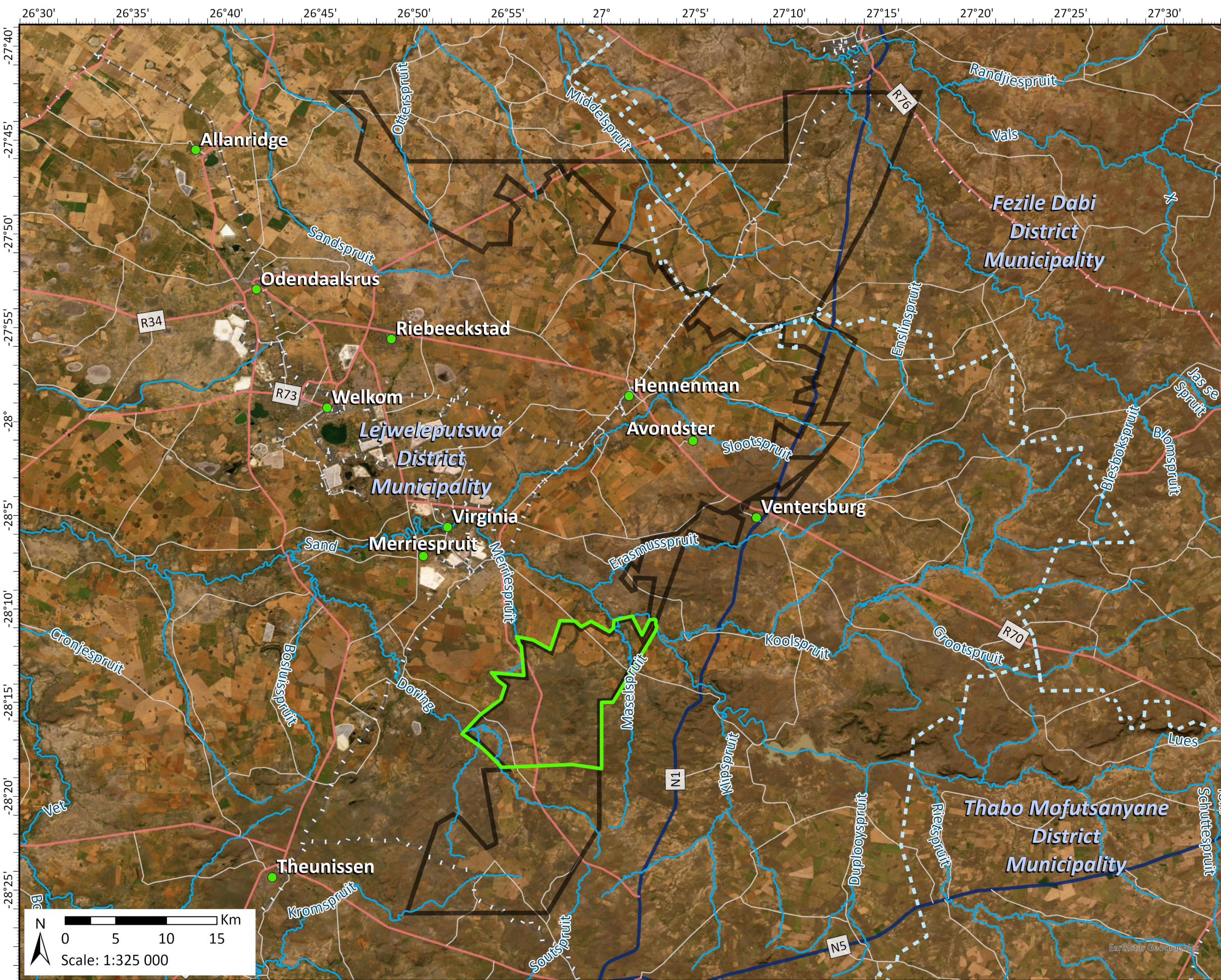


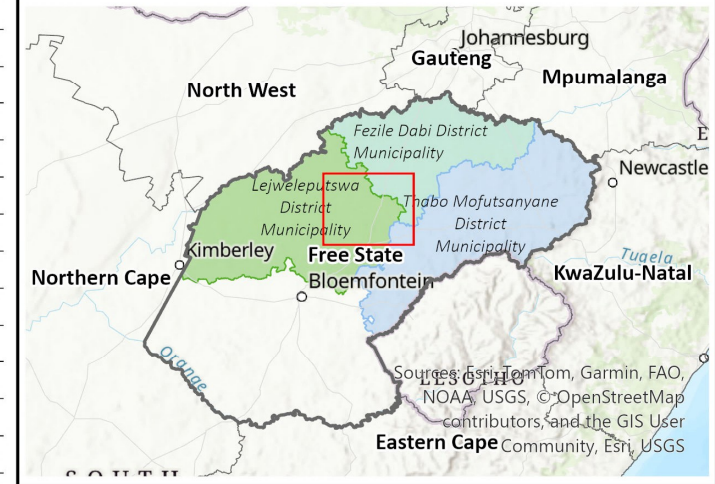


Locality Map

Motuoane Production Right EIA

Legend

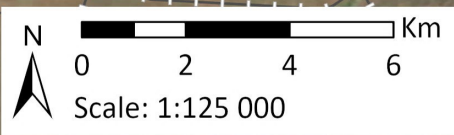
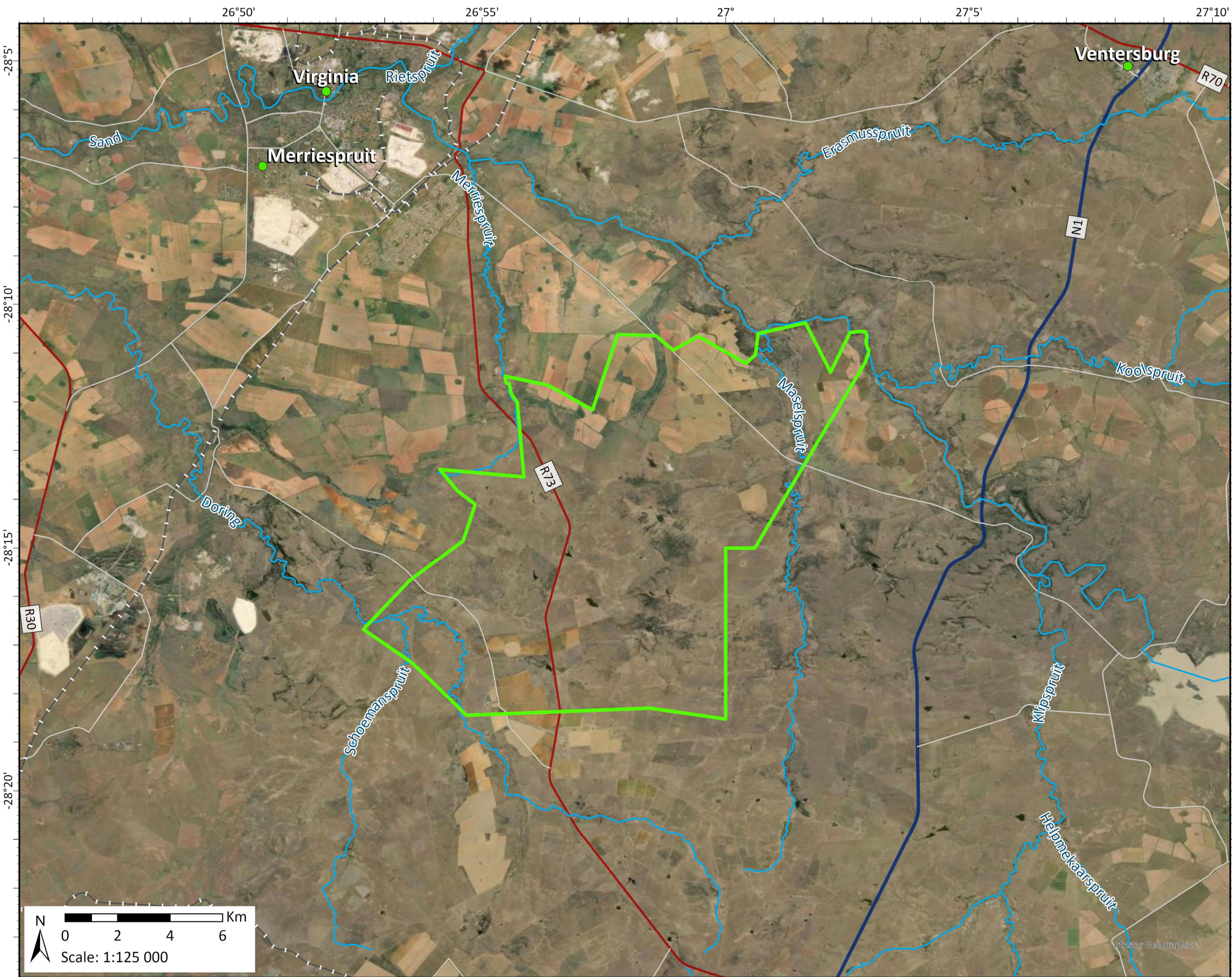
- Production Right Application Area
- ER315
- Towns
- NFEPA Rivers
- Railway Line
- Roads**
 - National Road
 - Arterial Road
 - Main Road
 - Secondary Road
 - District Municipality



Coord System: GCS WGS 1984
Datum: WGS 1984
Units: Degree
Ref: 1709_Locality
Data Sources:
CSG; ESRI; MDB; SANBI; CD:NGI

