



Identifier	Aspect	Impact	Alternative	Phase	Event	Pre-Nature	Pre-Extent	Pre-Duration	Pre-Magnitude	Pre-Reversibility	Consequence	Pre-Probability	Pre-Mitigation Significance Score	Pre-Mitigation Significance	Post-Nature	Post-Extent	Post-Duration	Post-Magnitude	Post-Reversibility	Post- Consequence	Post-Probability	Post-mitigation Significance Score	Post-Mitigation Significance	Confidence	Cumulative Impact	Irreplaceable loss	Priority Factor	Final score
1	Air Quality	Air pollution as a result from dust generation activities and gaseous emissions from vehicles and equipment.	Proposed Project	Construction	Normal operations or events	-1	2	1	3	2	-2	5	-10	Medium to high -	-1	1	1	2	2	-1,5	5	-7,5	Medium to low -	High	1	1	1,00	-7,50
2	Air Quality	Air pollution as a result from dust generation activities (i.e. blasting, hauling, crushing, and stockpiling).	Proposed Project	Operation	Normal operations or events	-1	2	3	3	3	-2,75	5	-13,75	Medium to high -	-1	1	3	1	2	-1,75	5	-8,75	Medium to high -	High	2	2	1,25	-10,94
3	Air Quality	Air Quality as a result from gaseous emissions from vehicles and equipment	Proposed Project	Operation	Normal operations or events	-1	2	1	3	2	-2	5	-10	Medium to high -	-1	1	1	2	2	-1,5	5	-7,5	Medium to low -	High	2	1	1,13	-8,44
4	Noise & Vibration	Increased noise and vibrations from earth-moving equipment affecting nearby communities and wildlife.	Proposed Project	Construction	Normal operations or events	-1	3	2	3	1	-2,25	4	-9	Medium to high -	-1	3	2	2	1	-2	2	-4	Low -	Medium	1	1	1,00	-4,00
5	Noise & Vibration	Continuous low-frequency noise affecting local settlements and livestock.	Proposed Project	Operation	Normal operations or events	-1	3	4	3	1	-2,75	4	-11	Medium to high -	-1	3	4	2	1	-2,5	2	-5	Medium to low -	Medium	2	1	1,13	-5,63
6	Noise & Vibration	Regular blasting leading to structural damage in nearby properties and disturbance to communities.	Proposed Project	Operation	Normal operations or events	-1	3	4	3	3	-3,25	4	-13	Medium to high -	-1	3	4	2	2	-2,75	2	-5,5	Medium to low -	Medium	2	1	1,13	-6,19
7	Biodiversity & Habitat Loss	Destruction, loss and fragmentation of the vegetation community and potential Species of Conservation Concern.	Proposed Project	Construction	Normal operations or events	-1	2	5	4	3	-3,5	5	-17,5	High -	-1	2	4	4	2	-3	2	-6	Medium to low -	High	1	2	1,13	-6,75
8	Biodiversity & Habitat Loss	Displacement of faunal community due to habitat loss, direct mortalities and disturbance (road collisions, noise, light, dust, vibration and poaching) and potential loss of Species of Conservation Concern.	Proposed Project	Construction	Normal operations or events	-1	2	4	4	3	-3,25	4	-13	Medium to high -	-1	2	4	3	3	-3	2	-6	Medium to low -	High	2	2	1,25	-7,50
9	Soil & Land Disturbance	Clearing of vegetation leading to soil erosion and loss of topsoil.	Proposed Project	Construction	Normal operations or events	-1	2	5	4	3	-3,5	4	-14	High -	-1	1	4	4	2	-2,75	3	-8,25	Medium to low -	High	2	1	1,13	-9,28
10	Soil & Land Disturbance	Increased risk of contamination (soil and water resource) from fuel spills, construction waste, and hazardous materials.	Proposed Project	Construction	Normal operations or events	-1	2	4	3	3	-3	4	-12	Medium to high -	-1	2	4	2	2	-2,5	2	-5	Medium to low -	High	2	2	1,25	-6,25
