

HYAMS BUSHCARE ACTION PLAN – REVIEW (2015)

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CONTACT INFORMATION

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Reserve Name:	Seamans Beach & Foreshore Reserve No: BHY521 & BHY607
Land Tenure:	Crown & SCC
Comm. Land Type:	NA - Foreshore

1. BUSHCARE GROUP GOALS

The aims of the Hyams Bushcare Action Plan are as follows:

1. Regeneration and weed removal on Council owned and managed reserves in and surrounding Hyams Beach.
2. Reverse the decline in large stand of 35 mature *Eucalyptus botryoides* trees that have become degraded due to compaction and sheet erosion of the surface feeder roots on the crown foreshore reserve opposite house numbers 37 to 45 Cyrus St. One of the aims of the project is to also remove the mowing pressures from within the stand of Bangalay to allow for the recruitment of the next generation of Bangalay Gums to replace old and dying specimens, as per the recommendations of the Tree Evaluation and Management Report for the Remnant Stand of *Eucalyptus botryoides*, Cyrus St Reserve, Hyams Beach Jervis Bay, Nov 2001, Maree Ellis.
3. The 2015 Review – The aims of the plan remain unchanged.

1. **BUSHCARE GROUP ACHEIVEMENTS TO DATE – (What successes has your Bushcare Group achieved in relation to your achieving the goals and actions in your current Bushcare Group Action Plan and what lessons or new skills/knowledge have you learnt from these achievements?)**

Actions achieved to date	Lessons learnt
<p>AREA A - Hyams Beach & Silver Strand Cir. Council Reserve</p> <ol style="list-style-type: none"> 1. Primary and secondary control of all <i>Senna pendula</i> spp <i>pendula</i> plants. 2. Primary and secondary control of all Morning glory (<i>Ipomea indica</i>) plants in the reserve. 3. Control of Pampas grass (<i>Cortaderia selloana</i>) within the reserve. 4. Primary and secondary control of Montbretia (<i>Crocasmia x crocosmiiflora</i>) infestation along car park edge. 5. Opportunistic weed control of upper sections of the reserve around Silver Sands Cct. 	<p>As with all bush regeneration projects and successful weed control the success lays in the ability to follow up initial primary control and monitor niche areas for new encroaching weed infestations. Hyams Beach has also successfully collected and propagated local provenance plant stock for future revegetation purposes. This has insured the local plant genetics has been maintained with any planting of new stock.</p>
<p>AREA B - Actions for Council Cyrus St Reserve (cliff face between house No's 96 – 88 Cyrus St)</p> <ol style="list-style-type: none"> 1. Primary and secondary control of all <i>Senna pendula</i> and Lions Tail (<i>Leonotiss ibiricus</i>) from site. 2. Primary and secondary control of Asparagus Fern (<i>Asparagus aethiopicus</i>) & Crofton Weed (<i>Ageratina adenophora</i>) from site. 	<p>As with all bush regeneration project and successful weed control the success lays in the ability to follow up initial primary control and monitor niche areas for new encroaching weed infestations.</p>
<p>AREA C - Cyrus St Crown Foreshore Reserve E. <i>botryoides</i> remnant stand regeneration.</p> <ol style="list-style-type: none"> 1. Consulted with the Hyams Beach Village Association and the residents living opposite the reserve areas actions. 	<p>Bushcare Group have realised the value of consulting with adjacent property owners when undertaking regeneration/revegetation on foreshore reserve.</p>

Actions achieved to date	Lessons learnt
<ol style="list-style-type: none"> 2. Aerated and mulched around compacted areas around the base of trees as per areas marked on plan. 3. Planted supplementary groundcovers around the borders of the mulch/grassed areas to define boundary. 4. Bushcare group have planted a single E. botryoides (Bangalay Gum) to replace one that had been removed due to decay. 5. Primary and secondary control of weeds including Honeysuckle, Montbretia, Ochna and Crofton Weed and exotic grass. 6. In cooperation with the Hyams Beach Villagers Association, installation of local bird species interpretive signage on reserve. 	
<p>AREA D – Hyams Village Boat Ramp</p> <ol style="list-style-type: none"> 1. Revegetation of boat ramp road edges/banks with low growing native species and removal of Buffalo Grass from area to improve habitat. 2. Primary and secondary control of Senna, Wandering Jew and Montbretia and supplementary planting of low growing native plant species on small creek area around sewage pumping station. 	<p>As with all bush regeneration projects and successful weed control the success lays in the ability to follow up initial primary control and monitor niche areas for new encroaching weed infestations. Hyams Beach has also successfully collected and propagated local provenance plant stock for future revegetation purposes. This has insured the local plant genetics has been maintained with any planting of new stock.</p>
<p>AREA E – Vegetated area on foreshore reserve opposite Cyrus St, from boundary of Jervis Bay National Park to Navy compound</p> <ol style="list-style-type: none"> 1. Primary and secondary control of Blackberry, Honeysuckle, Ochna, Mistflower, Formosan Lily, Senna and Fishbone Fern and Buffalo grass only where it has been smothering native plants. 2. Opportunistic revegetation with low growing ground 	<p>This area unfortunately has been subject to on-going vegetation vandalism from people/persons unknown who are seeking to improve water views. This has greatly discouraged the morale of the Bushcare Group, who have not been working in this area.</p>

Actions achieved to date	Lessons learnt
<p>cover native plants in areas that have been subject to vegetation vandalism or erosion from people creating access track down to beach.</p>	
<p>AREA F (deleted from current reviewed plan) –Upgrading of the Lookout area between property numbers 64, 66 & 68, 70.</p> <ol style="list-style-type: none"> 1. Successful installation of a viewing platform for whale watching. 2. Primary and secondary control of Climbing Groundsel (<i>Senecio angulatus</i>) from in front of viewing area. 3. Revegetation with low growing coastal native in area in front of viewing platform. 	<p>Initially there was reluctance from adjoining landholders to upgrade the area to a whale viewing area, however with support from the Hyams Beach Villagers Association the viewing platform was constructed. The weed control and revegetation component posed a significant safety issue as it was located right next to a steep cliff and some restrictions on work areas and practises had to be put in place prior to the work being done.</p>
<p>AREA G – Patches of remnant native vegetation on foreshore reserve between property numbers 52 and 82 Cyrus St.</p> <ol style="list-style-type: none"> 1. Boundaries of private properties have been surveyed. 2. Opportunistic weed control has been undertaken. 	<p>Following the boundary survey the Bushcare Group realised that most of the vegetated foreshore areas were on private property. The Group has since made a decision not to work in this area.</p>

