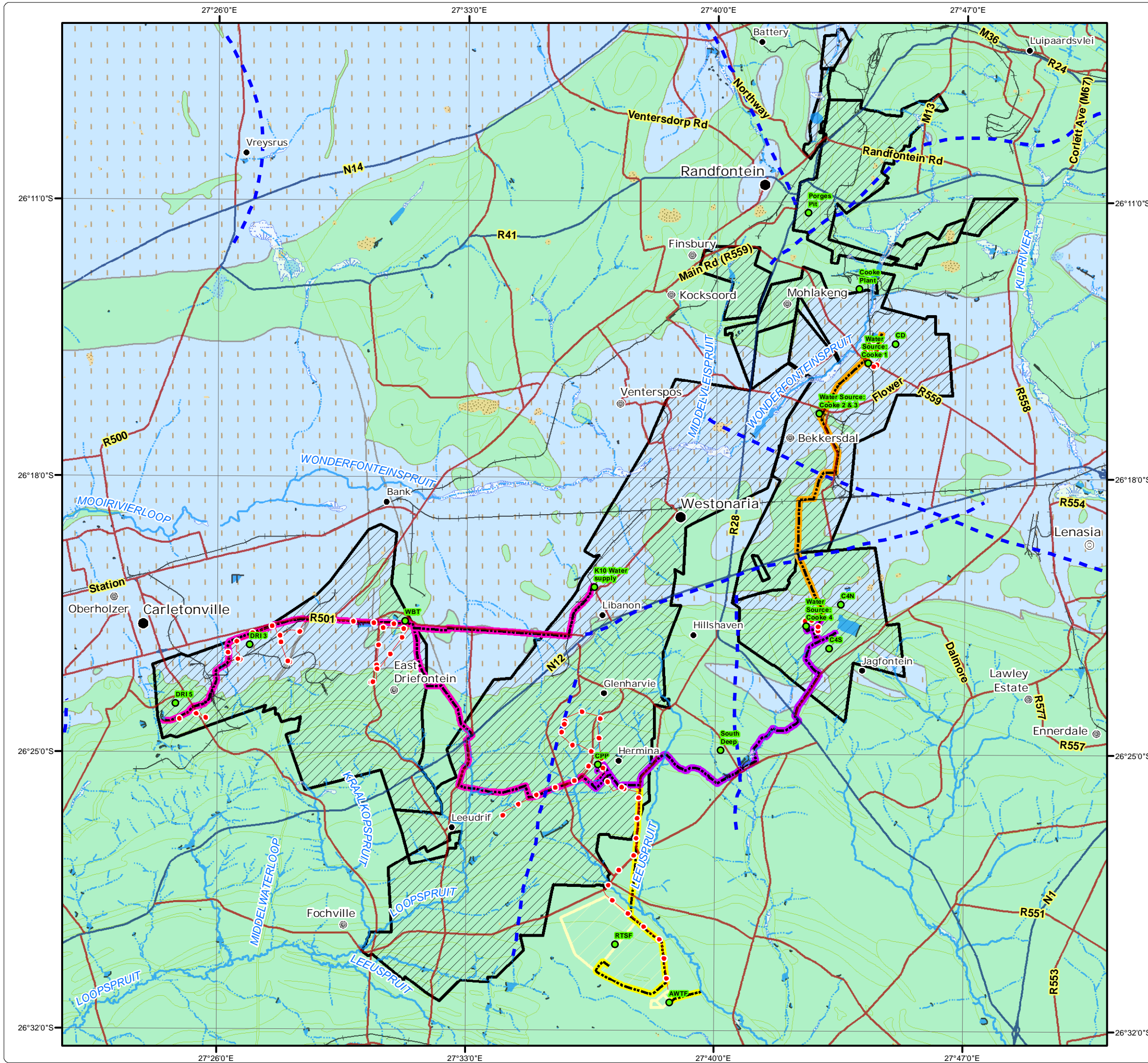


Sibanye WRTRP EIA

Regional Geology



Legend

- Major Town
- ⊙ Secondary Town
- ⊙ Other Town
- Settlement
- Arterial / National Route
- Main Road
- Railway Line
- Non-Perennial Stream
- Perennial Stream
- Dam Wall
- Dam / Lake
- Perennial Pan
- Non-Perennial Pan
- Wetland

Infrastructure

- Infrastructure Point
- Powerlines
- Pipelines: Kloof Mining Right
- Pipelines: Driefontein Mining Right
- Pipelines: Cooke Mining Right
- Pipelines: Ezulwini Mining Right
- Regional Tailings Storage Facility
- Mining Right Boundary

