

Aspect	IMPACT DESCRIPTION			PRE - MITIGATION							POST - MITIGATION							IMPACT PRIORITISATION					
	Impact	Activity	Phase	Nature	Extent	Duration	Magnitude	Reversibility	Probability	Pre-Mitigation	Nature	Extent	Duration	Magnitude	Reversibility	Probability	Post-Mitigation	Confidence	Public Response	Cumulative Impact	Irreplaceable Loss	Priority Factor	Final Score
Topography and Land Reform	Alteration of topography	Underground mining	Operation	-1	3	4	4	5	4	-16.00	-1	4	3	4	4	4	-15.00	Medium	2	1	1	1.17	-17.50
Topography and Land Reform	Altered drainage Patterns	Maintenance and operation of site infrastructure and facilities	Operation	-1	4	4	4	4	4	-16.00	-1	3	4	4	4	4	-15.00	Medium	2	1	2	1.33	-20.00
Topography and Land Reform	Altered drainage Patterns	Mineral processing	Operation	-1	4	4	4	4	4	-16.00	-1	2	3	3	3	3	-8.25	Medium	2	2	2	1.50	-12.38
Topography and Land Reform	Altered drainage Patterns	Underground mining	Operation	-1	4	4	4	4	4	-16.00	-1	2	3	3	3	3	-8.25	Medium	2	2	2	1.50	-12.38
Topography and Land Reform	Soil surface subsidence	Maintenance and operation of site infrastructure and facilities	Operation	-1	3	4	4	4	4	-11.00		2	3	3	3	3	-8.25	Medium	2	2	2	1.50	-12.38
Geology	Impact on geology	Underground mining	Operation	-1	4	5	4	5	4	-18.00	-1	4	5	4	5	4	-18.00	Medium	1	2	2	1.33	-24.00
Soils	Soil compaction	Drilling for continued resource evaluation	Operation	-1	2	2	2	3	4	-9.00	-1	2	2	2	2	3	-6.00	Medium	1	2	2	1.33	-8.00
Soils	Soil compaction	Drilling monitoring boreholes	Operation	-1	2	2	2	3	4	-9.00	-1	2	2	2	2	3	-6.00	Medium	1	2	2	1.33	-8.00
Soils	Soil compaction	Mineral processing	Operation	-1	2	3	3	4	4	-12.00	-1	2	2	3	4	3	-8.25	Medium	1	2	2	1.33	-11.00
Soils	Soil compaction	Underground mining	Operation	-1	2	3	3	4	4	-12.00	-1	2	2	3	4	3	-8.25	Medium	1	2	2	1.33	-11.00
Soils	Soil pollution/contamination	Maintenance and operation of site infrastructure and facilities	Operation	-1	2	3	3	4	4	-12.00	-1	2	2	3	4	3	-8.25	Medium	1	2	2	1.33	-11.00
Soils	Soil pollution/contamination	Mineral processing	Operation	-1	2	3	3	4	4	-12.00	-1	2	2	3	4	3	-8.25	Medium	1	2	2	1.33	-11.00
Soils	Soil pollution/contamination	Underground mining	Operation	-1	2	2	3	4	4	-11.00	-1	2	2	3	4	3	-8.25	Medium	1	2	2	1.33	-11.00
Soils	Erosion and sedimentation	Maintenance and operation of site infrastructure and facilities	Operation	-1	2	2	3	2	4	-9.00	-1	2	2	4	4	3	-9.00	Medium	1	2	2	1.33	-12.00
Soils	Erosion and sedimentation	Mineral processing	Operation	-1	1	2	3	2	4	-8.00	-1	1	2	3	4	3	-7.50	Medium	1	2	2	1.33	-10.00
Soils	Erosion and sedimentation	Underground mining	Operation	-1	1	2	3	2	4	-8.00	-1	1	2	3	4	3	-7.50	Medium	1	2	2	1.33	-10.00

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Land Capability	Loss of soil fertility (denitrification, Loss of soil nutrient store and organic carbon stores) and loss of land capability	Maintenance and operation of site infrastructure and facilities	Operation	-1	1	2	3	3	4	-9.00	-1	1	2	3	4	3	-7.50	Medium	3	2	2	1.67	-12.50
Land Capability	Loss of soil resource and its utilisation potential	Maintenance and operation of site infrastructure and facilities	Operation	-1	1	2	3	3	4	-9.00	-1	1	2	3	4	3	-7.50	Medium	3	2	2	1.67	-12.50
Land Use	Impacts on services	Underground mining	Operation	-1	1	3	4	4	4	-12.00	-1	1	2	3	3	3	-6.75	Medium	2	2	2	1.50	-10.13
Land Use	Interference with existing land uses	Drilling for continued resource evaluation	Operation	-1	1	3	3	3	3	-7.50	-1	1	2	3	3	3	-6.75	Medium	2	2	2	1.50	-10.13
Land Use	Interference with existing land uses	Drilling monitoring boreholes	Operation	-1	1	3	3	3	3	-7.50	-1	1	2	3	3	3	-6.75	Medium	2	2	2	1.50	-10.13
Land Use	Interference with existing land uses	Underground mining	Operation	-1	2	3	3	4	4	-12.00	-1	1	2	3	3	4	-9.00	Medium	2	1	2	1.33	-12.00
Fauna and Flora	Continued encroachment and displacement of the natural vegetation community due to alien invasive plant species, dust, erosion and edge effects	Drilling for continued resource evaluation	Operation	-1	2	3	3	3	4	-11.00	-1	1	2	3	3	4	-9.00	Medium	1	1	2	1.17	-10.50
Fauna and Flora	Continued encroachment and displacement of the natural vegetation community due to alien invasive plant species, dust, erosion and edge effects	Drilling monitoring boreholes	Operation	-1	2	3	3	3	4	-11.00	-1	1	2	3	3	4	-9.00	Medium	1	1	2	1.17	-10.50
Fauna and Flora	Continued encroachment and displacement of the natural vegetation community due to alien invasive plant species, dust, erosion and edge effects	Maintenance and operation of site infrastructure and facilities	Operation	-1	2	3	3	3	4	-11.00	-1	1	2	3	3	4	-9.00	Medium	1	1	2	1.17	-10.50

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Fauna and Flora	Continued encroachment and displacement of the natural vegetation community due to alien invasive plant species, dust, erosion and edge effects	Mineral processing	Operation	-1	2	3	3	3	4	-11.00	-1	1	2	3	3	4	-9.00	Medium	1	1	2	1.17	-10.50
Fauna and Flora	Spread and/or establishment of alien and/or invasive species	Drilling for continued resource evaluation	Operation	-1	2	3	3	3	4	-11.00	-1	1	2	3	3	4	-9.00	Medium	1	1	2	1.17	-10.50
Fauna and Flora	Spread and/or establishment of alien and/or invasive species	Drilling monitoring boreholes	Operation	-1	2	3	3	3	4	-11.00	-1	1	2	3	3	4	-9.00	Medium	1	1	2	1.17	-10.50
Fauna and Flora	Spread and/or establishment of alien and/or invasive species	Maintenance and operation of site infrastructure and facilities	Operation	-1	2	3	3	3	4	-2.75	-1	1	2	3	3	4	-9.00	Medium	1	1	2	1.17	-10.50
Fauna and Flora	Spread and/or establishment of alien and/or invasive species	Mineral processing	Operation	-1	2	3	3	2	3	-7.50	-1	1	2	3	3	3	-6.75	Medium	1	1	2	1.17	-7.88
Fauna and Flora	Displacement of faunal community due to habitat fragmentation and/or loss, direct and indirect mortalities and disturbance (road collisions, noise, dust, vibration and poaching)	Drilling for continued resource evaluation	Operation	-1	2	3	3	2	4	-10.00	-1	1	2	3	3	3	-6.75	Medium	1	2	2	1.33	-9.00
Fauna and Flora	Displacement of faunal community due to habitat fragmentation and/or loss, direct and indirect mortalities and disturbance (road collisions, noise, dust, vibration and poaching)	Drilling monitoring boreholes	Operation	-1	2	3	3	2	4	-10.00	-1	1	2	3	3	3	-6.75	Medium	1	1	2	1.17	-7.88
Fauna and Flora	Displacement of faunal community due to habitat fragmentation and/or loss, direct and indirect mortalities and disturbance (road collisions, noise, dust, vibration and poaching)	Maintenance and operation of site infrastructure and facilities	Operation	-1	2	3	3	2	3	-7.50	-1	1	2	3	3	3	-6.75	Medium	1	2	2	1.33	-9.00
Fauna and Flora	Displacement of faunal community due to habitat fragmentation and/or loss, direct and indirect mortalities and disturbance (road collisions, noise, dust, vibration and poaching)	Mineral processing	Operation	-1	2	3	3	3	3	-8.25	-1	1	2	3	3	3	-6.75	Medium	1	2	2	1.33	-9.00

