



Identifier	Impact	Alternative	Phase	Event	Pre-Nature	Pre-Extent	Pre-Duration	Pre-Magnitude	Pre-Reversibility	Pre-Probability	Pre-Mitigation Significance Score	Pre-Mitigation Significance	Post-Nature	Post-Extent	Post-Duration	Post-Magnitude	Post-Reversibility	Post-Probability	Post-mitigation Significance Score	Post-Mitigation Significance	Confidence	Cumulative Impact	Irreplaceable loss	Priority Factor	Final score	Final Significance
TB1	Destruction, further loss and fragmentation of the vegetation community	AL2	Construction	Normal operations or events	-1	3	2	3	3	4	-11	Medium to high -	-1	2	2	2	3	4	-9	Medium to high -	High	2	1	1,13	-10,13	Medium to high -
TB2	Introduction of alien species, especially plants	AL2	Construction	Normal operations or events	-1	3	3	3	2	4	-11	Medium to high -	-1	2	2	2	2	3	-6	Medium to low -	High	2	1	1,13	-6,75	Medium to low -
TB3	Erosion due to storm water runoff and wind	AL2	Construction	Normal operations or events	-1	3	3	3	2	3	-8,25	Medium to low -	-1	1	2	2	2	3	-5,25	Medium to low -	High	2	1	1,13	-5,91	Medium to low -
TB4	Displacement of faunal community due to habitat loss, direct mortalities and disturbance (road collisions, noise, light, dust, vibration and poaching).	AL2	Construction	Normal operations or events	-1	3	3	3	3	3	-9	Medium to high -	-1	2	2	2	2	3	-6	Medium to low -	High	2	1	1,13	-6,75	Medium to low -
TB5	Potential leaks, discharges, pollutant from machinery and storage leaching into the surrounding environment.	AL2	Construction	Normal operations or events	-1	3	3	3	3	3	-9	Medium to high -	-1	2	2	2	2	2	-4	Low -	Medium	2	1	1,13	-4,50	Medium to low -
TB6	Continued encroachment of an indigenous vegetation community by alien invasive plant species as well as erosion due to disturbed soils and environmental pollution due to water/ mine drainage runoff	AL2	Operation	Normal operations or events	-1	3	4	3	4	4	-14	High -	-1	2	3	3	3	3	-8,25	Medium to low -	High	2	2	1,25	-10,31	Medium to high -
TB7	Continued displacement and fragmentation of the faunal community due to ongoing anthropogenic disturbances (noise, dust, and vibrations) and habitat degradation/loss (litter, pollution, road mortalities and/or poaching).	AL2	Operation	Normal operations or events	-1	3	4	3	3	3	-9,75	Medium to high -	-1	2	3	2	3	3	-7,5	Medium to low -	High	2	1	1,13	-8,44	Medium to low -
TB8	Potential leaks, discharges, pollutant from sewage pipeline overflowing or leak due to damage spreading into the surrounding environment.	AL2	Operation	Normal operations or events	-1	3	4	3	3	4	-13	Medium to high -	-1	2	3	2	3	3	-7,5	Medium to low -	High	2	2	1,25	-9,38	Medium to high -
TB9	Continued encroachment of an indigenous vegetation community by alien invasive plant species as well as erosion due to disturbed soils and environmental pollution due to water/ mine drainage runoff	AL2	Decommissioning	Normal operations or events	-1	3	2	3	3	4	-11	Medium to high -	-1	2	2	2	3	3	-6,75	Medium to low -	High	2	2	1,25	-8,44	Medium to low -
TB10	Continued displacement and fragmentation of the faunal community due to ongoing anthropogenic disturbances (noise, dust, and vibrations) and habitat degradation/loss (litter, pollution, road mortalities and/or poaching).	AL2	Decommissioning	Normal operations or events	-1	3	3	3	3	3	-9	Medium to high -	-1	2	2	2	2	3	-6	Medium to low -	High	2	1	1,13	-6,75	Medium to low -
W1	Indirect loss, disturbance and degradation of wetlands.	AL2	Construction	Normal operations or events	-1	1	1	3	3	4	-8	Medium to low -	-1	1	1	2	2	3	-4,5	Medium to low -	High	2	2	1,25	-5,63	Medium to low -
W2	Increased bare surfaces, runoff and potential for erosion	AL2	Construction	Normal operations or events	-1	3	2	3	3	3	-8,25	Medium to low -	-1	3	1	2	2	3	-6	Medium to low -	High	2	2	1,25	-7,50	Medium to low -
W3	Degradation of wetland vegetation and the introduction and spread of alien and invasive vegetation	AL2	Construction	Normal operations or events	-1	3	2	3	3	3	-8,25	Medium to low -	-1	2	1	2	2	2	-3,5	Low -	High	2	2	1,25	-4,38	Low -
W4	Increased sediment loads to downstream reaches	AL2	Construction	Normal operations or events	-1	3	2	3	3	3	-8,25	Medium to low -	-1	2	1	2	2	2	-3,5	Low -	High	2	2	1,25	-4,38	Low -
W5	Contamination of wetlands with hydrocarbons due to machinery leaks and eutrophication of wetland systems with human sewerage and other waste.	AL2	Construction	Normal operations or events	-1	3	2	4	3	3	-9	Medium to high -	-1	3	1	3	2	2	-4,5	Medium to low -	High	2	2	1,25	-5,63	Medium to low -



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W6	Alteration of hydrological regime	AL2	Construction	Normal operations or events	-1	3	1	3	3	3	-7,5	Medium to low -	-1	1	1	2	2	2	-3	Low -	High	2	2	1,25	-3,75	Low -
W7	Increased water inputs (clean) to downstream wetlands	AL2	Operation	Normal operations or events	-1	3	4	3	3	4	-13	Medium to high -	-1	2	3	2	2	3	-6,75	Medium to low -	High	2	2	1,25	-8,44	Medium to low -
W8	Improved ecosystem services, notably water quality enhancement	AL2	Operation	Normal operations or events	1	3	4	2	2	3	8,25	Low to medium +	1	3	4	3	1	4	11	Medium to high +	High	2	1	1,13	12,38	Medium to high +
W9	Degradation of wetland vegetation and proliferation of alien and invasive species	AL2	Decommissioning	Normal operations or events	-1	3	3	3	3	3	-9	Medium to high -	-1	2	1	2	2	2	-3,5	Low -	High	2	2	1,25	-4,38	Low -
W10	Disruption of wetland soil profile, hydrological regime and increased sediment loads	AL2	Decommissioning	Normal operations or events	-1	3	2	3	3	3	-8,25	Medium to low -	-1	3	1	2	2	2	-4	Low -	High	2	2	1,25	-5,00	Medium to low -
G1	Soil erosion, compaction and degradation	AL2	Construction	Normal operations or events	-1	3	4	4	3	3	-10,5	Medium to high -	-1	3	2	2	3	2	-5	Medium to low -	High	2	3	1,38	-6,88	Medium to low -
G2	Decrease in subsurface lateral flow and return flow on the environment	AL2	Construction	Normal operations or events	-1	4	4	4	3	4	-15	High -	-1	2	2	3	3	2	-5	Medium to low -	High	2	3	1,38	-6,88	Medium to low -
G3	Soil erosion, compaction and degradation	AL2	Operation	Normal operations or events	-1	2	3	2	3	2	-5	Medium to low -	-1	2	2	2	2	2	-4	Low -	High	2	3	1,38	-5,50	Medium to low -
G4	Decrease in subsurface lateral flow and return flow on the environment	AL2	Operation	Normal operations or events	-1	2	3	2	3	2	-5	Medium to low -	-1	2	2	2	2	2	-4	Low -	High	2	3	1,38	-5,50	Medium to low -
G5	Soil erosion, compaction and degradation	AL2	Decommissioning	Normal operations or events	-1	2	2	2	2	3	-6	Medium to low -	-1	2	2	1	2	2	-3,5	Low -	Low	2	2	1,25	-4,38	Low -
G6	Decrease in subsurface lateral flow and return flow on the environment	AL2	Decommissioning	Normal operations or events	-1	2	2	2	2	3	-6	Medium to low -	-1	2	2	1	2	2	-3,5	Low -	Low	2	2	1,25	-4,38	Low -
G7	Loss of land capability; Soil degradation; soil fertility; Soil compaction; Soil contamination	AL2	Construction	Normal operations or events	-1	2	2	3	3	2	-5	Medium to low -	-1	2	2	2	2	1	-2	Low -	Medium	2	3	1,38	-2,75	Low -
G8	Loss of land capability; Soil degradation; soil fertility; Soil compaction; Soil contamination	AL2	Operation	Normal operations or events	-1	2	3	3	2	3	-7,5	Medium to low -	-1	2	3	2	1	1	-2	Low -	Low	2	3	1,38	-2,75	Low -
G9	Loss of land capability; Soil degradation; soil fertility; Soil compaction; Soil contamination	AL2	Decommissioning	Normal operations or events	-1	2	2	2	3	2	-4,5	Medium to low -	-1	1	2	1	3	2	-3,5	Low -	Low	2	2	1,25	-4,38	Low -
G10	Loss of land capability; Soil degradation; soil fertility; Soil compaction; Soil contamination	AL2	Rehab and Closure	Normal operations or events	-1	1	2	2	2	2	-3,5	Low -	-1	1	1	1	2	1	-1,25	Low -	Low	1	2	1,13	-1,41	Low -
C1	Destruction or displacement of identified LSA single finds	AL2	Construction	Normal operations or events	-1	1	5	1	5	5	-15	High -	-1	1	1	1	1	5	-5	Medium to low -	Medium	2	2	1,25	-6,25	Medium to low -



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C2	Destruction or displacement of identified Iron Age single find	AL2	Construction	Normal operations or events	-1	1	5	1	5	5	-15	High -	-1	1	1	1	1	5	-5	Medium to low -	Medium	2	2	1,25	-6,25	Medium to low -
P1	Impacts on fossil heritage	AL2	Construction	Normal operations or events	-1	2	5	1	5	1	-3,25	Low -	-1	2	5	1	5	1	-3,25	Low -	High	2	1	1,13	-3,66	Low -
S1	Job Creation during Construction	AL2	Construction	Normal operations or events	1	1	1	1	1	4	4	Low +	1	1	1	1	1	4	4	Low +	High	1	1	1,00	4,00	Low +
S2	Job Creation during Operation	AL2	Operation	Normal operations or events	1	1	4	1	1	4	7	Low to medium +	1	1	4	1	1	4	7	Low to medium +	High	1	1	1,00	7,00	Low to medium +