

POTENTIAL ENVIRONMENTAL IMPACT	ENVIRONMENTAL SIGNIFICANCE BEFORE MITIGATION							ENVIRONMENTAL SIGNIFICANCE AFTER MITIGATION							Project Phase	Responsibility
	Se	Sp	Du	Fa	Fi	TOTAL	SRK Guideline	Se	Sp	Du	Fa	Fi	TOTAL	SRK Guideline		
Vegetation removal due to site clearance, compaction and soil erosion and the introduction of alien invasive species can impact on habitat for floral species as well as species diversity on the proposed substation site (Old fields).	1	1	1	2	2	12	L No Management Required	1	1	1	2	2	12	L No Management Required	C	
<b>RECOMMENDED MITIGATION MEASURES/REMARKS</b>																
Compliance in accordance with Eskom's existing Land and Biodiversity Standard (Appendix C) as well as Eskoms Vegetation Management Standard (Appendix C) shall be maintained and monitored on an annual basis.																
The protection of threatened or protected species (TOPS) must be carried out in accordance to NEMBA (Act 10 of 2004) Chapter 4, Part 2. This will include any amendments or changes to regulations and guidelines pertaining to the protection of TOPS.																
The extent of the construction site must be demarcated with construction hazard tape and no vegetation is to be removed outside of this zone.																
No vegetation is to be removed outside of the demarcated zones. This will prevent disturbance of natural vegetation and the establishment of alien and invader vegetation species specified by GNR 507 and 508 or any amendments to the legislation.																
An alien eradication and management program must be developed. Eradication and monitoring must be undertaken monthly during the construction phase and yearly during the operational phase.																
If herbicides need to be used to control the spread of invasive plants, only herbicides approved by the National Department of Agriculture should be used.																
Vehicles should be restricted to travelling only on designated roadways, as far away from the wetland areas as possible to limit the ecological footprint of the proposed development activities.																
Informal fires by construction or Eskom personnel during any phase of the project will be prohibited.																
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Vegetation removal due to site clearance may lead to the disturbance of faunal habitat and the ecosystem structure and function.	1	1	4	1	1	12	L No Management Required	1	1	4	1	1	12	L No Management Required	C	
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The protection of threatened or protected species (TOPS) must be carried out in accordance to NEMBA (Act 10 of 2004) Chapter 4, Part 2. This will include any amendments or changes to regulations and guidelines pertaining to the protection of TOPS.															All	ECO
Fires on site are prohibited.															All	ECO
No trapping or hunting of fauna should be allowed on site during any phase of the project.															All	ECO
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Construction activities along the power line route and positioning of the pylons may lead to clearance of vegetation which could result in the loss and degradation of natural bird habitat	2	1	2	6	2	40	MH Maintain Current Management	1	1	2	2	2	16	L No Management Required	C	
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The extent of the construction site must be demarcated and no vegetation is to be removed outside of this zone.															All	
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Degradation of habitat and disturbance caused by the construction of the proposed substation and associated powerlines could negatively impact on species of conservation concern (RDL/ NW SoER 2002/ NEMBA (2004))	2	1	2	6	2	40	MH Maintain Current Management	2	1	2	2	2	20	L No Management Required	C	
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River banks and other ecologically sensitive areas must be rehabilitated, in consultation with a specialist, were they have been damaged once construction in that particular area is complete.															All	
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Degradation of habitat and disturbance caused during the operation of the proposed substation and associated powerlines due to collisions or electricity could negatively impact on bird species of conservation concern (RDL/ NW SoER 2002/ NEMBA (2004))	4	1	4	5	5	90	H Improve Current Management	3	3	1	2	2	28	ML Maintain Current Management	O	
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Install bird flaps and diverters on the erected power lines to help mitigate the bird collisions with the power lines															All	