




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



Legend

-  Proposed Substation Alternatives
-  Buildable Areas
-  Ujekamanzi WEF 1 Application Site

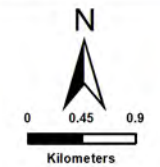
Environmental Sensitivities (No-Go)

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

Environmental Sensitivities

-  Agriculture
-  Avifauna

Source:
NGI, 2014



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Project No 18395	Prepared By SB	Date 23/05/2023
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Map Ref No 18395	Revision 0	Date
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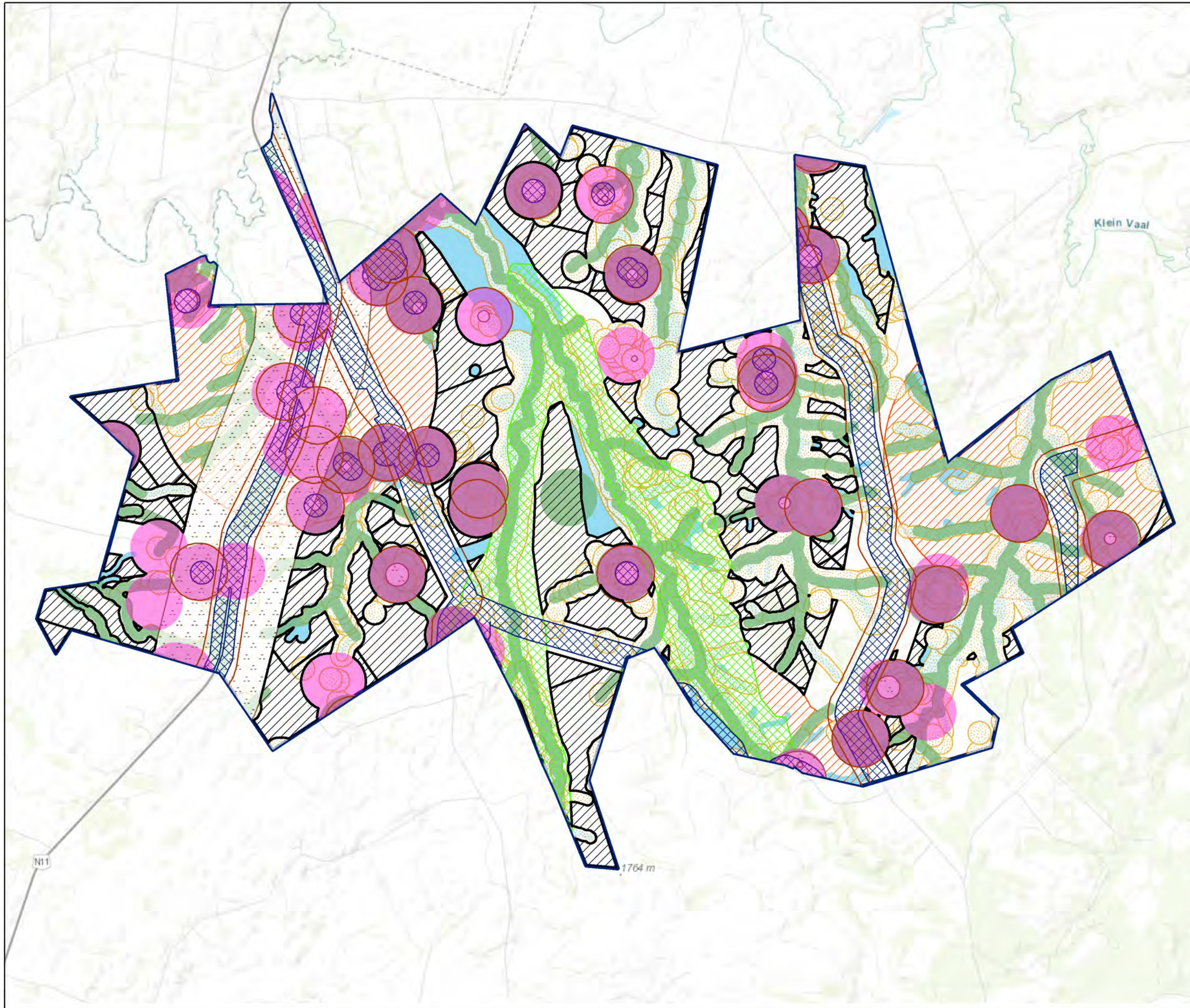
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DR PIXLEY KA ISAKA SEME
LOCAL MUNICIPALITY,
MPUMALANGA PROVINCE
BUILDABLE AREA SENSITIVITY**

Legend

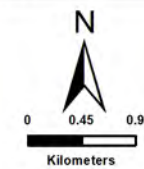
-  Buildable Areas
-  Ujekamanzi WEF 1 Application Site

Environmental Sensitivities (No-Go)

-  Aquatic
-  Avifauna
-  Bat
-  BESS
-  Flicker
-  Heritage
-  Noise
-  Terrestrial
-  Visual



Source:
NGI, 2014



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LOCAL MUNICIPALITY,
MPUMALANGA PROVINCE
CRITICAL BIODIVERSITY AREAS**

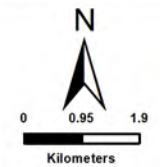
Legend

-  National Route
-  Arterial Route
-  Rivers
-  Proposed Substation Alternatives
-  Buildable Areas
-  Ujekamanzi WEF 1 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
MPUMALANGA BIODIVERSITY SPATIAL PLAN, 2017

