Organisational Procedures ENCROACHMENTS

Corporate Plan Reference:	Theme 1: Environment
	Objective 1.3: Fund and deliver Coastal Foreshore and Coastal Hazard Management Plans to protect and enhance coastal and foreshore areas
	Objective 1.5: Deliver expanded vegetation networks, rehabilitation, and habitat across the Shire
	Key Actions: Complete and implement Encroachments into Public Land policy.
Endorsed by Council:	12 th of June 2023
Procedure Owner:	Manager Environment Services

CONTENTS

PROCEDURES BACKGROUNDPROCEDURES BACKGROUND	2
PURPOSE	
SCOPE	
REVIEW	3
DRGANISATIONAL PROCEDURES	3
Encroachments into all Council-managed land	3
Land Register Notations	4
Encroachments in Council-managed bushland	
Encroachment recovery in Council-managed bushland	4
Recovery areas in Council-managed bushland	4
Relevant documents and procedures to recovery areas in Council-managed bushland	5
Communications and notices in Council-managed bushland	5
Project planning for recovery areas in Council-managed bushland	
Revegetation of recovery areas in Council-managed bushland	
Revegetation maintenance in recovery areas in Council-managed bushland	
Works monitoring in recovery areas in Council-managed bushland	
BOA monitoring of recovery areas in Council-managed bushland	8
Encroachments in Council-managed roads and parks	9
Exemptions for private gardening and landscaping in road verges	10
Road Verge and Park Garden Plant Species Guide	14
Encroachment Risk Assessment	22
RELEVANT LEGISLATION AND POLICY	25

PROCEDURES BACKGROUND

These procedures should be read in conjunction with Council's Encroachments Policy. How the community treats Council-managed land can affect how well the land functions from a safety and environmental perspective and how it presents in terms of scenic amenity and character. Managing unauthorised encroachments in Council-managed land has become a high priority for Council.

Encroachments are common across Council managed land, such as roads (in particular, verges), esplanade areas, parks, reserves and other managed areas, and the problem is increasing. Encroachments include removing or otherwise interfering with vegetation, deposition of fill, dumping rubbish, yard extensions, private infrastructure and paths, materials storage, and unauthorised planting, landscaping, and improvements.

Encroachments can threaten the health and safety, biodiversity, and ecological integrity of natural bushland areas, waterways, and beaches. They pose a strategic risk to Council's status as an internationally recognised Biosphere Reserve and impact liveability. Encroachments reduce Council's ability to manage bushfire risk effectively and undermine the ecological values of Councilmanaged land.

Part 2 of Local Law 1, together with Part 3A of Local Law 4, set rules for protecting vegetation on Council-controlled areas and roads. Fines may be imposed for offences, to compensate for the lost or diminished value of vegetation interfered with, and the cost of rectifying any damage caused.

Road verges are a fundamental feature of suburban areas. They provide many public services, including safe thoroughfare for pedestrians, access for service personnel, and visibility for pedestrians, drivers, and cyclists. They also facilitate the location, delivery, and maintenance of essential public services such as utilities, lighting, transport facilities, and waste collection.

Plantings on these urban road verges can be critical contributors to Noosa's natural look and feel, providing wildlife habitat, and helping cool our urban landscapes. Many urban and rural residential property owners take pride in maintaining their adjacent verge, including mowing the lawn, planting gardens and landscaping. However, some of these gardens and landscaping activities can cause risk to verge users, hinder the delivery of public services and/or have a negative impact on the environment.

There is also increased community concern about encroachments in Council-managed land, and a desire for a clear and consistent approach by Council to manage encroachments.

PURPOSE

The purpose of these Organisational Procedures and Council's Encroachments Policy is to provide a consistent, transparent, and effective position statement on encroachments in Council-managed land. This will help guide community use and management of Council-managed land and encourage practices that meet community expectations, protect social and environmental values, and manage risk and liability.

SCOPE

The procedures cover all land under Council's care, control, and management, regardless off tenure, including Council freehold, roads and esplanade areas, State reserve land and other State land, and public land in tidal areas and waterways.

The procedures do not apply to State-managed lands such as National Parks, or to private land.

REVIEW

This document will be reviewed once per Council term (every four years), or as required.

ORGANISATIONAL PROCEDURES

Encroachments into all Council-managed land

- Council will prepare and deliver user friendly guides to local residents to assist their understanding and management of verges and other adjacent Council-managed land.
- No works will be undertaken within Council-managed land without the appropriate Council approvals or exemptions.
- Each encroachment will be assessed by Council officers using the Encroachment Risk Assessment Matrix.
- Encroachment response, enforcement action, and remedial action may be ranked or prioritised by Council using the Matrix scoring.
- An encroachment will be considered low risk only when it scores 17 or less and is not found to be medium, high, or extreme risk in any section of the Matrix.
- Council need not advance enforcement or remedial action where an historic encroachment presents as low risk against the Matrix.
- Council will advance enforcement or remedial action, in accordance with Table 4: General
 guidance for action after encroachment risk assessment, upon new encroachments, and
 upon historic encroachments that present as medium, high, or extreme risk against the
 Matrix.
- Where there is sufficient evidence for enforcement action, Council may ask the property owner for a financial contribution that covers the Council costs of recovering the encroachment. Costs will be determined by a site-specific encroachment recovery rehabilitation plan developed by Council. The owner contribution will be used to implement the recovery plan.
- Where there is sufficient evidence for enforcement action and the property owner does not agree to contribute to the cost of recovering the encroachment without Local Law enforcement, Council may:
 - a) take **enforcement** action and seek both fines and encroachment recovery costs.
 - b) determine the most appropriate course of action.
- Where there is insufficient evidence for enforcement action, Council will develop and implement an encroachment recovery plan at its own cost.
- Council will remove encroachments for which nobody claims ownership or responsibility (and where Council possesses no, or insufficient evidence of ownership or responsibility) if the expense of removal and recovery will be insignificant or will be substantially less than pursuing legal action.

