

## Appendix F

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# Impact Assessment

for Final Basic Assessment

# Multi-Purpose Lifestyle Complex - Postmasburg

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**KUMBA IRON ORE**

**ENDEMIC  
VISION**

ENVIRONMENTAL SERVICES<sup>SM</sup>  
*Responsible. Transferable. Sustainable.*





Element	Impact Description	Discussion	Cumulation Description	Cumulative Impact Scale	Cumulative Impact Probability	Cumulative Impact Scale2	Cumulative Impact Probability2	Cumulation RISK Significance
Flora	Loss of protected plant specimens	The loss of a protected species will be lost with a high probability that species will be replaced on site as part of the landscaping design.	Cumulative tree specimen loss is a significant concern, especially with development expansions in prime distribution range of these species. Urban open space quality is increasingly deteriorated where these specimens are not part of the urban context.	Site	Highly Probable	1	4	40
Flora	Loss of topsoil	Topsoil must be stored on a previously disturbed area, retained and maintained with organic material for landscaping across the municipality.	Cumulative soil functionality depletion is directly related to the topsoil management on site. Through mitigation, this should not be a cumulative risk	Site	Probable	1	2	28
Infrastructure	Changes in soil functionality: loss of topsoil	Topsoil must be stored on a previously disturbed area, retained and maintained with organic material for landscaping across the municipality.	Cumulative soil functionality depletion is directly related to the topsoil management on site. Through mitigation, this should not be a cumulative risk	Site	Probable	1	2	28
Infrastructure	Impact on traffic and transport networks	Infrastructure impacts will occur to allow vehicle traffic to the site. No new roads or access areas are created, and existing infrastructure will be used more frequently. The site is also not linking directly to any highway or key traffic lanes.	Cumulative impacts from traffic is definite with general population increase and the community use of the facilities.	Site	Probable	1	2	16
Land use	Generation and cumulation of waste	Without a municipal integrated waste management strategy to reallocate; re-use or recycle construction waste, cumulation of waste from this project is definite.	Cumulative impact on land use because of waste generation is definite and can only be addressed through strategic municipal wide measures.	Local	Highly Probable	2	4	52
Air	Changes in air quality - dust	Dust will occur and is more a construction, human nuisance issue than ecological impact on site.				FALSE	FALSE	0
Infrastructure	Changes to municipal service delivery	<b>The current available nature areas, lifestyle quality, environmentally healthy and recreationally stimulating areas in Postmasburg is very limiting, affecting the quality of life of all residents. This development will have a significant positive impact in the community.</b>	<b>Cumulative positive impacts could develop where other green areas use the screening process and procedures of this project to enhance other areas.</b>	Site	Probable	1	2	28