Geology

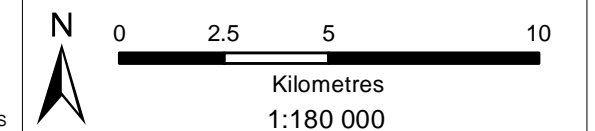
- Structures
- Dolomite
- Transvaal Rocks



DIGBY WELLS
ENVIRONMENTAL

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Projection: Transverse Mercator Ref #: sdp.GOL2376.201508.201
 Datum: WGS 1984 Revision Number: 3
 Central Meridian: 27°E Date: 07/12/2015



Sibanye WRTRP EIA

Land Types

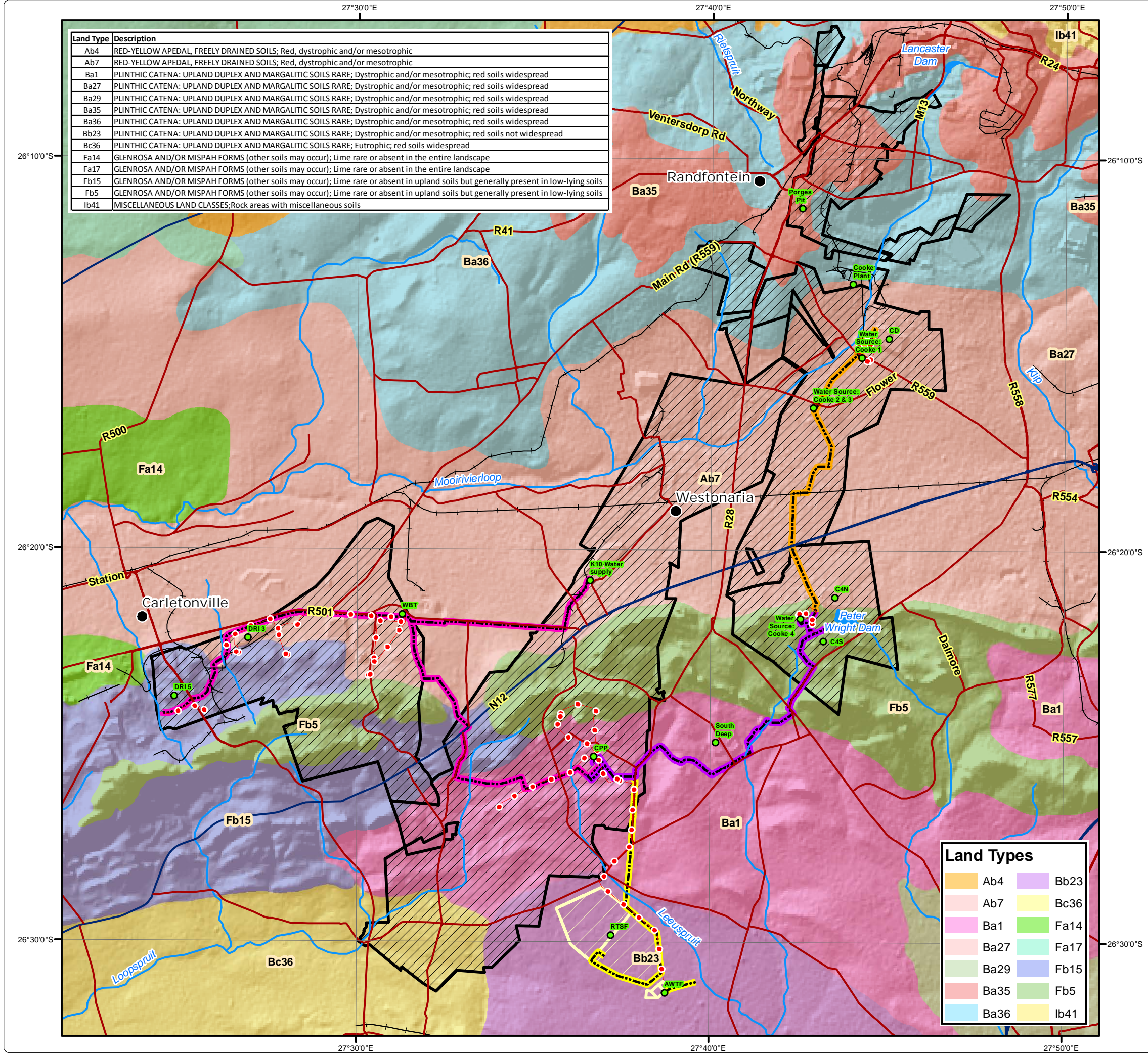
Legend

- Major Town
- Main Roads
- National Roads
- River
- Railway Line
- Dam
- Infrastructure Point
- Powerlines
- Pipelines: Kloof Mining Right
- Pipelines: Driefontein Mining Right
- Pipelines: Cooke Mining Right
- Pipelines: Ezulwini Mining Right
- Regional Tailings Storage Facility
- Mining Right Boundary