2. **SHOALHAVEN BUSHCARE GROUP ACTION PLAN (to be included with site map)**

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

<p>AREA A - Hyams Beach & Silver Strand Council Reserve</p> <p>CURRENT & EXISTING ACTIONS</p> <ol style="list-style-type: none"> 1. Hand pull isolated <i>Senna pendula</i> plants; 2. Hand removal of Montbretia infestation along car park edge; and 3. Monitor up stream into Silver Strand Reserve for new weed outbreaks and control as needed. 4. <p>NEW ACTIONS</p> <ol style="list-style-type: none"> 5. Planting as required only in existing bushland areas with species from the plans revegetation list; 6. Investigate moving the current location of the beach emergency access point of the main car park to prevent being blocked by illegal vehicle parking in front of the emergency access point; and 7. Revegetate bottom 2/3 of Kikuyu slope with low growing native plants and apply to Asset & Works to have top 1/3 mown. 8. In cooperation with other Bushcare Groups in the Jervis Bay and St Georges areas as well Shoalhaven Council prepare a Review of Environmental Factors for a <i>Pittosporum undulatum</i> control program using a combination of control methods including eco-burns, manual control and chemical control in dry sclerophyll forest/shrub vegetation communities 	<p>H</p>	<ul style="list-style-type: none"> • Hand pull smaller plants and cut and paint larger ones • Planting as required • Seek approval from Coast and Estuaries Officer to move emergency access point • Install bollards and remove slip rail • Spray 2/3 of bottom of Kikuyu slope and mulch and plant • Apply to Parks Operations to have top 1/3 of slope mown • Council staff to prepare REF in cooperation with a network of Bushcare Groups in the Bay & Basin 	<ul style="list-style-type: none"> • When plant is actively growing • Autumn – Winter 2015 • 2015 – 2016 • As resources permit
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<p>AREA B - Actions for Council Cyrus St Reserve (cliff face between house No's 96 – 88 Cyrus St)</p> <p>CURRENT & EXISTING ACTIONS</p> <ol style="list-style-type: none"> 1. Follow up control of Asparagus Fern, Winter Senna & Crofton using crowning methods, be sure to remove all red berries and crowns from site; and 2. Follow up control of Japanese Honeysuckle. <p>NEW ACTIONS</p> <ol style="list-style-type: none"> 3. Planting as required only in existing bushland areas to fill spaces left by removal of weeds and improve local habitat using species from the plans revegetation list see section 10 of plan. 		<ul style="list-style-type: none"> • Crown out Asparagus Fern • Hand pull smaller plants • Foliar spray at recommended rates • Cut and paint • Planting as required 	<ul style="list-style-type: none"> • When plant is actively growing • Spray in Spring and hand removal & Cut and Paint all year round • As resources permit
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<p>AREA C - Cyrus St Crown Foreshore Reserve E. <i>botryoides</i> remnant stand regeneration:</p> <p>CURRENT AND EXISTING ACTIONS</p> <ol style="list-style-type: none"> 1. On-going consultation with the Hyams Beach Village Association and the residents living opposite the reserve about the project aims; 2. Work in cooperation with SCC Parks Operations Unit to maintain the recreational and amenity values of the reserve; 3. On-going spot spraying of exotic grasses within the regeneration area, particularly along the mown interface; 4. On the bushland embankment follow up removal of weeds including Honeysuckle, Montbretia, Ochna and Crofton Weed and exotic grass; 5. Council to supply mulch to top up the area on a needs be basis within budgetary constraints; and 6. Bushcare group to plant a variety of aged single <i>E. botryoides</i> (Bangalay Gum) if there is no natural regenerate to replace single older decaying Bangalays. These should be strategically planted so as not to block the existing views lines. Removal of all mid storey species to maintain existing framed views as per the policy statement in section 3.6 of the SCC Foreshore Reserves Policy: <p>Note: “Definition of decaying for these purposes is a loss in health of the plant tissue/s leading to eventual death of the tree due to old age”.</p>	<p>M</p>	<ul style="list-style-type: none"> • Bushcare Group and SCC to consult • Bushcare Coordinator to consult with Park Operations Staff • Bushcare Group to maintain regeneration area by controlling exotic grasses. • Control as required • SCC to supply mulch and Bushcare Group to spread • Bushcare Group to undertake selective culling of mid story and planting of new <i>E. botrioydes</i> in direct consultation with SCC Bushcare Coordinator 	<ul style="list-style-type: none"> • On a needs be basis • On Going • On a needs be basis • On going • As required • As required
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“Where Council is required to revegetate foreshore lands in response to erosion or other identified environmental threat, it shall revegetate with a mix of tall and low growing plants with a view to preservation of amenity for residents.” (Shoalhaven Council Foreshore Reserves Policy)

NEW ACTIONS

1. Bushcare Group with support of Council to place crushed granite/sandstone on access track between areas D and C to provide a defined pedestrian desire lines/ access point to assist keeping foot traffic off the regeneration areas;
2. Bushcare Group to apply for small grant to design and produce an interpretive sign outlining what the group are trying to achieve in the regeneration of the reserves Bangalay Gums to provide shade and shelter into the future.
3. Planting as required only in existing bushland areas to fill spaces left by removal of weeds and improve local habitat using species from the plans revegetation list see section 10.
4. In cooperation with other Bushcare Groups in the Jervis Bay and St Georges areas as well Shoalhaven Council prepare a Review of Environmental Factors for a *Pittosporum undulatum* control program using a combination of control methods including eco-burns, manual control and chemical control in dry sclerophyll forest/shrub vegetation communities

- Bushcare Group utilise a labour market program to assist with the path construction. SCC to provide specifications for track construction and provide assistance with materials
- Council and Group to apply for funding
- Planting to use species from this plans suggested revegetation list in section 10
- Council staff to prepare REF in cooperation with a network of Bushcare Groups in the Bay & Basin

