








**PROPOSED
GRID CONNECTION FOR
PATATSKLOOF WIND
ENERGY FACILITY**
NEAR TOUWS RIVER,
WESTERN CAPE PROVINCE
EGI & REDZ

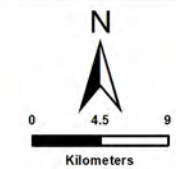
Legend

-  Phase 1 REDZs
-  Power Corridors
-  Existing Substations
-  Karee WEF Application

Proposed Grid Connection

-  Power Line Assessment Corridor Option 1
-  Power Line Assessment Corridor Option 2
-  Power Line Assessment Corridor Option 3
-  Power Line Assessment Corridor Option 4
-  Power Line Assessment Corridor Option 5
-  Power Line Assessment Corridor Option 6
-  Proposed Substation Site Alternatives

Source:
DFFE, 2022
NGI, 2014

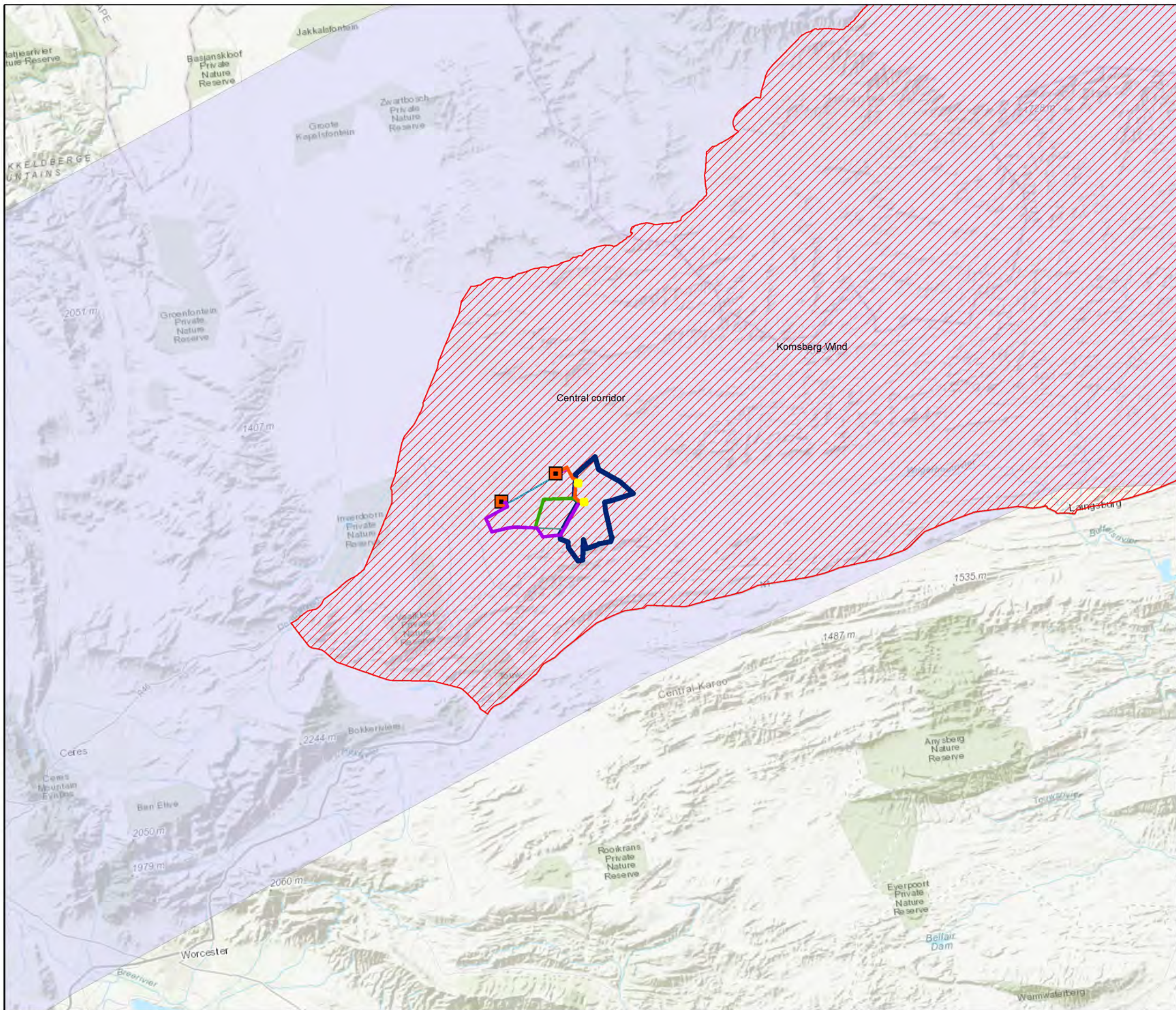


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Map Ref No 16168	Revision 0	Date










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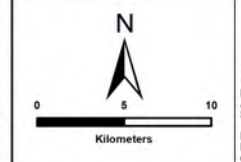


