



WOWLEY CREEK BUSHCARE ACTION PLAN

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CONTACT INFORMATION

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Reserve Name: Wowley Creek
Reserve No: CCA304
Land Tenure: SCC **Comm. Land Type:** Natural Area – Foreshore

1. BUSHCARE GROUP GOALS

The goal of the Wowley Creek Bushcare Group is to regenerate and restore degraded sections of the Wowley Creek Foreshore Reserve and improve the amenity for passive recreational users.

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
<p>Zone 1 Actions:</p> <ul style="list-style-type: none"> • Control and removal of annual weeds such as <i>Paspalum dilatatum</i> (Caterpillar Grass) and <i>Conzya</i> ssp. by hand removal and bagging seed heads • Cut and paint <i>Ochna serrulata</i> (Micky Mouse Plant) • Council to remove old bollards near boundary of reserve and Monarch Place apartments “Admiralty” • Use pile of old Tea Tree as brush matting on dunes in Zone 2 • Undertake clump plantings of endemic native plants (as per section 11 “suggested revegetation species list”) in and around the beach access track to improve the visual and environmental values of the reserve • Additional plantings of endemic native plants in the existing landscaped area (as per section 11 “suggested revegetation species list”) near the boundary of reserve and Monarch Place Apartments “Admiralty” • Move dead pile of Coastal Tea Tree and use as brush matting on dunes in Zone 2 	M	<ul style="list-style-type: none"> • Hand pull or spot spray annual weeds (see attached Bush Regeneration Fact Sheet – Hand Removal) • Cut and paint with 50/50 dilution of glyphosate/water (see attached Bush Regeneration Fact Sheet Control of Woody Weeds) • Cut of bollards at ground level • Council to provide plants, guards, stakes and water crystals for clump plantings • Supplementary plantings as required • Move as required 	2014 – 2017
<p>Zone 2 Actions:</p> <ul style="list-style-type: none"> • Control and removal of annual weeds such as <i>Paspalum dilatatum</i> (Caterpillar Grass) and <i>Conzya</i> ssp. by hand removal and bagging seed heads 	H	<ul style="list-style-type: none"> • Hand pull or spot spray annual weeds (see attached Bush Regeneration Fact Sheet – Hand Removal) 	2014 - 2017

GROUP ACTION (these should relate to your project description)	PRIORITY	METHOD	TIME
<ul style="list-style-type: none"> • Cut and paint Ochna serrulata (Micky Mouse Plant) • Hand pull or cut and paint any Lantana • Crowning of Ground Asparagus Fern in dunes • Supplementary planting of endemic native plants in dunes as per section 11 “Suggested Revegetation Species List” <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>		<ul style="list-style-type: none"> • Cut and paint with 50/50 dilution of glyphosate/water (see attached Bush Regeneration Fact Sheet Control of Woody Weeds) • Hand pull small Lantana plants and/or cut and paint larger plants (see attached Bush Regeneration Fact Sheet Control of Woody Weeds) • Crown out Asparagus Fern as per the attached Bush Regeneration Fact Sheet – Controlling plants with underground growing parts. • Plants, guards, stakes and water crystals or seed supplied by Council’s community nursery 	

3. WOWLEY CREEK BUSHCARE GROUP ACTION PLAN MAP



4. 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		

5. COUNCIL SUPPORT

Shoalhaven Council will provide support in the following areas:

- a) Technical advice and support
- b) Tools and first Aid kit
- c) Materials/Plants (within limit of budget)
- f) Training support

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

Yes x No

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

PPE Equipment Required	Date issued
First Aid Kit	January 2014
Gloves	January 2014
Sunscreen	January 2014
Insect repellent	January 2014
Tick Twister	January 2014

8. POSSIBLE FUTURE FUNDING

Project	Funding source
Assistance with weed control and revegetation	Various

9. PLAN WILL BE REVIEWED EVERY THREE YEARS

Next review due:

January 2017

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
Southern Rivers Catchment Action Plan 2013 - 2023	2013	Southern Rivers Catchment Management Authority
Foreshore Reserves Policy	29/06/2004	Shoalhaven City Council
Generic Community Land - Plan of Management – Natural Areas	2001	Shoalhaven City Council

