

Consequence Rank	4 Topography / Geomorphology	5 Landscape Character / Visual Amenity	6 Geology & Soils	7 Land Use and Infrastructure	8 Land Contamination	9 Sensitive Environmental Areas	10 Terrestrial Flora
Catastrophic	Long term (> 20 years) or permanent disruption to and/or change in geomorphological processes OR Permanent negative impact on topography visible at regional scale.	The Project would have a negative impact causing stress to 50% of the regional population, land devaluation or public outcry.	One or more active landslip occurs as a result of construction. Large scale engineering remedial measures required to stabilise movement. Able to be reinstated within 2-5 years.	Irreparable changes/ damage to infrastructure rendering unable to operate without any suitable replacement. Permanent loss of an irreplaceable land use.	Off-site release leading to long term (>10years) environmental damage. Remediation works in terms of years.	Permanent impact on all sensitive environmental areas (as defined by legislation) across the catchment or a recovery period greater than 20 years.	Permanent impact on a significant species or community (as defined by legislation) over the catchment leading to extinction or a recovery period greater than 20 years.
Major	Long-term (10-15 years) topographic or geomorphological impact. No change in the general characteristics of the geomorphological system or topography.	The Project would be visible at a regional scale and would be perceived to have some degree of negative impact. While the landscape character would experience changes, the broader region would maintain its general visual outlook. Mitigation measures would be able to alleviate some of the negative impacts.	One or more active landslip occurs as a result of construction. Large scale engineering remedial measures required to stabilise movement. Able to be reinstated within 1-2 years.	Long term (extending over several years or more) changes to land uses and infrastructure within the local surrounding areas.	Off-site release leading to short to medium term environmental damage. Remediation in terms of months.	Impact on sensitive environmental areas (as defined by legislation) within the catchment or a recovery period 15 -10 years.	Permanent impact on a significant species or community (as defined by legislation) at a population scale leading to extinction or a recovery period greater than 10-20 years.
Moderate	Short term (5 -10 years) geomorphological or topographic impact extending locally beyond the originating disturbance.	The Project would be visible at a local community scale. Negative visual impacts would be minimal and would be sufficiently mitigated.	A single active landslip that could be reinstated within 12 months.	Short term (extending from a number of weeks to months) changes to land uses and infrastructure with changes to future use. Impacts extending to local neighbouring towns however able to be rectified within a few days.	Offsite release, no significant impact (as defined under legislation). Remediation in terms of weeks.	Impact on all sensitive environmental areas (as defined by legislation) across the catchment or a recovery period 5 to 10 years.	Permanent impact on a significant species or community (as defined by legislation) at a population scale not leading to extinction however requiring management intervention for recovery period greater than 5-10 years.
Minor	Temporary geomorphological or topographic impact not extending beyond the originating disturbance.	The Project would be visible at a local community scale and may draw limited community concern.	Minor instability occurs as a result of construction (creep / rock falls). Reinstatement possible during construction.	Temporary or short-term changes to land use and infrastructure with changed rectified within a few hours.	Onsite release no environmental harm (as defined under legislation) . Remediation in terms of days.	Temporary changes to a sensitive environmental area. Impact is present but not to the extent that it would impair a sensitive environmental area.	Impact is present but not to the extent that it would impair a flora species or community. OR Temporary changes, which would be within the range of natural variation for the species or community.
