

| IMPACT DESCRIPTION | | PRE - MITIGATION | | | | | | | POST - MITIGATION | | | | | | | IMPACT PRIORITISATION | | | | | |
|--|-----------|------------------|--------|----------|-----------|---------------|-------------|----------------|-------------------|--------|----------|-----------|---------------|-------------|-----------------|-----------------------|-----------------|-------------------|--------------------|-----------------|-------------|
| Impact | 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 |
| Interference with land use | Planning | -1 | 2 | 2 | 4 | 3 | 4 | -11.00 | -1 | 2 | 1 | 2 | 2 | 4 | -7.00 | Medium | 1 | 2 | 1 | 1.17 | -8.17 |
| Safety and security risks to landowners and lawful occupiers | Planning | -1 | 3 | 2 | 4 | 3 | 4 | -12.00 | -1 | 3 | 1 | 2 | 2 | 4 | -8.00 | Medium | 1 | 1 | 2 | 1.17 | -9.33 |
| Interference with land use | Operation | -1 | 2 | 2 | 4 | 3 | 4 | -11.00 | -1 | 2 | 1 | 2 | 2 | 4 | -7.00 | Medium | 1 | 2 | 1 | 1.17 | -8.17 |
| Safety and security risks to landowners and lawful occupiers | Operation | -1 | 3 | 2 | 4 | 3 | 4 | -12.00 | -1 | 3 | 1 | 2 | 2 | 4 | -8.00 | Medium | 1 | 1 | 2 | 1.17 | -9.33 |
| Sense of place | Operation | -1 | 2 | 2 | 2 | 3 | 3 | -6.75 | -1 | 2 | 1 | 2 | 2 | 2 | -3.50 | Medium | 1 | 1 | 1 | 1.00 | -3.50 |
| Damage/disruption of services and existing infrastructure | Operation | -1 | 3 | 2 | 4 | 4 | 4 | -13.00 | -1 | 3 | 1 | 3 | 3 | 2 | -5.00 | Medium | 1 | 2 | 1 | 1.17 | -5.83 |
| Perceptions and expectations | Operation | -1 | 3 | 2 | 3 | 3 | 4 | -11.00 | -1 | 3 | 1 | 2 | 2 | 2 | -4.00 | Medium | 2 | 1 | 1 | 1.17 | -4.67 |
| Job creation | Operation | 1 | 3 | 2 | 2 | 2 | 4 | 9.00 | 1 | 3 | 1 | 3 | 3 | 4 | 10.00 | Medium | 2 | 2 | 1 | 1.33 | 13.33 |
| Discovery of economy viable minerals | Operation | 1 | 5 | 4 | 5 | 5 | 5 | 23.75 | 1 | 5 | 4 | 5 | 5 | 5 | 23.75 | Medium | 1 | 2 | 3 | 1.50 | 35.63 |
| Fugitive emissions (dust) | Operation | -1 | 1 | 1 | 3 | 3 | 3 | -6.00 | -1 | 1 | 1 | 2 | 2 | 2 | -3.00 | Medium | 1 | 1 | 1 | 1.00 | -3.00 |
| Noise | Operation | -1 | 2 | 2 | 3 | 3 | 3 | -7.50 | -1 | 2 | 1 | 2 | 2 | 2 | -3.50 | Medium | 1 | 1 | 1 | 1.00 | -3.50 |
| Disturbance/damage/destruction of cultural, archaeological and heritage features | Operation | -1 | 4 | 4 | 4 | 4 | 4 | -16.00 | -1 | 4 | 4 | 3 | 3 | 2 | -7.00 | Medium | 1 | 2 | 2 | 1.33 | -9.33 |
| Clearance of vegetation | Operation | -1 | 1 | 2 | 4 | 4 | 5 | -13.75 | -1 | 1 | 1 | 3 | 3 | 3 | -6.00 | Medium | 1 | 2 | 1 | 1.17 | -7.00 |
| Habitat loss/destruction for fauna and flora species | Operation | -1 | 3 | 2 | 4 | 4 | 3 | -9.75 | -1 | 3 | 2 | 2 | 2 | 2 | -4.50 | Medium | 1 | 2 | 1 | 1.17 | -5.25 |
| Habitat fragmentation and edge effect | Operation | -1 | 3 | 2 | 4 | 4 | 2 | -6.50 | -1 | 3 | 1 | 2 | 2 | 2 | -4.00 | Medium | 1 | 1 | 1 | 1.00 | -4.00 |
| Loss of species of conservation significance | Operation | -1 | 5 | 2 | 5 | 5 | 4 | -17.00 | -1 | 5 | 2 | 2 | 2 | 2 | -5.50 | Medium | 1 | 2 | 1 | 1.17 | -6.42 |