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Fauna and Flora	Environmental pollution due to water/ mine drainage runoff	Drilling for continued resource evaluation	Operation	-1	2	4	4	3	3	-9.75	-1	1	2	3	3	4	-9.00	Medium	1	2	2	1.33	-12.00
Fauna and Flora	Environmental pollution due to water/ mine drainage runoff	Drilling monitoring boreholes	Operation	-1	2	4	4	3	3	-9.75	-1	1	2	3	3	2	-4.50	Medium	1	1	2	1.17	-5.25
Fauna and Flora	Environmental pollution due to water/ mine drainage runoff	Maintenance and operation of site infrastructure and facilities	Operation	-1	2	4	4	3	3	-9.75	-1	1	2	3	3	2	-4.50	Medium	1	1	2	1.17	-5.25
Fauna and Flora	Environmental pollution due to water/ mine drainage runoff	Mineral processing	Operation	-1	2	4	4	3	3	-9.75	-1	1	2	3	3	2	-4.50	Medium	1	1	2	1.17	-5.25
Surface Water Resources	Decrease in surface water quantity/availability	Maintenance and operation of site infrastructure and facilities	Operation	-1	2	4	4	3	3	-9.75	-1	1	2	3	3	2	-4.50	Medium	1	1	2	1.17	-5.25
Surface Water Resources	Decrease in surface water quantity/availability	Underground mining	Operation	-1	2	4	4	3	3	-9.75	-1	1	2	3	3	2	-4.50	Medium	1	1	2	1.17	-5.25
Surface Water Resources	Pollution of surface water resources/decreased water quality	Maintenance and operation of site infrastructure and facilities	Operation	-1	3	4	4	4	4	-15.00	-1	3	4	3	3	3	-9.75	Medium	2	2	2	1.50	-14.63
Surface Water Resources	Pollution of surface water resources/decreased water quality	Mineral processing	Operation	-1	3	3	4	4	4	-14.00	-1	3	4	3	3	3	-9.75	Medium	2	2	2	1.50	-14.63
Surface Water Resources	Pollution of surface water resources/decreased water quality	Underground mining	Operation	-1	4	4	4	4	4	-16.00	-1	3	4	3	3	3	-9.75	Medium	2	3	3	1.83	-17.88
Groundwater	Decrease in water quantity/availability	Mineral processing	Operation	-1	3	4	4	4	4	-15.00	-1	3	4	3	3	3	-9.75	Medium	1	2	2	1.33	-13.00
Groundwater	Decrease in water quantity/availability	Underground mining	Operation	-1	4	4	4	4	4	-16.00	-1	4	3	3	3	3	-9.75	Medium	1	3	3	1.67	-16.25
Groundwater	Dewatering of groundwater aquifers	Underground mining	Operation	-1	4	4	4	4	4	-16.00	-1	4	3	3	3	3	-9.75	Medium	1	3	3	1.67	-16.25
Groundwater	Pollution of groundwater/decreased water quality	Maintenance and operation of site infrastructure and facilities	Operation	-1	3	4	4	4	4	-15.00	-1	3	4	3	3	3	-9.75	Medium	1	2	2	1.33	-13.00
Groundwater	Pollution of groundwater/decreased water quality	Underground mining	Operation	-1	4	4	4	4	4	-16.00	-1	4	3	3	3	3	-9.75	Medium	1	3	3	1.67	-16.25
Wetlands	Decreased water to adjacent wetlands	Maintenance and operation of site infrastructure and facilities	Operation	-1	3	3	3	3	4	-12.00	-1	1	2	3	3	4	-9.00	Medium	1	2	2	1.33	-12.00
Wetlands	Decreased water to adjacent wetlands	Underground mining	Operation	-1	4	4	4	4	4	-16.00	-1	1	2	3	3	4	-9.00	Medium	1	2	2	1.33	-12.00

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Wetlands	Loss and disturbance of wetland habitat	Maintenance and operation of site infrastructure and facilities	Operation	-1	4	4	4	3	4	-15.00	-1	1	2	3	3	4	-9.00	Medium	1	2	1	1.17	-10.50
Wetlands	Loss and disturbance of wetland habitat	Underground mining	Operation	-1	4	4	4	4	4	-16.00	-1	1	2	3	3	4	-9.00	Medium	1	2	2	1.33	-12.00
Wetlands	Undermining of wetlands - surface subsidence	Underground mining	Operation	-1	4	4	4	4	4	-16.00	-1	1	2	3	3	4	-9.00	Medium	1	2	2	1.33	-12.00
Environmental Pollution	General environmental pollution	Mineral processing	Operation	-1	4	4	4	4	4	-16.00	-1	1	2	3	3	4	-9.00	Medium	2	2	2	1.50	-13.50
Environmental Pollution	General environmental pollution	Underground mining	Operation	-1	4	4	3	3	4	-14.00	-1	1	2	3	3	4	-9.00	Medium	2	2	2	1.50	-13.50
Environmental Pollution	Hydrocarbon spills/contamination	Drilling for continued resource evaluation	Operation	-1	4	4	3	3	4	-14.00	-1	1	1	3	3	4	-8.00	Medium	2	2	2	1.50	-12.00
Environmental Pollution	Hydrocarbon spills/contamination	Drilling monitoring boreholes	Operation	-1	4	4	3	3	4	-14.00	-1	1	1	3	3	4	-8.00	Medium	2	2	2	1.50	-12.00
Environmental Pollution	Hydrocarbon spills/contamination	Maintenance and operation of site infrastructure and facilities	Operation	-1	4	4	3	3	4	-14.00	-1	1	2	3	3	4	-9.00	Medium	2	2	2	1.50	-13.50
Environmental Pollution	Hydrocarbon spills/contamination	Mineral processing	Operation	-1	4	4	3	3	4	-14.00	-1	1	2	3	3	4	-9.00	Medium	2	2	2	1.50	-13.50
Environmental Pollution	Hydrocarbon spills/contamination	Underground mining	Operation	-1	4	4	3	3	4	-14.00	-1	1	2	3	3	4	-9.00	Medium	2	2	2	1.50	-13.50
Environmental Pollution	Sewage spills/contamination	Maintenance and operation of site infrastructure and facilities	Operation	-1	4	4	3	3	4	-14.00	-1	1	2	3	3	4	-9.00	Medium	2	2	2	1.50	-13.50
Environmental Pollution	Sewage spills/contamination	Underground mining	Operation	-1	4	4	3	3	3	-10.50	-1	1	2	3	3	4	-9.00	Medium	2	2	2	1.50	-13.50
Heritage Resources	Destruction/damage of heritage resources	Underground mining	Operation	-1	1	2	4	4	2	-5.50	-1	1	3	3	3	2	-5.00	Medium	1	1	2	1.17	-5.83
Heritage Resources	Destruction/damage of palaeontological resources	Underground mining	Operation	-1	1	2	4	4	2	-5.50	-1	1	2	3	3	2	-4.50	Medium	1	1	2	1.17	-5.25
Social	Crime and violence	General mine management	Operation	-1	4	4	3	3	4	-14.00	-1	1	2	3	3	2	-4.50	Medium	3	1	1	1.33	-6.00
Social	Influx of migrant workers	General mine management	Operation	-1	4	4	3	3	4	-14.00	-1	1	2	3	3	2	-4.50	Medium	3	2	1	1.50	-6.75
Social	Loss of sense of place	General mine management	Operation	-1	2	3	3	3	3	-8.25	-1	1	2	2	3	2	-4.00	Medium	3	2	1	1.50	-6.00

