



FARRANT AVENUE BUSHCARE ACTION PLAN

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CONTACT INFORMATION

Group Name:	Farrant Avenue Bushcare Group
Reserve Name:	East Crescent & Culburra Beach Surf Club
Reserve Number:	CCU388
Land Tenure:	Crown Land TM/CC

1. BUSHCARE GROUP GOALS

Aim:

Improve the biodiversity of the dune vegetation at Warrain Beach at Culburra by undertaking a community bush regeneration project focusing on the dunes surrounding the Culburra Beach Surf Life Saving Club

Objectives:

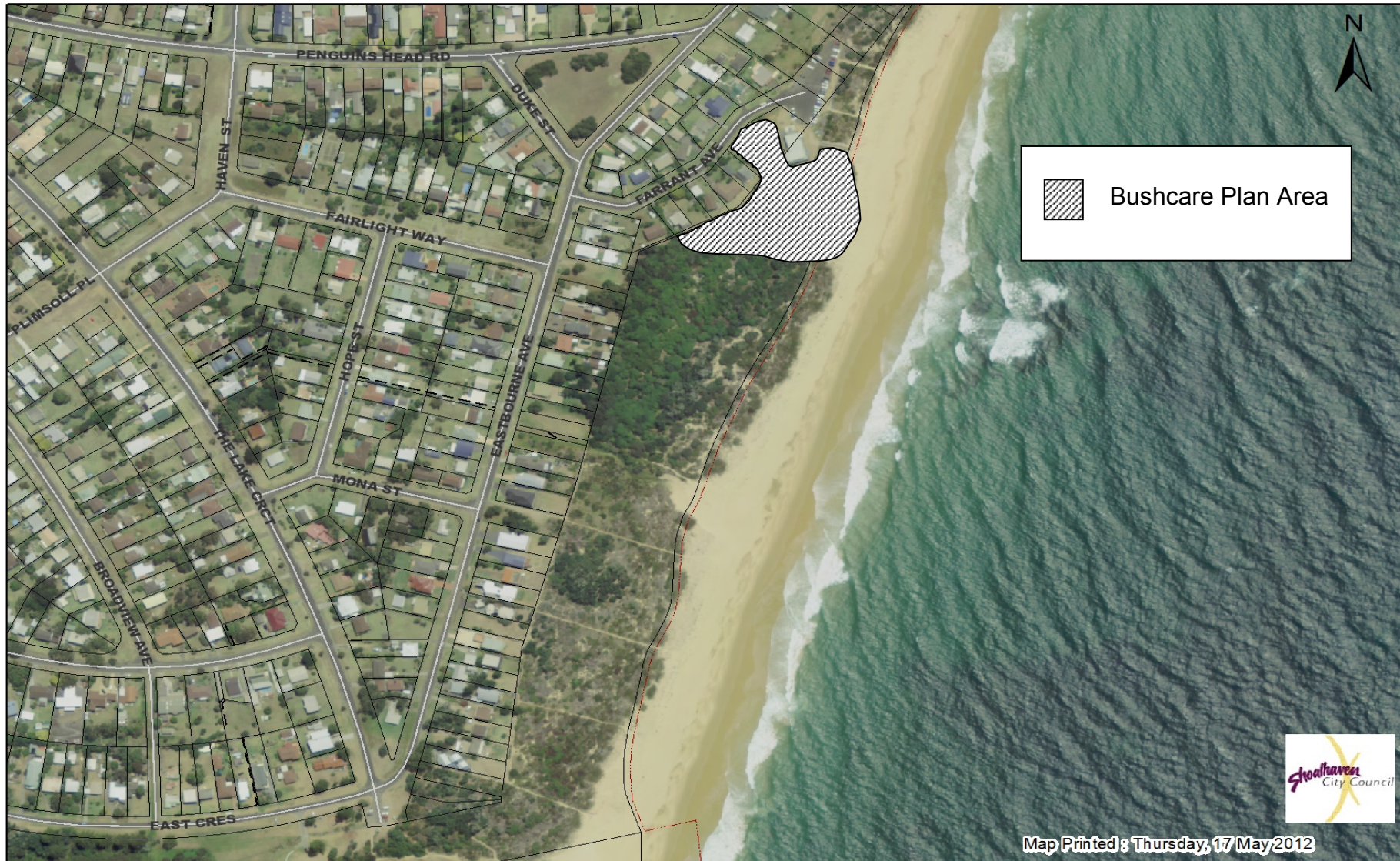
1. Staged control and removal of noxious and environmental weeds on the dunes to promote regeneration of the remnant vegetation.
2. Rehabilitate the dune vegetation on the western side of the surf club following the renovations.
3. Raise community awareness of the importance of protecting the remnant dune vegetation.

