



MIA WAY BUSHCARE ACTION PLAN

CONTACT INFORMATION

Group Name:	Mia Way Bushcare Group
Contact:	Alex Reid
Address:	91 The Marina, Culburra Beach
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Reserve Name:	Culburra Beach
Reserve No:	CCU277
Land Tenure:	Shoalhaven City Council
Comm. Land Type:	Natural Area – Foreshore

1. BUSHCARE GROUP GOALS

The aim of the Mia Way Bushcare Group is to restore the biodiversity of the Culburra Beach Reserve by the removal of environmental and noxious weeds and revegetating with local native coastal plant species. The Bushcare site area is adjacent to the Belgrave Street beach access track in the North and to the Mall beach access track in the south (see site map).

2. SHOALHAVEN BUSHCARE GROUP ACTIVITIES TABLE

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

GROUP ACTION	PRIORITY	METHOD	TIME
Undertake GPS survey of private property boundaries and reserve boundary	M	Bushcare Coordinator to GPS and mark boundaries	2011
Bushcare Group to set up photo monitoring points to measure restoration project	M	Council to provide training to Bushcare in monitoring techniques	2012
<p>Removal and control of the following exotic weeds:</p> <ol style="list-style-type: none"> 1. Bitou Bush (<i>Chrysanthemoides monolifera spp rotunda</i>) 2. Asparagus Fern (<i>Asparagus atheiopicus</i>) 3. Turkey Rhubarb (<i>Acetosa sagitata</i>) 4. Kikuyu (<i>Pennisetum clandestinum</i>) 5. Mother of Millions (<i>Bryophyllum delagoense</i>) 6. Madeira Vine (<i>Anredera cordifolia</i>) 	H	<p>The following methods should be used for each species:</p> <ol style="list-style-type: none"> 1. Hand pull seedlings, cut and paint larger plants (see attached bush regeneration fact sheets) 2. Hand pull smaller plants larger plants can manually removed by crowning out the (see attached bush regeneration fact sheet on removing plants with underground growing parts), larger infestations can be sprayed with Metsulfron Methyl at 1-2 grams per litre 3. Turkey Rhubarb should be spot sprayed with glyphosate at rate of 1:50 glyphosate/water and a follow 	<ol style="list-style-type: none"> 1. All year 2. All year with spraying in Spring-Summer 3. Spring Summer

GROUP ACTION	PRIORITY	METHOD	TIME
		<p>up spray should always be undertaken</p> <p>4. Kikuyu can be sprayed with glyphosate at 1:200 glyphosate/water ratio, best time is winter to minimise damage to native plants</p> <p>5. Mother of Millions should be hand removed and all parts of the plant should be bagged and removed from site</p> <p>6. Madeira Vine should be scrapped and painted (see bush regeneration fact sheet for the control of vines and scramblers) all parts of plant including aerial tubers should be bagged and removed from site</p>	<p>4. Winter</p> <p>5. All year</p> <p>6. All year</p>
Removal of litter and building waste	M	Bushcare to remove waste and stockpile at the eastern end of Mia Way for pick up by Council	2011
Undertake revegetation of dunes and area between beach access way and house number 97 as well as the disturbed area at the rear of number 97 The Marina (see map for details)	H	Use local coastal species as per attached suggested site revegetation list	Autumn & Winter

3. MIA WAY BUSHCARE GROUP ACTION PLAN SITE MAP



4. BUSHCARE GROUP WHS & EQUIPMENT REQUIREMENTS

Type of Activity	Yes	SWMS name included
Manual weed control (cut & paint, scrape and paint etc)	√	SWMS NR060
Chemical control (spraying of herbicides)	√	SWMS NR040
Planting	√	SWMSNR030
Minor construction (walking track, fencing, outdoor furniture)		
Propagation & seed collection	√	SWMSNR030
Education (school groups, field days etc)		

5. COUNCIL SUPPORT

- a) Survey and mark reserves boundary
- b) Technical advise and training
- c) Tools and equipment
- d) Grant application and management support
- e) Printing
- f) One Bushcare Support Trainer to assist the group on site for 4 hours per month
- g) Plants
- h) Herbicide

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

Yes

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

PPE Equipment Required	Date issued
First Aid Kit	2011
Gloves	2011
Sunscreen	2011
Insect repellent	2011

8. POSSIBLE FUTURE FUNDING

Project	Funding source
N/A	

9. PLAN WILL BE REVIEWED EVERY THREE YEARS

Next review due:

23 October 2015

10. 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	SCC
Foreshore Reserves Policy	2005	SCC