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Social	Loss of sense of place	Mineral processing	Operation	-1	2	4	3	3	3	-9.00	-1	1	2	2	3	2	-4.00	Medium	3	1	1	1.33	-5.33
Social	Loss of sense of place	Underground mining	Operation	-1	2	4	3	3	3	-9.00	-1	1	2	2	3	2	-4.00	Medium	3	1	1	1.33	-5.33
Social	Relocation	General mine management	Operation	-1	2	4	3	3	3	-9.00	-1	1	2	2	3	2	-4.00	Medium	3	1	1	1.33	-5.33
Social	Social vices	General mine management	Operation	-1	2	4	3	3	3	-9.00	-1	1	2	2	3	2	-4.00	Medium	3	1	1	1.33	-5.33
Social	Social vices	Maintenance and operation of site infrastructure and facilities	Operation	-1	2	4	3	3	3	-9.00	-1	1	2	2	3	2	-4.00	Medium	3	1	1	1.33	-5.33
Social	Social vices	Underground mining	Operation	-1	4	4	3	3	2	-7.00	-1	1	2	2	3	2	-4.00	Medium	3	1	1	1.33	-5.33
Socio-Economic	Gold supply security to the market	Underground mining	Operation	1	4	4	3	3	4	14.00	1	4	4	4	4	5	20.00	Medium	1	2	1	1.17	23.33
Socio-Economic	Economic growth	General mine management	Operation	1	3	4	4	3	3	10.50	1	4	3	3	3	4	13.00	Medium	1	2	1	1.17	15.17
Socio-Economic	Economic growth	Underground mining	Operation	1	3	4	3	3	3	9.75	1	4	3	3	3	4	13.00	Medium	1	2	1	1.17	15.17
Socio-Economic	Education, skills development and training	Drilling for continued resource evaluation	Operation	1	3	4	3	3	3	9.75	1	4	3	3	3	4	13.00	Medium	3	2	1	1.50	19.50
Socio-Economic	Education, skills development and training	General mine management	Operation	1	3	4	3	3	3	9.75	1	4	3	3	3	4	13.00	Medium	3	2	1	1.50	19.50
Socio-Economic	Education, skills development and training	Underground mining	Operation	1	3	4	3	3	3	9.75	1	4	3	3	3	4	13.00	Medium	3	2	1	1.50	19.50
Socio-Economic	Employment opportunities	Drilling for continued resource evaluation	Operation	1	3	4	3	3	3	9.75	1	4	3	3	3	4	13.00	Medium	3	2	1	1.50	19.50
Socio-Economic	Employment opportunities	General mine management	Operation	1	3	4	3	3	3	9.75	1	4	3	3	3	4	13.00	Medium	3	2	1	1.50	19.50
Socio-Economic	Employment opportunities	Maintenance and operation of site infrastructure and facilities	Operation	1	3	4	3	3	3	9.75	1	4	3	3	3	4	13.00	Medium	3	2	1	1.50	19.50
Socio-Economic	Employment opportunities	Underground mining	Operation	1	3	4	3	3	3	9.75	1	4	3	3	3	4	13.00	Medium	3	2	1	1.50	19.50
Socio-Economic	Impacts on local farm labour	General mine management	Operation	1	3	4	3	3	3	9.75	1	4	3	3	3	4	13.00	Medium	3	2	1	1.50	19.50

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Socio-Economic	Impacts on local farm labour	Underground mining	Operation	-1	4	4	3	3	1	-3.50	-1	1	2	2	3	1	-2.00	Medium	3	1	1	1.33	-2.67
Socio-Economic	Perceptions and expectations	Drilling for continued resource evaluation	Operation	-1	4	4	3	3	1	-3.50	-1	1	2	2	3	1	-2.00	Medium	3	1	1	1.33	-2.67
Socio-Economic	Impact on livelihoods	General mine management	Operation	-1	4	4	3	3	1	-3.50	-1	1	2	2	3	1	-2.00	Medium	3	1	1	1.33	-2.67
Health and Safety	Community health and safety	General mine management	Operation	-1	4	3	3	3	4	-13.00	-1	4	3	3	3	3	-9.75	Medium	3	2	1	1.50	-14.63
Health and Safety	Community health and safety	Maintenance and operation of site infrastructure and facilities	Operation	-1	4	3	3	3	4	-13.00	-1	4	3	3	3	3	-9.75	Medium	3	2	1	1.50	-14.63
Health and Safety	Fire and explosion hazard	Maintenance and operation of site infrastructure and facilities	Operation	-1	2	4	3	4	3	-9.75	-1	1	3	3	3	2	-5.00	Medium	3	1	1	1.33	-6.67
Health and Safety	Fire and explosion hazard	Mineral processing	Operation	-1	2	4	3	4	3	-9.75	-1	1	3	3	3	2	-5.00	Medium	3	1	1	1.33	-6.67
Health and Safety	Fire and explosion hazard	Underground mining	Operation	-1	2	4	3	4	3	-9.75	-1	1	3	3	3	2	-5.00	Medium	3	1	1	1.33	-6.67
Health and Safety	Fly rock	Underground mining	Operation	-1	2	4	3	3	3	-9.00	-1	2	3	3	3	2	-5.50	Medium	3	3	3	2.00	-11.00
Health and Safety	Health impacts	General mine management	Operation	-1	2	4	3	3	3	-9.00	-1	2	3	3	3	2	-5.50	Medium	3	3	3	2.00	-11.00
Health and Safety	Health impacts	Maintenance and operation of site infrastructure and facilities	Operation	-1	2	4	3	3	3	-9.00	-1	2	3	3	3	2	-5.50	Medium	3	3	3	2.00	-11.00
Health and Safety	Health impacts	Underground mining	Operation	-1	2	4	3	3	3	-9.00	-1	2	3	3	3	2	-5.50	Medium	3	3	3	2.00	-11.00
Transportation, Infrastructure and Traffic	Increased traffic	Underground mining	Operation	-1	2	3	4	3	5	-15.00	-1	2	3	2	2	5	-11.25	Medium	3	1	1	1.33	-15.00
Transportation, Infrastructure and Traffic	Damage to road infrastructure	Underground mining	Operation	-1	2	3	4	3	5	-15.00	-1	2	3	2	2	5	-11.25	Medium	3	1	1	1.33	-15.00
Visual	Visual impact of light at night	Mineral processing	Operation	-1	2	4	3	4	3	-9.75	-1	2	3	3	3	2	-5.50	Medium	1	1	1	1.00	-5.50
Visual	Visual impact of light at night	Underground mining	Operation	-1	2	4	3	4	3	-9.75	-1	2	3	3	3	2	-5.50	Medium	1	1	1	1.00	-5.50
Visual	Visual impact of mine infrastructure, stockpiles and dust	Mineral processing	Operation	-1	2	4	3	4	3	-9.75	-1	2	3	3	3	2	-5.50	Medium	1	1	1	1.00	-5.50

