



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	Confidence	Cumulative Impact	Irreplaceable loss	Priority Factor	Final score
1		Increased vehicle traffic to survey location		Planning		-1	2	1	2	1	-1.5	4	-6	Medium to low -	-1	2	1	1	1		4	-5	Medium to low -	High	1	1	1.00	-5.00
2		Temporary disturbance of wildlife		Planning		-1	2	1	2	3	-2	3	-6	Medium to low -	-1	2	1	2	3		2	-4	Low -	High	2	2	1.25	-5.00
3		Community concerns		Planning		-1	3	1	1	1	-1.5	2	-3	Low -	-1	3	1	1	1	-1.5	2	-3	Low -	High	1	1	1.00	-3.00
4		Employment opportunities		Planning		1	4	1	2	1	2	3	6	Low to medium +	1	4	1	2	1	2	3	6	Low to medium +	High	2	2	1.25	7.50
5		Soil erosion, compaction, loss of topsoil, soil contamination from spills.		Construction		-1	2	3	4	3	-3	4	-12	Medium to high -	-1	2	3	2	2	-2.25	3	-6.75	Medium to low -	High	2	3	1.38	-9.28
6		Increased runoff, sedimentation of water bodies, potential groundwater contamination, reduced water quality.		Construction		-1	2	3	4	3	-3	4	-12	Medium to high -	-1	2	3	2	2	-2.25	3	-6.75	Medium to low -	High	2	2	1.25	-8.44
7		Dust generation, vehicle emissions, noise pollution.		Construction		-1	2	3	4	2	-2.75	4	-11	Medium to high -	-1	2	3	2	2	-2.25	3	-6.75	Medium to low -	High	3	1	1.25	-8.44
8		Alteration of drainage patterns.		Construction		-1	2	3	3	3	-2.75	3	-8.25	Medium to low -	-1	2	3	2	2	-2.25	3	-6.75	Medium to low -	High	2	1	1.13	-7.59
9		Littering.		Construction		-1	2	3	4	2	-2.75	4	-11	Medium to high -	-1	2	3	2	1	-2	2	-4	Low -	High	1	1	1.00	-4.00
10		Community concerns.		Construction		-1	3	3	2	1	-2.25	2	-4.5	Medium to low -	-1	3	3	1	1	-2	2	-4	Low -	High	1	1	1.00	-4.00
11		Employment opportunities.		Construction		1	4	3	3	1	2.75	3	8.25	Low to medium +	1	4	3	2	1	2.5	3	7.5	Low to medium +	High	2	2	1.25	9.38
12		Visual impact		Construction		-1	2	3	4	3	-3	4	-12	Medium to high -	-1	2	3	2	2	-2.25	3	-6.75	Medium to low -	High	1	1	1.00	-6.75
13		Anthropogenic disturbances, intentional and/or accidental killing of fauna.		Construction		-1	2	3	4	3	-3	5	-15	High -	-1	2	3	3	2	-2.5	3	-7.5	Medium to low -	High	2	2	1.25	-9.38
14		Fire damage.		Construction		-1	2	3	4	3	-3	4	-12	Medium to high -	-1	2	2	2	2	-2	2	-4	Low -	High	1	2	1.13	-4.50
15		Soil salinization, nutrient depletion, soil compaction, pesticide and fertilizer accumulation.		Operation		-1	2	4	4	4	-3.5	4	-14	High -	-1	2	4	2	3	-2.75	2	-5.5	Medium to low -	High	1	2	1.13	-6.19
16		Soil quality improvement		Operation		-1	2	4	3	3	-3	4	-12	Medium to high -	1	2	5	3	2	3	4	12	Medium to high +	High	3	1	1.25	15.00
17		Erosion.		Operation		-1	2	4	4	3	-3.25	4	-13	Medium to high -	-1	2	4	3	3	-3	3	-9	Medium to high -	High	1	2	1.13	-10.13
18		Pesticide drift, dust generation during harvesting, emissions from farm machinery.		Operation		-1	2	4	4	3	-3.25	4	-13	Medium to high -	-1	2	4	3	3	-3	3	-9	Medium to high -	High	2	1	1.13	-10.13
