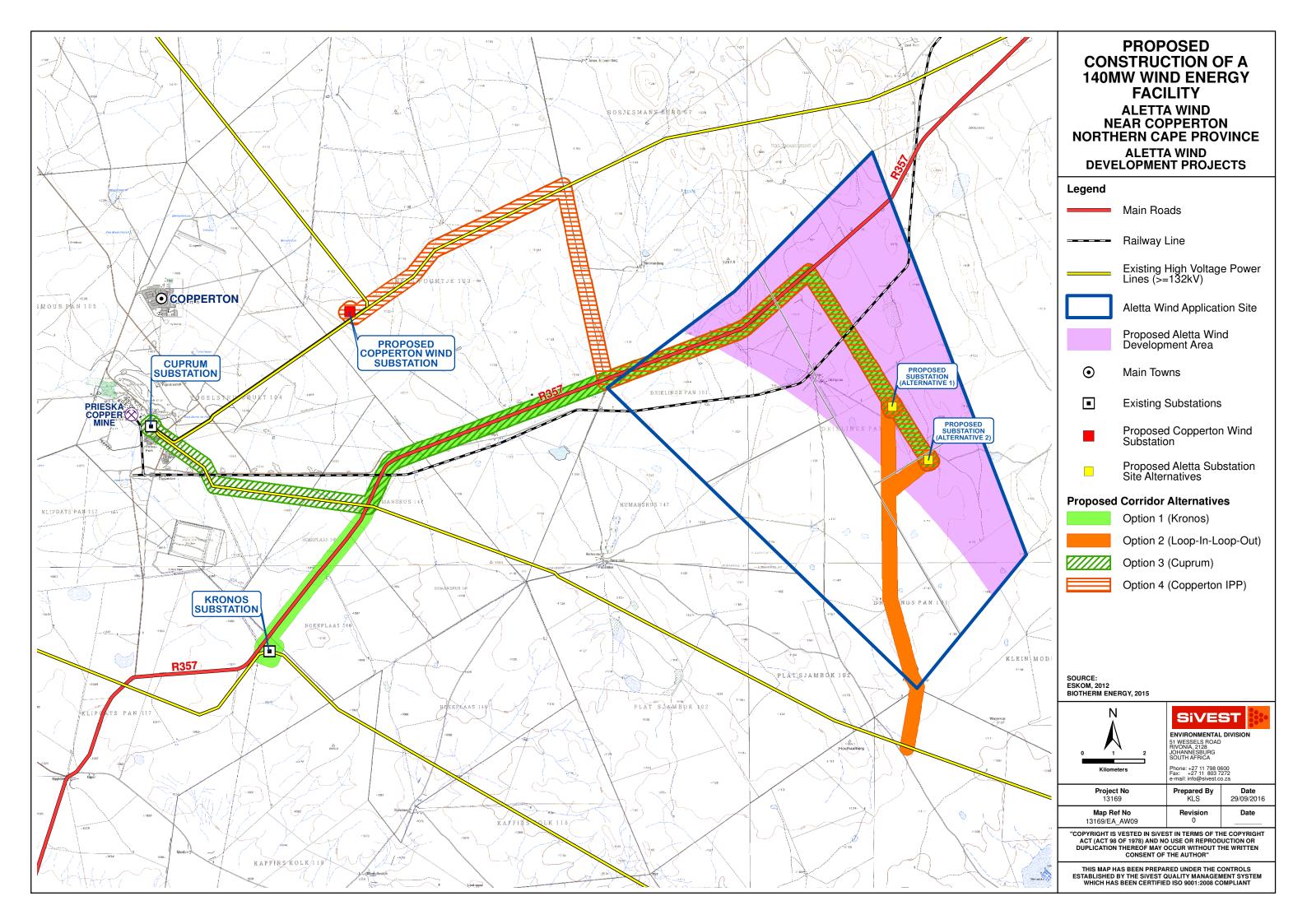


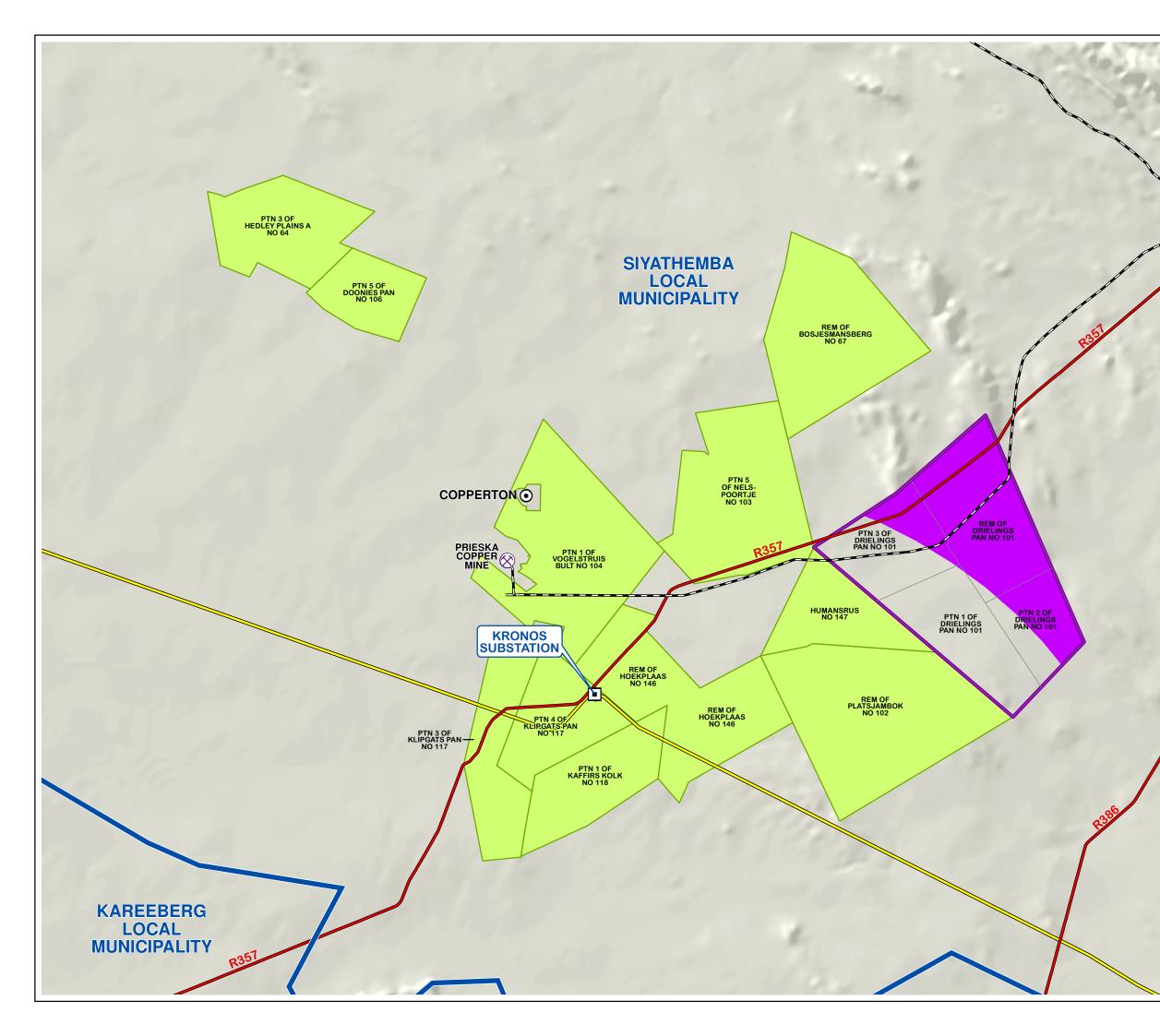


Legend			
	Main Roa	ads	
	Railway	Line	
	Application	on Site	
	Proposed Developr	d Aletta Wir ment Area	ıd
+	Proposeo (60 Turbi	d Turbine P nes)	ositions
	Substatio	on Site Alter	natives
-	O&M Site	e Alternative	es
SOURCE: ESKOM, 2012 BIOTHERM ENEI GOOGLE EARTH			
N	N	SIVES	DIVISION