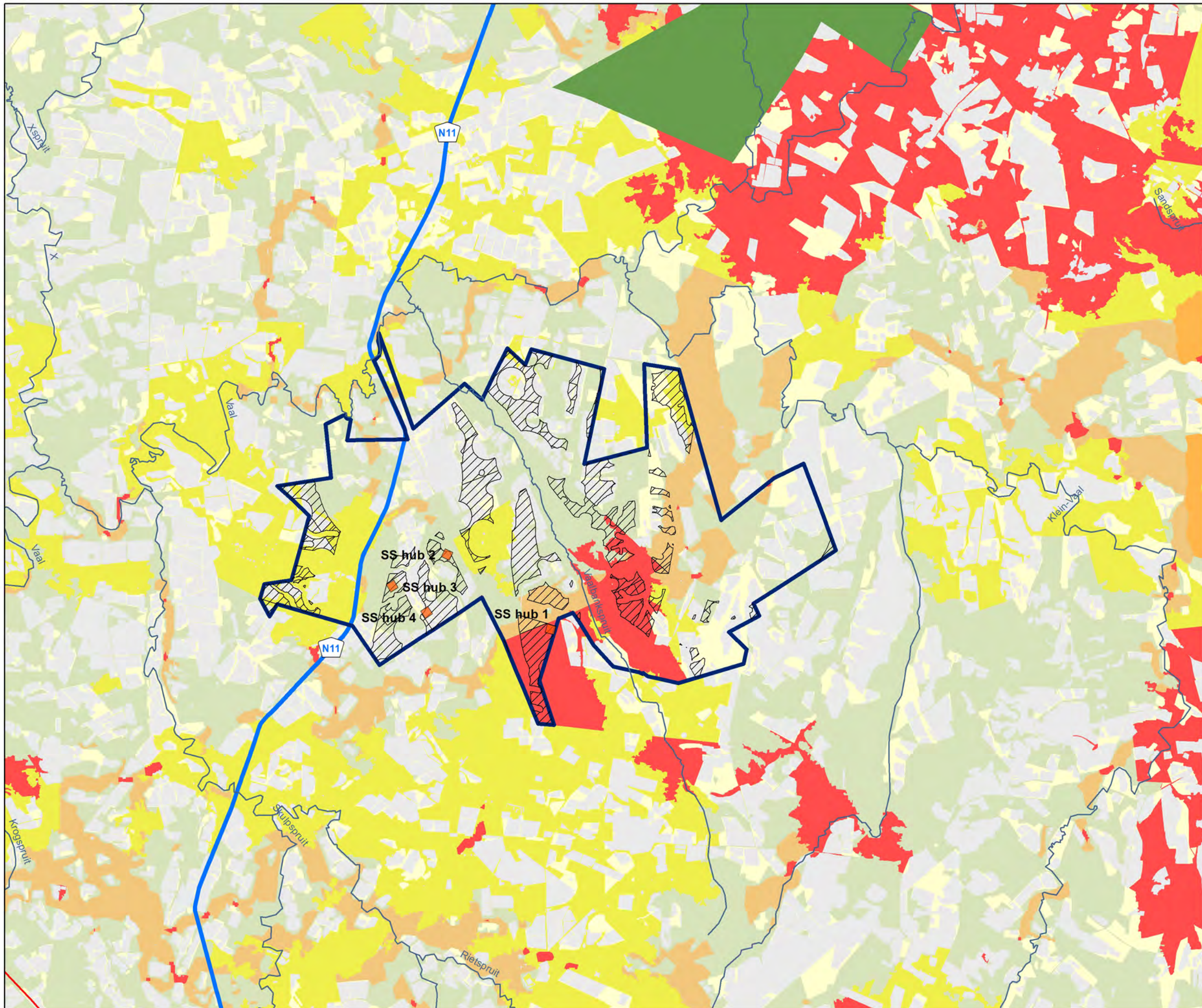


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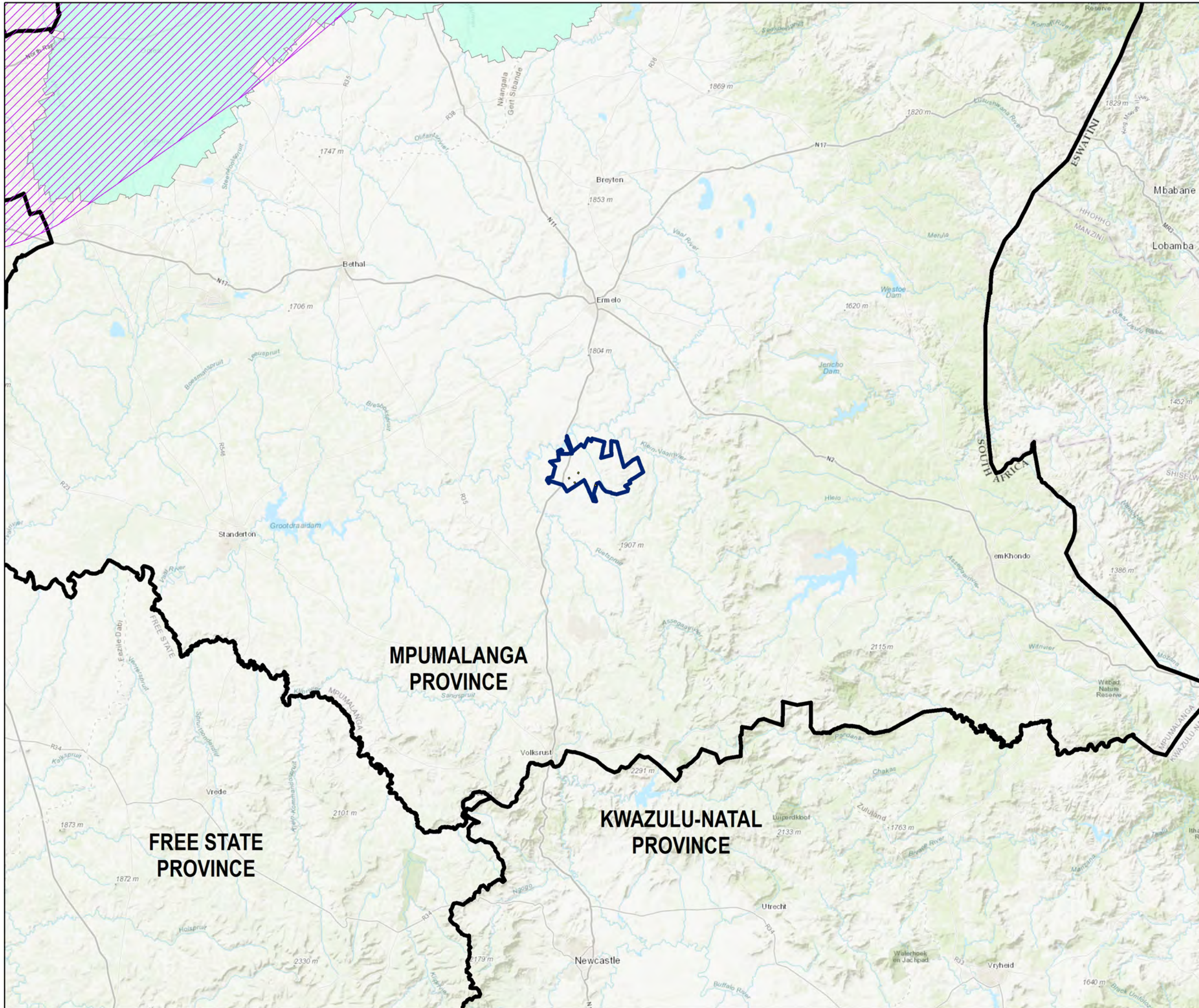
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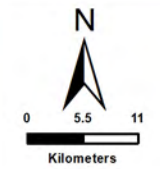
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MPUMALANGA PROVINCE
EGI & REDZ**

Legend

-  Provincial Boundary
-  REDZ9 Emalahleni
-  Internal Corridor
-  Proposed Substation Alternatives
-  Ujekamanzi WEF 1 Application Site



Source:
NGI, 2014
DFFE, 2022



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

Legend

-  National Route
-  Arterial Route
-  Rivers
-  Proposed Substation Alternatives
-  Buildable Areas
-  Ujekamanzi WEF 1 Application Site