- 2015 -16
- 2014 – 15
- On a needs be basis
- As resources permit

<p>AREA D – Hyams Village Boat Ramp & Creek Area</p> <p>ACTIONS</p> <p>CURRENT AND EXISTING ACTIONS</p> <ol style="list-style-type: none"> 1. Continue to supplement plant out the Boat Ramp access road, on the Northern side with low growing plants from the following: <ol style="list-style-type: none"> a. Lomandra longifolia (Spiny Matt Rush); b. Themeda australis (Kangaroo Grass); c. Dianella spp (Native Flax); and d. Hibbertia scandens (Climbing Guinea Flower). <p>Other native understory species that do not exceed 1 metre in height;</p> 2. Continue to spot spray out Buffalo Grass around plantings as well as maintain the plantings; 3. Continue follow control of Winter Senna, Panic Velt Grass, Nasturtium, Montbretia and Tradescantia in and around boat ramp and the creeks riparian area. <p>NEW ACTIONS</p> <ol style="list-style-type: none"> 1. Monitor emerging <i>Hakea salifcifolia</i> (Willow Leaf Hakea) that is germinating in and around the creek to insure it does not dominate area and reduce biodiversity and selectively remove as required; 2. Spray and mulch Eastern side of planted/mown edge of creek and continue to control spread of grasses into riparian vegetation; and 3. Planting as required only in existing bushland areas only, to fill spaces left by removal of weeds and improve local habitat using species from the plans revegetation list see section 10 of this plan. 	<p>M</p>	<ul style="list-style-type: none"> • Plant at densities of 2-3 plants per square metre. • Spray with glyphosate 1: 200 ratio in winter • Hand removal, Cut and paint and herbicide control • If the Willow Hakea is dominating let Bushcare Coordinator know prior to removal. • Spray as required • Planting using species from plans suggested revegetation species list 	<ul style="list-style-type: none"> • On a needs be basis • Winter • On going • On going • On a needs be basis • On a needs be basis
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<p>AREA E – Vegetated area on foreshore reserve opposite Cyrus St, from boundary of Jervis Bay National Park to Navy compound.</p> <p>ACTIONS</p> <p>CURRENT AND EXISTING ACTIONS</p> <ol style="list-style-type: none"> 1. Follow up weed control of Blackberry, Honeysuckle, Ochna, Mistflower, Formosan Lily, Senna, Buffalo Grass and Fishbone Fern and annual weeds; 2. Revegetate areas where weeds have been removed using low growing species to insure that existing views/vistas of the beach are not obstructed, as follows: <ol style="list-style-type: none"> a. <i>Lomandra longifolia</i> (Spiny Matt Rush); b. <i>Themeda australis</i> (Kangaroo Grass); c. <i>Dianella spp</i> (Native Flax); and d. <i>Hibbertia scandens</i> (Climbing Guinea Flower). 3. Council to monitor planting in this area; 4. Install “Vegetation Vandalism Signs” on any further areas of foreshore that are subject to illegal vegetation removal/damage; 5. Retain all dead vegetation on site; and 6. Only work on moderate slopes. 7. In cooperation with other Bushcare Groups in the Jervis Bay and St Georges areas as well Shoalhaven Council prepare a Review of Environmental Factors for a <i>Pittosporum undulatum</i> control program using a combination of control methods including eco-burns, manual control and chemical control in dry sclerophyll forest/shrub vegetation communities 	<p>L</p>	<ul style="list-style-type: none"> • Combination of manual control (hand pulling, cut and paint & scrape and paint) and chemical control as required • Insure that only species that have a mature height of ½ metre are planted • SCC Bushcare staff to insure that low growing species are planted • Leave dead wood on-site • Follow site risk assessment controls • Council staff to prepare REF in cooperation with a network of Bushcare Groups in the Bay & Basin 	<ul style="list-style-type: none"> • On a needs be basis • On a needs be basis • Periodic inspections • On going • On going • As resources permit
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<p>AREA F - Moonah St Road Reserve</p> <p>NEW ACTIONS</p> <ol style="list-style-type: none"> 1. Work only on the ground layer of vegetation to: <ol style="list-style-type: none"> a. Undertake weed control of noxious and environmental weeds as required; and b. Supplement planting in the understory. 2. Have boundary of road reserve and 8 Booderee Drive surveyed. 	<p>L</p>	<ul style="list-style-type: none"> • Bushcare Group to control weeds and plant as required • Council to survey 	<ul style="list-style-type: none"> • On needs be basis • 2015
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BUSHCARE GROUP ACTION PLAN MAP
Map 1 - Areas A & B Hyams Beach and Silver Strand Cir. Reserves