0 0.5 Kilomete	1 ers	51 WESSELS ROAD RIVONIA, 2128 JOHANNESBURG SOUTH AFRICA Phone: +27 11 798 0 Fax: +27 11 803 7 e-mail: info@sivest.cc	
Project 1316		Prepared By KLS	Date 23/06/2016
Map Re 13169/EA		Revision 0	Date

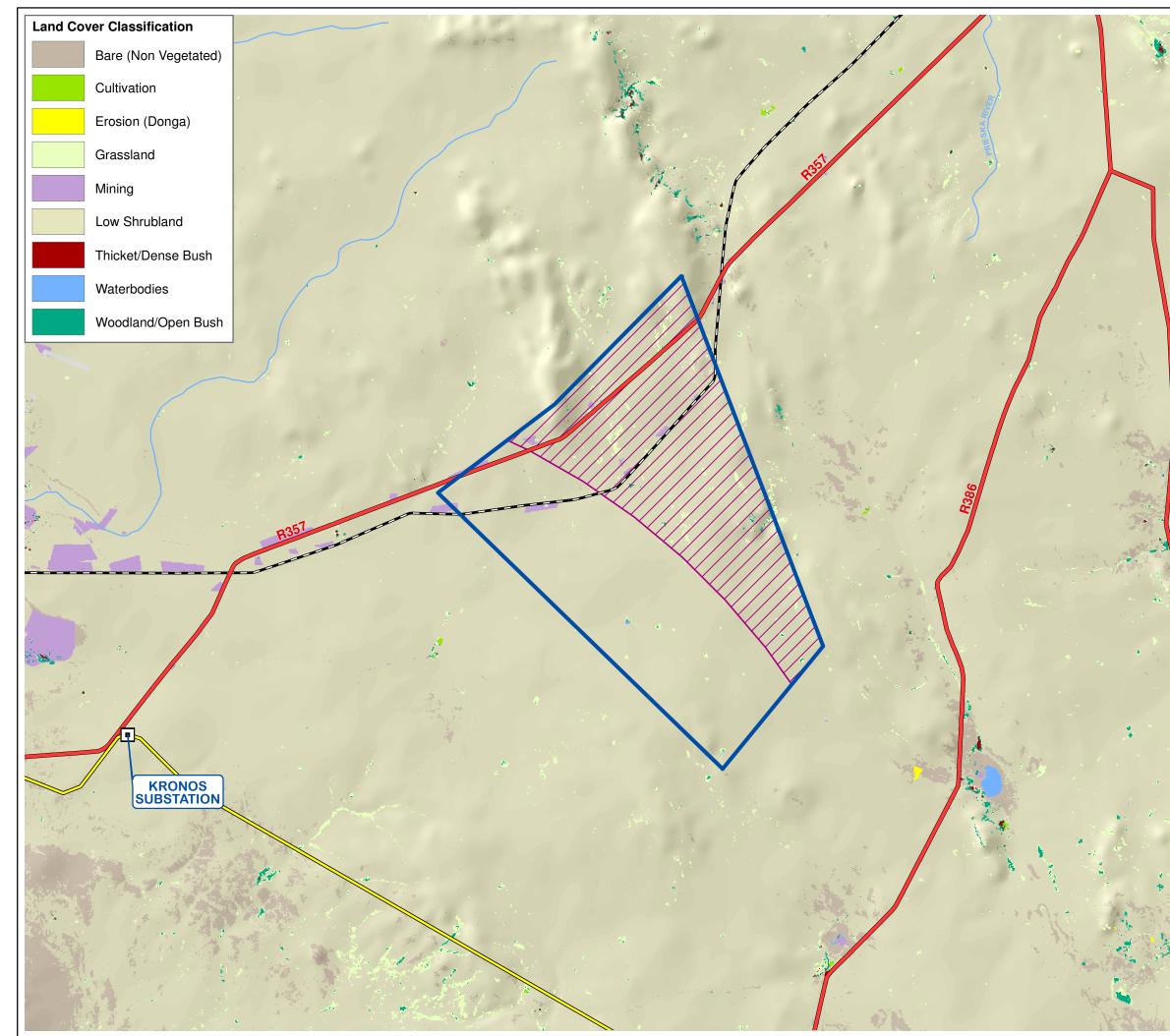
"COPYRIGHT IS VESTED IN SIVEST IN TERMS OF THE COPYRIGHT ACT (ACT 98 OF 1978) AND NO USE OR REPRODUCTION OR DUPLICATION THEREOF MAY OCCUR WITHOUT THE WRITTEN CONSENT OF THE AUTHOR"

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

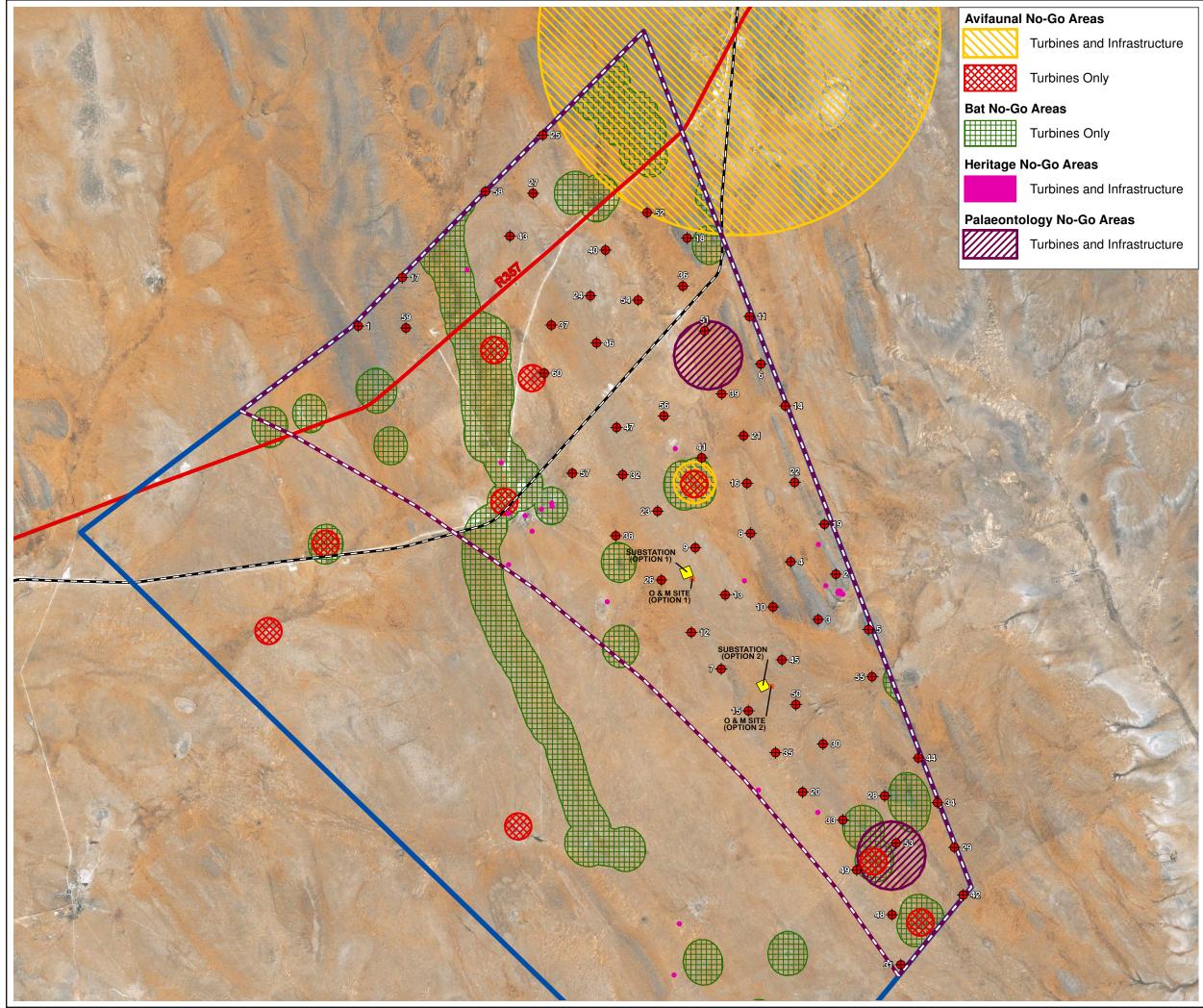




l and a second sec	PROPOSED CONSTRUCTION OF A 140MW WIND ENERGY FACILITY ALETTA WIND NEAR COPPERTON NORTHERN CAPE PROVINCE OTHER PROPOSED RENEWABLE ENERGY DEVELOPMENTS				
a	Legend				
		Local Mu	inicipal Bou	ndaries	
		Main Roa	ads		
	Railway Line				
2	Existing High Voltage Power Lines (400kV)				
3	Main Towns				
9		Kronos MTS Substation			
		Farm Boundaries			
1		Application Site			
		Proposed Aletta Wind Development Area			
		Other Renewable Energy Application Sites			
	SOURCE: BIOTHERM ENE ESKOM, 2012 MUNICIPAL DEN SOUTH AFRICAI EIA APPLICATI	ARCATION BO	ENERGY		
	0 2.5	5	SIVEST ENVIRONMENTAL DIVISION 51 WESSELS ROAD RIVONIA, 2128 JOHANNESBURG SOUTH AFRICA		
	Kilometers Phone: +27 11 798 0600 Fax: +27 11 803 7272 e-mail: info@sivest.co.za				
	Project No Prepared By Date 13169 KLS 07/07/2016 Map Ref No Revision Date				
6	13169/EA	_AW07	1	Date 24/11/2016	
	"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				

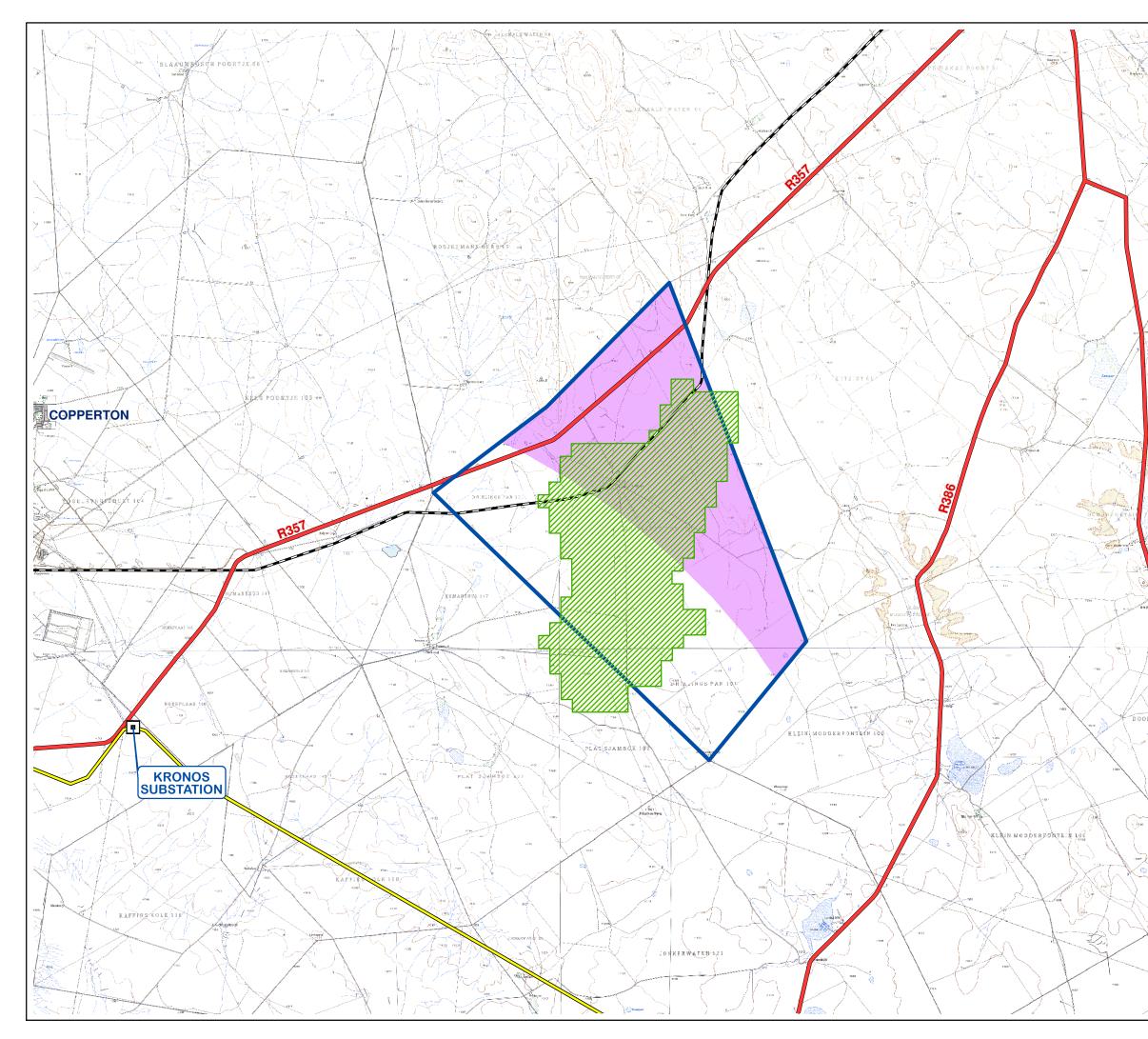


	PROPOSED CONSTRUCTION OF A 140MW WIND ENERGY FACILITY ALETTA WIND NEAR COPPERTON NORTHERN CAPE PROVINCE BROAD LAND COVER CLASSIFICATION			
	Legend			
		Main Roa	ads	
		Railway	Line	
NAUN S		Existing Lines (40	High Voltag)0kV)	e Power
		Main Riv	ers/Water C	Courses
* R403	■	Existing	Substation	
3		Application	on Site	
		Propose Developr	d Aletta Win nent Area	d
	SOURCE: ESKOM, 2012 BIOTHERM ENE 2013-2014 SA N/ (© GEOTERRAI	ATIONAL LAND	COVER	
			SIVEST ENVIRONMENTAL DIVISION 51 WESSELS ROAD RIVONIA, 2128 JOHANNESBURG SOUTH AFRICA	
-	Kilomet		Phone: +27 11 798 06 Fax: +27 11 803 72 e-mail: info@sivest.co	o.za
	Project No 13169		Prepared By KLS	Date 08/07/2016
A ST	Map Ref No 13169/EA_AW06		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"			
S.C.	ESTABLISHED I	BY THE SIVEST (RED UNDER THE C QUALITY MANAGEM D ISO 9001:2008 CC	IENT SYSTEM