Landcover Classification

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

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

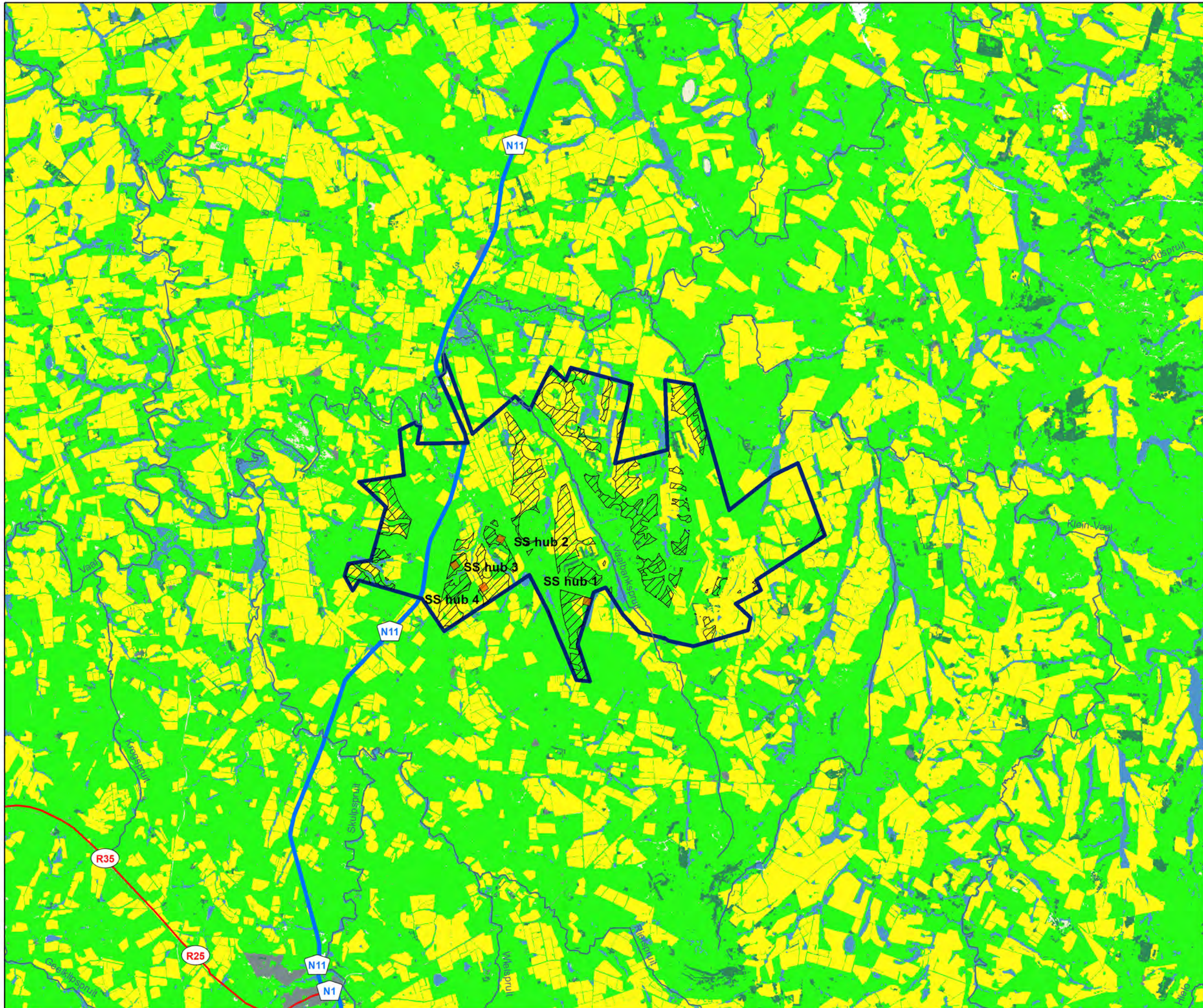


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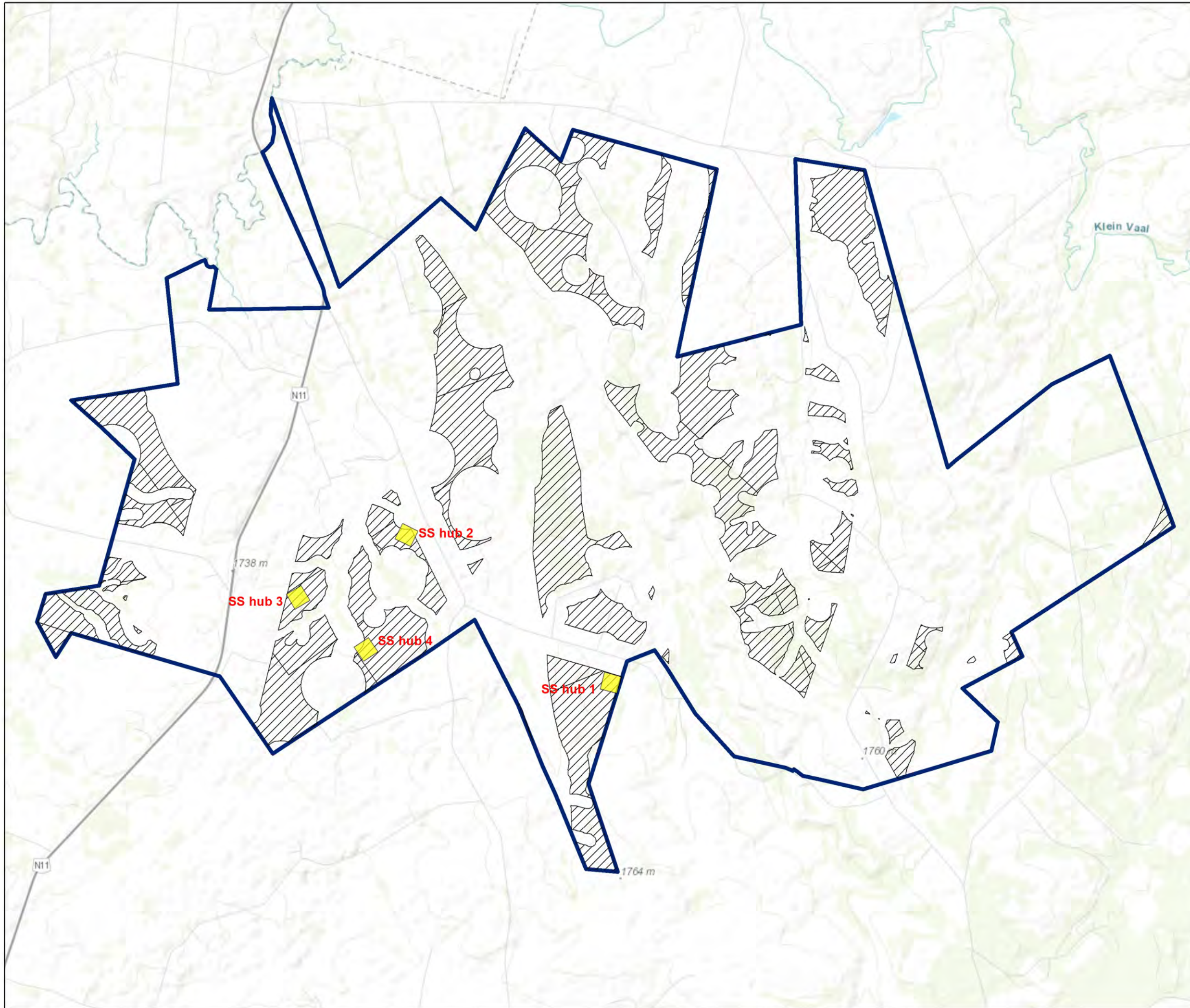
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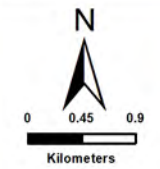
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LOCAL MUNICIPALITY,
MPUMALANGA PROVINCE
PROPOSED LAYOUT**

Legend

- Proposed Substation Alternatives
- Buildable Areas
- Ujekamanzi WEF 1 Application Site