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|---|-----------------|------------------|--------|----------|-----------|---------------|-------------|----------------|-------------------|--------|----------|-----------|---------------|-------------|-----------------|-----------------------|-----------------|-------------------|--------------------|-----------------|-------------|
| Impact | 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 |
| Introduction of alien species | Operation | -1 | 3 | 2 | 4 | 4 | 4 | -13.00 | -1 | 3 | 1 | 2 | 2 | 2 | -4.00 | Medium | 1 | 2 | 1 | 1.17 | -4.67 |
| Degradation and/or destruction of wetland habitats (BH 1,2,3,5,6) | Operation | -1 | 1 | 2 | 1 | 2 | 3 | -4.50 | -1 | 1 | 1 | 1 | 1 | 2 | -2.00 | High | 1 | 2 | 1 | 1.17 | -2.33 |
| Degradation and/or destruction of wetland habitats (BH 4) | Operation | -1 | 1 | 3 | 4 | 4 | 4 | -12.00 | -1 | 1 | 3 | 4 | 3 | 4 | -11.00 | High | 1 | 2 | 1 | 1.17 | -12.83 |
| Loss of indigenous fauna and flora diversity associated with wetlands | Operation | -1 | 2 | 2 | 2 | 4 | 2 | -5.00 | -1 | 1 | 2 | 1 | 2 | 1 | -1.50 | High | 1 | 2 | 2 | 1.33 | -2.00 |
| Spillage of oils, fuels and chemicals | Operation | -1 | 4 | 2 | 4 | 4 | 3 | -10.50 | -1 | 2 | 2 | 2 | 3 | 2 | -4.50 | Medium | 1 | 2 | 2 | 1.33 | -6.00 |
| Groundwater contamination from surface spills | Operation | -1 | 4 | 2 | 4 | 4 | 3 | -10.50 | -1 | 2 | 2 | 2 | 3 | 2 | -4.50 | Medium | 1 | 2 | 2 | 1.33 | -6.00 |
| Erosion and sedimentation | Operation | -1 | 1 | 2 | 3 | 2 | 3 | -6.00 | -1 | 1 | 1 | 2 | 2 | 2 | -3.00 | Medium | 1 | 2 | 2 | 1.33 | -4.00 |
| Hydrocarbon spills | Operation | -1 | 1 | 2 | 3 | 2 | 3 | -6.00 | -1 | 1 | 2 | 2 | 2 | 2 | -3.50 | Medium | 1 | 2 | 2 | 1.33 | -4.67 |
| Soil compaction | Operation | -1 | 1 | 2 | 3 | 3 | 3 | -6.75 | -1 | 1 | 1 | 2 | 2 | 2 | -3.00 | Medium | 1 | 2 | 2 | 1.33 | -4.00 |
| Soil pollution/contamination | Operation | -1 | 1 | 2 | 3 | 2 | 3 | -6.00 | -1 | 1 | 2 | 2 | 2 | 2 | -3.50 | Medium | 1 | 2 | 2 | 1.33 | -4.67 |
| Contamination of groundwater (water quality and quantity) | Decommissioning | -1 | 4 | 3 | 4 | 4 | 4 | -15.00 | -1 | 3 | 2 | 2 | 2 | 2 | -4.50 | Medium | 1 | 2 | 2 | 1.33 | -6.00 |
| Damage/disruption of services and existing infrastructure | Decommissioning | -1 | 3 | 2 | 4 | 4 | 4 | -13.00 | -1 | 3 | 1 | 3 | 3 | 2 | -5.00 | Medium | 1 | 2 | 1 | 1.17 | -5.83 |
| Fugitive emissions (dust) | Decommissioning | -1 | 1 | 1 | 3 | 3 | 3 | -6.00 | -1 | 1 | 1 | 2 | 2 | 2 | -3.00 | Medium | 1 | 1 | 1 | 1.00 | -3.00 |
| Noise | Decommissioning | -1 | 2 | 2 | 3 | 3 | 3 | -7.50 | -1 | 2 | 1 | 2 | 2 | 2 | -3.50 | Medium | 1 | 1 | 1 | 1.00 | -3.50 |
| Soil instability | Decommissioning | -1 | 1 | 2 | 3 | 3 | 3 | -6.75 | -1 | 1 | 1 | 2 | 2 | 2 | -3.00 | Medium | 1 | 2 | 2 | 1.33 | -4.00 |
| Soil pollution/contamination | Decommissioning | -1 | 1 | 2 | 3 | 2 | 3 | -6.00 | -1 | 1 | 2 | 2 | 2 | 2 | -3.50 | Medium | 1 | 2 | 2 | 1.33 | -4.67 |

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| Impact | 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 |
| Soil instability | Rehab and closure | -1 | 1 | 2 | 3 | 3 | 3 | -6.75 | -1 | 1 | 1 | 2 | 2 | 2 | -3.00 | Medium | 1 | 2 | 2 | 1.33 | -4.00 |
| Soil pollution/contamination | Rehab and closure | -1 | 1 | 2 | 3 | 2 | 3 | -6.00 | -1 | 1 | 2 | 2 | 2 | 2 | -3.50 | Medium | 1 | 2 | 2 | 1.33 | -4.67 |
| Disturbance to communities in the vicinity | Rehab and closure | -1 | 2 | 1 | 2 | 2 | 2 | -3.50 | -1 | 1 | 2 | 2 | 1 | 2 | -3.00 | Medium | 1 | 1 | 1 | 1.00 | -3.00 |
| Genration and disposal of waste | Rehab and closure | -1 | 2 | 3 | 3 | 3 | 3 | -8.25 | -1 | 1 | 2 | 2 | 2 | 2 | -3.50 | Medium | 2 | 1 | 1 | 1.17 | -4.08 |