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	PRIORITY	METHOD	TIME
<p>Areas 1 to 7</p> <ol style="list-style-type: none"> <li data-bbox="185 491 1070 746">1. Maintain revegetation site previously cleared and planted in 2003. Storm damage to older mature <i>Banksia intergrifolia</i> and some re-mergence of Lantana where the initial <i>Acacia spp.</i> have died, also some encroaching of <i>Pittosporum undulatum</i> in new open areas. Propose to progressively hand weed, with Council permission, where possible and control grass edge. <li data-bbox="185 751 1070 847">2. Existing walking track, hand weeding predominantly Bitou Bush, Asparagus Fern and removal <i>Pittosporum undulatum</i> seedlings. <li data-bbox="185 852 1070 1002">3. Existing pruned area, continue hand weeding predominantly Bitou Bush and continue planting bare areas with low growing dune species such as Pigface and Lomandra. <li data-bbox="185 1007 1070 1102">4. Secondary revegetation area, contain the grass edge, hand weed and continue to extend local species into adjacent garden. <li data-bbox="185 1107 1070 1257">5. Residential grass edge, progressively cutback and define edge with fallen and driftwood timber to define mowing edge, revegetate adjacent banks with low growing native coastal species. <li data-bbox="185 1262 1070 1406">6. Surf Club Extension Area (see attachments 1 & 2) – The dune immediately west of the club is in very poor condition and requires landscaping and rehabilitation. This project needs to be jointly undertaken by Council, the Bushcare 	<ol style="list-style-type: none"> <li data-bbox="1093 491 1263 523">1. H <li data-bbox="1093 751 1263 783">2. M <li data-bbox="1093 852 1263 884">3. L <li data-bbox="1093 1007 1263 1038">4. M <li data-bbox="1093 1107 1263 1139">5. M <li data-bbox="1093 1262 1263 1294">6. H 	<ol style="list-style-type: none"> <li data-bbox="1285 491 1789 523">1. Cut and paint and hand pulling <li data-bbox="1285 751 1789 783">2. Hand removal <li data-bbox="1285 852 1789 884">3. Hand removal <li data-bbox="1285 1007 1789 1070">4. Spot spray grass edges with 1:100 glyphosate <li data-bbox="1285 1107 1789 1171">5. Spot spray grass edges with 1:100 glyphosate 	<ol style="list-style-type: none"> <li data-bbox="1812 491 1953 523">On going <li data-bbox="1812 751 1953 783">On going <li data-bbox="1812 852 1953 884">On going <li data-bbox="1812 1007 1953 1070">Autumn & Winter <li data-bbox="1812 1107 1953 1139">On going <li data-bbox="1812 1262 1953 1326">2013 – 2018

