

Mogalakwena Mini Scheme - Basic Assessment Report & Water Use License Application

Specialist Study: Ecology

Significance Rating Table

Cumulative Impacts

Potential Impact	Mitigation	Extent (E)	Duration (D)	Magnitude (M)	Probability (P)	Significance (S=(E+D+M)*P)		Status (+ve or -ve)	Confidence
5.5 Human - Animal conflicts	Nature of impact:	Conflicts in the region.							
	without	2	1	4	3	21	Low		High
	with	2	1	2	3	15	Low		High
	degree to which impact can be reversed:	No viable option of reversal.							
	degree of impact on irreplaceable resources:	Low.							
	degree to which impact can be avoided, managed or mitigated:	Can be mitigated by adherence to mitigation measures.							
	Suitable Measures to avoid, manage or mitigated identified impacts	Operations only between 7am and 4 pm. No killing of animals on the site.							
5.6 Impacts on SA's conservation obligations & targets	Nature of impact:	Regional developments.							
	without	3	1	4	2	16	Low		High
	with	3	1	2	2	12	Low		High
	degree to which impact can be reversed:	No viable option of reversal.							
	degree of impact on irreplaceable resources:	Moderate.							
degree to which impact can be avoided, managed or mitigated:	Can be mitigated by adherence to mitigation measures.								

	Suitable Measures to avoid, manage or mitigated identified impacts	Stick to construction footprint. No unauthorised removal of threatened or protected vegetation.						
5.7 Increase in local and regional fragmentation/ isolation of habitat	Nature of impact:	Regional developments.						
	without	3	1	4	2	16	Low	High
	with	3	1	2	2	12	Low	High
	degree to which impact can be reversed:	Can be fully reversed.						
	degree of impact on irreplaceable resources:	Moderate.						
	degree to which impact can be avoided, managed or mitigated:	Can be mitigated by adherence to mitigation measures.						
	Suitable Measures to avoid, manage or mitigated identified impacts	Stick to construction footprint. Proper rehabilitation of pipeline route once backfilled.						
5.8 Cumulative Increase in Environmental Degradation, Pollution	Nature of impact:	Regional developments.						
	without	3	1	4	2	16	Low	High
	with	3	1	2	2	12	Low	High
	degree to which impact can be reversed:	Can be fully reversed.						
	degree of impact on irreplaceable resources:	Moderate.						
	degree to which impact can be avoided, managed or mitigated:	Can be mitigated by adherence to mitigation measures.						
	Suitable Measures to avoid, manage or mitigated identified impacts	Stick to construction footprint. Proper rehabilitation of pipeline route once backfilled.						
Mogalakwena Mini Scheme - No-Go								
Potential Impact	Mitigation	Extent (E)	Duration (D)	Magnitude (M)	Probability (P)	Significance (S=(E+D+M)*P)	Status (+ve or -ve)	Confidence
	Nature of impact:	No Impact						
	without							High
	with							High

	degree to which impact can be reversed:		
	degree of impact on irreplaceable resources:		
	degree to which impact can be avoided, managed or mitigated:		
	Suitable Measures to avoid, manage or mitigated identified impacts		