

IMPACT DESCRIPTION		Pre-Mitigation							Post Mitigation						
Identifier	Impact	Nature	Extent	Duration	Magnitude	Reversibility	Probability	Pre-mitigation ER	Nature	Extent	Duration	Magnitude	Reversibility	Probability	Post-mitigation ER
C1	Degradation of surface water quality- sedimentation and siltation	-1	3	3	4	3	4	-13	-1	3	3	3	3	3	-9
C2	Degradation of surface water quality- decant into surface water.	-1	4	5	4	5	5	-22.5	-1	3	5	3	5	4	-16
C3	Surface water quality impacts due to removal of infrastructure- e.g. hydrocarbon spills etc.	-1	4	2	3	4	3	-9.75	-1	3	2	3	4	2	-6
C4	Alteration to surface runoff flow volumes	-1	4	5	3	5	3	-12.75	-1	3	5	2	5	2	-7.5
C5	Groundwater deterioration due to decant	-1	4	5	4	5	5	-22.5	-1	4	4	4	5	3	-12.75
C6	Hydraulic head recovery (water level rebound)	1	3	5	3	3	4	14							0
C7	Contaminated seepage from waste deposits- contamination plume.	-1	4	4	4	4	4	-16	-1	3	2	3	3	2	-5.5
C8	Potential release of contamination from decommissioning of waste management facilities (incl PCD liners and sediments).	-1	4	5	4	4	5	-21.25	-1	2	2	2	4	2	-5
C9	Degradation in riverine/wetland Present Ecological Status	-1	3	4	3	4	4	-14	-1	2	2	2	3	3	-6.75
C10	Subsidence potential impacts on catchment morphology	-1	3	4	4	4	4	-15	-1	2	3	2	3	4	-10
C11	Decline in air quality: dust	-1	1	2	3	3	3	-6.75	-1	1	2	2	3	3	-6
C12	Decline in air quality: combustion of carbonaceous materials	-1	5	4	3	4	5	-20	-1	5	4	2	4	2	-7.5
C13	Erosion of topsoil's	-1	2	3	4	3	4	-12	-1	2	3	3	3	3	-8.25
C14	Loss of land capability and agricultural land:	-1	2	4	4	3	5	-16.25	-1	2	3	3	3	3	-8.25
C15	Loss of soil fertility through direct disturbance and contamination	-1	2	3	3	4	4	-12	-1	1	2	2	2	2	-3.5
C16	Long-term deterioration of cover through erosion and poor agricultural / land-use practice	-1	2	4	3	3	3	-9	-1	2	4	3	3	2	-6
C17	Loss of certain biodiversity sensitive areas	-1	4	4	3	5	4	-16	-1	3	4	3	5	3	-11.25
C18	Spread and/or establishment of alien and/or invasive species	-1	3	4	4	4	4	-15	-1	2	3	3	2	3	-7.5
C19	Displacement, direct mortalities, and disturbance of faunal community	-1	3	3	3	3	3	-9	-1	2	2	3	3	2	-5
C20	Further loss/ destruction of natural habitat	-1	2	4	3	4	3	-9.75	-1	1	4	2	4	2	-5.5
C21	Increase in noise levels at surrounding receptors	-1	3	2	4	5	3	-10.5	-1	3	2	2	5	2	-6
C22	Net employment impacts	1	3	2	2	4	4	11	1	3	4	2	4	4	13
C23	Risk of vandalism and illegal mining.	-1	2	4	4	3	3	-9.75	-1	2	2	2	3	2	-4.5
C24	Public safety from open voids and adits	-1	2	5	5	5	4	-17	-1	2	2	5	5	2	-7
C25	Safety and security for neighbouring properties (theft, vandalism, etc)	-1	3	2	4	4	3	-9.75	-1	3	2	3	4	2	-6
C26	Disturbance/ destruction of historic buildings or sites; graves	-1	2	5	2	2	2	-5.5	-1	2	2	2	2	1	-2
C27	surface subsidence and /or sinkhole formation and resultant direct and indirect impacts.	-1	4	4	5	5	4	-18	-1	2	3	3	4	4	-12