Land Type	Description
Ab4	RED-YELLOW APEDAL, FREELY DRAINED SOILS; Red, dystrophic and/or mesotrophic
Ab7	RED-YELLOW APEDAL, FREELY DRAINED SOILS; Red, dystrophic and/or mesotrophic
Ba1	PLINTHIC CATENA: UPLAND DUPLIX AND MARGALITIC SOILS RARE; Dystrophic and/or mesotrophic; red soils widespread
Ba27	PLINTHIC CATENA: UPLAND DUPLIX AND MARGALITIC SOILS RARE; Dystrophic and/or mesotrophic; red soils widespread
Ba29	PLINTHIC CATENA: UPLAND DUPLIX AND MARGALITIC SOILS RARE; Dystrophic and/or mesotrophic; red soils widespread
Ba35	PLINTHIC CATENA: UPLAND DUPLIX AND MARGALITIC SOILS RARE; Dystrophic and/or mesotrophic; red soils widespread
Ba36	PLINTHIC CATENA: UPLAND DUPLIX AND MARGALITIC SOILS RARE; Dystrophic and/or mesotrophic; red soils widespread
Bb23	PLINTHIC CATENA: UPLAND DUPLIX AND MARGALITIC SOILS RARE; Dystrophic and/or mesotrophic; red soils not widespread
Bc36	PLINTHIC CATENA: UPLAND DUPLIX AND MARGALITIC SOILS RARE; Eutrophic; red soils widespread
Fa14	GLENROSA AND/OR MISPAH FORMS (other soils may occur); Lime rare or absent in the entire landscape
Fa17	GLENROSA AND/OR MISPAH FORMS (other soils may occur); Lime rare or absent in the entire landscape
Fb15	GLENROSA AND/OR MISPAH FORMS (other soils may occur); Lime rare or absent in upland soils but generally present in low-lying soils
Fb5	GLENROSA AND/OR MISPAH FORMS (other soils may occur); Lime rare or absent in upland soils but generally present in low-lying soils
Ib41	MISCELLANEOUS LAND CLASSES; Rock areas with miscellaneous soils

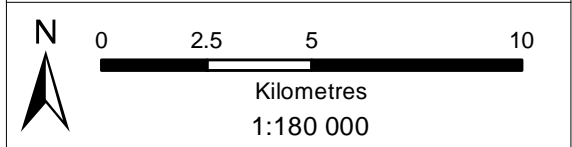
Land Types

Ab4	Bb23
Ab7	Bc36
Ba1	Fa14
Ba27	Fa17
Ba29	Fb15
Ba35	Fb5
Ba36	Ib41



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 Datum: WGS 1984 Revision Number: 3
 Central Meridian: 27°E Date: 07/12/2015



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Land Capability

Land Capability
Klingebeil, A., & Montgomery, P. (1961)

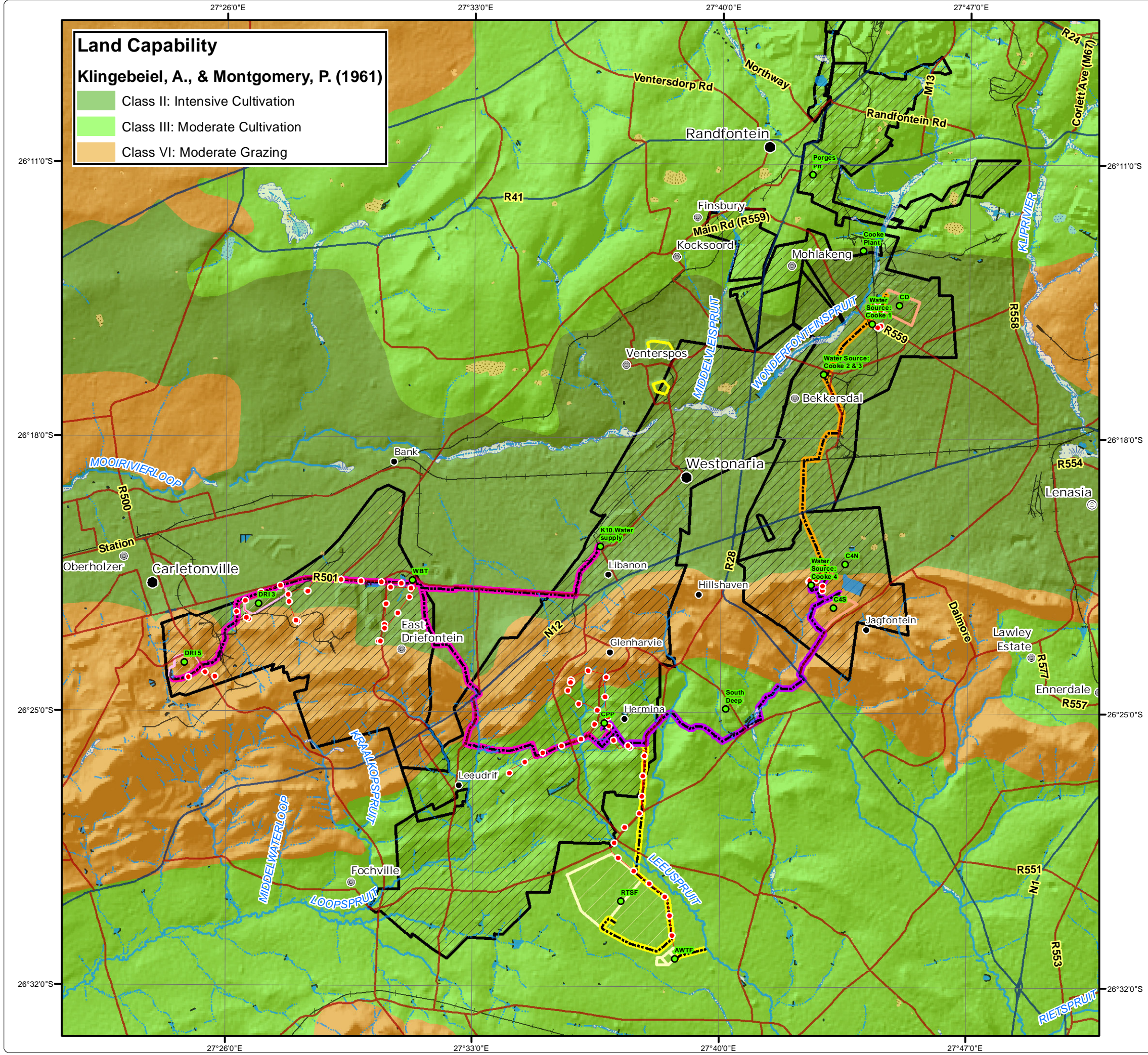
- Class II: Intensive Cultivation
- Class III: Moderate Cultivation
- Class VI: Moderate Grazing

Legend

- Major Town
- Secondary Town
- Other Town
- Settlement
- Arterial / National Route
- Main Road
- Railway Line
- Non-Perennial Stream
- Perennial Stream
- Dam Wall
- Dam / Lake
- Perennial Pan
- Non-Perennial Pan
- Wetland

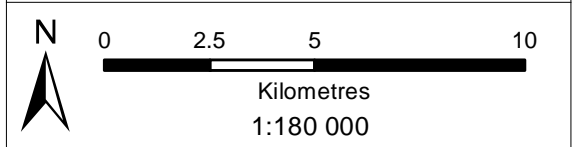
Infrastructure

- Infrastructure Point
- Powerlines
- Pipelines: Kloof Mining Right
- Pipelines: Driefontein Mining Right
- Pipelines: Cooke Mining Right
- Pipelines: Ezulwini Mining Right
- Regional Tailings Storage Facility
- TSF within Kloof Mining Right
- TSF within Driefontein Mining Right
- TSF within Cooke Mining Right
- Mining Right Boundary



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Datum: WGS 1984 Revision Number: 3
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Sibanye WRTRP EIA

Land Use

Land Use
SANBI, 2013

- Cultivated
- Degraded
- Mines
- Natural
- Plantations
- Urban Built-Up
- Waterbodies

