

**ABO UJEKAMANZI
WIND ENERGY FACILITIES
AND
ASSOCIATED INFRASTRUCTURE**
**WITHIN THE
DR PIXLEY KA ISAKA SEME
LOCAL MUNICIPALITY,
MPUMALANGA PROVINCE**
CRITICAL BIODIVERSITY AREAS

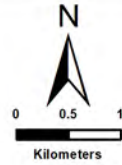
Legend

-  National Route
-  400kV OHL (existing)
-  Rivers
-  132kV OHL (part of a separate BA application)
-  LILO
-  MTS
-  Ujekamanzi WEF 2 Application Site

CBA Classification

-  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
-  Other Natural Areas
-  Moderately modified- Old lands
-  Heavily modified

Source:
NFEPA, 2011
ESKOM, 2012
MPUMALANGA BIODIVERSITY SPATIAL PLAN, 2017



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Map Ref No 18395	Revision 0	Date

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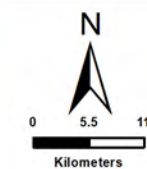
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**WITHIN THE
DR PIXLEY KA ISAKA SEME
LOCAL MUNICIPALITY,
MPUMALANGA PROVINCE
EGI & REDZ**

Legend

-  Provincial Boundary
-  REDZ9 Emalahleni
-  Internal Corridor
-  400kV OHL (existing)
-  132kV OHL (part of a separate BA application)
-  LILO
-  MTS
-  Ujekamanzi WEF 2 Application Site

Source:
NGI, 2014
DFFE, 2022



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WITHIN THE
DR PIXLEY KA ISAKA SEME
LOCAL MUNICIPALITY,
MPUMALANGA PROVINCE
LANDCOVER CLASSIFICATION**

Legend

-  National Route
-  400kV OHL (existing)
-  Rivers
-  132kV OHL (part of a separate BA application)
-  LILO
-  MTS
-  Ujekamanzi WEF 2 Application Site

Landcover Classification

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

Source:
ESKOM, 2012
NFEPA, 2011
2018 SA NATIONAL LAND COVER
(© GEOTERRAIMAGE - 2018)





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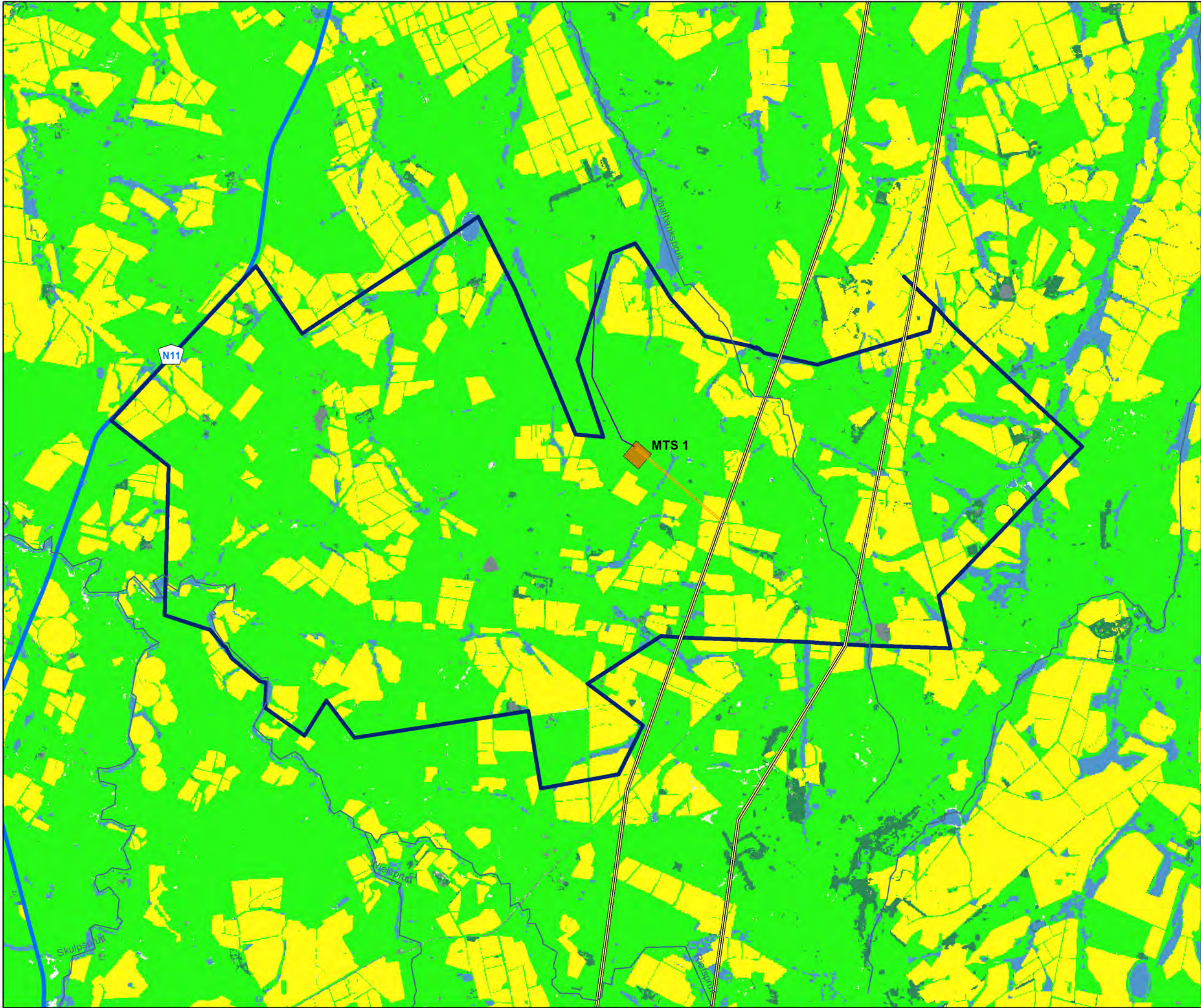
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DR PIXLEY KA ISAKA SEME
LOCAL MUNICIPALITY,
MPUMALANGA PROVINCE
SENSITIVITY LAYOUT**

