



THE GROTTO BUSHCARE ACTION PLAN

Document Number: D17/158563 **Adopted:** 04/06/2019 **Minute Number:** MIN19.373 **File:** 1835e **Produced By:** Planning Environment and Development **Review Date:** 04/06/2025

RESERVE INFORMATION

Reserve Name:	The Grotto Reserve	
Reserve No's:	NNN086, NNN146, and NNN087	
Land Tenure:	Council and Crown (Council as Manager)	
Comm. Land Type:	Natural Area	

1. BUSHCARE GROUP GOALS

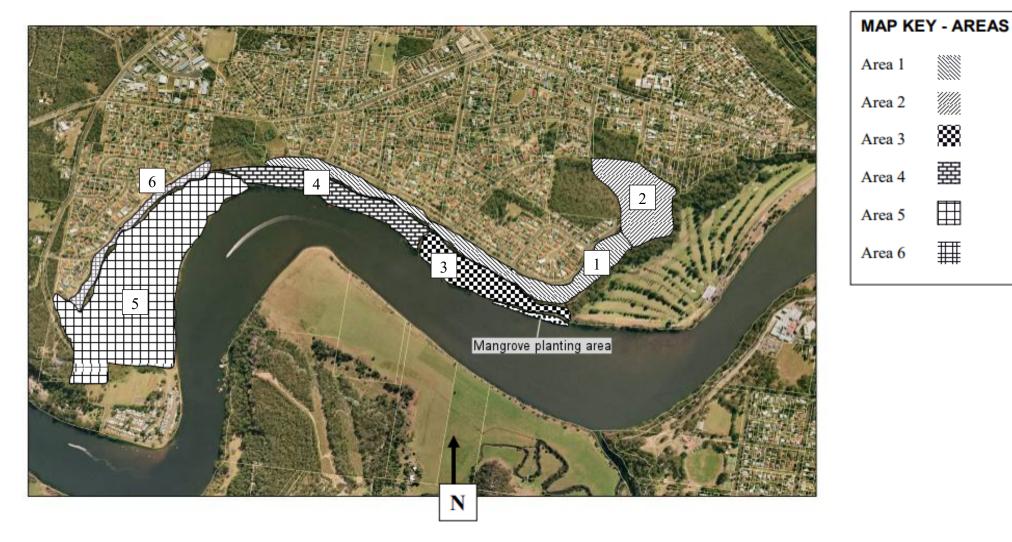
The goals of the Grotto Bushcare Group are:

- 1. <u>Weed Control/Bush Regeneration</u>
- a) To maintain The Grotto as a high quality natural recreational area as per the Greys Beach and Grotto Plan of Management
- b) Strategically regenerate the endemic vegetation of The Grotto Reserve including the upper parts of the reserve and the lower riparian areas
- c) Ongoing strategic weed management and regeneration of areas of native vegetation
 - 2. <u>Access/Walking Tracks</u>
- a) Monitor and assist with maintenance along the Wilson, Grotto and Waratah walking tracks and the service track.
 - 3. Cultural & Historical Education and Conservation
- a) To promote the natural, social and heritage values of The Grotto Reserve
- b) Continue to educate and raise awareness of the natural, social and cultural values of The Grotto Reserve to visitors, schools and local residents.

2. BUSHCARE GROUP ACHIEVEMENTS TO DATE

Actions	Lessons learnt
Formalisation and maintenance of walking tracks	
Extensive control of Lantana through 55 ha reserve area.	Splatter gun in autumn yielded good results
Extensive areas of weed control	

3. THE GROTTO BUSHCARE GROUP MANAGEMENT AREAS



4. WALKING AND SERVICE TRACKS



5. SHOALHAVEN BUSHCARE GROUP ACTIVITIES TABLE

Priority: H = High (start within 12 months); M = Medium (start 1-3 years); L = Low (do if resources allow)