GROUP ACTION	PRIORITY	METHOD	TIME
<p>Group and Surf Club as follows:</p> <ul style="list-style-type: none"> a. Clarify boundaries of sub-division of Lots 21 & 22 DP206466 in order to ascertain the extent of rehabilitation and revegetation works in relation to Surf Club and boundary of Lot 21 b. Hold site meeting with Council, Bushcare Group and Surf Club to agree on a plan and contributions c. Prepare Landscape plan for site rehabilitation d. Seek funding to carry out plan e. Bushcare Group and surf club to maintain area <p>7. Dune woodland beyond Bushcare zone, storm damage to some older mature Banksia intergrifolia due to borer from previous lopping, increasing <i>Pittosporum undulatum</i> seedlings in this area.</p> <p>8. Continue to talk and distribute sound information to adjacent residents/landholders about the importance of maintaining healthy native vegetation on the Warrain Beach dunes for both biodiversity and protection from large storm wave events and salt laden winds</p>	<p>7. L</p> <p>8. H</p>	<p>7. Replacement planting as required and hand pulling of seedlings</p> <p>8. Council to provide up to date information the importance of healthy dune vegetation for Bushcare group to distribute and face to face contact with neighbours, surf club and visitors.</p>	<p>On going</p> <p>On going</p>

3. FARRANT AVE BUSHCARE GROUP ACTION PLAN MAP 1 – SITE AFFECTED BY PLAN



FARRANT AVE BUSHCARE GROUP SITE MAP 2 – ZONE 1 DETAILS



4. BUSHCARE GROUP WHS EQUIPMENT REQUIREMENTS

Type of Activity	Yes	SWMS name included
Manual weed control (cut and paint, scrape and paint etc)	√	SWMSNR040 Weed Control Activities
Chemical control (spraying of herbicides)	√	SWMSNR040 Weed Control Activities
Planting	√	SMSNR030 Planting Propagation & Seed
Minor construction (walking track, fencing, outdoor furniture)		
Propagation and seed collection		
Education (school groups, field days etc)		
Other		

5. COUNCIL SUPPORT

- a. Technical advice and support
- b. Provision of PPE equipment
- 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. Assistance with facilitation and negotiation with

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	Not as yet
Gloves	Not as yet
Sunscreen	Not as yet
Insect repellent	Not as yet

8. POSSIBLE FUTURE FUNDING

Project	Funding source
Regeneration of Warrain Beach Littoral Rainforest pockets	SRCMA or Community Action Grants

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
Shoalhaven Natural Areas – Generic Community Land Plan of Management	2001	Shoalhaven City Council
Shoalhaven Foreshore Reserves Policy	2004	Shoalhaven City Council
Shoalhaven Coastal Zone – Plan of Management	2012	Shoalhaven City Council

10. RECOMMENDED PLANTING/REVEGETATION SPECIES LIST

OVERSTOREY TREES (<i>To be planted only in areas where vegetation vandalism has occurred</i>)	
Botanical	Common
<i>Acmena smithii</i>	Lillypilly
<i>Banksia integrifolia</i>	Coastal Banksia
<i>Eucalyptus botrioides</i>	Bangalay
SHRUBS	
Botanical	Common
<i>Correa alba</i>	White Correa
<i>Leptospermum levegatum</i>	Coastal Tea tree
<i>Myoporum insulare</i>	Coastal Boobialla
UNDERSTOREY (grasses, herbs, climbers)	
Botanical	Common
<i>Carpobrotus glaucescens</i>	Pig Face
<i>Commelina cyanea</i>	Commelina
<i>Dianella caurelea</i>	Blue Flax Lily
<i>Hibbertia scandens</i>	Guinea Flower
<i>Isolepis nodosa</i>	Club Rush
<i>Lomandra longifolia</i>	Spiny Mat Rush
<i>Microlaena stipoides</i>	Weeping Grass
<i>Plectranthus parviflorus</i>	Cockspur
<i>Rhagodia candolleana</i>	Salt Bush
<i>Themeda australis</i>	Kangaroo Grass

11. SITE WEED LIST (See attached bush regenerators information sheets for more details)

Noxious	Environmental	Control Method
Lantana camara (Lantana)		Cut and paint larger plants or hand pull smaller plants or spray with a non-selective herbicide
Chrysanthemoides monulifera subsp rotunda (Bitou Bush)		Cut and paint larger plants or hand pull smaller plants or spray with a non-selective herbicide
Senecio madagascariensis (Fireweed)		Hand pull small isolated plants and remove from site or spot spray larger infestations with a selective herbicide during winter
	Asparagus aethiopicus (Asparagus Fern)	Dig out underground growing parts (rhizome) and remove from site. Larger infestations can be sprayed with a selective herbicide
	Senna pendula (Cassia)	Cut and paint larger plants or hand pull smaller plants