11. SUGGESTED SPECIES PLANTING LIST

OVERSTOREY TREES	
Botanical	Common
<i>Leptospermum laevigatum</i>	Coastal Tea Tree
SHRUBS	
Botanical	Common
<i>Acacia longifolia</i> spp. <i>sophorae</i>	Coastal Wattle
<i>Rhagodia candolleana</i>	Seablite
UNDERSTOREY (grasses, herbs, climbers)	
Botanical	Common
<i>Hardenbergia violacea</i>	False Sarsaparilla
<i>Hibbertia scandens</i>	Native Guinea Flower
<i>Kennedia rubicunda</i>	Dusky Coral Pea
<i>Lomandra longifolia</i>	Matt Rush
<i>Tetragonia tetragonoides</i>	Warrigal Greens

12. SITE WEED LIST

Noxious	Environmental	Control Method
<i>Chrysanthemoides monilifera</i> spp <i>rotunda</i> (Bitou Bush)		Hand pull small plants or spray larger ones with 1:100 glyphosate:water ratio
	<i>Acetosa sagittata</i> (Turkey Rhubarb)	Spot spray infestations with 1:100 ratio of glyphosate: water
	<i>Anredera cordifolia</i> (Madeira Vine)	Scrape and paint stems (see attached bush regeneration fact sheet on control vines and scramblers) remove all tubers from site
	<i>Asparagus densiformis</i> (Ground Asparagus Fern)	Crown out plants (see attached bush regeneration fact sheet on removing plants with underground growing parts)
	<i>Bryophyllum pinnatum</i> (Res)	Hand remove all plant material and dispose of
	<i>Watsonia meriana</i> var. <i>bulbillifera</i> (Bugle Lily)	Dig out bulbs and remove from site (see attached bush regeneration fact sheet on removing plants with underground growing parts)
	<i>Yucca aloifolia</i> (Dagger Plant)	Dig out plants and roots and remove all plant material from site
	<i>Hydrocotyle bonariensis</i> (Dollar)	Spot spray with glyphosate + wetting agent

	Weed)	
	Ehrarta erecta (Panic Velt Grass)	Spot spray with 1:100 ratio of Glyphosate:water
	Conyza bilbaona (Fleabane)	Annual weed hand pull
	Solanum nigrum (Balckberry Nightshade)	Annual weed – hand pull
	Garzania spp. (Treasure Flowers)	Hand pull or spot spray with 1:100 ratio of glyphosate:water
	Pennisetum clandestinum (Kikuyu)	spot spray with 1:100 ratio of glyphosate:water

13. BUSHCARE SITE SPECIES LIST

OVERSTOREY TREES	
Botanical	Common
<i>Banksia integrifolia subsp. integrifolia</i>	Coastal Banksia
<i>Eucalyptus botryoides</i>	Bangalay
<i>Leptospermum laevigatum</i>	Coastal Tea Tree
<i>Myoporum acuminatum</i>	Northern Boobiella

SHRUBS	
Botanical	Common
<i>Acacia longifolia subsp. longifolia</i>	Sydney Golden Wattle
<i>Acacia longifolia subsp. sophorae</i>	Coastal Wattle
<i>Correa alba</i>	White Correa
<i>Leucopogon parviflorus</i>	Bearded Heath

UNDERSTOREY (grasses, herbs, orchids)	
Botanical	Common
<i>Actites magalocarpa</i>	Beach Sow Thistle
<i>Austrofestuca littoralis</i>	Beach Fescue
<i>Carpobrotus glaucescens</i>	Pig Face
<i>Dianella caerulea</i>	Nodding Blue Lily
<i>Isolepis nodosa</i>	Club Rush
<i>Lomandra longifolia</i>	Matt Rush
<i>Oxalis corniculata</i>	Oxalis
<i>Pelargonium australe</i>	Coastal Pelargonium
<i>Rhagodia candolleana</i>	Seablite
<i>Scaevola calendulacea</i>	Coastal Fan Flower
<i>Spinifex sericeus</i>	Beach Spinifix
<i>Sporobolus virginicus</i>	Sand Couch
<i>Themeda australis</i>	Kangaroo Grass

UNDERSTOREY (vines & climbers)	
Botanical	Common
<i>Billardiera scandens</i>	Hairy Apple Berry
<i>Cissus hypoglauca</i>	Water Vine
<i>Hardenbergia violacea</i>	False Sarsparilla
<i>Hibbertia scandens</i>	Climbing Guinea Flower
<i>Kennedia rubicunda</i>	Dusky Coral Pea

Bushcare Group Name

Coordinator Name

Signature

Date / ...