**PROPOSED
GRID CONNECTION FOR
PATATSKLOOF WIND
ENERGY FACILITY
NEAR TOUWS RIVER,
WESTERN CAPE PROVINCE
REGIONAL CONTEXT**

Legend

-  Main Towns
-  Provincial Boundaries
-  District Municipal Boundaries
-  National Route
-  Main Arterial Routes
-  Main Rivers
-  Existing High Voltage Power Lines (>=400kV)
-  Existing Substations
-  Patatskloof WEF Application Site

SOURCE:
NFEP, 2011
NGI, 2014

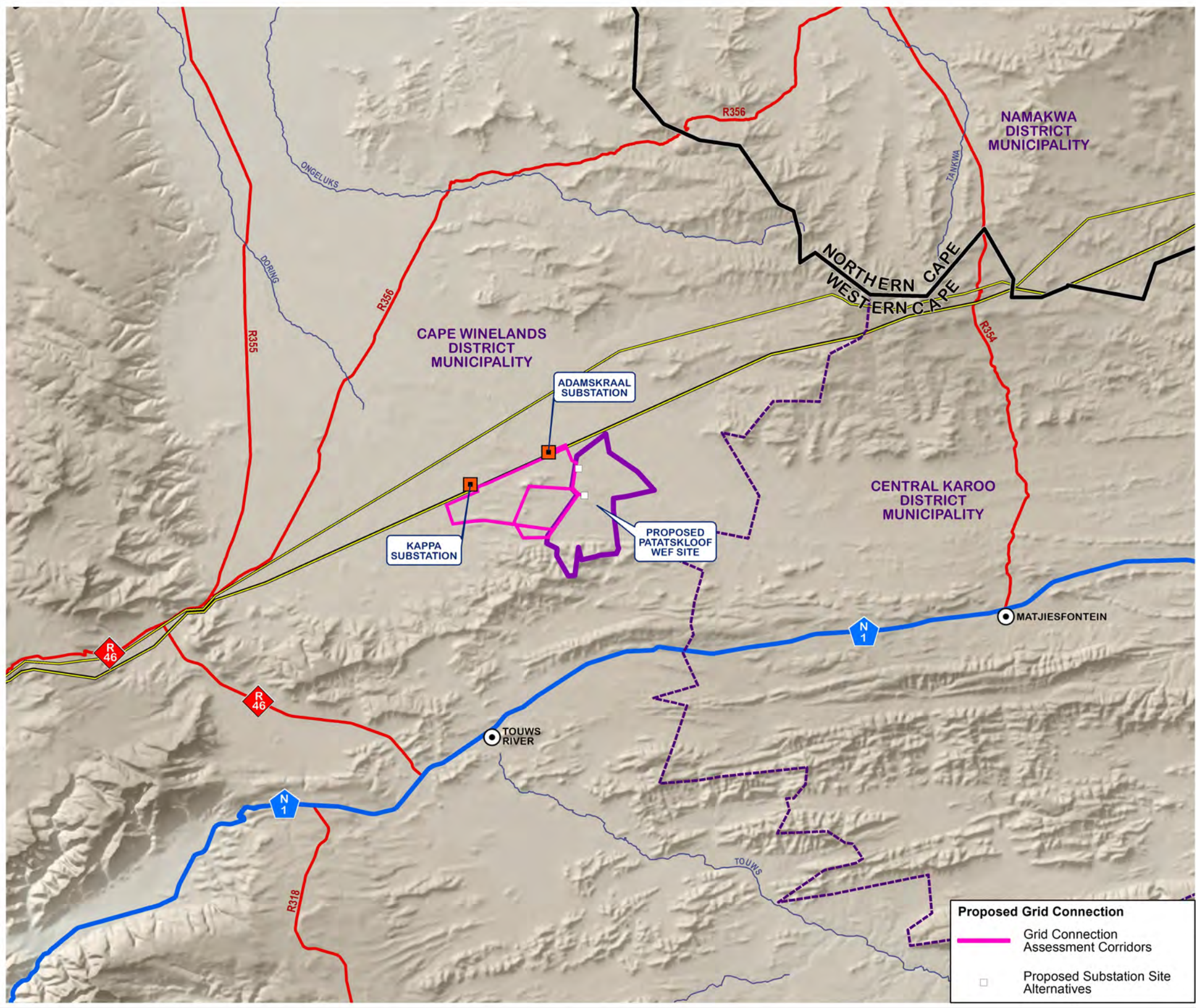


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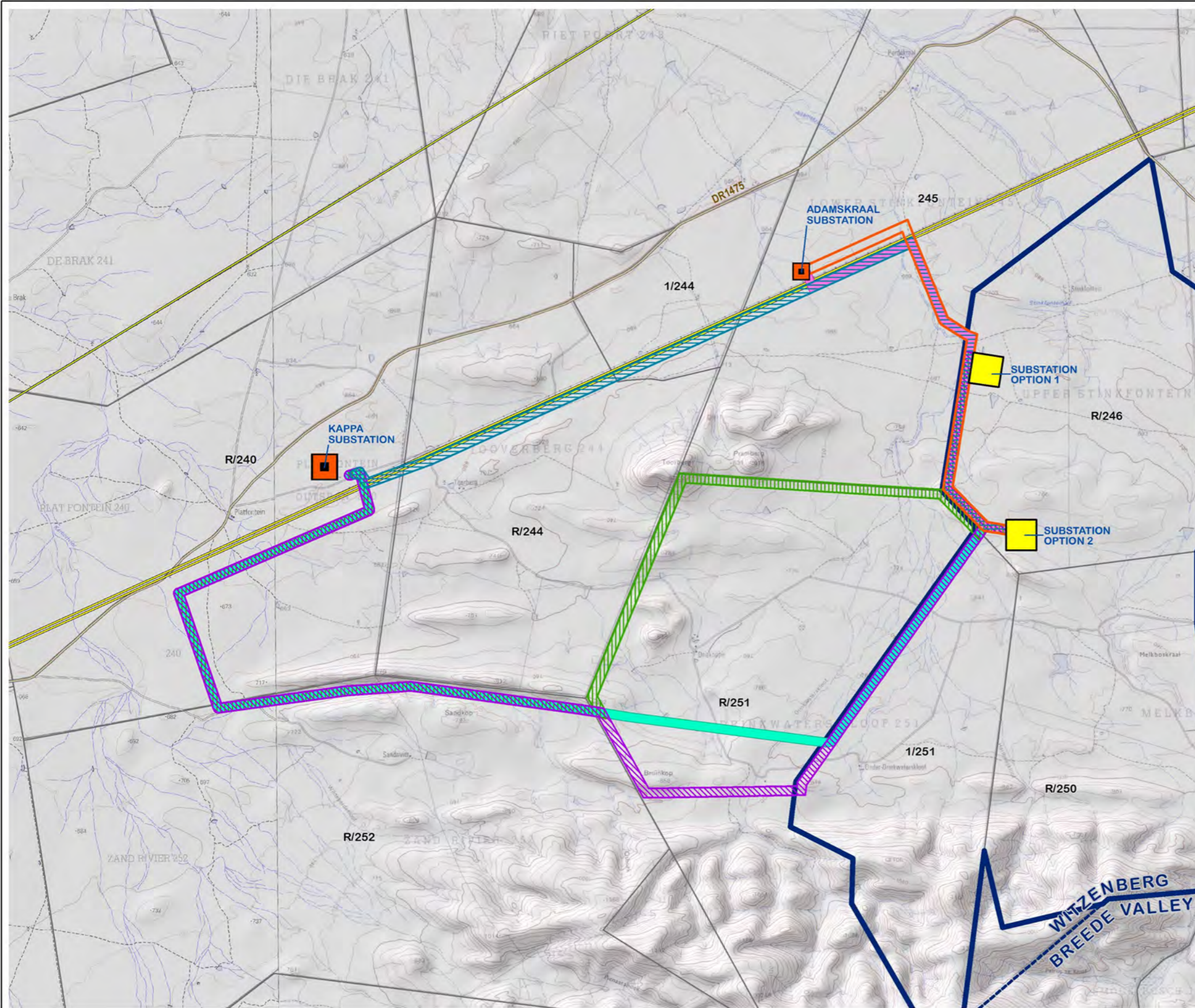
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Proposed Grid Connection

-  Grid Connection Assessment Corridors
-  Proposed Substation Site Alternatives

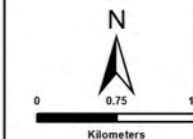
**PROPOSED
GRID CONNECTION FOR
PATATSKLOOF WIND
ENERGY FACILITY**
NEAR TOUWS RIVER,
WESTERN CAPE PROVINCE
PROPOSED ROUTE ALIGNMENT
ALTERNATIVES



Legend

-  Local Municipal Boundaries
-  Secondary Roads
-  Rivers
-  Existing High Voltage Power Lines ($\geq 400\text{kV}$)
-  Existing Substations
-  Farm Portions
-  Patatskloof WEF Application Site
- Proposed Grid Connection**
-  Power Line Assessment Corridor Option 1
-  Power Line Assessment Corridor Option 2
-  Power Line Assessment Corridor Option 3
-  Power Line Assessment Corridor Option 4
-  Power Line Assessment Corridor Option 5
-  Power Line Assessment Corridor Option 6
-  Proposed Substation Site Alternatives

