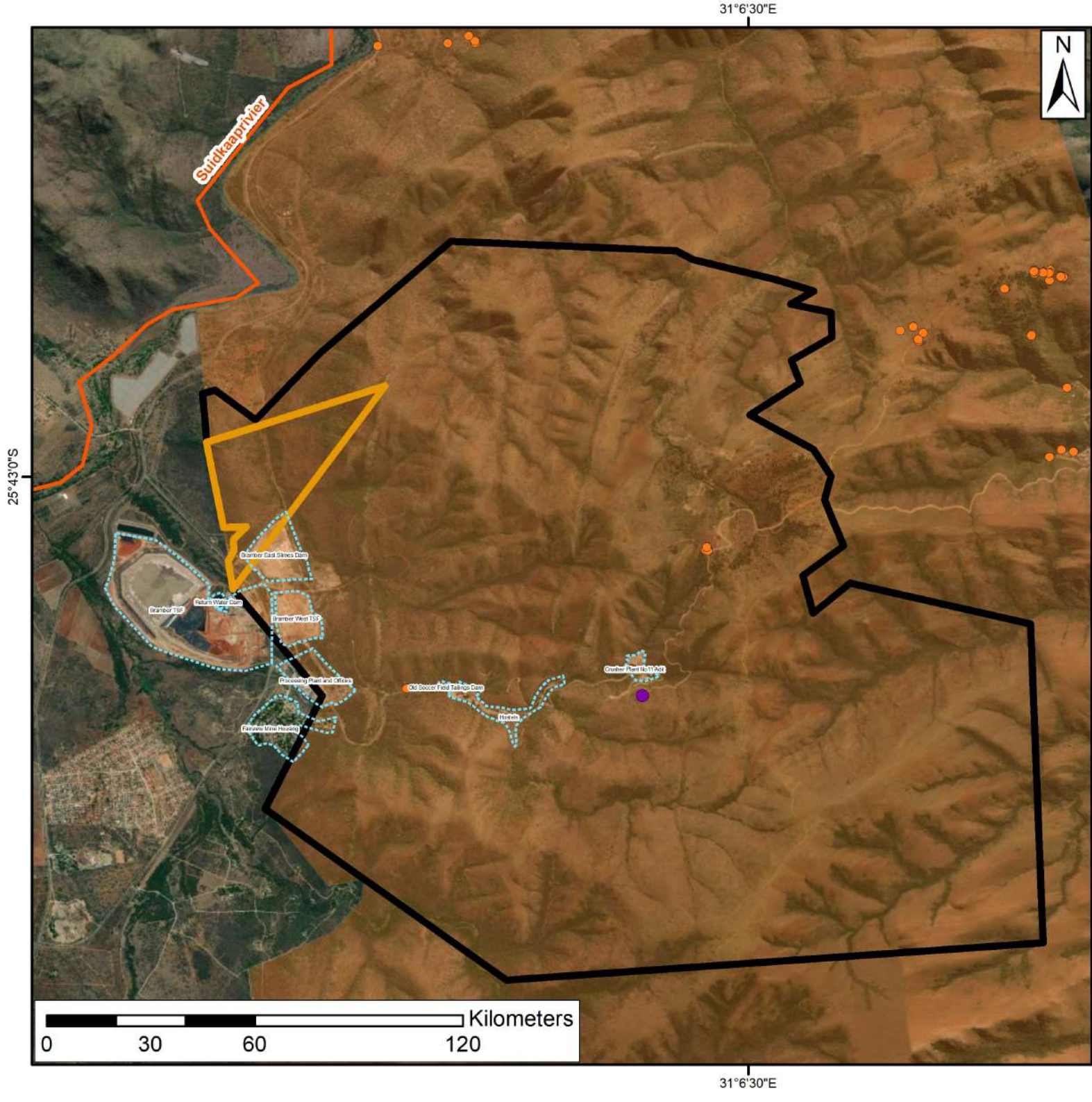
**Data Source:**  
Mpumalanga Biodiversity Sector Plan (MBSP)



Coord System: GCS WGS 1984  
Datum: WGS 1984  
Units: Degrees

Prepared by:

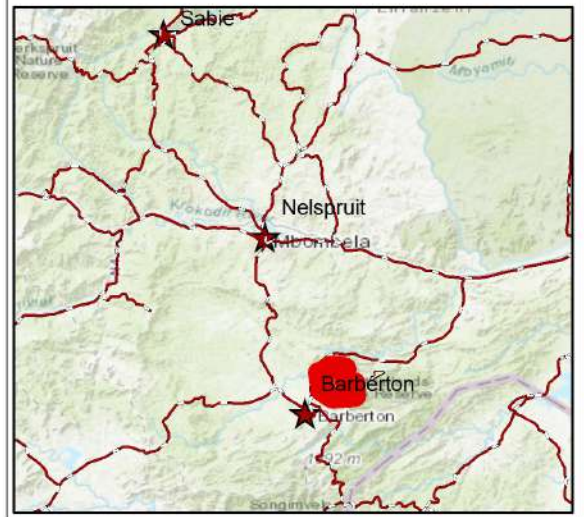
**Shango Solutions**  
Excellence and Innovation in the Resources Industry



# Composite Sensitivity

Fairview Mine

- Heritage
- Fairview\_Shafts
- Fairview Boundary
- Application Area
- High Sensitivity
- Fairview Mining Footprint



Coord System: GCS WGS 1984

Datum: WGS 1984

Units: Degrees

Prepared by:

