






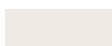
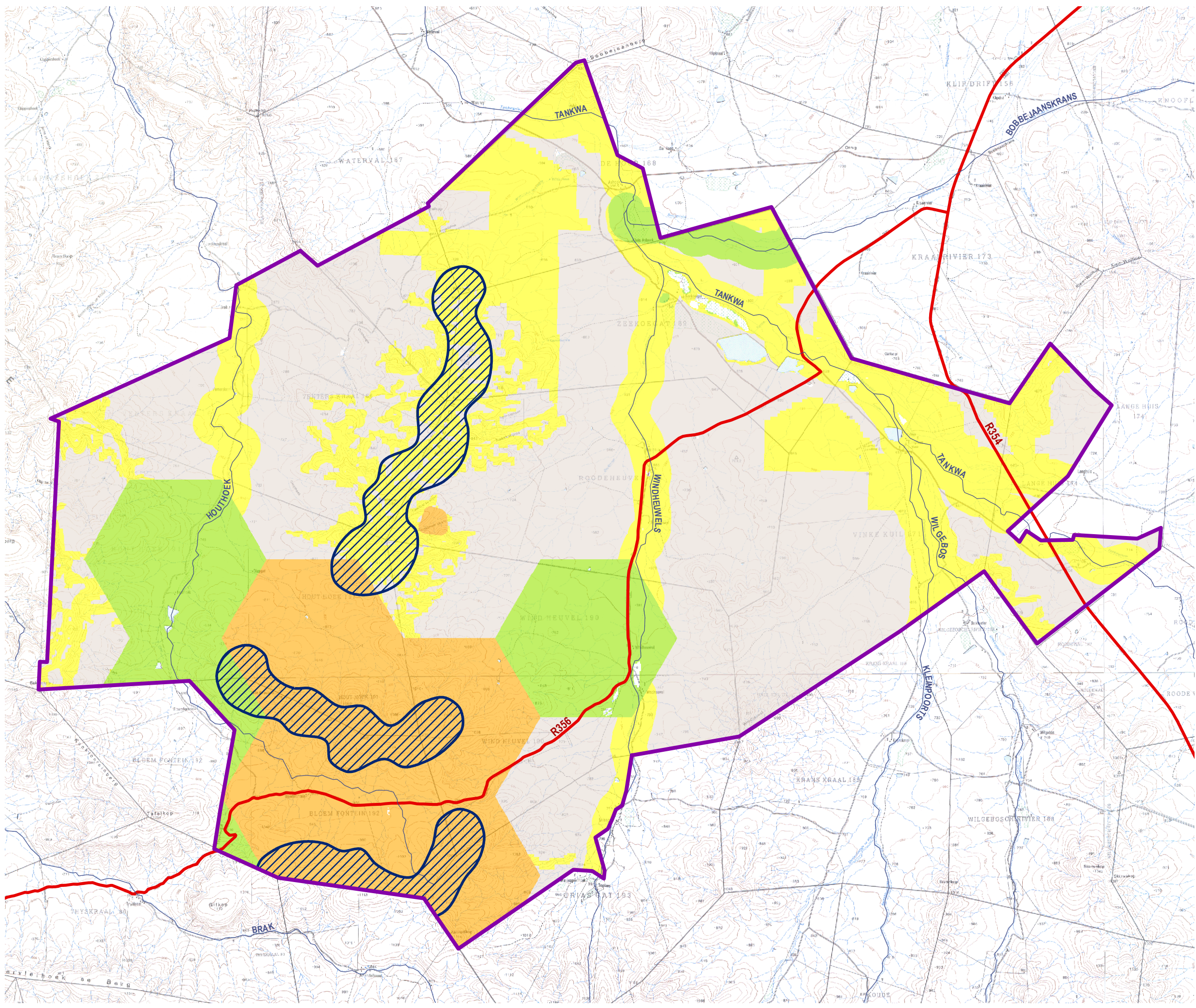


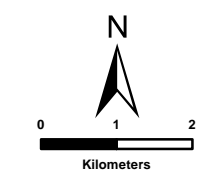
**PROPOSED
CONSTRUCTION OF THE
RONDEKOP WIND ENERGY
FACILITY
NEAR SUTHERLAND,
NORTHERN CAPE PROVINCE
CRITICAL BIODIVERSITY AREAS**

Legend

-  Main Roads
-  Rivers
-  Rondekop WEF Application Site
-  Turbine Development Sectors
- Critical Biodiversity Areas**
-  CBA 1
-  CBA 2
-  ESA
-  Other Natural Areas



SOURCE:
NFEPA, 2011
NORTHERN CAPE DEPT. OF ENVIRONMENT AND NATURE
CONSERVATION, 2016



SIVEST
ENVIRONMENTAL DIVISION
51 WESSELS ROAD
RIVONIA, 2128
JOHANNESBURG
SOUTH AFRICA
Phone: +27 11 798 0600
Fax: +27 11 803 7272
e-mail: info@sivest.co.za