GROUP ACTION	PRIORITY	METHOD	ТІМЕ		
WEED CONTR	WEED CONTROL/BUSH REGENERATION				
 AREA 1 – UPPER GROTTO (Eastern end of Yurunga Dr to Power line easement) 1. Continue with maintenance weed control along this area. Priorities are: a. Crofton Weed and Mist Flower around pumping stations and creeks b. Ground Asparagus c. Privet (Broad and Narrow Leaf) d. Lantana camara e. Mickey Mouse plant (Ochna serrulata) 	Н	 Spot spray or manual removal of environmental weeds as required Treat weeds as per site weed list, herbicide labels and Australian Pesticides and Veterinary Medicine Authority (APVMA) off-label permits Monitor herbicide spray results 	Ongoing Spraying of Ground Asparagus in spring and summer		

GROUP ACTION	PRIORITY	METHOD	TIME
AREA 2 – PUMPING STATION NO. 15			
 Continue with weed control around pumping station and along creek line with priorities as follows: a. Crofton Weed and Mist Flower b. Prevent Privet and Mickey Mouse plant from flowering and fruiting c. Control of Japanese Honeysuckle, English Ivy and Wild Tobacco Tree d. Control of Camphor laurel along creek 	Μ	• Treat weeds as per site weed list, herbicide labels and APVMA off-label permits	Ongoing
2. Continue with replanting program around the creek following weed control	Μ	 Replant area with species from attached species list 	Ongoing

GROUP ACTION	PRIORITY	METHOD	TIME
 AREA 3 – LOWER GROTTO PICNIC AREA 1. Continue with weed control as per the following prioritised list: a. Escarpment areas previously treated/planted b. Riverbank zones previously treated/planted c. Areas where Black Wattle or other indigenous plants occur, providing competition to weeds d. New weed-dominated work areas 	н	 Follow-up control of weeds including Lantana, Moth Vine, Turkey Rhubarb and Tradescantia. Treat weeds as per site weed list, herbicide labels and APVMA off-label permits 	Ongoing
 Replacement of existing plantings as needed Monitor for new emerging weeds on site and notify Council 	M H	 Replacement of planting using attached species list Monitor for emerging weeds and notify Council 	Ongoing Ongoing
 Monitor the river bank erosion between the golf course and the Grotto picnic area 	н	Monitor and notify Council	Ongoing
5. Maintain and expand the mangrove planting program to assist with riverbank stabilisation	М	 Propagate and plant mangroves; maintain previous plantings; trial guards to protect mangroves from browsing 	Ongoing
 Revegetate with suitable deep-rooted tree species between the walking track and the river to help control erosion 	М	Use appropriate, sturdy guards	Autumn
7. Monitoring and maintenance of picnic area	М	Bushcare group to notify Council if more frequent mowing is required.	Spring/ Summer

GROUP ACTION	PRIORITY	METHOD	TIME
AREA 4 – EASTERN END OF WARATAH WALK Picnic area to old wharf			
 Prioritise control of environmental weeds to areas that have existing healthy native canopy cover 1. Continue to undertake follow-up weed control of areas that have been treated with partial or open canopy 	Н	 Treat weeds as per site weed list, herbicide labels and APVMA off- label permits Target control of Wild Tobacco Tree, regrowth lantana and secondary weeds such as Cape lvy, Tradescantia and Turkey Rhubarb 	Ongoing
2. Supplementary/replacement planting in areas using pioneer species that can establish a canopy quickly	L	 Use species from attached revegetation list Try to determine and address reason(s) for poor survival rate with earlier plantings 	Ongoing

GROUP ACTION	PRIORITY	METHOD	TIME
 AREA 5 – WESTERN END OF WARATAH WALK Wharf to Ski Park 1. Undertake control of environmental weeds in areas where there is a healthy native canopy cover, including: 	Н	 Target Lantana, Wild Tobacco, Cape Ivy and Tradescantia. Cut temporary access tracks 	Ongoing
 a. Escarpment areas west of the walking track b. Remnant of Eucalypts along the river bank c. Areas that have previously had weed control undertaken (such as Green Corps area) 		between Service and Waratah tracks (i.e. both sides of swamp) to enable treatment of Lantana and Wild Tobacco Tree	Ongoing - allow for regeneration and secondary weed control
 Support the natural recruitment of Red Cedar (Toona ciliata) and other native trees around the escarpment areas. 	М	 Treat weeds as per site weed list, herbicide labels and APVMA off- label permits. Consider guarding if grazing becomes a problem. 	Ongoing