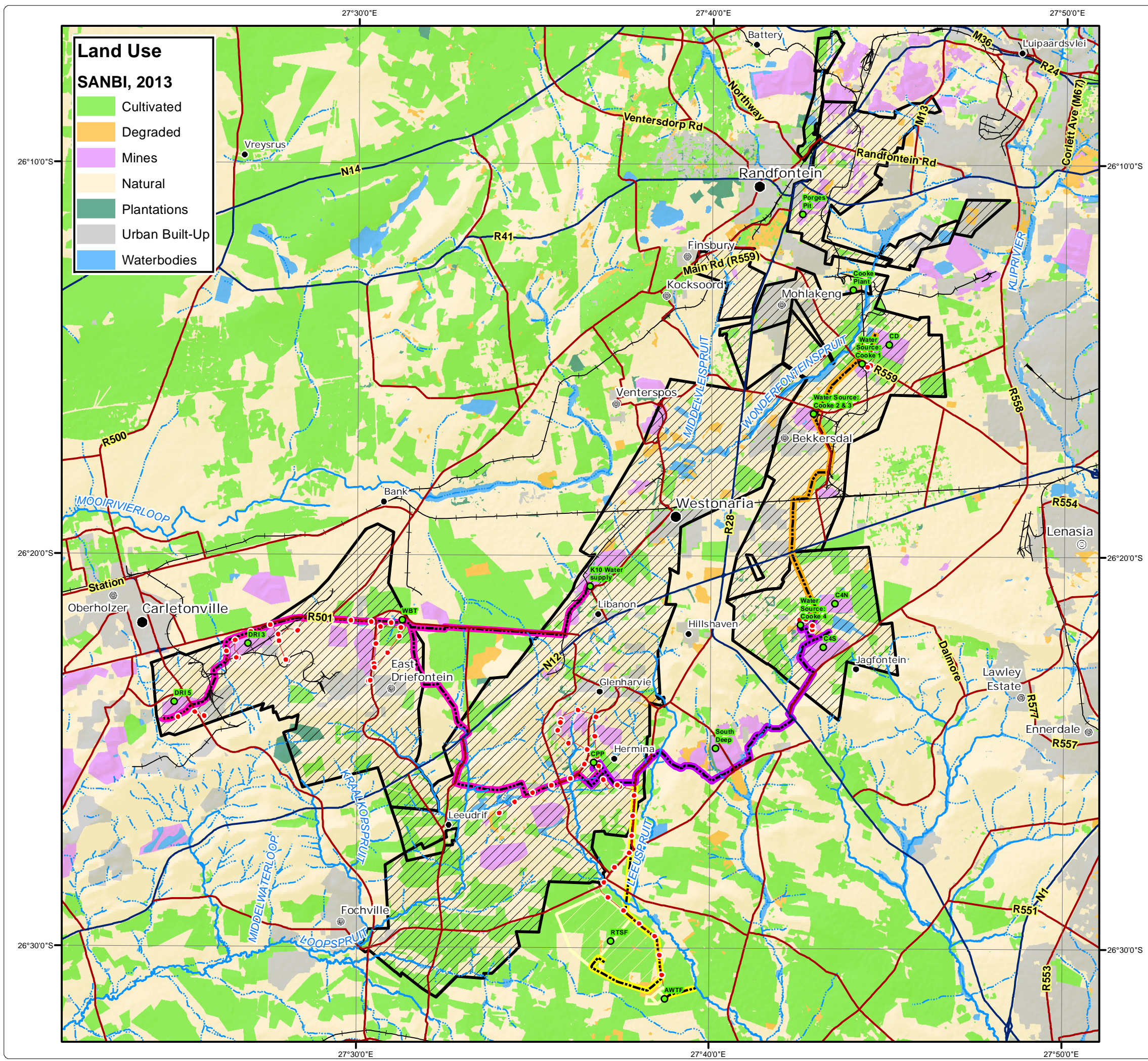
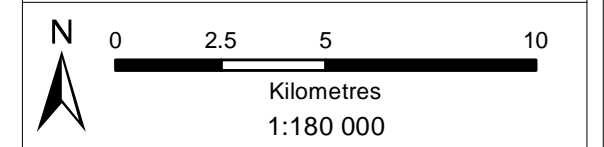
Legend

- Major Town
- Secondary Town
- Other Town
- Settlement
- Arterial / National Route
- Main Road
- Railway Line
- Non-Perennial Stream
- Perennial Stream
- Infrastructure Point
- Powerlines
- Pipelines: Kloof Mining Right
- Pipelines: Driefontein Mining Right
- Pipelines: Cooke Mining Right
- Pipelines: Ezulwini Mining Right
- Regional Tailings Storage Facility
- Mining Right Boundary