Project No 15260	Prepared By KLS	Date 11/10/2018
Map Ref No 15260/S_09	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"

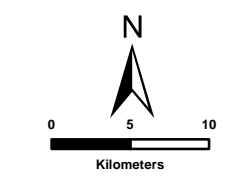
THIS MAP HAS BEEN PREPARED UNDER THE CONTROLS ESTABLISHED BY THE SIVEST QUALITY MANAGEMENT SYSTEM WHICH HAS BEEN CERTIFIED ISO 9001:2008 COMPLIANT

**PROPOSED
CONSTRUCTION OF THE
RONDEKOP WIND ENERGY
FACILITY**
NEAR SUTHERLAND,
NORTHERN CAPE PROVINCE
OTHER PROPOSED RENEWABLE
ENERGY DEVELOPMENTS WITHIN
50KM RADIUS

Legend

-  Main Towns
-  Provincial Boundaries
-  District Municipal Boundaries
-  Main Roads
-  Main Rivers
-  Rondekop Application Site
-  50km Radius
- Renewable Energy Application Sites**
-  Onshore Wind
-  Solar PV

SOURCE:
DEA, 2018
G7 RENEWABLE ENERGIES (PTY) LTD
NFEPA, 2011
NGI, 2014

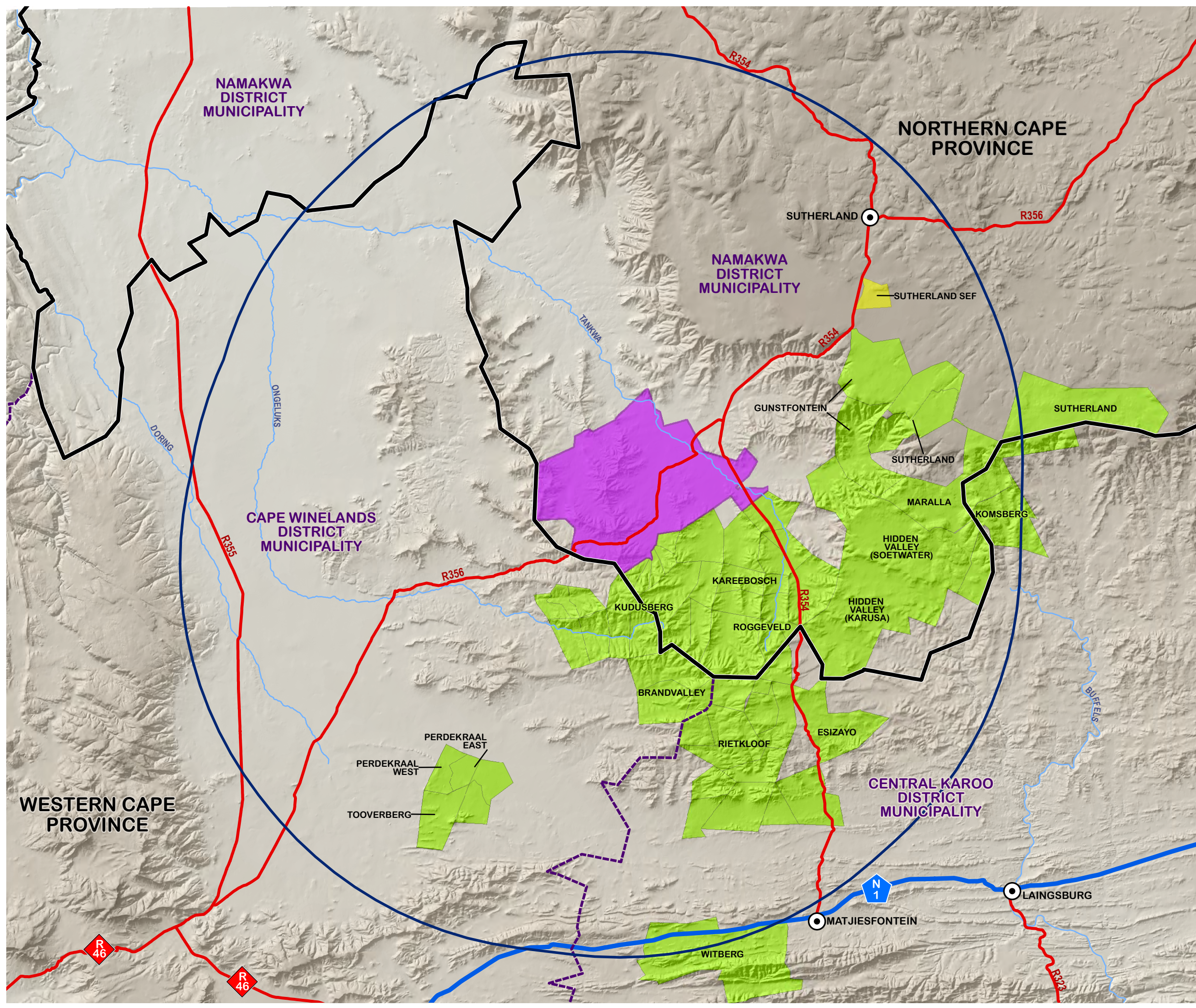


SIVEST
ENVIRONMENTAL DIVISION
51 WESSELS ROAD
RIVONIA, 2128
JOHANNESBURG
SOUTH AFRICA
Phone: +27 11 798 0600
Fax: +27 11 803 7272
e-mail: info@sivest.co.za