Insignificant	No measureable geomorphological or topographic impact at the site or beyond the site of the occurrence	The Project would not be visible, or if it is visible, then not to an extent that would draw concern. There are no changes to the landscape character of the environment as a result of the Project.	No measurable occurrence of slope instability as a result of construction.	Negligible impacts on land use and infrastructure.	Onsite release, containable with unmeasurable damage.	No or negligible impact on a sensitive environmental area or if impact is present, then not to an extent that would draw concern from regulatory authorities.	No or negligible impact on flora species or community or if impact is present, then not to an extent that would draw concern from regulator authorities

Consequence Rank	11 Terrestrial Fauna	12 Aquatic Flora	13 Aquatic Fauna	14 Surface Water		15 Groundwater	16 Surface Water Quality
				Hydrology	Fluvial Geomorphology		
Catastrophic	Permanent impact on a significant species or habitat (as defined by legislation) over the catchment leading to extinction or a recovery period greater than 20 years.	Permanent impact on a significant species or community (as defined by legislation) over the catchment leading to extinction or a recovery period greater than 20 years.	Permanent impact on a significant species or habitat (as defined by legislation) over the catchment leading to extinction or a recovery period greater than 20 years.	Hydrologic impact causing long term disruption to water supply or flow regime change leading to "significant impact" (as defined by legislation) on catchment scale.	Long-term (> 20 years) or permanent disruption to geomorphic system. Impacting on the length, grade and dimensions of the river and possible the receiving stream.	Increase in potentiometric surface causes irreversible damage. Lowering water table causes irreversible damage	Permanent negative alteration of water quality from background. Impacts far reaching beyond the originating disturbance.
Major	Permanent impact on a significant species or habitat (as defined by legislation) at a population scale leading to extinction or a recovery period greater than 10-20 years.	Permanent impact on a significant species or community (as defined by legislation) at a population scale leading to extinction or a recovery period greater than 10-20 years.	Permanent impact on a significant species or habitat (as defined by legislation) at a population scale leading to extinction or a recovery period greater than 10-20 years.	Long-term hydrologic impact with changes to the flow regime and/or water resource access. No change in the general characteristics of the hydrologic system.	Long-term (10-20 years) geomorphic impact affecting length of the river / tributary. No change in the general characteristics of the geomorphological system	Increase in potentiometric surface causes damage that is reducible in impact within 10 years. Lowering water table causes irreversible damage that is reducible in impact within 10 years	Long-term (>12months) negative alteration of water quality from background. Impacts extending locally beyond the originating disturbance.
Moderate	Permanent impact on a significant species or community (as defined by legislation) at a population scale not leading to extinction however requiring management intervention for recovery period greater than 5-10 years.	Permanent impact on a significant species or community (as defined by legislation) at a population scale not leading to extinction however requiring management intervention for recovery period greater than 5-10 years.	Permanent impact on a significant species or habitat (as defined by legislation) at a population scale not leading to extinction however requiring management intervention for recovery period greater than 5-10 years.	Short-term hydrologic impact with changes to the flow regime and/or water resource access. No change in the general characteristics of the hydrologic system.	Short term (5-10 years) geomorphic impact extending locally beyond the originating disturbance. Impacting on a reach scale. Impact equivalent to channel changes associated with flood event up to bank flow leading to sediment erosion, transport and deposition	Increase in potentiometric surface causes a measureable impact that naturally adjust in several years . Lowering water table causes a measureable impact that naturally adjust in several years	Long-term (<12months) negative alteration of water quality from background. Impacts extending locally beyond the originating disturbance.
Minor	Impact is present but not to the extent that it would impair a species or habitat. Temporary changes, which would be within the range of natural variation for the species or community.	Impact is present but not to the extent that it would impair a flora species or community. OR Temporary changes, which would be within the range of natural variation for the species or community.	Impact is present but not to the extent that it would impair a species or habitat. OR Temporary changes, which would be within the range of natural variation for the species or community.	Temporary hydrologic impact with changes to the flow regime and/or water resource access, impacts not extending beyond the originating disturbance.	Temporary geomorphological impact not extending beyond the originating disturbance. Impact equivalent to natural processes recurring several times per year	Increase in potentiometric surface causes a measureable shift, however no negative impact occurs. Lowering water table causes a measureable impact shift, however no negative impact occurs	Temporary alteration of water quality from background. Impacts not extending beyond originating disturbance.
Insignificant	No or negligible impact on species or habitat or if impact is present, then not to an extent that would draw concern from regulator authorities	No or negligible impact on flora species or community or if impact is present, then not to an extent that would draw concern from regulator authorities	No or negligible impact on species or habitat or if impact is present, then not to an extent that would draw concern from regulator authorities	No measurable hydrologic change.	No measurable geomorphological impact at the site or beyond the site of the occurrence	No measurable change to the groundwater system occurs	No statistically relevant changes to water quality from background.