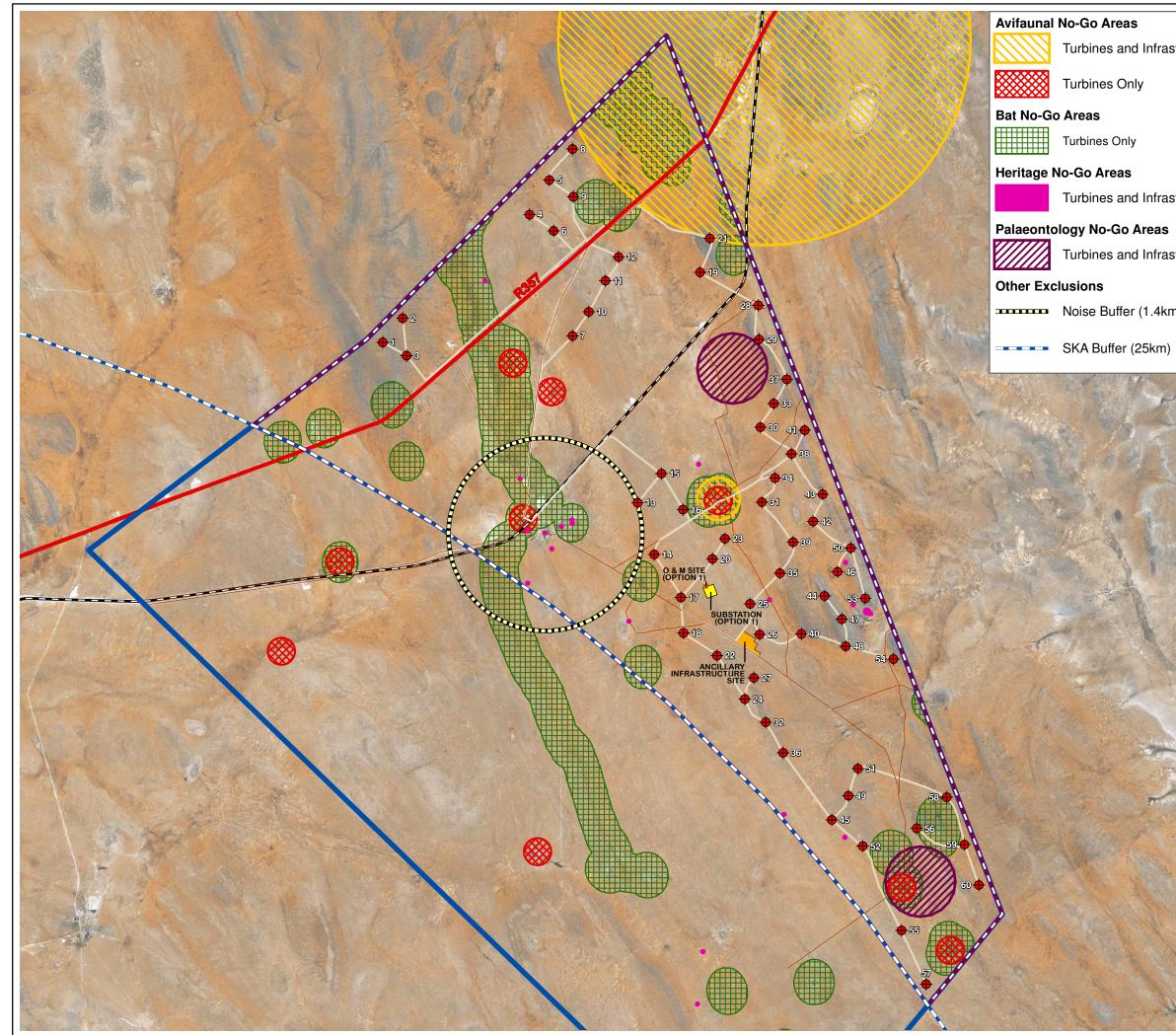


PROPOSED **CONSTRUCTION OF A 140MW WIND ENERGY** FACILITY ALETTA WIND NEAR COPPERTON NORTHERN CAPE PROVINCE 'NO-GO' AREAS Legend Main Roads Railway Line Application Site Proposed Aletta Wind Development Area Proposed Turbine Positions (60 Turbines) Substation Site Alternatives O&M Site Alternatives SOURCE: ESKOM, 2012 BIOTHERM ENERGY, 2016 GOOGLE EARTH, 2015 N SiVEST ENVIRONMENTAL DIVISION 51 WESSELS ROAD RIVONIA, 2128 JOHANNESBURG SOUTH AFRICA 0.5 Phone: +27 11 798 0600 Fax: +27 11 803 7272 Project No 13169 Prepared By KLS Date 10/10/2016 Map Ref No 13169/EA_AW11 Revision Date 0 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"

