

**PROPOSED CONSTRUCTION
OF NEW IPHIVA
400/132 kV SUBSTATION**

WITHIN THE
NONGOMA LOCAL MUNICIPALITY,
KWAZULU-NATAL PROVINCE

GEOLOGY

Legend

- Proposed Substation
- Proposed Substation Footprint Area
- Authorised Substation
- Eskom Substation Access Road

Geology

- ARENITE
- BASALT
- MUDSTONE

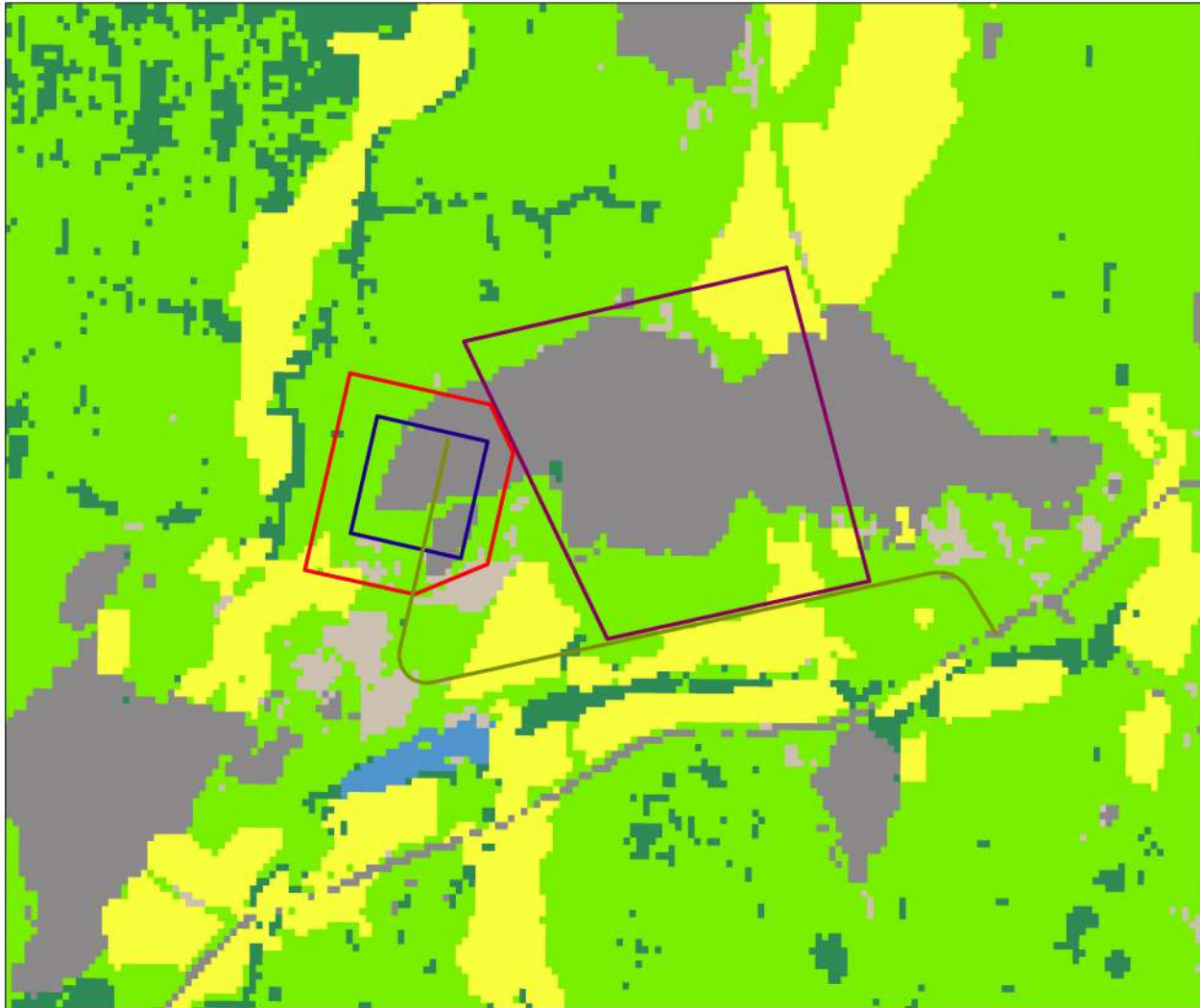
Source:
NGI, 2014



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|---------------------|-------------------|--------------------|
| Project No 17E91 | Prepared By SB | Date 17/01/2023 |
| Map Ref No 17081 | Revision 0 | Date |

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PROPOSED CONSTRUCTION OF NEW IPHVA 400/132 kV SUBSTATION
 WITHIN THE NONGOMA LOCAL MUNICIPALITY, KWAZULU-NATAL PROVINCE
BROAD LAND COVER CLASSIFICATION

Legend

- Rivers
- Eskom Substation Access Road
- Proposed Substation
- Proposed Substation Footprint Area
- Authorised Substation

Land Cover Classification

- Barren Land
- Built-Up Areas
- Cultivated Land
- Forested Land
- Grassland
- Mines & Quarries
- Shrubland
- Wetlands / Waterbodies

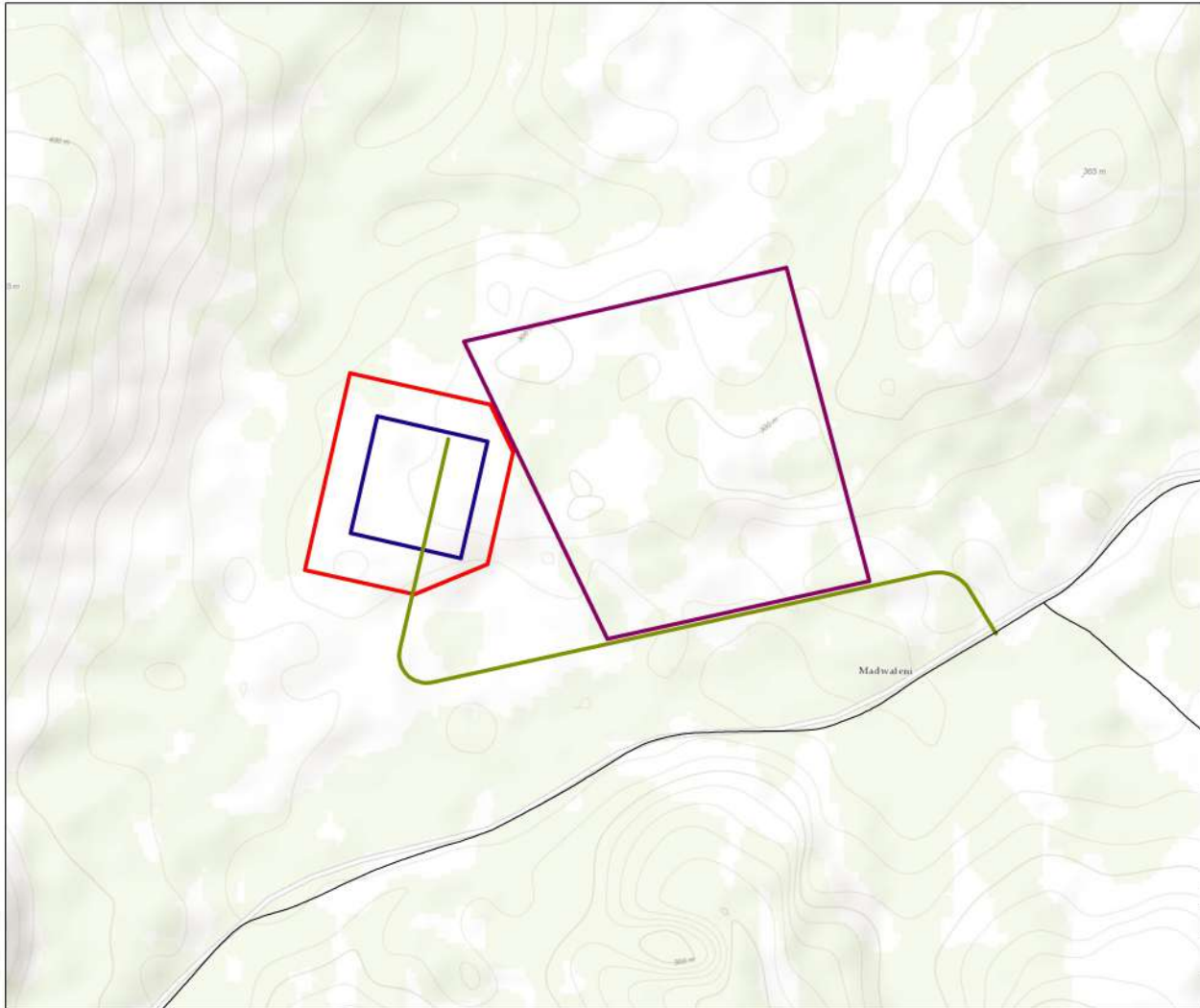
Source:
 NFEPA, 2011
 2018 SA NATIONAL LAND COVER
 (© GEOTERRAINIMAGE - 2018)



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**PROPOSED CONSTRUCTION
OF NEW IPHVA
400/132 kV SUBSTATION**
WITHIN THE
NONGOMA LOCAL MUNICIPALITY,
KWAZULU-NATAL PROVINCE
PROPOSED LAYOUT

Legend

- Secondary Road (existing)
- Proposed Substation
- Proposed Substation Footprint Area
- Authorised Substation
- Eskom Substation Access Road

Source:
NGI, 2014

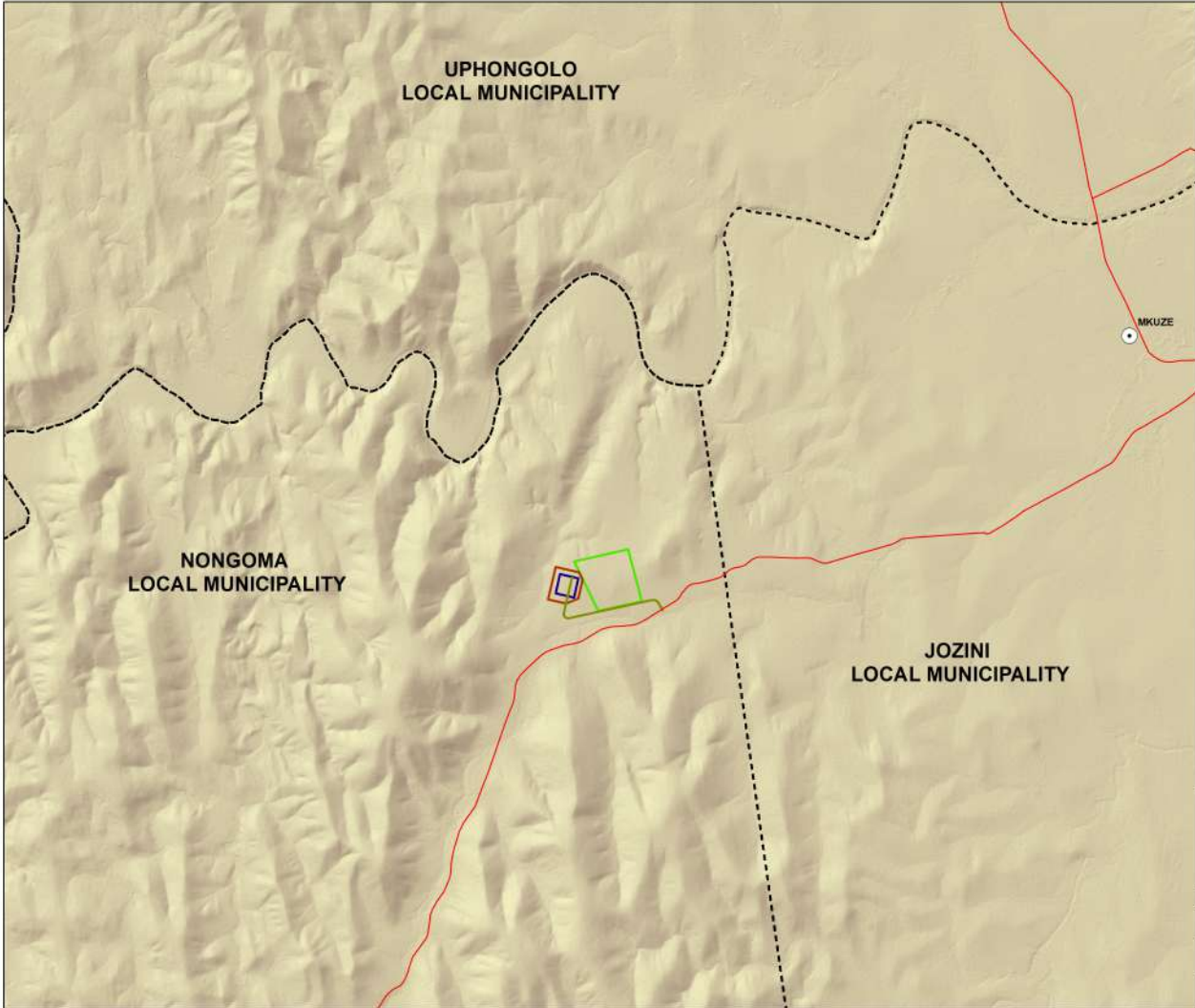


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| Project No 17891 | Prepared By SB | Date 20/01/2022 |
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PROPOSED CONSTRUCTION OF NEW IPHIVA 400/132 kV SUBSTATION WITHIN NONGOMA LOCAL MUNICIPALITY KWAZULU-NATAL PROVINCE REGIONAL CONTEXT

- Legend**
- Main Towns
 - Secondary Roads
 - - - Local Municipal Boundaries
 - Eskom Substation Access Road
 - Proposed Substation
 - Proposed Substation Footprint Area
 - Authorised Substation



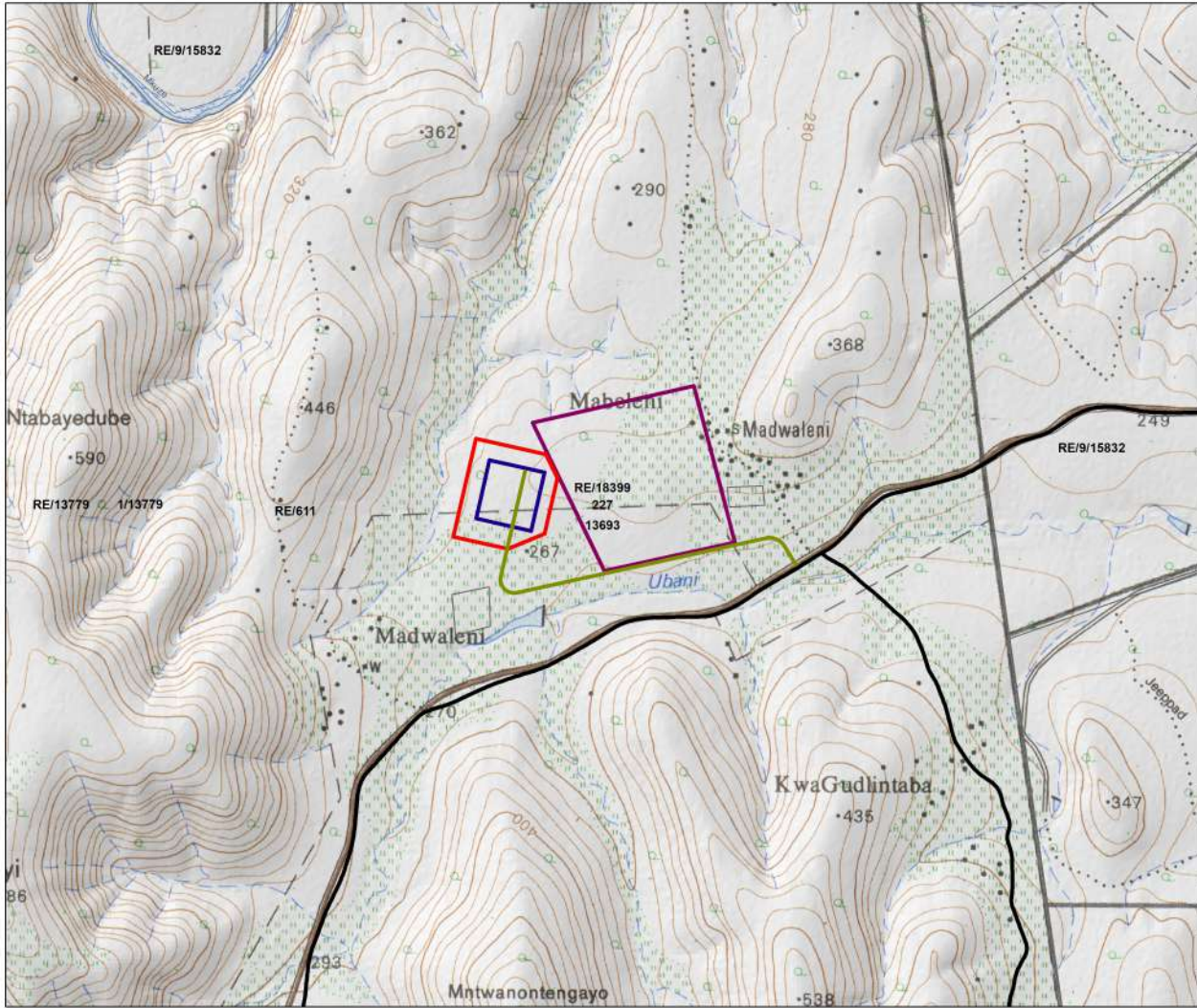
Source:
NGI, 2014
MUNICIPAL DEMARCATION BOARD, 2016

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**PROPOSED CONSTRUCTION
OF NEW IPHVA
400/132 kV SUBSTATION**
WITHIN THE
NONGOMA LOCAL MUNICIPALITY,
KWAZULU-NATAL PROVINCE

SITE LOCALITY

Legend

-  Secondary Road (existing)
-  Rivers
-  Farm Portions
-  Proposed Substation
-  Proposed Substation Footprint Area
-  Authorised Substation
-  Eskom Substation Access Road

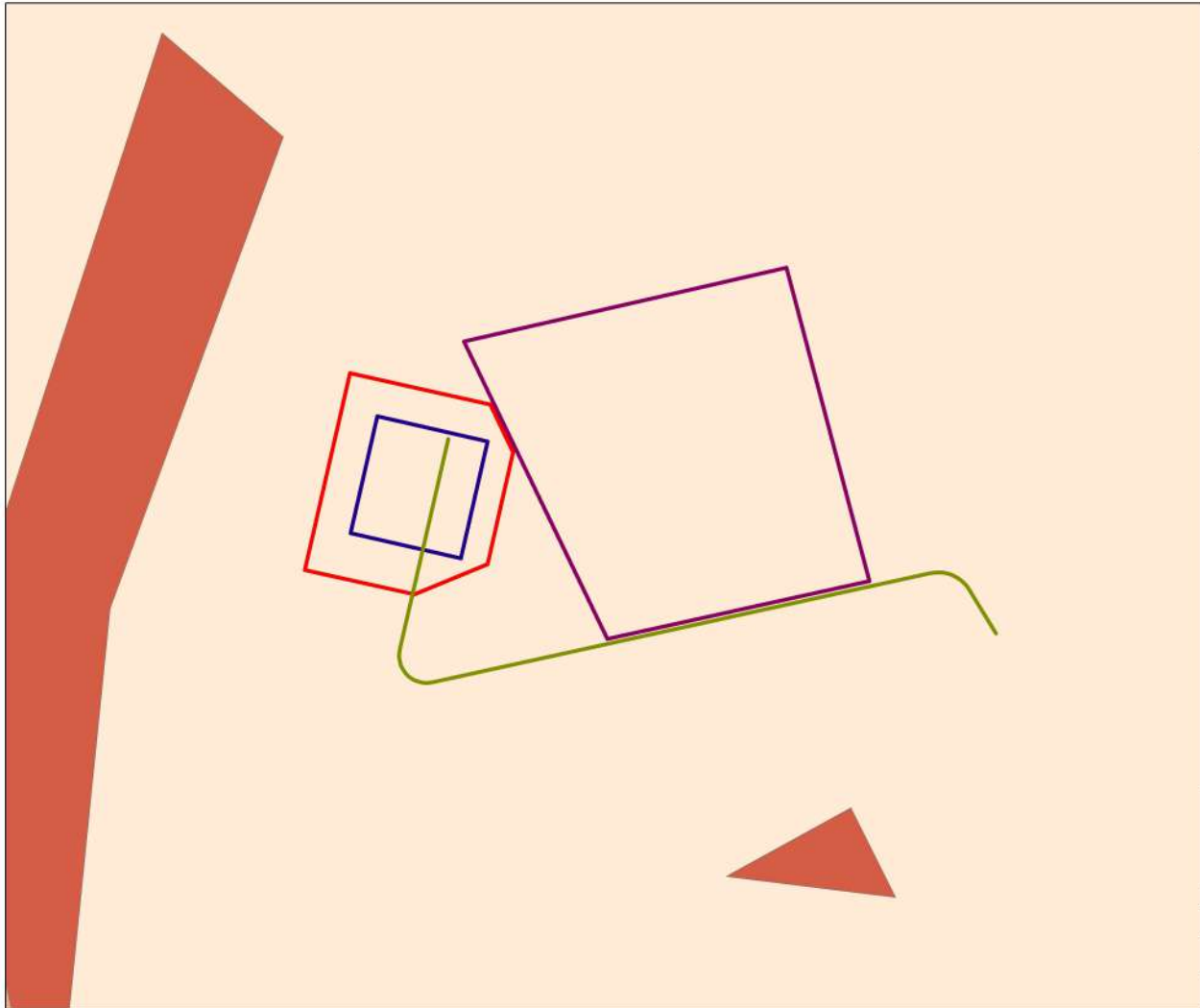
Source:
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**PROPOSED CONSTRUCTION
OF NEW IPHIVA
400/132 kV SUBSTATION**
WITHIN THE
NONGOMA LOCAL MUNICIPALITY,
KWAZULU-NATAL PROVINCE

SLOPE

Legend

- Proposed Substation
- Proposed Substation Footprint Area
- Authorised Substation
- Eskom Substation Access Road

Slope (percentage)

- 0 - 9%
- 15 - 25%
- 9 - 15%
- > 25%

Source:
NGI, 2014



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400/132 kV SUBSTATION**
WITHIN THE
NONGOMA LOCAL MUNICIPALITY,
KWAZULU-NATAL PROVINCE

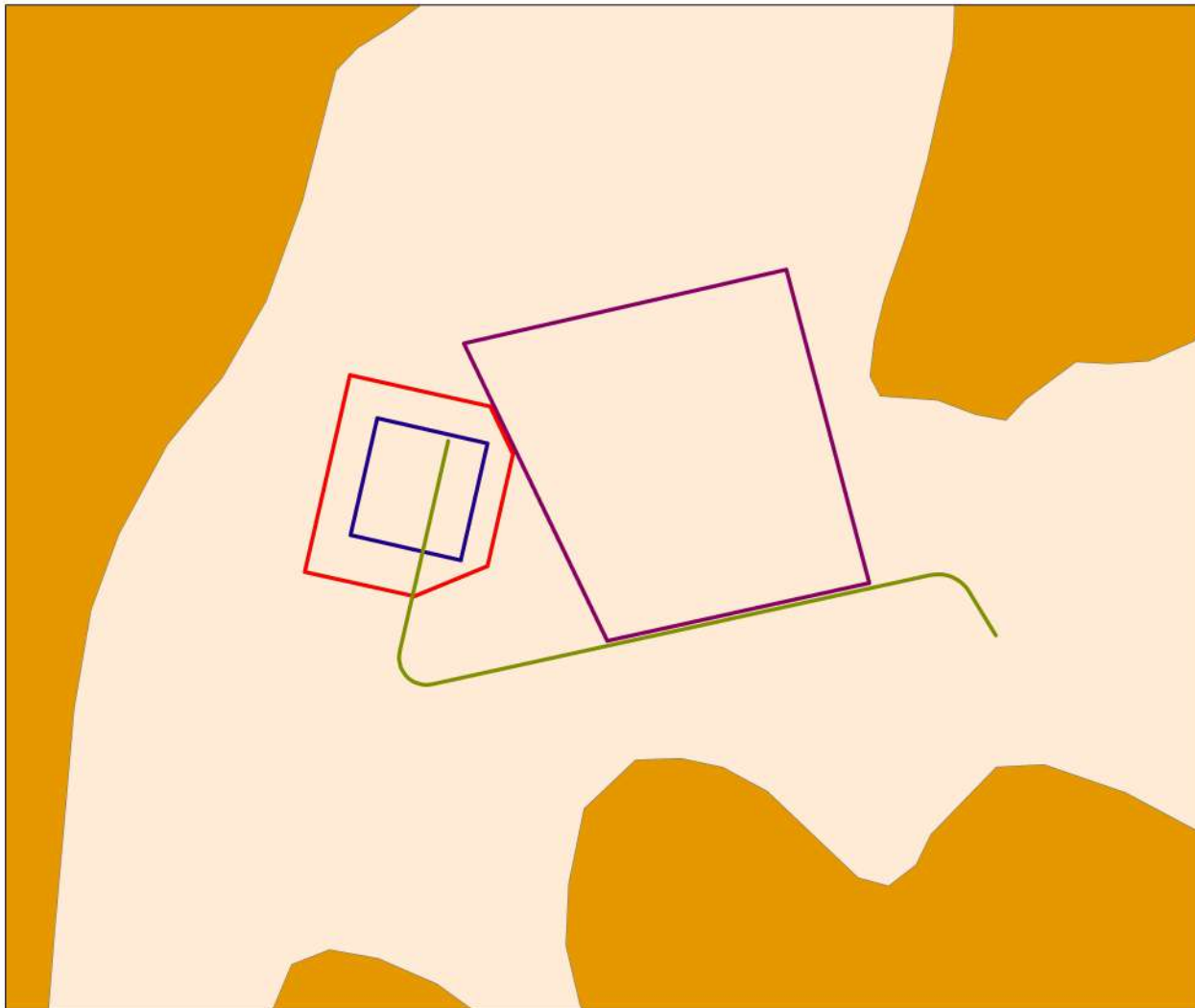
SOILS

Legend

-  Proposed Substation
-  Proposed Substation Footprint Area
-  Authorised Substation
-  Eskom Substation Access Road

Soil Description

-  Glenrosa and/or Mispah forms (other soils may occur), lime rare or absent in upland soils but generally present in low-lying soils
-  One or more of: vertic, melanic, red structured diagnostic horizons, undifferentiated



