



CURLEYS BAY RESERVE BUSHCARE ACTION PLAN

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CONTACT INFORMATION

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

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

GROUP ACTION (these should relate to your project description)	PRIORITY	METHOD	TIME
<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

Project	Funding source
Regeneration of the Curleys Bay site	Various

8. PLAN WILL BE REVIEWED EVERY THREE YEARS

Next review due:

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

Name of document	Year it was produced	Produced by
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

OVERSTOREY TREES	
Botanical	Common
<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
SHRUBS	
Botanical	Common
<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
UNDERSTOREY (grasses, herbs, climbers)	
Botanical	Common
<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

UNDERSTOREY (grasses, herbs, orchids)	
Botanical	Common
<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

UNDERSTOREY (vines & climbers)	
Botanical	Common
<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 / /