Land Register Notations

Where Council officers identify an encroachment in Council-managed land from an adjoining lot, e.g. a yard or garden extension, or a rock wall or retaining wall, the existence of the encroachment and the details of any enforcement action taken or intended should be placed upon Council's land register.

Encroachments in Council-managed bushland

- General and targeted communication about the values of Council managed bushland, the impacts of encroachments, and how to be a good bushland neighbour is typically the first step in addressing new and existing encroachments.
- Encroachments in Council managed bushland shall be rehabilitated to the mapped remnant or pre-clearing Regional Ecosystem (RE), (see Vegetation Management Act 1999 definition) or another target RE if determined by Council to be an appropriate response to climate change or changes to strata or hydrology.
- The bushfire risk mitigation measure identified for that location under the Noosa Bushland Reserve Strategic Fire Management Plan 2021 shall be incorporated into encroachment assessment and recovery. Council adopts a risk management approach with bushland reserve fire management.
- Encroachment recovery may include returning soil and geological composition, chemical and pH profiles, substrates, ground levels, contours, and hydrology back to original conditions.
- Encroachment recovery shall be documented, planned, and implemented consistent with Council's Noosa Environment Strategy 2019 Implementation Plan, Bushland Reserves Strategic Management Plan 2021 – 2026, Bushland Reserve Strategic Fire Management Plan 2021 and this procedure.
- Measures to address encroachments may include screens, fencing, signs, and other infrastructure, especially where the encroachment is widely visible or to fulfil an environmental function or environmental service.

Encroachment recovery in Council-managed bushland

Recovery areas in Council-managed bushland

- Identify and incorporate the bushfire risk mitigation measures identified for given locations under the Noosa Bushland Reserve Strategic Fire Management Plan 2021 – 2026 into the encroachment assessment, planning and recovery.
- Group neighbouring recovery areas wherever possible, as larger rehabilitation areas offer better regeneration and resilience opportunities and material and labour economies of scale.
 - Where a single encroachment area (e.g. by being a new or increasing encroachment or with other triggers) triggers an enforcement or recovery process, start the recovery process for adjacent encroachment or edge effect areas, and include in the planning and recovery rehabilitation.
 - Where no specific triggers apply, plan, and implement larger recovery block areas that incorporate multiple encroachment and edge areas.
 - Where cost recovery applies, identify the materials, labour days and costs associated with that specific encroachment area within the larger recovery area and plan, but apply the applicable reduced \$/m² costs of larger rehabilitations.

- Include contiguous edge areas not directly affected by encroachments.
- Tie recovery area rehabilitation into adjacent or nearby rehabilitation activities and environmental values.
- Use natural and practical features to determine recovery area and management area boundaries wherever possible, such as creeks, flow lines and tracks.

Relevant documents and procedures to recovery areas in Council-managed bushland

Noosa Encroachment Policy 2023

Noosa Environment Strategy 2019

Noosa Bushland Reserve Strategic Fire Management Plan 2021 – 2026, which identifies the bushfire risk and Fire Risk Mitigation Measures (FRMM) for shared boundaries.

Noosa Bushland Reserves Strategic Management Plan 2021–2026, which sets Council's policy and strategy for Council-managed bushland in accordance with legislation and Noosa Council's vision.

Reserve Management Plans apply only to very significant reserves or groups of reserves, usually with lots of environmental and/or social values, complex land use and management activities.

Ecological Restoration Plans interpret these documents for ground level implementation in Noosa Bushland Reserves. They guide on ground and site-specific activities of Council, contractors, and community members to achieve best-practice ecological restoration.

Work plans identify the specific areas and activities to be undertaken during a specific program timeframe, usually one year or less, typically for the financial year.

Bushland Operational Assessment (BOA) is resilience-based condition mapping, identifying areas with good and poor resilience and their degrading impacts, developed to inform natural area restoration and management.

Applicability of relevant documents and procedures to recovery in Council-managed bushland

Where a Reserve Management Plan, Ecological Restoration Plan and/or BOA applies, ensure the recovery rehabilitation plan recognises, implements and/or complements the values, management considerations, restoration targets and management activities in these documents.

Communications and notices in Council-managed bushland

- Prior to planned staged recovery, start a "be a good neighbour" and information delivery campaign. Where recovery projects are triggered by events, start delivery as soon as possible.
- Where recovery or encroachment enforcement is occurring, send removal period timeline notices to the owners of adjacent properties. Outline time available for private removal of goods and materials. After this time Council will remove remaining goods and materials.

Project planning for recovery areas in Council-managed bushland

- Mark the reserve boundary onsite. Survey the boundary if it is unclear.
- Examine contaminated land and other relevant registers for contamination and referable materials such as asbestos. In response to a positive result or if contamination or referable

materials are found later, develop, and implement a site-based contamination and referable materials management plan in consultation with Noosa Council's Waste team.

- Contamination/illegal dumping of referable materials should be referred to Noosa Council's Waste team for clean-up and the Queensland Department of Environment and Science for investigation.
- Review the local and strategic values for the area via the reserve planning documents or download environmental and vegetation management reports. Incorporate values and related Council and other organisation strategies into the recovery rehabilitation plan.
- Assess existing BOAs for the area, complete a partial or full BOA if needed to inform restoration. Identify any patches of native resilience or highly invasive weeds like broad leaf paspalum, Singapore daisy or glory lily.
- Allocate the bushfire risk mitigation measure area and determine appropriate treatment to meet the area's requirements.
- Using the BOA information, treatment type, and natural and practical features such as creeks, flow lines and tracks, break the recovery area into management areas.
- The following is to be entered into a Management Areas activities table as per the site's Ecological Restoration Plan.
 - Allocate the recovery area restoration target(s) and schedule for each management area as per the reserve planning documents. Restoration targets are to comply with, and work towards, conservation, estate, and reserve management aims and objectives.
 - Specific RE: This is typically the current or past mapped RE, informed and refined by on-ground observation of natural recruitment and vegetation in or next to the zone, nearby areas of the same geology and RE.
 - Functionality descriptions: e.g. protective edge, slope stability, sustainable bat camp. This is only used where the area protects the reserve better or has another significant environmental benefit that significantly outweighs the benefit of the area being restored to the original RE.
 - Alternative RE or changed land use/functionality description: Where the substrate has been modified (e.g. changed hydrology, pH, fill levels, chemical profiles) to the point that a past RE is no longer possible, a new RE can be allocated. This must be a local RE that is feasible within the new opportunities and constraints the changed substrate offers. In some cases, these may overlap with functionality/land use change opportunities.
 - Allocate the overarching treatment type(s) for each management area they are to comply with, and work towards, conservation estate and reserve management aims and objectives.
 - Assisted Natural Regeneration: Skilled bush regenerators and land managers using weed control and other vegetation management methods to rehabilitate an area, using bush regeneration principles and techniques.
 - Revegetation: Used only where assisted or natural regeneration won't achieve outcomes. All species typical of target RE and in site-specific palette. All works and maintenance to protect and encourage any existing or new natural recruitment and genetic material. Be specific in area and type.

