












**PROPOSED
CONSTRUCTION OF THE
PATATSKLOOF WIND
ENERGY FACILITY**
NEAR TOUWS RIVER,
WESTERN CAPE PROVINCE
PROPOSED LAYOUT

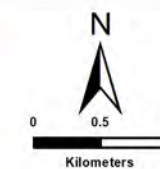
Legend

-  Secondary Roads
-  Existing High Voltage Power Lines (>=400kV)
-  Rivers
-  Buildable Areas
-  Proposed Substation Site Alternatives
-  Patatskloof WEF Application Site

CBA Classification

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

Source:
NGI, 2014
ESKOM, 2012
WESTERN CAPE BIODIVERSITY SPATIAL PLAN, 2017

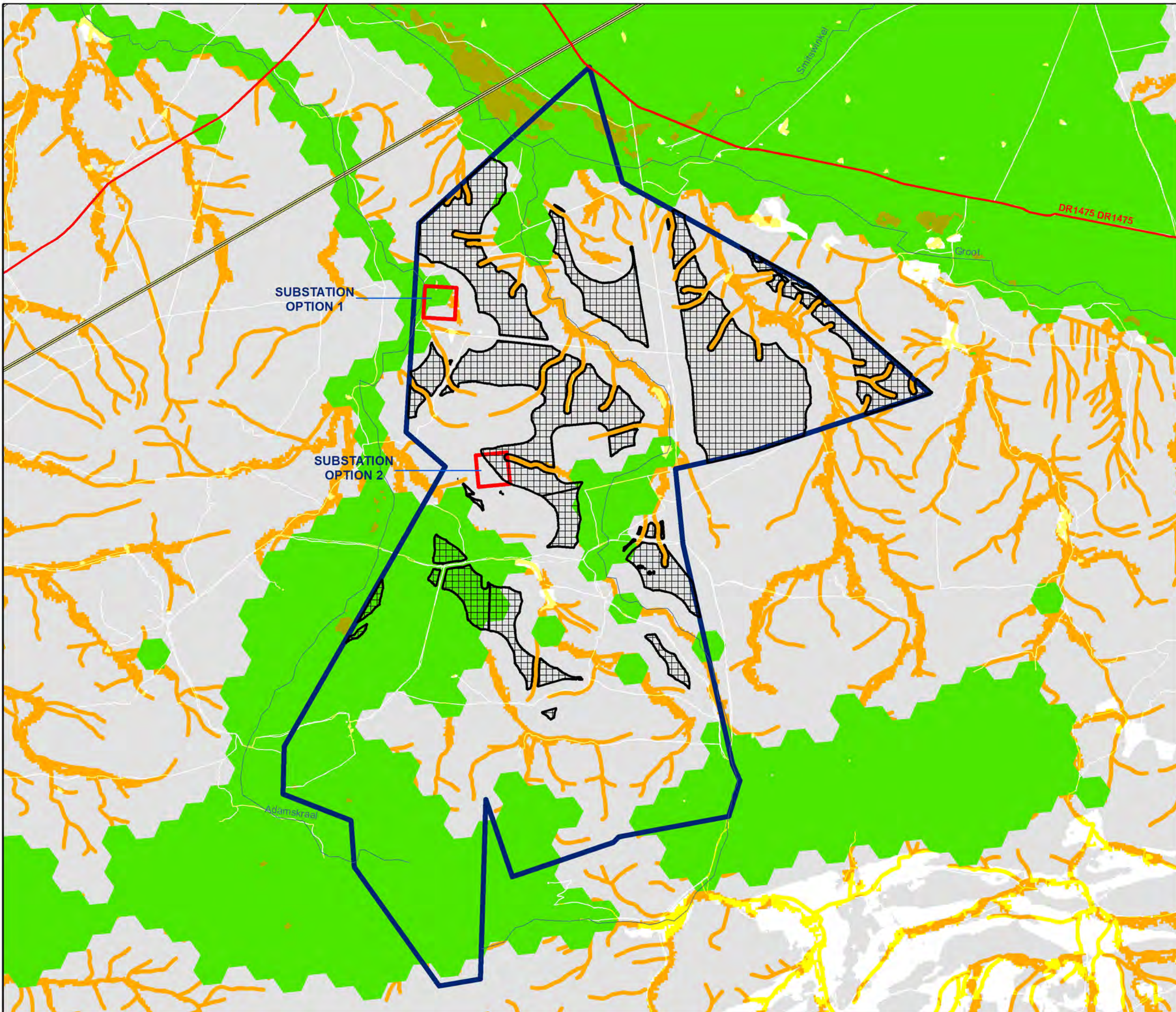


ENVIRONMENTAL DIVISION
4 PENCARROW CRESCENT
LA LUCIA RIDGE OFFICE ESTATE
UMHLANGA ROCKS
4320
Phone: +27 31 581 1500
Fax: +27 31 581 2371
e-mail: info@sivest.co.za

Project No 16168	Prepared By SB	Date 01/12/2022
Map Ref No 16168	Revision 0	Date

"COPYRIGHT IS VESTED IN SIVEST IN TERMS OF THE COPYRIGHT ACT (ACT 98 OF 1978) AND NO USE OR REPRODUCTION OR DUPLICATION THEREOF MAY OCCUR WITHOUT THE WRITTEN CONSENT OF THE AUTHOR"