Map 2 -Areas C & D - Boat Ramp and Duck Creek Reserve



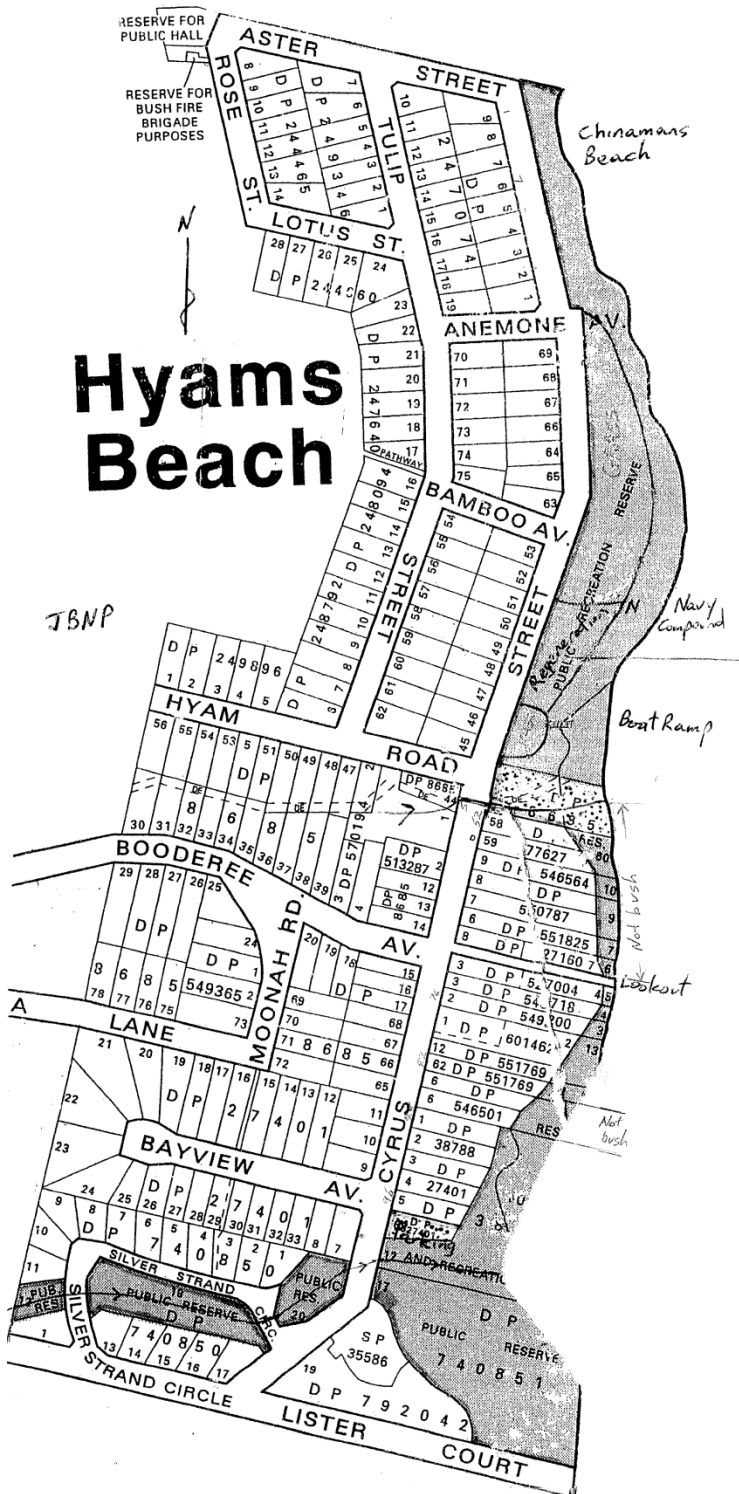
Map 3 – Area E Cyrus St Crown Foreshore Reserve