Legend

-  400kV OHL (existing)
-  132kV OHL (part of a separate BA application)
-  LILO
-  MTS
-  Ujekamanzi WEF 2 Application Site

Environmental Sensitivities (No-Go)

-  Agriculture
-  Aquatic
-  Avifauna
-  Bat
-  BESS
-  Heritage
-  Terrestrial
-  Visual

Environmental Sensitivities

-  Avifauna

Source:
NGI, 2014
ESKOM, 2012

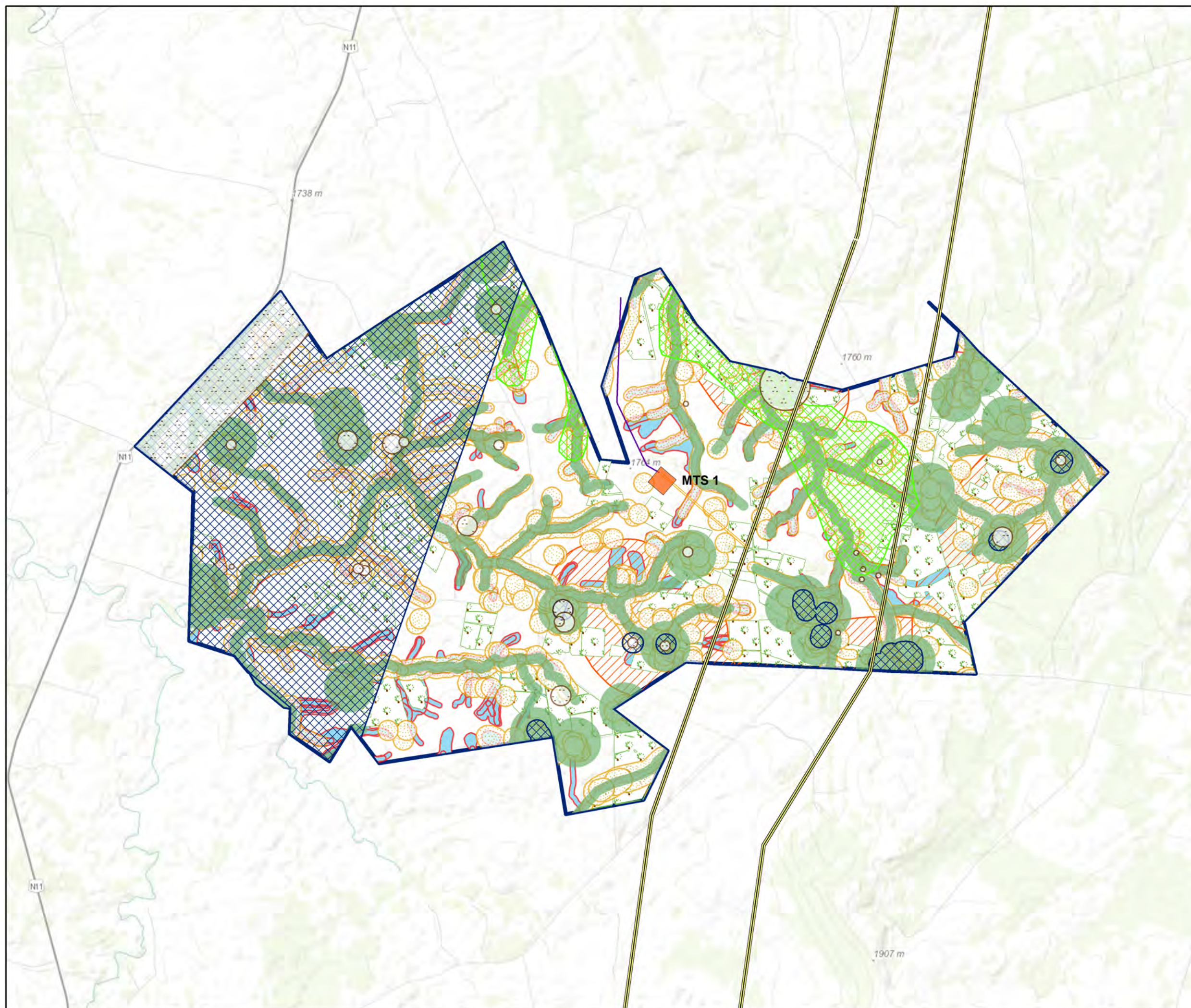


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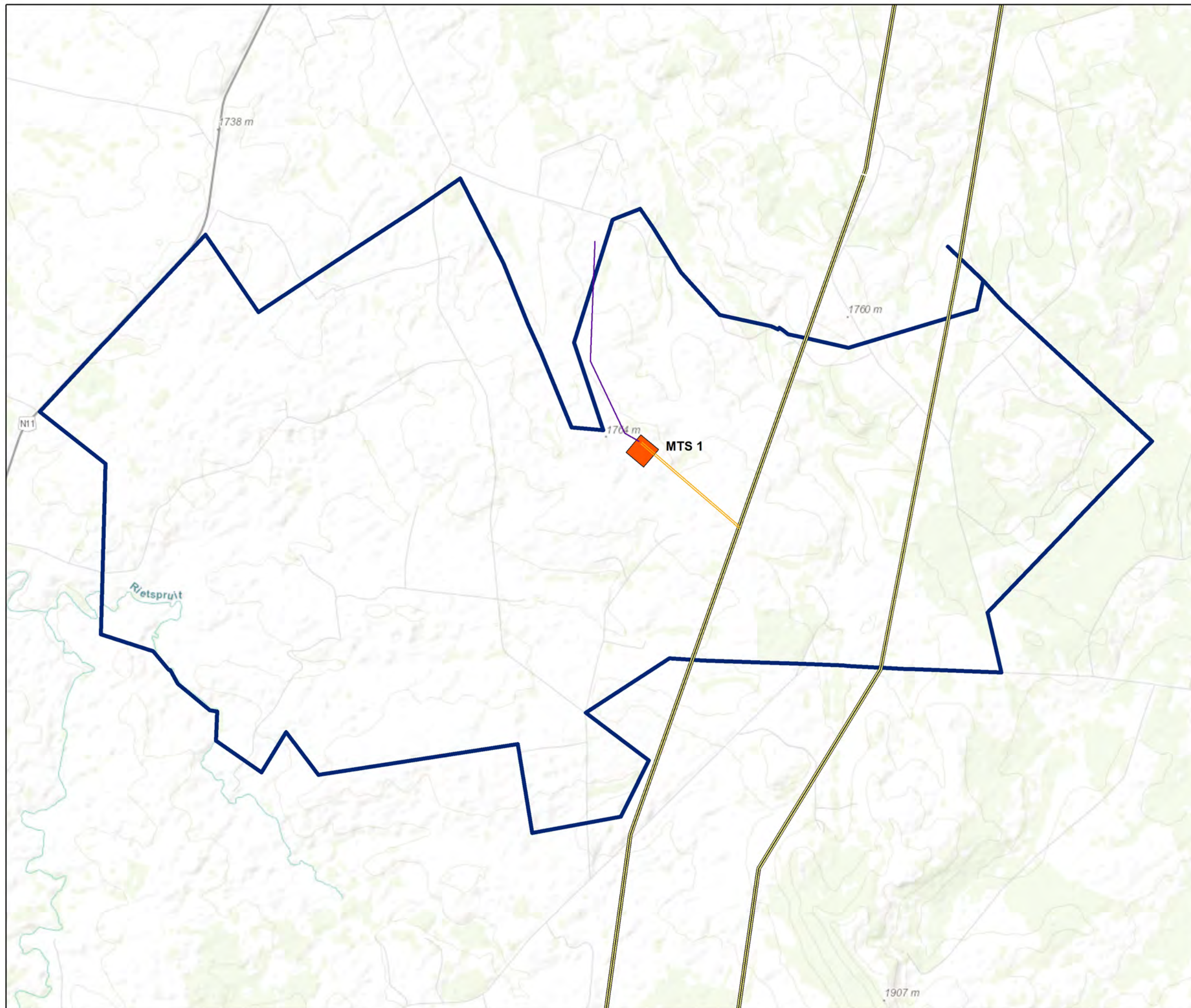
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WITHIN THE
DR PIXLEY KA ISAKA SEME
LOCAL MUNICIPALITY,
MPUMALANGA PROVINCE
PROPOSED LAYOUT**