11	Biodiversity & Habitat Loss	Introduction of alien species, especially plants.	Proposed Project	Construction	Normal operations or events	-1	2	5	3	3	-3,25	4	-13	Medium to high -	-1	1	2	2	2	-1,75	2	-3,5	Low -	High	2	1	1,13	-3,94
12	Biodiversity & Ecological Impacts	Ongoing habitat destruction and disturbance to fauna from noise, dust, and artificial lighting.	Proposed Project	Operation	Normal operations or events	-1	2	4	4	3	-3,25	4	-13	Medium to high -	-1	2	4	2	3	-2,75	3	-8,25	Medium to low -	High	2	1	1,13	-9,28
13	Biodiversity & Ecological Impacts	Increased human-wildlife conflicts due to habitat fragmentation (litter, pollution, road mortalities, poaching, etc.).	Proposed Project	Operation	Normal operations or events	-1	2	4	3	3	-3	4	-12	Medium to high -	-1	2	4	2	2	-2,5	2	-5	Medium to low -	High	2	1	1,13	-5,63
14	Biodiversity & Ecological Impacts	Environmental pollution due to water/ mine drainage runoff.	Proposed Project	Operation	Normal operations or events	-1	3	4	3	3	-3,25	4	-13	Medium to high -	-1	2	4	2	2	-2,5	2	-5	Medium to low -	High	2	2	1,25	-6,25
15	Land & Soil Degradation	Continuous stripping of topsoil for opencast mining, leading to ongoing land degradation, including erosion	Proposed Project	Operation	Normal operations or events	-1	2	4	4	3	-3,25	4	-13	Medium to high -	-1	1	4	2	2	-2,25	3	-6,75	Medium to low -	High	2	1	1,13	-7,59
16	Land & Soil Degradation	Continued encroachment by alien and invasive plant species	Proposed Project	Operation	Normal operations or events	-1	3	5	3	3	-3,5	4	-14	High -	-1	1	2	2	2	-1,75	2	-3,5	Low -	Medium	2	1	1,13	-3,94
17	Land Restoration & Vegetation Recovery	Slow regrowth of natural vegetation and potential further spread of alien and invasive species.	Proposed Project	Rehab and Closure	Normal operations or events	-1	2	5	3	3	-3,25	4	-13	Medium to high -	-1	2	2	2	3	-2,25	2	-4,5	Medium to low -	Medium	1	1	1,00	-4,50
18	Land & Soil Degradation	Increased bare surfaces, runoff and potential for erosion.	Proposed Project	Construction	Normal operations or events	-1	2	3	3	3	-2,75	3	-8,25	Medium to low -	-1	1	2	2	1	-1,5	3	-4,5	Medium to low -	High	2	2	1,25	-5,63
19	Water Resources & Pollution	Impacts on water quantity by abstraction boreholes. (Pumping from production boreholes) and through passive groundwater ingress	Proposed Project	Construction	Normal operations or events	-1	2	4	3	3	-3	3	-9	Medium to high -	-1	1	4	2	3	-2,5	2	-5	Medium to low -	Medium	2	2	1,25	-6,25
20	Water Resources & Pollution	Impacts on water quantity by abstraction boreholes. (Pumping from production boreholes) and through passive groundwater ingress	Proposed Project	Operation	Normal operations or events	-1	2	4	3	3	-3	3	-9	Medium to high -	-1	1	4	2	3	-2,5	2	-5	Medium to low -	Medium	2	2	1,25	-6,25
21	Water Resources & Pollution	Impacts on water quality captured by pit	Proposed Project	Construction	Normal operations or events	-1	2	4	3	3	-3	3	-9	Medium to high -	-1	1	4	2	3	-2,5	2	-5	Medium to low -	Medium	2	2	1,25	-6,25
