



DOLPHIN POINT BUSHCARE ACTION PLAN

CONTACT INFORMATION

Group Name:	Dolphin Point Bushcare Group
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Reserve Name:	Dolphin Point
Reserve No:	SDP904
Land Tenure:	Crown Land TM/CC

1. BUSHCARE GROUP GOALS

Undertake restoration and regeneration of the Dolphin Point Reserve to increase the reserve's biodiversity. The objectives are as follows:

1. Reduction of Cape Ivy (*Delairea ororata*) infestations on the headland.
2. Removal of other ground cover exotic weeds from under the existing canopy of the headland's vegetation to encourage regeneration of the headland's remnant vegetation.
3. Protection and restoration of the Bangalay Sand Forest of the Sydney Basin and south east Corner Bioregions on the headland, which is listed as an Endangered Ecological Community (EEC) under the NSW Threatened Species and Conservation Act 1995.

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>Area 1 – Most easterly headland north of rock platform access track Bushcare Group Actions (work away from cliff edge) 1. Assist with on-going spot spraying or removal of seed</p> <p>Council Actions 1. Spray all Cape Ivy infestations in Area 1 2. Conduct follow up control as budgets permit</p>	H	<p>Bushcare Group 1. Spray using glyphosate at ration of 1:100 glyphosate/water</p> <p>Council Actions 1. Qualified persons to undertake spraying</p>	Spring - Summer
<p>Area 2 - Cliff top area along southern side of Dolphin Point Bushcare Group Actions (work away from cliff edge) 1. Cut Cape Ivy from tree canopy and pull biomass onto the ground 2. Clear around native ground covers in preparation for spraying 3. Assist with on-going spot spraying of Cape Ivy and/or removal of seed 4. Spray Panic Grass and Kikuyu in areas under the canopy of Banksia and Swamp Oak</p>	H	<p>Bushcare Group 1. Cut climbing vines and pull to the ground 2. Pull Cape Ivy away from native ground covers to avoid spray drift damage 3. Spot spray regrowth Cape Ivy with glyphosate at ratio of 1/100 glyphosate/water 4. Bag seed and remove from site 5. Spray with 1/200 glyphosate/water</p>	Spring - Summer

GROUP ACTION	PRIORITY	METHOD	TIME
Council Actions 1. Spray all Cape Ivy infestations in area 2 2. Conduct follow up control as budgets permit		Council 1. Qualified persons to undertake spraying of Cape Ivy	
Area 3 – Littoral Rainforest pocket at base of cliff Bushcare Group Actions 1. Pull climbing Cape Ivy out of canopy trees 2. Spot spray regrowth Cape Ivy as needed Council Actions 1. Spray all Cape Ivy infestations on the ground	M	Bushcare Group 1. Cut climbing vines and pull to the ground 2. Spot spray with glyphosate at ratio of 1:100 glyphosate/water Council 1. Qualified persons to undertake spraying of Cape Ivy	Spring - Summer
Area 4 – Northern side of headland Bushcare Group Actions 1. Control of Asparagus Fern 2. Control of Japanese Honeysuckle 3. Undertake follow control on woody weeds such as Senna, Green Cestrum and African Scurf Pea Council Actions 1. Undertake control of woody weeds including Green Censtrum, Senna and African Scurf Pea	L	Bushcare Group 1. Crown removal or spot spraying (see attached bush regeneration fact sheet) 2. Spot spray with glyphosate at ratio of 1:100 glyphosate/water 3. Hand pull or cut and paint (see attached bush regeneration fact sheet) Council 1. Cut and paint woody weeds	All year

2 (a) SHOALHAVEN BUSHCARE REVEGETATION PLAN – TABLE

GROUP ACTION	METHOD	TIME
<p>Area 1 – Most easterly headland north of rock platform access track</p> <p>1. Plant out and other sections of area 1 with mid story species, with a maximum height of 3 metres, and ground cover species, as per suggested revegetation species list</p> <p>Council Actions</p> <p>1. Assist with site preparation and supply of plants and other necessary equipment</p>	<p>Bushcare Group</p> <p>1. Bushcare to plant out and maintain all plantings</p> <p>Council Actions</p> <p>1. Spray out areas in preparation for planting 2. Supply plants, guards, stakes, water crystals and fertiliser tablets 3. Provide water cart if required</p>	<p>Autumn through to early spring</p>
<p>Area 2 - Cliff top area along southern side of Dolphin Point</p> <p>Bushcare Group Actions (work away from cliff edge)</p> <p>1. Maintain vistas/views on the southern end of area 2 by only planting ground cover species as per suggested revegetation species list 2. Towards northern end area 2, nearer to lookout, plant</p>	<p>Bushcare Group</p> <p>Bushcare to plant out and maintain all plantings</p>	<p>Autumn through to early spring</p>

