

Design Guidelines for On-site Sewage Management for Single Households

APPENDIX D

Native (local) plants suitable for Land Application Areas

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The following list of plants is a selection of native plants that would be suitable to be grown in or around the edges of most land application areas in Byron Shire. Council does not require that plants are selected exclusively from the following list, nor does it require that plants used in OSMS land application areas must be exclusively natives or native to the region, though for the sake of maintaining biodiversity in the shire Council does support the use of any local natives which are able to super-accumulate nitrogen and phosphorus into “luxury growth”. Plants to be specifically avoided are those which are best grown on sand or sandstone, nutrient-poor soils. If in doubt, ask your nurseryman or a horticulturalist.

Macrophytes suitable for use in reed-beds are listed in Appendix A4.5.

<i>Scientific name</i>	Height	Common name
Sedges/Rushes/Reeds		
<i>Baumea articulata</i>	1m	Jointed Twigrush
<i>Baumea rubiginosa</i>	1m	Rush
<i>Bolboschoenus fluviatilis</i>	2m	Club Rush
<i>Carex appressa</i>	1m	Sedges
<i>Carex fascicularis</i>	1m	Tassel Sedge
<i>Carex gaudichaudiana</i>	1m	Sedge
<i>Cyperus exaltatus</i>	1m	Sedge
<i>Eleocharis equisetina</i>	1m	Spike Rush
<i>Fimbristylus spp.</i>	50cm	
<i>Gahnia clarkei, G. sieberiana</i>	1.5m	Sawsedge
<i>Juncus polyanthemus, J. usitatus</i>	1m	Reed
<i>Juncus kraussii</i>	1m	Salt Rush
<i>Lepironia articulata</i>	2m	Grey Sedge
<i>Lomandra hystrix</i>	1m	Creek Mat Rush
<i>Lomandra longifolia</i>	1m	Long Leaf Mat Rush
<i>Scirpus mucronatus</i>	50cm	Triangular Club Rush
<i>Schoenoplectrus validus</i>	1m	
<i>Typha orientalis</i>	1.5m	Bulrush
Grasses/Ground covers/climbers		
<i>Bacopa monniera</i>		
<i>Centella asiatica</i>	20cm	Pennywort
<i>Oplismenus amellus</i>	30cm	Grass
<i>Oplismenus imbecillis</i>	30cm	Grass
<i>Paspalum distichum</i>	50cm	Water Couch
<i>Pollia crispata</i>	80cm	Pollia
<i>Pseuderanthemum variable</i>	50cm	Pastel Flower
<i>Themeda triandra</i>	80cm	Kangaroo Grass
<i>Vetiveria filipes</i>	1m	Native Vetiva
<i>Viola betonicifolia</i>	30cm	Arrow-leaved Violet
<i>Viola hederaceae</i>	30cm	Native Violet
<i>*Penniselum clandestinum (exotic)</i>	30cm	Kikuyu
<i>*Setaria spaelata (exotic)</i>	30cm	Setaria species
Forbs/Small plants		
<i>Alocasia brisbaniensis</i>	1m	Cunjevoi Lily
<i>Alpinia caerulea</i>	1.5m	Native Ginger

<i>Callistemon pachyphyllus</i>	1m	Wallum Bottlebrush
<i>Cordyline rubra, C. petiolaris</i>	3m	Palm Lilies
<i>Crinum pedunculatum</i>	1m	River Lily
<i>Enydra fluctuans</i>	50cm	
<i>Helmholtzia glabbristylis</i>	1m	Stream Lily
<i>Melastoma affine</i>	50cm	Blue Tongue
<i>Persicaria spp.</i>	50cm	Knotweeds
<i>Philydrum lanuginosum</i>	1m	Frogsmouth
<i>Pipturua argenteus</i>	50cm	White Nettle
<i>Tetragonia tetragoniodes</i>	50cm	Warrigal Greens
Ferns		
<i>Blechnum indicum</i>	1m	Bungwall
<i>Blechnum cartilagineum</i>	1m	Gristle Fern
<i>Christella dentata</i>	1m	Binung
<i>Cyathea australis</i>	3-5m	Tree Fern
<i>Cyclorus interruptus</i>	80cm	
Shrubs/ Small trees		
<i>Banksia ericifolia</i>	3-5m	Heath Banksia
<i>Banksia robur</i>	1-3m	Swamp Banksia
<i>Callistemon salignus</i>	5m	White Bottlebrush
<i>Callistemon viminalis</i>	5m	Weeping Bottlebrush
<i>Evodiella Muelleri</i>	3m	Little Evodia
<i>Ficus coronata</i>	5m	Creek Sandpaper Fig
<i>Hibiscus diversifolius</i>	1.5m	Swamp Hibiscus
<i>Leptospermum flavescens</i>	3m	Common Ti Tree
<i>Leptospermum liversidgeii</i>	1m	Lemon Ti Tree
<i>Melaleuca nodosa</i>	3m	Paperbark
<i>Melaleuca stypheloides</i>	5m	Prickly-leaved Paperbark
<i>Myoporum acuminatum</i>	3-5m	Mangrove Boobialla
<i>Omalanthus nutans</i>	3-5m	Bleeding Heart
Trees		
<i>(Note that large trees should not be grown directly on land application areas, and should be set back a minimum distance of their projected height to avoid shading of the land application area).</i>		
<i>Acacia melanoxylon</i>	15-20m	Blackwood
<i>Acmena smithii</i>	5-10m	Lilly Pilly
<i>Archontophoenix cunninghamiana</i>	10-15m	Bangalow Palm
<i>Casuarina glauca</i>	10-15m	Swamp Oak
<i>Commersonia bartramia</i>	5-10m	Brown Kurrajong
<i>Glochidion sumatranum</i>	5-10m	Umbrella Cheese Tree
<i>Hibiscus tiliaceus</i>	5-10m	Cottonwood Hibiscus
<i>Livistona australis</i>	15-20m	Cabbage Palm
<i>Lophostemon suaveolens</i>	5-10m	Swamp Box
<i>Melaleuca quinquenervia</i>	10-15m	Broad-leaved Paperbark
<i>Melicope elleryana</i>	10-15m	Pink Euodia
<i>Syzygium australe</i>	5-10m	Scrub Cherry
<i>Tristaniopsis laurina</i>	10-15m	Water Gum
<i>Waterhousea floribunda</i>	5-10m	Weeping Lilly Pilly

* Exotic grass species. BSC does not particularly promote the use of exotic grasses. However, if these grasses are already on site then they can be utilised in the land application area.