Superb Blue-wrens

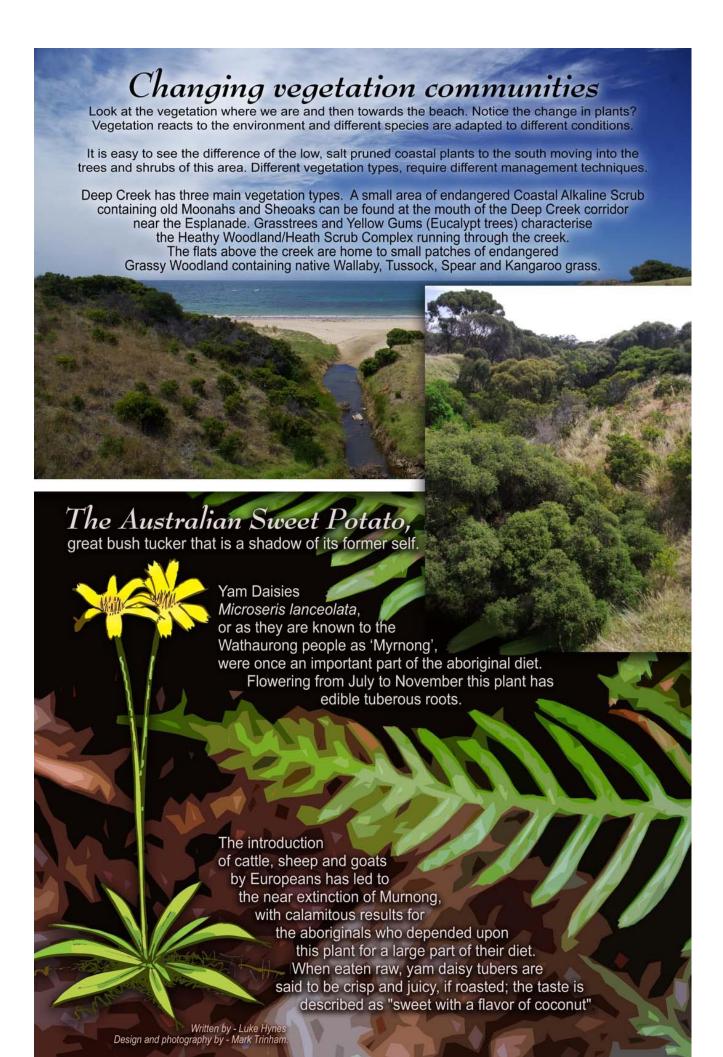
The Superb Blue-wren can be seen in two different colours and patterns. The adult males have blue plumage and females and immature males are brown. If you manage to see a male strutting his stuff, somewhere nearby will be a group of small brown birds. These are the mother, and 'stay at home' sons and daughters of previous broods. The Superb Fairy-wren mainly eats insects and supplements its diet with seeds.