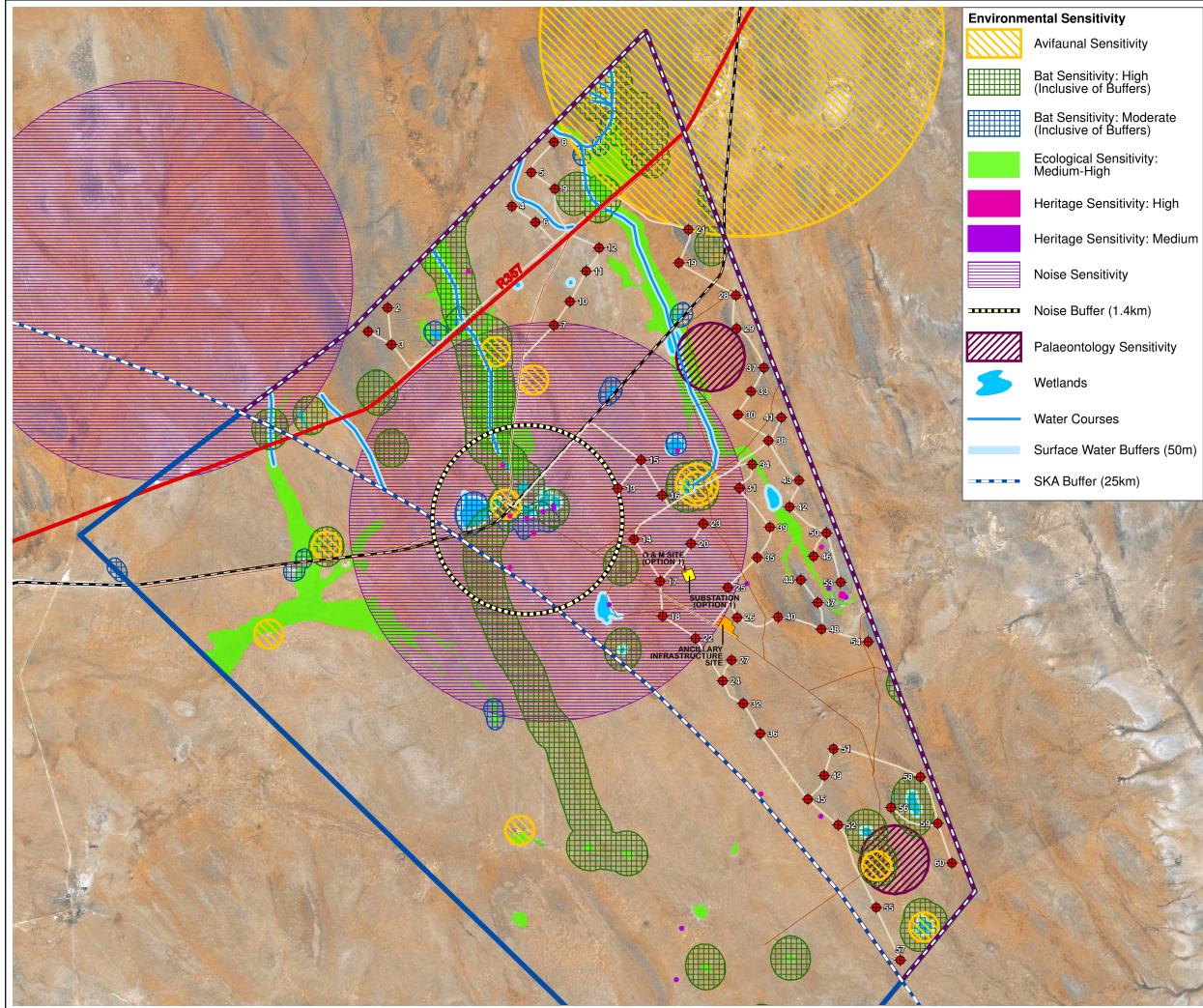
THIS MAP HAS BEEN PREPARED UNDER THE CONTROLS ESTABLISHED BY THE SIVEST QUALITY MANAGEMENT SYSTEM WHICH HAS BEEN CERTIFIED ISO 9001:2008 COMPLIANT