Project No 15200	Prepared By KLS	Date 28/09/2018
Map Ref No 15260/S_08	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 9001:2008 COMPLIANT












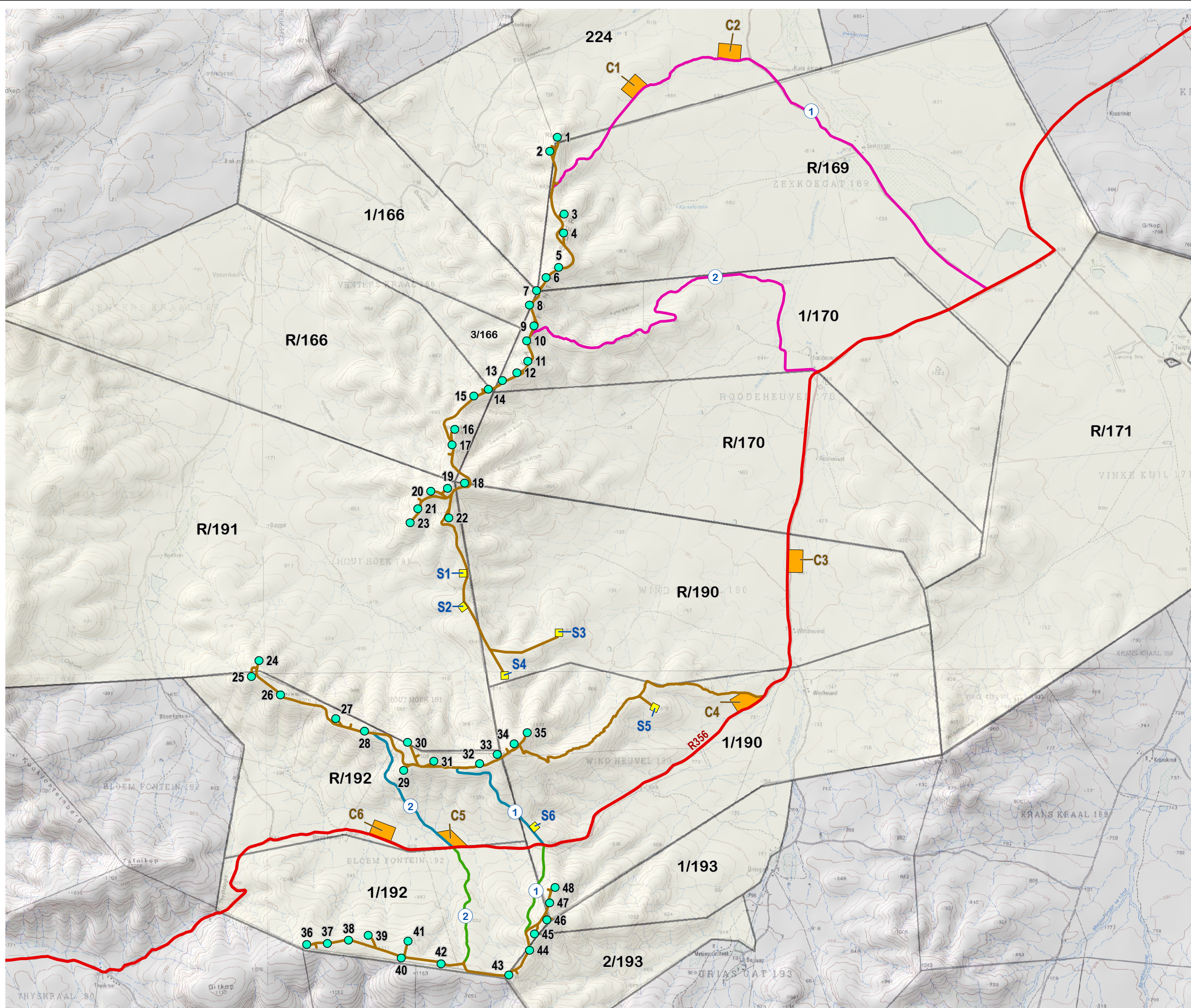
PROPOSED CONSTRUCTION OF THE RONDEKOP WIND ENERGY FACILITY

NEAR SUTHERLAND, NORTHERN CAPE PROVINCE

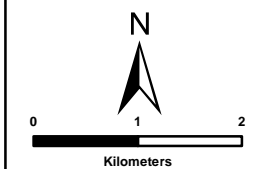
PROJECT OVERVIEW

Legend

-  Main Roads
-  Component Farm Portions
-  Proposed Turbine Positions
-  Construction Camp Alternatives
-  Substation Site Alternatives
-  Access Road Alternatives (North Ridge)
-  Access Road Alternatives (Centre Ridge)
-  Access Road Alternative (South Ridge)
-  Turbine and Substation Access Roads