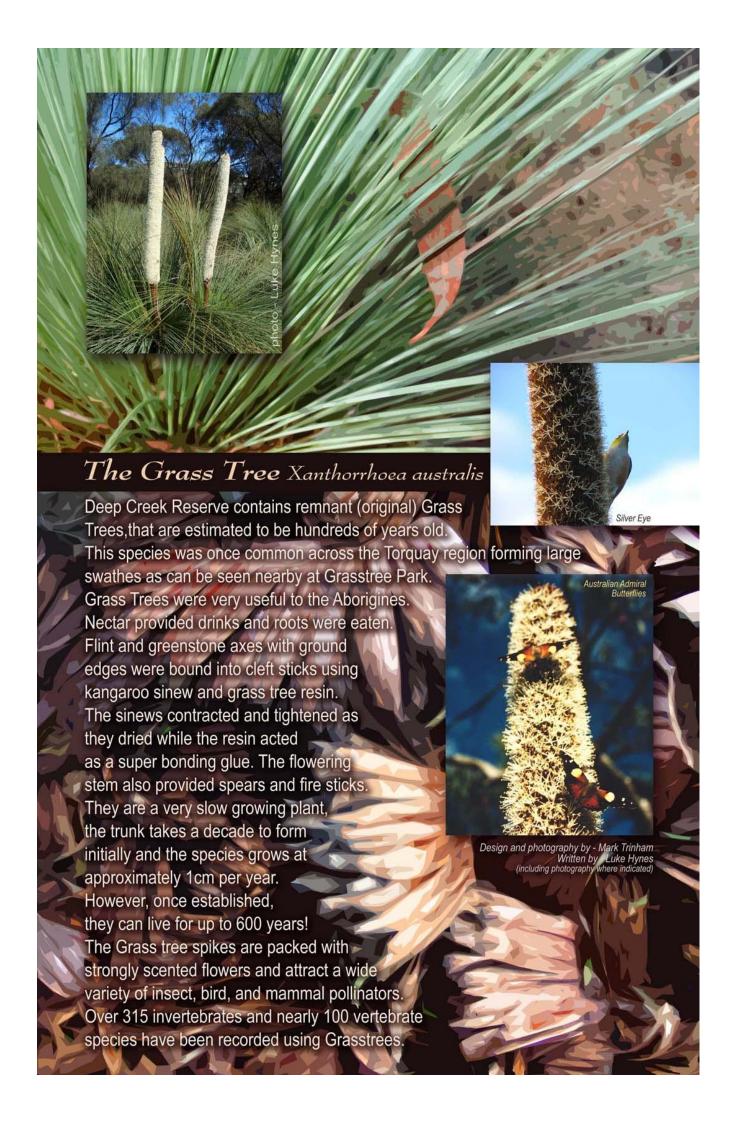
If you are lucky enough to be here in spring (Sept–Dec) you might see the Chocolate Lily Arthropodium strictum in flower. The Chocolate Lily displays beautiful purple flowers that give off a pleasant chocolate smell during spring. This is a great plant to impress your friends in your own garden.

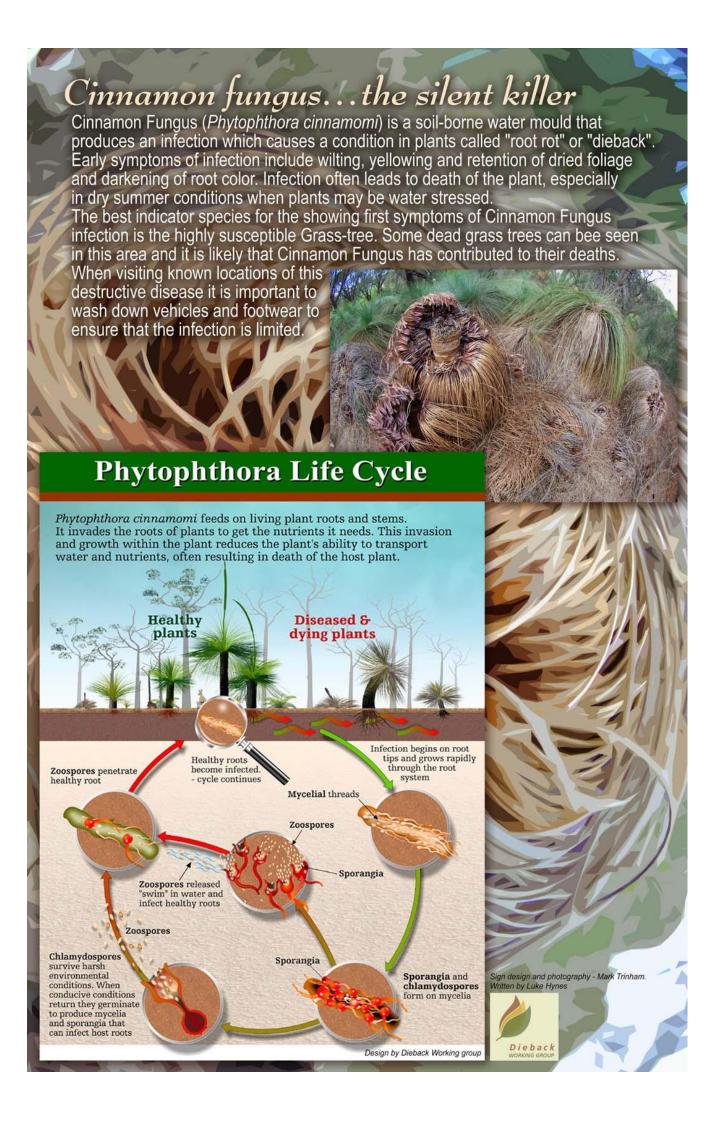
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MMMMM Chocolate...