SOURCE:
DEMARCATION BOARD, 2011
ESKOM, 2012
NGI, 2014

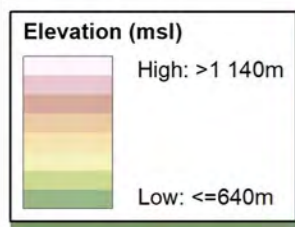
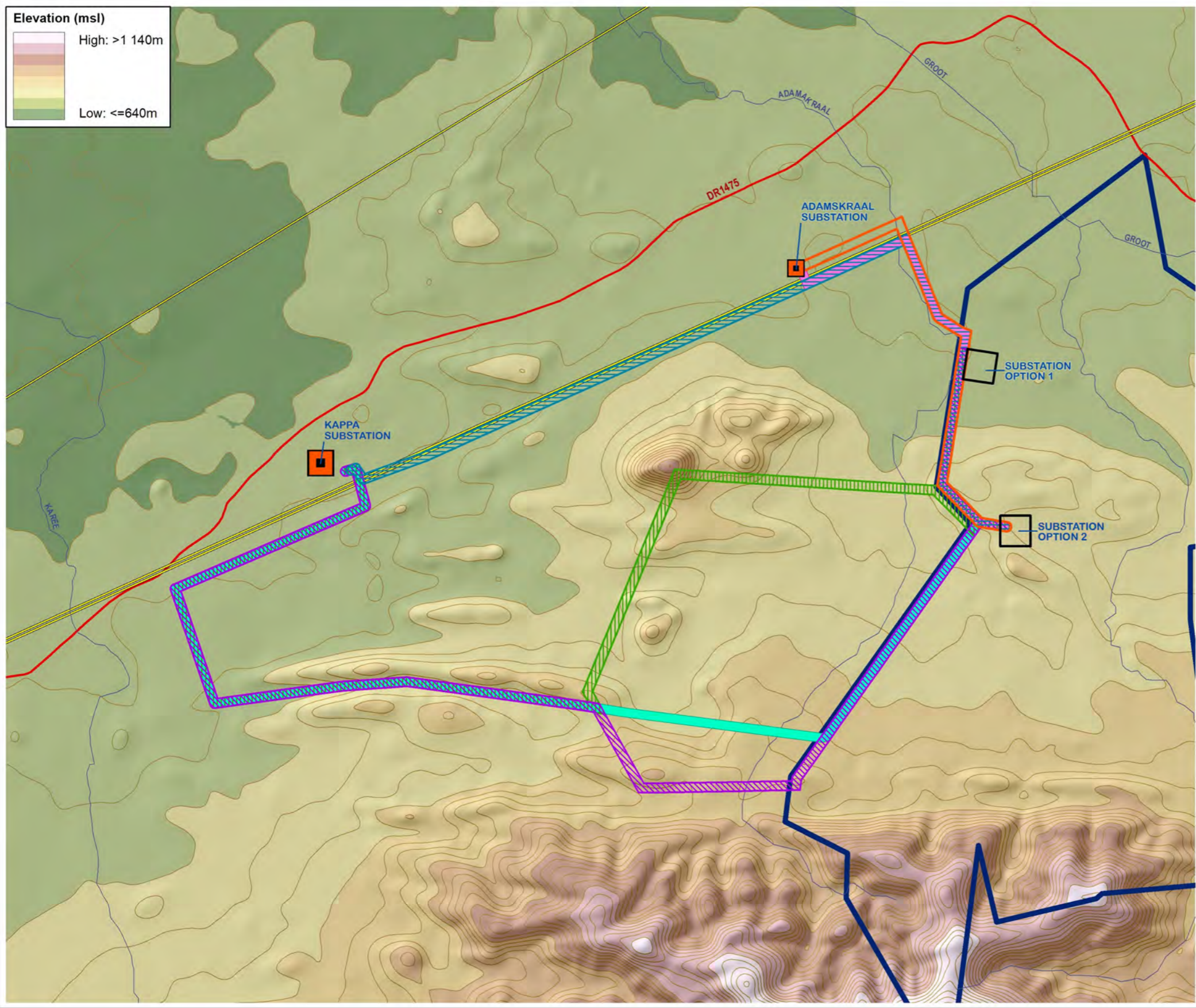


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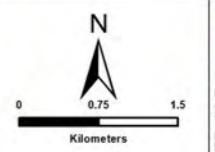
PROPOSED GRID CONNECTION FOR PATATSKLOOF WIND ENERGY FACILITY

NEAR TOUWS RIVER, WESTERN CAPE PROVINCE

TOPOGRAPHY

- Legend**
- Secondary Roads
 - Rivers
 - Contours (100m Interval)
 - Contours (20m Interval)
 - Existing High Voltage Power Lines (>=400kV)
 - Existing Substations
 - Patatskloof WEF Application Site
- Proposed Grid Connection**
- Power Line Assessment Corridor Option 1
 - Power Line Assessment Corridor Option 2
 - Power Line Assessment Corridor Option 3
 - Power Line Assessment Corridor Option 4
 - Power Line Assessment Corridor Option 5
 - Power Line Assessment Corridor Option 6
 - Proposed Substation Site Alternatives