SOURCE:
NGI, 2014



ENVIRONMENTAL DIVISION
51 WESSELS ROAD
RIVONIA, 2128
JOHANNESBURG
SOUTH AFRICA
Phone: +27 11 798 0600
Fax: +27 11 803 7272
e-mail: info@sivest.co.za








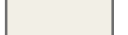

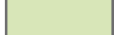



Project No 15260	Prepared By KLS	Date 12/10/2018
Map Ref No 15260/S_01	Revision 0	Date

"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"

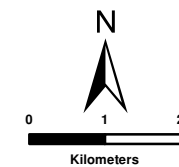
THIS MAP HAS BEEN PREPARED UNDER THE CONTROLS ESTABLISHED BY THE SIVEST QUALITY MANAGEMENT SYSTEM WHICH HAS BEEN CERTIFIED ISO 9001:2008 COMPLIANT

**PROPOSED
CONSTRUCTION OF THE
RONDEKOP WIND ENERGY
FACILITY**
**NEAR SUTHERLAND,
NORTHERN CAPE PROVINCE**
**BROAD LAND COVER
CLASSIFICATION**

Legend

-  Main Roads
 -  Rivers
 -  Rondekop WEF Application Site
 -  Turbine Development Sectors
- Land Cover Classification**
-  Bare (None Vegetated)
 -  Cultivation
 -  Grassland
 -  Low Shrubland
 -  Mines / Quarries
 -  Shrubland Fynbos
 -  Thicket / Dense Bush
 -  Wetlands / Waterbodies
 -  Woodland / Open Bush

SOURCE:
NFEPA, 2011
2013-2014 SA NATIONAL LAND COVER
(© GEOTERRAIMAGE - 2014)