- Minor infill specific revegetation: < 7.5% cover. e.g. a habitat/resource for a significant species, increase population of a significant species or increase layer diversity (allocate percentage).
- Minor infill revegetation: < 7.5% cover (allocate percentage).
- Moderate infill revegetation: >7.6% < 49.9% cover (allocate percentage).
- Revegetation: > 50% cover (allocate percentage).
- Using the information from the reserve and recovery area specific BOA(s) and from on-site
 observation, describe each of the management areas. Include a general description in
 conservation and reserve terms, briefly describe general management considerations and
 concerns and highlight any very urgent issues.
- Using the information from the general and recovery area specific BOA(s) and from on-site observation, describe the management activities, including;
 - o consultation with stakeholders and communication with neighbours;
 - weed treatment for each weed group or each species as required more than one method may be required for multiple species;
 - o asbestos and contaminated land removal, remediation and disposal;
 - o strata management such as reinstating natural ground levels or hydrology;
 - o land use changes and recovery and boundary strengthening;
 - o goods and materials removal;
 - o anything else that contributes to improved conservation values and resilience.

Revegetation of recovery areas in Council-managed bushland

- Develop a specific list for each revegetation area, derived from the species typical of target RE and in site specific palette at a ratio of 1:2:3 canopy:subcanopy:understory.
- Plant tube-stock at one metre centres at a ratio of 1:2:3 canopy:subcanopy:understory.
- Plant with a handful of soaked water crystals and creating wells in the soils and mulch.
- Do not fertilise and do not import topsoil.

Revegetation maintenance in recovery areas in Council-managed bushland

- Water in immediately.
- Check and water as needed for next two weeks.
- At two weeks spot spray any weeds. Replace any dead stock.
- At subsequent monthly intervals, treat any weeds as per schedule. Replace any dead stock.
- Prevent off-target damage. All works to encourage native species.
- At 12.5 months post-planting, reduce maintenance to half a labour day/month conducted at two monthly intervals, continuing to 36 months post-planting.

Works monitoring in recovery areas in Council-managed bushland

• Undertake monitoring at monthly intervals for the first three months after work is completed, and at six-monthly intervals for the following 2.5 years.

- At each monitoring event, randomly select two 5m² plots in each sub-management zone (marker thrown over shoulder becomes SW corner of monitoring plot).
- KPIs include percentage cover of weeds, bare ground and native recruitment recorded, and condition of planted plants recorded in each plot.
- Monitor the entire area for dead revegetation stock and record at each maintenance/monitoring event.
- Map and report expanding or continuing encroachment activity for enforcement where necessary.

Table one: Revegetation key performance indicators

Months since work started	6	12	18	24	30	36
Max plant death %	0	0	5	5	5	5
Max weed cover %	>50	25-50	25-50	<25	<25	<10
Native recruitment % cover	Regen >80 Infill >25 Reveg >10	Regen >80 Infill >35 Reveg >15	Regen >90 Infill >35 Reveg >20	Regen >90 Infill >45 Reveg >25	Regen >90 Infill >45 Reveg >25	Regen >95 Infill >55 Reveg >30
Bare ground/ mulched %	Regen <15 Infill <30 Reveg <85	Regen <10 Infill <25 Reveg <80	Regen <10 Infill <25 Reveg <75	Regen <5 Infill <20 Reveg <75	Regen <5 Infill <20 Reveg <70	Regen <5 Infill <20 Reveg <65

BOA monitoring of recovery areas in Council-managed bushland

Conduct a BOA at the rehabilitation area at 18-month intervals. Site and management zone rehabilitation targets and a schedule are identified in the management activities table in the rehabilitation plan.

Encroachments in Council-managed roads and parks

- Private landscaping and gardens on road verges must comply with Council's exemptions for private gardens and landscaping in road verges.
- Private gardens and landscaping in road verges that comply, are low risk and are not medium, high or extreme risk in any section of the Matrix, may be exempt from requiring approval or being enforced as an encroachment.
- Council is responsible for street and park tree planting, removal, and maintenance. The
 community is not permitted to plant or remove trees in roads or parks unless authorised to
 do so by Council in accordance with the relevant Local Law.
- Council and other public utility service providers may remove any garden and landscaping undertaken in roads or parks for the purposes of managing public services and/or infrastructure.
- Council does not install, maintain, or reinstate private gardens, turf, or landscaping on road verges or in parks, even where it was installed by the previous property owner or authorised occupant, and received approval from Council, or if it is damaged by Council or other public service providers.
- Where a previously acceptable or approved private garden or landscaping becomes non-compliant or is no longer maintained, Council will require its reinstatement to a properly maintained state or its removal. If the work necessary to recover the previously acceptable or approved private garden or landscaping is not likely to result in a risk of harm to persons or property upon the encroached area, or to the area itself, Council will first seek to ascertain whether the owner wishes to maintain the garden or landscaping, and subsequently request the owner to perform, within a specified period, the work necessary to return the area to a safe and presentable condition. Failing rectification, Council may opt to begin a recovery process.
- Where the work necessary to recover an encroachment in a Council-managed road reserve
 is not likely to result in risk of harm to people or property within the encroached area, or to
 the area itself, Council may offer adjacent property owners a possession retrieval and
 recovery period with a deadline, enabling them to remove possessions and materials from
 the encroached area.
- Any exceptions to the above rules may be assessed case-by-case at Council's discretion, based on the Encroachment Risk Assessment Matrix.