11. RECOMMENDED PLANTING/REVEGETATION SPECIES LIST

OVERSTOREY TREES	
Botanical	Common
<i>Acacia binervata</i>	Two Veined Hickory
<i>Banksia intergrifolia</i>	Coastal Banksia
<i>Banksia serrata</i>	Old Man Banksia
<i>Leptospernum leavigatum</i>	Coastal Tea Tree
SHRUBS	
Botanical	Common
<i>Acacia longifolia</i> spp <i>longifolia</i>	Sydney Golden Wattle
<i>Acacia longifolia</i> spp <i>sophorae</i>	Coastal Wattle
<i>Acacia maidenii</i>	Maidens Wattle
<i>Acacia suaveolens</i>	Sweet Wattle
<i>Callistemon linearis</i>	Narrow Leaved Bottlebrush
<i>Correa alba</i>	Native Fuchsia
<i>Crinum peniculatum</i>	Swamp Lily
<i>Dillwynia sieberi</i>	Parrott Pea
<i>Grevillea macleayana</i>	Jervis Bay Grevillea
<i>Melaleuca hypericifolia</i>	Ulladulla Beacon
<i>Monotoca elliptica</i>	Pigeon Berry Ash
<i>Pultenaea viscosa</i>	Bush Pea
<i>Westringia fruticosa</i>	Coastal Rosemary
<i>Dillwynia sericea</i>	Scurf Pea
UNDERSTOREY (grasses, herbs, climbers)	
Botanical	Common
<i>Carpobrotus glaucescens</i>	Pig Face
<i>Hibbertia scandens</i>	Native Guinea Flower
<i>Kennedia rubicunda</i>	Dusky Coral Pea
<i>Lomandra longifolia</i>	Spiny Matt Rush
<i>Prostathera incisa</i>	Mint Bush
<i>Themeda australis</i>	Kangaroo Grass

12. SITE WEED LIST

Noxious	Environmental	Control Method
Lantana camara		Cut and paint or hand pull
	Asparagus Fern	Crown out rhizome and remove from site
	Briza Grass	Hand pull or spot spray
	Fleabane/Conzya	Hand pull or spot spray
	Micky Mouse Plant	Cut and paint
	Giant Paspalum	Hand pull or spot spray

13. BUSHCARE SITE SPECIES LIST

OVERSTOREY TREES	
Botanical	Common
Acacia binervata	Two Veined Hickory
Banksia intergrifolia	Coastal Banksia
Eucalyptus botrioides	Bangalay Gum
Eucalyptus racemosa	Snappy Gum
Leptospermum leavigatum	Coastal Tea Tree

SHRUBS	
Botanical	Common
Acacia longifolia spp longifolia	Sydney Golden Wattle
Acacia longifolia spp sophorae	Coastal Wattle
Acacia maidenii	Maidens Wattle
Acacia suaveolens	Sweet Wattle
Acacia ulicifolia	Prickly Moses
Allocasuarina littoralis	Black She Oak
Brynia oblongifolia	Native Brynia
Callistemon linearis	Narrow Leaved Bottlebrush
<i>Grevillea macleayana</i>	Jervis Bay Grevillea
Kunzea ambigua	Tick Bush
Monotoca elliptica	Pigeon Berry Ash
Pittosporum undulatum	Sweet Daphnae

UNDERSTOREY (grasses, herbs, orchids)	
Botanical	Common
<i>Imperata cylindrica</i>	Blady Grass
<i>Lomandra longifolia</i>	Spiny Matt Rush
<i>Prostathera incisa</i>	Mint Bush
<i>Pteridium esculentum</i>	Bracken
<i>Themeda australis</i>	Kangaroo Grass

UNDERSTOREY (vines & climbers)	
Botanical	Common
<i>Hibbertia scandens</i>	Native Guinea Flower
<i>Kennedia rubicunda</i>	Dusky Coral Pea
<i>Rubus parvifolius</i>	Native Raspberry

Bushcare Group Name

Coordinator Name

Signature

Date / ...

Attachment A, B & C National Trust Bush Regeneration Information Sheets (

BUSH REGENERATION INFORMATION SHEET

Control of Woody Weeds

Examples of woody weeds include:


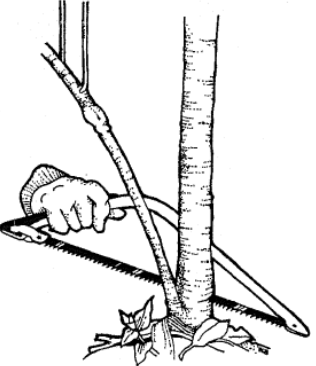
- lantana, bitou bush, cotoneaster, privet (cut and paint)
- camphor laurel, Mickey Mouse bush (ochna) and cassia/senna (stem scrape)

METHODS OF REMOVAL

1 CUT AND PAINT—Useful for small to medium sized woody weeds up to 10cm basal diameter

STEP 1 Make a horizontal cut as close to the ground as possible with secateurs, loppers or a bush saw.