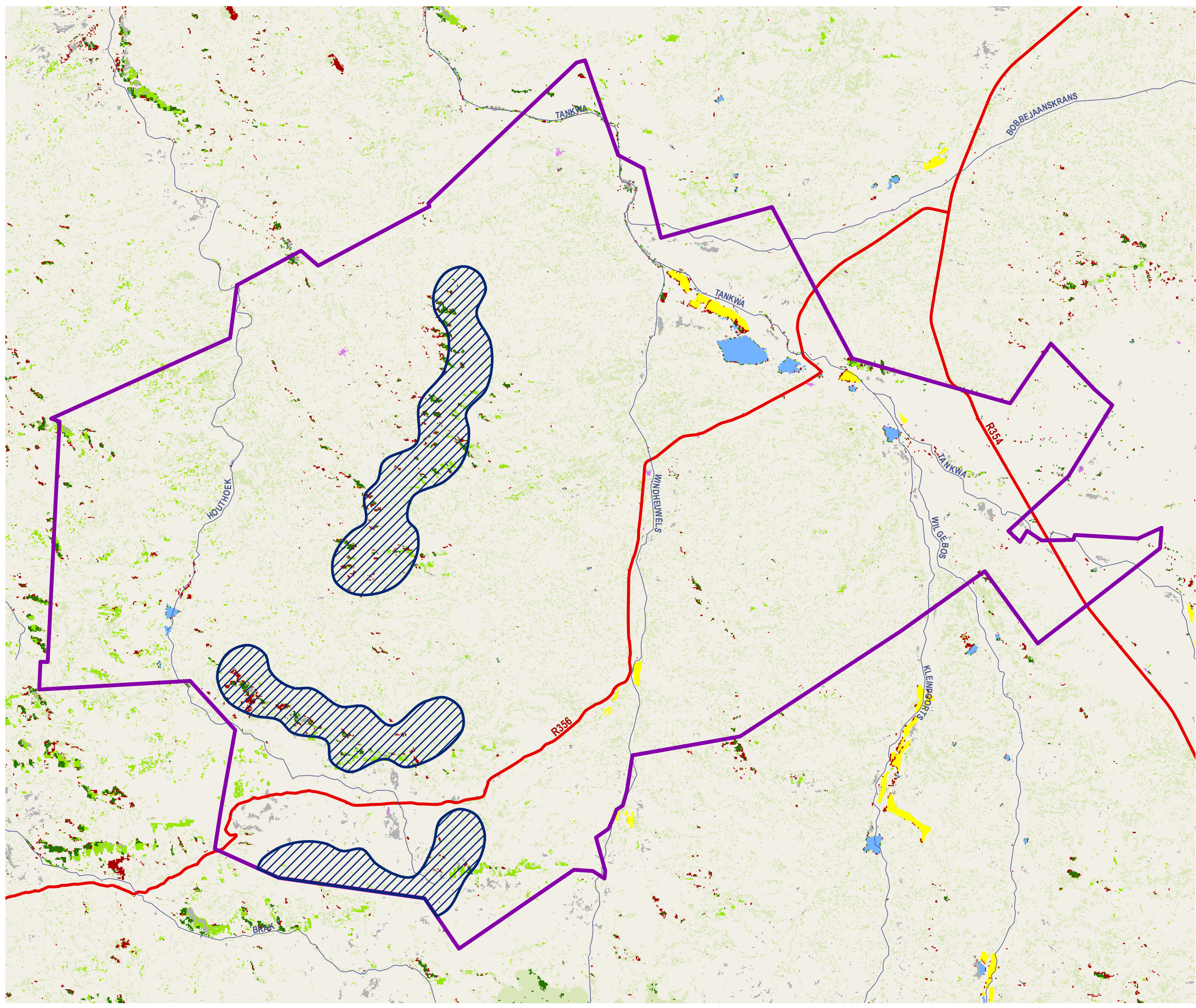


SIVEST
ENVIRONMENTAL DIVISION
51 WESSELS ROAD
RIVONIA, 2128
JOHANNESBURG
SOUTH AFRICA
Phone: +27 11 798 0600
Fax: +27 11 803 7272
e-mail: info@sivest.co.za

Project No 15260	Prepared By KLS	Date 11/10/2018
Map Ref No 15260/S_07	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"

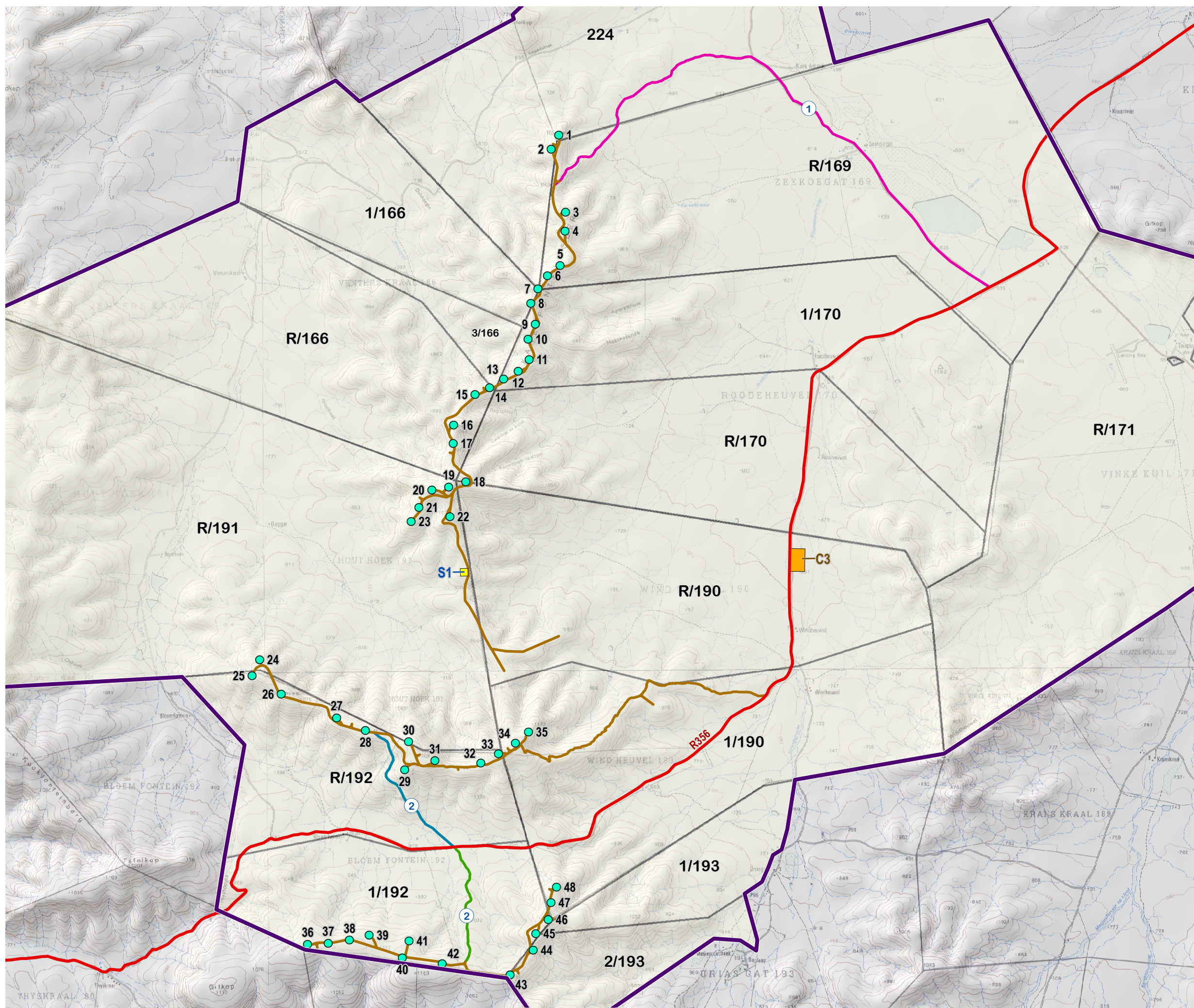
THIS MAP HAS BEEN PREPARED UNDER THE CONTROLS ESTABLISHED BY THE SIVEST QUALITY MANAGEMENT SYSTEM WHICH HAS BEEN CERTIFIED ISO 9001:2008 COMPLIANT