Reinstatement of community verge planting areas and encroachments in road reserves and parks.

- Removed encroachments into road reserves, parks and verge planting areas shall be reinstated by the individual or organisation removing the verge planting areas.
- All materials and plantings shall be entirely removed from public land.
- The surface and soil shall be returned to a slope, texture, permeability and compaction consistent with the surrounding area, and be suitable for planting into.
- It shall be stabilised with grass or mulch, as is consistent with the surrounding surface treatment. Grass re-establishment shall ideally be through planting of turf to allow efficient establishment.

- The area shall be maintained by the individual or organisation removing the verge planting areas for a minimum of eight weeks, or until the planting is well established, whichever is longer.
- When undertaking reinstatement, the pedestrian throughfare is to remain unobstructed and sediment discharge into Council stormwater infrastructure or nearby flowlines or waterbodies shall be prevented.

Vegetable and productive gardens on road verges

Vegetable and productive gardens are valuable to sustainability however they also require a lot of maintenance to ensure ongoing productivity and a sound appearance. Council supports vegetable and productive gardens on road verges that;

- are well and consistently maintained,
- are of neat appearance.
- meet all requirements that apply to private gardening and landscaping in road verges.

The resident(s) that establish and/or maintain vegetable and productive gardens on verges do not have exclusive use of the area, or of the produce grown in the gardens.

Exemptions for private gardening and landscaping in road verges

This procedure provides clarity about when private gardening and planting in road verges is allowable without any approval (as an exemption), and when Council permission is required.

Applicability in Noosa Shire

The private gardening and landscaping in road verges exemptions apply to the urban areas and villages of Noosa including:

- Peregian Beach
- Marcus Beach
- Castaways Beach
- Sunrise Beach
- Sunshine Beach
- Noosa Heads
- Noosaville
- Tewantin
- Cooroy
- Pomona
- Boreen Point (village)
- Cooran (village)
- Kin Kin (village)

It also applies to rural residential estates which have formalised verges including kerb and graded verges including streets in the following:

- Cudgerie Estate, Black Mountain
- Stratford Park, Pinbarren

- Coorooibah Estates, Lake Coorooibah
- Swift Park and Forest Acres, Cooroy
- Noosa Banks, Tewantin
- Lenehans Lane, Livistona Drive and Foxtail Rise locality, Doonan
- Kingsgate Drive and Patterson Drive, Tinbeerwah
- The Ridges Wirruna Drive and Bunberrra Way, Cooran

If the intended verge planting is outside of these localities, or there is a table drain or informal verge, residents are to contact Council for specific guidance.

Principles for private gardening and landscaping in road verges

Noosa Council uses the following principles for private gardening and landscaping in road verges in Noosa Shire:

- 1. Maintenance of lawns and removal of common weeds on verges by adjacent private property owners in urban areas is supported and encouraged.
- 2. Planting of low groundcovers and small shrubs that grow to less than two metres in verges by adjacent private property owners in urban areas is supported when undertaken in accordance with these guidelines.
- 3. Street tree planting is undertaken by Council as part of an asset management program.
- 4. Landscaping, including earthworks, drainage, irrigation, driveways, footpaths, fences, planting boxes, retaining walls and garden structures and sculptures, is not permitted.
- 5. Replacement of public landscaping, gardens, and public infrastructure in verges with private planting and landscaping is not permitted.
- 6. Utility providers may at any time disrupt verge areas for critical maintenance of infrastructure. They do not have responsibility to reinstate any verge planting damaged due to works, however adjacent property owners may reinstate.

Consultation with neighbours in road verges

- Residents are obliged to consult with their neighbours.
- Residents cannot plant on a neighbour's verge or property without their prior written permission.

Species selection and layout in road verges

- Low growing ground cover and shrub species that are preferably native to the Noosa Shire, are not invasive and grow no higher than two metres are to be used – Council officers should refers residents to the Plant Species Guide lists below.
- Residents should consider in detail the plant choice for example, is it suited to the aspect, sunlight, and drainage characteristics of their verge. Residents should be encouraged to seek guidance from local experts including qualified professionals, Bushcare groups, Noosa & District Landcare, Coolum Coast Care, and local plant nurseries that stock native plants.
- Pedestrians must be able to traverse the verge without being obstructed by plantings, regardless of whether there is a made or unmade footpath. A pedestrian/cyclist way with a minimum width of 1.5 metres clear of private gardening and landscaping must be maintained

between the kerb and the edge of the verge garden. It is important to consider the mature size of plants when planting, to ensure that when they grow, they maintain the required 1.5m clearance.

Critical considerations in road verges

The following public services and considerations must be incorporated into private gardening and landscaping in verges:

- Visibility of motorists using the road, and those entering or exiting a residential driveway.
- Location for kerbside bin collection.
- Maintaining adequate distance from above-ground utilities such as electricity pillars, streetlights, and telecommunications structures (e.g. ground cabinets) and cables.
- Access to post boxes (mailboxes) allowing space between the verge garden and the edge
 of the footpath (if established) for footpath maintenance.
- Shrubs that grow to over two meters and trees are not to be planted on verge areas by
 adjacent private property owners to ensure maintenance of safety and prevent interference
 with infrastructure. Hedges are to be planted within the property boundary and not on
 verges.
- Any planting, gardening, or landscaping in the 1.5 m area from back of kerb will be undertaken by Council.
- Street tree planting is undertaken by Council as part of an asset management program.
 Palms, pandanus or bamboos are inappropriate when planted by private residents due to maintenance impacts and size of plants.

Weeds in road vereges

Verges often harbour bushland weeds. What may appear to be a lush groundcover can often be an exotic garden escapee that can consume nearby bushland areas and pose a threat to local flora and fauna.