Map 5 – Area F – Moonah St Road Reserve



Appendix 1 – Map of Weeds of the Hyams beach foreshores reserves



JBNP: Weeding
 Area E: Buffalo grass, Blackberry, Fleabane, Nightshade, Fishbone Fern

Senna, Formosan Lily, Mist Flower, Blackberry

various white
 Ochna, Honeysuckle, Monbretia, Kikuyu

C
 D: Buffalo grass, Wandering Jew, Shivery grass, Arum Lily, Monbretia, Nasturtium, Asparagus Fern, Mother & Millions
 G: Senna, Ivy
 F: climbing groundsel
 Blackberry, Honeysuckle, Crofton weed

B: Monbretia, Crofton Weed, Vetch, Leonotis, Senna, Monbretia, Morning glory, blackeye susse, pampas

Area A
 JBNP 1/2010

3. VOLUNTEER ACTIVITIES RELATED TO THE ACTION: (TICK THE ACTIVITIES THAT THE GROUP VOLUNTEERS ARE LIKELY TO BE DOING AS PART OF THE ACTION PLAN)

Type of Activity	Yes	No	SWMS name included
Manual weed control (cut & paint, scrape and paint etc.)	√		SWMS1276
Chemical control (spraying of herbicides)	√		SWMS1276
Planting	√		SWMS1265
Minor construction (walking track, fencing, outdoor furniture)	√		SWMS1200
Propagation & seed collection	√		SWMS1265
Education (school groups, field days etc.)	√		N/A
Other			

4. COUNCIL ACTIVITIES RELATED TO THE ACTION PLAN

- a. Provide on-site support through the provision of a Bushcare Field Officer for three hours per month;
- b. Provision of technical advice on bush regeneration techniques and Work Health and Safety issues;
- c. Supply glyphosate, tools, weed bags and WHS equipment;
- d. Assistance with funding application;
- e. Contract management;
- f. Supply of top up mulch and plants; and
- g. Supply of gravel and edging for track.

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

Yes

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

PPE Equipment Required	Issued	Date
First Aid Kit	Yes	01/02/1015
Gloves	Yes	01/02/1015
Sunscreen	Yes	01/02/1015
Insect repellent	Yes	01/02/1015

7. POSSIBLE FUTURE FUNDING

Project	Funding source

8. PLAN WILL BE DUE FOR REVIEW:

8 September 2018

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

DOCUMENT NAME	YEAR PRODUCED	PRODUCED BY
Coastal Asset Plan		Shoalhaven City Council
Draft Shoalhaven Coastal Management Plan		Shoalhaven City Council
Generic Community Land – Natural Areas Plan of Management	2002	Shoalhaven City Council
Shoalhaven Foreshore Reserve Policy	2005	Shoalhaven City Council

10. SUGGESTED SPECIES LIST FOR FUTURE SITE REVEGETATION AREAS A, B & F

OVERSTOREY TREES	
SHRUBS	
Botanical	Common
<i>Acacia suaveolens</i>	Sweet Scented Wattle
<i>Banksia integrifolia</i> (only in the lower section of area A)	Coastal Banksia
<i>Banksia spinulosa</i>	Hairpin Banksia
<i>Correa alba</i>	Native Fuchsia
<i>Grevillea barklyana</i>	Jervis Bay Grevillea
<i>Myoporum acuminatum</i> (only in the lower section of area A)	Mangrove Boobiolla
<i>Santalum obtusifolium</i> (only in the lower section of area A)	Sandalwood
<i>Westringia fruticosa</i>	Coastal Rosemary
UNDERSTOREY (grasses, herbs, climbers)	
Botanical	Common
<i>Hardenbergia violacea</i>	Happy Wanderer
<i>Hibbertia scandens</i>	Golden Guinea Flower
<i>Kennedia rubicunda</i>	Running Postman
<i>Lomandra longifolia</i>	Spiny Headed Matt Rush

<i>Rhagodia condolleana</i>	Seablite
<i>Scaevola aemula</i>	Fan Flower
<i>Scaevola albida</i>	Coastal Fan Flower
<i>Themeda australis</i>	Kangaroo Grass