SOURCE:
ESKOM, 2012
NFEPA, 2011
NGI, 2014



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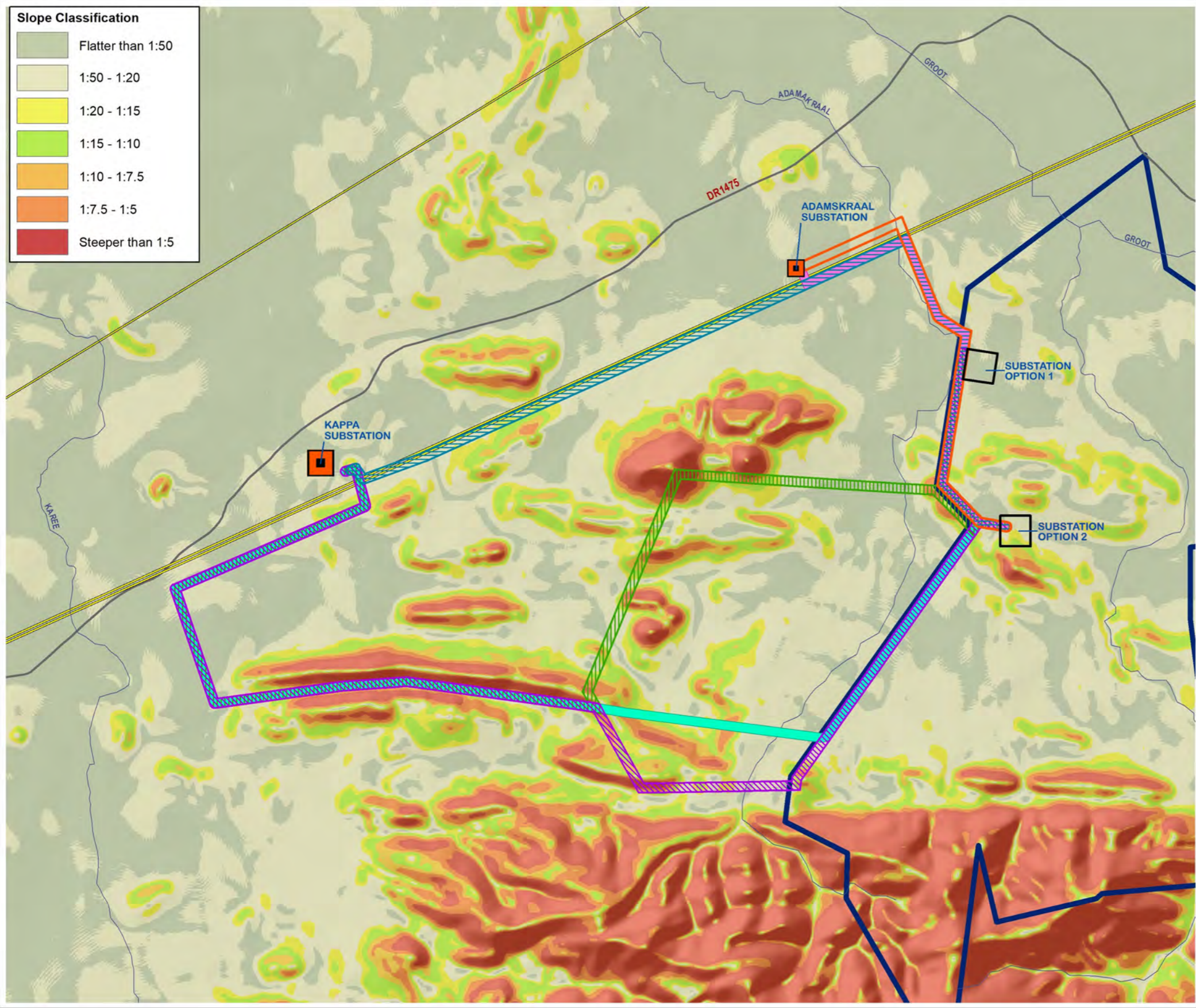
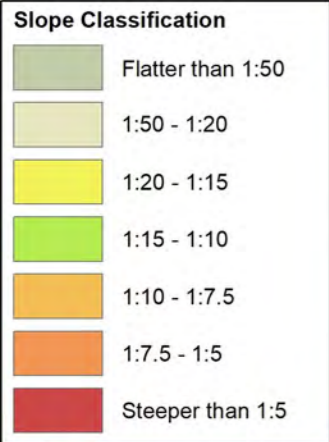
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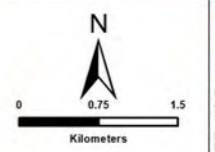
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**PROPOSED
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PATATSKLOOF WIND
ENERGY FACILITY
NEAR TOUWS RIVER,
WESTERN CAPE PROVINCE
SLOPE CLASSIFICATION**

- Legend**
- Secondary Roads
 - Rivers
 - Existing High Voltage Power Lines (>=400kV)
 - Existing Substations
 - Patatskloof WEF Application Site
- Proposed Grid Connection**
- Power Line Assessment Corridor Option 1
 - Power Line Assessment Corridor Option 2
 - Power Line Assessment Corridor Option 3
 - Power Line Assessment Corridor Option 4
 - Power Line Assessment Corridor Option 5
 - Power Line Assessment Corridor Option 6
 - Proposed Substation Site Alternatives