Plants listed in *Table 3: Common Weeds that should not be planted on verges, and should be removed from verges,* all Weeds of National Significance (Australian Weeds Strategy), weed species targeted for national eradication (https://weeds.org.au/overview/lists-strategies/) and all *Restricted invasive plants, Categories 1, 2, 3, 4, 5* under the Biosecurity Act 2014 (Qld) lists common weeds that should not be planted on verges and be removed from verges.

- All weeds should be disposed of in the bin and in landfill, as often composting and other techniques do not sterilise seeds and propagules.
- Residents are encouraged to seek guidance on weed identification and removal from local environmental groups.

Maintenance of verge planting

If verge planting is undertaken by the adjacent property owner consistent with the guidelines, the ongoing maintenance of the planting is the responsibility of the property owner including:

- Replacement of lost plants.
- Replenishment of mulch.
- · Weeding.

• Pruning of plants to ensure they do not exceed height or clearance guidelines.

When undertaking maintenance, the pedestrian throughfare is to remain unobstructed.

Replacement of verge planting

- In instances where verge ground cover planting has failed and is not being maintained in accordance with these guidelines, it may be removed, either by the adjacent resident or Council.
- Residents are encouraged to replace failed verge planting with new planting in accordance
 with these guidelines. The verge may also be reinstated with grass or mulch, consistent with
 the surrounding surface treatment, ideally through planting of turf to allow efficient
 establishment.

Road Verge and Park Garden Plant Species Guide

GC: Groundcover

G: Grass

TF: Tufting Plant SS Small Shrub MS: Medium Shrub

Coastal Areas		
Botanical Name	Common name	Form
Acacia sophorae	Coastal Wattle	MC
Acacia suaveolens	Sweet wattle	MS
Acmena smithii	Allyn Magic	SS
Alpinia caerulea	Native Ginger	TF
Anigozanthos sp.	Kangaroo Paw	MS
Austromyrtus dulcis	Midyim	GC / SS
Aotus ericoides	Eggs and Bacon	MS
Aotus lanigera	Golden Candlesticks	MS
Baeckea frutescens (was stenophylla)	Weeping Baeckea	MS
Baeckea virgata Dwarf	Dwarf Twiggy Myrtle	SS
Banksia oblongifolia	Dwarf Banksia	MS
Banksia robur	Swamp Banksia	MS
Banksia spinulosa	Golden Candlesticks	MS
Baumea rubiginosa	Soft Twigrush	TF
Bauera capitata	Dog Rose	SS
Bauera rubioides	Wiry Dog Rose	SS
Boronia falcifolia	Wallum Boronia	MS
Boronia rivularis	Wide Bay Boronia	MS
Bracteantha sp.	Federation Daisy	GC
Callistemon spp.	Bottlebrush	Chose forms that are low to medium shrub only (<2metres)
Carpobrotus glaucescens	Pigface	GC
Casuarina glauca Prostrate form	Cousin It	GC /SS
Crinum pedunculatum	River Lily	TF
Dampiera Stricta	Blue Dampiera	GC/SS
Dianella caerulea	Flax Lily	TF
Dianella congesta	Beach Flax Lily	TF
Dietes species	Wild Iris or Butterfly plant	SS
Dodonea triquetra	Native Hop	MS
Eriostemon spp.	Qld. Wax flower	SS
Gardenia augusta	Radicans	SS
Grevillea cultivars spp.	Grevilleas	Chose forms that are low to medium shrub only (<2metres)
Hardenbergia violacea	Native Sarsparilla	GC
Helichrysum spp.	Golden Buttons\ Paper Daisy	GC
Hibbertia obtusifolia	Guinea Flower	SS
Hibbertia scandens	Twining Guinea Flower	GC

Coastal Areas		
Botanical Name	Common name	Form
Hibiscus heterophyllus	Native Rosella	MS
Hibiscus splendens	Splendid Hibiscus	MS
Jacksonia scoparia	Dogwood / Native Broom	MS
Juniper conferta	Shore Juniper	CG
Kennedia rubicunda	Running Postman	GC
Leptospermum liversidgei	Lemon Scented Leptospermum	MS
Leptospermum petersonii	Lemon Scented Tea Tree	MS
Leptospermum polygalifolium	Wild May	MS
Leptospermum speciosum	Wallum Tea Tree	MS
Lomandra confertifolia Lomandra hystrix Lomandra longifolia	Mat-rush	TF
Melaleuca thymifolia	Honey Murtle	MS
Melastoma malabathricum L. subsp. malabathricum	Blue Tongue	MS
Mettosideros collina	Little Dugald	MS
Myoporum parvifolium	Creeping boobialla	CG
Pandorea jasminoides	Bower vine	
Phebalium woombye	Phebalium	MS
Phebalium woombye Prostrate form	Wallum Gold	SS
Phyllanthus multiflorus	Waterfall plant	SS
Pultenea spp.	Bush Pea/Bacon and Eggs	SS
Ricinocarpus pinifolius	Wedding Bush	MS
Ricinocarpus pinifolius prostate form	Wedding Bush prostrate	SS
Scaevola calendulacea	Dune Fan Flower	GC
Sowerbaea juncea	Vanilla Lily	TF
Strangea linearis	Strangea	MS
Syzygium australe	Tiny Trev	SS
Themeda triandra	Kangaroo Grass	G
Trachelospernum jasminoides	Star Jasmine	GC
Tulbaghia violacea	Society Garlic	SS
Viola betonicifolia	Betony Leaved Violet	GC
Viola hederacea	Native Violet	GC
Wahlebergia stricta	Bluebells	GC
Westingia fruiticose "Zena"	Coastal Rosemary	MS
Xanthorrhoea johnsonii	Heath Grasstree	TF

