

Environmental Factor	Valued Components	Proposal stage	Activity	Pathway	Potential Impact	Likelihood rating	Assumptions, avoidance and mitigation	Residual Impact rating	Risk rating	Certainty rating
Terrestrial ecosystems	Terrestrial Fauna	Construction	Vegetation clearing and removal	Vegetation clearing and ground disturbance	Direct mortality of fauna species	Certain	CEMP prepared prior to commencement of works, to include: Pre-clearing survey prior to commencement of vegetation clearing to identify any fauna habitats to be removed during clearing works, this includes large hollow-bearing trees. A vegetation clearing procedure will be included in the CEMP. Fauna spotter catcher on site during vegetation clearing works (as deemed required).	Minor	Low	High
Terrestrial ecosystems	Terrestrial Fauna	Construction	Vegetation clearing and removal	Introduction or spread of weeds and/or pests	Direct loss of threatened flora	Possible	CEMP prepared prior to commencement of works, to include: Standard weed hygiene measures (i.e. weed/pest inspections for all equipment prior to arrival on site)	Minor	Moderate	High
Terrestrial ecosystems	Terrestrial Fauna	Construction	Vegetation clearing and removal	Dust and noise	Direct loss of threatened flora	Likely	CEMP prepared prior to commencement of works, in accordance with the DIPL <i>standard specification for environmental management 2.0</i> and will include: Noise management in accordance with the NT Noise Management Framework Guideline. Construction activities will be limited to standard construction hours, any deviation from these hours will be communicated to the community prior to commencement. Dust magement, including the use of dust supression measures to minimise dust during construction.	Minor	Low	High
Terrestrial ecosystems	Terrestrial Fauna	Construction	Vegetation clearing and removal	Dust and noise	Habitat degradation	Likely	CEMP prepared prior to commencement of works, in accordance with the DIPL <i>standard specification for environmental management 2.0</i> and will include: Noise management in accordance with the NT Noise Management Framework Guideline. Construction activities will be limited to standard construction hours, any deviation from these hours will be communicated to the community prior to commencement. Dust magement, including the use of dust supression measures to minimise dust during construction.	Minor	Low	High
Terrestrial ecosystems	Terrestrial Fauna	Construction	Importation of rock and fill material	Introduction or spread of weeds and/or pests	Loss of threatened species habitat	Possible	Fill and soil extracted from existing gravel pits on Bathrust Island, previously used for other subdivision developments at Wurrumiyanga.	Minor	Low	High
Terrestrial ecosystems	Terrestrial Fauna	Construction	Importing goods, materials & equipment	Introduction or spread of weeds and/or pests	Loss of threatened species habitat	Possible	All materials and goods to be delivered via the Port, and are applicable to all standard custom and hygiene checks prior to delivery on site.	Minor	Low	High
Terrestrial ecosystems	Vegetation and habitats	Construction	Vegetation clearing and removal	Vegetation clearing and ground disturbance	Loss of threatened species habitat	Certain	15.25 ha of vegetation to be removed.	Minor	Low	High
Terrestrial ecosystems	Vegetation and habitats	Construction	Vegetation clearing and removal	Introduction or spread of weeds and/or pests	Direct loss and degradation of vegetation and habitat	Possible	CEMP prepared prior to commencement of works, to include: Standard weed hygiene measures (i.e. weed/pest inspections for all equipment prior to arrival on site)	Minor	Low	High

Environmental Factor	Valued Components	Proposal stage	Activity	Pathway	Potential Impact	Likelihood rating	Assumptions, avoidance and mitigation	Residual Impact rating	Risk rating	Certainty rating
Terrestrial ecosystems	Vegetation and habitats	Construction	Importation of rock and fill material	Introduction or spread of weeds and/or pests	Direct loss and degradation of vegetation and habitat	Possible	Fill and soil extracted from existing gravel pits on Bathurst Island, previously used for other subdivision developments at Wurrumiyanga. • Undertake pre, post and during construction weed control across all sites. • Maintain weed quarantine through a high level of hygiene on plant and equipment between proposed development sites. • Rehabilitate exhausted or closed gravel pits to minimise weeds, soil erosion and water ponding.	Minor	Low	High
Terrestrial ecosystems	Vegetation and habitats	Construction	Importing goods, materials & equipment	Introduction or spread of weeds and/or pests	Habitat and vegetation degradation from spread of weeds and/or imported pests	Possible	All materials and goods to be delivered via the Port, and are applicable to all standard custom and hygiene checks prior to delivery on site.	Minor	Low	High
Terrestrial ecosystems	Vegetation and habitats	Construction	Vegetation clearing and removal	Changes in fire regimes and increased human activity	Habitat degradation	Likely	CEMP prepared prior to commencement of works, to include works to be only undertaken within the proposed development area.	Minor	Low	High
Terrestrial ecosystems	Significant vegetation - hollow-bearing	Construction	Vegetation clearing and removal	Vegetation clearing and ground disturbance	Direct loss of significant vegetation	Certain	CEMP prepared prior to commencement of works, to include: Pre-clearing survey prior to commencement of vegetation clearing to identify any fauna habitats to be removed during clearing works. A vegetation clearing procedure will be included in the CEMP.	Minor	Low	High
Terrestrial ecosystems	Threatened fauna	Construction	Vegetation clearing and removal	Vegetation clearing and ground disturbance	Direct mortality of threatened fauna	Possible	CEMP prepared prior to commencement of works, to include: Pre-clearing survey prior to commencement of vegetation clearing to identify any fauna habitats to be removed during clearing works. Fauna spotter catcher on site during vegetation clearing works (as deemed required). A vegetation clearing procedure will be included in the CEMP.	Minor	Low	High
Terrestrial ecosystems	Threatened flora	Construction	Vegetation clearing and removal	Vegetation clearing and ground disturbance	Direct loss and degradation of threatened species habitat	Certain	Significant impact assessment for threatened flora undertaken and determined the risk of significant impacts to threatened flora is low.	Minor	Moderate	High
Terrestrial ecosystems	Threatened flora	Construction	Vegetation clearing and removal	Vegetation clearing and ground disturbance	Direct loss of threatened flora	Certain	<i>Typhonium mirabile</i> and Darwin Cycads are present in the proposal area, and the wider Bathurst Island. Significant impact assessment was conducted on both species, the assessment determined that the impact to clearing the 15.25 ha is not expected to significantly impact the species populations on Bathurst Island. This is based on the known extensive presence of the species outside the proposal area.	Minor	Moderate	High
Terrestrial ecosystems	Terrestrial Fauna	Residential land use	Increased human presence	Residential land use	Loss of threatened species habitat	Certain	Open space maintenance	Minor	Low	High
Terrestrial ecosystems	Terrestrial Fauna	Residential land use	Increased human presence	Introduction or spread of weeds and/or pests	Loss of threatened species habitat	Certain	Weed management plan for open spaces and management of the subdivision.	Minor	Low	High
Community and economy	Refer to social screening spreadsheet									