Date: 2025/10/24
EIMS Ref: 1709
Compiled: JW
Reviewed: SK
Approved: LW





Locality Map

Motuoane Production Right EIA

Legend

- Production Right Application Area
- Towns
- NFEPA Rivers
- Railway Line

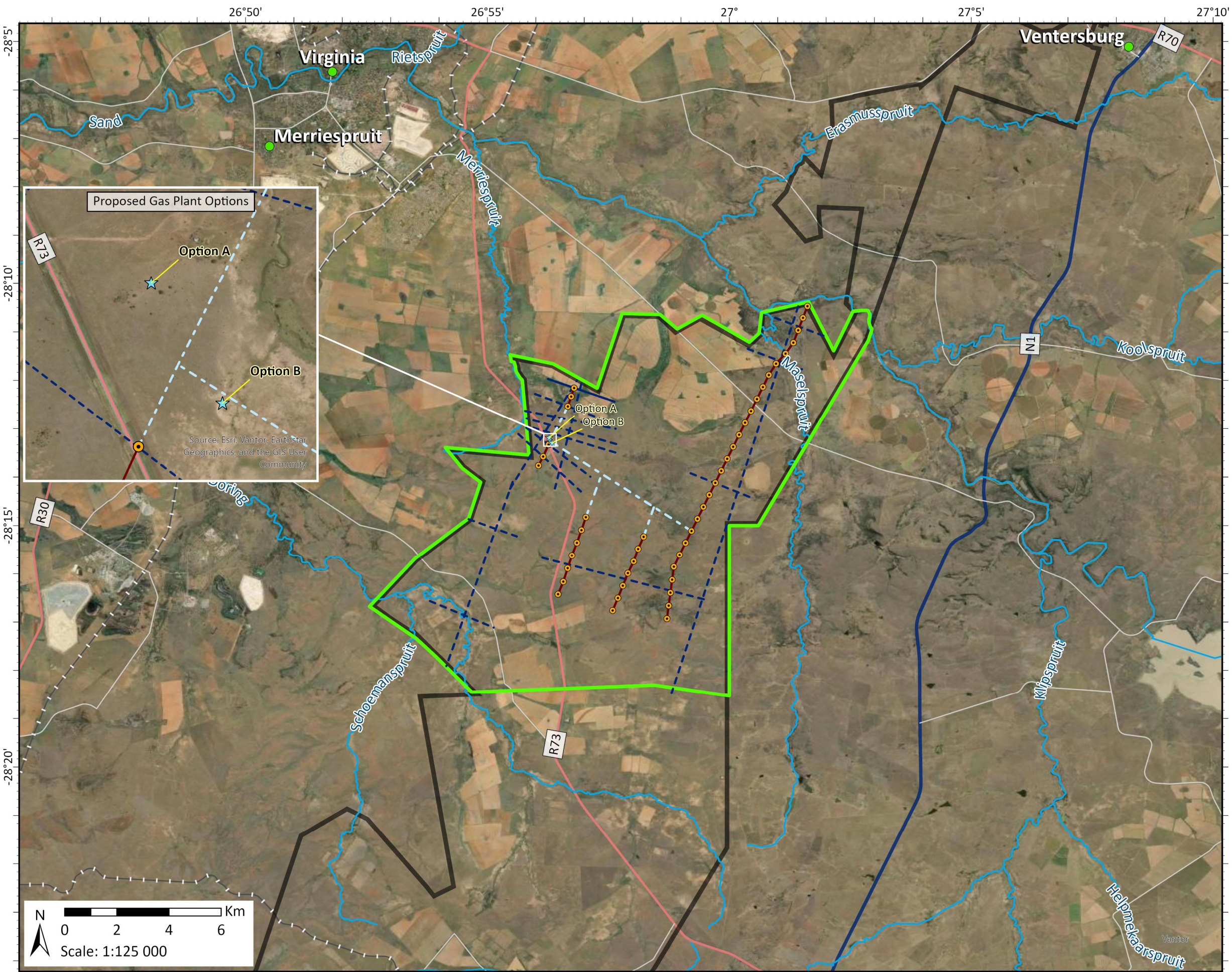
Roads

- National Road
- Arterial Road
- Secondary Road

The inset map shows the outline of South Africa with its provinces. The Free State province is highlighted in green, and a red rectangle within it indicates the study area. Labels include North West, Gauteng, Mpumalanga, Northern Cape, KwaZulu-Natal, and Eastern Cape. Specific locations like Johannesburg, Newcastle, Kimberley, and Bloemfontein are marked. Districts like Fesile Dabi and Lejweleputswa are also labeled. The Orange and Tugela rivers are shown.

Coord System: GCS WGS 1984
 Datum: WGS 1984
 Units: Degree
 Ref: 1709_Locality
 Data Sources:
 CSG; ESRI; MDB; SANBI; CD:NGI