Woodland - Open Forest Areas		
Botanical Name	Common name	Form
Acacia complanata	Flat Stem Wattle	MS
Acacia suaveolens	Sweet Wattle	MS
Adiantum spp.	Maidenhair Ferns	GC
Austromyrtus dulcis	Midyim	GC / SS
Banksia oblongifolia	Dwarf Banksia	MS
Banksia robur	Swamp Banksia	MS
Banksia spinulosa	Golden Candlesticks	MS
Baumea rubiginosa	Soft Twigrush	TF
Bauera capitata	Dog Rose	SS
Blechnum spp.	Water Ferns	TF
Bracteantha sp.	Federation Daisy	GC
Brachycome multifida	Cut leaf Daisy	SS
Callistemon spp.	Bottlebrush	Chose forms that are low to medium shrub only (<2metres)
Casuarina glauca Prostrate form	Cousin It	GC /SS
Clivia miniate	Bush Lily	SS
Cissus antarctica	Water Vine	GC
Cissus hypoglauca	Five Leaf Water Vine	GC
Chrsocephalum apiculatum	Yellow buttons	SS
Cordyline petiolaris	Broad-leaved Palm Lily	MS
Cordyline rubra	Red-fruited Palm lily	MS
Dianella caerulea	Flax Lily	TF
Dodonea triquetra	Native Hop	MS
Eleocharis spp.	Spikerush	TF
Erigeron karvinskianus	Mexican daisy	GC
Eriostemon spp.	Qld. Wax flower	SS
Goodenia ovata "Gold Cover"	Goodenia	
Gardenia Augusta	Radicans	SS
Grevillea banksii Prostrate form	Red or White	GC
Grevillea cultivars spp.	Grevilleas	Chose forms that are low to medium shrub only (<2metres)
Hardenbergia violacea	Native Sarsparilla	GC
Helichrysum spp.	Golden Buttons\Paper Daisy	GC
Hibbertia scandens	Twining Guinea Flower	GC
Hibiscus heterophyllus	Native Rosella	MS
Hibiscus splendens	Splendid Hibiscus	MS
Hovea acutifolia	Hovea	MS
Hymensoporum flavum	Gold nugget	SS
Jacksonia scoparia	Dogwood / Native Broom	MS
Kennedia rubicunda	Running Postman	GC
Leptospermum liversidgei	Lemon Scented Leptospermum	MS
Leptospermum petersonii	Lemon Scented Tea Tree	MS
Leptospermum polygalifolium	Wild May	MS
Leptospermum speciosum	Wallum Tea Tree	MS

Woodland - Open Forest Areas	Woodland - Open Forest Areas			
Botanical Name	Common name	Form		
Lobelia membranacea	Lawn Lobelia	GC		
Lomandra confertifolia Lomandra hystrix Lomandra longifolia	Mat-rush	TF		
Lomatia silacifolia	Parsley Bush	MS		
Melastoma malabathricum L. subsp. malabathricum	Blue Tongue	MS		
Microlaena stipoides	Weeping Grass	G		
Myoporum parvifolium	Creeping boobialla	GC		
Ozomthamnus diosmifolius	Sago Flower	MS		
Pandorea jasminoides	Bower Vine	SS		
Phebalium woombye	Phebalium	MS		
Phebalium woombye prostate form	Wallum Gold	SS		
Phylidrum (sic) lanuginosum	Frogmouth	TF		
Platysace lancolatus	Platysace	SS		
Poa labillardierii	Tussock Grass	G		
Pultenea spp.	Bush Pea/Bacon and Eggs	SS		
Baloskion tetraphyllum (was Restio tetraphyllus)	Foxtails	TF		
Ricinocarpus pinifolius	Wedding Bush	MS		
Ricinocarpus pinifolius prostate form	Wedding Bush prostrate forms	SS		
Sannantha similis	Twiggy Myrtle	MS		
Sowerbaea juncea	Vanilla Lily	TF		
Themeda triandra	Kangaroo Grass	G		
Viola betonicifolia	Betony Leaved Violet	GC		
Viola hederacea	Native Violet	GC		
Xanthorrhoea latifolia	Forest Grasstree	TF		

Closed Forest - Rainforest Areas				
Botanical Name	Common name	Form		
Atractocarpas chartacea (sic chartaceus)	Narrow-Leaved Native Gardenia	MS		
Adiantum spp.	Maidenhair Ferns	GC		
Alpinia caerulea	Native Ginger	TF		
Austromyrtus dulcis	Midyim	GC / SS		
Gossia inophloia (was Austromyrtus inophloia)	cv Blushing Beauty	SS		
Backhousia myrtifolia	Grey Myrtle	MS		
Blechnum spp.	Water Ferns	TF		
Callicarpa pedunculata	Velvet Leaf	MS		
Cordyline petiolaris	Broad-leaved Palm Lily	MS		
Cordyline rubra	Red-fruited Palm lily	MS		
Cissus antarctica	Water Vine	GC		
Cissus hypoglauca	Five Leaf Water Vine	GC		
Davallia pyxidata	Haresfoot Fern	GC		
Dianella caerulea	Flax Lily	TF		
Hibiscus heterophyllus	Native Rosella	MS		
Hibiscus splendens	Splendid Hibiscus	MS		
Lomandra confertifolia Lomandra hystrix Lomandra longifolia	Mat-rush	TF		
Lomandra longifolia/histrix	Mat-rush	TF		
Melastoma malabathricum L. subsp. malabathricum	Blue Tongue	MS		
Pandorea jasminoides	Bower of Beauty	GC		
Pandorea pandorana	Wonga Vine	GC		
Sannantha similis	Twiggy Myrtle	MS		
Viola betonicifolia	Betony Leaved Violet	GC		
Viola hederacea	Native Violet	GC		

Common Weeds that should not be planted on verges, and should be removed from verges