GROUP ACTION	PRIORITY	METHOD	TIME
 AREA 6 – WESTERN END OF YURUNGA DRIVE Upper Grotto at Ski Park end 1. Target control of environmental weeds with the following priorities: a. Control Crofton Weed and Mist Flower on stormwater drain outlets and around pumping stations b. Control Ground Asparagus, Easter Senna and Winter Cherry 	М	 Council to distribute information concerning planting unapproved plants in reserves to reserve neighbours Council to control Crofton Weed and Mist Flower in stormwater drains and pumping station areas. Bushcare Group to spot spray Ground Asparagus and cut and paint Easter Senna 	2019 and ongoing as needed Spring Spring & summer

GROUP ACTION	PRIORITY	METHOD	TIME
MAINTEN		CCESS	
Council to maintain vehicle access via the Nowra Golf Club within available resources.	М	Maintain access	Ongoing
Bushcare to undertake minor repairs to park furniture and wire fencing (Upper Grotto walking track) as required	Н	Council to supply materials and equipment within budgets for Bushcare Group	Ongoing
WAI	_KING TRACK	S	
Assist Council to maintain the 11 km loop walk that combines Wilson, Grotto and Waratah Walking Tracks:			
a. Monitor and help Council to maintain the walking track to allow safe access for walkers		Bushcare Group to help Council monitor and address hazards	Ongoing
 Explore the need and options for installation of handrails adjacent to Murrell PI; between the picnic area and wharf; and stone steps from Gunyuma Cr to the lower Grotto. 	Н	Consider entions for anti-slip	2019
c. Improve safety of timber bridges		Consider options for anti-slip materials to improve safety in wet conditions.	2019

GROUP ACTION	PRIORITY	METHOD	TIME
CULTURAL/HISTO	RICAL & PU	BLIC AWARENESS	I
Investigate the design and installation of education signage on the walking track highlighting the European heritage of the area as per the Management Objectives in table 5.10 of the Plan of Management for Greys Beach and The Grotto. Highlighting the following areas: a. Original homestead site b. Old wharf site c. Campbell Farm site	М	 Follow-up past investigations and preparations into this action Apply for grants to design and manufacture signs 	2018 Ongoing
Protect areas of Aboriginal cultural significance as per the Management Objectives in table 5.10 of the Plan of Management	Н	 Ensure areas of Aboriginal cultural heritage remain undisturbed 	Ongoing
Promote the use and appreciation of the reserve	М	• Develop a walking track map for local distribution and availability through information centre and website	2019
Raise the awareness of local residents of the natural values of the bushland reserves and the negative impacts of: a. Dumping rubbish b. Dumping garden clippings c. Creating their own tracks	Н	 Distribute "Being a Bush Friendly Neighbour" to surrounding residents 	As required
Include area in Clean Up Australia Day events	М	Bushcare Group to work with other interested community organisation to register for Clean Up Australia Day	Ongoing

6. BUSHCARE GROUP WORKPLACE HEALTH AND SAFETY

New volunteers must be inducted in Shoalhaven City Councils corporate induction process and volunteers must comply with the Volunteer Induction Handbook.

Based on the activities included in this action plan, a new site hazard and risk assessment has been completed. Volunteers are to be inducted on this revised risk assessment with the adoption of this plan. The 'site hazard and risk assessment' is to be revised as need be, for example, upon the identification of a new hazard, or of a new control measure for an existing hazard.