SOURCE:
ESKOM, 2012
NFEPA, 2011
NGI, 2014



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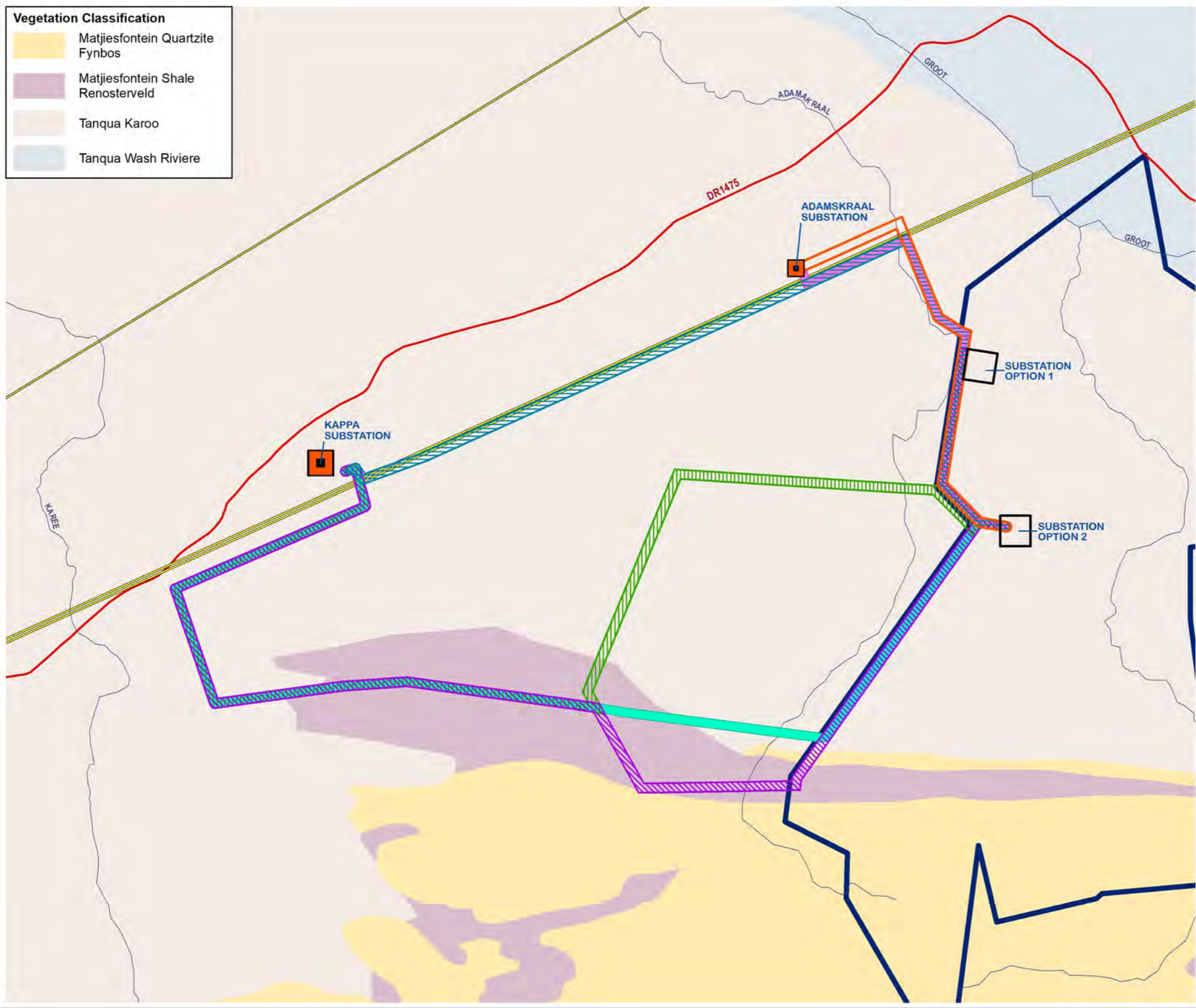
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Vegetation Classification	
	Matjiesfontein Quartzite Fynbos
	Matjiesfontein Shale Renosterveld
	Tanqua Karoo
	Tanqua Wash Riviere

PROPOSED GRID CONNECTION FOR PATATSKLOOF WIND ENERGY FACILITY

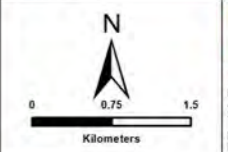
NEAR TOUWS RIVER, WESTERN CAPE PROVINCE

VEGETATION CLASSIFICATION



Legend	
	Secondary Roads
	Rivers
	Existing High Voltage Power Lines (>=400kV)
	Existing Substations
	Patatskloof WEF Application Site
Proposed Grid Connection	
	Power Line Assessment Corridor Option 1
	Power Line Assessment Corridor Option 2
	Power Line Assessment Corridor Option 3
	Power Line Assessment Corridor Option 4
	Power Line Assessment Corridor Option 5
	Power Line Assessment Corridor Option 6
	Proposed Substation Site Alternatives