Consequence Rank	17 Air Quality	19 Noise and Vibration	20 Waste	21 Traffic and Transport	23 Non-Indigenous Cultural Heritage	24 Social	26 Hazard and Risk
Catastrophic	Permanent or long term (> 6 months) air quality exceedances extending outside of Project area, generating widespread community complaints and/or health impacts and/or regional economic loss.	Permanent or long term (> 6 months) noise/vibration impacts extending outside of Project area, generating widespread community complaints and/or health impacts and/or regional economic loss. OR permanent vibration damage to multiple properties.	Off-site release, long term (> 1 year) environmental damage. Remediation in terms of years.	Traffic and transport impact with permanent access loss to state transport infrastructure assets.	Accidental irreparable damage to/destruction of highly valued items or places of cultural significance.	Irreparable damage to/destruction of highly valued items or places of social significance, or complete breakdown of social order.	Impact on environmental values over a wide area (e.g. at the scale of the Dawson River catchment) Impact results in the extinction of a population or community Recovery periods of greater than 20 years likely Multiple worker fatalities
Major	Long term (>1 month air quality exceedances extending outside of Project area, generating widespread community complaints or health impacts or local economic loss.	Long term (>1 month noise/vibration impacts extending outside of Project area, generating widespread community complaints or health impacts OR local economic loss OR reversible vibration damage to one property.	Off-site release, long term (>1 year) environmental damage. Remediation in terms of months	Long term (>1 year) traffic and transport impact with changes to the traffic flows, transport systems and access within the local surrounding areas.	Irreparable damage to/destruction of part of a highly valued item or place of cultural significance.	Serious social issues/ temporary cease of systems functioning. Positive and enduring impact on social environment and quality of life.	Significant impact (as defined by legislation) on environmental values within the Project area or to a species or community on a population scale. May lead to a local extinction. Recovery periods of 10 - 20 years are likely. Single worker fatality.
Moderate	Short term (in terms of weeks) air quality impact (taking > 1 day to rectify) with complaints received from multiple sources.	Short term (in terms of weeks) noise/vibration impact (taking > 1 day to rectify) with complaints received from multiple sources.	Off-site release, short-term (<6 months) environmental damage. Remediation in terms of weeks	Short term (<6 months) traffic and transport impacts with changes to the traffic and transport network, impacts extending to local neighbouring towns (rectified within a few days).	Reparable damage to an item or place of cultural significance.	Social issues and/or damage to places or items of significance (as defined by community). Social environment altered but systems continue to function. Improvement to social environment or quality of life for affected people.	Significant impact (as defined under legislation) on environmental values extending locally or to a species or community, but not on a population scale. Would not lead to an extinction at any scale. Recovery periods of 5 - 10 years anticipated. Long term medical or health issue.
Minor	Temporary or short term (in terms of days) air quality impact (rectified within a few hours if a complaint received).	Temporary or short term (in terms of days) noise or vibration impact (rectified within a few hours if a complaint received).	Onsite release no offsite damage. Remediation in terms of days.	Temporary or short term (in terms of days) traffic and transport impact with changes to the traffic flow and transport network (rectified within a few hours).	Temporary loss of access to items or places of cultural significance.	Changes to the social environment, which are easily reversible over time. Improvement to quality of life and/or social functioning.	Impact is present but not to the extent that it would impair the overall environmental values, population or community. Changes would be within the range of natural variation for the values, species or community. Short term medical or health issue.
Insignificant	No air quality complaints.	No noise or vibration complaints.	Onsite release, containable with minimal damage.	Negligible impact to the traffic and transport networks.	Temporary impairment of the availability or accessibility of places or items of cultural significance.	Negligible impacts on the local population, repairable over time. Temporary impairment of the Negligible improvement to quality of life and/or the social environment.	No impact or, if impact is present, then not to an extent that would draw concern from a reasonable No impact on the overall condition of the environment. Minor medical treatment.