Activity	WHS documentation
Manual Handling	SCC Policy P15 Hazardous Manual Tasks
Chemical weed control	SCC Policy P11 Hazardous Chemicals; SCC Procedure SWI29 Herbicide Spraying; Safety Data Sheets and product labels for chemicals used
Tree Planting and watering	SWI103 Water Cart SWI93 Trailers – towing
Brushcutting	SWI41 Line Trimmer

The following activities are managed by Council through the following documents. Volunteers must comply with these standards.

7. COUNCIL SUPPORT

- a) Technical advice and support
- b) Provision of PPE equipment Group to advise when reissue required
- c) Supply tools, herbicide, plants, guards, stakes, water crystals and materials within the constraints of budget
- d) Administration support
- e) Assistance with grant application, administration and management
- f) Supply of water cart for watering plants
- g) Graphic design and printing assistance
- h) Slashing of the lower Grotto reserve, as access allows
- i) GPS mapping assistance with software and map production
- j) Maintenance of reserve access road (within available resources)
- k) Assistance with facilitation and negotiation with third parties

8. POSSIBLE FUTURE FUNDING

Project	Potential Funding source
Rehabilitation assistance (e.g., contractors to undertake weed control and replanting in Area 5)	Natural Resources Unit as funds are available; external funding
Equipment Purchase (e.g., Brushcutter)	Natural Resources Unit as funds are available; external funding
Environmental, Historical and Cultural Interpretive signage	Heritage/tourism grants
Regeneration of riparian vegetation and erosion control	Local Land Services; River health funding

9. REVIEW

This plan will be reviewed six years from its adoption but can be reviewed sooner if agreed.

10. REGIONAL MANAGEMENT PLANS OR STRATEGIES

Document	Year	Produced by
Generic Community Land Plan of Management - Natural Areas	2001 – last updated 2016	Shoalhaven City Council
Asset Management Plan - Walking Tracks	2016	Shoalhaven City Council
Plan of Management, Greys Beach and The Grotto, North Nowra	2004	Geolink for Shoalhaven City Council
Lower Shoalhaven River Flood Study	1990	Shoalhaven City Council

11. SUGGESTED SPECIES LIST FOR FUTURE SITE REVEGETATION

DOMINANT TREES		
Above Cliffs		
BOTANICAL NAME	COMMON NAME	
Angophora costata	Smooth barked Apple	
Allocasuarina littoralis	Black She-Oak	
Casuarina glauca	Swamp Oak	
Eucalyptus agglomerata	Blue Leaved Stringybark	
Eucalyptus maculata	Spotted Gum	
Eucalyptus paniculata	Grey Ironbark	
Eucalyptus punctata	Grey Gum	
River Flats		
Eucalyptus saligna x botryoides	Hybrid Blue Gum/Bangalay	
	e two species is common in the Illawarra	
	SHRUBS	
Acacia terminalis	Sunshine Wattle	
Babingtonia virgata	Tall Baeckia	
Banksia spinulosa Bursaria spinosa	Hairpin Banksia Native Blackthorn	
Ceratopetalum gummiferum	Christmas Bush	
Correa reflexa	Common Correa	
Crowea exalata	Small Crowea	
Daviesia ulicifolia	Gorse Bitter Pea	
Dillwynia retorta	Parrot Pea	
Dodonaea triquetra	Common Hop Bush	
Dodonaea trunciatales	Angular Hop Bush	
Duboisia myoporoides	Corkwood	
Elaeocarpus reticulatus	Blueberry Ash	
Exocarpos strictus	Brush Cherry	
Grevillea arenaria	Sandy Places Grevillea	
Grevillea linearifolia	Spider Flower	
Hakea dactyloides	Finger Hakea	
Hakea sericea	Needle Bush	
Kunzea ambigua	Tick Bush	
ambertia formosa	Mountain Devil	
_eptospermum trinervium	Flaky Barked Tea Tree	
_eucopogon juniperinus	Prickly Bearded-Heath	
_eucopogon lanceolatus	Lance Bearded-Heath	
omatia silaifolia	Crinkle Bush	
Macrozamia communis	Burrawang	
Olearia argophylla	Silver Bush	
Olearia stellulata	Snowy Daisy Bush	
Olearia tomentosa	Toothed Daisy bush	