20		Contribution to food security		Operation		1	5	4	3	1	3.25	4	13	Medium to high +	1	5	4	3	1	3.25	4	13	Medium to high +	High	2	2	1.25	16.25
21		Increased agricultural production		Operation		1	4	4	4	2	3.5	4	14	High +	1	4	4	4	2	3.5	4	14	High +	High	3	2	1.38	19.25
22		Potential for job creation (long-term)		Operation		1	4	4	4	1	3.25	4	13	Medium to high +	1	4	4	4	2	3.5	4	14	High +	High	2	2	1.25	17.50
23		Potential health risks from pesticide exposure		Operation		-1	1	4	3	2	-2.5	4	-10	Medium to high -	-1	1	4	2	1	-2	2	-4	Low -	High	1	1	1.00	-4.00
24		Increased energy consumption for pumping water.		Operation		-1	1	4	2	2	-2.25	4	-9	Medium to high -	-1	1	4	2	2	-2.25	4	-9	Medium to high -	High	1	2	1.13	-10.13
25		Visual impact.		Operation		-1	2	4	3	3	-3	4	-12	Medium to high -	-1	2	4	2	2	-2.5	3	-7.5	Medium to low -	High	1	1	1.00	-7.50
26		Fire damage.		Operation		-1	2	4	4	3	-3.25	4	-13	Medium to high -	-1	2	2	2	2	-2	2	-4	Low -	High	1	2	1.13	-4.50
27		Noise nuisance.		Operation		-1	2	4	2	1	-2.25	3	-6.75	Medium to low -	-1	2	4	2	1	-2.25	2	-4.5	Medium to low -	High	1	1	1.00	-4.50
28		Oil/ fuel spillages causing soil and groundwater contamination.		Operation		-1	2	4	3	3	-3	4	-12	Medium to high -	-1	2	4	3	3	-3	2	-6	Medium to low -	High	1	2	1.13	-6.75
29		Littering.		Operation		-1	2	4	3	3	-3	4	-12	Medium to high -	-1	2	4	2	1	-2.25	2	-4.5	Medium to low -	High	1	1	1.00	-4.50
30		Potential for residual contamination, soil compaction.		Rehab and Closure		-1	2	5	3	4	-3.5	3	-10.5	Medium to high -	-1	2	5	3	4	-3.5	2	-7	Medium to low -	High	2	2	1.25	-8.75
31		Potential for residual contamination of groundwater or surface water.		Rehab and Closure		-1	2	5	3	4	-3.5	3	-10.5	Medium to high -	-1	2	5	3	4	-3.5	2	-7	Medium to low -	High	2	2	1.25	-8.75
32		Visual.		Rehab and Closure		1	2	5	4	3	3.5	2	7	Low to medium +	1	2	5	2	2	2.75	4	11	Medium to high +	High	1	1	1.00	11.00
33	Heritage	Destruction or disturbance of potentially important grave site.		Construction		-1	4	5	3	5	-4.25	4	-17	High -	-1	1	1	2	1	-1.25	2	-2.5	Low -	Medium	1	2	1.13	-2.81
34	Heritage	Destruction or disturbance of undiscovered below-ground heritage features.		Construction		-1	1	5	4	5	-3.75	2	-7.5	Medium to low -	-1	1	1	2	3	-1.75	2	-3.5	Low -	Medium	1	2	1.13	-3.94
35	Palaeontology	Loss of fossil Heritage.		Construction		-1	1	5	3	5	-3.5	3	-10.5	Medium to high -	-1	1	5	1	5	-3	1	-3	Low -	High	1	3	1.25	-3.75
36	Biodiversity	Habitat fragmentation, loss of natural vegetation and alien invasion in a CBA1 and CBA2 (original pivot layout)		Construction		-1	3	4	3	3	-3.25	5	-16.25	High -	-1	1	4	2	3	-2.5	3	-7.5	Medium to low -	High	2	1	1.13	-8.44
37	Biodiversity	Habitat fragmentation, loss of natural vegetation and alien invasion in a CBA1 and CBA2 (alternative pivot layout)		Construction		-1	2	4	2	3	-2.75	3	-8.25	Medium to low -	-1	1	3	2	2	-2	3	-6	Medium to low -	High	2	1	1.13	-6.75