IMPACT DESCRIPTION				PRE - MITIGATION							POST - MITIGATION							IMPACT PRIORITISATION					
Aspect	Impact	Activity	Phase	Nature	Extent	Duration	Magnitude	Reversibility	Probability	Pre-Mitigation	Nature	Extent	Duration	Magnitude	Reversibility	Probability	Post-Mitigation	Confidence	Public Response	Cumulative Impact	Irreplaceable Loss	Priority Factor	Final Score
Visual	Visual impact of mine infrastructure, stockpiles and dust	Underground mining	Operation	-1	2	4	3	4	3	-9.75	-1	2	3	3	3	2	-5.50	Medium	1	1	1	1.00	-5.50
Air Quality	Fugitive emissions (dust)	Drilling for continued resource evaluation	Operation	-1	2	4	3	4	4	-13.00	-1	2	3	3	3	2	-5.50	Medium	2	1	1	1.17	-6.42
Air Quality	Fugitive emissions (dust)	Drilling monitoring boreholes	Operation	-1	2	4	3	4	4	-13.00	-1	2	3	3	3	2	-5.50	Medium	2	1	1	1.17	-6.42
Air Quality	Fugitive emissions (dust)	Mineral processing	Operation	-1	4	4	4	4	4	-16.00	-1	2	3	3	3	3	-8.25	Medium	2	1	1	1.17	-9.63
Air Quality	Fugitive emissions (dust)	Underground mining	Operation	-1	4	4	4	4	4	-16.00	-1	2	3	3	3	3	-8.25	Medium	2	2	2	1.50	-12.38
Air Quality	Greenhouse gas emissions	Maintenance and operation of site infrastructure and infrastructure and facilities	Operation	-1	4	4	4	4	4	-16.00	-1	2	3	3	3	3	-8.25	Medium	2	2	2	1.50	-12.38
Air Quality	Greenhouse gas emissions	Mineral processing	Operation	-1	4	4	4	4	4	-16.00	-1	2	3	3	3	3	-8.25	Medium	2	2	2	1.50	-12.38
Air Quality	Greenhouse gas emissions	Underground mining	Operation	-1	4	4	4	4	4	-16.00	-1	2	3	3	3	3	-8.25	Medium	2	2	2	1.50	-12.38
Noise	Disturbing and/or nuisance noise	Drilling for continued resource evaluation	Operation	-1	2	2	2	2	4	-8.00	-1	2	3	3	3	3	-8.25	Medium	2	2	2	1.50	-12.38
Noise	Disturbing and/or nuisance noise	Drilling monitoring boreholes	Operation	-1	2	2	2	2	4	-8.00	-1	2	3	3	3	2	-5.50	Medium	2	2	2	1.50	-8.25
Noise	Disturbing and/or nuisance noise	Maintenance and operation of site infrastructure and facilities	Operation	-1	2	4	3	4	4	-13.00	-1	2	3	3	3	2	-5.50	Medium	2	2	2	1.50	-8.25
Noise	Disturbing and/or nuisance noise	Mineral processing	Operation	-1	2	4	3	4	4	-13.00	-1	2	3	3	3	2	-5.50	Medium	2	2	2	1.50	-8.25
Noise	Disturbing and/or nuisance noise	Underground mining	Operation	-1	2	4	3	4	4	-13.00	-1	2	3	3	3	3	-8.25	Medium	2	2	2	1.50	-12.38
Blasting and Vibration	Air blast	Underground mining	Operation	-1	3	4	4	4	4	-15.00	-1	2	3	3	3	3	-8.25	Medium	3	2	2	1.67	-13.75
Blasting and Vibration	Ground vibration and human perception	Underground mining	Operation	-1	3	3	4	3	4	-13.00	-1	2	3	3	3	3	-8.25	Medium	3	2	2	1.67	-13.75
Blasting and Vibration	Impacts on infrastructure (roads, communications infrastructure, services, houses, boreholes)	Underground mining	Operation	-1	3	3	3	3	4	-12.00	-1	2	3	3	3	3	-8.25	Medium	3	2	2	1.67	-13.75
Blasting and Vibration	Noxious fumes	Underground mining	Operation	-1	3	3	3	3	4	-12.00	-1	2	3	3	3	3	-8.25	Medium	3	1	1	1.33	-11.00

Aspect	IMPACT DESCRIPTION			PRE - MITIGATION							POST - MITIGATION							IMPACT PRIORITISATION					
	Impact	Activity	Phase	Nature	Extent	Duration	Magnitude	Reversibility	Probability	Pre-Mitigation	Nature	Extent	Duration	Magnitude	Reversibility	Probability	Post-Mitigation	Confidence	Public Response	Cumulative Impact	Irreplaceable Loss	Priority Factor	Final Score
Topography and Land Reform	Altered drainage Patterns	Infrastructure removal	Decommissioning	-1	2	2	2	2	4	-8.00	-1	3	4	4	4	4	-15.00	Medium	2	1	2	1.33	-20.00
Topography and Land Reform	Soil surface subsidence	Decommissioning underground mine infrastructure	Decommissioning	-1	3	3	3	3	4	-12.00	-1	2	3	3	3	3	-8.25	Medium	1	2	2	1.33	-11.00
Soils	Soil compaction	Decommissioning of TSFs	Decommissioning	-1	2	3	2	3	4	-10.00	-1	2	2	2	2	3	-6.00	Medium	1	2	2	1.33	-8.00
Soils	Soil compaction	Drilling monitoring boreholes	Decommissioning	-1	2	2	2	3	4	-9.00	-1	2	2	2	2	3	-6.00	Medium	1	2	2	1.33	-8.00
Soils	Soil compaction	Infrastructure removal	Decommissioning	-1	2	3	3	4	4	-12.00	-1	2	2	3	4	3	-8.25	Medium	1	2	2	1.33	-11.00
Soils	Soil pollution/contamination	Decommissioning of TSFs	Decommissioning	-1	2	3	3	4	4	-12.00	-1	2	2	3	4	3	-8.25	Medium	1	2	2	1.33	-11.00
Soils	Soil pollution/contamination	General decommissioning activities	Decommissioning	-1	2	3	3	4	4	-12.00	-1	2	2	3	4	3	-8.25	Medium	1	2	2	1.33	-11.00
Soils	Soil pollution/contamination	Infrastructure removal	Decommissioning	-1	2	2	3	4	4	-11.00	-1	2	2	3	4	3	-8.25	Medium	1	2	2	1.33	-11.00
Soils	Soil pollution/contamination	Decommissioning underground mine infrastructure	Decommissioning	-1	2	3	2	3	4	-10.00	-1	2	2	2	2	3	-6.00	Medium	1	2	2	1.33	-8.00
Soils	Erosion and sedimentation	Decommissioning of TSFs	Decommissioning	-1	2	2	3	3	4	-10.00	-1	2	2	4	4	3	-9.00	Medium	1	2	2	1.33	-12.00
Soils	Erosion and sedimentation	Infrastructure removal	Decommissioning	-1	1	3	3	3	4	-10.00	-1	1	2	3	4	3	-7.50	Medium	1	2	2	1.33	-10.00
Land Use	Impacts on services	Infrastructure removal	Decommissioning	-1	1	3	4	4	4	-12.00	-1	1	2	3	3	3	-6.75	Medium	2	2	2	1.50	-10.13
Land Use	Interference with existing land uses	General decommissioning activities	Decommissioning	-1	1	3	3	3	3	-7.50	-1	1	2	3	3	3	-6.75	Medium	2	2	2	1.50	-10.13
Land Use	Interference with existing land uses	Infrastructure removal	Decommissioning	-1	2	3	3	4	4	-12.00	-1	1	2	3	3	4	-9.00	Medium	2	2	2	1.50	-13.50
Fauna and Flora	Displacement of faunal community due to habitat fragmentation and/or loss, direct and indirect mortalities and disturbance (road collisions, noise, dust, vibration and poaching)	Drilling monitoring boreholes	Decommissioning	-1	2	2	3	3	4	-10.00	-1	2	2	2	3	3	-6.75	Medium	1	2	2	1.33	-9.00