SHRUBS (cont.)			
BOTANICAL NAME	COMMON NAME		
Ozothamnus argophyllus	Spicy Everlasting		
Ozothamnus diosmifolius	White Dogwood		
Persoonia levis	Broad Leaved Geebung		
Persoonia linearis	Narrow-Leaved Geebung		
Petrophile pedunculata	Conesticks		
Phyllanthus hirtellus	Thyme Spurge		
Platylobium formosum	Handsome Flat Pea		
Pimelea linifolia	Rice Flower		
Pomaderris elliptica	Pomaderris		
Pomax umbellifera	N/A		
Prostanthera incana	Velvet Mint Bush		
Pultenaea blakeleyi	Blakeley's Bush Pea		
Pultenaea daphnoides	Daphne Bush Pea		
Zieria cytisoides	Downy Zieria		
	HERBS		
BOTANICAL NAME	COMMON NAME		
Centella asiatica	Arthritis Weed		
Commelina cyanea	Wandering Blue		
Goodenia hederacea	Forest Goodenia		
Goodenia heterophylla ssp.	N/A		
eglandulosa			
Hydrocotyle sp.	Pennywort		
Plectranthus parviflorus	Cockspur Flower		
Pratia purpurascens	Whiteroot		
Ranunculus inundatus	River Buttercup		
Stylidium graminifolium	Grass Trigger-plant		
	FERNS		
BOTANICAL NAME	COMMON NAME		
Cheilanthes austrotenuifolia	Rock Fern		
VINE	S/SCRAMBLERS		
BOTANICAL NAME	COMMON NAME		
Billardiera scandens	Hairy Apple Berry		
Cassytha pubescens	Devil's Twine		
<i>Glycine clandestina</i>	N/A		
Hardenbergia violacea	Purple Coral Pea		
Hibbertia dentata	Trailing Guinea Flower		
Kennedia prostrata	Scarlet Coral Pea		
Kennedia rubicunda	Dusky Coral Pea		
Morinda jasminoides	Sweet Morinda		

ORCHIDS			
BOTANICAL NAME	COMMON NAME		
<i>Pterostylis</i> sp.	Greenhood Orchid		
Watch out for ground	orchids in flower during the year		
	GRASSES		
BOTANICAL NAME	COMMON NAME		
Anisopogon avenaceus	Oat Speargrass		
Aristida vagans	Three-awn Speargrass		
Briza maxima	Quaking Grass		
Cymbopogon refractus	Barbed Wire Grass		
Danthonia longifolia	N/A		
Entolasia marginata	Bordered Panic		
Imperata cylindrica	Blady Grass		
Microlaena stipoides	Weeping Grass		
Poa poiformis	Tussock Grass		
Themeda australis	Kangaroo Grass		
BOTANICAL NAME	COMMON NAME		
Dianella caerulea	Blue Flax-lily		
Laxmannia gracilis	Slender Wire Lily		
Lepidosperma laterale	N/A		
Lomandra filiformis	Wattle Mat-rush		
Lomandra longifolia	Spiny-headed Mat-rush		
Patersonia sericea	Native Iris		
Phragmites australis	Common Reed		
Schelhammera undulata	N/A		

2. GROTTO RAINFOREST

Can be defined as subtropical vine thicket or 'complex notophyll vine' forest (classification of Webb 1968), with dry rainforest ('microphyll vine thicket') characterised by Grey Myrtle (Backhousia myrtifolia) mid-cliffs. A very diverse southern remnant of subtropical type rainforest. Mills (1995) listed 51 trees and shrubs occurring in the Shoalhaven Vine Thickets. 37 have been listed so far at the Grotto site.