Source:
NGI, 2014



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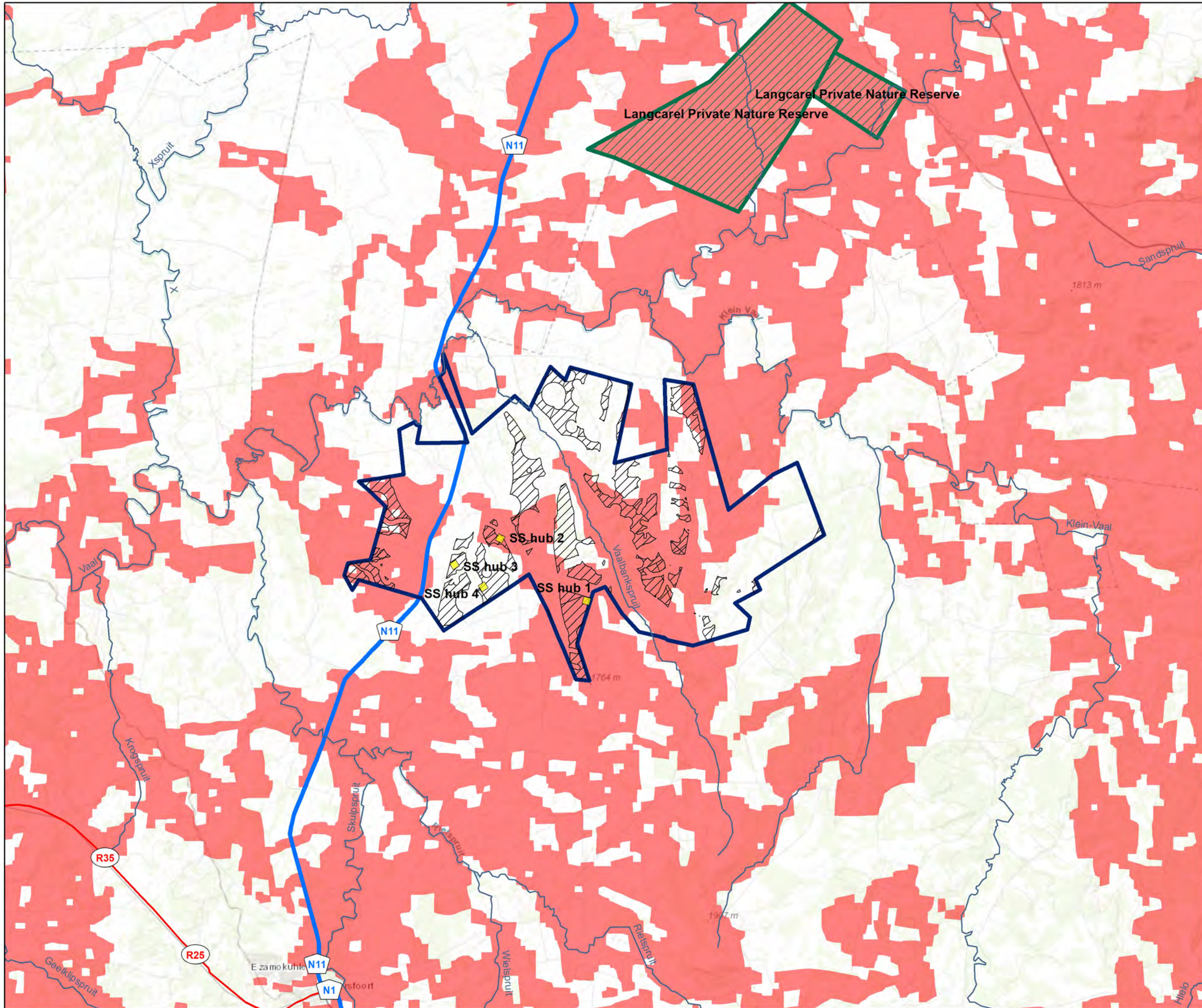
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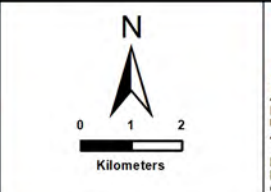
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PROTECTED AREAS**

Legend

-  National Route
-  Arterial Route
-  Rivers
-  Protected Areas
-  NPAES
-  Proposed Substation Alternatives
-  Buildable Areas
-  Ujekamanzi WEF 1 Application Site



