



Identifier	Discipline	Impact	Alternative	Phase	Event	Pre-Nature	Pre-Extent	Pre-Duration	Pre-Magnitude	Pre-Reversibility	Consequence	Pre-Probability	Pre-Mitigation Significance	Pre-Mitigation Significance	Post-Nature	Post-Extent	Post-Duration	Post-Magnitude	Post-Reversibility	Consequence2	Post-Probability	Post-mitigation Significance	Post-Mitigation Significance	Final score
AQ1	Environmental	Dust generation		Planning	Normal operations or events	-1	2	1	1	1	-1.25	4	-5	Medium to low -	-1	2	1	1	1		2	-2.5	Low -	-2.50
AQ2	Environmental	Emissions		Operation	Normal operations or events	-1	2	2	2	2	-2	4	-8	Medium to low -	-1	2	2	2	2	-2	3	-6	Medium to low -	-6.00
AQ3	Environmental	Dust generation		Rehab and Closure	Normal operations or events	-1	2	2	2	1	-1.75	3	-5.25	Medium to low -	-1	2	2	2	1	-1.75	2	-3.5	Low -	-3.50
AQ4	Terrestrial	Dust generation		Operation	Normal operations or events	-1	2	1	1	1	-1.25	3	-3.75	Low -	-1	1	1	1	1	-1	2	-2	Low -	-2.25
C1	Heritage & Archaeology	Damage/destruction to known archaeological and heritage material		Construction	Normal operations or events	-1	2	5	2	5	-3.5	4	-14	High -	1	2	5	1	5	3.25	1	3.25	Low +	3.25
C2	Graves	Damage/ destruction/disturbing of known graves		Construction	Normal operations or events	-1	1	5	5	5	-4	5	-20	High -	1	1	5	1	5	3	1	3	Low +	3.00
EH1	Environmental	Habitat degradation		Operation	Normal operations or events	-1	2	2	2	1	-1.75	4	-7	Medium to low -	-1	2	2	1	1	-1.5	2	-3	Low -	-3.00
EH2	Biodiversity & Habitat	Indirect loss, disturbance and degradation of wetlands	Proposed Project	Operation	Normal operations or events	-1	2	2	2	2	-2	3	-6	Medium to low -	-1	1	1	1	1	-1	2	-2	Low -	-2.25
EH3	Water Resources & Dr	Contamination of wetlands with hydrocarbons due to machinery leaks and eutrophication of wetland systems with human sewerage and other waste.	Proposed Project	Operation	Normal operations or events	-1	2	2	2	2	-2	3	-6	Medium to low -	-1	2	1	2	2	-1.75	2	-3.5	Low -	-3.94
EH4	Biodiversity & Habitat	Indirect loss, disturbance and increase in erosion and sedimentation to the receiving systems	Proposed Project	Operation	Normal operations or events	-1	2	2	2	2	-2	3	-6	Medium to low -	-1	1	1	1	1	-1	2	-2	Low -	-2.25
EH5	Terrestrial	Vibration transmission to watercourse		Operation	Abnormal or unplanned events	-1	2	1	2	2	-1.75	3	-5.25	Medium to low -	-1	2	1	1	1	-1.25	2	-2.5	Low -	-2.81
FA1	Environmental	Displacement and increase in mortality of fauna		Operation	Normal operations or events	-1	2	2	3	2	-2.25	3	-6.75	Medium to low -	-1	2	2	3	2	-2.25	3	-6.75	Medium to low -	-6.75
FL1	Biodiversity & Habitat	Degradation of riparian vegetation and the introduction and spread of alien and invasive vegetation	Proposed Project	Operation	Normal operations or events	-1	2	2	2	2	-2	3	-6	Medium to low -	-1	2	1	2	2	-1.75	2	-3.5	Low -	-3.94
FL2	Biodiversity & Habitat	Degradation of wetland vegetation and the introduction and spread of alien and invasive vegetation	Proposed Project	Operation	Normal operations or events	-1	2	2	2	2	-2	3	-6	Medium to low -	-1	2	1	2	2	-1.75	2	-3.5	Low -	-3.94
FL3	Terrestrial	Disturbance of riparian vegetation		Construction	Normal operations or events	-1	2	1	3	2	-2	3	-6	Medium to low -	-1	1	1	2	2	-1.5	2	-3	Low -	-3.75
FL4	Terrestrial	Introduction and spread of alien and invasive vegetation		Construction	Normal operations or events	-1	2	3	3	3	-2.75	3	-8.25	Medium to low -	-1	1	1	2	2	-1.5	2	-3	Low -	-3.75