Source:
NGI, 2014



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**PROPOSED CONSTRUCTION
OF NEW IPHIVA
400/132 kV SUBSTATION**
WITHIN THE
NONGOMA LOCAL MUNICIPALITY,
KWAZULU-NATAL PROVINCE
VEGETATION CLASSIFICATION

Legend

- Rivers
- Proposed Substation
- Proposed Substation Footprint Area
- Authorised Substation
- Eskom Substation Access Road

Vegetation Classification

- Zululand Lowveld

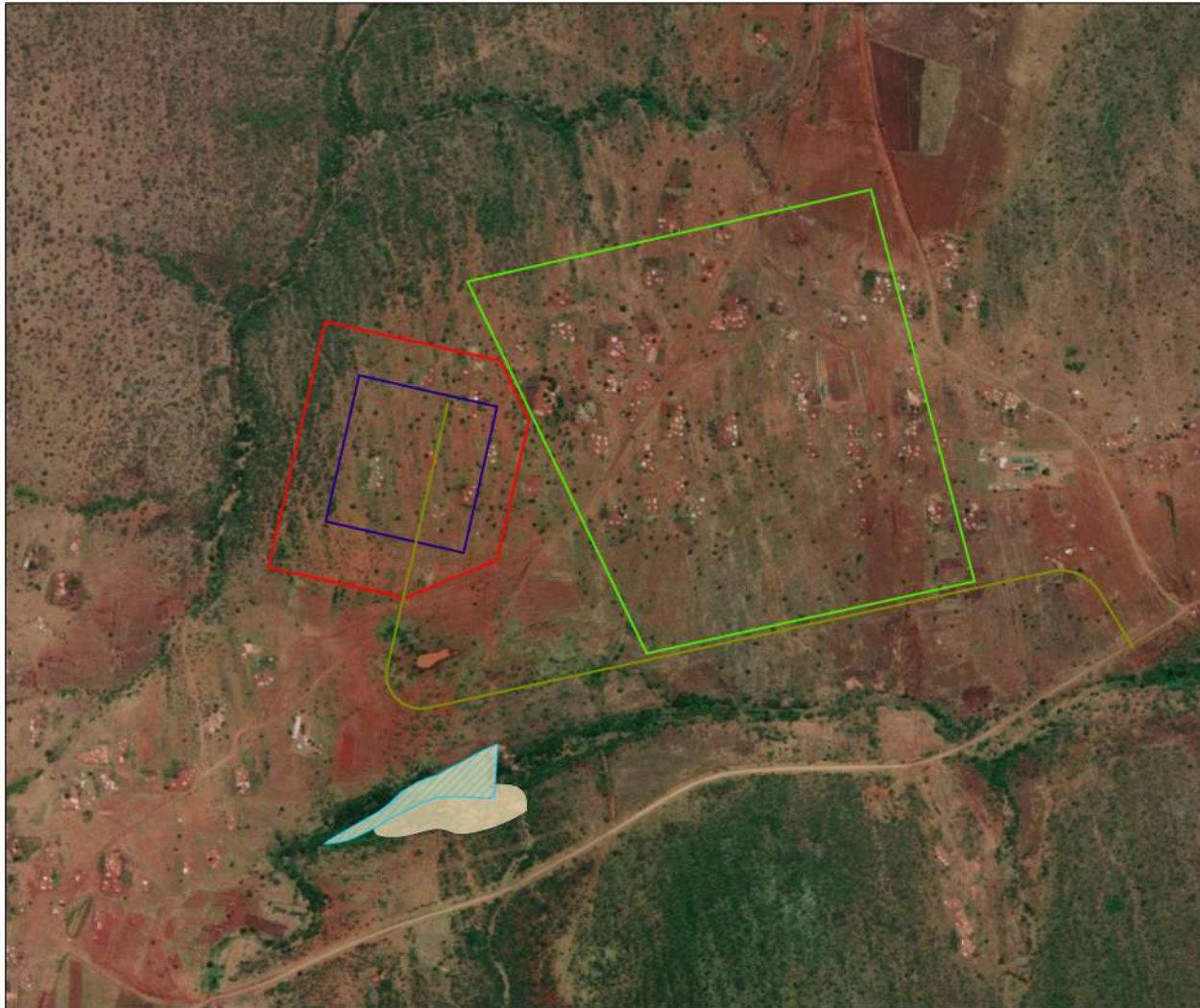
Source:
SANBI, 2018
NFEPA, 2011



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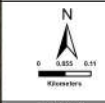


**PROPOSED CONSTRUCTION
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400/132 kV SUBSTATION**
WITHIN THE
NONGOMA LOCAL MUNICIPALITY,
KWAZULU-NATAL PROVINCE
WETLANDS