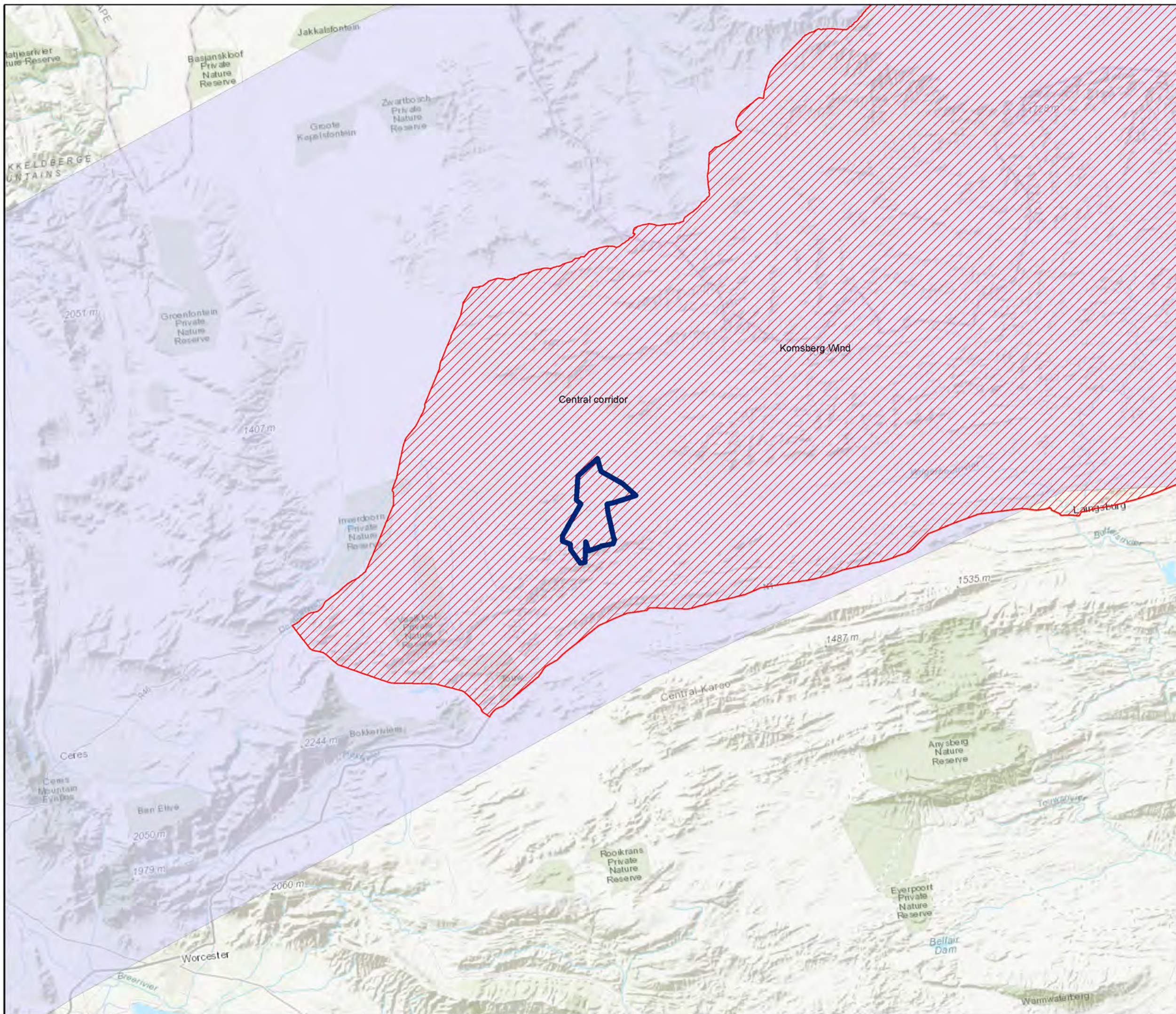
THIS MAP HAS BEEN PREPARED UNDER THE CONTROLS ESTABLISHED BY THE SIVEST QUALITY MANAGEMENT SYSTEM WHICH HAS BEEN CERTIFIED ISO 9001:2015 COMPLIANT



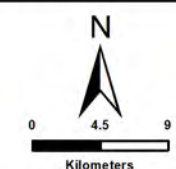
**PROPOSED
CONSTRUCTION OF THE
PATATSKLOOF WIND
ENERGY FACILITY**
NEAR TOUWS RIVER,
WESTERN CAPE PROVINCE
EGI & REDZ

Legend

-  Phase 1 REDZs
-  Power Corridors
-  Patatskloof WEF Application



Source:
DFFE, 2022
NGI, 2014



SIVEST
ENVIRONMENTAL DIVISION
4 PENCARROW CRESCENT
LA LUCIA RIDGE OFFICE ESTATE
UMHLANGA ROCKS
4320
Phone: +27 31 581 1500
Fax: +27 31 581 2371
e-mail: info@sivest.co.za

Project No 16168	Prepared By SB	Date 28/11/2022
Map Ref No 16168	Revision 0	Date

"COPYRIGHT IS VESTED IN SIVEST IN TERMS OF THE COPYRIGHT ACT (ACT 98 OF 1978) AND NO USE OR REPRODUCTION OR DUPLICATION THEREOF MAY OCCUR WITHOUT THE WRITTEN CONSENT OF THE AUTHOR"

THIS MAP HAS BEEN PREPARED UNDER THE CONTROLS ESTABLISHED BY THE SIVEST QUALITY MANAGEMENT SYSTEM WHICH HAS BEEN CERTIFIED ISO 9001:2015 COMPLIANT

**PROPOSED
CONSTRUCTION OF THE
PATATSKLOOF WIND
ENERGY FACILITY
NEAR TOUWS RIVER,
WESTERN CAPE PROVINCE
BROAD LAND COVER
CLASSIFICATION**

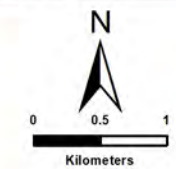
Legend

-  Secondary Roads
-  Existing High Voltage Power Lines (>=400kV)
-  Rivers
-  Buildable Areas
-  Proposed Substation Site Alternatives
-  Patatskloof WEF Application Site

