

## BUSHCARE SITE ACTION PLAN

### Concord Bushcare

#### Site description

Concord Bushcare work in Queen Elizabeth II Park and at Lovedale Place, Concord West. Queen Elizabeth II Park is located on Broughton St in Concord and is a 2.5 hectare remnant of Sydney Turpentine Ironbark Forest (STIF), an Endangered Ecological Community listed under the *Threatened Species Conservation Act 1995*.

Significant trees found in the park include Turpentine (*Syncarpia glomulifera*) and Grey Ironbark (*Eucalyptus paniculata*). For more detail refer to the Species List included in this document. Specific conservation zones were established 15 years ago to promote regeneration of indigenous species. Mowing has been excluded from these areas and timber barriers were installed to avoid damage by trampling.

Concord Bushcare also work once a month at the Lovedale Place Bushcare site located in Concord West. The site contains one of the most significant remnant estuarine vegetation complexes in the lower Parramatta River catchment. Bushcare volunteers have been involved in planning and operational aspects of the management of Lovedale Place.

Lovedale Place.

#### Bushcare Guidelines

Bushcare Volunteers will work on this site twice a month for 3 hours. Volunteers are to adhere to this action plan and are to be supervised by Council Bushcare at all times.

In order to participate Volunteers are required to have registered in the Canada Bay Council Bushcare program, follow Safe Work Method Statements and adhere to safe operating procedures. Canada Bay Councils insurance covers people between the ages of 10 and 90. Children under the age of 15 must be accompanied by their parents.

#### Objectives

The main objective of work carried out on this site is to increase biodiversity and manage Environmental and Noxious weeds as well as assist in creating habitat for fauna. Particular care must be taken during weeding to ensure over clearing of exotic grasses does not occur.

#### Strategies

- Comprehensively target all flowering and seeding weed species in Bushcare area subject to flowering times throughout the year. Annual Environmental weeds (e.g. *Bidens pilosa*) should be a priority.
- Monitor and maintain existing indigenous vegetation.
- Involve Bushcare Volunteers in the identification of plant species onsite.
- Bushcare Volunteers to be involved in development of Grass Identification sheets, ,

- Regeneration work is to be carried out from good to bad areas (Bradley Method).
- Expansion into new areas should be cautious and dependant on rates of regeneration and weed control.
- Plant suitable local provenance indigenous plants.
- Regular discussion and feedback to be carried out with Bushcare Volunteers
- Seed collection to occur as directed by Supervisor.
- Council to investigate the use of a flame weeder to control herbaceous weeds and encourage regeneration of native grasses.

## Area Specific Strategies

### Queen Elizabeth II Park

#### Zone 1 - Flagpole

- Maintain existing vegetation including grass species (esp. *Entolasia marginata*)
- Monitor and control spread of Kikuyu grass into areas previously worked.
- Hand weed around shrubs (e.g. *Ozothamnus diosmifolium*) and *Syncarpia glomulifera* seedlings.
- Rubbish removal as required

#### Zone 2 - Memorial Site

- Memorial area is to be maintained and managed primarily as a native garden not a revegetation site.
- Plant native species (*Ozothamnus diosmifolium*) including grasses (e.g. *Microlaena stipoides*) to compliment existing Austral Indigo (*Indigofera australis*).
- Investigate use of high quality Eucalyptus mulch.
- Council Bushcare staff to spray carefully with herbicide as needed.
- Control spread of Kikuyu into garden area.

### Lovedale Place Bushcare Site

- Monitor and maintain existing vegetation.
- Keep to designated track (Rivendell) while walking through grass area.
- Hand weed emerging weed seedlings.
- Discuss planting options with Bushcare Volunteers.
- Rubbish to be removed as required.

### Quarantine Reserve Bushcare Site

#### Area 1

- Top section: Well established area with native vegetation. Removal of scattered herbaceous weeds such Ehrharta, Thistles, Flick weed and chick weed.
- Bottom section: Dominated by stand of Casuarina and mircolena. Removal of scattered weeds such Ehrharta, Thistles and couch. Care needs to be taken as asbestos has been occasionally found in this area.

#### Area 2

- Top section: Hand weed herbaceous weeds through planted area on sandstone ridge
- Bottom section: Weed ehrharta and couch. Supplementary planting may be required.

## Existing Species List - Queen Elizabeth Park II

### Native Plants

Botanical Name	Common Name
<i>Acacia falcata</i>	
<i>Acacia parramattensis</i>	Parramatta Green Wattle
<i>Aristida vagans</i>	Three awned Speargrass
<i>Breynia oblongifolia</i>	Breynia
<i>Carex sp.</i>	Common Sedge
<i>Centella asiatica</i>	
<i>Commelina cyanea</i>	Commelina
<i>Cotula australis</i>	Common Cotula
<i>Danthonia tenuior</i>	Wallaby Grass
<i>Dianella revolouta</i>	Mauve Flax Lily
<i>Dichondra repens</i>	Kidney Weed
<i>Echinopogon caespitosa</i>	Hedgehog Grass
<i>Einadia sp.</i>	
<i>Entolasia marginate</i>	Entolasia
<i>Eragrostis brownie</i>	Browns Love Grass
<i>Eucalyptus globoidea</i>	White Stringybark
<i>Eucalyptus pilularis</i>	Blackbutt
<i>Eucalyptus resinifera</i>	Red Mahogany
<i>Eucalyptus siderophloia</i>	Northern Ironbark
<i>Glycine sp.</i>	Glycine
<i>Lachnograstis filiformis</i>	Blown Grass
<i>Lagenifera stipitata</i>	
<i>Microlaena stipoides</i>	Weeping Grass
<i>Ozothamnus diosmifolium</i>	Dogwood
<i>Paspalidium distans</i>	Panic Grass
<i>Poranthera microphylla</i>	Poranthera
<i>Pseuderantherum variable</i>	Pastel Flower
<i>Syncarpia glomulifera</i>	Turpentine
<i>Veronica plebia</i>	Veronica
<i>Wahlenbergia sp.</i>	Native Bluebell