A similar looking plant in this area which flowers from August to May is the native Flax Lily *Dianella breviculmis*. Aborigines ate the purple berries and used them to obtain blue dye.

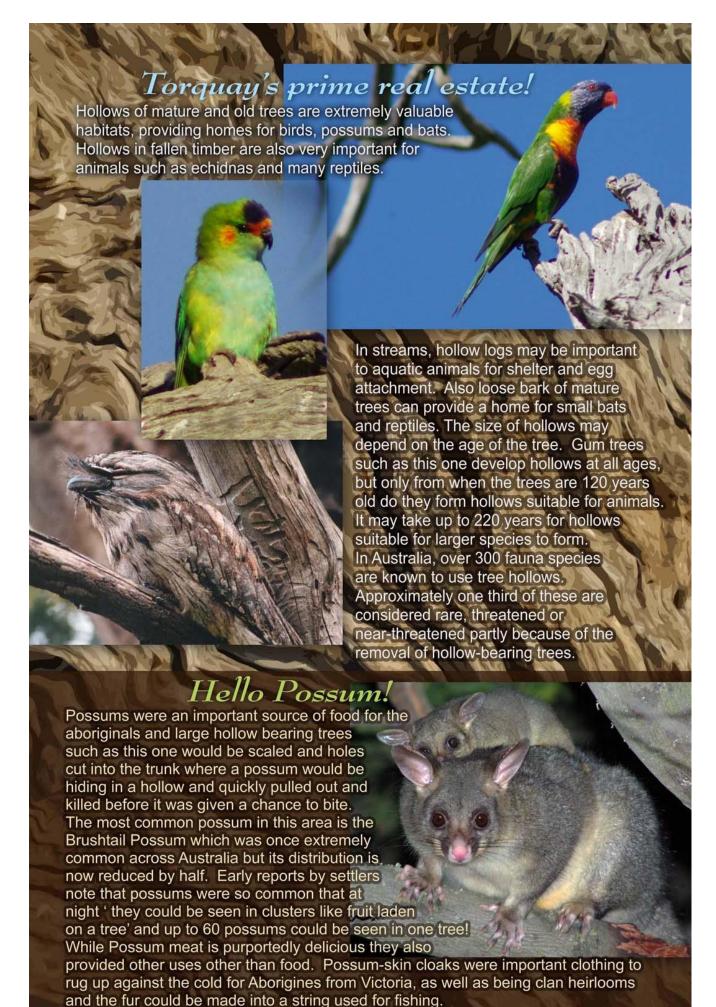












Sweet Bursaria Bursaria spinosa



"Bursaria" derives from the Greek word "bursa". Used to describe a sack, pouch or purse-like structure. Relating to the many purse like seed capsules that are prominently displayed from late summer onwards. "Spinosa" refers to the spiny/thorny nature of the plant.

A spidery business

Common Brown Butterflu

If you look closely at the Sweet Bursaria bushes you will notice an intricate architecture of thorns and twiggy foliage, which is perfect for spiders to construct their webs.

When the bushes are flowering, their sweet nectar attracts a myriad of insects, only to be entrapped in these three dimensional spider snares. These spider webs also have an important role in attracting a diversity of birds.