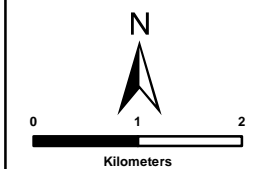
**PROPOSED
CONSTRUCTION OF THE
RONDEKOP WIND ENERGY
FACILITY
NEAR SUTHERLAND,
NORTHERN CAPE PROVINCE
PREFERRED LAYOUT**

Legend

-  Main Roads
-  Rondekop WEF Application Site
-  Component Farm Portions
-  Proposed Turbine Positions
-  Construction Camp Alternative 3
-  Substation Site Alternative 1
-  North Ridge Access Road (Alternative 1)
-  Centre Ridge Access Road (Alternative 2)
-  South Ridge Access Road (Alternative 2)
-  Turbine and Substaion Access Roads



SOURCE:
NGI, 2014



ENVIRONMENTAL DIVISION
51 WESSELS ROAD
RIVONIA, 2128
JOHANNESBURG
SOUTH AFRICA
Phone: +27 11 798 0600
Fax: +27 11 803 7272
e-mail: info@sivest.co.za














Project No 15260	Prepared By KLS	Date 14/03/2019
Map Ref No 15260/E_03	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 9001:2008 COMPLIANT

**PROPOSED
CONSTRUCTION OF THE
RONDEKOP WIND ENERGY
FACILITY**
**NEAR SUTHERLAND,
NORTHERN CAPE PROVINCE**
**PREFERRED LAYOUT WITH
SENSITIVITY OVERLAY**

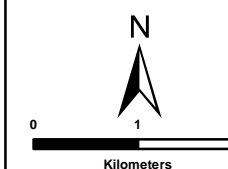
Legend

-  Main Roads
 -  Rondekop WEF Application Site
 -  Proposed Turbine Positions
 -  Construction Camp Alternative 3
 -  Substation Site Alternative 1
 -  North Ridge Access Road (Alternative 1)
 -  Centre Ridge Access Road (Alternative 2)
 -  South Ridge Access Road (Alternative 2)
 -  Turbine and Substaion Access Roads
- Critical Biodiversity Areas**
-  CBA 1
 -  CBA 2
 -  ESA
 -  Other Natural Areas

Sensitivity Layers

-  Avifaunal Sensitivity: Very High (Inclusive of 200m Buffers)*
 -  Bat Sensitivity: Very High (Inclusive of 200m Buffers)*
 -  Ecological Sensitivity: High
 -  Heritage Sensitivity (Inclusive of 50m Buffers)
 -  Noise Sensitivity (Inclusive of 500m Buffers)*
 -  Visual Sensitivity (Inclusive of 500m Exclusion Zone)*
 -  Watercourses
 -  Watercourse Buffers (32m)
- * Sensitivity relates to wind turbines only