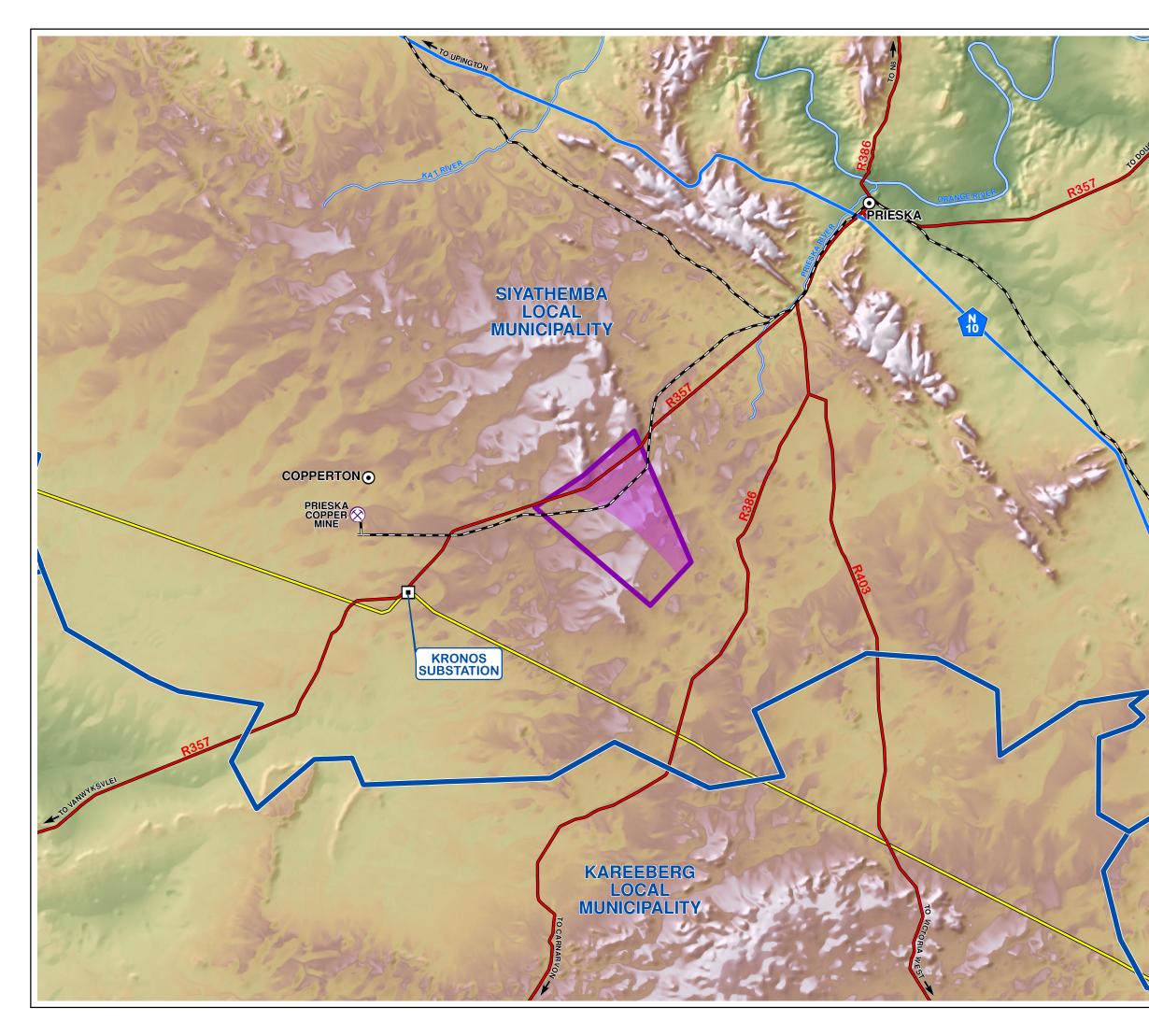




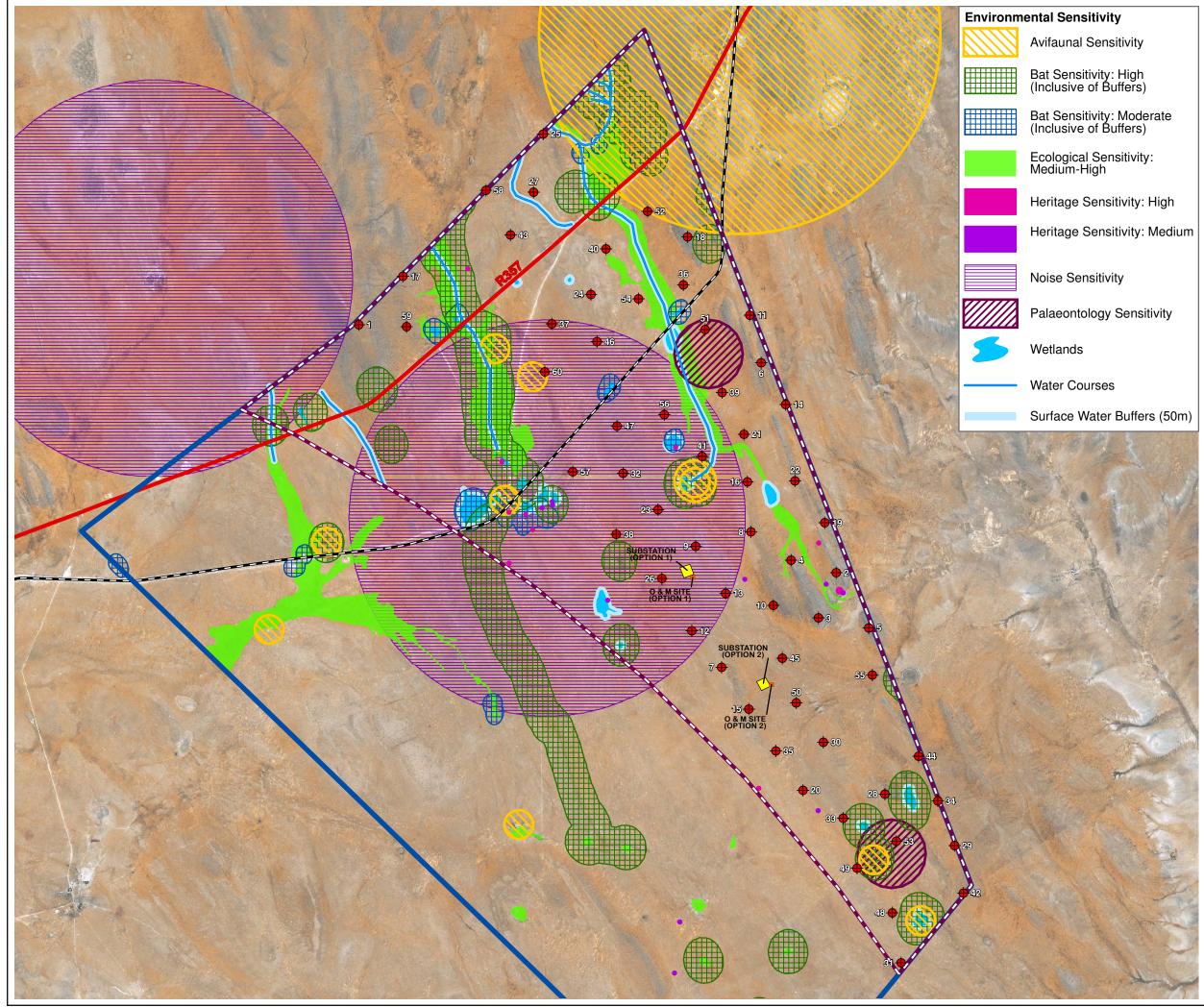
structure	PROPOSED CONSTRUCTION OF A 140MW WIND ENERGY FACILITY ALETTA WIND NEAR COPPERTON NORTHERN CAPE PROVINCE 'NO-GO AREAS' (PREFERRED LAYOUT)				
structure	Legend				
		Main Roa	ads		
structure		Railway I	Line		
n)		Applicatio	on Site		
,		Proposed Developr	d Aletta Wir ment Area	ıd	
	Site Comp	onents			
	+	Preferrec (60 Turbi	d Turbine Po nes)	ositions	
		Preferred	d Substatior	n Site	
	 Preferred O&M Site 				
X	-	Ancillary	Infrastructu	ire Site*	
	Existing Site Roads/Tracks				
45	Proposed Internal Access Roads				
	*Site to accommodate: Batching Plant Concrete Tower Laydown Construction Camp Laydown Staging Area SOURCE: ESKOM, 2012 BIOTHERM ENERGY, 2016 GOOGLE EARTH, 2015				
	Ņ		SiVE	ST 🜼	
	ENVIRONM 51 WESSELS BIVONIA.212		ENVIRONMENTAL 51 WESSELS ROAD RIVONIA, 2128	IMENTAL DIVISION	
North Contraction	0 0.5 1 JOHANNÉSBURG SOUTH AFRICA Kilometers Phone: +27 11 803 7272				
	Project No		e-mail: info@sivest.c	Date	
- The	13169 Map Ref No		KLS Revision	27/10/2016 Date	