Aspect	IMPACT DESCRIPTION			PRE - MITIGATION							POST - MITIGATION							IMPACT PRIORITISATION					
	Impact	Activity	Phase	Nature	Extent	Duration	Magnitude	Reversibility	Probability	Pre-Mitigation	Nature	Extent	Duration	Magnitude	Reversibility	Probability	Post-Mitigation	Confidence	Public Response	Cumulative Impact	Irreplaceable Loss	Priority Factor	Final Score
Fauna and Flora	Displacement of faunal community due to habitat fragmentation and/or loss, direct and indirect mortalities and disturbance (road collisions, noise, dust, vibration and poaching)	General decommissioning activities	Decommissioning	-1	1	1	1	1	1	-1.00	-1	1	1	1	1	1	-1.00	High	2	2	2	1.50	-1.50
Fauna and Flora	Spread and/or establishment of alien and/or invasive species	Decommissioning of TSFs	Decommissioning	-1	2	3	3	3	3	-8.25	-1	1	2	3	3	4	-9.00	Medium	1	2	2	1.33	-12.00
Fauna and Flora	Spread and/or establishment of alien and/or invasive species	Infrastructure removal	Decommissioning	-1	2	3	3	3	3	-8.25	-1	1	2	3	3	4	-9.00	Medium	1	2	2	1.33	-12.00
Surface Water Resources	Environmental pollution due to water/ mine drainage runoff	Drilling monitoring boreholes	Decommissioning	-1	2	3	3	3	3	-8.25	-1	1	2	3	3	4	-9.00	Medium	2	2	2	1.50	-13.50
Surface Water Resources	Environmental pollution due to water/ mine drainage runoff	General surface rehabilitation	Decommissioning	-1	2	3	3	3	3	-8.25	-1	1	2	3	3	4	-9.00	Medium	2	2	2	1.50	-13.50
Surface Water Resources	Environmental pollution due to water/ mine drainage runoff	Post closure monitoring and maintenance	Decommissioning	-1	2	3	3	3	3	-8.25	-1	1	2	3	3	4	-9.00	Medium	2	2	2	1.50	-13.50
Surface Water Resources	Environmental pollution due to water/ mine drainage runoff	Storm water management	Decommissioning	-1	2	3	3	3	3	-8.25	-1	1	2	3	3	4	-9.00	Medium	2	2	2	1.50	-13.50
Surface Water Resources	Environmental pollution due to water/ mine drainage runoff	Water Treatment (when required)	Decommissioning	-1	2	3	3	3	3	-8.25	-1	1	2	3	3	4	-9.00	Medium	2	2	2	1.50	-13.50
Surface Water Resources	Pollution of surface water resources/decreased water quality	Decommissioning of TSFs	Decommissioning	-1	2	3	3	4	3	-9.00	-1	1	2	3	3	3	-6.75	Medium	2	2	2	1.50	-10.13
Groundwater	Decrease in water quantity/availability	General decommissioning activities	Decommissioning	-1	2	3	3	3	3	-8.25	-1	1	2	3	3	3	-6.75	Medium	1	2	2	1.33	-9.00
Groundwater	Dewatering of groundwater aquifers	Decommissioning underground mine infrastructure	Decommissioning	-1	2	3	3	3	3	-8.25	-1	1	2	3	3	3	-6.75	Medium	1	3	3	1.67	-11.25
Wetlands	Decreased watermake to adjacent wetlands	Decommissioning underground mine infrastructure	Decommissioning	-1	2	3	3	3	3	-8.25	-1	1	1	3	3	3	-6.00	Medium	1	1	1	1.00	-6.00
Environmental Pollution	General environmental pollution	General decommissioning activities	Decommissioning	-1	3	3	3	3	4	-12.00	-1	1	1	3	3	4	-8.00	Medium	2	2	2	1.50	-12.00
Environmental Pollution	General environmental pollution	Infrastructure removal	Decommissioning	-1	3	3	3	3	4	-12.00	-1	1	1	3	3	4	-8.00	Medium	2	2	2	1.50	-12.00
Environmental Pollution	Hydrocarbon spills/contamination	Decommissioning of TSFs	Decommissioning	-1	3	3	3	3	4	-12.00	-1	1	1	3	3	4	-8.00	Medium	2	2	2	1.50	-12.00

IMPACT DESCRIPTION				PRE - MITIGATION							POST - MITIGATION							IMPACT PRIORITISATION					
Aspect	Impact	Activity	Phase	Nature	Extent	Duration	Magnitude	Reversibility	Probability	Pre-Mitigation	Nature	Extent	Duration	Magnitude	Reversibility	Probability	Post-Mitigation	Confidence	Public Response	Cumulative Impact	Irreplaceable Loss	Priority Factor	Final Score
Environmental Pollution	Hydrocarbon spills/contamination	Drilling monitoring boreholes	Decommissioning	-1	3	2	2	2	4	-9.00	-1	1	1	3	3	4	-8.00	Medium	1	2	2	1.33	-10.67
Environmental Pollution	Hydrocarbon spills/contamination	General decommissioning activities	Decommissioning	-1	3	3	3	3	4	-12.00	-1	1	1	3	3	4	-8.00	Medium	2	2	2	1.50	-12.00
Environmental Pollution	Hydrocarbon spills/contamination	Infrastructure removal	Decommissioning	-1	3	3	3	3	4	-12.00	-1	1	1	3	3	4	-8.00	Medium	2	2	2	1.50	-12.00
Environmental Pollution	Hydrocarbon spills/contamination	Decommissioning underground mine infrastructure	Decommissioning	-1	3	3	3	3	4	-12.00	-1	1	1	3	3	4	-8.00	Medium	2	2	2	1.50	-12.00
Environmental Pollution	Sewage spills/contamination	General decommissioning activities	Decommissioning	-1	3	3	3	3	3	-9.00	-1	1	1	3	3	4	-8.00	Medium	2	2	2	1.50	-12.00
Heritage Resources	Destruction/damage of heritage resources	General decommissioning activities	Decommissioning	-1	1	2	4	4	2	-5.50	-1	1	2	3	3	4	-9.00	Medium	1	2	2	1.33	-12.00
Social	Crime and violence	General decommissioning activities	Decommissioning	-1	1	3	2	3	3	-6.75	-1	1	2	2	3	4	-8.00	Medium	3	2	2	1.67	-13.33
Social	Influx of migrant workers	General decommissioning activities	Decommissioning	-1	1	3	2	3	3	-6.75	-1	1	2	2	3	4	-8.00	Medium	3	2	2	1.67	-13.33
Social	Loss of sense of place	General decommissioning activities	Decommissioning	-1	1	3	2	3	3	-6.75	-1	1	2	2	3	4	-8.00	Medium	3	2	2	1.67	-13.33
Social	Relocation	General decommissioning activities	Decommissioning	-1	1	3	2	3	3	-6.75	-1	1	2	2	3	4	-8.00	Medium	3	2	2	1.67	-13.33
Social	Social vices	General decommissioning activities	Decommissioning	-1	1	3	2	3	3	-6.75	-1	1	2	2	3	3	-6.00	Medium	3	2	2	1.67	-10.00
Socio-Economic	Economic growth	General mine management	Decommissioning	1	3	3	3	3	3	9.00	1	1	3	3	3	4	10.00	Medium	3	2	2	1.67	16.67
Socio-Economic	Education, skills development and training	General mine management	Decommissioning	1	3	3	3	3	3	9.00	1	1	3	3	3	4	10.00	Medium	3	2	2	1.67	16.67
Socio-Economic	Employment opportunities	General decommissioning activities	Decommissioning	1	2	3	3	3	3	8.25	1	2	3	3	3	3	8.25	Medium	3	2	2	1.67	13.75
Socio-Economic	Employment opportunities	General mine management	Decommissioning	1	2	3	2	3	3	7.50	1	2	3	3	3	3	8.25	Medium	3	2	2	1.67	13.75
Socio-Economic	Impacts on local farm labour	General mine management	Decommissioning	-1	1	2	4	4	2	-5.50	-1	1	2	3	3	2	-4.50	Medium	3	2	2	1.67	-7.50
Socio-Economic	Loss of jobs and economic opportunities	General mine management	Decommissioning	-1	3	4	4	4	5	-18.75	-1	3	4	3	4	5	-17.50	Medium	3	2	2	1.67	-29.17
Socio-Economic	Impact on livelihoods	General mine management	Decommissioning	-1	1	3	2	3	4	-9.00	-1	1	2	3	3	3	-6.75	Medium	3	2	2	1.67	-11.25