GROUP ACTION	METHOD	TIME
<p>treated areas with a mix of under story and mid story species, as per suggested revegetation species list</p> <p>Council Actions</p> <ol style="list-style-type: none"> 1. Assist with site preparation and supply of plants and other necessary equipment 	<p>Council Actions</p> <ol style="list-style-type: none"> 1. Spray out areas in preparation for planting 2. Supply plants, guards, stakes, water crystals and fertiliser tablets 3. Provide water cart if required 	
<p>Area 3 – Littoral Rainforest pocket at base of cliff</p> <p>Bushcare Group Actions</p> <ol style="list-style-type: none"> 1. Any re-vegetation in area 3 should be a low priority until Cape Ivy is only present in less than 5% of the area 2. A mix of ground cover, mid story and over story species to be planted in area 3. With main efforts being made in providing a buffer strip of hardy coastal species on the eastern side to provide protection for the small Littoral Rainforest from salt laden winds <p>Council Actions</p> <ol style="list-style-type: none"> 1. Assist with site preparation and supply of plants and other necessary equipment 	<p>Bushcare Group</p> <ol style="list-style-type: none"> 1. Bushcare to plant out and maintain all plantings <p>Council Actions</p> <ol style="list-style-type: none"> 1. Spray out areas in preparation for planting 	<p>Autumn through to early spring</p>

GROUP ACTION	METHOD	TIME
	2. Supply plants, guards, stakes, water crystals and fertiliser tablets 3. Provide water cart if required	
<p>Area 4 – Northern side of headland</p> <ol style="list-style-type: none"> 1. Maintain vista/views lines (as per plan's map) by only planting ground cover species up to a maximum height of 1 metre in these areas, as per suggested revegetation species list 2. Plant out and other sections of area 1 with mid story species, with a maximum height of 3 metres, and ground cover species, as per suggested revegetation species list <p>Council Actions</p> <ol style="list-style-type: none"> 1. Assist with site preparation and supply of plants and other necessary equipment 		

3. DOLPHIN POINT BUSHCARE GROUP ACTION PLAN MAP 2



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		
Education (school groups, field days etc)		
Other		

5. COUNCIL SUPPORT

- a) Assistance with primary control of Cape Ivy and other woody weeds
- b) Install "Bushcare Group Working on this reserve" sign
- c) Technical advise and training
- d) Tools and equipment
- e) Grant application and management support
- f) Printing
- g) One Bushcare Support Trainer to assist the group on site for 4 hours per month
- h) Plants
- i) 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	11/2011
Gloves	11/2011
Sunscreen	11/2011
Insect Repellent	11/2011

8. POSSIBLE FUTURE FUNDING

Project	Funding source
Assistance with weed control and revegetation of degraded areas of Dolphin Pt	SRCMA or Australian Government

9. PLAN WILL BE REVIEWED EVERY THREE YEARS

Next review due:




23 October 2015

The group should review a summary of the Bushcare Policy & Procedures at the time of each annual review

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 (> 3 Metres)	
	
Botanical	Common
<i>Banksia integrifolia</i>	Coastal Banksia
<i>Casuarina gluaca</i>	Swamp Oak
SHRUBS (1 to 3 metres)	
	
Botanical	Common
<i>Acacia longifolia spp sophorae</i>	Coastal Wattle
<i>Goodenia ovata</i>	Goodenia Hop
<i>Melalueca hypicifolia</i>	Ulladulla Beacon
<i>Myoporum acuminatum</i>	Boobialla
<i>Rhagodia candolleana</i>	Seablite
<i>Trema aspera</i>	Native Peach
<i>Westringia fruticosa</i>	Coastal Rosemary
UNDERSTOREY (grasses, herbs, climbers - < 1 metres)	
	