Land Cover Classification

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

Source:
ESKOM, 2012
NFEPA, 2011
SANBI, 2018

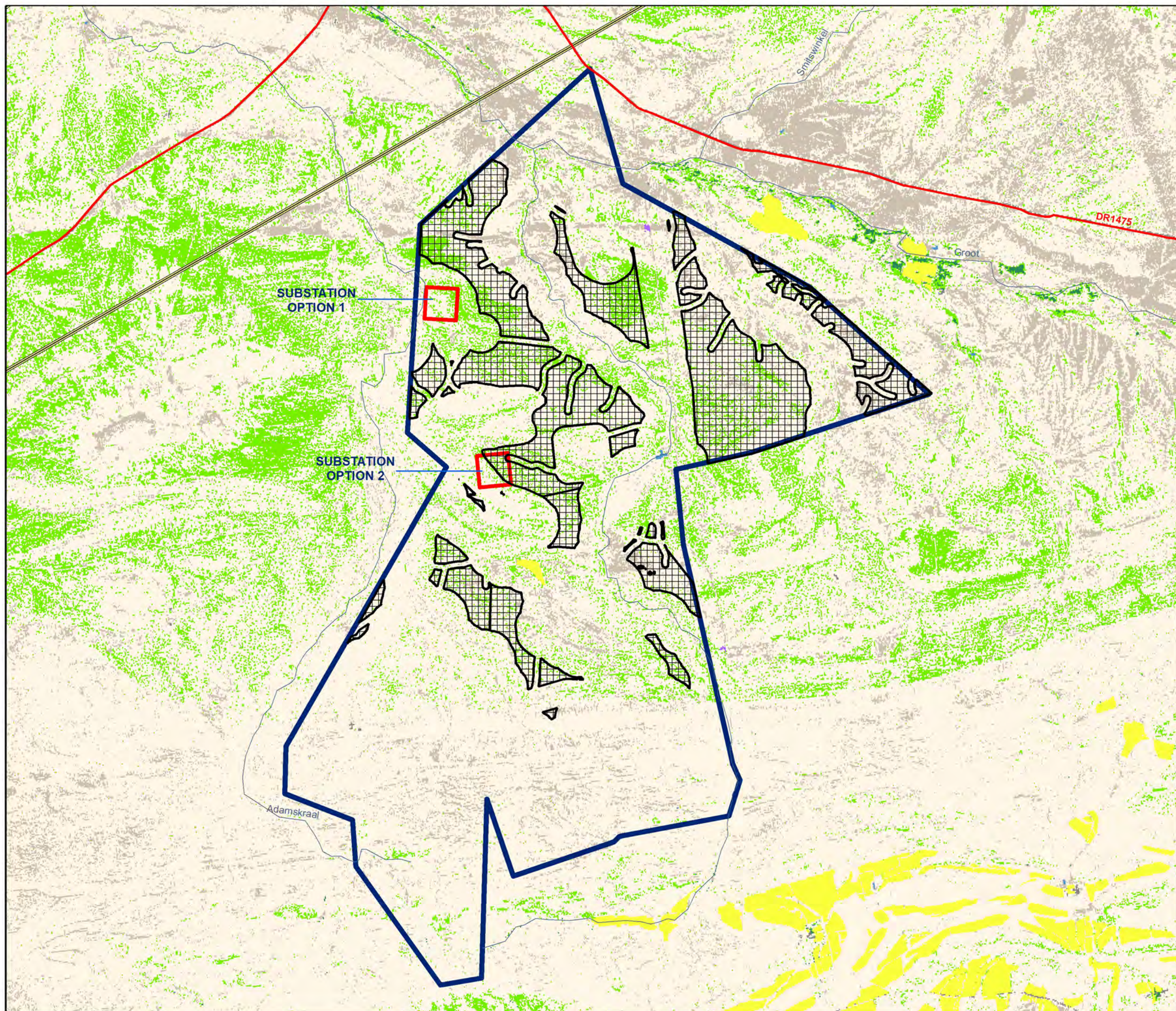


ENVIRONMENTAL DIVISION
4 PENCARROW CRESCENT
LA LUCIA RIDGE OFFICE ESTATE
UMHLANGA ROCKS
4320
Phone: +27 31 581 1500
Fax: +27 31 581 2371
e-mail: info@sivest.co.za

Project No 16168	Prepared By SB	Date 28/09/2022
Map Ref No 16168	Revision 0	Date




"COPYRIGHT IS VESTED IN SIVEST IN TERMS OF THE COPYRIGHT ACT (ACT 98 OF 1978) AND NO USE OR REPRODUCTION OR DUPLICATION THEREOF MAY OCCUR WITHOUT THE WRITTEN CONSENT OF THE AUTHOR"

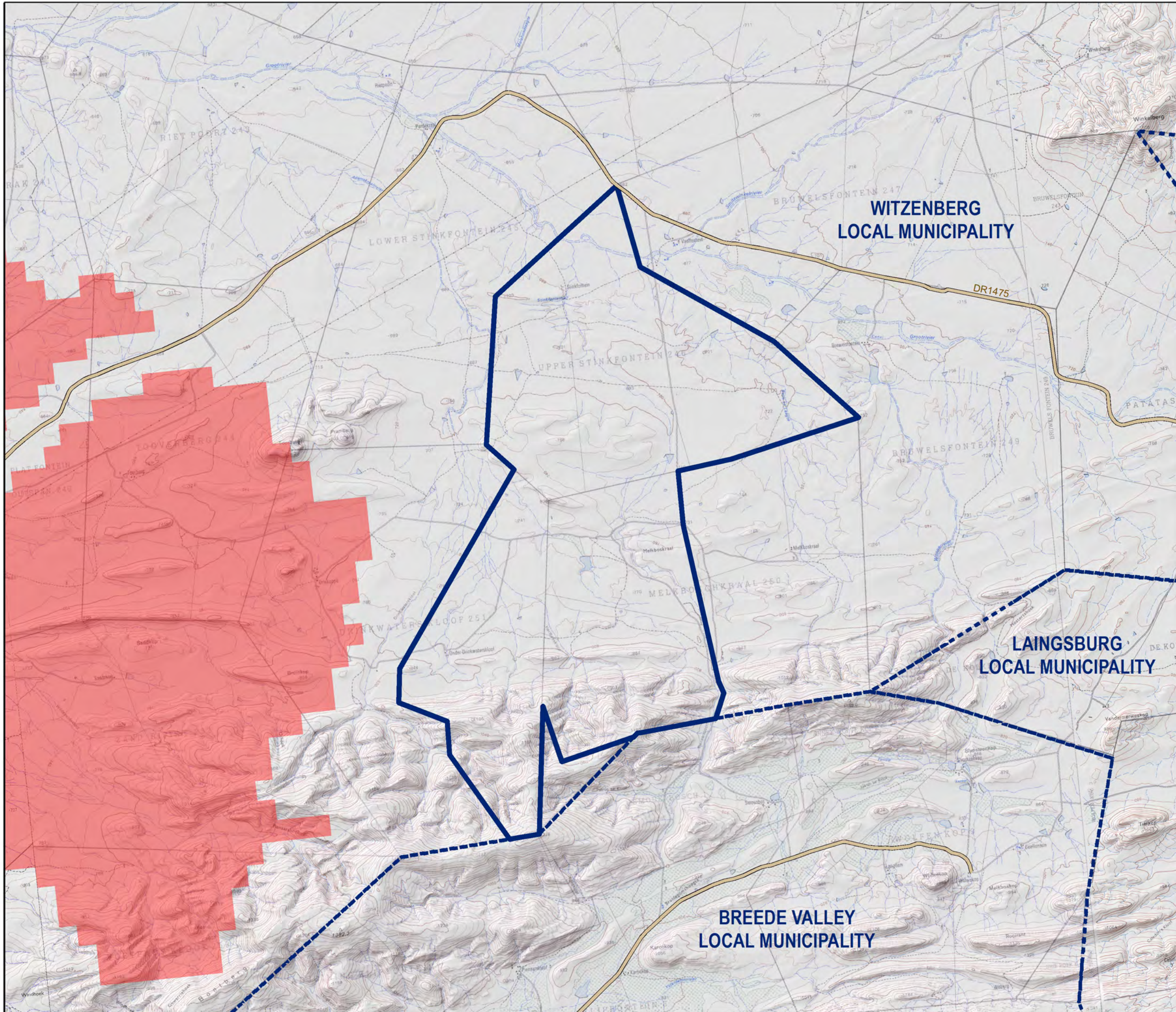
THIS MAP HAS BEEN PREPARED UNDER THE CONTROLS ESTABLISHED BY THE SIVEST QUALITY MANAGEMENT SYSTEM WHICH HAS BEEN CERTIFIED ISO 9001:2015 COMPLIANT