IMPACT DESCRIPTION				PRE - MITIGATION							POST - MITIGATION							IMPACT PRIORITISATION					
Aspect	Impact	Activity	Phase	Nature	Extent	Duration	Magnitude	Reversibility	Probability	Pre-Mitigation	Nature	Extent	Duration	Magnitude	Reversibility	Probability	Post-Mitigation	Confidence	Public Response	Cumulative Impact	Irreplaceable Loss	Priority Factor	Final Score
Health and Safety	Community health and safety	Decommissioning of TSFs	Decommissioning	-1	1	3	2	3	3	-6.75	-1	1	2	2	3	3	-6.00	Medium	3	2	2	1.67	-10.00
Health and Safety	Community health and safety	General decommissioning activities	Decommissioning	-1	1	3	2	3	3	-6.75	-1	1	2	2	3	3	-6.00	Medium	3	2	2	1.67	-10.00
Health and Safety	Community health and safety	General mine management	Decommissioning	-1	1	3	2	3	3	-6.75	-1	1	2	2	3	3	-6.00	Medium	3	2	2	1.67	-10.00
Health and Safety	Community health and safety	Decommissioning underground mine infrastructure	Decommissioning	-1	1	3	2	3	3	-6.75	-1	1	2	3	3	3	-6.75	Medium	3	2	2	1.67	-11.25
Health and Safety	Health impacts	General decommissioning activities	Decommissioning	-1	1	3	2	3	3	-6.75	-1	1	2	3	3	3	-6.75	Medium	3	2	2	1.67	-11.25
Health and Safety	Health impacts	General mine management	Decommissioning	-1	1	3	2	3	3	-6.75	-1	1	2	3	3	3	-6.75	Medium	3	2	2	1.67	-11.25
Transportation, Infrastructure and Traffic	Damage to road infrastructure	Underground mining	Decommissioning	-1	2	4	3	3	3	-9.00	-1	1	2	3	3	3	-6.75	Medium	3	2	2	1.67	-11.25
Visual	Visual impact of mine infrastructure, stockpiles and dust	Decommissioning of TSFs	Decommissioning	-1	1	3	4	3	4	-11.00	-1	1	2	3	3	4	-9.00	Medium	1	1	1	1.00	-9.00
Air Quality	Fugitive emissions (dust)	Decommissioning of TSFs	Decommissioning	-1	1	3	3	3	4	-10.00	-1	1	2	3	3	4	-9.00	Medium	2	1	1	1.17	-10.50
Air Quality	Fugitive emissions (dust)	Drilling monitoring boreholes	Decommissioning	-1	1	3	3	3	4	-10.00	-1	1	2	3	3	4	-9.00	Medium	2	1	1	1.17	-10.50
Air Quality	Fugitive emissions (dust)	General decommissioning activities	Decommissioning	-1	1	3	3	3	4	-10.00	-1	1	2	3	3	4	-9.00	Medium	2	1	1	1.17	-10.50
Air Quality	Fugitive emissions (dust)	Infrastructure removal	Decommissioning	-1	1	3	3	3	4	-10.00	-1	1	2	3	3	4	-9.00	Medium	2	1	1	1.17	-10.50
Air Quality	Greenhouse gas emissions	Decommissioning of TSFs	Decommissioning	-1	1	3	3	3	4	-10.00	-1	1	2	3	3	4	-9.00	Medium	2	1	1	1.17	-10.50
Air Quality	Greenhouse gas emissions	General decommissioning activities	Decommissioning	-1	1	3	3	3	4	-10.00	-1	1	2	3	3	4	-9.00	Medium	2	1	1	1.17	-10.50
Air Quality	Greenhouse gas emissions	Infrastructure removal	Decommissioning	-1	1	3	3	3	4	-10.00	-1	1	2	3	3	4	-9.00	Medium	2	1	1	1.17	-10.50
Air Quality	Greenhouse gas emissions	Decommissioning underground mine infrastructure	Decommissioning	-1	1	3	4	3	4	-11.00	-1	1	2	3	3	4	-9.00	Medium	2	1	1	1.17	-10.50
Noise	Disturbing and/or nuisance noise	Drilling monitoring boreholes	Decommissioning	-1	1	3	4	3	4	-11.00	-1	1	2	3	3	4	-9.00	Medium	2	1	1	1.17	-10.50

Aspect	IMPACT DESCRIPTION			PRE - MITIGATION							Pre-Mitigation	POST - MITIGATION						Post-Mitigation	Confidence	IMPACT PRIORITISATION			Priority Factor	Final Score
	Impact	Activity	Phase	Nature	Extent	Duration	Magnitude	Reversibility	Probability	Nature		Extent	Duration	Magnitude	Reversibility	Probability	Public Response			Cumulative Impact	Irreplaceable Loss			
Noise	Disturbing and/or nuisance noise	General surface rehabilitation	Decommissioning	-1	1	3	4	3	4	-11.00	-1	1	2	3	3	4	-9.00	Medium	2	1	1	1.17	-10.50	
Noise	Disturbing and/or nuisance noise	Re-vegetation	Decommissioning	-1	1	3	4	3	4	-11.00	-1	1	2	3	3	4	-9.00	Medium	2	1	1	1.17	-10.50	
Noise	Disturbing and/or nuisance noise	Storm water management	Decommissioning	-1	1	3	4	3	4	-11.00	-1	1	2	3	3	4	-9.00	Medium	2	1	1	1.17	-10.50	
Noise	Disturbing and/or nuisance noise	Water treatment (when required)	Decommissioning	-1	1	3	4	3	4	-11.00	-1	1	2	3	3	3	-6.75	Medium	2	2	2	1.50	-10.13	
Topography and Land Reform	Alteration of topography	General surface rehabilitation	Rehab and closure	-1	1	3	4	3	4	-11.00	-1	2	2	2	2	3	-6.00	Medium	1	2	2	1.33	-8.00	
Topography and Land Reform	Altered drainage patterns	General surface rehabilitation	Rehab and closure	-1	1	3	4	3	4	-11.00	-1	2	2	2	2	3	-6.00	Medium	1	2	2	1.33	-8.00	
Topography and Land Reform	Altered drainage patterns	Storm water management	Rehab and closure	-1	1	3	3	3	4	-10.00	-1	2	2	2	3	3	-6.75	Medium	1	2	2	1.33	-9.00	
Topography and Land Reform	Soil surface subsidence	Post Closure monitoring and maintenance	Rehab and closure	-1	1	3	3	3	4	-10.00	-1	1	3	3	3	3	-7.50	Medium	1	2	2	1.33	-10.00	
Soils	Soil compaction	Decommissioning of TSFs	Rehab and closure	-1	2	2	3	3	4	-10.00	-1	1	3	3	3	3	-7.50	Medium	2	2	2	1.50	-11.25	
Soils	Soil compaction	General decommissioning activities	Rehab and closure	-1	2	2	2	3	4	-9.00	-1	2	3	3	2	3	-7.50	Medium	2	2	2	1.50	-11.25	
Soils	Soil compaction	Infrastructure removal	Rehab and closure	-1	2	2	3	3	4	-10.00	-1	2	2	3	4	3	-8.25	Medium	2	2	2	1.50	-12.38	
Soils	Soil pollution/contamination	Decommissioning of TSFs	Rehab and closure	-1	2	3	3	4	4	-12.00	-1	2	3	3	4	3	-9.00	Medium	2	2	2	1.50	-13.50	
Soils	Soil pollution/contamination	Infrastructure removal	Rehab and closure	-1	2	3	3	4	4	-12.00	-1	2	3	3	3	3	-8.25	Medium	2	2	2	1.50	-12.38	
Soils	Erosion and sedimentation	Maintenance and operation of site infrastructure and facilities	Rehab and closure	-1	2	3	3	4	4	-12.00	-1	2	3	4	4	3	-9.75	Medium	2	2	2	1.50	-14.63	
Soils	Erosion and sedimentation	Decommissioning of TSFs	Rehab and closure	-1	2	3	3	4	4	-12.00	-1	1	3	3	4	3	-8.25	Medium	2	2	2	1.50	-12.38	
Soils	Erosion and sedimentation	Infrastructure removal	Rehab and closure	-1	2	3	3	4	4	-12.00	-1	1	2	3	4	3	-7.50	Medium	2	2	2	1.50	-11.25	
Land Use	Impacts on services	Water treatment (when required)	Rehab and closure	-1	1	3	2	3	4	-9.00	-1	1	2	3	3	3	-6.75	Medium	2	2	2	1.50	-10.13	
Land Use	Interference with existing land uses	Drilling monitoring boreholes	Rehab and closure	-1	1	3	3	3	3	-7.50	-1	1	2	3	3	3	-6.75	Medium	2	2	2	1.50	-10.13	