	13169/EA_AW13 0 "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				
Ly-	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 A 140MW WIND ENERGY FACILITY ALETTA WIND NEAR COPPERTON NORTHERN CAPE PROVINCE ENVIRONMENTAL SENSITIVITY (PREFERRED LAYOUT)				
Legend				
	Main Roa	ads		
	Railway	Line		
	Application	on Site		
	Propose Developr	d Aletta Win nent Area	ıd	
Site Com	oonents			
•	Preferreo (60 Turbi	d Turbine Po nes)	ositions	
	Preferred	d Substatior	n Site	
•	Preferred O&M Site			
-	Ancillary Infrastructure Site*			
	Existing Site Roads/Tracks			
	Proposed Internal Access Roads			
*Site to accommodate: Batching Plant Concrete Tower Laydown Construction Camp Laydown Staging Area SOURCE: ESKOM, 2012 BIOTHERM ENERGY, 2016 GOOGLE EARTH, 2015				
0 0.5 1 UPAN CONTRACT DIVISION 51 WESSELS ROAD RIVONIA, 2128 JOHANNESBURG				
SOUTH AFRICA Kilometers Phone: +27 11 798 0600 Fax: +27 11 8/03 7272				
e-mail: info@sivest.co.za				
Map Ref No Revision Date 13169/EA AW12 0				
"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				



