

IMPACT DESCRIPTION		PRE - MITIGATION							POST - MITIGATION							IMPACT PRIORITISATION					
Impact	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
Destruction of Archaeological Sites or Historic	Construction	-1	2	5	5	5	3	-12,75	-1	2	2	5	5	1	-3,5	High	1	2	2	1,33	-4,67
Impact on graves	Construction	-1	2	5	5	5	3	-12,75	-1	1	2	3	3	1	-2,25	Low	1	2	2	1,33	-3,00
Destruction of Fossil Material	Construction	-1	2	5	5	5	4	-17	-1	1	2	3	3	2	-4,5	Low	1	2	2	1,33	-6,00
Loss/destruction of natural habitat	Construction	-1	1	5	5	5	5	-20	-1	1	5	5	5	2	-8	Medium	1	1	3	1,33	-10,67
Habitat fragmentation and edge effects	Construction	-1	1	5	2	5	2	-6,5	-1	1	5	1	5	1	-3	Medium	1	1	3	1,33	-4,00
Displacement of faunal species	Construction	-1	2	5	1	5	4	-13	-1	2	5	1	5	4	-13	Medium	1	1	1	1,00	-13,00
Blockage of seasonal and dispersal movement	Construction	-1	2	1	1	2	2	-3	-1	2	1	1	2	1	-1,5	Medium	1	1	1	1,00	-1,50
Flora direct & indirect mortality	Construction	-1	2	5	4	3	4	-14	-1	2	3	2	2	2	-4,5	Medium	1	2	3	1,50	-6,75
Protected trees direct & indirect mortality	Construction	-1	2	5	2	3	2	-6	-1	1	2	1	3	1	-1,75	Medium	1	2	1	1,17	-2,04
Fauna direct and indirect mortality	Construction	-1	2	4	4	3	3	-9,75	-1	2	3	3	3	2	-5,5	Medium	1	1	3	1,33	-7,33
Introduction/invasion by alien (non-native) species	Operation	-1	3	4	3	3	4	-13	-1	2	3	1	2	1	-2	High	1	1	3	1,33	-2,67
Contamination of Groundwater	Construction	-1	3	4	4	4	4	-15	-1	2	2	3	3	2	-5	Low	1	2	3	1,50	-7,50
Decreased Water Quality	Construction	-1	3	1	1	2	4	-7	-1	2	1	1	2	1	-1,5	Low	1	1	3	1,33	-2,00
Erosion of Wetlands	Construction	-1	2	1	2	3	3	-6	-1	2	1	1	2	1	-1,5	Medium	1	1	3	1,33	-2,00
Sedimentation	Construction	-1	3	1	3	2	5	-11,25	-1	2	1	1	2	3	-4,5	High	1	1	3	1,33	-6,00
Altered hydrological regime	Construction	-1	3	5	4	4	5	-20	-1	3	5	2	3	3	-9,75	Medium	1	2	3	1,50	-14,63
Erosion of Wetlands	Operation	-1	1	5	4	3	4	-13	-1	2	5	2	2	3	-8,25	Medium	1	1	3	1,33	-11,00
Nutrient enrichment	Construction	-1	3	5	4	4	5	-20	-1	3	5	2	3	3	-9,75	High	2	1	3	1,50	-14,63
Loss/ Disturbance of Topsoil	Construction	-1	2	5	4	3	4	-14	-1	2	3	3	2	2	-5	Low	1	2	2	1,33	-6,67
Reduction in agricultural potential and loss of	Operation	-1	2	5	3	3	3	-9,75	-1	2	3	2	2	2	-4,5	Low	1	2	2	1,17	-5,25
Interference with Existing Land Uses	Construction	-1	2	5	5	5	4	-17	-1	2	3	4	3	2	-6	Low	1	1	2	1,17	-7,00
Nuisance and Impact on Sense of Place	Construction	-1	3	3	4	5	4	-15	-1	2	2	2	3	3	-6,75	Low	1	2	1	1,17	-7,88
Waste management and disposal	Construction	-1	3	4	4	4	5	-18,75	-1	2	2	2	2	2	-4	Low	1	2	2	1,33	-5,33
Safety and security	Construction	-1	3	2	3	3	4	-11	-1	3	2	2	2	3	-6,75	Low	1	2	1	1,17	-7,88
Damage / disruption of services	Construction	-1	3	3	4	3	4	-13	-1	2	1	2	2	2	-3,5	Low	1	2	1	1,17	-4,08
Impact on existing infrastructure	Construction	-1	3	3	4	3	5	-16,25	-1	2	2	3	2	3	-6,75	Low	1	2	1	1,17	-7,88
Perceptions and Expectations	Construction	-1	3	2	3	2	5	-12,5	-1	3	1	2	1	3	-5,25	Low	2	1	1	1,17	-6,13
Employment Opportunities	Construction	1	3	2	3	1	4	9	1	4	2	3	1	5	12,5	Low	1	1	1	1,00	12,50
Opportunities for local contractors and SMEs	Construction	1	3	2	2	1	3	6	1	4	2	2	1	3	6,75	Low	1	1	1	1,00	6,75
Potential in-migration of people	Construction	-1	4	2	3	5	5	-17,5	-1	3	1	2	3	3	-6,75	Low	1	2	1	1,17	-7,88
Potential markets for informal trading	Construction	-1	3	2	3	3	5	-13,75	-1	2	2	1	2	3	-5,25	Low	1	1	1	1,00	-5,25
Impacts on pedestrian and road safety	Construction	-1	3	2	3	4	4	-12	-1	2	1	1	3	2	-3,5	Low	1	1	1	1,00	-3,50
Increase in the spread of diseases	Construction	-1	5	4	4	5	4	-18	-1	3	3	2	5	3	-9,75	Low	1	2	3	1,50	-14,63
Potential effect on tourism and eco-tourism	Construction	-1	4	2	3	3	3	-9	-1	3	2	2	2	2	-4,5	Low	1	2	2	1,33	-6,00
Waste management and disposal	Operation	-1	2	2	3	3	5	-12,5	-1	2	2	2	2	2	-4	Low	1	2	2	1,33	-5,33