Date: 2025/07/24
 EIMS Ref: 1709
 Compiled: JW
 Reviewed: SK
 Approved: LW

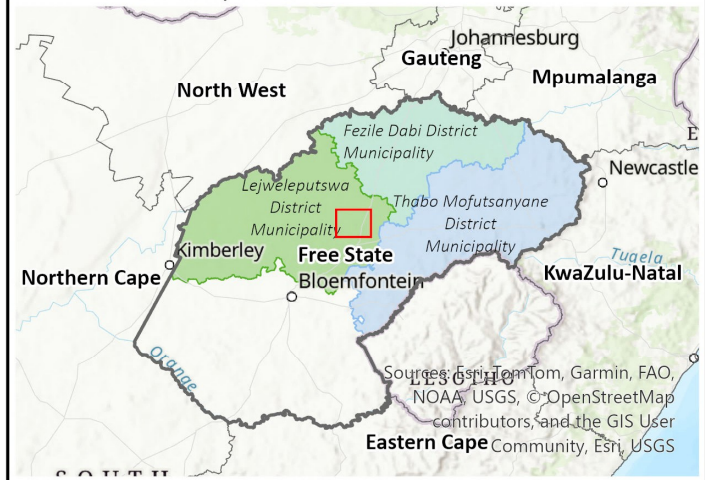


Locality Map

Motuoane Production Right EIA

Legend

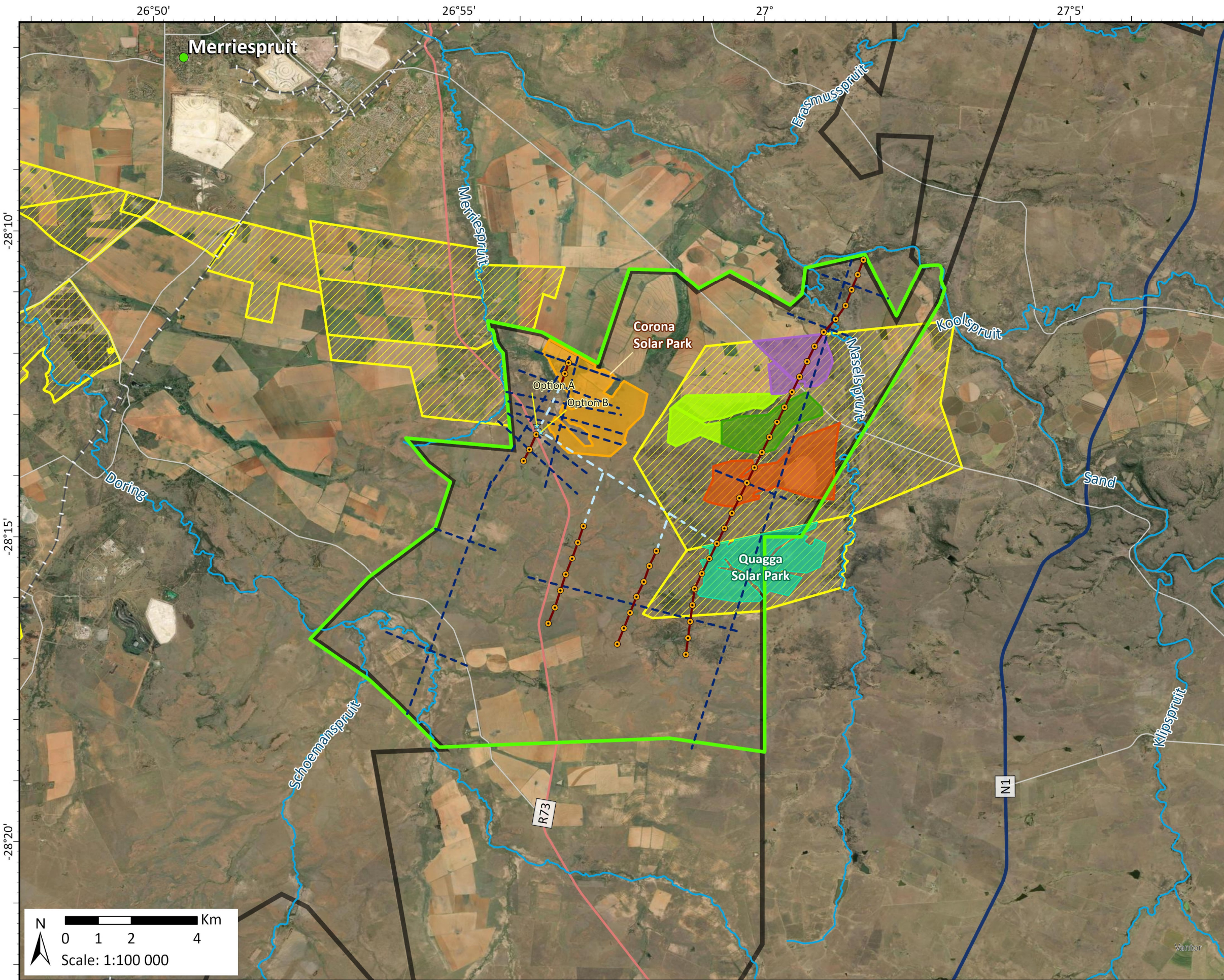
- Production Right Application Area
- ER315
- Towns
- NFEPA Rivers
- Proposed Wells (Along Gathering Lines)
- Proposed Gas Plant Options
- Proposed Seismic Lines
- Proposed Gathering Lines to Proposed Plant
- Gathering Lines
- Railway Line
- Roads**
 - National Road
 - Arterial Road
 - Secondary Road



Coord System: GCS WGS 1984
Datum: WGS 1984
Units: Degree
Ref: 1709_Locality
Data Sources:
CSG; ESRI; MDB; SANBI; CD:NGI