Source:
NFEPA, 2011
DFFE, 2022



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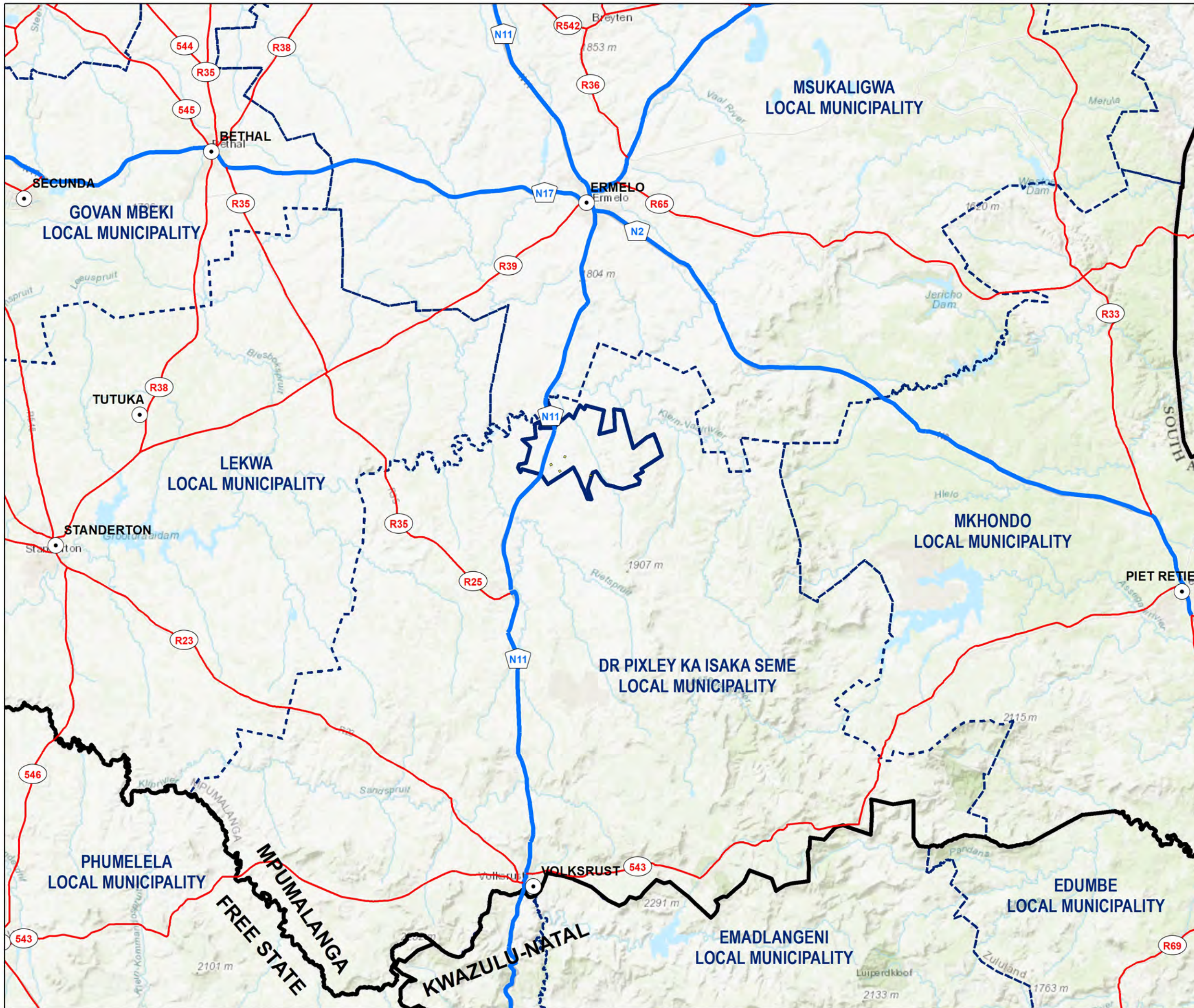
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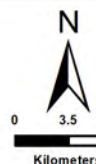
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MPUMALANGA PROVINCE
REGIONAL CONTEXT**

Legend

- Main Towns
- National Route
- Arterial Route
- Provincial Boundary
- Local Municipal Boundaries
- Proposed Substation Alternatives
- Ujekamanzi WEF 1 Application Site