SOURCE:
ESKOM, 2012
NFEP, 2011
NGI, 2014
SANBI, 2018



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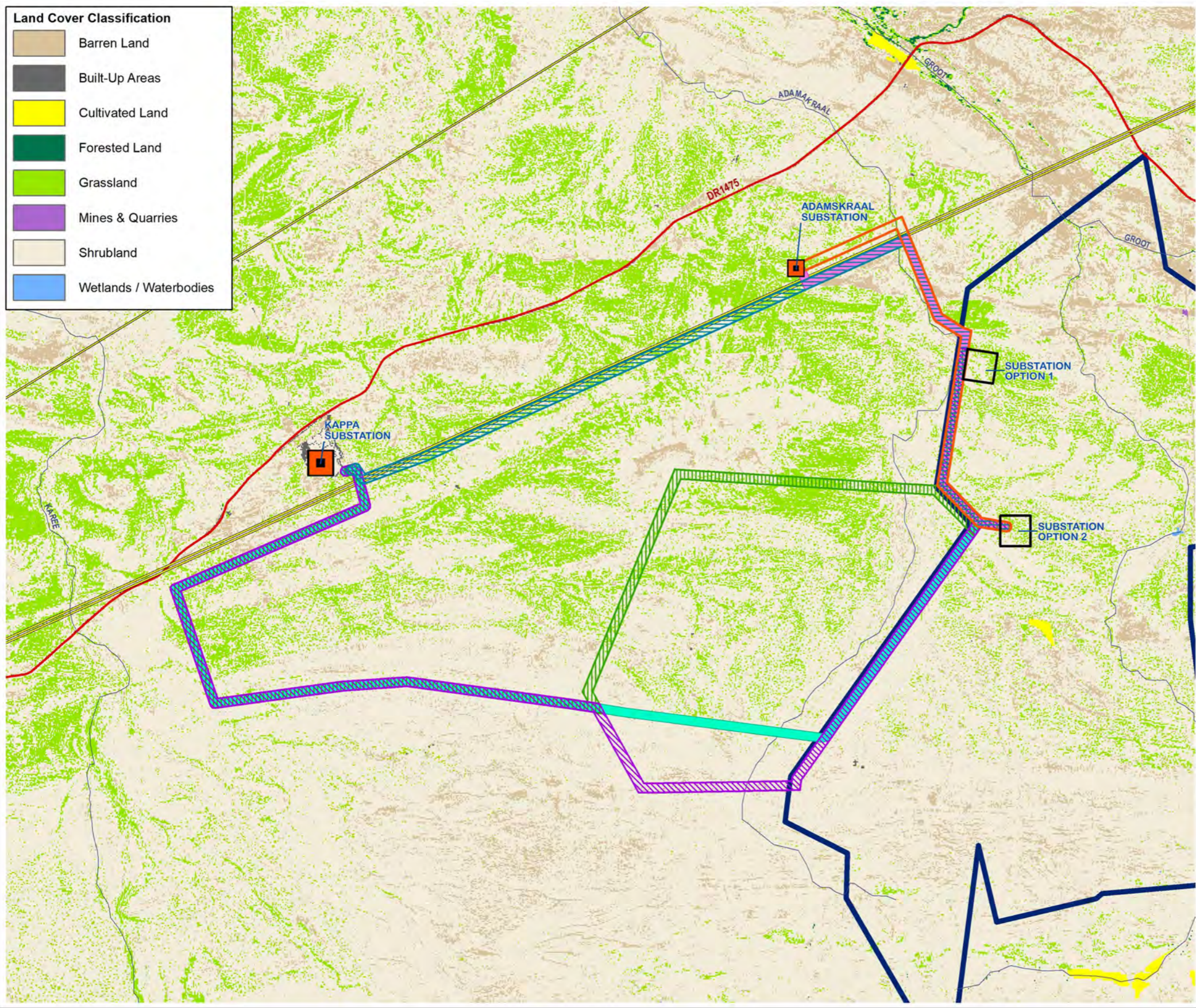
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Land Cover Classification

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

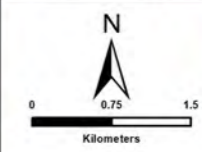


**PROPOSED
GRID CONNECTION FOR
PATATSKLOOF WIND
ENERGY FACILITY
NEAR TOUWS RIVER,
WESTERN CAPE PROVINCE
BROAD LAND COVER
CLASSIFICATION**

Legend

	Secondary Roads
	Rivers
	Existing High Voltage Power Lines (>=400kV)
	Existing Substations
	Patatskloof WEF Application Site
Proposed Grid Connection	
	Power Line Assessment Corridor Option 1
	Power Line Assessment Corridor Option 2
	Power Line Assessment Corridor Option 3
	Power Line Assessment Corridor Option 4
	Power Line Assessment Corridor Option 5
	Power Line Assessment Corridor Option 6
	Proposed Substation Site Alternatives

SOURCE:
ESKOM, 2012
NFEPA, 2011
NGI, 2014
SA NATIONAL LAND COVER 2018
(© GEOTERRAIMAGE - 2018)