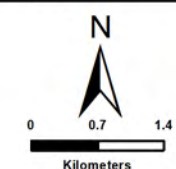
**PROPOSED
CONSTRUCTION OF THE
PATATSKLOOF WIND
ENERGY FACILITY
NEAR TOUWS RIVER,
WESTERN CAPE PROVINCE
PROTECTED AREAS
& NPAES**

Legend

-  Local Municipal Boundaries
-  Secondary Roads
-  Rivers
-  NPAES
-  Pataskloof WEF Application



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



SIVEST
ENVIRONMENTAL DIVISION
4 PENCARROW CRESCENT
LA LUCIA RIDGE OFFICE ESTATE
UMHLANGA ROCKS
4320
Phone: +27 31 581 1500
Fax: +27 31 581 2371
e-mail: info@sivest.co.za

Project No 16168	Prepared By SB	Date 28/11/2022
Map Ref No 16168	Revision 0	Date

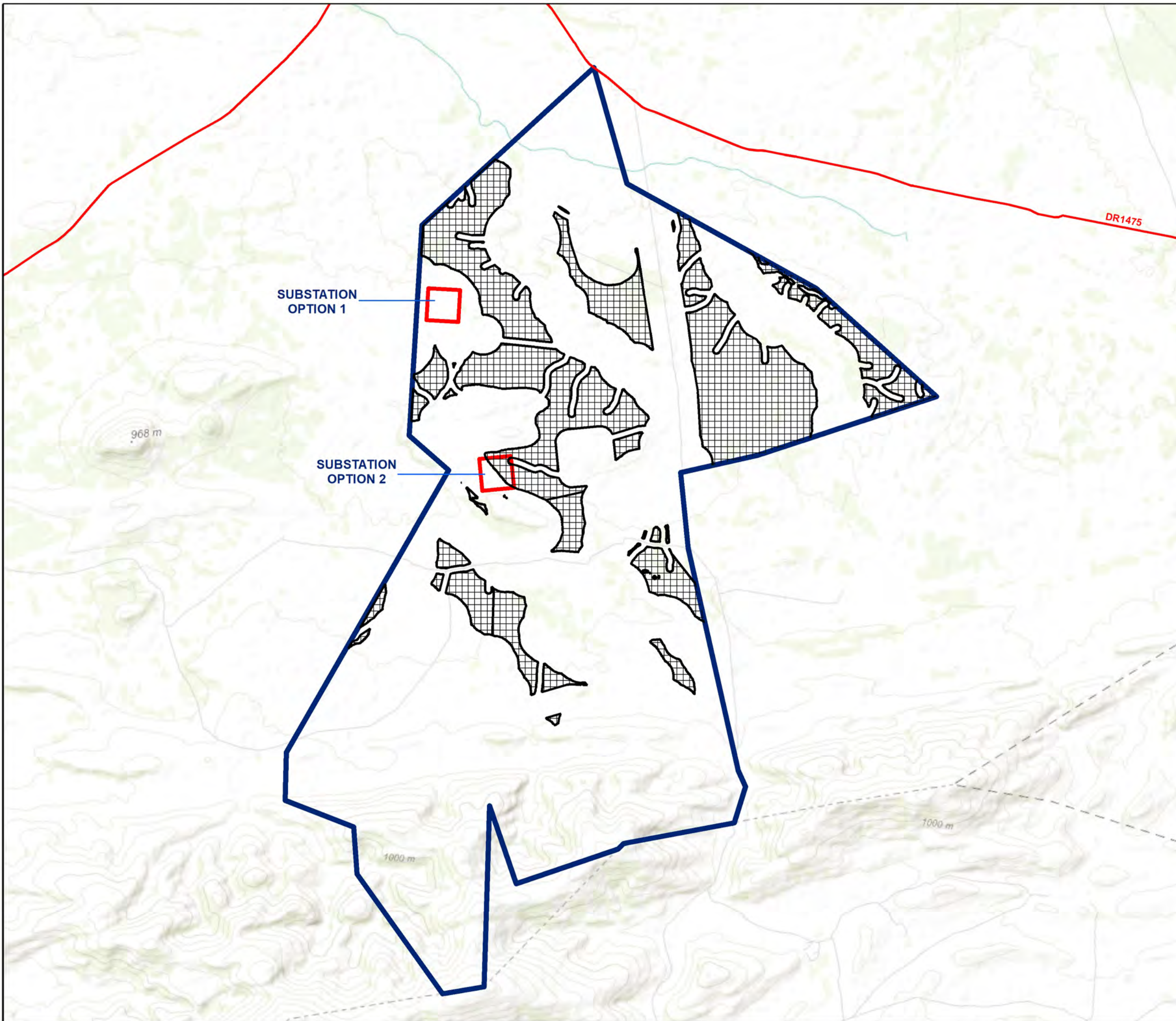
"COPYRIGHT IS VESTED IN SIVEST IN TERMS OF THE COPYRIGHT ACT (ACT 98 OF 1978) AND NO USE OR REPRODUCTION OR DUPLICATION THEREOF MAY OCCUR WITHOUT THE WRITTEN CONSENT OF THE AUTHOR"

THIS MAP HAS BEEN PREPARED UNDER THE CONTROLS ESTABLISHED BY THE SIVEST QUALITY MANAGEMENT SYSTEM WHICH HAS BEEN CERTIFIED ISO 9001:2015 COMPLIANT