	Ochna serrata (Mickey Mouse Bush)	Cut and paint larger plants or hand pull smaller plants
	Bryophyllum pinnatum (Resurrection Plant)	Spray larger infestations with a selective herbicide. Smaller infestations can be hand pulled insuring that all plant material is removed from site
	Hydrocotyle bonariensis(Kurnell Curse)	Can be sprayed with a selective herbicide
	Acacia saligna (Western Australian Wattle)	Larger trees should be drilled and injected and left in situ. Younger plants should be cut and painted
	Hedychium gardeneranium (Ginger Lily)	Dig out all rhizomes and remove from site
	Verbena bonariensis (Purple Top)	Hand pull plants
	Conyza bonariensis (Fleabane)	Hand pull plants
	Nasturtium tropaeolum (Nasturtium)	Spray larger infestations with a non-selective herbicide. Smaller infestations can be hand pulled
	Lagunaria pattersonia (Norfolk Island Hibiscus)	Larger trees should be drilled and injected and left in situ. Younger plants should be cut and painted
	Erharta erecta (Erharta)	Spray with a non-selective herbicide ensuring that follow up spraying is undertaken
	Stenotaphrum secundatum (Buffallo Grass)	Spray with 1% dilution rate of a non-selective herbicide such as glyphosate during winter
	Sporobolus africanis (Parramatta Grass)	Individual plants can be hand pulled. Larger infestation should be sprayed with a non-selective herbicide at recommended rates
	Paspalum dilatatum (Paspalum)	Spray with a non-selective herbicide ensuring that follow up spraying is undertaken
	Cynodon dactylon (Couch)	Spray larger infestations with a non-selective herbicide. Smaller infestations can be hand pulled
	Crassula multicava (Shade Crassula)	Smaller infestations can be dug out and removed. Larger ones should be sprayed with a non-selective herbicide plus wetting agent

12. BUSHCARE SITE SPECIES LIST

OVERSTOREY TREES	
Botanical	Common
<i>Acacia obtusifolia</i>	Wattle
<i>Acmena smithii</i>	Lillypilly
<i>Banksia integrifolia</i>	Coastal Banksia
<i>Casuarina glauca</i>	Swamp She Oak
<i>Eucalyptus botrioides</i>	Bangalay
<i>Pittosporum undulatum</i>	Sweet Pittosporum
SHRUBS	
Botanical	Common
<i>Correa alba</i>	White Correa
<i>Leptospermum levegatum</i>	Coastal Tea tree
<i>Leucopogon parvifloris</i>	Pigeon Berry Ash
<i>Monotoca eliptica</i>	Broom Heath
<i>Myoporum insulare</i>	Coastal Boobiella
UNDERSTOREY (grasses, herbs, climbers)	
Botanical	Common
<i>Carpobrotus glaucescens</i>	Pig Face
<i>Commelina cyanea</i>	Commelina
<i>Dianella caurelea</i>	Blue Flax Lily
<i>Imperata cylindrica</i>	Blady Grass
<i>Isolepis nodosa</i>	Club Rush
<i>Lomandra longifolia</i>	Spiny Mat Rush
<i>Microlaena stipoides</i>	Weeping Grass
<i>Plectranthus parviflorus</i>	Cockspur
<i>Rhagodia candolleana</i>	Salt Bush
<i>Rubus parviflorus</i>	Native Raspberry
<i>Sonchus megalocarpus</i>	Beach Sow Thistle
<i>Themeda australis</i>	Kangaroo Grass
<i>Typha orientalis</i>	Bullrush
UNDERSTOREY (vines & climbers)	
Botanical	Common
<i>Glycine clandestina</i>	Slender Love Creeper
<i>Hibbertia scandens</i>	Guinea Flower

