

Indigenous plants of the Geelong Region

ZONE 19

Consists of a variety of formations including dunes, cliffs and estuaries with the coastal processes having exposed a variety of geological types including clay, basalt, limestone etc. Vegetation distribution is to a large extent due to localised physical influences exerted by the sea eg. salt laden winds. The average rainfall is 40 - 65cm.

COASTAL ZONES OF THE GEELONG REGION

From Torquay to Point Lonsdale, typical dune communities of Climbing Lignum, Coast Wattle, White Correa, Coast Tea-tree, Coast Beard-heath, Coast Daisy-bush, Coast Everlasting, Cushion Bush and Dune Thistle are found along many parts of the seafront reserves.

From Point Lonsdale east around the Bay to Indented Head, scrub and woodlands occurred on sandy soils. Common tree and shrub species are Coast Daisy-bush, Coast Tea-tree, Boobiolla, Coast Wirilda, Moonah, Coast Wattle and Coast Beard-heath. Drooping Sheoke is common along the cliff tops particularly on the Corio Bay side of the Bellarine Peninsula.

Generally the vegetation of the western coastline of Port Phillip Bay (St. Leonards to Kirk Point) is dominated by salt tolerant species. The relatively flat topography and saline soils supports extensive saltmarshes and saline swamps and lagoons. From Indented Head to Kirk Point, marsh grasses including Australian Salt Grass and Coast Spear-grass dominate. Associated with the salt marshes are saline swamps supporting Sea Rush and Chaffy Saw-sedge sedgeland.

On the seaward edges of the salt marshes, on the beach and within the influence of high tides grows a community of Hairy Spinifex and Grey Saltbush. There are often large areas of Bower Spinach and Seaberry Saltbush along this section of the coast. Many other smaller species and grasses are indigenous to this area and are not listed in the tables on this sheet.



Black Sheoke

Illustrations: George Stolfo, courtesy of Hyland House

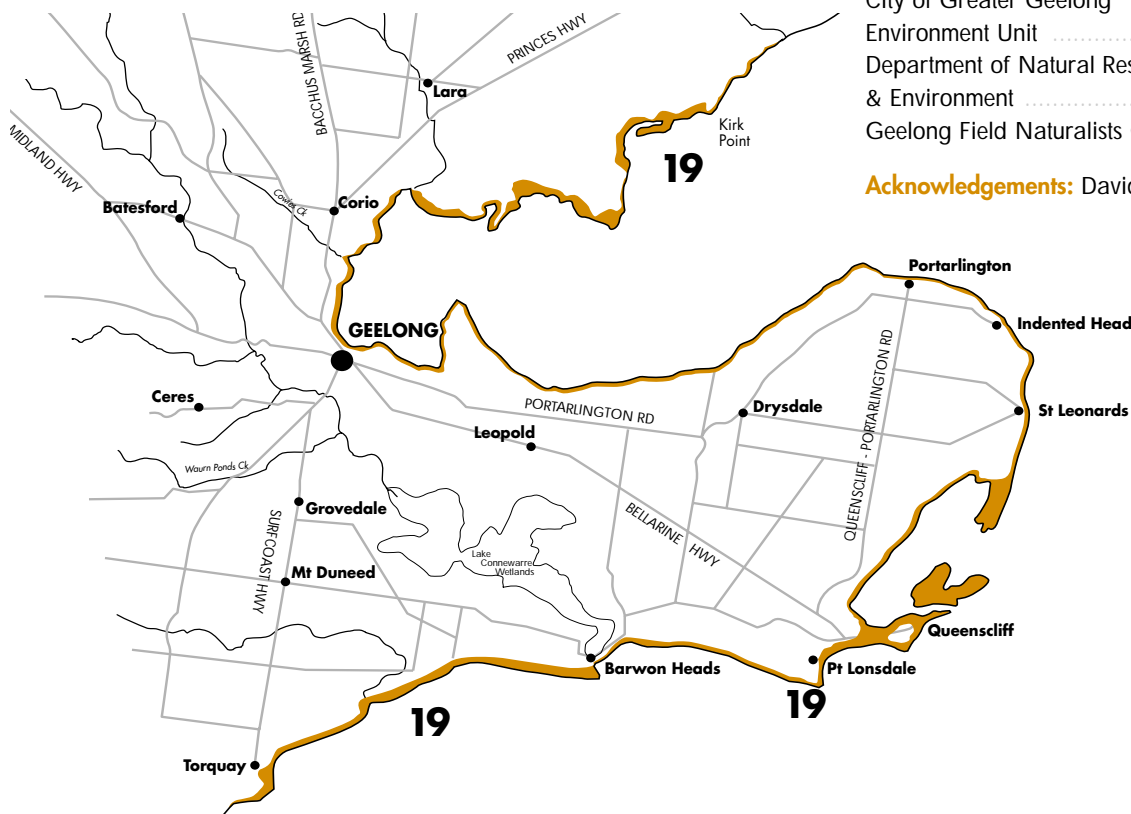
Local Indigenous Nurseries

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TREE SPECIES			Torquay to Pt Lonsdale		Pt Lonsdale to Indented Head	Indented Hd to Kirk Point
Common name	Botanical name	Size (H x W m)	Swamps & flats	Dunes	Dunes & cliffs	Saltmarsh, dunes & cliffs
Black Sheoke	<i>Allocasuarina littoralis</i>	4-8 x 2-5			◆ sheltered cliffs	
Drooping Sheoke	<i>Allocasuarina verticillata</i>	4-11 x 3-6		◆ behind dunes	◆ cliffs	
Coast Manna Gum	<i>Eucalyptus pryoriana</i>	10-15 x 10-15	◆ sheltered areas		◆ sheltered areas	
Cherry Ballart	<i>Exocarpos cupressiformis</i>	3-8 x 3-5	◆			
Moonah	<i>Melaleuca lanceolata</i>	1-8 x 3-6	◆	◆	◆ On cliffs	◆

