

Appendix N (b): Integrated Sensitivity Analysis

Table 11: Ecological Sensitivity Analysis of available habitat units within the study area								
Criteria	RD protected species suitability &	Landscape sensitivity	Status/ Ecological quality	Species composition	Ecological functionality	TOTAL	SENSITIVITY INDEX	SENSITIVITY CLASS
Community	Criteria Ranking							
Primary woodland	6	4	5	6	8	156	53.79%	MEDIUM
Secondary woodland	6	3	2	3	5	113	38.97%	MEDIUM-LOW
Non-perennial stream	6	5	5	6	8	163	56.21%	MEDIUM

Aspects that affect the ecological sensitivity status of the habitat units positively include the confirmed presence of protected tree species the medium floristic and faunal status of the study area and adequate connectivity to areas of adjacent natural habitat (low fragmentation factor).

Aspects that affect the sensitivity status of the habitat units negatively include medium-low likelihood of encountering red data flora and fauna species, degraded status of some parts, the absence of formal management plans, relative poor species composition and adequate representation in the regional setting.

The entire area is considered to be of relative low ecological sensitivity and the proposed development is not perceived as a potential threat to any ecological significant attribute.

Results from this analysis therefore verify results obtained from the Impact Evaluation.