Date: 2026/01/08
EIMS Ref: 1709
Compiled: JW
Reviewed: SK
Approved: LW

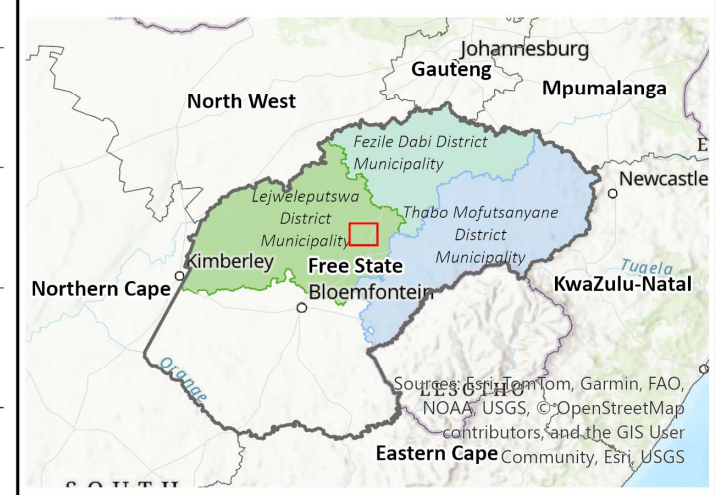




Renewable Energy Map

Motuoane Production Right EIA

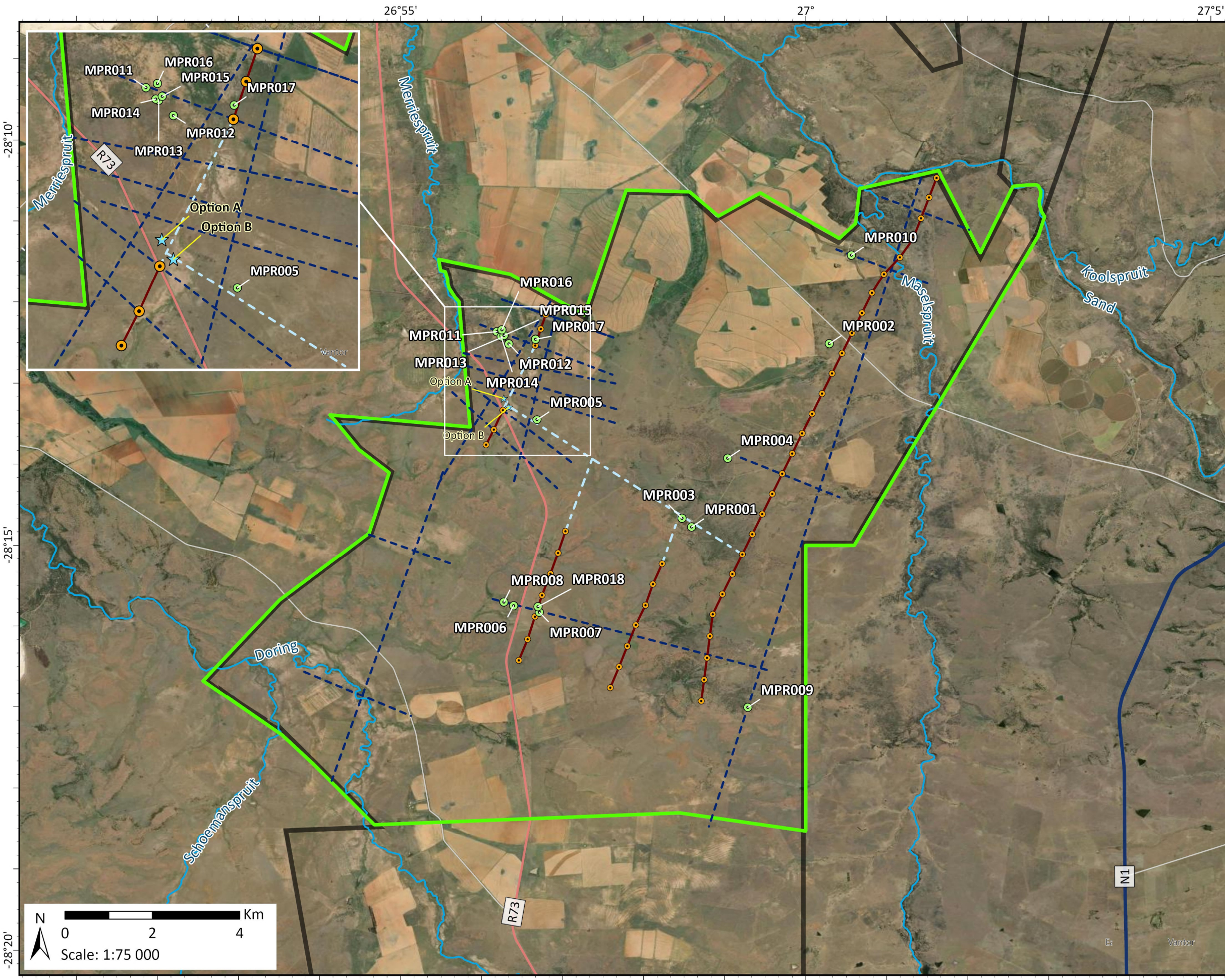
- Legend**
- | | |
|--|--|
| Production Right Application Area | Roads |
| ER315 | National Road |
| Towns | Arterial Road |
| NFEPA Rivers | Secondary Road |
| Proposed Wells (Along Gathering Lines) | Quagga Solar Park (240 MW) |
| Proposed Gas Plant Options | Corona Solar Park (240 MW) |
| Proposed Seismic Lines | Red Rocket Solar Parks |
| Proposed Gathering Lines to Proposed Plant | Virginia 1 |
| Gathering Lines | Virginia 2 |
| Railway Line | Virginia 3 |
| | Virginia 4 |
| | Renewable Energy EIA Applications |
| | Solar PV |



Coord System: GCS WGS 1984
Datum: WGS 1984
Units: Degree
Ref: 1709_Renewables
Data Sources: CSG; ESRI; MDB; SANBI; CD:NGI; DFFE

