



## **CURLEYS BAY RESERVE BUSHCARE ACTION PLAN**

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Produced By: Planning & Development Group - Review Date: 22/07/2017**

### **CONTACT INFORMATION**

<b>Group Name:</b>	<b>The Marina Culburra Bushcare Group</b>	
<b>Reserve Name:</b>	<b>Curley Bay Reserve</b>	
<b>Reserve No:</b>	<b>CCU260</b>	
<b>Land Tenure:</b>	<b>SCC</b>	<b>Comm. Land Type: Natural Area/Park</b>

### **1. BUSHCARE GROUP GOALS**

- 1. To protect and improve the native vegetation of Curley Bay Reserve (Culburra)**
- 2. To enhance the aesthetic and biodiversity qualities of Curley Bay Reserve.**
- 3. Focus initially is only on the northern end, in particular, the vegetation immediately surrounding the open grassed area.**

**2. SHOALHAVEN BUSHCARE GROUP ACTIVITIES TABLE (to be in conjunction with attached site map)**

**NOTE: Priority should be rated as H = High (within 12 months); M = Medium (1-3 years); L = Low**

GROUP ACTION (these should relate to your project description)	PRIORITY	METHOD	TIME
1. Clear around small stands of trees in grassed, open area.	H	-Hand pull annual weeds. -Cut & paint / spray Japanese Honeysuckle. -Brushcut / spray grass.	1yr
2. Push from open area west & south-west into Casuarina tree line, treating weeds	H	-Cut & paint Lantana and Senna. -Spray Blackberry. - Cut & paint / spray Japanese Honeysuckle.	1yr
3. Plant where appropriate along west & south-west edge of grassed, open area.	H	-Mulch prior to planting if deemed necessary. -Plant locally sourced, endemic natives to fill gaps in vegetation and provide a buffer.	1yr
4. Continue weed treatment west, down bank to edge of wetland, and south to complete Stage 1.	M	-Continued treatment of weeds as before. -Dig crowns of Asparagus fern & Bridal Creeper. -Spray denser areas of Asparagus fern.	3yrs

<b>GROUP ACTION (these should relate to your project description)</b>	<b>PRIORITY</b>	<b>METHOD</b>	<b>TIME</b>
<p><i>Note: All revegetation undertaken as part of this Bushcare Plan on foreshore reserve will not impact on the current/existing views/vistas that currently exist and have not been created by the wilful destruction and/or damage to foreshore vegetation. The revegetation works will comply with all state and local government regulations, plans and polices that effect the zoning of the land.</i></p>			

## Curley Bay Reserve Action Plan Map

### Proposed Stage 1:

- \*Clearing around trees in open area.
- \*Working in towards Casuarina edge, targeting Lantana, Senna, Honeysuckle, Blackberry & annual weeds.
- \*Planting along edge where appropriate.

Moderate-High density weeds - primarily Lantana, with Senna (esp in lower, moist areas) and Honeysuckle along upper edge around cleared area. Bridal Creeper and Asparagus fern along swamp edge.

Very high density weeds - primarily Asparagus fern

Moderate-High density weeds - primarily Lantana, with Senna (esp in lower, moist areas) and various succulents and other weeds along south-west edges.

**Low Density Weeds**  
**Moderate-High Density Weeds**  
**Very High Density Weeds**





**Curley Bay Reserve north-east corner**



**Curley Bay Reserve south-east corner**



**Curley Bay Reserve wetland edge**





**Moderate-high density weeds: Lantana and Senna with some Asparagus fern**



**Very high density Asparagus fern**

### 3. BUSHCARE GROUP OH&S & EQUIPMENT REQUIREMENTS

Type of Activity	Yes	SWMS name included
Manual weed control (cut & paint, scrape and paint etc)	x	SWMS1127
Chemical control (spraying of herbicides)	x	SWMS1127
Planting	x	SWMS997
Minor construction (walking track, fencing, outdoor furniture)		
Propagation & seed collection	x	SWMS997
Education (school groups, field days etc)		
Other		