SHRUB AND UNDERSTOREY SPECIES			Torquay to Pt Lonsdale		Pt Lonsdale to Indented Head	Indented Hd to Kirk Point
Common name	Botanical name	Size (H x W m)	Swamps & flats	Dunes	Dunes & cliffs	Saltmarsh, dunes & cliffs
Hedge Wattle	<i>Acacia paradoxa</i>	2-4 x 2-5		◆ cliffs	◆	
Coast Wirilda	<i>Acacia retinodes</i> <i>var. uncifolia</i>	4-8 x 3-5	◆	◆	◆ sheltered areas	
*Coast Wattle	<i>Acacia sophorae</i>	1-8 x 4-8		◆ foredunes	◆ foredunes	
Coast Bitter-bush	<i>Adriana klotzschii</i>	1.5 x 2.5		◆	◆	
Dwarf Sheoke	<i>Allocasuarina misera</i>	0.5 x 1-2		◆ Pt Lonsdale		
Sea Box	<i>Alyxia buxifolia</i>	1-2 x 1-3		◆ cliffs	◆	◆
Coast Salt-bush	<i>Atriplex cinerea</i>	1-2 x 2-3	◆	◆	◆ coastal fringe	◆
Coast Banksia	<i>Banksia integrifolia</i>	1-10 x 1-5		◆ Pt Lonsdale sheltered areas		
Silver Banksia	<i>Banksia marginata</i>	1-10 x 1-5				◆
Sweet Bursaria	<i>Bursaria spinosa</i>	2-6 x 2-3		◆	◆ sheltered areas	◆ sheltered areas
Cushion Bush	<i>Leucophyta brownii</i>	0.2-1 x 2		◆ foredune	◆	
Common Correa	<i>Correa reflexa</i>	0.3-2 x 1-2		◆ older dunes		◆
Coast Flax-lily	<i>Dianella revoluta</i> <i>var. brevicaulis</i>	0.3 x 0.5		◆	◆	◆
Rounded Noon Flower	<i>Disphyma crassifolium</i>	0.5-2 x 0.1	◆			◆
Silky Guinea-flower	<i>Hibbertia sericea</i>	0.3-1 x 0.6		◆ behind dunes	◆ behind dunes	
*Coast Tea-tree	<i>Leptospermum laevigatum</i>	2-8 x 2-4		◆ indigenous east of Torquay only	◆ foredunes	
Coast Beard-heath	<i>Leucopogon parviflorus</i>	1-4 x 2-3		◆	◆ widespread	◆
Common Boobialla	<i>Myoporum insulare</i>	1-6 x 3		◆ uncommon (Pt. Lons. dunes)	◆ widespread	◆ widespread
Coast Daisy-bush	<i>Olearia axillaris</i>	1-2 x 1-2		◆	◆	◆
Thyme Rice-flower	<i>Pimelea serphyllifolia</i>	1-2 x 0.1-1.5		◆	◆	
Coast Pomaderris	<i>Pomaderris paniculosa</i> <i>ssp. paralia</i>	1.5 x 1- 1.5		◆	◆	
Seaberry Saltbush	<i>Rhagodia candolleana</i>	2 x 1-2.5		◆	◆ rear dunes and protected sites	◆
Kangaroo Apple	<i>Solanum laciniatum</i>	1-3 x 1-3	◆ well-drained and moist	◆ cliffs	◆ cliffs	

GROUNDCOVER & TUSSOCK SPECIES			Torquay to Pt Lonsdale		Pt Lonsdale to Indented Head	Indented Hd to Kirk Point
Common name	Botanical name	Size (H x W m)	Swamps & flats	Dunes	Dunes & cliffs	Saltmarsh, dunes & cliffs
Dune Thistle	<i>Actites megalocarpa</i>	0.5 x 0.5		◆	◆	
Cranberry Heath	<i>Astroloma humifusum</i>	0.5 x 1-1.5		◆ rear dunes	◆ rear dunes	
Karkalla (Pig Face)	<i>Carpobrotus rossii</i>	0.2 x 2-3		◆	◆	
Australian Salt Grass	<i>Distichlis distichophylla</i>	1 x 0.2	◆			◆
Knobby Club-rush	<i>Isolepis nodosa</i>	1.5 x 0.6-2	◆	◆	◆	◆
Beaded Glasswort	<i>Sarcocornia quinqueflora</i>	0.2 x 0.5	◆			◆
Hairy Spinifex	<i>Spinifex sericeus</i>	1-5 x 0.6		◆	◆	
Coast Spear-Grass	<i>Stipa stipoides</i>	0.3 x 0.8		◆	◆	
Austral Seablite	<i>Suaeda australis</i>	0.8 x 0.3-1	◆			◆
Bower Spinach	<i>Tetragonia implexicoma</i>	3 x 0.1		◆	◆	
Coast Twin-leaf	<i>Zygophyllum billardierei</i>	0.3-0.6 x 1		◆	◆	

◆ - species is present in areas of remnant vegetation ❖ - species once occurred in this area

* These species, because of their invasive nature can become environmental weeds. Care should be taken over the selection of these species