11. SUGGESTED SPECIES LIST FOR FUTURE AREAS C, D & E REVEGETATION

OVERSTOREY TREES	
Botanical	Common
<i>Eucalyptus botryoides</i> (Only in Area C)	Bangalay Gum
SHRUBS	
Botanical	Common
<i>Acacia suaveolens</i>	Sweet Scented Wattle
<i>Banksia spinulosa</i>	Hairpin Banksia
<i>Correa alba</i>	Native Fuchsia
<i>Grevillea barklyana</i>	Jervis Bay Grevillea
<i>Santalum obtusifolium</i> (only in the lower section of area D)	Sandalwood
<i>Westringia fruticosa</i>	Coastal Rosemary
UNDERSTOREY (grasses, herbs, climbers)	
Botanical	Common
<i>Hardenbergia violacea</i>	Happy Wanderer
<i>Hibbertia scandens</i>	Golden Guinea Flower
<i>Kennedia rubicunda</i>	Running Postman
<i>Lomandra longifolia</i>	Spiny Headed Matt Rush
<i>Rhagodia condolleana</i>	Seablite
<i>Scaevola aemula</i>	Fan Flower
<i>Scaevola albida</i>	Coastal Fan Flower
<i>Themeda australis</i>	Kangaroo Grass

12. SITE WEED LIST

Noxious	Other	Control Method
Pampas Grass		Spray glyphosate 1:100 during Spring Summer
	Honeysuckle	Scrape & Paint and Spray 1:100 glyphosate during winter spring
	Morning Glory	Scrape & Paint and manual removal and bag
	Blackberry	Chemical control or scrape and paint with neat glyphosate
	Montbretia	Dig out insuring the bulbs are removed
	Winter Senna	Hand pull seedlings or cut stump with neat glyphosate

	Buffalo Grass	Spot spray with Glyphosate:Water ratio of 1:200 in winter
	Mist Flower	Hand pull or spot spray
	Climbing Groundsel	Spot spray with Metsulfuron Methyl
Crofton Weed		Hand pull
	Fishbone Fern	Dig up or spot spray
	<i>Nasturtium spp.</i>	Dig out
	Tradescantia	Manual removal or spot spray

13. BUSHCARE SITE AREAS A & B SPECIES LIST (The following species have been recorded on the site)

OVERSTOREY TREES	
Botanical	Common
<i>Banksia integrifolia</i>	Coastal Banksia
<i>Eucalyptus botryoides</i>	Bangalay Gum
<i>Eucalyptus pilularis</i>	Blackbutt
<i>Leptospermum leavigatum</i>	Coastal Tea Tree
SHRUBS	
Botanical	Common
<i>Acacia brownei</i>	Heath Wattle
<i>Acacia falciformis</i>	Broad Leaf Hickory
<i>Acacia longifolia spp sophorae</i>	Coastal Wattle
<i>Acacia terminalis</i>	Sunshine Wattle
<i>Banksia serrata</i>	Saw Toothed Banksia
<i>Banksia spinulosa</i>	Hair Pin Banksia
<i>Breynia oblongifolia</i>	Breynia
<i>Callicoma serratifolia</i>	Black Wattle
<i>Eleocarpus reticulatus</i>	Blueberry Ash
<i>Homalanthus populifolius</i>	Bleeding Heart
<i>Melaleuca linariifolia</i>	Snow in Summer
<i>Notelaea longifolia</i>	Mock Olive
<i>Pittosporum undulatum</i>	Sweet Daphne
<i>Podocarpus spinulosus</i>	Spiny Leaf Podocarp
<i>Tristaniopsis laurina</i>	Water Gum
UNDERSTOREY (grasses, herbs, orchids)	
Botanical	Common
<i>Actinotus helianthi</i>	Flannel Flower
<i>Ammophila arenaria</i>	Marram Grass
<i>Calochlaena dubia</i>	False Bracken
<i>Carex appressa</i>	Tall Sedge