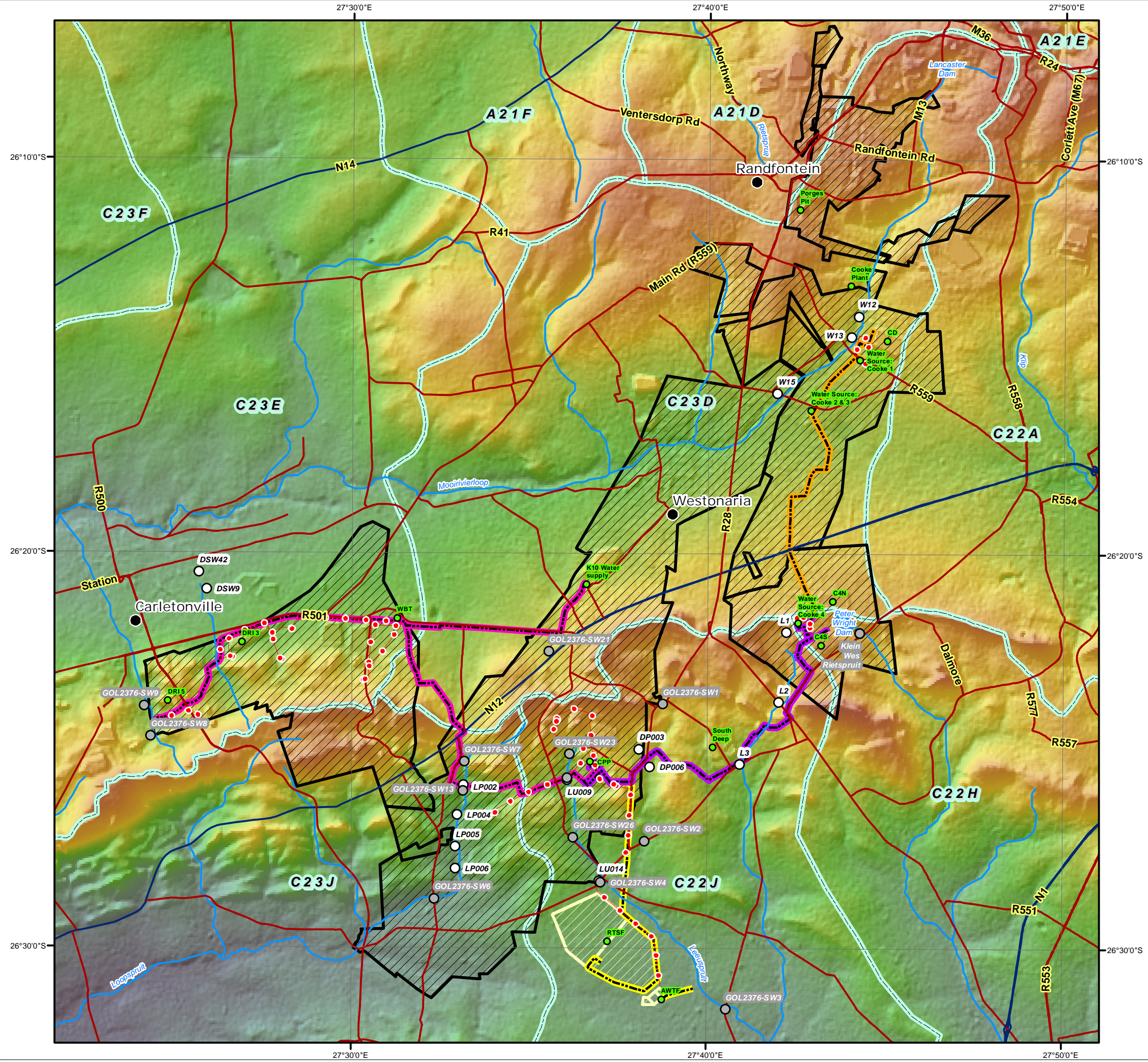


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 Datum: WGS 1984 Revision Number: 3
 Central Meridian: 27°E Date: 07/12/2015



Sibanye WRTRP EIA Quaternary Catchments and Monitoring Locations



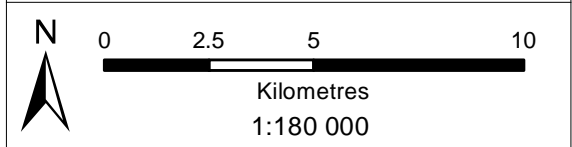
Legend

- Major Town
- Main Roads
- National Roads
- River
- Dam
- Quaternary Catchment Boundary
- Water Quality Monitoring**
- Sibanye
- Digby Wells
- Infrastructure**
- Infrastructure Point
- Powerlines
- Regional Tailings Storage Facility
- Pipelines: Kloof Mining Right
- Pipelines: Driefontein Mining Right
- Pipelines: Cooke Mining Right
- Pipelines: Ezulwini Mining Right
- ▨ Mining Right Boundary
- Topography Model**
- Elevation (m.a.m.s.l.)**
- High : 1838
- Low : 1395



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 Datum: WGS 1984 Revision Number: 3
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Sibanye WRTRP EIA

Vegetation Types

- Vegetation Types**
Mucina & Rutherford, 2006
- Andesite Mountain Bushveld
 - Carletonville Dolomite Grassland
 - Eastern Temperate Freshwater Wetlands
 - Gauteng Shale Mountain Bushveld
 - Gold Reef Mountain Bushveld
 - Rand Highveld Grassland
 - Soweto Highveld Grassland
 - Tsakane Clay Grassland