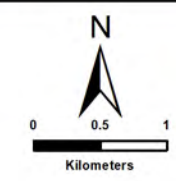
**PROPOSED
CONSTRUCTION OF THE
PATATSKLOOF WIND
ENERGY FACILITY**
NEAR TOUWS RIVER,
WESTERN CAPE PROVINCE
PROPOSED LAYOUT

Legend

-  Secondary Roads
-  Patatskloof WEF Application Site
- Proposed WEF Components**
-  Buildable Areas
-  Proposed Substation Site Alternatives



Source:
NGI, 2014



SIVEST
ENVIRONMENTAL DIVISION
4 PENCARROW CRESCENT
LA LUCIA RIDGE OFFICE ESTATE
UMHLANGA ROCKS
4320
Phone: +27 31 581 1500
Fax: +27 31 581 2371
e-mail: info@sivest.co.za

Project No 16168	Prepared By SB	Date 26/10/2022
Map Ref No 16168	Revision 0	Date

"COPYRIGHT IS VESTED IN SIVEST IN TERMS OF THE COPYRIGHT ACT (ACT 98 OF 1978) AND NO USE OR REPRODUCTION OR DUPLICATION THEREOF MAY OCCUR WITHOUT THE WRITTEN CONSENT OF THE AUTHOR"

THIS MAP HAS BEEN PREPARED UNDER THE CONTROLS ESTABLISHED BY THE SIVEST QUALITY MANAGEMENT SYSTEM WHICH HAS BEEN CERTIFIED ISO 9001:2015 COMPLIANT

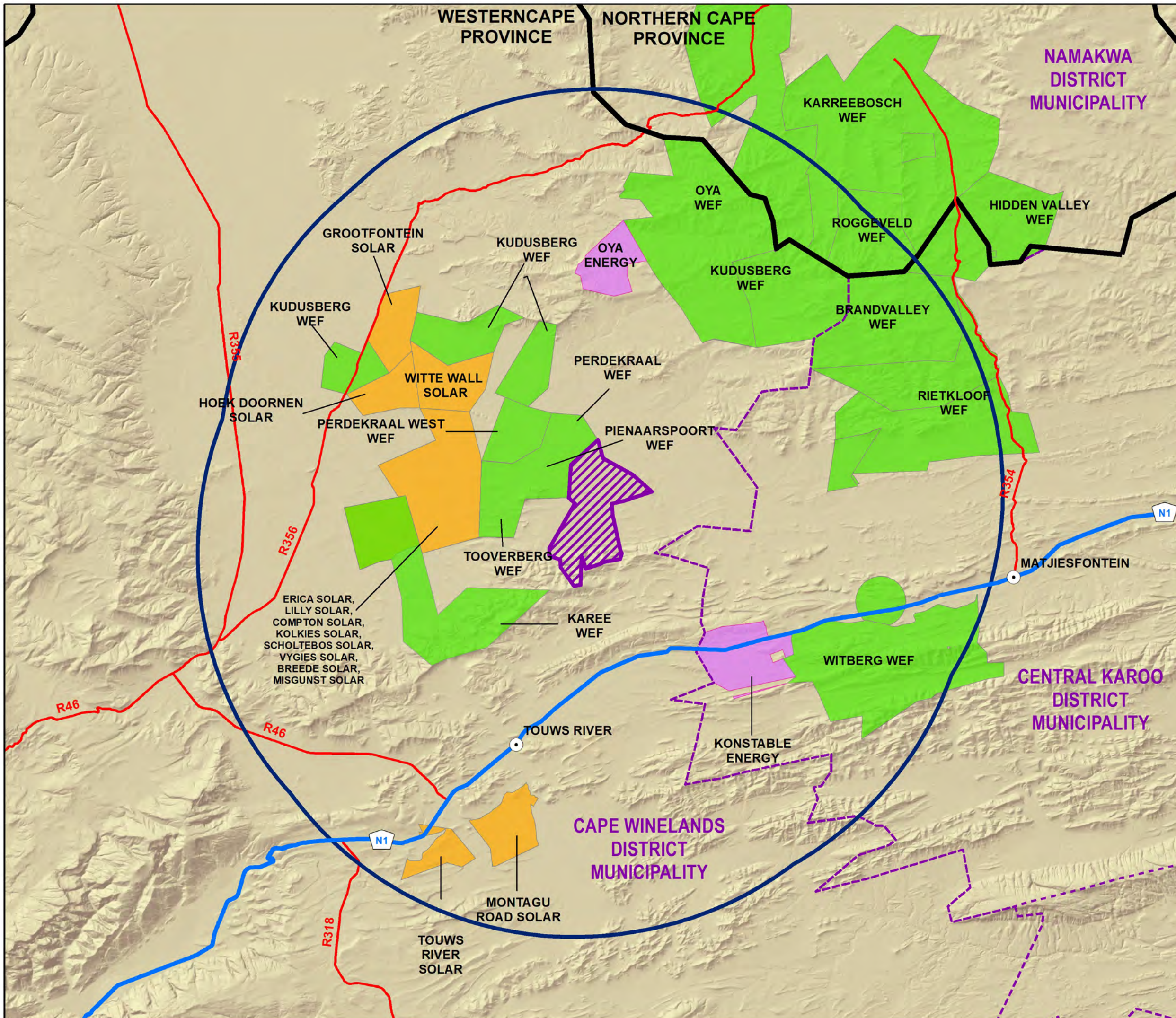
PROPOSED CONSTRUCTION OF THE PATATSKLOOF WIND ENERGY FACILITY
 NEAR TOUWS RIVER,
 WESTERN CAPE PROVINCE
 RENEWABLE ENERGY PROJECTS
 WITHIN 35KM RADIUS
 (EXISTING AND PROPOSED)

Legend

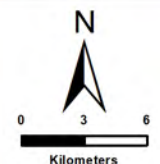
- Main Towns
- Provincial Boundaries
- District Municipal Boundaries
- National Route
- Main Arterial Routes
- Patatskloof WEF Application Site
- 35km Radius

Renewable Energy Application Sites

- Onshore Wind
- Solar
- Hybrid



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



SIVEST
 ENVIRONMENTAL DIVISION
 4 PENCARROW CRESCENT
 LA LUCIA RIDGE OFFICE ESTATE
 UMHLANGA ROCKS
 4320
 Phone: +27 31 581 1500
 Fax: +27 31 581 2371
 e-mail: info@sivest.co.za


