

Kalabasfontein Project-Cumulative Impact Significance Rating

IMPACT DESCRIPTION			PRE - MITIGATION							POST - MITIGATION							IMPACT PRIORITISATION					
Impact	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
Contribution to losses of potentially productive agricultural land	Alternative 2	Rehab and closure	-1	1	5	2	3	2	-5,5	-1	1	4	2	2	2	-4,5	Medium	1	2	1	1,17	-5,25
Air quality impacts	Alternative 2	Rehab and closure	-1	1	5	2	3	2	-5,5	-1	1	4	2	3	2	-5	Medium	1	2	1	1,17	-5,83
Reduction in surface water quality	Alternative 2	Rehab and closure	-1	1	5	2	3	2	-5,5	-1	1	4	2	3	2	-5	Medium	1	2	1	1,17	-5,83
Increase in traffic	Alternative 2	Rehab and closure	-1	1	5	2	3	2	-5,5	-1	1	4	2	2	2	-4,5	Medium	1	2	1	1,17	-5,25
Disturbance of fauna	Alternative 2	Rehab and closure	-1	1	5	2	3	2	-5,5	-1	1	4	2	2	2	-4,5	Medium	1	2	1	1,17	-5,25
Invasion of alien plant species	Alternative 2	Rehab and closure	-1	1	5	2	2	2	-5	-1	1	4	2	2	2	-4,5	Medium	1	2	1	1,17	-5,25
Noise	Alternative 2	Rehab and closure	-1	1	5	2	2	2	-5	-1	1	4	2	2	2	-4,5	Medium	1	2	1	1,17	-5,25
Disturbance, damage or destruction of heritage features	Alternative 2	Rehab and closure	-1	1	5	2	3	2	-5,5	-1	1	4	2	2	2	-4,5	Medium	1	2	1	1,17	-5,25
Increased vulnerability and community safety-related risks and impacts	Alternative 2	Rehab and closure	-1	1	5	2	2	2	-5	-1	1	4	2	2	2	-4,5	Medium	1	2	1	1,17	-5,25
Localised areas of acid mine drainage and groundwater contamination	Alternative 2	Rehab and closure	-1	1	5	2	3	2	-5,5	-1	1	4	2	3	2	-5	Medium	1	2	1	1,17	-5,83
Contribution to losses of potentially productive agricultural land	Alternative 3	Rehab and closure	-1	1	5	2	3	2	-5,5	-1	1	4	2	2	2	-4,5	Medium	1	2	1	1,17	-5,25
Air quality impacts	Alternative 3	Rehab and closure	-1	1	5	2	3	2	-5,5	-1	1	4	2	2	2	-4,5	Medium	1	2	1	1,17	-5,25
Reduction in surface water quality	Alternative 3	Rehab and closure	-1	1	5	2	3	2	-5,5	-1	1	4	2	2	2	-4,5	Medium	1	2	1	1,17	-5,25
Increase in traffic	Alternative 3	Rehab and closure	-1	1	5	2	2	2	-5	-1	1	4	2	3	2	-5	Medium	1	2	1	1,17	-5,83
Disturbance of fauna	Alternative 3	Rehab and closure	-1	1	5	2	2	2	-5	-1	1	4	2	2	2	-4,5	Medium	1	2	1	1,17	-5,25
Invasion of alien plant species	Alternative 3	Rehab and closure	-1	1	5	2	2	2	-5	-1	1	4	2	2	2	-4,5	Medium	1	2	1	1,17	-5,25
Noise	Alternative 3	Rehab and closure	-1	1	5	2	2	2	-5	-1	1	4	2	2	2	-4,5	Medium	1	2	1	1,17	-5,25
Disturbance, damage or destruction of heritage features	Alternative 3	Rehab and closure	-1	1	5	2	2	2	-5	-1	1	4	2	2	2	-4,5	Medium	1	2	1	1,17	-5,25
Increased vulnerability and community safety-related risks and impacts	Alternative 3	Rehab and closure	-1	1	5	2	2	2	-5	-1	1	4	2	2	2	-4,5	Medium	1	2	1	1,17	-5,25
Localised areas of acid mine drainage and groundwater contamination	Alternative 3	Rehab and closure	-1	1	5	2	3	2	-5,5	-1	1	4	2	3	2	-5	Medium	1	2	1	1,17	-5,83