Date: 2026/01/16
EIMS Ref: 1709
Compiled: JW
Reviewed: SK
Approved: LW



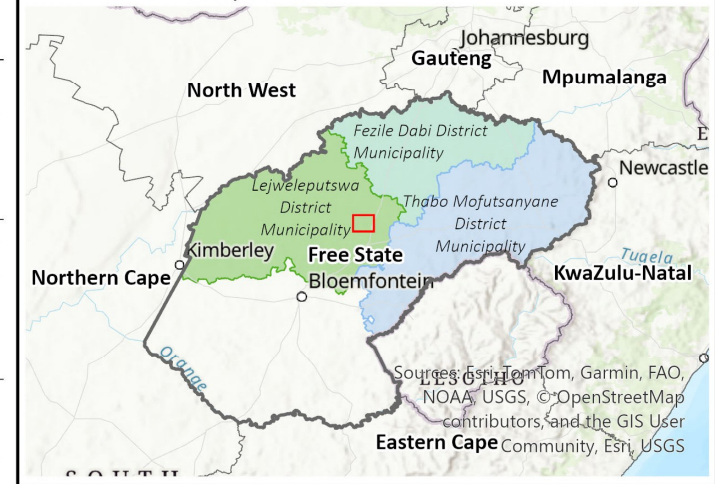


Scoping Artefacts Map

Motuoane Production Right EIA

Legend

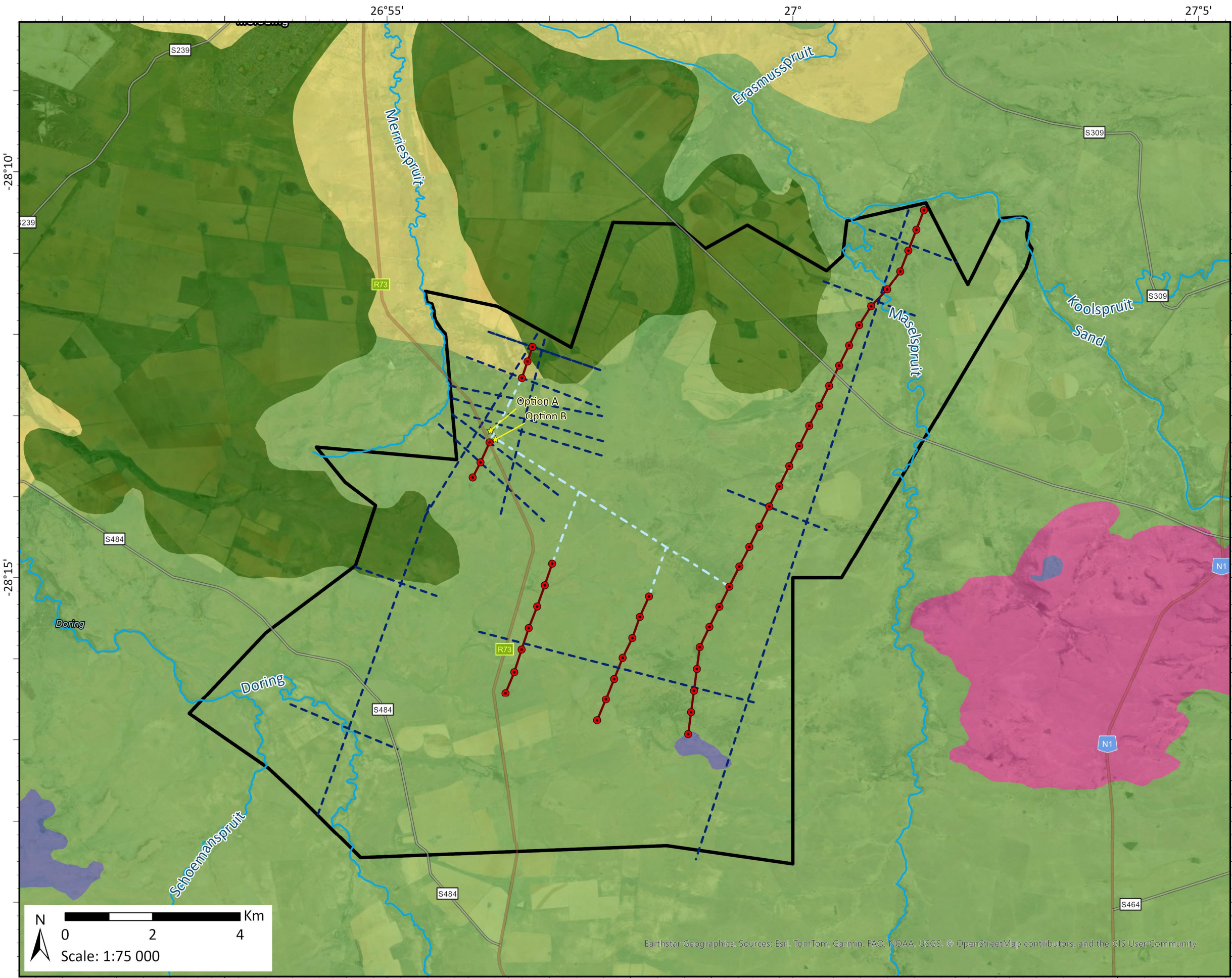
- Production Right Application Area
- ER315
- Heritage Features
- NFEPA Rivers
- Proposed Wells (Along Gathering Lines)
- Proposed Gas Plant Options
- Proposed Seismic Lines
- Proposed Gathering Lines to Proposed Plant
- Gathering Lines
- Railway Line
- Roads**
 - National Road
 - Arterial Road
 - Secondary Road



Coord System: GCS WGS 1984
Datum: WGS 1984
Units: Degree
Ref: 1709_Heritage
Data Sources:
CSG; ESRI; MDB; SANBI; CD:NGI

Date: 2026/01/19
EIMS Ref: 1709
Compiled: JW
Reviewed: SK
Approved: LW





Vegetation Status Map

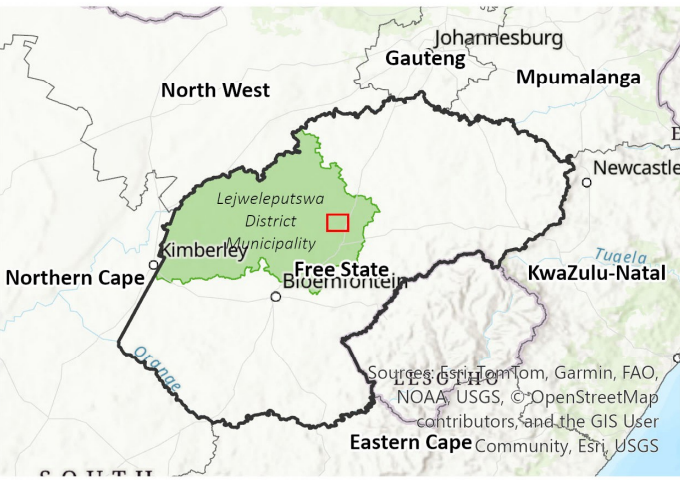
Motuoane Production Right EIA

Legend

- Production Right Application Area
- NFEPA Rivers
- Gathering Lines
- Proposed Gathering Lines to Proposed Plant
- Proposed Seismic Lines
- Proposed Gas Plant Options
- Proposed Wells (Along Gathering Lines)