Legend

-  400kV OHL (existing)
-  132kV OHL (part of a separate BA application)
-  LILO
-  MTS
-  Ujekamanzi WEF 2 Application Site



Source:
NGI, 2014



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AND
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**WITHIN THE
DR PIXLEY KA ISAKA SEME
LOCAL MUNICIPALITY,
MPUMALANGA PROVINCE
PROTECTED AREAS**

Legend

- National Route
- 400kV OHL (existing)
- Rivers
- Protected Areas
- NPAES
- 132kV OHL (part of a separate BA application)
- LILO
- MTS
- Ujekamanzi WEF 2 Application Site

Source:
NFEPA, 2011
DFFE, 2022
ESKOM, 2012

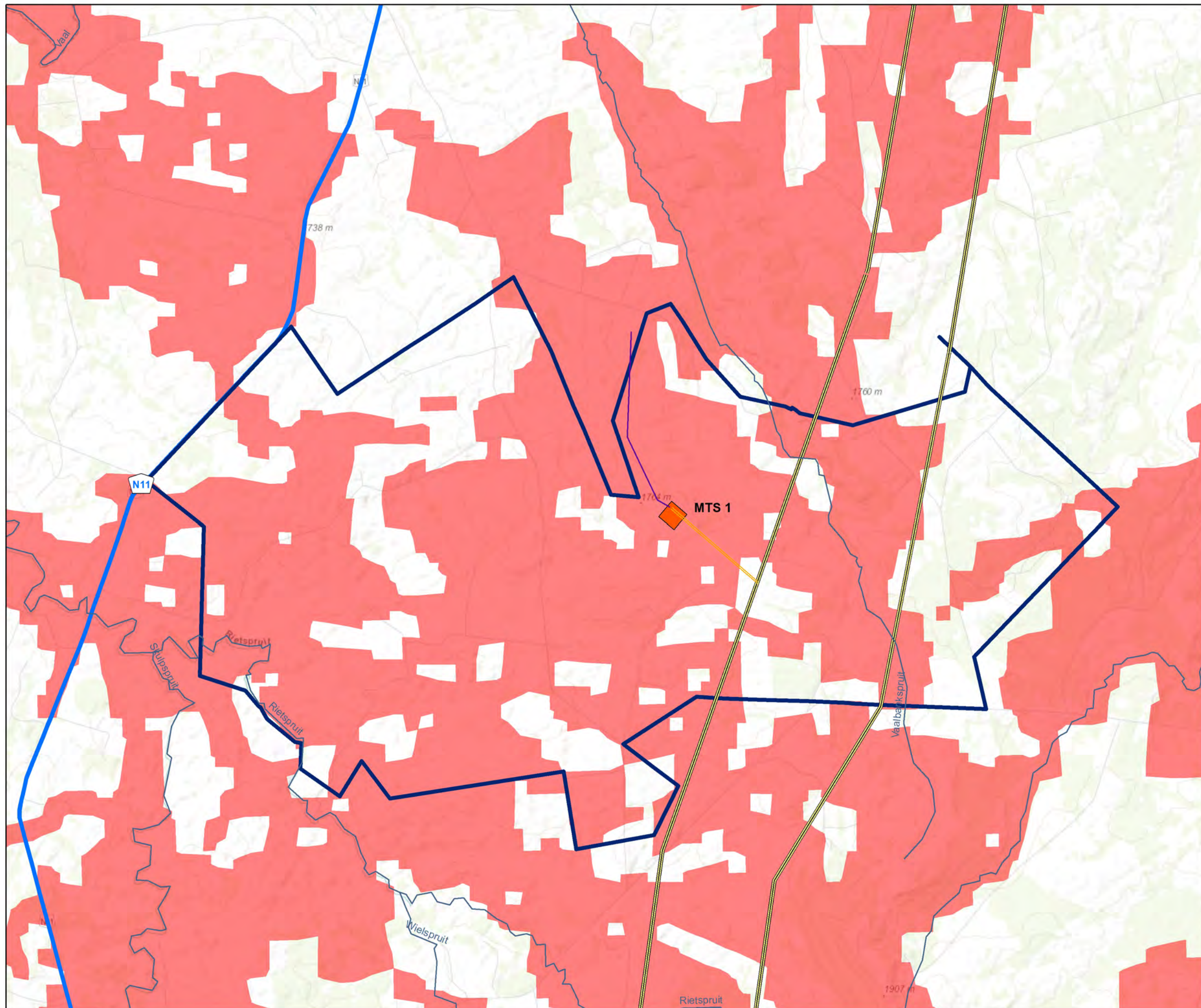


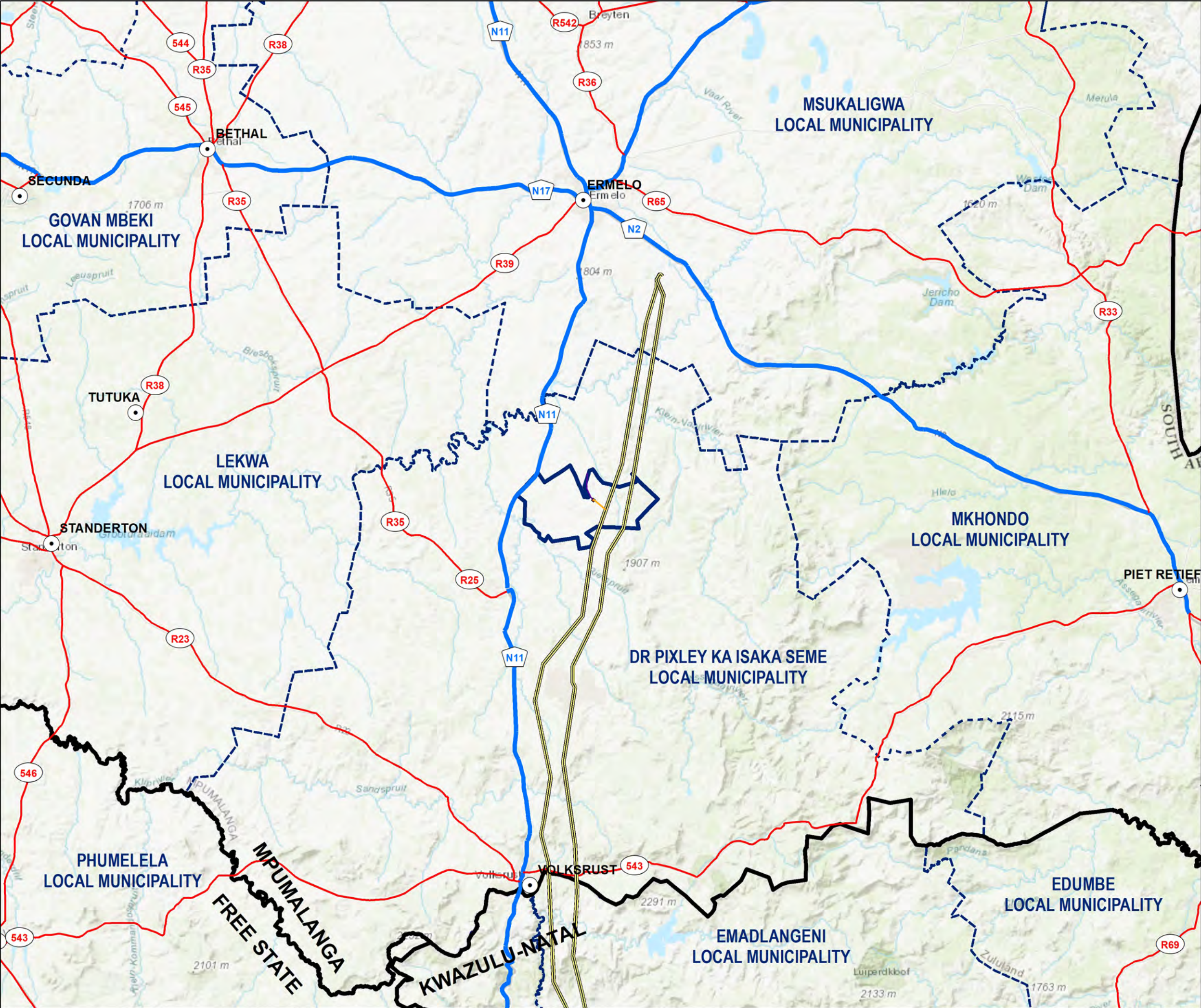
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**WITHIN THE
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LOCAL MUNICIPALITY,
MPUMALANGA PROVINCE
REGIONAL CONTEXT**

