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Regional ecosystem details for 12.9-10.1

## Regional ecosystem details for 12.9-10.1

Regional ecosystem	12.9-10.1
Vegetation Management Act class	Of concern
Wetlands	Not a Wetland
Biodiversity status	Of concern
Subregion	9, 4, (7)
Estimated extent <sup>1</sup>	Pre-clearing 10000 ha; Remnant 2021 4000 ha
Short description	Tall open forest often with <i>Eucalyptus resinifera</i> , <i>E. grandis</i> , <i>E. robusta</i> and <i>Corymbia intermedia</i> on sedimentary rocks, usually coastal
Structure code	Tall Open Forest
Description	<p>Tall open forest. Canopy species include <i>Eucalyptus resinifera</i>, <i>E. grandis</i>, <i>E. robusta</i>, <i>Corymbia intermedia</i> +/- <i>E. microcorys</i>, <i>Melaleuca quinquenervia</i>, <i>Syncarpia glomulifera</i> subsp. <i>glomulifera</i> and <i>Lophostemon confertus</i>. Occurs on Cainozoic and Mesozoic sediments. Not a Wetland. (BVG1M: 8a).</p> <p>Vegetation communities in this regional ecosystem include:</p> <p>12.9-10.1x1: Tall shrubby open forest. Canopy species include <i>Eucalyptus resinifera</i>, <i>E. grandis</i>, <i>E. robusta</i>, <i>Corymbia intermedia</i> +/- <i>E. microcorys</i>, <i>Melaleuca quinquenervia</i>, <i>Syncarpia glomulifera</i> subsp. <i>glomulifera</i> and <i>Lophostemon confertus</i>. Occurs on coastal</p>

remnant Tertiary surfaces +/- Cainozoic and Mesozoic sediments. Not a Wetland. (BVG1M: 8a).

Supplementary description	Bean et al. (1998), D3
Protected areas	Tewantin NP, Great Sandy NP, Noosa NP, Eumundi CP, Eudlo Creek NP, Harry Spring CP, Maroochy Wetlands CP
Special values	12.9-10.1: Habitat for threatened plant species including <i>Boronia keysii</i> . This ecosystem is known to provide suitable habitat for koalas ( <i>Phascolarctos cinereus</i> ). 12.9-10.1x1: Habitat for threatened plant species including <i>Boronia keysii</i> , <i>Xanthostemon oppositifolius</i> , <i>Archidendron lovelliae</i> , <i>Macrozamia pauli-guilielmi</i> .
Fire management guidelines	SEASON: Summer to winter. INTENSITY: Plan for low to moderate. Unplanned occasional high intensity wildfire will occur. INTERVAL: 4-8 years maintains a healthy grassy system. 8-20 years for shrubby elements of understorey. INTERVAL_MIN: 4. INTERVAL_MAX: 20. STRATEGY: Aim for 40-60% mosaic burn. Needs disturbance to maintain RE structure (eucalypt overstorey with open understorey of predominantly non-rainforest species). ISSUES: Frequent fire is needed to maintain understorey integrity, keeping more mesic species low in the profile of the understorey so that other species can compete. A grassy system is especially important for species such as the eastern bristlebird and its habitat. It is essential that wildfires are not the sole source of fire in this ecosystem. High intensity fires occur periodically through time, however frequent low to moderate intensity fires will create the disturbance required to keep the understorey diverse. A follow-up burn soon after a high intensity wildfire can be considered to reduce germinating/resprouting mesic species.
Comments	12.9-10.1: Restricted to wet coastal lowlands of the Sunshine Coast from Eudlo to Como. Subject to increasing pressure from rural subdivision. 12.9-10.1x1: Restricted to wet coastal lowlands north of Noosa. Subject to increasing pressure from rural subdivision.

<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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