<i>Dianella caerulea</i> spp <i>caerulea</i>	Blue Flax Lilly
<i>Dichondra repens</i>	Kidney Weed
<i>Gahnia clarkei</i>	Sword Sedge
<i>Gonocarpus teucroides</i>	Raspwort
<i>Imperata cylindrica</i>	Blady Grass
<i>Lomandra longifolia</i>	Spiny Matt Rush
<i>Microlaena stipoides</i>	Weeping Grass
<i>Monotoca elliptica</i>	Pigeon Berry Ash
<i>Oplismenus aemulus</i>	Basket Grass
<i>Platylobium formosum</i>	Handsome Flat Pea
<i>Poa labillardieri</i> spp <i>labillardieri</i>	Tussock
<i>Pteridium esculentum</i>	Bracken Fern
<i>Spinifex sericeus</i>	Spinifex
UNDERSTOREY (vines & climbers)	
Botanical	Common
<i>Billardiera scandens</i>	Apple Dumpling
<i>Cassytha pubescens</i>	Devils Twine
<i>Eustrephus latifolius</i>	Wombat Berry
<i>Glycine clandestina</i>	Love Creeper
<i>Hardenbergia violacea</i>	Happy Wanderer
<i>Hibbertia scandens</i>	Native Guinea Flower
<i>Smilax glycyphylla</i>	Native Sarsaparilla

14. BUSHCARE SITE AREAS C, D & E SPECIES LIST (The following species have been recorded on the site)

OVERSTOREY TREES	
Botanical	Common
<i>Eucalyptus botryoides</i>	Bangalay Gum
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 suaveolens</i>	Sweet Wattle
<i>Banksia integrifolia</i>	Coastal Banksia
<i>Breynia oblongifolia</i>	Breynia
<i>Casuarina glauca</i>	Swamp She Oak
<i>Eleocarpus resticulatus</i>	Blueberry Ash
<i>Dodonea triquetra</i>	Native Hops
<i>Glochidion ferdinandi</i>	Cheese Tree
<i>Grevillea macleayana</i> (previously named <i>Grevillea Barklyana</i>)	Jervis Bay Grevillea
<i>Hakea salicifolia</i>	Willow Leaf Hakea
<i>Leptospermum leavigatum</i>	Coastal Tea Tree
<i>Melia azedarach</i>	White Cedar

<i>Monotoca elliptica</i>	Pigeon Berry Ash
<i>Myoporum acuminatum</i>	Boobiolla
<i>Phebalium squamulosum</i> spp. <i>argenteum</i>	Phebalium
<i>Pittosporum undulatum</i>	Sweet Daphne

UNDERSTOREY (grasses, herbs, orchids)

Botanical	Common
<i>Austrofestuca littoralis</i>	Coastal Fescue
<i>Cakile maritima</i>	Sea Rocket
<i>Carpobrotus glaucescens</i>	Pigface
<i>Correa alba</i>	White Correa
<i>Crinum pedunculatum</i>	Swamp Lily
<i>Cyathea australis</i>	Rough Fern
<i>Dianella caerulea</i>	Blue Flax Lily
<i>Dichondra repens</i>	Kidney Weed
<i>Eragrostis brownii</i>	Browns Love Grass
<i>Ficinia nodosa</i>	Knobby Club Rush
<i>Gahnia clarkei</i>	Tall Saw Sedge
<i>Gahnia melanocarpa</i>	Black Fruit Saw Sedge
<i>Imperata cylindrica</i>	Blady Grass
<i>Lepidosperma limicola</i>	Razor Sedge
<i>Lomandra longifolia</i>	Spiny Matt Rush
<i>Persicaria prostrata</i>	Creeping Knotweed
<i>Phragmites australis</i>	Common Reed
<i>Pteridium esculentum</i>	Bracken Fern
<i>Rytidosperma fulvum</i>	Wallaby Grass
<i>Santalum obtusifolium</i>	Blunt Sandalwood
<i>Urtica incisa</i>	Stinging Nettle
<i>Westringia fruticosa</i>	Coastal Rosemary

UNDERSTOREY (vines & climbers)

Botanical	Common
<i>Eustrephus latifolius</i>	Wombat Berry
<i>Hibbertia scandens</i>	Native Guinea Flower
<i>Kennedia rubicunda</i>	Dusky Coral Pea
<i>Marsdenia suaveolens</i>	Sweet Scented Doubah
<i>Smilax glycyphylla</i>	Native Sarsaparilla

Bushcare Group Name:

Coordinator Name:

Signature:.....

Date: .. / .. / ..