Botanical Name	Common name
Agave spp	Agave
Alternanthera amoena	Purple Splash
Anredera cordifolia	Madeira Vine
Ardisia crenata	Coral berry
Ardisia elliptica	Shoebutton Ardisia
Ardisia humilis	Small Coral Berry
Ardisia crispa	Coral Berry
Aristolochia durior	Dutchman's Pipe
Aristolochia elegans	
Aristolochia macrophylla	
All non-native Aristolochia	Charles de anno marchine
Asparagus aethiopicus	Ground asparagus
Asparagus africanus	Climbing asparagus
Asparagus plumosus	Climbing asparagus
Asparagus declinatus	Asparagus fern
Asparagus asparagoides	Bridal veil
Bambusa spp	Bamboo all varieties
Barleria repens	Coral Creeper
Bougainvillea spp	Bougainvillea
Buddleja madagascariensis	Buddleja
Bryophyllum spp	Mother of Millions
Callisia fragrans	Purple succulent
Callisia repens	Creeping inch plant
Canna indica	Canna lily
Cardiospermum grandiflorum	Balloon Vine
Cassia obtusifolia	Sicklepod
Celtis sinesis	Chinese Elm
Cinnamomum camphora	Camphor Laurel
Cortaderia silloana	Pampas Grass
Corymbia torelliana	Cadaghi Gum
Cyperus involucratus	Umbrella sedge
Diospyros kaki	Persimmon Tree
Duranta erecta (was repens)	Geisha Girl
Dypsis lutescens	Golden Cane Palm Dwarf Poinsettia
Euphorbia cyathophora	
Fraxinus griffithi Glechoma hederaceae	Himalayan Ash
	Clear Like
Gloriosa superba	Glory Lily Umbrella Tree
Heptapleurum actinophyllum (was Schefflera actinophylla	Offibreila free
Impatiens walleriana	Balsam
Ipomoea acuminata	Daisaili
Ipomoea acuminata Ipomoea cairica	Mile a Minute
Ipomoea indica	Morning Glory
Koelreuteria elegans	Golden Rain Tree
Lantana camara	Lantana
Lantana montevidensis	Creeping Lantana
Leucaena spp	Leucaena
Ligustrum lucidum	Broad Leaf Privet
Ligustrum sinense	Small Leaf Privet
Lonicera japonica	Honeysuckle
Macfadyena unguis-cati	Cats Claw Creeper
Murraya exotica	Mock Orange
Nephrolepis cordifolia	Fishbone Fern
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Ochna serrulata	Ochna		
Passiflora suberosa	Corky Passion Vine		
Pennisetum (Purple)	Purple Fountain Grass		
Pinus spp	Exotic pine trees		
Radermachera sinica	Asian Bell Tree		
Ravenala spp	All travellers palm		
Rhapiolepis indica	Indian Hawthorn		
Ruellia simplex, (was R. tweediana, R. brittonia)	Mexican Bluebell		
Ruellia squarrosa	Creeping Ruellia		
Sansevieria trifasciata	Mother in Laws Tongue		
Schinus molle	Pepper Tree		
Schinus terebinthifolia	Easter Cassia		
Senna floribunda	Winter Cassia		
Syagrus romanzoffiana (was Arecastrum	Cocas palm		
romanzoffianum)			
Syngonium podifolia	Syngonium		
Spathodea campanulata	African Tulip Tree		
Sphagneticola trilobata (was Wedelia trilobata)	Singapore Daisy		
Tecoma stans	Yellow Bells		
Tithonia diversifolia	Japanese Sunflower		
Thunbergia spp	All Thunbergia species		
Tradescantia spp	All Tradescantia species		
Viburnum odoratissimum	Sweet viburnum		
All Weeds of National Significance)	Australian Weeds Strategy		
Weed species targeted for national			
eradication	strategies/		
All Restricted invasive plants, Categories 1, 2,	Biosecurity Act 2014 (Qld)		
<u>3, 4, 5</u>			



Figure 1: 1500mm minimum clearance for road functions

Encroachment Risk Assessment

Table 2: Encroachment Risk Assessment Matrix

Low = 1, Medium = 2, High / Extreme = 3

Category of consequence/ Risk level	Low	Medium	High/Extreme	Score
Section 1. Health and safety – people and animals Trip/fall hazards, slips, sharp edges, sharp corners, spikes or thorns, poisonous plants, drop offs, slopes. Consider for pedestrian accessibility and continuity/access along street frontage and pathways. Sightlines for traffic, pedestrians, or cyclists in local context (pedestrian/vehicle numbers, speed, sensitive land uses, lighting, surrounding layout and environment).	Negligible or low risk of minor injury likely requiring minor first aid. Situation creates no greater safety risk than compliant area.	Medium risk of injury neither minor nor serious but likely requiring minor medical treatment.	High risk of serious injury where medical treatment may be required.	
Roads: Maintains a minimum of 1500mm clearance from the back of kerb. Parks: Square metres as per Assessment Matrix criteria. Council-managed bushland: Encroachment size and extent is assessed in relation to the boundary FRMM identified by Council under the Noosa Bushland Reserve Strategic Fire Management Plan for that location. Where the Noosa Bushland Reserve Strategic Fire Management Plan doesn't require a FRMM, the Parks square metre criteria applies.	Road: Maintains a minimum of 1500mm clearance from the back of kerb. Parks: < 5m² Council-managed bushland: Encroachment does not extend out of FRMM area.	Road: Maintains less than 1500mm clearance from the back of kerb. Parks: 5m² – 20m² Council-managed bushland: Encroachment extends out of FRMM area.	Road: Maintains less than 500 mm clearance from the back of kerb. Parks: > 20m² Council-managed bushland: Encroachment extends out of FRMM area.	
Section 3. Bushfire risk management and access Required separation to bush at boundary as per FRMM for that location, where no separation is required. Facilitates fire management and emergency access along boundary and into and out of bush. Does not complicate fire trail construction, maintenance, or use. Complies with fire risk management measure (FRMM) requirements and function. Fuel loads as per FRMM requirements within measure area. Does not increase fuel load outside of measure area.	All items fully complied with OR minor non-critical non-compliance with any two or fewer items.	One or two items moderately compromised and likely to contribute to medium risk of moderate injury during fire risk management maintenance and emergency.	Any item compromised and likely to contribute to high or extreme risk of moderate or serious injury or threat to property during fire risk management maintenance and emergency.	