Vegetation Status

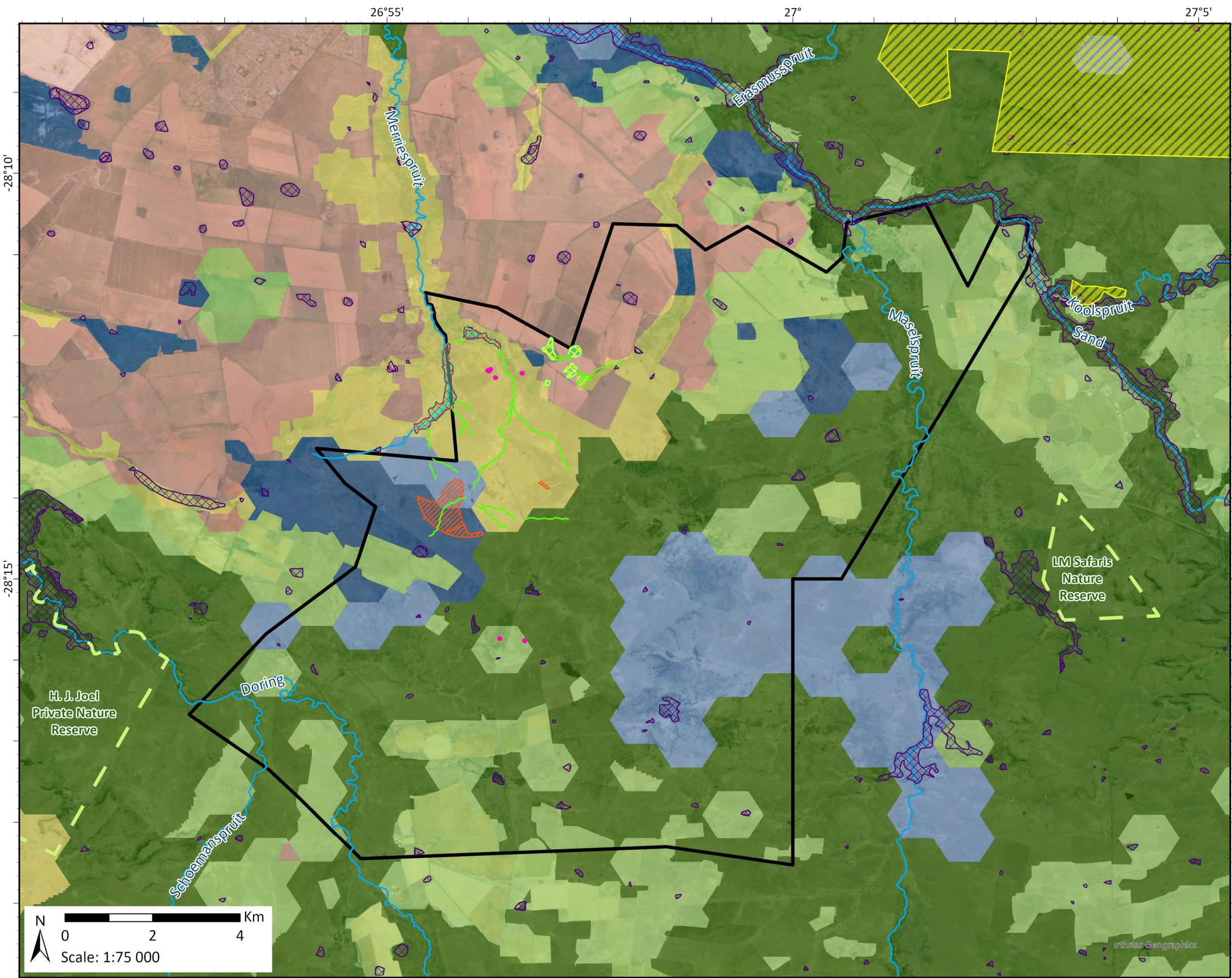
	Bloemfontein Karroid Shrubland	RLE2022 Ecosystem Threat Status: Least Concern
	Central Free State Grassland	RLE2022 Ecosystem Threat Status: Least Concern
	Highveld Alluvial Vegetation	RLE2022 Ecosystem Threat Status: Least Concern
	Vaal-Vet Sandy Grassland	RLE2022 Ecosystem Threat Status: Endangered
	Winburg Grassy Shrubland	RLE2022 Ecosystem Threat Status: Least Concern



Coord System: GCS WGS 1984
Datum: WGS 1984
Units: Degree
Ref: 1709_VegetationStatus
Data Sources:
CSG; ESRI; MDB; SANBI; CD:NGI

Date: 2025/09/30
EIMS Ref: 1709
Compiled: JW
Reviewed: SK
Approved: LW





Desktop Sensitivity Map

Motuoane Production Right EIA

Legend

- Production Right Application Area
- NFEPA Rivers
- NFEPA Wetlands
- Protected Areas (SAPAD)
- Heritage No-Go Areas (2016)
- Heritage Features (No-Go Area - 2024)
- Rocky Grassland (High Sensitivity - 2024)

Wetland Sensitivities (2024)

- High
- Medium
- Low
- Wetland No-Go Areas (15m Buffer)