Source:
NGI, 2014
MUNICIPAL DEMARICATION BOARD, 2016

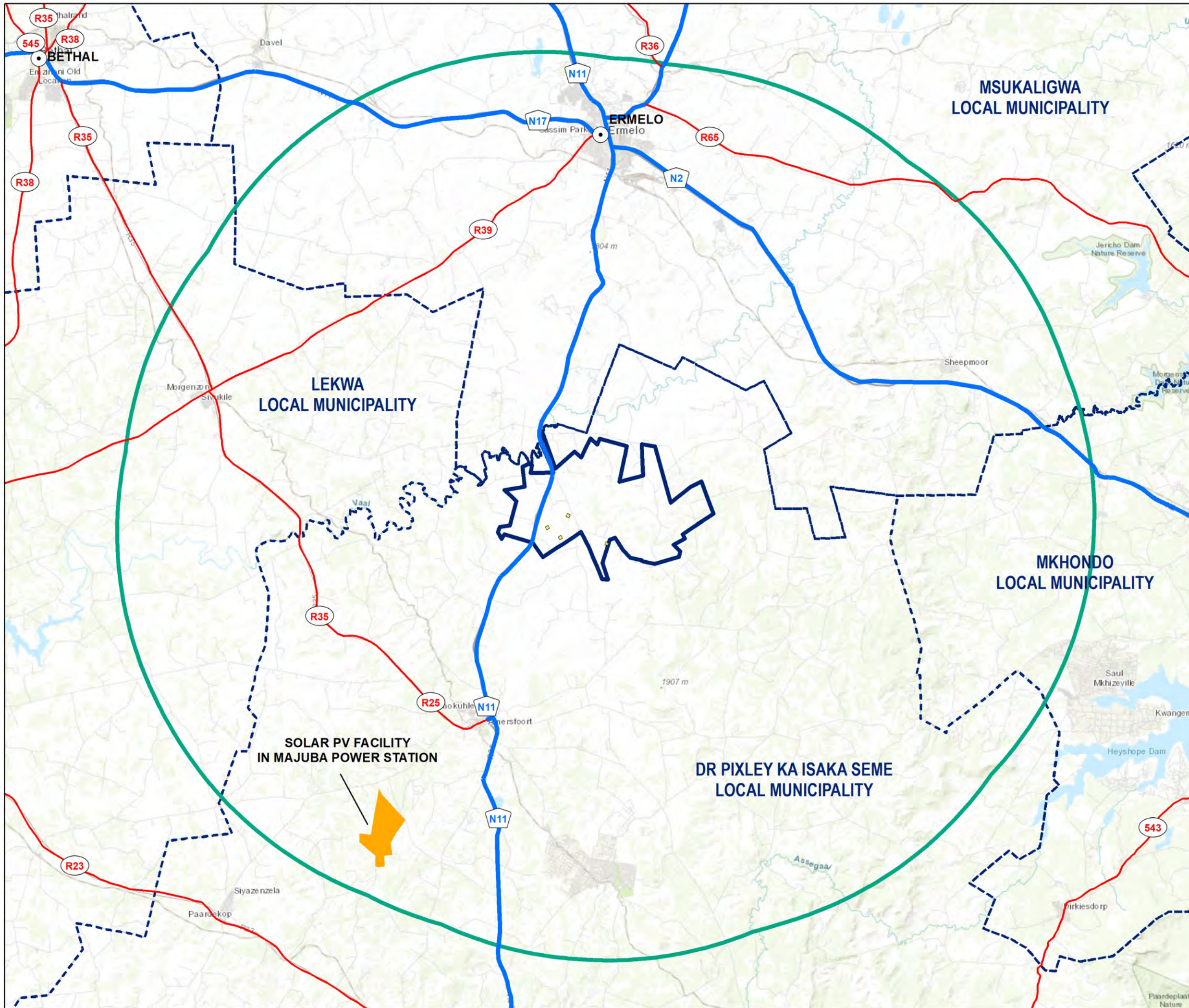


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**WITHIN THE
DR PIXLEY KA ISAKA SEME
LOCAL MUNICIPALITY,
MPUMALANGA PROVINCE**
**RENEWABLE ENERGY PROJECTS
(EXISTING AND PROPOSED)**

- Legend**
- Main Towns
 - National Route
 - Arterial Route
 - - - Local Municipal Boundaries