SOURCE:
NGI, 2014
NORTHERN CAPE DEPT. OF ENVIRONMENT AND NATURE
CONSERVATION, 2016

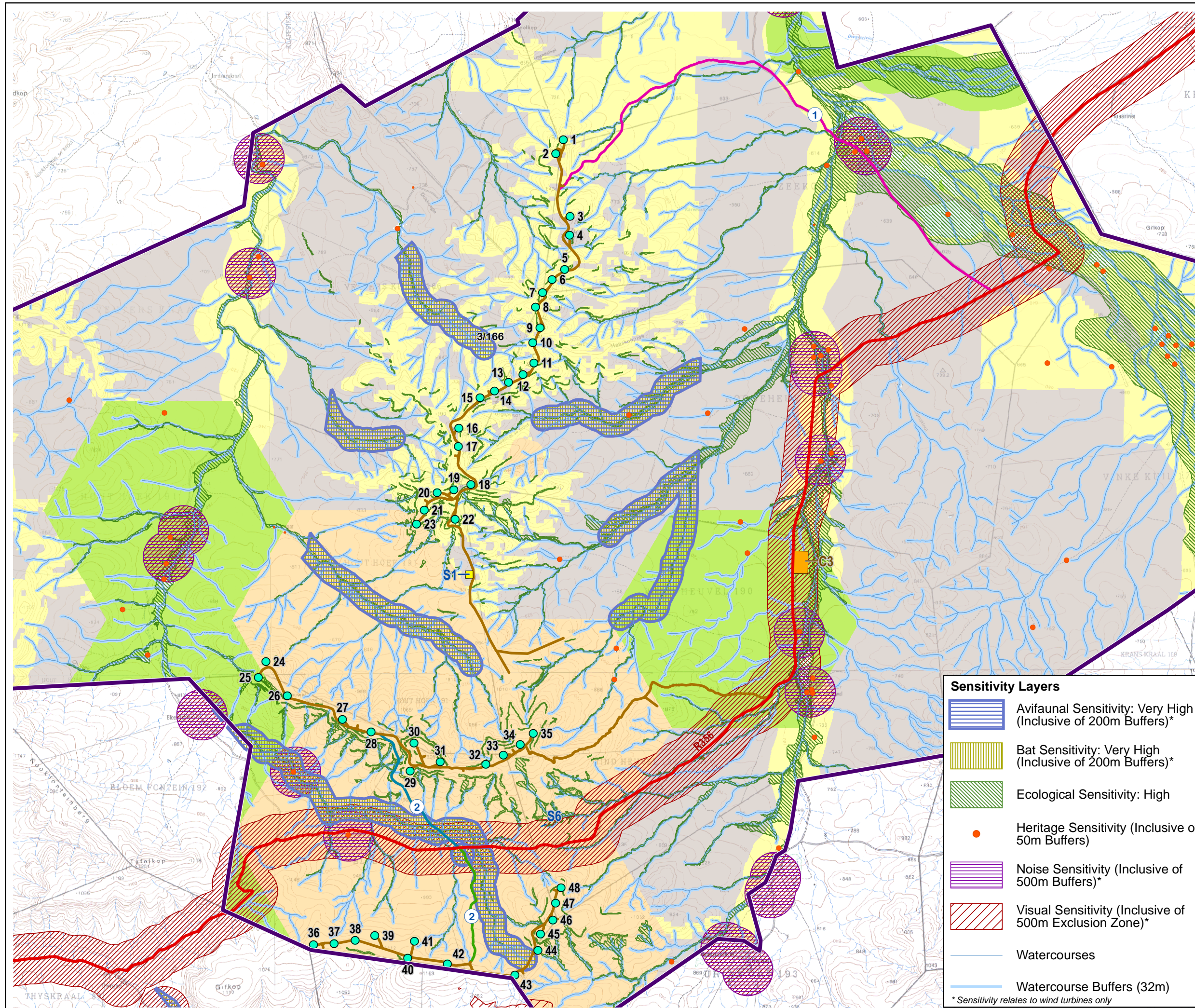


SIVEST
ENVIRONMENTAL DIVISION
51 WESSELS ROAD
RIVONIA, 2128
JOHANNESBURG
SOUTH AFRICA
Phone: +27 11 798 0600
Fax: +27 11 803 7272
e-mail: info@sivest.co.za

Project No 15260	Prepared By KLS	Date 14/03/2019
Map Ref No 15260/E_04	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 9001:2008 COMPLIANT