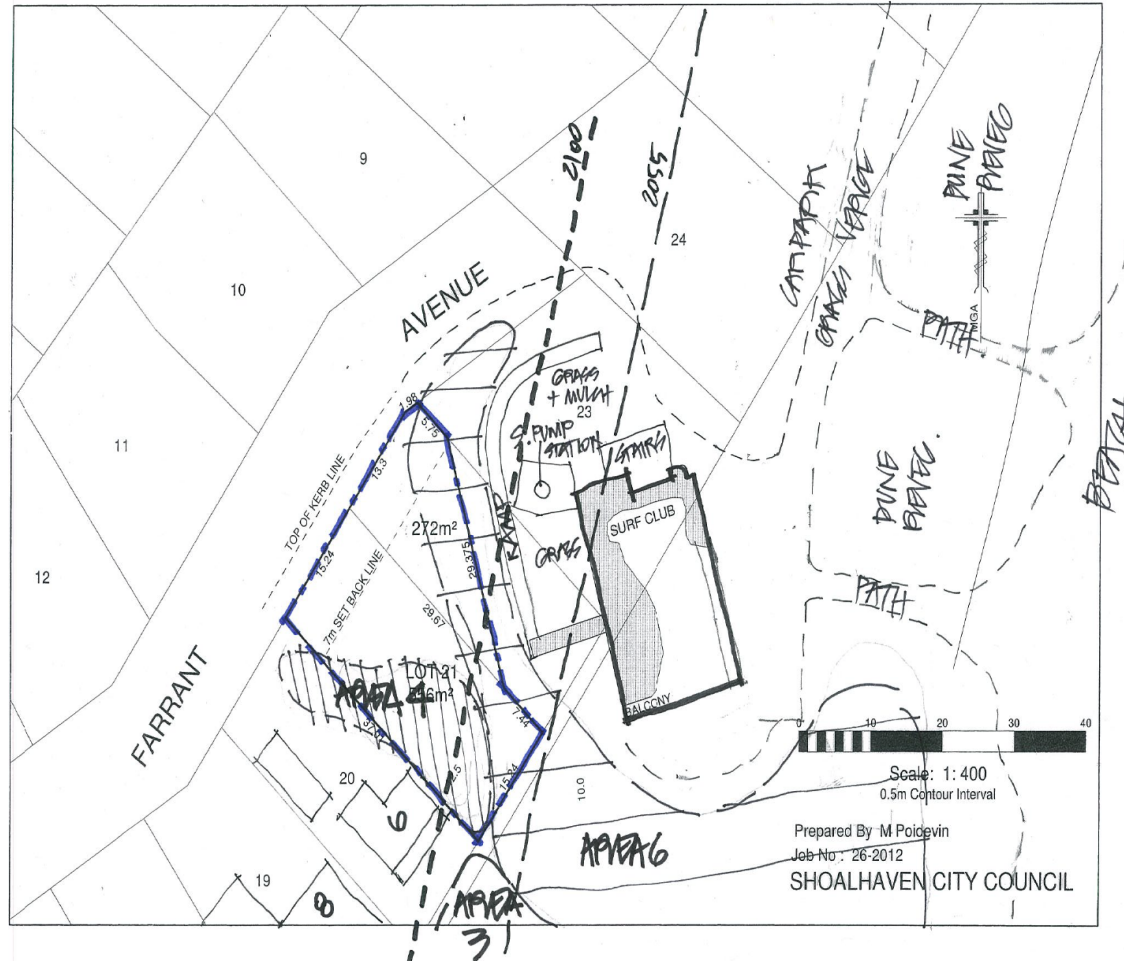
Bushcare Group Name:

Coordinator Name:

Signature:

Date:/...../.....

Attachment 1: Details of Lot 21 & Culburra Surf Life Saving Club Area



Attachment 2: Photo of dune area to the west of Culburra Surf Life Saving Club identified for rehabilitation