G1	Environmental	Soil Compaction		Planning	Normal operations or events	-1	2	1	2	2	-1.75	4	-7	Medium to low -	-1	2	1	2	2		2	-3.5	Low -	-3.50
G2	Environmental	Soil Contamination		Operation	Normal operations or events	-1	2	2	1	1	-1.5	3	-4.5	Medium to low -	-1	2	2	1	1	-1.5	2	-3	Low -	-3.00
G3	Environmental	Soil Compaction		Rehab and Closure	Normal operations or events	-1	2	2	2	2	-2	3	-6	Medium to low -	-1	2	2	2	2	-2	2	-4	Low -	-4.00
G4	Palaeontology	Loss of fossil Heritage		Construction	Normal Operation	-1	1	5	5	5	-4	4	-16	High -	-1	1	5	2	2	-2.5	2	-5	Medium to low -	-6.25
G5	Terrestrial	Soil compaction and erosion near watercourses		Construction	Normal operations or events	-1	2	2	2	3	-2.25	3	-6.75	Medium to low -	-1	1	1	2	2	-1.5	2	-3	Low -	-3.75
G6	Terrestrial	Increase in runoff/sediment transport of receiving systems		Construction	Normal operations or events	-1	3	3	3	2	-2.75	3	-8.25	Medium to low -	-1	2	1	2	1	-1.5	2	-3	Low -	-3.75
G7	Terrestrial	Increase in erosion and sedimentation of receiving systems		Operation	Normal operations or events	-1	2	3	3	3	-2.75	3	-8.25	Medium to low -	-1	2	2	2	2	-2	1	-2	Low -	-2.50
GW1	Environmental	Groundwater Borehole Damage		Operation	Normal operations or events	-1	1	5	3	3	-3	3	-9	Medium to high -	-1	1	5	2	3	-2.75	2	-5.5	Medium to low -	-5.50
GW2	Environmental	Groundwater contamination		Operation	Normal operations or events	-1	1	4	3	3	-2.75	3	-8.25	Medium to low -	-1	1	4	2	3	-2.5	2	-5	Medium to low -	-5.00
N1	Environmental	Noise from vibroseis base plates		Operation	Normal operations or events	-1	2	2	3	1	-2	4	-8	Medium to low -	-1	2	2	3	1	-2	4	-8	Medium to low -	-8.00
N2	Terrestrial	Noise disturbance to aquatic/riparian fauna		Operation	Normal operations or events	-1	1	1	1	1	-1	3	-3	Low -	-1	1	1	1	1	-1	2	-2	Low -	-2.25
S1	Social	Security		Planning	Normal operations or events	-1	2	2	2	2	-2	4	-8	Medium to low -	-1	2	2	2	2	-2	3	-6	Medium to low -	-6.00
S2	Environmental	Security		Operation	Normal operations or events	-1	2	3	2	2	-2.25	4	-9	Medium to high -	-1	2	3	2	2	-2.25	3	-6.75	Medium to low -	-6.75
S3	Environmental	Agricultural activities		Operation	Normal operations or events	-1	1	2	3	4	-2.5	5	-12.5	Medium to high -	-1	1	2	3	4	-2.5	2	-5	Medium to low -	-5.00
S4	Social	Local Procurement		Operation	Normal operations or events	1	2	2	1	1	1.5	3	4.5	Low to medium +	1	2	2	1	1	1.5	3	4.5	Low to medium +	4.50
S5	Social	Landowner disruptions		Operation	Normal operations or events	-1	1	2	3	1	-1.75	4	-7	Medium to low -	-1	1	2	3	1	-1.75	3	-5.25	Medium to low -	-5.25
S6	Social	Security		Rehab and Closure	Normal operations or events	-1	2	3	2	2	-2.25	4	-9	Medium to high -	-1	2	3	2	2	-2.25	3	-6.75	Medium to low -	-6.75
S7	Social	Agricultural activities		Rehab and Closure	Normal operations or events	-1	1	2	3	2	-2	4	-8	Medium to low -	-1	1	2	3	2	-2	2	-4	Low -	-4.00
V1	Environmental	Visual alteration		Operation	Normal operations or events	-1	2	2	2	1	-1.75	2	-3.5	Low -	-1	2	2	2	1	-1.75	2	-3.5	Low -	-3.50
W1	Environmental	Hydrogeological alteration		Operation	Normal operations or events	-1	2	2	3	3	-2.5	2	-5	Medium to low -	-1	2	2	3	3	-2.5	1	-2.5	Low -	-2.50
W2	Water Resources & Dr	Impaired water quality due to accidental hydrocarbon spill	Proposed Project	Operation	Normal operations or events	-1	2	2	2	2	-2	3	-6	Medium to low -	-1	2	1	2	2	-1.75	2	-3.5	Low -	-3.94
W3	Terrestrial	Impaired water quality due to accidental hydrocarbon spill		Construction	Abnormal or unplanned events	-1	2	2	2	3	-2.25	3	-6.75	Medium to low -	-1	1	1	2	1	-1.25	1	-1.25	Low -	-1.56