IMPACT DESCRIPTION				PRE - MITIGATION							POST - MITIGATION							IMPACT PRIORITISATION					
Aspect	Impact	Activity	Phase	Nature	Extent	Duration	Magnitude	Reversibility	Probability	Pre-Mitigation	Nature	Extent	Duration	Magnitude	Reversibility	Probability	Post-Mitigation	Confidence	Public Response	Cumulative Impact	Irreplaceable Loss	Priority Factor	Final Score
Land Use	Interference with existing land uses	General surface rehabilitation	Rehab and closure	-1	2	3	3	3	3	-8.25	-1	1	2	3	3	4	-9.00	Medium	2	2	2	1.50	-13.50
Land Use	Interference with existing land uses	Storm water management	Rehab and closure	-1	2	3	3	3	3	-8.25	-1	1	2	3	3	4	-9.00	Medium	2	2	2	1.50	-13.50
Fauna and Flora	Displacement of faunal community due to habitat loss, direct mortalities and disturbance (road collisions, noise, dust, vibration and poaching)	Drilling monitoring boreholes	Rehab and closure	-1	2	2	3	3	4	-10.00	-1	2	2	2	3	3	-6.75	Medium	1	2	2	1.33	-9.00
Fauna and Flora	Displacement of faunal community due to habitat loss, direct mortalities and disturbance (road collisions, noise, dust, vibration and poaching)	General surface rehabilitation	Rehab and closure	-1	2	2	3	3	4	-10.00	-1	2	2	2	3	3	-6.75	Medium	2	2	3	1.67	-11.25
Fauna and Flora	Displacement of faunal community due to habitat loss, direct mortalities and disturbance (road collisions, noise, dust, vibration and poaching)	Post closure monitoring and maintenance	Rehab and closure	-1	2	2	3	3	4	-10.00	-1	2	2	2	3	3	-6.75	Medium	2	2	3	1.67	-11.25
Fauna and Flora	Displacement of faunal community due to habitat loss, direct mortalities and disturbance (road collisions, noise, dust, vibration and poaching)	Storm water management	Rehab and closure	-1	2	2	3	3	4	-10.00	-1	2	2	2	3	3	-6.75	Medium	1	2	3	1.50	-10.13
Fauna and Flora	Displacement of faunal community due to habitat loss, direct mortalities and disturbance (road collisions, noise, dust, vibration and poaching)	Water Treatment (when required)	Rehab and closure	-1	2	2	3	3	4	-10.00	-1	2	2	2	3	3	-6.75	Medium	2	2	3	1.67	-11.25
Fauna and Flora	Continued encroachment and displacement of the natural vegetation community due to alien invasive plant species, dust, erosion and edge effects	Drilling monitoring boreholes	Rehab and closure	-1	2	3	3	3	3	-8.25	-1	1	2	3	3	4	-9.00	Medium	1	3	1	1.33	-12.00
Fauna and Flora	Continued encroachment and displacement of the natural vegetation community due to alien invasive plant species, dust, erosion and edge effects	General surface rehabilitation	Rehab and closure	-1	2	3	3	3	4	-11.00	-1	1	2	3	3	4	-9.00	Medium	2	3	1	1.50	-13.50

IMPACT DESCRIPTION				PRE - MITIGATION							POST - MITIGATION							IMPACT PRIORITISATION					
Aspect	Impact	Activity	Phase	Nature	Extent	Duration	Magnitude	Reversibility	Probability	Pre-Mitigation	Nature	Extent	Duration	Magnitude	Reversibility	Probability	Post-Mitigation	Confidence	Public Response	Cumulative Impact	Irreplaceable Loss	Priority Factor	Final Score
Fauna and Flora	Continued encroachment and displacement of the natural vegetation community due to alien invasive plant species, dust, erosion and edge effects	Post closure monitoring and maintenance	Rehab and closure	-1	2	3	3	3	4	-11.00	-1	1	2	3	3	4	-9.00	Medium	2	2	1	1.33	-12.00
Fauna and Flora	Continued encroachment and displacement of the natural vegetation community due to alien invasive plant species, dust, erosion and edge effects	Storm water management	Rehab and closure	-1	2	3	3	3	4	-11.00	-1	1	2	3	3	4	-9.00	Medium	2	2	1	1.33	-12.00
Fauna and Flora	Continued encroachment and displacement of the natural vegetation community due to alien invasive plant species, dust, erosion and edge effects	Water treatment (when required)	Rehab and closure	-1	2	3	3	3	4	-11.00	-1	1	2	3	3	4	-9.00	Medium	2	2	1	1.33	-12.00
Surface Water Resources	Pollution of surface water resources/decreased water quality	Post closure monitoring and maintenance	Rehab and closure	-1	2	3	3	3	3	-8.25	-1	1	2	3	3	3	-6.75	Medium	2	2	1	1.33	-9.00
Surface Water Resources	Pollution of surface water resources/decreased water quality	Re-vegetation	Rehab and closure	-1	2	3	3	3	3	-8.25	-1	1	2	3	3	3	-6.75	Medium	2	2	1	1.33	-9.00
Groundwater	Acid mine drainage	Post closure monitoring and maintenance	Rehab and closure	-1	5	4	5	4	5	-22.50	-1	4	4	4	4	4	-16.00	Medium	2	2	2	1.50	-24.00
Groundwater	Decrease in water quantity/availability	Re-vegetation	Rehab and closure	-1	2	3	3	3	3	-8.25	-1	1	2	3	3	3	-6.75	Medium	2	2	1	1.33	-9.00
Groundwater	Dewatering of groundwater aquifers	General surface rehabilitation	Rehab and closure	-1	2	3	3	3	3	-8.25	-1	1	2	3	3	3	-6.75	Medium	1	2	2	1.33	-9.00
Groundwater	Dewatering of groundwater aquifers	Storm water management	Rehab and closure	-1	2	3	3	3	3	-8.25	-1	1	2	3	3	3	-6.75	Medium	1	2	2	1.33	-9.00
Groundwater	Pollution of groundwater/decreased water quality	Post closure monitoring and maintenance	Rehab and closure	-1	2	3	3	3	4	-11.00	-1	1	2	3	3	3	-6.75	Medium	1	2	2	1.33	-9.00
Groundwater	Pollution of groundwater/decreased water quality	Re-vegetation	Rehab and closure	-1	2	3	3	3	3	-8.25	-1	1	2	3	3	3	-6.75	Medium	1	2	1	1.17	-7.88
Wetlands	Loss and disturbance of wetland habitat	Water treatment (when required)	Rehab and closure	-1	3	4	4	4	4	-15.00	-1	2	2	4	4	4	-12.00	Medium	1	3	3	1.67	-20.00

IMPACT DESCRIPTION				PRE - MITIGATION							POST - MITIGATION							IMPACT PRIORITISATION					
Aspect	Impact	Activity	Phase	Nature	Extent	Duration	Magnitude	Reversibility	Probability	Pre-Mitigation	Nature	Extent	Duration	Magnitude	Reversibility	Probability	Post-Mitigation	Confidence	Public Response	Cumulative Impact	Irreplaceable Loss	Priority Factor	Final Score
Environmental Pollution	Decant from underground workings	Post closure monitoring and maintenance	Rehab and closure	-1	5	4	5	4	5	-22.50	-1	4	4	4	4	4	-16.00	Medium	2	2	3	1.67	-26.67
Environmental Pollution	General environmental pollution	Water treatment (when required)	Rehab and closure	-1	2	3	3	3	4	-11.00	-1	1	1	3	3	3	-6.00	Medium	2	2	2	1.50	-9.00
Environmental Pollution	Hydrocarbon spills/contamination	Drilling monitoring boreholes	Rehab and closure	-1	2	3	3	3	3	-8.25	-1	1	1	3	3	3	-6.00	Medium	2	2	2	1.50	-9.00
Environmental Pollution	Hydrocarbon spills/contamination	General surface rehabilitation	Rehab and closure	-1	2	3	3	3	4	-11.00	-1	1	1	3	3	3	-6.00	Medium	2	2	2	1.50	-9.00
Environmental Pollution	Hydrocarbon spills/contamination	Post closure monitoring and maintenance	Rehab and closure	-1	2	3	3	3	4	-11.00	-1	1	1	3	3	3	-6.00	Medium	2	2	2	1.50	-9.00
Environmental Pollution	Hydrocarbon spills/contamination	Re-vegetation	Rehab and closure	-1	2	3	3	3	4	-11.00	-1	1	1	3	3	3	-6.00	Medium	2	2	2	1.50	-9.00
Environmental Pollution	Hydrocarbon spills/contamination	Storm water management	Rehab and closure	-1	2	3	3	3	4	-11.00	-1	1	1	3	3	3	-6.00	Medium	2	2	2	1.50	-9.00
Environmental Pollution	Hydrocarbon spills/contamination	Water treatment (when required)	Rehab and closure	-1	2	3	3	3	4	-11.00	-1	1	1	3	3	3	-6.00	Medium	2	2	2	1.50	-9.00
Environmental Pollution	Sewage spills/contamination	Water treatment (when required)	Rehab and closure	-1	2	3	3	3	4	-11.00	-1	1	1	3	3	3	-6.00	Medium	2	2	2	1.50	-9.00
Heritage Resources	Destruction/damage of heritage resources	General surface rehabilitation	Rehab and closure	-1	1	2	4	4	2	-5.50	-1	1	2	3	3	2	-4.50	Medium	1	1	2	1.17	-5.25
Heritage Resources	Destruction/damage of heritage resources	Storm water management	Rehab and closure	-1	1	2	4	4	2	-5.50	-1	1	2	3	3	2	-4.50	Medium	1	1	2	1.17	-5.25
Heritage Resources	Destruction/damage of heritage resources	Water treatment (when required)	Rehab and closure	-1	1	1	2	4	2	-4.00	-1	1	2	2	2	2	-3.50	Medium	1	1	1	1.00	-3.50
Heritage Resources	Destruction/damage of palaeontological resources	Water treatment (when required)	Rehab and closure	-1	1	1	2	4	2	-4.00	-1	1	2	2	2	2	-3.50	Medium	1	1	1	1.00	-3.50
Social	Crime and violence	General mine management	Rehab and closure	-1	1	1	2	3	2	-3.50	-1	1	2	1	2	2	-3.00	Medium	3	1	1	1.33	-4.00
Social	Influx of migrant workers	General mine management	Rehab and closure	-1	1	1	2	3	2	-3.50	-1	1	2	1	2	2	-3.00	Medium	3	1	1	1.33	-4.00
Social	Loss of sense of place	General mine management	Rehab and closure	-1	1	1	2	3	2	-3.50	-1	1	2	1	2	2	-3.00	Medium	3	1	1	1.33	-4.00
Social	Loss of sense of place	General mine management	Rehab and closure	-1	1	1	2	3	2	-3.50	-1	1	2	1	2	2	-3.00	Medium	3	1	1	1.33	-4.00
Social	Relocation	General mine management	Rehab and closure	-1	1	1	2	3	2	-3.50	-1	1	2	1	2	2	-3.00	Medium	3	1	1	1.33	-4.00

