



Identifier	Discipline	Impact	Phase	Event	Pre-Mitigation Significance	Pre-Mitigation Significance	Post-mitigation Significant	Post-Mitigation Significant	Confidence	Cumulative Impact	Irreplaceable loss	Priority Factor	Final score	Final Significance
1		Increased vehicle traffic to survey location	Planning		-6	Medium to low -	-5	Medium to low -	High	1	1	1.00	-5.00	Medium to low -
2		Temporary disturbance of wildlife	Planning		-6	Medium to low -	-4	Low -	High	2	2	1.25	-5.00	Medium to low -
3		Community concerns	Planning		-3	Low -	-3	Low -	High	1	1	1.00	-3.00	Low -
4		Employment opportunities	Planning		6	Low to medium +	6	Low to medium +	High	2	2	1.25	7.50	Medium to low +
5		Soil erosion, compaction, loss of topsoil, soil contamination from spills.	Construction		-12	Medium to high -	-6.75	Medium to low -	High	2	3	1.38	-9.28	Medium to high -
6		Increased runoff, sedimentation of water bodies, potential groundwater contamination, reduced water quality.	Construction		-12	Medium to high -	-6.75	Medium to low -	High	2	2	1.25	-8.44	Medium to low -
7		Dust generation, vehicle emissions, noise pollution.	Construction		-11	Medium to high -	-6.75	Medium to low -	High	3	1	1.25	-8.44	Medium to low -
8		Alteration of drainage patterns.	Construction		-8.25	Medium to low -	-6.75	Medium to low -	High	2	1	1.13	-7.59	Medium to low -
9		Littering.	Construction		-11	Medium to high -	-4	Low -	High	1	1	1.00	-4.00	Low -
10		Community concerns.	Construction		-4.5	Medium to low -	-4	Low -	High	1	1	1.00	-4.00	Low -
11		Employment opportunities.	Construction		8.25	Low to medium +	7.5	Low to medium +	High	2	2	1.25	9.38	Medium to high +
12		Visual impact	Construction		-12	Medium to high -	-6.75	Medium to low -	High	1	1	1.00	-6.75	Medium to low -
13		Anthropogenic disturbances, intentional and/or accidental killing of fauna.	Construction		-15	High -	-7.5	Medium to low -	High	2	2	1.25	-9.38	Medium to high -
14		Fire damage.	Construction		-12	Medium to high -	-4	Low -	High	1	2	1.13	-4.50	Medium to low -
15		Soil salinization, nutrient depletion, soil compaction, pesticide and fertilizer accumulation.	Operation		-14	High -	-5.5	Medium to low -	High	1	2	1.13	-6.19	Medium to low -
16		Soil quality improvement	Operation		-12	Medium to high -	12	Medium to high +	High	3	1	1.25	15.00	High +
17		Erosion.	Operation		-13	Medium to high -	-7.5	Medium to low -	High	1	1	1.00	-7.50	Medium to low -
18		Pesticide drift, dust generation during harvesting, emissions from farm machinery.	Operation		-13	Medium to high -	-9	Medium to high -	High	2	1	1.13	-10.13	Medium to high -
19		Anthropogenic disturbances, intentional and/or accidental killing of fauna.	Operation		-13	Medium to high -	-9	Medium to high -	High	2	2	1.25	-11.25	Medium to high -
20		Contribution to food security	Operation		13	Medium to high +	13	Medium to high +	High	2	2	1.25	16.25	High +
21		Increased agricultural production	Operation		14	High +	14	High +	High	3	2	1.38	19.25	High +
22		Potential for job creation (long-term)	Operation		13	Medium to high +	14	High +	High	2	2	1.25	17.50	High +
23		Potential health risks from pesticide exposure	Operation		-10	Medium to high -	-4	Low -	High	1	1	1.00	-4.00	Low -
24		Increased energy consumption for pumping water.	Operation		-9	Medium to high -	-9	Medium to high -	High	1	2	1.13	-10.13	Medium to high -
25		Visual impact.	Operation		-12	Medium to high -	-7.5	Medium to low -	High	1	1	1.00	-7.50	Medium to low -
26		Fire damage.	Operation		-13	Medium to high -	-4	Low -	High	1	2	1.13	-4.50	Medium to low -
27		Noise nuisance.	Operation		-6.75	Medium to low -	-4.5	Medium to low -	High	1	1	1.00	-4.50	Medium to low -
28		Oil/ fuel spillages causing soil and groundwater contamination.	Operation		-12	Medium to high -	-6	Medium to low -	High	1	2	1.13	-6.75	Medium to low -
29		Littering.	Operation		-12	Medium to high -	-4.5	Medium to low -	High	1	1	1.00	-4.50	Medium to low -
30		Potential for residual contamination, soil compaction.	Rehab and Closure		-10.5	Medium to high -	-7	Medium to low -	High	2	2	1.25	-8.75	Medium to high -
31		Potential for residual contamination of groundwater or surface water.	Rehab and Closure		-10.5	Medium to high -	-7	Medium to low -	High	2	2	1.25	-8.75	Medium to high -
32		Visual.	Rehab and Closure		7	Low to medium +	11	Medium to high +	High	1	1	1.00	11.00	Medium to high +
33	Heritage	Destruction or disturbance of potentially important grave site.	Construction		-17	High -	-2.5	Low -	Medium	1	2	1.13	-2.81	Low -
34	Heritage	Destruction or disturbance of undiscovered below-ground heritage features.	Construction		-7.5	Medium to low -	-3.5	Low -	Medium	1	2	1.13	-3.94	Low -
35	Palaeontology	Loss of fossil Heritage.	Construction		-10.5	Medium to high -	-3	Low -	High	1	3	1.25	-3.75	Low -
36	Biodiversity	Habitat fragmentation, loss of natural vegetation and alien invasion in a CBA1 and CBA2.[1]	Construction		-13	Medium to high -	-9	Medium to high -	Medium	2	2	1.25	-11.25	Medium to high -
37	Biodiversity	Loss of species of conservation concern.	Construction		-16.25	High -	-9	Medium to high -	Medium	2	2	1.25	-11.25	Medium to high -
38	Biodiversity	Surface water contamination from agricultural runoff (nutrients, pesticides).	Operation		-9	Medium to high -	-7.5	Medium to low -	Medium	2	1	1.13	-8.44	Medium to low -
39	Biodiversity	Habitat fragmentation, loss of natural vegetation and alien invasion in a CBA1 and CBA2.	Operation		-14	High -	-11	Medium to high -	Medium	1	2	1.13	-12.38	Medium to high -
40	Biodiversity	Habitat fragmentation, loss of natural vegetation and alien invasion in a CBA1 and CBA2.	Rehab and Closure		-15	High -	-12	Medium to high -	Medium	1	2	1.13	-13.50	Medium to high -