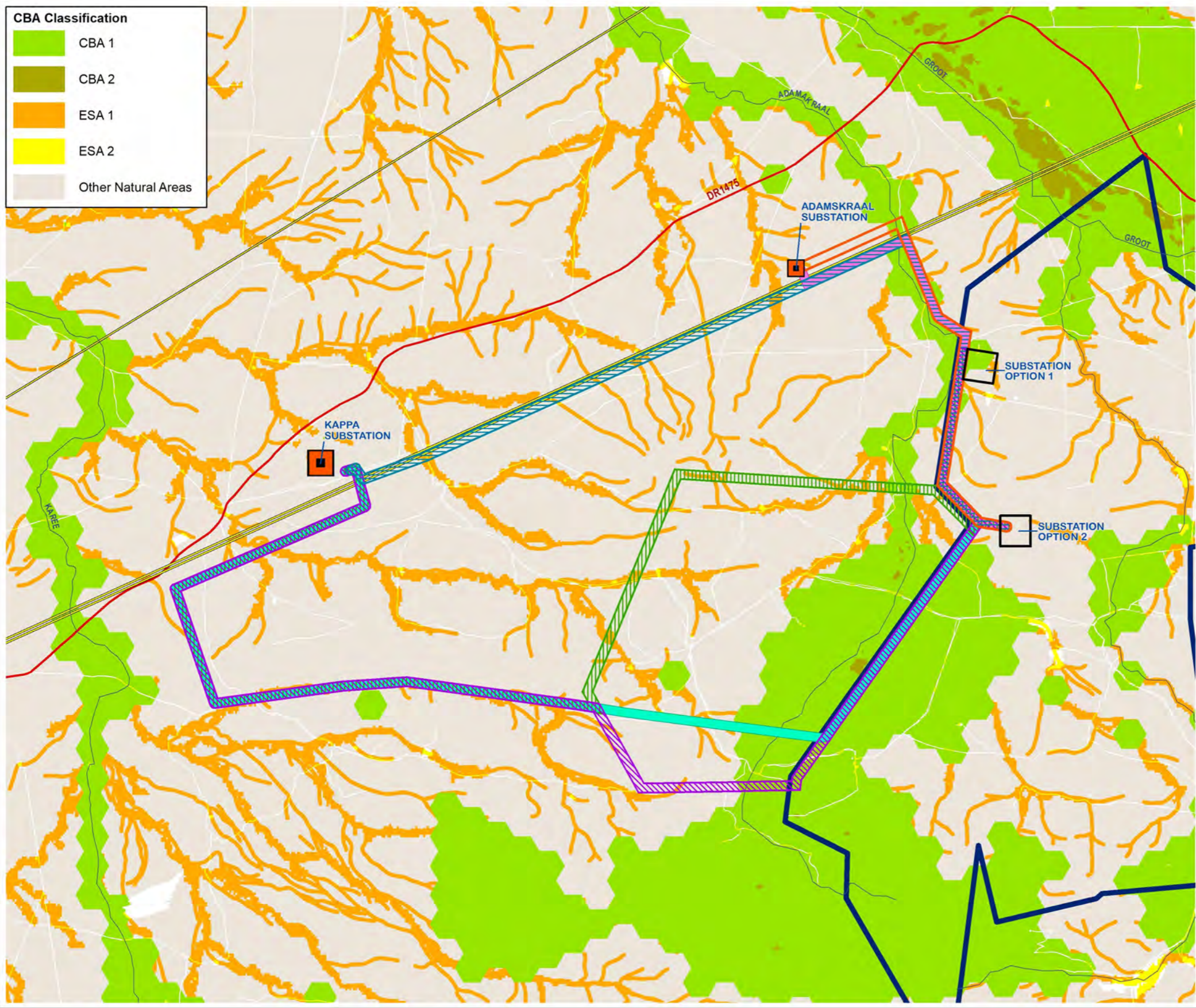


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CBA Classification

- CBA 1
- CBA 2
- ESA 1
- ESA 2
- Other Natural Areas

**PROPOSED
GRID CONNECTION FOR
PATATSKLOOF WIND
ENERGY FACILITY
NEAR TOUWS RIVER,
WESTERN CAPE PROVINCE
CRITICAL BIODIVERSITY AREAS**

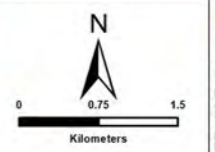
Legend

- Secondary Roads
- Rivers
- Existing High Voltage Power Lines (>=400kV)
- Existing Substations
- Patatskloof WEF Application Site

Proposed Grid Connection

- Power Line Assessment Corridor Option 1
- Power Line Assessment Corridor Option 2
- Power Line Assessment Corridor Option 3
- Power Line Assessment Corridor Option 4
- Power Line Assessment Corridor Option 5
- Power Line Assessment Corridor Option 6
- Proposed Substation Site Alternatives

SOURCE:
ESKOM, 2012
NFEPA, 2011
NGI, 2014
WESTERN CAPE BIODIVERSITY SPATIAL PLAN, 2017



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