 - Proposed Substation Alternatives
 - 35km Radius
 - ▭ Ujekamanzi WEF 1 Application Site
- Renewable Energy Application Sites**
- Solar PV

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



0 2.5 5
Kilometers



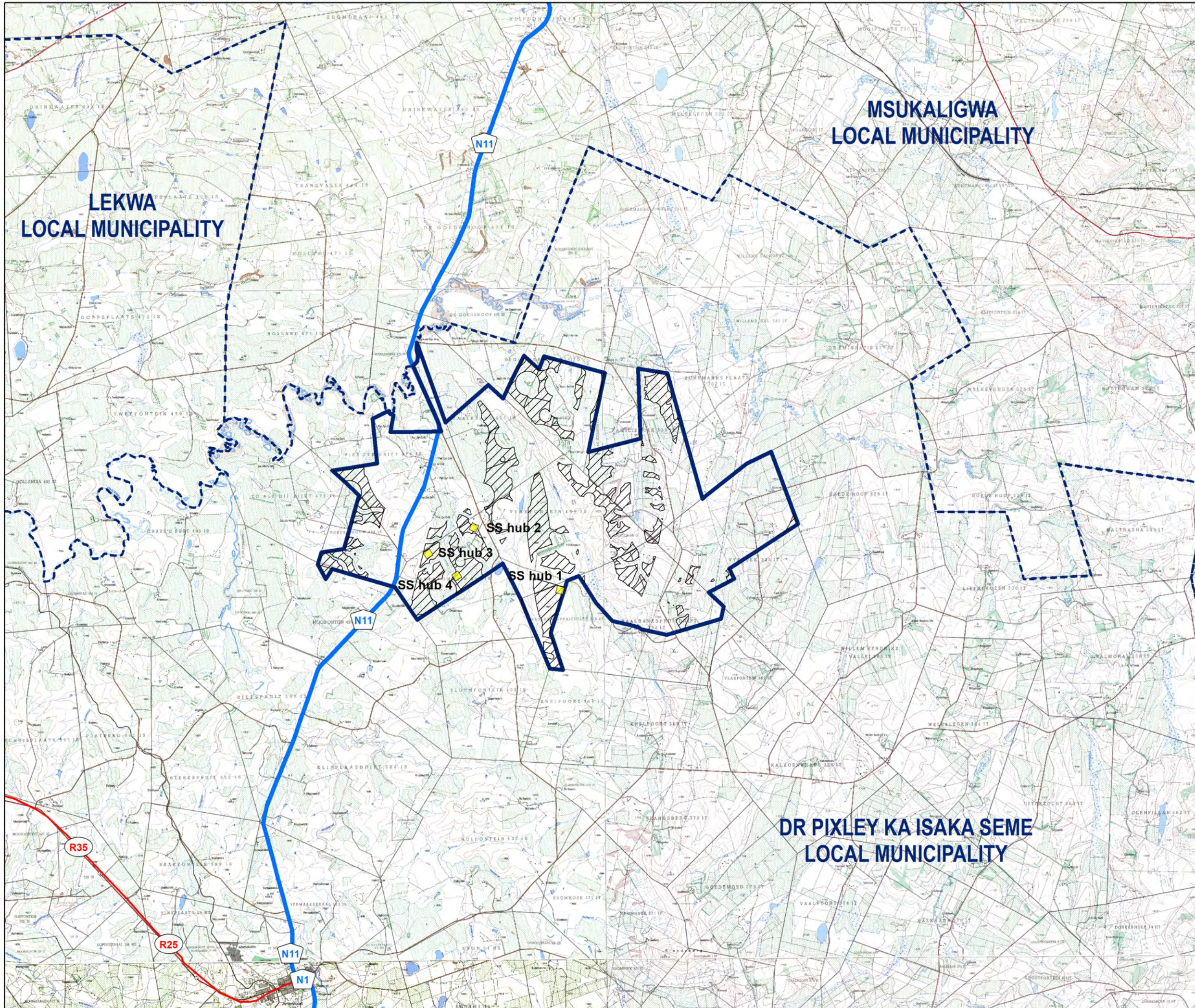
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LOCAL MUNICIPALITY,
MPUMALANGA PROVINCE
SITE LOCALITY**