Legend

- Main Towns
- National Route
- Arterial Routes
- 400kV OHL (existing)
- Provincial Boundary
- Local Municipal Boundaries
- 132kV OHL (part of a separate BA application)
- LILO
- MTS
- Ujekamanzi WEF 2 Application Site



Source:
NGI, 2014
MUNICIPAL DEMARCATION BOARD, 2016



0 3.5 7
Kilometers

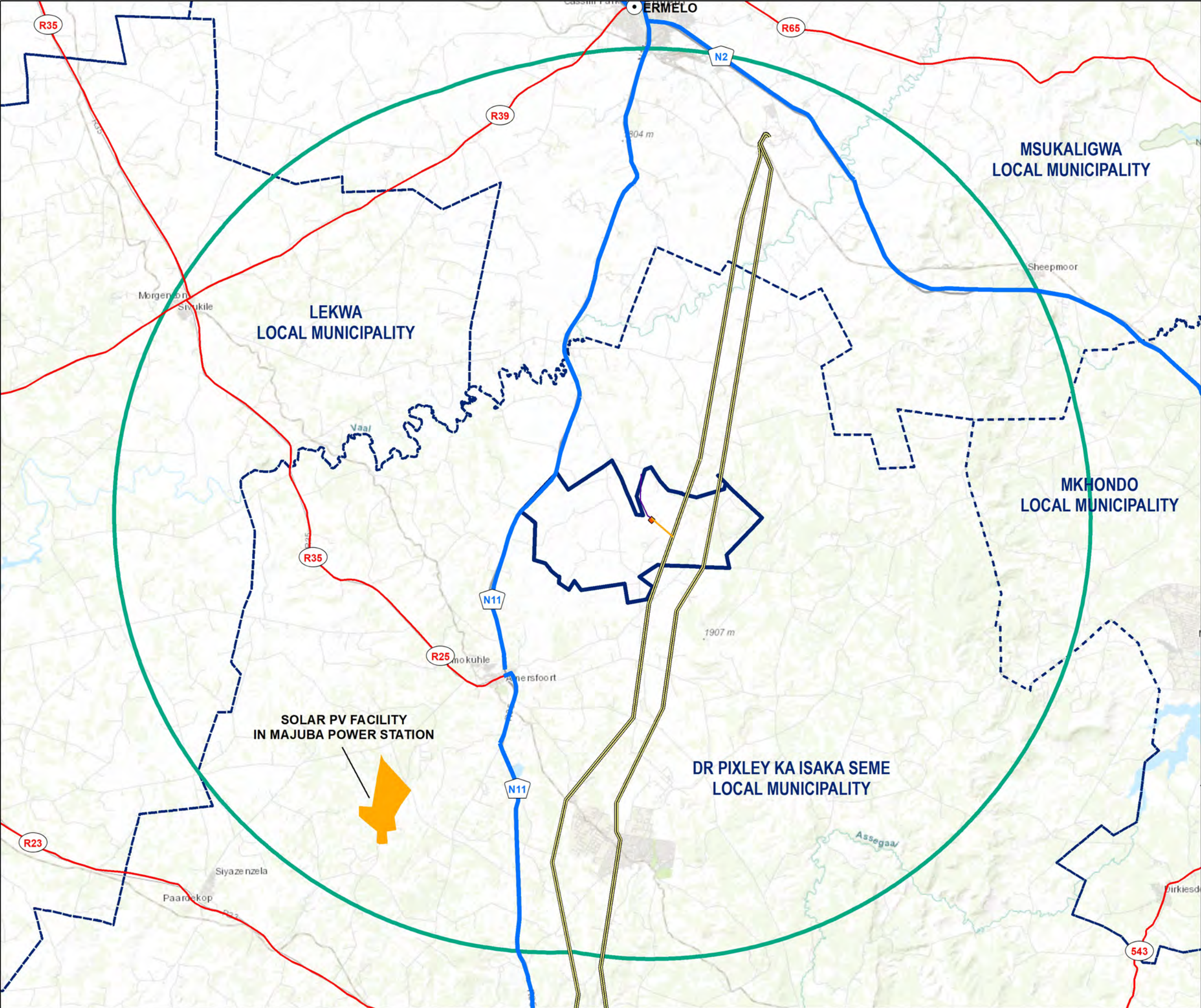


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LOCAL MUNICIPALITY,
MPUMALANGA PROVINCE
RENEWABLE ENERGY PROJECTS
(EXISTING AND PROPOSED)**

Legend

- Main Towns
- National Routes
- Arterial Routes
- 400kV OHL (existing)
- Local Municipal Boundaries
- 132kV OHL (part of a separate BA application)
- MTS
- LILO
- 35km Radius
- Ujekamanzi WEF 2 Application Site