In order for successful nest building to be completed by a number of our native birds, such as Grey Fantails, Crescent, Black Headed and New Holland Honeyeaters, Brown Thornbills, and Robins, they are reliant on spider web spinnings to knit their nests together.

Bursaria sunscreen? Aesculin, a chemical found in the leaves of Bursaria absorbs ultra-violet light. This was recognised by early settlers and also resulted in the commercial exploitation of the plant for sunscreen in the 1940's

Each "Bursaria" bush offers a nectar and larval food source for birds, beetles, butterflies, moths, wasps, bees, ants, etc. This in turn, allows pollination, seed dispersal and nutrient cycling processes to be initiated. These are important components of natural ecosystem processes.

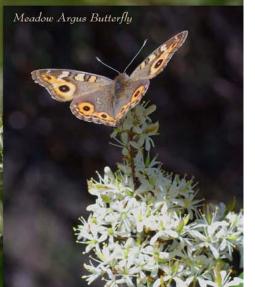
A Butterfly's best friend

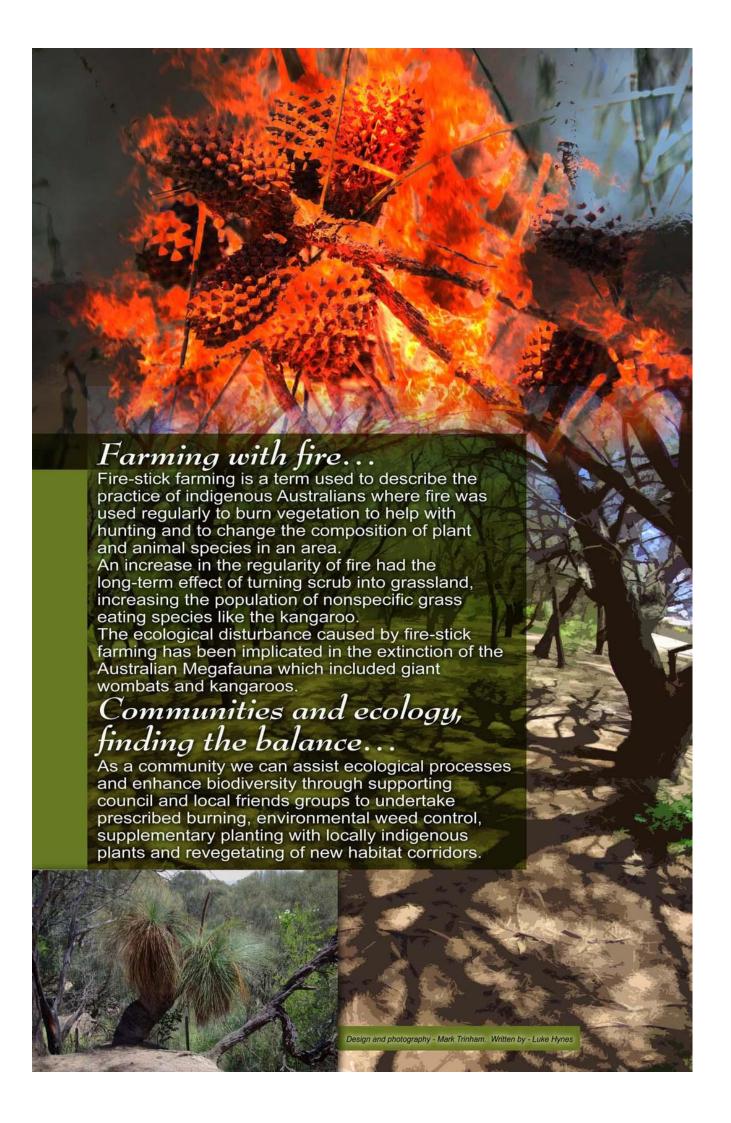
Sweet Bursaria is a well-known butterfly plant.
Its anthers bearing the pollen are well outside the flower which dab all over the visiting insect's body.
One butterfly in particluar, the Bright Copper Butterfly relies solely on "Bursaria" for its larval food. This butterfly has a symbiotic relationship with black ants that attend its caterpillars protecting them from predators, in exchange for their honey-like fluid



secretions.