Legend

-  National Route
-  Arterial Route
-  Rivers
-  Local Municipal Boundaries
-  Proposed Substation Alternatives
-  Buildable Areas
-  Ujekamanzi WEF 1 Application Site

Source:
NGI, 2014
MUNICIPAL DEMARICATION BOARD, 2016



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

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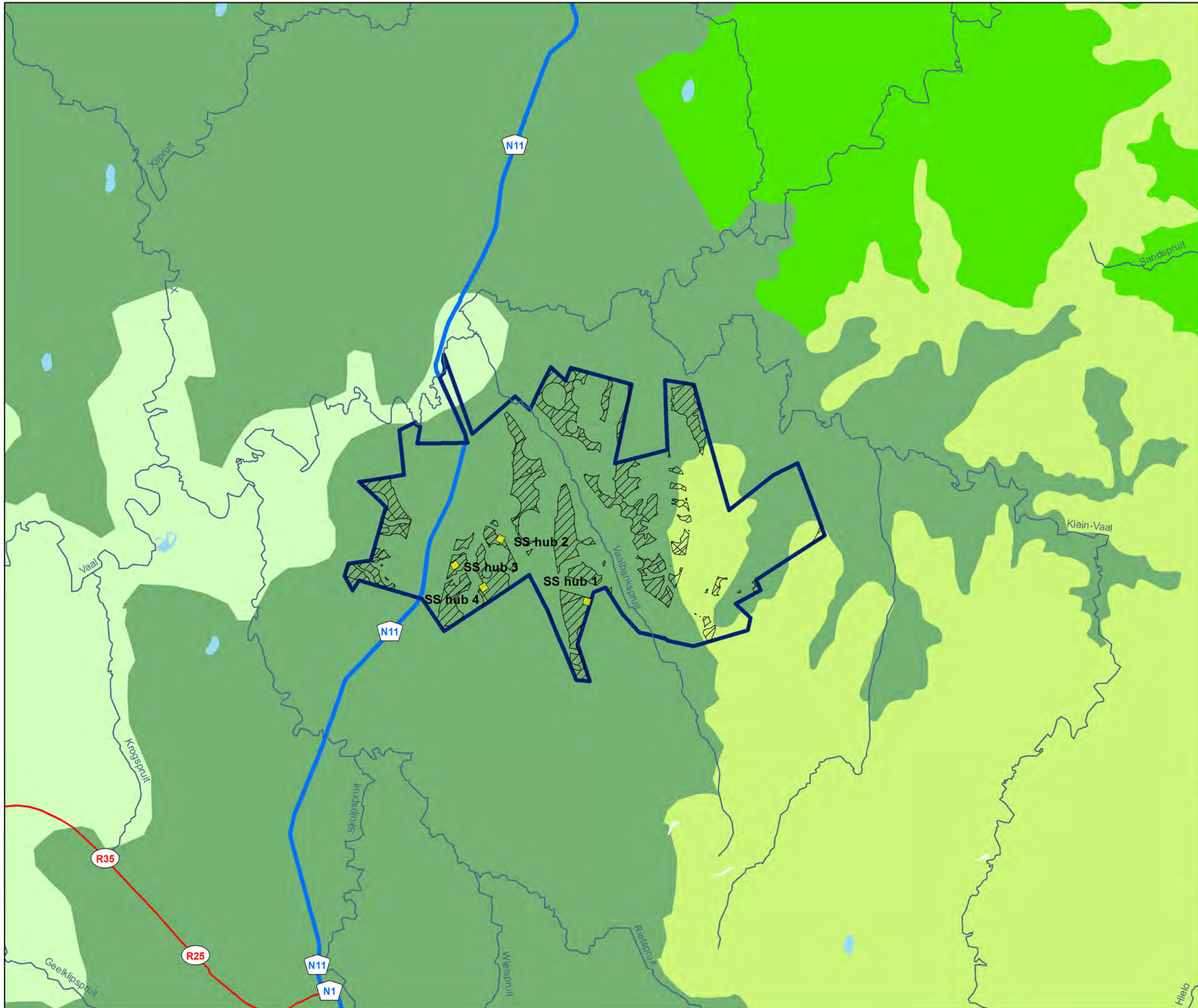
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VEGETATION CLASSIFICATION**

Legend

-  National Route
-  Arterial Route
-  Rivers
-  Proposed Substation Alternatives
-  Buildable Areas
-  Ujekamanzi WEF 1 Application Site

Vegetation Classification

-  Amersfoort Highveld Clay Grassland
-  Eastern Highveld Grassland
-  Eastern Temperate Freshwater Wetlands
-  Soweto Highveld Grassland
-  Wakkerstroom Montane Grassland



Source:
NFEPA, 2011
SANBI, 2018



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