Legend

- Proposed Substation
- Proposed Substation Footprint Area
- Authorised Substation
- Eskom Substation Access Road
- SAIIE Wetlands
- NFEPA Wetlands

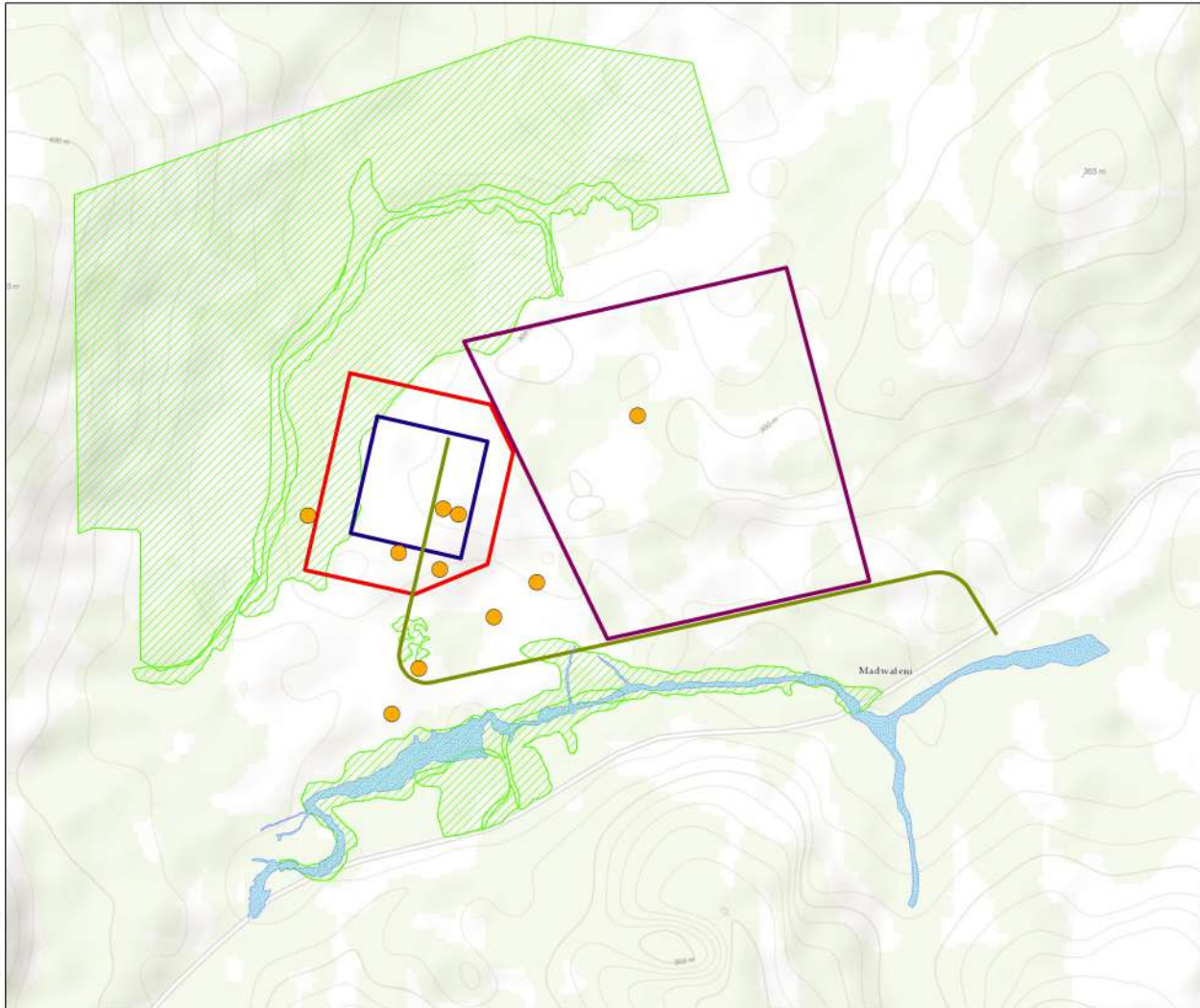
Source:
NFEPA 2011
NGL 2014



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WITHIN THE
NONGOMA LOCAL MUNICIPALITY,
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SENSITIVITY LAYOUT

Legend

- Proposed Substation
- Proposed Substation Footprint Area
- Authorised Substation
- Eskom Substation Access Road

Environmental Sensitivities

- Aquatic
- Heritage
- ▨ Terrestrial

Source:
NGI, 2014



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