

Kalabasfontein Project-Impact Significance Ratings-Geohydrology

Impact	IMPACT DESCRIPTION		PRE - MITIGATION						POST - MITIGATION						IMPACT PRIORITISATION							
	Alternative	Phase	Nature	Extent	Duration	Magnitude	Reversibility	Probability	Pre-mitigation ER	Nature	Extent	Duration	Magnitude	Reversibility	Probability	Post-mitigation ER	Confidence	Public response	Cumulative Impact	Irreplaceable loss	Priority Factor	Final score
Displacement of Faunal Species due to noise and vibrations	Alternative 3	Construction	-1	2	4	2	2	3	-7.5	-1	2	4	1	2	2	-4.5	Medium	1	1	1	1.00	-4.50
Damage to property and infrastructure due to blasting	Alternative 3	Construction	-1	2	4	2	2	3	-7.5	-1	2	4	1	2	2	-4.5	Medium	1	1	1	1.00	-4.50
Safety risk as a result of fly rock	Alternative 3	Construction	-1	2	4	2	2	3	-7.5	-1	2	4	1	2	2	-4.5	Medium	1	1	1	1.00	-4.50
Displacement of Faunal Species due to noise and vibrations	Alternative 3	Operation	-1	2	4	2	2	3	-7.5	-1	2	4	1	2	2	-4.5	Medium	1	1	1	1.00	-4.50
Damage to property and infrastructure due to blasting	Alternative 3	Operation	-1	2	4	2	2	3	-7.5	-1	2	4	1	2	2	-4.5	Medium	1	1	1	1.00	-4.50
Safety risk as a result of fly rock	Alternative 3	Operation	-1	2	4	2	2	3	-7.5	-1	2	4	1	2	2	-4.5	Medium	1	1	1	1.00	-4.50
Displacement of Faunal Species due to noise and vibrations	Alternative 3	Decommissioning	-1	2	4	1	2	3	-6.75	-1	2	4	1	2	2	-4.5	Medium	1	1	1	1.00	-4.50
Damage to property and infrastructure due to blasting	Alternative 3	Decommissioning	-1	2	4	1	2	3	-6.75	-1	2	4	1	2	2	-4.5	Medium	1	1	1	1.00	-4.50
Safety risk as a result of fly rock	Alternative 3	Decommissioning	-1	2	4	1	2	3	-6.75	-1	2	4	1	2	2	-4.5	Medium	1	1	1	1.00	-4.50
Displacement of Faunal Species due to noise and vibrations	Alternative 2	Construction	-1	2	4	2	2	3	-7.5	-1	2	4	2	2	2	-5	Medium	1	1	1	1.00	-5.00
Damage to property and infrastructure due to blasting	Alternative 2	Construction	-1	2	4	2	2	3	-7.5	-1	2	4	2	2	2	-5	Medium	1	1	1	1.00	-5.00
Safety risk as a result of fly rock	Alternative 2	Construction	-1	2	4	2	2	3	-7.5	-1	2	4	2	2	2	-5	Medium	1	1	1	1.00	-5.00
Displacement of Faunal Species due to noise and vibrations	Alternative 2	Operation	-1	2	4	2	2	3	-7.5	-1	2	4	2	2	2	-5	Medium	1	1	1	1.00	-5.00
Damage to property and infrastructure due to blasting	Alternative 2	Operation	-1	2	4	2	2	3	-7.5	-1	2	4	2	2	2	-5	Medium	1	1	1	1.00	-5.00
Safety risk as a result of fly rock	Alternative 2	Operation	-1	2	4	2	2	3	-7.5	-1	2	4	2	2	2	-5	Medium	1	1	1	1.00	-5.00
Displacement of Faunal Species due to noise and vibrations	Alternative 2	Decommissioning	-1	2	4	1	2	3	-6.75	-1	2	4	1	2	2	-4.5	Medium	1	1	1	1.00	-4.50
Damage to property and infrastructure due to blasting	Alternative 2	Decommissioning	-1	2	4	1	2	3	-6.75	-1	2	4	1	2	2	-4.5	Medium	1	1	1	1.00	-4.50
Safety risk as a result of fly rock	Alternative 2	Decommissioning	-1	2	4	1	2	3	-6.75	-1	2	4	1	2	2	-4.5	Medium	1	1	1	1.00	-4.50
Displacement of Faunal Species due to noise and vibrations	Alternative 1	Construction	-1	1	1	1	1	1	0	-1	1	1	1	1	1	0	Medium	1	1	1	1.00	0.00
Damage to property and infrastructure due to blasting	Alternative 1	Construction	-1	1	1	1	1	1	0	-1	1	1	1	1	1	0	Medium	1	1	1	1.00	0.00
Safety risk as a result of fly rock	Alternative 1	Construction	-1	1	1	1	1	1	0	-1	1	1	1	1	1	0	Medium	1	1	1	1.00	0.00
Displacement of Faunal Species due to noise and vibrations	Alternative 1	Operation	-1	1	1	1	1	1	0	-1	1	1	1	1	1	0	Medium	1	1	1	1.00	0.00
Damage to property and infrastructure due to blasting	Alternative 1	Operation	-1	1	1	1	1	1	0	-1	1	1	1	1	1	0	Medium	1	1	1	1.00	0.00
Safety risk as a result of fly rock	Alternative 1	Operation	-1	1	1	1	1	1	0	-1	1	1	1	1	1	0	Medium	1	1	1	1.00	0.00
Displacement of Faunal Species due to noise and vibrations	Alternative 1	Decommissioning	-1	1	1	1	1	1	0	-1	1	1	1	1	1	0	Medium	1	1	1	1.00	0.00
Damage to property and infrastructure due to blasting	Alternative 1	Decommissioning	-1	1	1	1	1	1	0	-1	1	1	1	1	1	0	Medium	1	1	1	1.00	0.00
Safety risk as a result of fly rock	Alternative 1	Decommissioning	-1	1	1	1	1	1	0	-1	1	1	1	1	1	0	Medium	1	1	1	1.00	0.00