Section 4. Environmental harm - substrate Does not contribute to erosion, sedimentation, occur on a slope more than 20% or on highly erodible soils. Maintains natural soil stability, soil depth, ground levels, chemistry, pH and structure, geology characteristics and natural hydrology.	All items fully complied with OR minor non-critical non-compliance with any two or fewer items in a way that is recoverable to a representative Regional Ecosystem without Council intervention.	One or two items moderately compromised and likely to contribute to medium risk of environmental harm or long-term damage, or to require significant recovery effort.	Any item compromised and likely to contribute to high or extreme risk of environmental harm or permanent damage, or to require significant recovery effort.
Section 6. Environmental harm – vegetation Does not damage vegetation outside of FRMM. Is free of invasive species. Does not intrude into or affect: Of Concern or Endangered Remnant High Value Regrowth Matters of State Environment Significance Wetland Other local, site specific or unmapped environmental values observed on-site. Does not increase, or maintain high levels of, artificial light penetration to a turtle nesting beach.	All items fully complied with OR minor non-critical non-compliance with any two or fewer items in a way that does not need management intervention to recover after the encroachment is stopped.	One or two items moderately compromised and likely to contribute to medium risk of environmental harm or long-term damage, or to require significant recovery effort.	Any item compromised and likely to contribute to high or extreme risk of environmental harm or permanent damage, or to require significant recovery effort.
Section 7. Community amenity and enjoymentContributes unsightliness, debris and rubbish entrapment, public convenience, access, increased expectation of Council maintenance/renewal or a higher level of service than standard practice.	Negligible or minor impact on the amenity or use of the area by the community. No likely precedent or expectation of Council input.	Medium impact on the amenity or use of the area. In moderate conflict with Noosa Design Principles or site-specific design or theme. Could create local expectation of Council maintenance or renewal.	High or extreme impact on the amenity or use of the area. Noncompliance is in high conflict with Noosa Design Principles or site-specific design or theme. Could create a precedent having significant impact on the community and/or Council resources.
Section 8. Impacts public asset or public service, nearby private property Restricts function, restricts maintenance or emergency access, or reduces useful life of Council asset - e.g. footpath, kerb and channel, lighting – or nearby private property. Restricts public service – e.g. utilities, public lighting, public transport, waste collection, and safe pedestrian thoroughfare.	No or minor identifiable current impact or future impact on Council asset or private property.	Medium identifiable current or future impact on Council asset or private property.	High current or future identifiable current or future impact on Council asset or private property.

Section 9. Council reputation/public image

Consider factors such as complaints that could eventuate from poor management/lack of intervention and precedent issues.

Potential for no or few complaints to Council if noncompliance is not rectified. Potential for a small number of complaints from the community and possible negative media attention. Potential for a high number of complaints from the community and/or likely negative media attention.

Table 3: Risk likelihood

Category	% Probability	Description
Almost certain	95% to 100%	Expected to occur
Likely	65% - 95%	Will probably occur
Possible	35% -65%	Might occur at some time
Unlikely	5% - 35%	Could occur at some time
Rare	< 5%	May occur in rare circumstances

Table 4: Risk Scoring Matrix

Low = 1 - 9 Medium = 10-18 Extreme/High = 19-37

Likelihood	Low	Medium	High	Extreme
Almost Certain	Medium (M12)	High (H21)	Extreme (E30)	Extreme (E37)
Likely	Medium (M11)	High (H19)	Extreme (E28)	Extreme (E35)
Possible	Medium (M10)	Medium (M18)	High (H27)	Extreme (E32)
Unlikely	Low (L9)	Medium (M16)	High (H26)	High (H80)
Rare	Low (L1)	Medium (M14)	High (H24)	High (H76)

Table 1: General guidance for action after encroachment risk assessment

Determined risk rating	Appropriate Management by Council	
High/Extreme ratings	Prioritised action required from Council to reduce risk within a short timeframe. Utilise compliance and enforcement options that promote fast action and act as a strong community deterrent.	
Medium ratings	Action required from Council to reduce risk in the medium term. Utilise compliance and enforcement options that promote required action within a reasonable timeframe.	
Low ratings	No immediate/short term action required by Council to reduce risk. Utilise compliance and enforcement options that promote required action via education and voluntary compliance.	

RELEVANT LEGISLATION AND POLICY

Environment Protection and Biodiversity Conservation Act 1999 (Cth)

Biosecurity Act 2014 (Qld)

Coastal Protection and Management Act 1995 (Qld)

Fire and Rescue Service Act 1990 (Qld)

Land Act 1994 (Qld)

Local Government Act 2009 (QLD)

Nature Conservation Act 1992 (Qld)

State Planning Policy 2/10 Koala Conservation in SEQ (Qld)

Vegetation Management Act 1999 (Qld)

Queensland Heritage Act 1992 (Qld)

Vegetation Management Act 2009 (Qld)

Water Act 2000 (Qld)

Local Law No. 1 (Administration) 2011 (Qld)

Local Law No. 4 (Local Government Controlled Areas, Facilities, Infrastructure and Roads) 2011 (Qld)

Noosa Council Environment Strategy 2019

Noosa Biodiversity Plan: Biodiversity Assessment Report 2016

Noosa Climate Change Response Plan 2021

Noosa Bushland Reserve Strategic Fire Management Plan 2021 - 2026

Noosa Bushland Reserves Strategic Management Plan 2021 – 2026

Noosa Coastal Hazards Adaptation Plan 2021

Noosa Walking and Cycling Strategy and Implementation Plan 2020-2040

Noosa Council Encroachment Policy

Noosa Council Tree Management on Public Land policy

Guiding Principles for Tree Management in Noosa Shire

HUMAN RIGHTS COMPATIBILITY STATEMENT

In developing this procedure, the subject matter has been considered in accordance with the requirements of the Queensland *Human Rights Act 2019*. It is considered that the subject matter does not conflict with any human rights, including the right to property and the right to freedom of movement, and supports a human rights approach to decision making by Council. This procedure should be read in conjunction with the Human Rights Act 2019 (QLD) and Council's Human Rights Policy.

COUNCIL ORGANISATIONAL PROCEDURES - ENCROACHMENTS

Version control:

Version	Reason/ Trigger	Change (Y/N)	Endorsed/ Reviewed by	Date
1.0	Council direction			DD/MM/YYY
	Eg. Review			