### 4. COUNCIL SUPPORT

- Technical advice and support
- Provision of PPE equipment
- Supply tools, herbicide and materials within the constraints of budget
- Administration support
- Assistance with grant application, administration and management.
- Graphic design and printing assistance
- Assistance with facilitation and negotiation with third parties

### 5. HAS A SITE HAZARD AND RISK ASSESSMENT BEEN COMPLETED FOR THE BUSHCARE SITE?

Yes      x      No     

### 6. LIST THE PERSONAL PROTECTION EQUIPMENT REQUIRED FOR VOLUNTEERS WHILST WORKING ON THE SITE

PPE Equipment Required	Date issued
First Aid Kit	2012
Gloves	2012
Sunscreen	2012
Insect repellent	2012

**7. POSSIBLE FUTURE FUNDING**

<b>Project</b>	<b>Funding source</b>
Regeneration of the Curleys Bay site	Various

**8. PLAN WILL BE REVIEWED EVERY THREE YEARS**

**Next review due:**

...../...../.....

**9. PLEASE LIST OTHER LOCAL OR REGIONAL MANAGEMENT PLANS OR STRATEGIES THAT THIS PLAN RELATES TO**

<b>Name of document</b>	<b>Year it was produced</b>	<b>Produced by</b>
Generic Community Land Plan of Management – Natural Areas	2001	Shoalhaven City Council
Foreshore Reserves Policy	2005	Shoalhaven City Council
Southern Rivers Catchment Action Plan 2013 - 2023	2013	Southern Rivers Catchment Management Authority



## 10. RECOMMENDED PLANTING/REVEGETATION SPECIES LIST

<b>OVERSTOREY TREES</b>	
<b>Botanical</b>	<b>Common</b>
<i>Acacia binervata</i>	Two-veined hickory
<i>Angophora floribunda</i>	Rough-barked Apple
<i>Casuarina glauca</i>	Swamp She-oak
<i>Eucalyptus botryoides</i>	Bangalay
<i>Glochidion ferdinandi</i>	Cheese Tree
<b>SHRUBS</b>	
<b>Botanical</b>	<b>Common</b>
<i>Breynia oblongifolia</i>	Breynia
<i>Juncus kraussii</i>	Sea-rush
<i>Kunzea ambigua</i>	Tick-bush
<i>Lomandra longifolia</i>	Spiny mat-rush
<i>Melaleuca ericifolia</i>	Swamp Paperbark
<i>Omalanthus populifolius</i>	Bleeding Heart
<b>UNDERSTOREY (grasses, herbs, climbers)</b>	
<b>Botanical</b>	<b>Common</b>
<i>Carex appressa</i>	Carex
<i>Commelina cyanea</i>	
<i>Microlaena stypoides</i>	Weeping Meadow Grass
<i>Parsonsia straminea</i>	Common Silk-pod
<i>Tetragonia tetraganoides</i>	New Zealand Spinach
<i>Viola hederacea</i>	Native Violet

## 11. SITE WEED LIST

Noxious	Environmental	Control Method
Bitou bush (4)		HP/CP
Blackberry (4)		Dig rhizome/spray Triclopyr as per label instructions
Bridal creeper (5)		Dig rhizome/ Fungal rust
Lantana (4 or 5)		HP/CP
Privet - small leaf (4)		CP/Drill&fill
Willow (Salix caprea?) (5)		CP/Drill&fill
	Asparagus fern	Dig rhizome
	Bidens	HP/SP
	Blue Passionflower	HP
	Bromeliad	Dig & remove
	Buffalo grass	SP
	Chick weed	
	Crassula	HP and bag/ spray fluroxypyr (200g/L) at 100ml/10L + surfactant
	Crofton weed	HP
	Fishbone fern	HP/ SP
	Giant Reed (Arundo donax)	CP
	Indian Hawthorn	CP
	Inkweed	HP/CP
	Japanese honeysuckle	HP/CP/ SP
	Jasmine	HP/CP
	Kikuyu	SP
	Kurnell curse (pennywort)	
	Mickey Mouse Plant	Scrape & paint stems
	Mirror bush	CP/ drill or frill if large
	Moth vine	HP
	Nasturtium	HP
	New Zealand Flax	Dig/CP
	Norfolk Island hibiscus	CP/ drill or frill if large
	Onion grass	
	Oxalis	
	Paspalum	Mow/spray
	Petty spurge	
	Phoenix palm	CP
	Plantain	HP/SP
	Purple top	HP/SP
	Scotch thistle	HP/ SP
	Senna	HP/CP
	South African daisy	HP/ SP
	Sow thistle	HP/ SP
	Spider lily	HP and bag
	Stinking Roger	HP
	Trad	HP and bag/ spray fluroxypyr (200g/L) at 100ml/10L + surfactant
	Turkey rhubarb	Dig tubers/SP
	Watsonia	Bag seeds/spray