Project No 16168	Prepared By SB	Date 28/09/2022
Map Ref No 16168	Revision 0	Date

"COPYRIGHT IS VESTED IN SIVEST IN TERMS OF THE COPYRIGHT ACT (ACT 98 OF 1978) AND NO USE OR REPRODUCTION OR DUPLICATION THEREOF MAY OCCUR WITHOUT THE WRITTEN CONSENT OF THE AUTHOR"



THIS MAP HAS BEEN PREPARED UNDER THE CONTROLS ESTABLISHED BY THE SIVEST QUALITY MANAGEMENT SYSTEM WHICH HAS BEEN CERTIFIED ISO 9001:2015 COMPLIANT

**PROPOSED
CONSTRUCTION OF THE
PATATSKLOOF WIND
ENERGY FACILITY**
NEAR TOUWS RIVER,
WESTERN CAPE PROVINCE
SENSITIVITY LAYOUT



Legend

 Patatskloof WEF Application Site


Proposed WEF Components

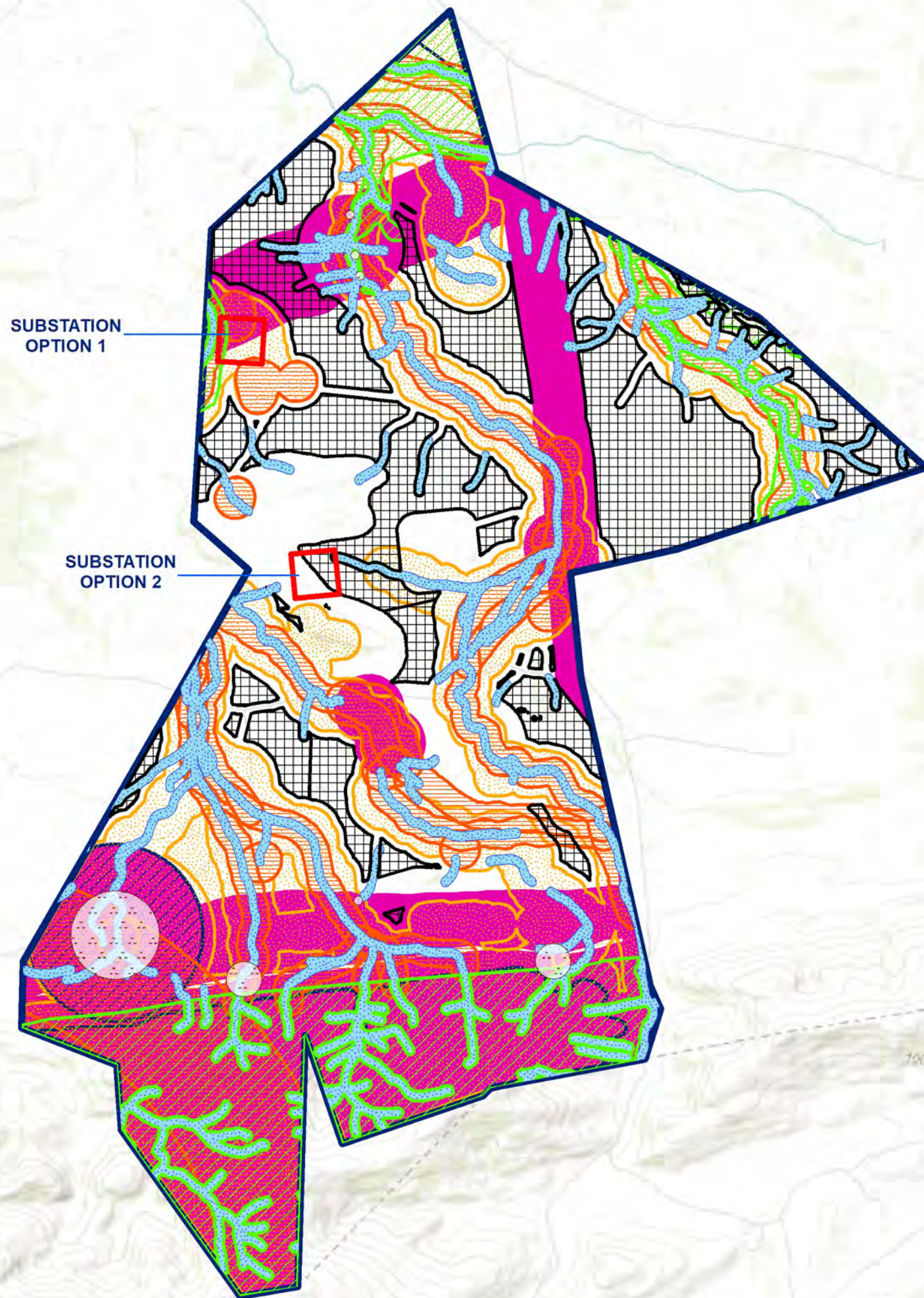
 Buildable Areas
 Proposed Substation Site Alternatives

Environmental Sensitivities (No-Go)

 Aquatic Sensitivity
 Archaeological Sensitivity
 Avifaunal Sensitivity
 Bat Sensitivity
 Cultural Sensitivity
 Terrestrial Sensitivity

Limited Development Zones

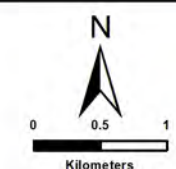
 Visual Sensitivity



968 m

1000 m

Source:
NGI, 2014



SIVEST
ENVIRONMENTAL DIVISION
4 PENCARROW CRESCENT
LA LUCIA RIDGE OFFICE ESTATE
UMHLANGA ROCKS
4320
Phone: +27 31 581 1500
Fax: +27 31 581 2371
e-mail: info@sivest.co.za


Project No 16168	Prepared By SB	Date 26/10/2022
Map Ref No 16168	Revision 0	Date

"COPYRIGHT IS VESTED IN SIVEST IN TERMS OF THE COPYRIGHT ACT (ACT 98 OF 1978) AND NO USE OR REPRODUCTION OR DUPLICATION THEREOF MAY OCCUR WITHOUT THE WRITTEN CONSENT OF THE AUTHOR"


THIS MAP HAS BEEN PREPARED UNDER THE CONTROLS ESTABLISHED BY THE SIVEST QUALITY MANAGEMENT SYSTEM WHICH HAS BEEN CERTIFIED ISO 9001:2015 COMPLIANT