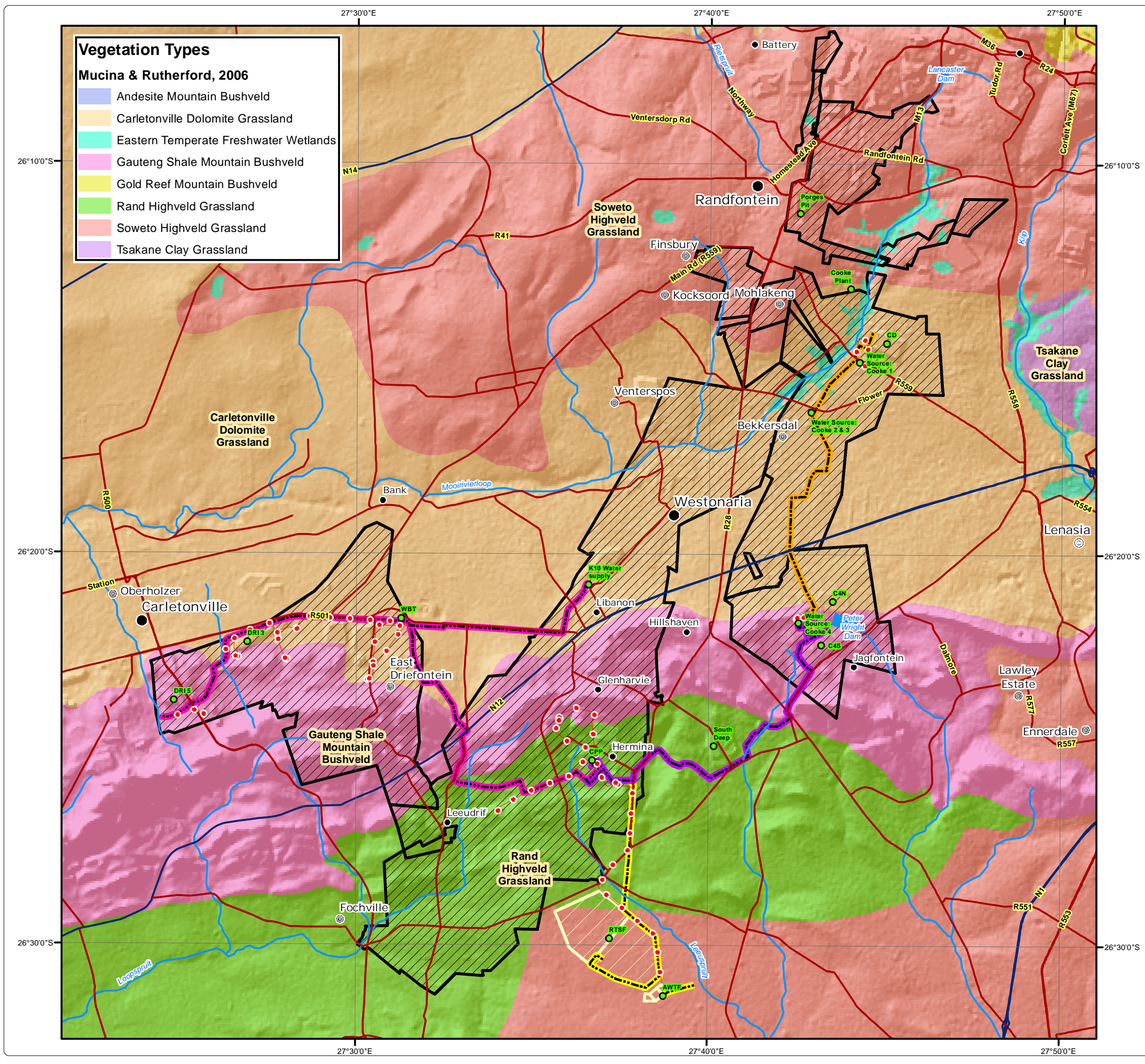
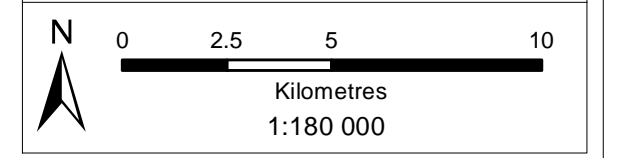
Legend

- Major Town
- ⊙ Secondary Town
- ⊙ Other Town
- Settlement
- Main Roads
- National Roads
- River
- Dam
- Infrastructure Point
- Powerlines
- Pipelines: Kloof Mining Right
- Pipelines: Driefontein Mining Right
- Pipelines: Cooke Mining Right
- Pipelines: Ezulwini Mining Right
- Regional Tailings Storage Facility
- ▨ Mining Right Boundary



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Projection: Transverse Mercator Ref #: sdp.GOL2376.201508.208
 Datum: WGS 1984 Revision Number: 3
 Central Meridian: 27°E Date: 07/12/2015