38	Biodiversity	Habitat fragmentation, loss of natural vegetation and alien invasion in a CBA1 and CBA2 (original pivot layout)		Operation		-1	3	4	3	3	-3.25	5	-16.25	High -	-1	1	4	2	3	-2.5	3	-7.5	Medium to low -	High	2	1	1.13	-8.44
39	Biodiversity	Habitat fragmentation, loss of natural vegetation and alien invasion in a CBA1 and CBA2 (alternative pivot layout)		Operation		-1	2	4	2	3	-2.75	3	-8.25	Medium to low -	-1	1	3	2	2	-2	3	-6	Medium to low -	High	2	1	1.13	-6.75
40	Biodiversity	Loss of species of conservation concern (original pivot layout).		Construction		-1	2	4	4	3	-3.25	5	-16.25	High -	-1	2	4	3	3	-3	4	-12	Medium to high -	High	2	1	1.13	-13.50
41	Biodiversity	Loss of species of conservation concern (alternative pivot layout).		Construction		-1	1	4	3	3	-2.75	3	-8.25	Medium to low -	-1	1	4	2	3	-2.5	3	-7.5	Medium to low -	High	1	1	1.00	-7.50
42	Biodiversity	Loss of species of conservation concern (original pivot layout).		Operation		-1	2	4	4	3	-3.25	5	-16.25	High -	-1	2	4	3	3	-3	4	-12	Medium to high -	High	2	1	1.13	-13.50
43	Biodiversity	Loss of species of conservation concern (alternative pivot layout).		Operation		-1	1	4	3	3	-2.75	3	-8.25	Medium to low -	-1	1	4	2	3	-2.5	3	-7.5	Medium to low -	High	1	1	1.00	-7.50
44	Biodiversity	Anthropogenic Disturbances, Intentional and/or accidental killing of fauna (original pivot layout).		Construction		-1	1	3	1	2	-1.75	3	-5.25	Medium to low -	-1	1	3	1	2	-1.75	2	-3.5	Low -	High	2	1	1.13	-3.94
45	Biodiversity	Anthropogenic Disturbances, Intentional and/or accidental killing of fauna (alternative pivot layout).		Construction		-1	1	3	2	2	-2	2	-4	Low -	-1	1	3	1	2	-1.75	2	-3.5	Low -	High	1	1	1.00	-3.50
46	Biodiversity	Anthropogenic Disturbances, Intentional and/or accidental killing of fauna (original pivot layout).		Operation		-1	1	3	1	2	-1.75	3	-5.25	Medium to low -	-1	1	3	1	2	-1.75	2	-3.5	Low -	High	2	1	1.13	-3.94
47	Biodiversity	Anthropogenic Disturbances, Intentional and/or accidental killing of fauna (alternative pivot layout).		Operation		-1	1	3	2	2	-2	2	-4	Low -	-1	1	3	1	2	-1.75	2	-3.5	Low -	High	1	1	1.00	-3.50
48	Biodiversity	Sedimentation, contamination and disruption of freshwater ecosystems (original pivot layout).		Construction		-1	3	4	2	2	-2.75	2	-5.5	Medium to low -	-1	2	3	2	2	-2.25	2	-4.5	Medium to low -	High	1	1	1.00	-4.50
49	Biodiversity	Sedimentation, contamination and disruption of freshwater ecosystems (alternative pivot layout).		Construction		-1	2	4	2	2	-2.5	2	-5	Medium to low -	-1	1	3	2	2	-2	2	-4	Low -	High	1	1	1.00	-4.00
50	Biodiversity	Sedimentation, contamination and disruption of freshwater ecosystems (original pivot layout).		Operation		-1	3	4	2	2	-2.75	2	-5.5	Medium to low -	-1	2	3	2	2	-2.25	2	-4.5	Medium to low -	High	1	1	1.00	-4.50
51	Biodiversity	Sedimentation, contamination and disruption of freshwater ecosystems (alternative pivot layout).		Operation		-1	2	4	2	2	-2.5	2	-5	Medium to low -	-1	1	3	2	2	-2	2	-4	Low -	High	1	1	1.00	-4.00