

Queensland Government home > For Queenslanders > Environment, land and water > Plants and animals > Plants > Regional ecosystems > Regional ecosystem descriptions > Regional ecosystem details for 12.2.12

## Regional ecosystem details for 12.2.12

Regional ecosystem	12.2.12
Vegetation Management Act class	Least concern
Wetlands	Palustrine
Biodiversity status	No concern at present
Subregion	9, 4, 8, (10)
Estimated extent <sup>1</sup>	Pre-clearing 14000 ha; Remnant 2021 11000 ha
Short description	Closed heath on seasonally waterlogged sand plains
Structure code	Closed Heath
Description	Closed or wet heath +/- stunted emergent shrubs/low trees. Characteristic shrubs include Banksia spp. (especially B. robur) Boronia falcifolia, Epacris spp., Baeckea frutescens, Schoenus brevifolius, Leptospermum spp., Hakea actites, Melaleuca thymifolia, M. nodosa, Xanthorrhoea fulva with Baloskion spp. and Sporadanthus spp. in ground layer. Occurs on poorly drained Quaternary coastal dunes and sandplains. Low part of sand mass coastal landscapes where water collects from both overland flow and infiltration from adjoining sand dunes. Palustrine. (BVG1M: 29a).

Vegetation communities in this regional ecosystem include:

12.2.12a: *Empodisma minus*, *Machaerina rubiginosa*, *Epacris microphylla* closed heathland

with emergent low shrubs of *Leptospermum liversidgei*. Occurs on Poorly drained Quaternary coastal dunes and sandplains. Low part of sand mass coastal landscapes where water collects from both overland flow and infiltration from adjoining sand dunes. Palustrine. (BVG1M: 29a).

12.2.12b: *Xanthorrhoea fulva* wet heathland. Occurs on Poorly drained Quaternary coastal dunes and sandplains. Low part of sand mass coastal landscapes where water collects from both overland flow and infiltration from adjoining sand dunes. Palustrine. (BVG1M: 29a).

Supplementary description	Ryan, T.S. (ed.) (2012); Bean et al. (1998), C6, C7
Protected areas	Great Sandy NP, Burrum Coast NP, Noosa NP, Bribie Island NP, Deepwater NP, Eurimbula NP, Mount Coolum NP, Naree Budjung Djara NP, Currimundi Lake (Kathleen McArthur) CP, Pine Ridge CP, Littabella NP, Eurimbula RR, Noosa CP, Great Sandy RR, Cooloola (Noosa)
Special values	<p>12.2.12: Habitat for threatened plant species including <i>Blandfordia grandiflora</i>, <i>Acacia baueri</i> and near threatened species including <i>Boronia rivularis</i>, <i>Durringtonia paludosa</i>. Habitat for threatened fauna including the ground parrot <i>Pezoporus wallicus wallicus</i>.</p> <p>12.2.12a: Habitat for threatened plant species including <i>Blandfordia grandiflora</i>, <i>Acacia baueri</i> and near threatened species including <i>Boronia rivularis</i>, <i>Durringtonia paludosa</i>. Habitat for threatened fauna including the ground parrot <i>Pezoporus wallicus wallicus</i>.</p> <p>12.2.12b: Habitat for threatened species including <i>Blandfordia grandiflora</i>, <i>Acacia baueri</i> and near threatened species including <i>Boronia rivularis</i>, <i>Durringtonia paludosa</i>. Habitat for threatened fauna including the ground parrot <i>Pezoporus wallicus wallicus</i>.</p>
Fire management guidelines	<p>SEASON: Late summer to winter. INTENSITY: Moderate (to high; due to the inherent characteristics of highly flammable vegetation). INTERVAL: 4-8 years preferred. Vary intervals across space and time to cater for a range of species, e.g. intervals of 1-3 and 8-12 years. INTERVAL_MIN: 1. INTERVAL_MAX: 12. STRATEGY: Aim for a burn mosaic of 40-80%. Ensure planned burn conditions are conducive to maintaining integrity of the landscape (i.e., use good soil moisture, recent rainfall and standing water on the ground). Consider burning progressively as landscape dries out in the same burn season/or across years. Assess regeneration after first growing season and for the next 4 years post-fire to ensure <i>Melaleuca</i> seedlings and lignotubers are not becoming overabundant. ISSUES: The 4-8 year age class for this vegetation type is typically highly productive for shrub flowering and fruiting and provide resources for dependent fauna, such as the ground parrot. Provision of 1-3 and 8-12 year age classes in the landscape nevertheless diversify habitat for a wider range of species. Longer fire intervals of 8-12 years may be desirable if there is a need to counteract the detrimental impacts of a high intensity fire over 100% of landscape. Short intervals are favoured by species such as tiny wattle <i>Acacia baueri</i>, Christmas bells <i>Blandfordia grandiflora</i> and long intervals by wedding bush <i>Ricinocarpus pinifolius</i>, small-leaved geebung <i>Persoonia virgata</i>.</p>
Comments	12.2.12: Subject to high rate of clearing for urbanisation south of Noosa; the RE is considered to be endangered in this area. 12.2.12a: Subject to high rate of clearing for urbanisation south of Noosa; the RE is considered to be endangered in this area. 12.2.12b:

Subject to high rate of clearing for urbanisation south of Noosa; the RE is considered to be endangered in this area.

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<sup>1</sup> Estimated extent is from version 13.1 pre-clearing and 2021 remnant regional ecosystem mapping. Figures are rounded for simplicity. For more precise estimates, including breakdowns by tenure and other themes see [remnant vegetation in Queensland](https://www.qld.gov.au/environment/plants-animals/plants/ecosystems/remnant-vegetation/) ( <https://www.qld.gov.au/environment/plants-animals/plants/ecosystems/remnant-vegetation/> ).

## Access vegetation management regional ecosystem descriptions

The Queensland Herbarium REDD lookup tool searches for information on regional ecosystems for a range of planning and management applications. If you're looking for vegetation management information you can use the vegetation management regional ecosystems description database ([VM REDD](https://www.qld.gov.au/environment/land/management/vegetation/maps/regional-ecosystems-lookup) ( <https://www.qld.gov.au/environment/land/management/vegetation/maps/regional-ecosystems-lookup> ))

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Last updated 10 November 2025

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