Sibanye WRTRP EIA

Driefontein Fauna and Flora Sensitivity Map

Legend

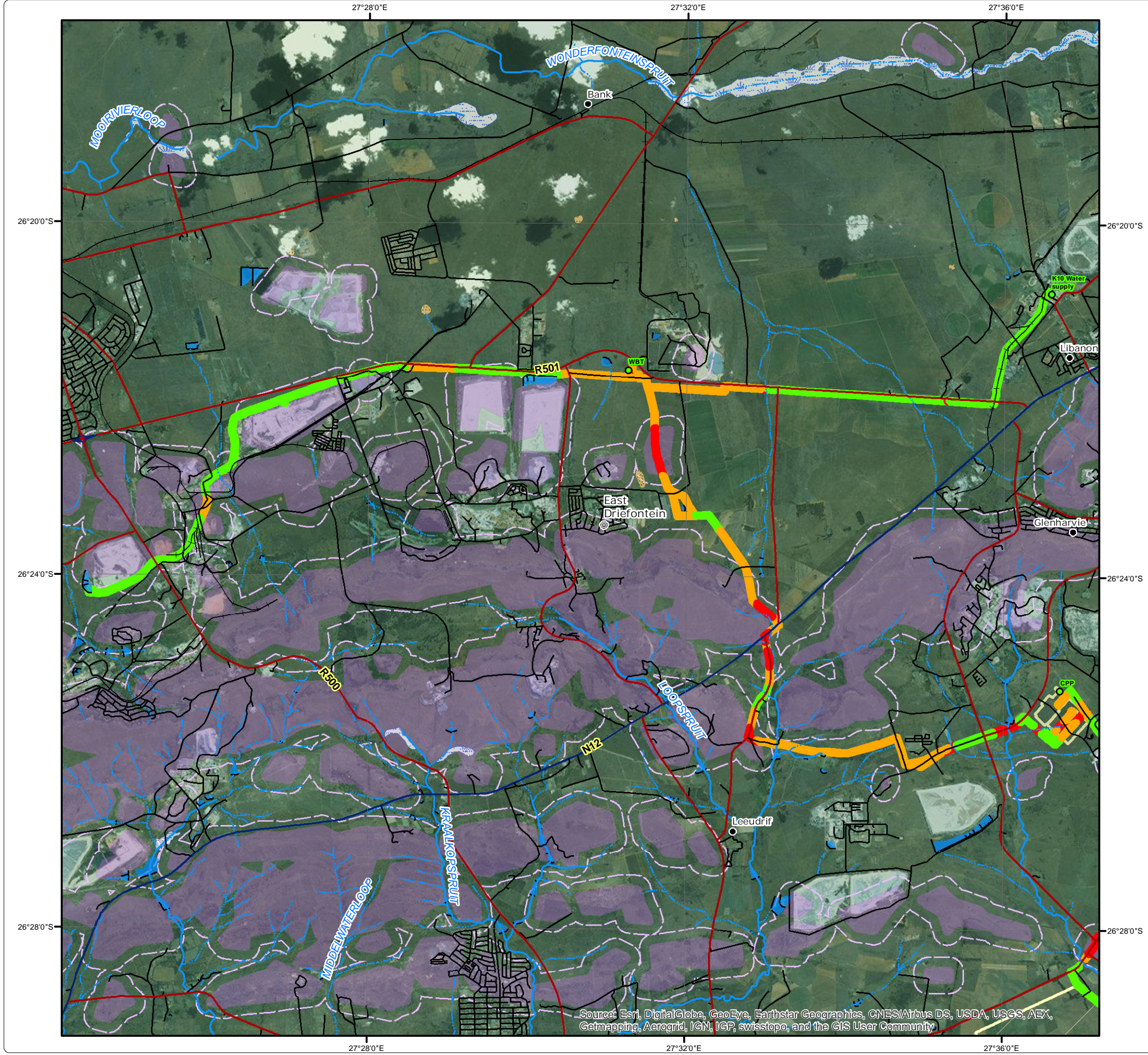
- Other Town
- Settlement
- Arterial / National Route
- Main Road
- Minor Road
- Railway Line
- Non-Perennial Stream
- Perennial Stream
- Dam Wall
- Dam / Lake
- Perennial Pan
- Non-Perennial Pan
- Wetland
- Infrastructure Point
- CPP and Uranium Plant Footprint
- Regional Tailings Storage Facility
- High
- Medium - High
- Low
- Ridge (High)
- 200m Ridge Buffer (Medium - High)

Infrastructure

- Infrastructure Point
- CPP and Uranium Plant Footprint
- Regional Tailings Storage Facility

Vegetation Sensitivity

- High
- Medium - High
- Low
- Ridge (High)
- 200m Ridge Buffer (Medium - High)



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

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 Datum: WGS 1984 Revision Number: 3
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