TREES			
BOTANICAL NAME COMMON NAME			
Acacia binervata	Two-Veined Hickory Wattle		
Acacia filicifolia	Fern-leaved Wattle		
Acacia maiden	Maiden's Wattle		
Acmena smithii	Lilly Pilly		
Alectryon subcinereus	Native Quince		
Alphitonia excelsa	Red Ash		
Backhousia myrtifolia	Grey Myrtle		
Claoxylon austral	Brittlewood		
Clerodendrum tomentosum	Native Clerodendrum		
Cryptocarya glaucescens	Murrogun		
Dendrocnide excelsa	Stinging Tree		
Ehretia acuminate	Koda		
Elaeocarpus kirtoni	Pigeonberry Ash		
Eupomatia laurina	Bolwarra		
Ficus coronate	Sandpaper Fig		
Ficus rubiginosa	Port Jackson Fig		
Ficus superba	Deciduous Fig		
Glochidion ferdinandi	Cheese Tree		
Guioa semiglauca	Guioa		
Livistona australis	Cabbage Palm		
Melicope micrococca	White Euodia		
Notelaea longifolia var. longifolia	Large Mock-olive,		
Omalanthus populifolius	Native Bleeding Heart		
Pararchidendron pruinosum	Snow Wood		
Pennantia cunninghamii	Brown Beech		
Pittosporum revolutum	Hairy Pittosporum		
Pittosporum undulatum	Native Daphne		
Podocarpus elatus	Plum Pine		
Rapanea variabilis	Muttonwood		
Rhodamnia trinervia	Scrub Stringybark		
Synoum glandulosum	Bastard Rosewood		
Toona ciliata	Red Cedar		

RAINFOREST SHRUBS		
BOTANICAL NAME	COMMON NAME	
Commersonia fraseri	Brown Kurrajong	
Goodenia ovata	Hop Goodenia	
Phyllanthus gunnii	Scrubby Spurge	
Prostanthera lasianthos	Victorian Christmas Bush	
Rubus rosifolius	Native Raspberry	
	HERBS	
BOTANICAL NAME	COMMON NAME	
Stellaria angustifolia	Swamp Starwort	
	FERNS	
	FERNS	
BOTANICAL NAME	COMMON NAME	
Adiantum aethiopicum	COMMON NAME Common Maidenhair	
Adiantum aethiopicum Adiantum formosum	COMMON NAME Common Maidenhair Giant Maidenhair	
Adiantum aethiopicum Adiantum formosum Adiantum hispidulum	COMMON NAME Common Maidenhair Giant Maidenhair Rough Maidenhair	
Adiantum aethiopicum Adiantum formosum Adiantum hispidulum Asplenium flabellifolium	COMMON NAME Common Maidenhair Giant Maidenhair Rough Maidenhair Necklace Fern	
Adiantum aethiopicumAdiantum formosumAdiantum hispidulumAsplenium flabellifoliumBlechnum cartilagineum	COMMON NAME Common Maidenhair Giant Maidenhair Rough Maidenhair Necklace Fern Gristle Fern	
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Adiantum aethiopicumAdiantum formosumAdiantum hispidulumAsplenium flabellifoliumBlechnum cartilagineumCalochlaena dubiaCyathea australisDavallia pyxidataDoodia asperaHypolepis muelleriLastraeopsis decompositaMicrosorium scandens	COMMON NAME Common Maidenhair Giant Maidenhair Giant Maidenhair Necklace Fern Gristle Fern Common Ground Fern Rough Tree Fern Hare's Foot Fern Rasp Fern Harsh Ground Fern Trim Shield Fern Fragrant Fern	

VINES		
BOTANICAL NAME	COMMON NAME	
Aphanopetalum resinosum	Gum Vine	
Cayratia clematidea	Native Grape	
Celastrus subspicata	Large-leaved Staff Vine	
Cissus antarctica	Kangaroo Vine	
Cissus hypoglauca	Water Vine	
Eustrephus latifolius	Wombat Berry	
Geitonoplesium cymosum	Scrambling Lily	
Glycine clandestina	N/A	
Legenophora moorei	Round Leaf Vine	
Malaisia scandens	Burny Vine	
Morinda jasminoides	Sweet Morinda	
Pandorea pandorana	Wonga Vine	
Parsonsia straminea	Common Silkpod	
Piper novae-hollandiae	Giant Pepper Vine	
Ripogonum album	White Supplejack	
Rubus hillii	Molucca Bramble	
Sarcopetalum harveyanum	Pearl Vine	
Smilax australis	Lawyer Vine	
Smilax glyciphylla	Native Sarsparilla	
Stephania japonica	Snake Vine	
Tylophora barbata	Bearded Tylophora	