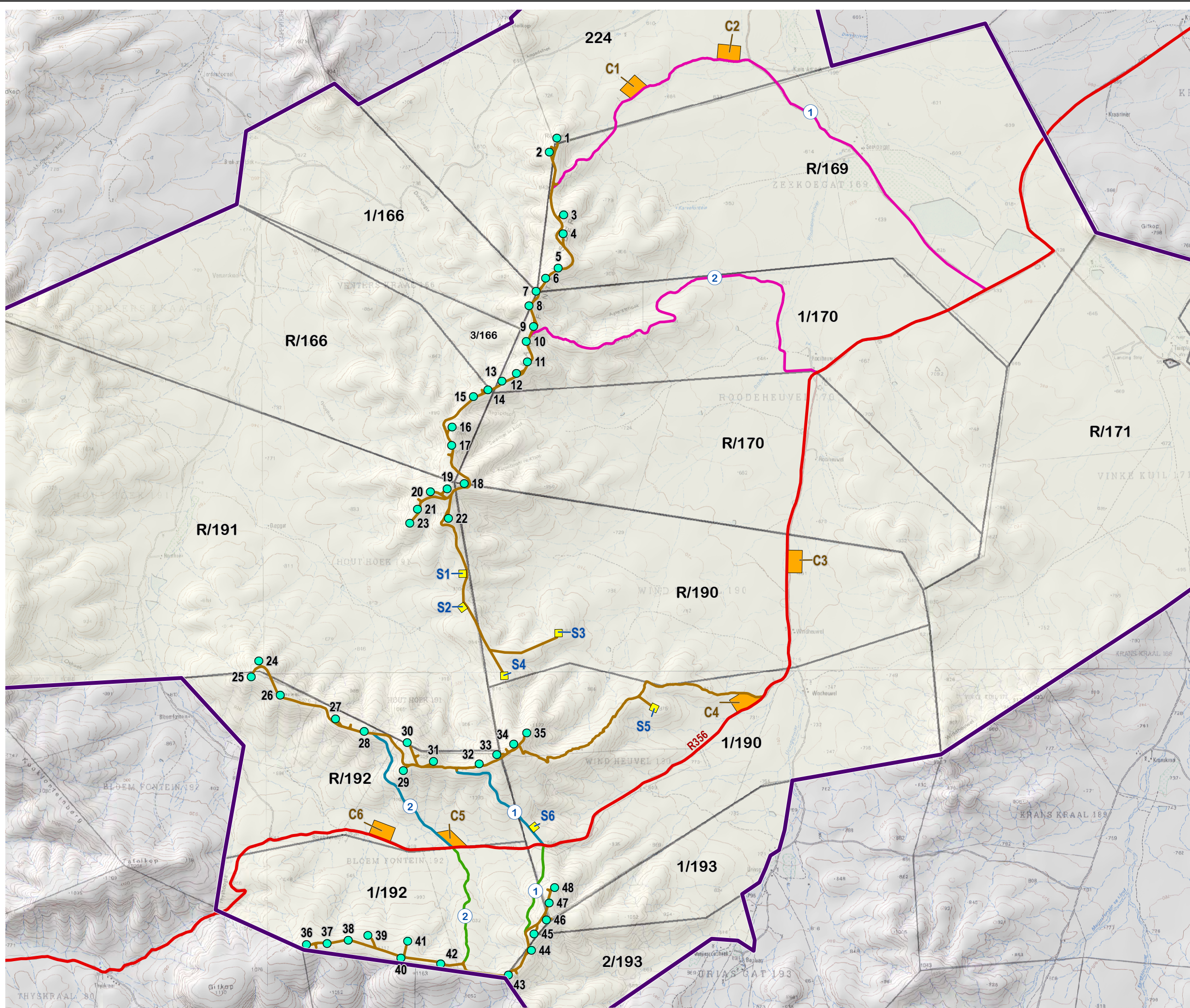
PROPOSED CONSTRUCTION OF THE RONDEKOP WIND ENERGY FACILITY

NEAR SUTHERLAND, NORTHERN CAPE PROVINCE

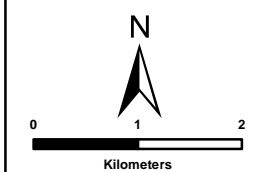
REFINED LAYOUT

Legend

-  Main Roads
-  Rondekop WEF Application Site
-  Component Farm Portions
-  Proposed Turbine Positions
-  Construction Camp Alternatives
-  Substation Site Alternatives
-  Access Road Alternatives (North Ridge)
-  Access Road Alternatives (Centre Ridge)
-  Access Road Alternative (South Ridge)
-  Turbine and Substaion Access Roads



SOURCE:
NGI, 2014



ENVIRONMENTAL DIVISION
51 WESSELS ROAD
RIVONIA, 2128
JOHANNESBURG
SOUTH AFRICA
Phone: +27 11 798 0600
Fax: +27 11 803 7272
e-mail: info@sivest.co.za

Project No 15260	Prepared By KLS	Date 19/02/2019
Map Ref No 15260/S_01	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 9001:2008 COMPLIANT

PROPOSED CONSTRUCTION OF THE RONDEKOP WIND ENERGY FACILITY






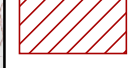


NEAR SUTHERLAND, NORTHERN CAPE PROVINCE

REFINED SENSITIVITY OVERLAY

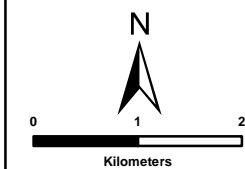
Legend

-  Main Roads
-  Rondekop WEF Application Site
-  Proposed Turbine Positions
-  Construction Camp Alternatives
-  Substation Site Alternatives
-  Access Road Alternatives (North Ridge)
-  Access Road Alternatives (Centre Ridge)
-  Access Road Alternative (South Ridge)
-  Turbine and Substaion Access Roads

Sensitivity Layers

-  Avifaunal Sensitivity: Very High (Inclusive of 200m Buffers)*
 -  Bat Sensitivity: Very High (Inclusive of 200m Buffers)*
 -  Ecological Sensitivity: High
 -  Heritage Sensitivity (Inclusive of 50m Buffers)
 -  Noise Sensitivity (Inclusive of 500m Buffers)*
 -  Visual Sensitivity (Inclusive of 500m Exclusion Zone)*
 -  Watercourses
 -  Watercourse Buffers (32m)
- * Sensitivity relates to wind turbines only

SOURCE:
NGI, 2014



ENVIRONMENTAL DIVISION
51 WESSELS ROAD
RIVONIA, 2128
JOHANNESBURG
SOUTH AFRICA
Phone: +27 11 798 0600
Fax: +27 11 803 7272
e-mail: info@sivest.co.za

Project No 15260	Prepared By KLS	Date 11/03/2019
---------------------	--------------------	--------------------

Map Ref No 15260/E_02	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 9001:2008 COMPLIANT