**PROPOSED
CONSTRUCTION OF THE
PATATSKLOOF WIND
ENERGY FACILITY**
**NEAR TOUWS RIVER,
WESTERN CAPE PROVINCE**
SENSITIVITY LAYOUT

Legend

 Patatskloof WEF Application Site


Proposed WEF Components

 Buildable Areas

Environmental Sensitivities (No-Go)

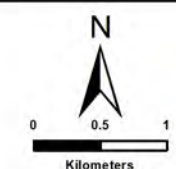
-  Aquatic Sensitivity
-  Archaeological Sensitivity
-  Avifaunal Sensitivity
-  Bat Sensitivity
-  Cultural Sensitivity
-  Terrestrial Sensitivity

Limited Development Zones

 Visual Sensitivity



Source:
NGI, 2014



SIVEST
ENVIRONMENTAL DIVISION
4 PENCARROW CRESCENT
LA LUCIA RIDGE OFFICE ESTATE
UMHLANGA ROCKS
4320
Phone: +27 31 581 1500
Fax: +27 31 581 2371
e-mail: info@sivest.co.za

Project No 16168	Prepared By SB	Date 26/10/2022
Map Ref No 16168	Revision 0	Date

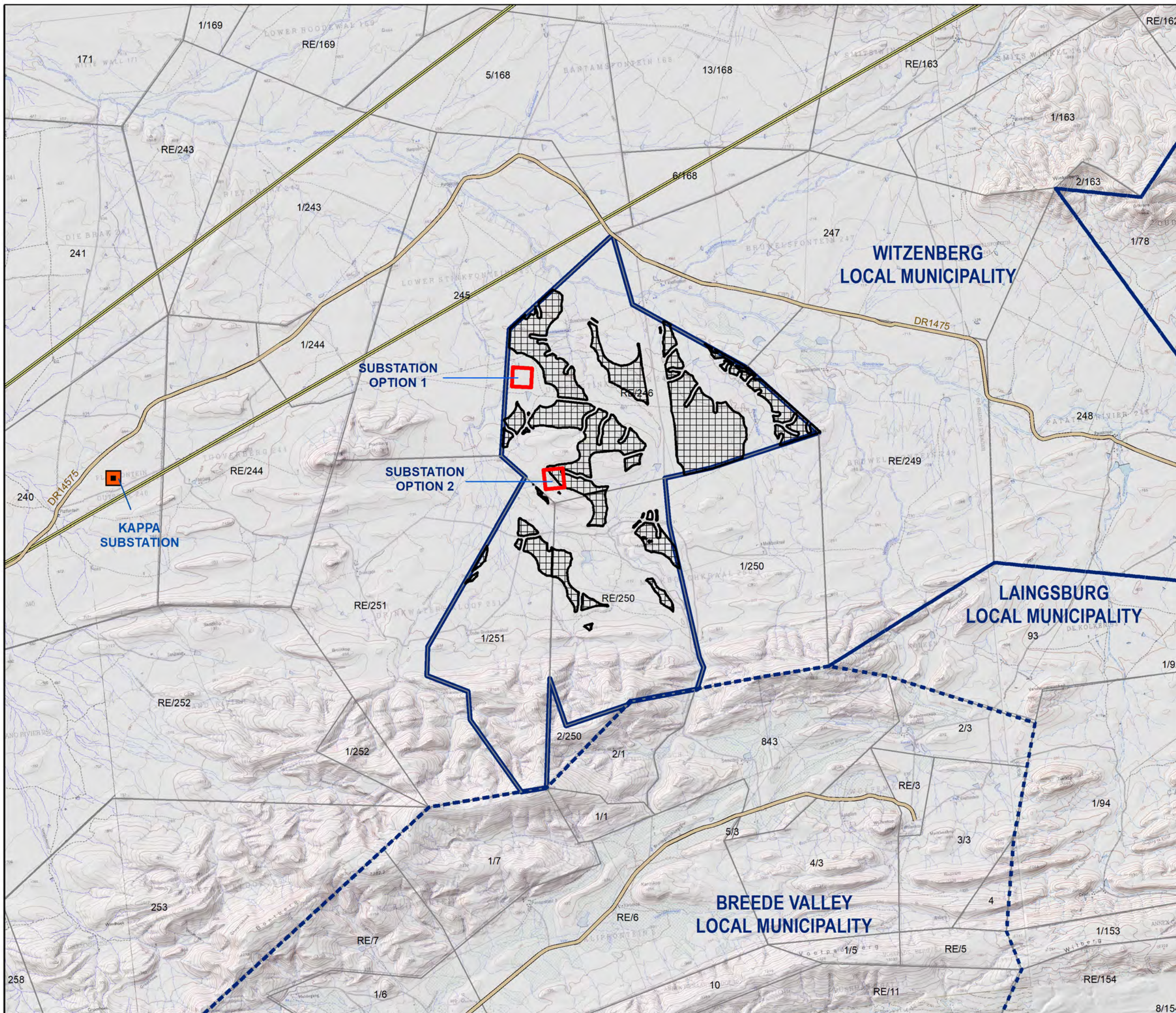
"COPYRIGHT IS VESTED IN SIVEST IN TERMS OF THE COPYRIGHT ACT (ACT 98 OF 1978) AND NO USE OR REPRODUCTION OR DUPLICATION THEREOF MAY OCCUR WITHOUT THE WRITTEN CONSENT OF THE AUTHOR"

THIS MAP HAS BEEN PREPARED UNDER THE CONTROLS ESTABLISHED BY THE SIVEST QUALITY MANAGEMENT SYSTEM WHICH HAS BEEN CERTIFIED ISO 9001:2015 COMPLIANT

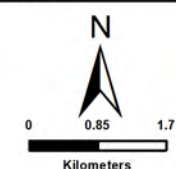
**PROPOSED
CONSTRUCTION OF THE
PATATSKLOOF WIND
ENERGY FACILITY**
NEAR TOUWS RIVER,
WESTERN CAPE PROVINCE
SITE LOCALITY

Legend

-  Local Municipal Boundaries
-  Secondary Roads
-  Rivers
-  Existing High Voltage Power Lines (>=400kV)
-  Existing Substation
-  Farm Portions
-  Buildable Areas
-  Proposed Substation Site Alternatives
-  Patatskloof WEF Application Site



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



SIVEST
ENVIRONMENTAL DIVISION
4 PENCARROW CRESCENT
LA LUCIA RIDGE OFFICE ESTATE
UMHLANGA ROCKS
4320
Phone: +27 31 581 1500
Fax: +27 31 581 2371
e-mail: info@sivest.co.za

