



ALLEN NOBLE SANCTUARY

Background
The Sanctuary is a naturally-occurring fresh water marsh. The marsh is filled by run-off and rainfall. Overflow above normal water level is piped under the Ocean Road at the Inlet Crescent intersection, eventually flowing to Painkalac Creek near River Road.

Photographs taken in the early 20th century show the marsh and its surrounds bare of trees, & accessible to stock for water and grazing.

1960's to the Present
During a severe drought in 1967 & 1968 the marsh dried out. Around this time, Ian Noble, nephew of the late Allen Noble of Angahook Homestead, supervised the removal of silts and gravels which had built up over many decades. The existing island in the centre of the marsh was built with surplus material from this work. Following this work and the breaking of the drought, the marsh refilled, water plants regenerated, and bird life returned to a variety of shallow and deeper water habitats.

In the three decades since the work of 1967/68, the following changes have occurred within the Sanctuary:

- Gravel sediment from roads, and finer sediments from elsewhere in the catchment, have been transported into the marsh. Areas of open water have become smaller as a consequence of sedimentation.
- Introduced species have established on terrestrial margins of the marsh. Many of these species are noxious or serious environmental weeds.

The results of these changes are:

- Less open water visible
- Less diversity in & habitat for fauna
- A loss of visual interest and attractiveness

DESIGN AIMS & STRATEGIES

Aim 1 Improve the diversity & quality of marsh habitats; limit disturbance when works are implemented	→	Strategy 1 Remove sediments on the east and north sides of the marsh; no dredging to west and south sides of the marsh. Create deeper open water areas.
Aim 2 Reduce the rate of future sedimentation.	→	Strategy 2 Construct sedimentation ponds where stormwater pipes discharge to the marsh.
Aim 3 Maintain & improve natural values on land.	→	Strategy 3 Progressively remove & control introduced plant species; buffer the marsh margins with indigenous terrestrial plant species.
Aim 4 Preserve important cultural values within the site.	→	Strategy 4 Retain Willow border along Angahook Homestead margin of marsh. Control spread of willows beyond existing extent.
Aim 5 Provide opportunities for appreciation & enjoyment of the Sanctuary and its natural values.	→	Strategy 5 Provide paths, boardwalks, seating and simple picnic facilities.

Selected Indigenous Plant List

Botanical Name	Common Name	Role	Botanical Name	Common Name	Role
<i>Allocasuarina verticillata</i>	Drooping She-oak	Theme Tree	<i>Rhagodia candolleana</i>	Seaberry Saltbush	T/A
<i>Melaleuca lanceolata</i>	Moonah	Theme Tree	<i>Solanum laciniatum</i>	Kangaroo Apple	T/A
<i>Melaleuca squarrosa</i>	Scented Paperbark	Theme Tree	<i>Tetragonia implexicoma</i>	Bower Spinach	T/A
<i>Acacia melanoxylon</i>	Blackwood	T/A	<i>Eleocharis gracilis</i>	Slender Spike-rush	Sediment ponds
<i>Acaena novae-zelandiae</i>	Bidgee-widgee	T/A	<i>Eleocharis sphacelata</i>	Tall Spike-rush	Sediment ponds
<i>Carex appressa</i>	Tall Sedge	T/A	<i>Isoplepis inundata</i>	Swamp Club-rush	Sediment ponds
<i>Dianella sp.</i>	Black-anther Flax-lily	T/A	<i>Myriophyllum simulans</i>	Amphibious Water - milfoil	Sediment ponds
<i>Isoplepis nodosa</i>	Knobby Club-sedge	T/A	<i>Neopaxia australasica</i>	White Purslane	Marsh
<i>Juncus sp.</i>	Rushes	T/A	<i>Persicaria decipiens</i>	Slender Knotweed	Sediment ponds
<i>Poa labillardieri</i>	Tussock Grass	T/A	<i>Triglochin procerum</i>	Water Ribbons	Sediment ponds
<i>Rhagodia candolleana</i>	Seaberry Saltbush	T/A	T/A equals Terrestrial / Amenity Planting		

LEGEND

- Wetland Theme Tree
- Marsh Edge - Normal Water Level (level as existing)
- Marshland Vegetation
- Walking Path - Barrabool Gravel
- Boardwalk - durable timber
- Sign - durable timber
- Picnic Table - durable timber
- Existing contour - level in metres to Australian Height Datum
- Proposed contour - level in metres to Australian Height Datum
- Vehicle Barrier - Timber bollard
- Grass
- Existing Monterey Cypress - to be retained
- Existing Willows - to be retained
- Existing trees - to be removed
- Terrestrial Buffer / Amenity Planting Area (T/A)

NOTE: Inlet Crescent / Great Ocean Road intersection shown as per proposed Surf Coast Shire intersection design.

KEY

- ① Sanctuary Entry Point
- ② Open Grassed Area - viewing, passive recreation, picnic area
- ③ Sediment Pond - road drains discharge to pond, coarse sediments settle in pond
- ④ Island - enlarged, theme tree and low shrub planting
- ⑤ Bird Hide - constructed in existing *Melaleuca* thicket
- ⑥ *Melaleuca* thicket - additional planting to extend thicket, provide roosting sites and refuge for birds
- ⑦ Theme tree and low shrub planting to road and marsh verge