ORCHIDS

BOTANICAL NAME	COMMON NAME
Bulbophyllum exiguum	N/A
Dendrobium linguiforme	Tongue Orchid
Dendrobium pugioniforme	Dagger Orchid
Dendrobium speciosum	Rock Orchid
Dendrobium striolatum	Streaked Rock Orchid

GRASSES AND SEDGES

BOTANICAL NAME	COMMON NAME
Gymnostachys anceps	Settlers Flax
Oplismenus aemulus	Basket Grass
Vulpia bromoides* Carpeting area	Squirrel Tail Fescue
adjacent to remnant rainforest on flats.	

12. SUGGESTED FAST GROWING CANOPY SPECIES FOR REVEGETATION

BOTANICAL NAME	COMMON NAME	
Acacia binervata	Two Veined Hickory	
Acacia maideni	Maiden's Wattle	
Acacia mearnsii	Black Wattle	
Clerodendrum tomentosum	Native Clerodendrum	
Eucalyptus saligna x botryoides	Hybrid Blue Gum/Bangalay	
Ficus coronata	Sandpaper Fig	
Omalanthus populifolius	Bleeding Heart	
Pittosporum revolutum	Rough Pittosporum	
Toona ciliata	Red Cedar	

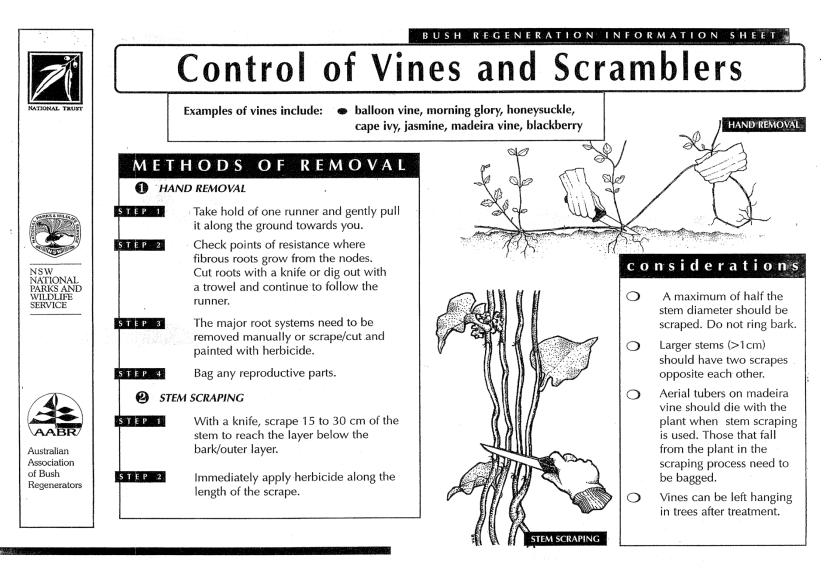
13. SITE WEED LIST

All herbicide concentrations and applications to be according to herbicide label or Australian Pesticide and Veterinary Medicines Association off-label permits.