it AS T	PROPOSED CONSTRUCTION OF A 140MW WIND ENERGY FACILITY ALETTA WIND NEAR COPPERTON NORTHERN CAPE PROVINCE				
213	RE	EGIONAL	CONTEX	Т	
12	Legend				
		Local Mu	inicipal Bou	ndaries	
		National	Route (N10))	
-3		Main Roa	ads		
1 and		Railway	Line		
0		Existing High Voltage Power Lines (400kV)			
Nie -		Main Riv	ers		
	\odot	Main Tov	vns		
-y/d	∎	Kronos MTS Substation			
		Application Site			
TO MIDDEL		Proposed Aletta Wind Development Area			
und -					
5					
	SOURCE: BIOTHERM ENE ESKOM, 2012 MUNICIPAL DEN NFEPA, 2011 NGI, 2014		ARD, 2011		
	Ņ		SiVE	ST 🔛	
in L	0 3 6 Kilometers		ENVIRONMENTAL 51 WESSELS ROAD RIVONIA, 2128 JOHANNESBURG SOUTH AFRICA	DIVISION	
- 10-1			Phone: +27 11 798 0 Fax: +27 11 803 7 e-mail: info@sivest.c	o.za	
- (2)	Project No 13169		Prepared By KLS	Date 06/07/2016	
	Map Ref No 13169/EA_AW02		Revision 0	Date	
1.	"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"				
	ESTABLISHED	BY THE SIVEST O	RED UNDER THE C QUALITY MANAGEM D ISO 9001:2008 CC	IENT SYSTEM	



PROPOSED **CONSTRUCTION OF A 140MW WIND ENERGY** FACILITY **ALETTA WIND NEAR COPPERTON** NORTHERN CAPE PROVINCE **ENVIRONMENTAL SENSITIVITY** Legend

Main Roads

Railway Line ____

Application Site

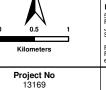
Proposed Aletta Wind Development Area

Proposed Turbine Positions (60 Turbines)

Substation Site Alternatives

O&M Site Alternatives

SOURCE: ESKOM, 2012 BIOTHERM ENERGY, 2016 GOOGLE EARTH, 2015 N



SiVEST ENVIRONMENTAL DIVISION 51 WESSELS ROAD RIVONIA, 2128 JOHANNESBURG SOUTH AFRICA Phone: +27 11 798 0600 Fax: +27 11 803 7272

Prepared By KLS Date 10/10/2016

Map Ref No 13169/EA_AW10 Revision 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