2015 Free State Terrestrial CBAs

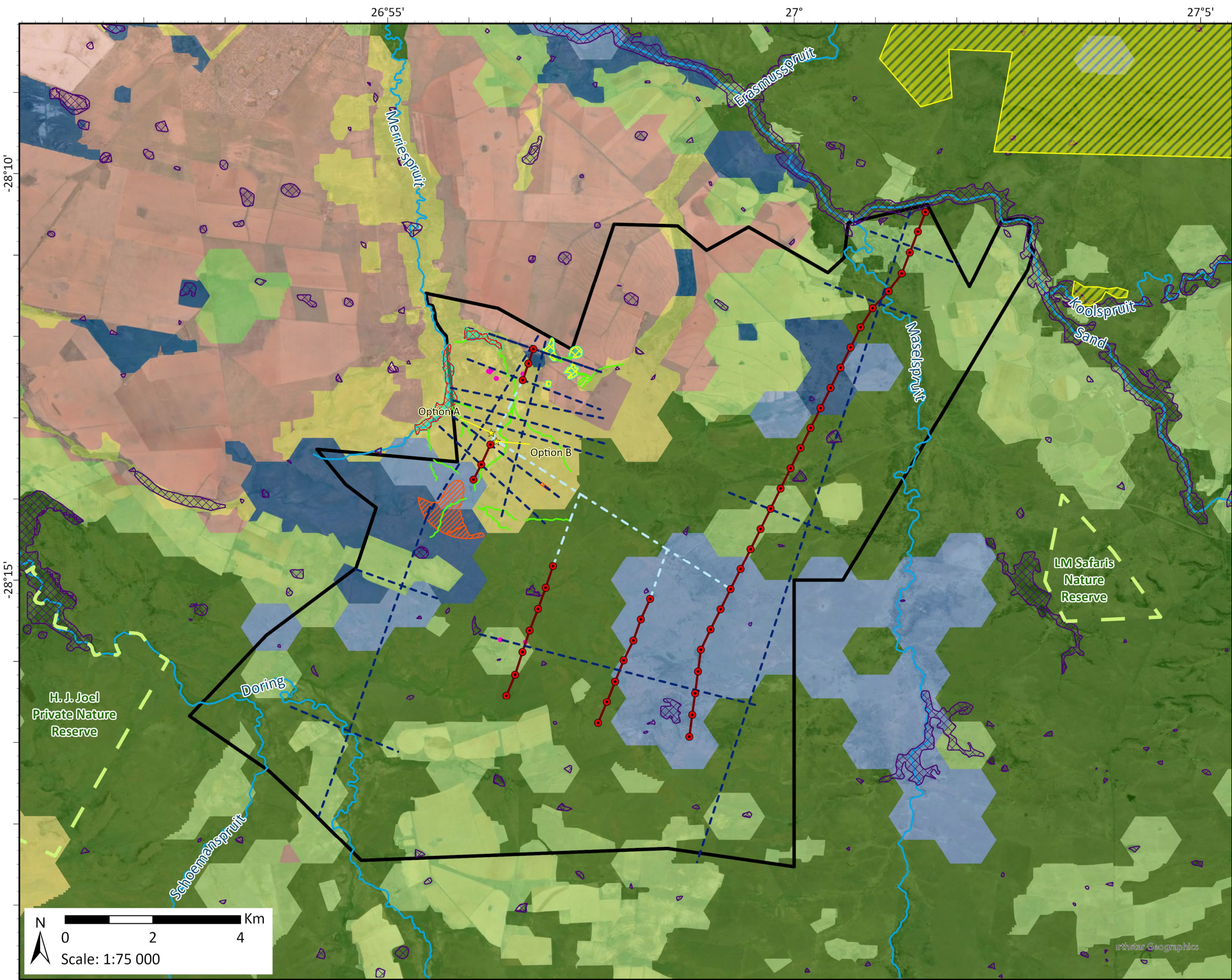
- CBA1
- CBA2
- Degraded
- ESA1
- ESA2
- Other



Coord System: GCS WGS 1984
Datum: WGS 1984
Units: Degree
Ref: 1709_DesktopSensitivity
Data Sources:
CSG; ESRI; MDB; SANBI; CD:NGI; DFFE

Date: 2025/07/24
EIMS Ref: 1709
Compiled: JW
Reviewed: SK
Approved: LW



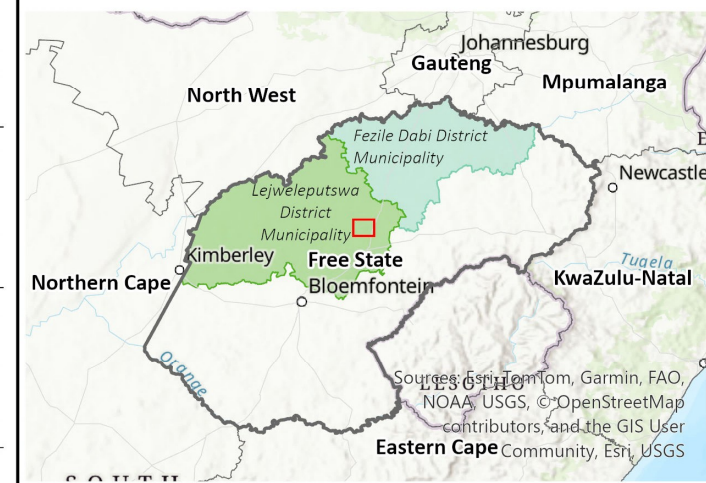


Desktop Sensitivity Map

Motuoane Production Right EIA

Legend

- | | |
|--|---|
| Production Right Application Area | Rocky Grassland (High Sensitivity - 2024) |
| Proposed Wells (Along Gathering Lines) | Wetland Sensitivities (2024) |
| Proposed Gas Plant Options | High |
| Gathering Lines | Medium |
| Proposed Gathering Lines to Proposed Plant | Low |
| Proposed Seismic Lines | Wetland No-Go Areas (15m Buffer) |
| NFEPA Rivers | 2015 Free State Terrestrial CBAs |
| NFEPA Wetlands | CBA1 |
| Protected Areas (SAPAD) | CBA2 |
| Heritage No-Go Areas (2016) | Degraded |
| Heritage Features (No-Go Area - 2024) | ESA1 |
| | ESA2 |
| | Other |



Coord System: GCS WGS 1984
Datum: WGS 1984
Units: Degree
Ref: 1709_LN3
Data Sources:
CSG; ESRI; MDB; SANBI; CD:NGI; DFFE

Date: 2025/09/29
EIMS Ref: 1709
Compiled: JW
Reviewed: SK
Approved: LW