STEP 2 Immediately apply herbicide to the exposed flat stump surface.




SAFETY CONSIDERATIONS

The following general precautions should be made when using herbicides:


- Read the label before opening the container and follow the instructions.
- Wear protective clothing as directed on the label.
- Wash hands after use and before eating or smoking.

considerations


- Cuts should be horizontal to prevent herbicide from running off the stump. Sharp angle cuts are hazardous.
- Herbicide must be applied immediately before the plant cells close and translocation of herbicide ceases.
- If plants resprout, cut and paint the shoots after sufficient regrowth has occurred.
- Stem scraping can be more effective on some woody weeds.



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BUSH REGENERATION INFORMATION SHEET

Control of Weeds with Underground Reproductive Structures

- Examples: Weeds with
- Tap roots - catsear, dandelion
 - Rhizomes - asparagus fern, ginger plant
 - Bulbs and corms - oxalis, onion weed, watsonia, freesias, montbretia
 - Tubers - madiera vine, arrow head vine

METHODS OF REMOVAL

1 HAND REMOVAL OF PLANTS WITH A TAPROOT

Examples: Paddy's lucerne, dandelion

- STEP 1** Gently remove and bag seeds or fruit.
- STEP 2** Push a narrow trowel or knife into the ground next to the taproot. Carefully loosen soil. Repeat this step around the taproot.
- STEP 3** Grasp stem at ground level, rock plant back wards and forwards and pull gently.
- STEP 4** Gently tap the roots to dislodge soil. Replace disturbed soil and lightly pat down.

2 CROWNING (Many grasses can be crowned)

Example: asparagus fern

- STEP 1** Gently remove and bag stems with seed or fruit.
- STEP 2** Grasp the leaves or stems together so that the base of the plant is visible.
- STEP 3** Insert, at an angle, a knife or lever, close to the "crown".
- STEP 4** Cut through all the roots around the crown.
- STEP 5** Remove and bag the crown.



HAND REMOVAL



CROWNING

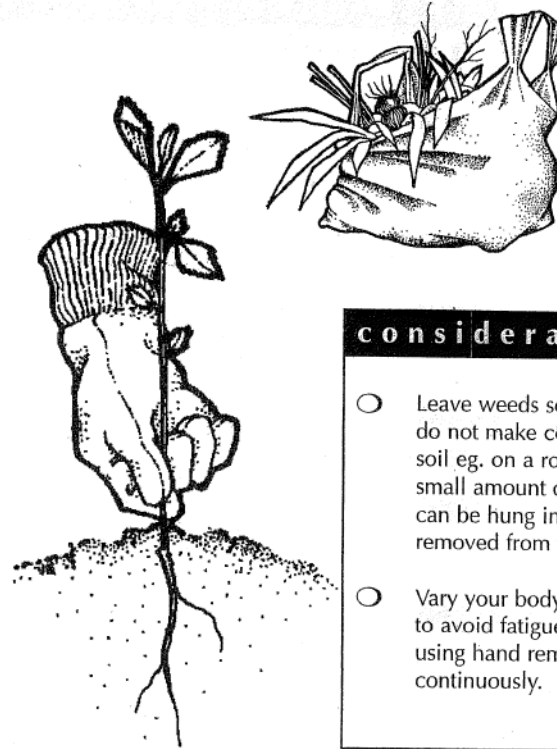
Control of Small Hand-pullable Plants

To Control: ● Small soft weeds eg. fleabane, crofton weed, small grasses
 ● Seedlings of any weeds including privet, lantana, moth vine

METHODS OF REMOVAL

1 HAND REMOVAL (Minimal Disturbance)

- STEP 1** Gently remove any seeds or fruits and carefully place into a bag.
- STEP 2** Grasp stem at ground level.
- STEP 3** Rock plant backwards and forwards to loosen roots, and pull out gently.
- STEP 4** Carefully tap the roots to dislodge any soil. Replace disturbed soil and pat down.



considerations

- Leave weeds so that roots do not make contact with soil eg. on a rock - a small amount of debris can be hung in a tree or removed from the site.
- Vary your body position to avoid fatigue when using hand removal continuously.



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Attachments D, E & F – Access track in Zone 1 showing proposed areas of clump planting