## 12. BUSHCARE SITE SPECIES LIST

OVERSTOREY TREES	
Botanical	Common
<i>Acacia binervata</i>	Two-veined hickory
<i>Agiceras corniculatum</i>	River Mangrove
<i>Allocasuarina littoralis</i>	Black She-oak
<i>Angophora floribunda</i>	Rough-barked Apple
<i>Avicennia marina</i>	Grey Mangrove
<i>Casuarina glauca</i>	Swamp She-oak
<i>Eucalyptus botryoides</i>	Bangalay
<i>Eucalyptus paniculata</i>	Grey Ironbark
<i>Eucalyptus tereticornis</i>	Forest Red-gum
<i>Exocarpus cupressiformis</i>	Native Cherry
<i>Glochidion ferdinandi</i>	Cheese Tree
<i>Pittosporum undulatum</i>	Sweet Pittosporum

SHRUBS & MID-STOREY	
Botanical	Common
<i>Acacia longifolia</i> var. <i>longifolia</i>	Sydney Golden Wattle
<i>Amyena cambagei</i>	She-oak Mistletoe
<i>Breynia oblongifolia</i>	Breynia
<i>Callistemon pinifolius</i> ??	
<i>Calochlaena dubia</i>	False Bracken
<i>Ghania</i> sp.	Gahnia
<i>Juncus kraussii</i>	Sea-rush
<i>Kunzea ambigua</i>	Tick-bush
<i>Lomandra longifolia</i>	Spiny mat-rush
<i>Melaleuca ericifolia</i>	Swamp Paperbark
<i>Omalanthus populifolius</i>	Bleeding Heart
<i>Phragmites australis</i>	Native reed
<i>Pittosporum revolutum</i>	
<i>Pteridium esculentum</i>	Bracken
<i>Solanum americanum</i>	
<i>Typha</i> sp.	Bullrush



<b>UNDERSTOREY (grasses, herbs, orchids)</b>	
<b>Botanical</b>	<b>Common</b>
<i>Carex appressa</i>	Carex
<i>Commelina cyanea</i>	
<i>Dichondra repens</i>	Kidney Weed
<i>Entolasia stricta</i>	Angle-grass
<i>Microlaena stypoides</i>	Weeping Meadow Grass
<i>Oplismenus aemulus</i>	Basket grass
<i>Pratia purpurescens</i>	White Root
<i>Samolus repens</i>	
<i>Senecio hispidulus</i>	Rough Groundsel
<i>Sporobolus virginicus</i>	Salt Couch
<i>Tetragonia tetraganoides</i>	New Zealand Spinach
<i>Viola hederacea</i>	Native Violet

<b>UNDERSTOREY (vines &amp; climbers)</b>	
<b>Botanical</b>	<b>Common</b>
<i>Billardeira scandens</i>	Apple Berry
<i>Cassytha pubescens</i>	Devil's Twine
<i>Eustrephus latifolia</i>	Wombat Berry
<i>Glycine clandestina</i>	Love Creeper
<i>Morinda jasminoides</i>	Jasmine Morinda
<i>Parsonsia straminea</i>	Common Silk-pod
<i>Rubus parvifolius</i>	Native Raspberry
<i>Stephania japonica</i>	Snake Vine

**Bushcare Group Name** .....

**Coordinator Name** .....

**Signature** .....

**Date** .... / ..... / .....