Project No 16168	Prepared By SB	Date 28/09/2022
Map Ref No 16168	Revision 0	Date

"COPYRIGHT IS VESTED IN SIVEST IN TERMS OF THE COPYRIGHT ACT (ACT 98 OF 1978) AND NO USE OR REPRODUCTION OR DUPLICATION THEREOF MAY OCCUR WITHOUT THE WRITTEN CONSENT OF THE AUTHOR"





THIS MAP HAS BEEN PREPARED UNDER THE CONTROLS ESTABLISHED BY THE SIVEST QUALITY MANAGEMENT SYSTEM WHICH HAS BEEN CERTIFIED ISO 9001:2015 COMPLIANT

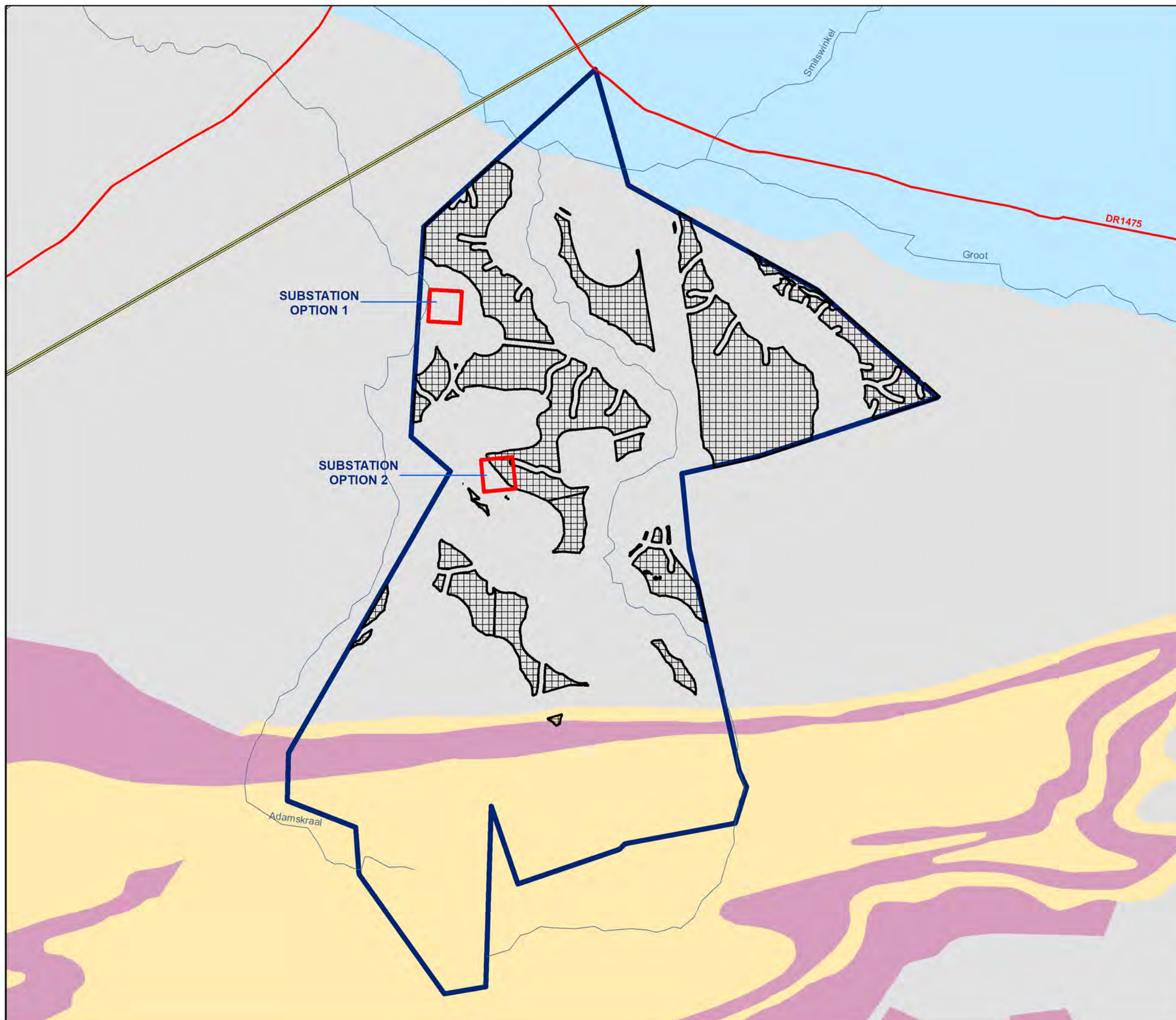
**PROPOSED
CONSTRUCTION OF THE
PATATSKLOOF WIND
ENERGY FACILITY**
NEAR TOUWS RIVER,
WESTERN CAPE PROVINCE
VEGETATION CLASSIFICATION

Legend

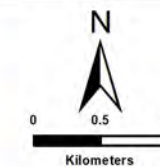
-  Secondary Roads
-  Existing High Voltage Power Lines (>=400kV)
-  Rivers
-  Buildable Areas
-  Proposed Substation Site Alternatives
-  Patatskloof WEF Application Site

Vegetation Classification

-  Matjiesfontein Quartzite Fynbos
-  Matjiesfontein Shale Renosterveld
-  Tanqua Karoo
-  Tanqua Wash Riviere



Source:
ESKOM, 2012
NFEPA, 2011
SANBI, 2018



ENVIRONMENTAL DIVISION
4 PENCARROW CRESCENT
LA LUCIA RIDGE OFFICE ESTATE
UMHLANGA ROCKS
4320
Phone: +27 31 581 1500
Fax: +27 31 581 2371
e-mail: info@sivest.co.za

Project No 16168	Prepared By SB	Date 28/09/2022
Map Ref No 16168	Revision 0	Date

"COPYRIGHT IS VESTED IN SIVEST IN TERMS OF THE COPYRIGHT ACT (ACT 98 OF 1978) AND NO USE OR REPRODUCTION OR DUPLICATION THEREOF MAY OCCUR WITHOUT THE WRITTEN CONSENT OF THE AUTHOR"

THIS MAP HAS BEEN PREPARED UNDER THE CONTROLS ESTABLISHED BY THE SIVEST QUALITY MANAGEMENT SYSTEM WHICH HAS BEEN CERTIFIED ISO 9001:2015 COMPLIANT