22	Water Resources & Pollution	Impacts on water quality captured by pit	Proposed Project	Operation	Normal operations or events	-1	2	4	3	3	-3	3	-9	Medium to high -	-1	1	4	2	3	-2,5	2	-5	Medium to low -	Medium	2	2	1,25	-6,25
23	Cultural & Heritage Impacts	Potential destruction of Late Iron Age Archaeological sites	Proposed Project	Construction	Normal operations or events	-1	3	5	2	5	-3,75	5	-18,75	High -	-1	1	5	1	5	-3	1	-3	Low -	High	1	3	1,25	-3,75
24	Cultural & Heritage Impacts	Potential destruction of possible graves	Proposed Project	Construction	Normal operations or events	-1	2	5	2	5	-3,5	5	-17,5	High -	-1	1	5	1	5	-3	1	-3	Low -	High	1	3	1,25	-3,75
25	Cultural & Heritage Impacts	Potential destruction of historical kraal walling made from LIA walling.	Proposed Project	Construction	Normal operations or events	-1	2	5	2	5	-3,5	5	-17,5	High -	-1	1	5	1	5	-3	1	-3	Low -	High	1	3	1,25	-3,75
26	Palaeontological Resources	Loss of Palaeontological Resources.	Proposed Project	Construction	Normal operations or events	-1	1	5	1	5	-3	1	-3	Low -	-1	1	5	1	5	-3	1	-3	Low -	High	1	1	1,00	-3,00
27	Community Health & Safety	Risk of accidents related to mining activities and transport of hazardous materials.	Proposed Project	Operation	Normal operations or events	-1	2	4	5	5	-4	3	-12	Medium to high -	-1	1	4	1	2	-2	1	-2	Low -	High	1	3	1,25	-2,50
28	Job Continuation	Continuation of jobs at the mine if Life of Mine is extended and economic benefits for the surrounding communities.	Proposed Project	Operation	Normal operations or events	1	4	4	5	1	3,5	5	17,5	High +	1	4	4	5	1	3,5	5	17,5	High +	High	3	3	1,50	26,25
29	Employment & Economic Contributions	Potential skills development and training programs for employees.	Proposed Project	Operation	Normal operations or events	1	4	4	4	5	4,25	4	17	High +	1	4	4	4	5	4,25	4	17	High +	Medium	2	2	1,25	21,25
30	Livelihood & Land Use Conflicts	Reduced availability of arable land for farming due to mining expansion into southern areas.	Proposed Project	Operation	Normal operations or events	-1	2	4	2	3	-2,75	2	-5,5	Medium to low -	-1	1	4	2	1	-2	2	-4	Low -	High	1	1	1,00	-4,00
31	Livelihood & Land Use Conflicts	Competition for water resources between the mine and surrounding farmers.	Proposed Project	Operation	Normal operations or events	-1	3	4	4	2	-3,25	3	-9,75	Medium to high -	-1	2	4	1	1	-2	1	-2	Low -	High	1	1	1,00	-2,00
32	Job Losses & Economic Decline	Retrenchments leading to social and economic hardship in local communities.	Proposed Project	Rehab and Closure	Normal operations or events	-1	4	2	4	3	-3,25	5	-16,25	High -	-1	2	1	2	1	-1,5	1	-1,5	Low -	Medium	2	2	1,25	-1,88
33	Alternative Land Use Opportunities	Potential conversion of rehabilitated land for agriculture, conservation, or community use.	Proposed Project	Rehab and Closure	Normal operations or events	1	3	4	3	1	2,75	3	8,25	Low to medium +	1	4	5	5	2	4	4	16	High +	Medium	1	3	1,25	20,00
34	Alternative Land Use Opportunities	Opportunities for eco-tourism or renewable energy projects.	Proposed Project	Rehab and Closure	Normal operations or events	1	3	4	3	1	2,75	3	8,25	Low to medium +	1	4	5	4	2	3,75	4	15	High +	Medium	1	3	1,25	18,75