Botanical	Common
<i>Carpobrotus glaucesens</i>	Pig Face
<i>Dianella caerulea</i>	Native Flax
<i>Gahnia clarkei</i>	Sword Grass
<i>Geranium solanderi spp. Solanderi</i>	Curleaf Cransbill
<i>Hibbertia scandens</i>	Guinea Flower
<i>Isolepsis nodosa</i>	Club Rush
<i>Kennedia rubicunda</i>	Dusky Coral Pea
<i>Lomandra longifolia</i>	Matt Grass
<i>Pelargonium australe</i>	Native Geranium
<i>Tetragonia tetragonioides</i>	Warrigal Greens
<i>Viola hederacea</i>	Native Violet

12. SITE WEED LIST

Noxious	Environmental
	<i>Asparagus densiformis</i> (Asparagus Fern)
	<i>Briza maxima</i> (Quacking Grass)
	<i>Coprosma rapens</i> (Mirror Bush)
	<i>Crocasmia x crocosmiiflora</i> (Montbretia)
<i>Rubus fruticosus</i> (Blackberry)	<i>Delairea odorata</i> (Cape Ivy)
	<i>Ehrharta erecta</i> (Panic Grass)
	<i>Erthrina x skysii</i> (Coral Tree)
	<i>Hydychium gardnerianum</i> (Wild Ginger)
<i>Cestrum parqui</i> (Green Castrum)	<i>Lonicera japonica</i> (Honeysuckle)
	<i>Paspalum dilatatum</i> (Paspalum Grass)
	<i>Pennisetum clandestinum</i> (Kikuyu Grass)
	<i>Psoralea pinnata</i> (African scurfpea)
	<i>Securigera varia</i> (Vetch)
	<i>Senna pendula</i> spp <i>pendula</i> (Senna)
	<i>Solanum nigrum</i> (Blackberry Nightshade)
	<i>Styenotaphrum secundatum</i> (Buffalo Grass)
	<i>Taraxcum</i> spp. (Dandelion)
	<i>Tradescantia fluminensis</i> (Wandering Jew)
	<i>Verbena bonariensis</i> (Purple Top)
	<i>Zantedeschia aethiopica</i> (Arum Lily)

13. BUSHCARE SITE SPECIES LIST

OVERSTOREY TREES	
Botanical	Common
<i>Acmena smthii</i>	Lilly Pilly
<i>Banksia integrifolia</i>	Coastal Banksia
<i>Casuarina glauca</i>	Swamp Oak
<i>Eucalyptus botryoides</i>	Bangalay Gum
<i>Rapanea viaribilis</i>	Brush Muttonwood

SHRUBS	
Botanical	Common
<i>Acacia longifolia</i> spp <i>sophorae</i>	Coastal Wattle
<i>Brynia oblongifolia</i>	Native Privet
<i>Goodenia ovata</i>	Goodenia Hop
<i>Leucopon parvifolios</i>	Bearded Heath
<i>Melalueca hypicifolia</i>	Ulladulla Beacon
<i>Myoporium acuminatum</i>	Boobialla
<i>Pittosporum undulatum</i>	Sweet Pittosporum
<i>Rhogadia candolleana</i>	Seablite
<i>Trema aspera</i>	Native Peach
<i>Westringia fruticosa</i>	Coastal Rosemary

UNDERSTOREY (grasses, herbs, orchids)	
Botanical	Common
<i>Carex appressa</i>	Carex
<i>Carpobrotus glaucesens</i>	Pig Face
<i>Dianella caerulea</i>	Native Flax
<i>Dichondra repens</i>	Kidney Weed
<i>Doodia aspera</i>	Rasp Fern
<i>Garnia clarkei</i>	Sword Grass
<i>Geranium solanderi</i> spp. <i>solanderi</i>	Curleaf Cransbill
<i>Isolepis nodosa</i>	Club Rush
<i>Lomandra longifolia</i>	Matt Rush
<i>Palargonum suatrale</i>	Native Geranium
<i>Plectranthus parviflorus</i>	Cockspur Flower
<i>Tetragonia tetragoniodes</i>	Warrigal Greens
<i>Violoa hederacea</i>	Native Violet

UNDERSTOREY (vines & climbers)	
Botanical	Common
<i>Eustrephus latifolius</i>	Wombat Berry
<i>Hibbertia scandens</i>	Guinea Flower
<i>Kennedia rubicunda</i>	Dusky Coral Pea
<i>Marsdenia rostrata</i>	Common Milk Vine
<i>Parsonsia straminea</i>	Silk Pod Vine
<i>Stephania japonica</i>	Snake Vine

Bushcare Group Name

Coordinator Name

Signature

Date /