Nature and urbanization working together.

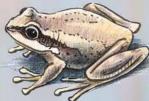
The wetlands you see here have been created to treat stormwater (rainwater runoff from houses and streets) before it enters Deep Creek and then the ocean. The aquatic and semi-aquatic plants remove nitrogen, pollutants and sediments and slow the water flow. This storm water management wetland is a great example of how ecological processes can be used in urbanized environments.

Teeming with life!

Wetlands provide food, water, shelter, breeding sites and foraging habitat for many different fauna species including birds, reptiles, frogs, mammals and insects.

Wetland birds that might be seen here include:

Chestnut Teal, Pacific Black Duck, White-faced Heron, Black-fronted Dotterel, Cormorant, Swamphen, SpoonFrogs that might be seen (and heard!) here



Southern Brown Tree Frog.

Call: The male mating call is a rising "cree" repeated every half a

Common Froglet.

Call: The call sounds like crickets and may be a single squelchy 'crick' or many repeated 'crick-crick-cricks'

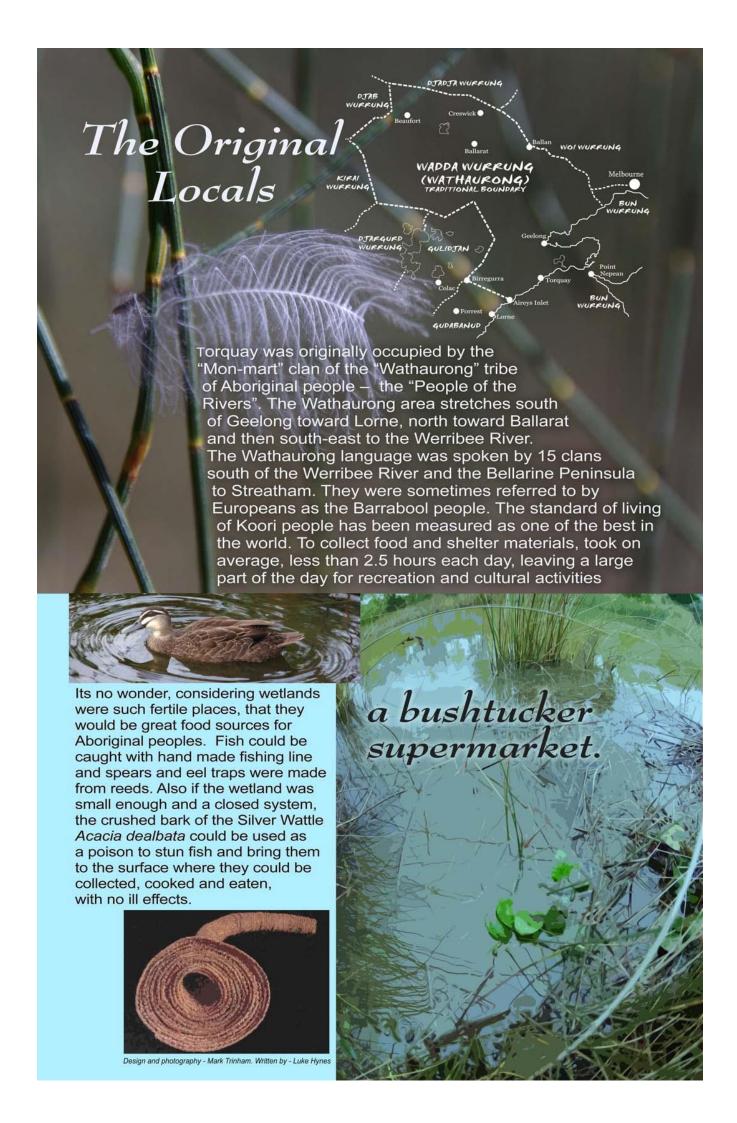


Southern Bullfrog.