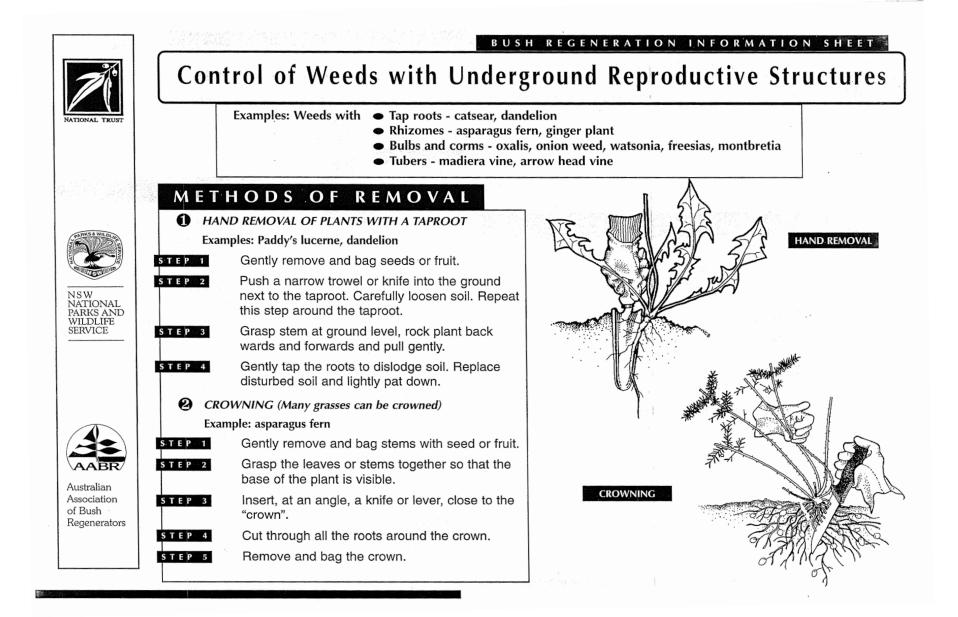
See attached Bush Regeneration Fact Sheets for more information on control of different weed types

Botanical	Common	
Ageratina adenophora	Crofton weed	
Ageratina riparia	Mistflower	
Cestrum parqui	Green Cestrum	
Eragrostis curvula	African Love Grass	
Lantana camara	Lantana	
Ligustrum sinense	Small Leaf Privet	
Rubus fruiticosus	Blackberry	
Sporobolus fertilis /	Giant Parramatta Grass /	
Sporobolus indicus	Parramatta Grass	
Senecio madagascariensis	Fireweed	
Acetosa sagittata	Turkey Rhubarb	
Araujia sericiflora	Mothvine	
Asparagus aethiopicus	Asparagus Fern	
Cinnamomum camphora	Camphor Laurel	
Croscosmia x crocosmiiflora	Montbretia	
Delairea odorata	Cape Ivy	
Erythrina x sykesii	Coral Tree	
Lilium Formosan	Formosan Lily	
Lonicera japonica	Japanese Honeysuckle	
Nephrolepis cordifolia	Fishbone Fern	
Ochna serrulata	Mickey Mouse Plant	
Senna pendula glabrata	Easter Senna, Cassia	
Solanum mauritianum	Wild Tobacco Tree	
Solanum pseudocapsicum	Madeira Winter Cherry	
Solanum laxum	Potato Climber	
Tradescantia fluminensis	Wandering Jew	

Attachments – NSW National Trust Bush Regeneration Fact Sheets (Control of Vines and Scramblers Control of Woody Weeds; Control of Weeds with Underground Reproductive Structures; and Control of Small Hand-pullable Weeds)



RATIONAL TRUST	Examples of woody weeds include: lan cat 	f Woody We Itana, bitou bush, cotoneaster, privet (cr mphor laurel, Mickey Mouse bush (ochr ssia/senna (stem scrape)	ut and	paint)
S T	METHODS OF REMOVAL CUT AND PAINT —Useful for small to medium sized woody weeds up to 10cm basal diameter Make a horizontal cut as close to the ground as possible with secateurs, loppers or a bush saw. EP 2 Immediately apply herbicide to the exposed flat stump surface.	Wear protective clothing	с о О	n s i d e r a t i o n s Cuts should be horizontal to prevent herbicide from running off the stump. Sharp angle cuts are hazardous.
			0	Herbicide must be applied immediately before the plant cells close and translocation of herbicide ceases.
Australian Association of Bush	Aur		0	If plants resprout, cut and paint the shoots after sufficient regrowth has occurred.
Regenerators			0	Stem scraping can be more effective on some woody weeds.



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