Renewable Energy Application Sites

- Solar PV

Source:
NGI, 2014
DFFE, 2022
MUNICIPAL DEMARCATION BOARD, 2016

N

0 2 4
Kilometers

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LOCAL MUNICIPALITY,
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SENSITIVITY LAYOUT**

Legend

 Ujekamanzi WEF 2 Application Site

Environmental Sensitivities (No-Go)

-  Agriculture
-  Aquatic
-  Avifauna
-  Bat
-  BESS
-  Heritage
-  Terrestrial
-  Visual

Environmental Sensitivities

 Avifauna

Source:
NGI, 2014
ESKOM, 2012



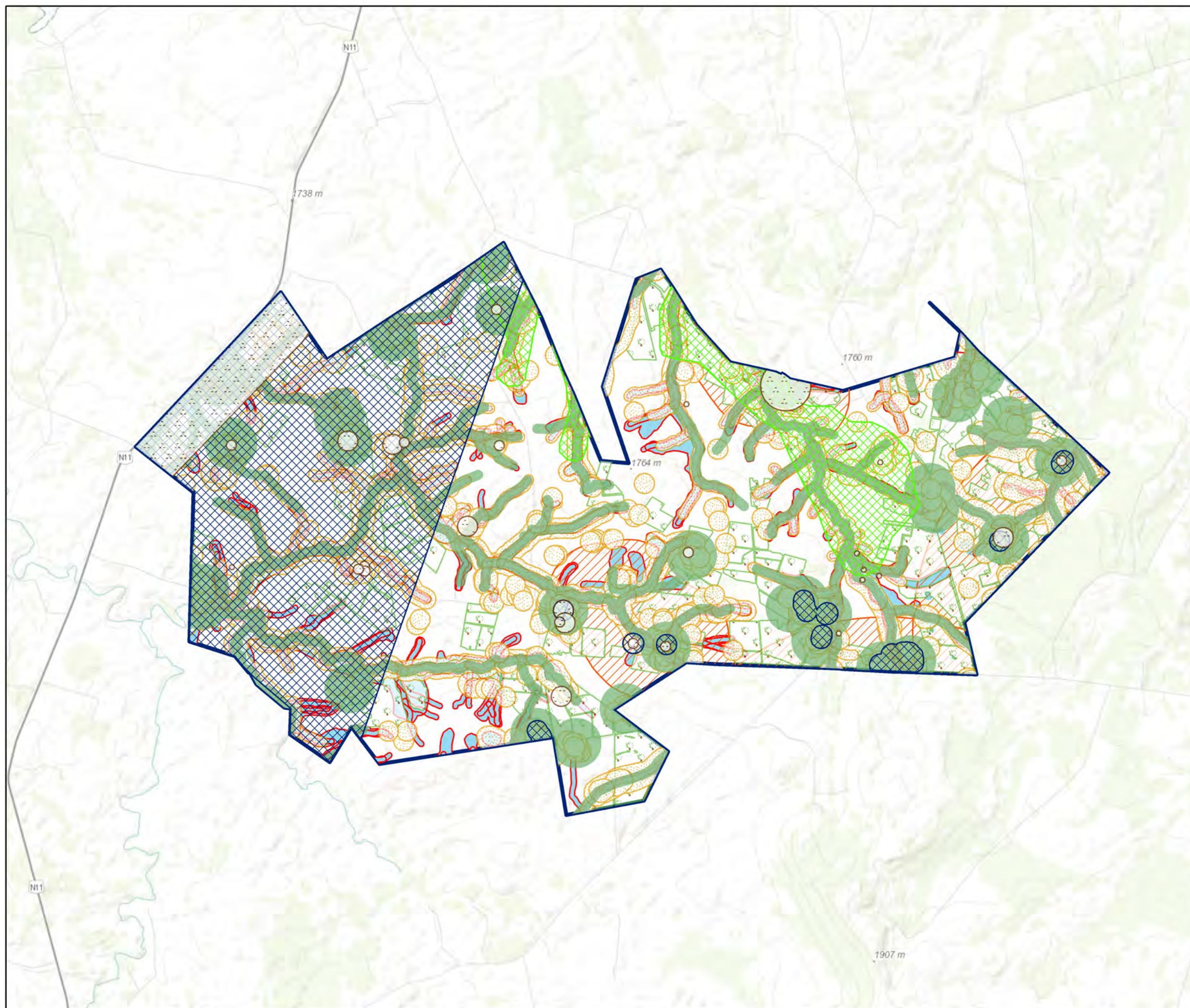
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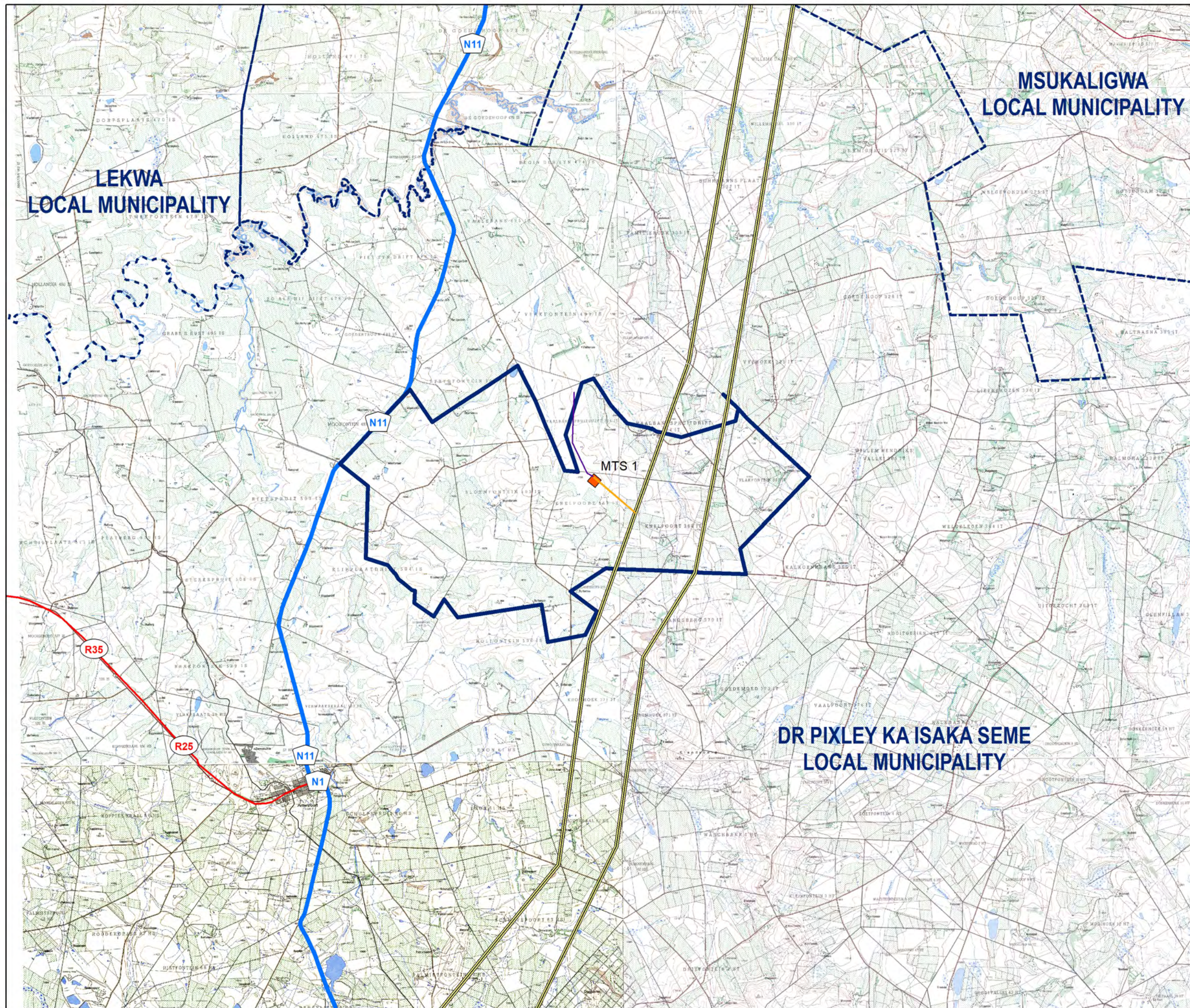
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MPUMALANGA PROVINCE
SITE LOCALITY**

- Legend**
- National Route
 - Arterial Route
 - 400kV OHL (existing)
 - Rivers
 - Local Municipal Boundaries
 - 132kV OHL (part of a separate BA application)
 - LILO
 - MTS
 - Ujekamanzi WEF 2 Application Site

Source:
NGI, 2014
ESKOM, 2012
MUNICIPAL DEMARCATION BOARD, 2016

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VEGETATION CLASSIFICATION**

Legend

-  National Route
-  400kV OHL (existing)
-  Rivers
-  132kV OHL (part of a separate BA application)
-  LILO
-  MTS
-  Ujekamanzi WEF 2 Application Site

Vegetation Classification

-  Amersfoort Highveld Clay Grassland
-  Northern Afrotemperate Forest
-  Soweto Highveld Grassland
-  Wakkerstroom Montane Grassland

Source:
NFEPA, 2011
SANBI, 2018
ESKOM, 2012



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