Call: It has a very distinctive call, ending with a loud 'bonk' and is often called the Pobblebonk or Banjo Frog







Bellarine Yellow Gum Eucalyptus leucoxylon subsp. bellarinensis

This tree is only found in the Bellarine peninsula with Torquay and Jan Juc supporting the western most limit of its distribution. It's winter flowering provides an important source of nectar during this period when little else is flowering.

It has been listed as 'threatened' under the Flora and Fauna Guarantee Act 1988 and is considered 'endangered' in Victoria.

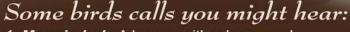
Bellarine Yellow Gum recruitment is

currently insufficient adequately replace senescence of mature trees and propagation is required to maintain populations.

In the Surf Coast Shire 86% of sites are without regeneration. There are some seedlings in the area which can be seen with large heart-shaped, opposite leaves often joined at the base.







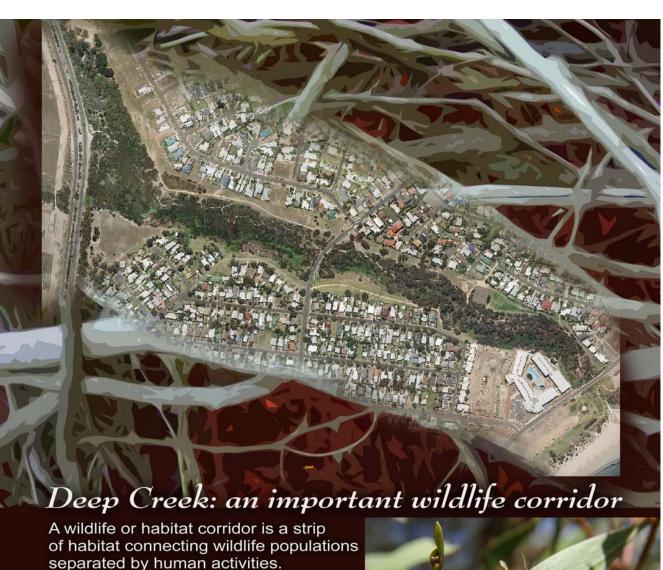
- 1. Magpie-lark: A 'pee-o-wit' or 'pee-wee'
- 2. Grey Butcherbird: a rich piping with some mimicry and harsher notes.
- 3. Australian Raven: slow, high ah-ah-aaaah with the last note drawn out.
- 4. Sulphur-crested Cockatoo: a distinctive loud screech,

ending with a slight upward inflection

- 5. New Holland Honeyeater: a loud 'chik', a fainter 'pseet' and some chattering notes. If danger, such as a bird of prey approaches, a group of honeyeaters will join together and give a loud alarm call.
- 6. Grey Shrike-thrush: The call varies throughout its range and between individuals, but typical phrases include "pip-pip-pip-pip-hoee",

"pur-pur-kwee-yew", and a sharp "yorrick".

7. Rainbow lorikeet: call in flight is a loud, metallic, rolling screech, interspersed with a chattering trill.



The Deep Creek Reserve connects the Torquay foreshore with patches of inland heathy woodland vegetation.

Habitat corridors allow an exchange of individuals between populations,

increasing effective population size, and help re-establish populations that have been decimated or eliminated.

Habitat corridors may potentially moderate some of the worst effects of habitat fragmentation as can be seen in the ongoing urbanization of the Torquay area.

Riparian vegetation is the term given to vegetation along watercourses.

These areas are important natural biofilters. They protect aquatic environments from excessive sedimentation, polluted surface runoff and erosion.

Further, they supply shelter and food for many aquatic animals and shade that is an important part of stream temperature regulation.

Luckily, vegetation is often retained along waterways in urban environments due to the steep banks and lack of suitability to build.