Aspect	IMPACT DESCRIPTION			PRE - MITIGATION							POST - MITIGATION							IMPACT PRIORITISATION					
	Impact	Activity	Phase	Nature	Extent	Duration	Magnitude	Reversibility	Probability	Pre-Mitigation	Nature	Extent	Duration	Magnitude	Reversibility	Probability	Post-Mitigation	Confidence	Public Response	Cumulative Impact	Irreplaceable Loss	Priority Factor	Final Score
Social	Social vices	General mine management	Rehab and closure	-1	1	1	2	3	2	-3.50	-1	1	2	1	2	2	-3.00	Medium	3	1	1	1.33	-4.00
Socio-Economic	Economic growth	General mine management	Rehab and closure	1	1	1	2	2	3	4.50	1	1	2	1	2	4	6.00	Medium	1	1	1	1.00	6.00
Socio-Economic	Education, skills development and training	General mine management	Rehab and closure	1	1	1	2	2	3	4.50	1	1	2	1	2	4	6.00	Medium	3	1	1	1.33	8.00
Socio-Economic	Employment opportunities	General mine management	Rehab and closure	1	1	1	2	2	4	6.00	1	1	2	1	2	4	6.00	Medium	3	1	1	1.33	8.00
Socio-Economic	Impacts on local farm labour	General mine management	Rehab and closure	-1	1	2	4	4	2	-5.50	-1	1	2	3	3	2	-4.50	Medium	3	1	1	1.33	-6.00
Socio-Economic	Loss of jobs and economic opportunities	General mine management	Rehab and closure	-1	3	4	4	4	5	-18.75	-1	3	4	3	4	5	-17.50	Medium	3	1	1	1.33	-23.33
Socio-Economic	Impact on livelihoods	General mine management	Rehab and closure	-1	1	3	2	3	4	-9.00	-1	1	2	3	3	3	-6.75	Medium	3	1	1	1.33	-9.00
Health and Safety	Community health and safety	General mine management	Rehab and closure	-1	1	3	2	3	4	-9.00	-1	1	2	3	3	3	-6.75	Medium	3	1	1	1.33	-9.00
Health and Safety	Community health and safety	Re-vegetation	Rehab and closure	-1	1	3	2	3	4	-9.00	-1	1	2	3	3	3	-6.75	Medium	3	1	1	1.33	-9.00
Health and Safety	Health Impacts	General mine management	Rehab and closure	-1	1	3	2	3	4	-9.00	-1	1	2	3	3	3	-6.75	Medium	3	1	1	1.33	-9.00
Health and Safety	Health Impacts	Re-vegetation	Rehab and closure	-1	1	3	2	3	4	-9.00	-1	1	2	3	3	3	-6.75	Medium	3	1	1	1.33	-9.00
Visual	Visual impact of mine infrastructure, stockpiles and dust	General surface rehabilitation	Rehab and closure	-1	2	2	2	2	3	-6.00	-1	2	2	2	2	3	-6.00	Medium	1	1	1	1.00	-6.00
Visual	Visual impact of mine infrastructure, stockpiles and dust	Storm water management	Rehab and closure	-1	2	2	2	2	3	-6.00	-1	2	2	2	2	3	-6.00	Medium	1	1	1	1.00	-6.00
Visual	Visual impact of mine infrastructure, stockpiles and dust	Water treatment (when required)	Rehab and closure	-1	2	2	2	3	3	-6.75	-1	2	2	2	2	3	-6.00	Medium	1	1	1	1.00	-6.00
Air Quality	Fugitive emissions (dust)	Drilling monitoring boreholes	Rehab and closure	-1	1	3	2	3	4	-9.00	-1	2	2	2	2	3	-6.00	Medium	2	1	1	1.17	-7.00
Air Quality	Fugitive emissions (dust)	General surface rehabilitation	Rehab and closure	-1	1	3	2	3	4	-9.00	-1	2	2	2	2	3	-6.00	Medium	2	1	1	1.17	-7.00
Air Quality	Fugitive emissions (dust)	Post closure monitoring and maintenance	Rehab and closure	-1	1	3	2	3	4	-9.00	-1	2	2	2	2	3	-6.00	Medium	2	1	1	1.17	-7.00
Air Quality	Fugitive emissions (dust)	Re-vegetation	Rehab and closure	-1	1	3	2	3	4	-9.00	-1	2	2	2	2	3	-6.00	Medium	2	1	1	1.17	-7.00

IMPACT DESCRIPTION				PRE - MITIGATION							POST - MITIGATION							IMPACT PRIORITISATION					
Aspect	Impact	Activity	Phase	Nature	Extent	Duration	Magnitude	Reversibility	Probability	Pre-Mitigation	Nature	Extent	Duration	Magnitude	Reversibility	Probability	Post-Mitigation	Confidence	Public Response	Cumulative Impact	Irreplaceable Loss	Priority Factor	Final Score
Air Quality	Fugitive emissions (dust)	Storm water management	Rehab and closure	-1	1	3	2	3	4	-9.00	-1	2	2	2	2	3	-6.00	Medium	2	1	1	1.17	-7.00
Air Quality	Fugitive emissions (dust)	Water treatment (when required)	Rehab and closure	-1	2	4	4	4	4	-14.00	-1	2	2	2	2	3	-6.00	Medium	2	1	1	1.17	-7.00
Air Quality	Greenhouse gas emissions	Re-vegetation	Rehab and closure	-1	2	4	4	4	4	-14.00	-1	2	2	3	2	3	-6.75	Medium	2	1	1	1.17	-7.88
Air Quality	Greenhouse gas emissions	General surface rehabilitation	Rehab and closure	-1	2	4	4	4	4	-14.00	-1	2	2	3	2	3	-6.75	Medium	2	1	1	1.17	-7.88
Air Quality	Greenhouse gas emissions	Storm water management	Rehab and closure	-1	2	4	4	4	4	-14.00	-1	2	2	3	2	3	-6.75	Medium	2	1	1	1.17	-7.88
Air Quality	Greenhouse gas emissions	Water treatment (when required)	Rehab and closure	-1	2	4	4	4	4	-14.00	-1	2	2	3	2	3	-6.75	Medium	2	1	1	1.17	-7.88