## Existing Species List

### Weed species

Botanical Name	Common Name
<i>Acacia saligna</i>	Blue- leaved Wattle
<i>Araujia sericifera</i>	Moth Vine
<i>Bidens pilosa</i>	Bidens
<i>Chloris gayana</i>	Rhodes Grass
<i>Conyza sp.</i>	Fleabane
<i>Cynodon dactylon</i>	Couch
<i>Erharta erecta</i>	Panic Veldt Grass
<i>Pennisetum clandestinum</i>	Pennisetum
<i>Setaria pumila</i>	Pigeon Grass
<i>Sida rhombifolia</i>	Paddys Lucerne
<i>Solanum nigrum</i>	Black Nightshade
<i>Sonchus oleraceus</i>	Sow thistle
<i>Stenotaphrum secundatum</i>	Buffalo

## Existing Species List - Lovedale Place

### Native Plants

Botanical Name	Common Name
<i>Acacia decurrens</i>	Sydney Green Wattle
<i>Acacia stricta</i>	Straight Wattle
<i>Acacia suaveolens</i>	Sweet-scented Wattle
<i>Acacia longifolia</i>	Sydney Golden Wattle
<i>Acacia falcata</i>	Sickle Wattle
<i>Alphitonia excelsa</i>	Red Ash
<i>Amyema congener</i>	Mistletoe
<i>Angophora floribunda</i>	Rough-barked Apple
<i>Angophora costata</i>	Sydney Red Gum
<i>Avicennia marina var. australiasica</i>	Grey Mangrove
<i>Banksia integrifolia</i>	Coastal Banksia
<i>Casuarina glauca</i>	Swamp Sheoak
<i>Cayratia clematidea</i>	Slender Grape
<i>Commelina cyanea</i>	Scurvy Weed
<i>Cotula australis</i>	Common Cotula
<i>Cymbopogon refractus</i>	Barbed-wire Grass
<i>Cyperus sp.</i>	Sedge
<i>Dianella caerulea var. caerulea</i>	Blue Flax Lily
<i>Dianella revoluta var. revoluta</i>	Mauve Flax Lily
<i>Dichelachne rara</i>	
<i>Dichelachne crinita</i>	Longhair Plume Grass
<i>Dichondra repens</i>	Kidney Weed

Botanical Name	Common Name
<i>Echinopogon caespitosus</i> var. <i>caespitosus</i>	Tufted Hedgehog Grass
<i>Entolasia marginata</i>	Right Angle Grass
<i>Eucalyptus eugenioides</i>	Thin-leaved Stringybark
<i>Eucalyptus longifolia</i>	Woollybutt
<i>Eucalyptus moluccana</i>	Grey Box
<i>Eucalyptus paniculata</i>	Grey Ironbark
<i>Eucalyptus pilularis</i>	Blackbutt
<i>Eucalyptus punctata</i>	Grey Gum
<i>Eucalyptus resinifera</i>	Red Mahogany
<i>Euchiton involucratus</i>	Cudweed
<i>Eustrephus latifolius</i>	Wombat Berry
<i>Glycine microphylla</i>	Glycine
<i>Goodenia ovata</i>	Hop Goodenia
<i>Hakea sericea</i>	Bushy Needlebush
<i>Imperata cylindrica</i>	Blady Grass
<i>Isolepis cernua</i>	Rush
<i>Juncus kraussii</i>	Sea Rush
<i>Juncus usitatus</i>	Common Rush
<i>Leptospermum trinervium</i>	Paperbark Tea-tree
<i>Lobelia alata</i>	Lobelia
<i>Lomandra longifolia</i>	Mat Rush
<i>Maytenus silvestris</i>	Narrow-leaved Orangebark
<i>Melaleuca decora</i>	White Feather
<i>Melaleuca nodosa</i>	Ball Honeymyrtle
<i>Melaleuca styphelioides</i>	Prickly leaf Paperbark
<i>Melaleuca lineariifolia</i>	Snow in Summer
<i>Microlaena stipoides</i>	Weeping Grass
<i>Omalanthus populifolius</i>	Bleeding Heart
<i>Phyllanthus</i> sp.	Phyllanthus
<i>Pittosporum undulatum</i>	Sweet Pittosporum
<i>Pittosporum revolutum</i>	Rough-fruit Pittosporum
<i>Poa affinis</i>	Poa
<i>Polyscias sumbuicifolia</i>	Elderberry Panax
<i>Pomaderris</i> sp.	Pomaderris sp.
<i>Pteris tremula</i>	Tender Brake
<i>Pultanea</i> sp.	Pea
<i>Samolus repens</i>	Creeping Brookweed
<i>Sarcocornia quinqueflora</i>	Samphire
<i>Sporobolus virginicus</i>	Sand Couch
<i>Suaeda australis</i>	Austral Seablite
<i>Tetragonia tetragonioides</i>	Warrigal Greens
<i>Themeda australis</i>	Kangaroo Grass

Botanical Name	Common Name
<i>Triglochin striata</i>	Streaked Arrow Grass
<i>Typha orientalis</i>	Bull Rush
<i>Wilsonia backhousei</i>	Narrow-leaved Wilsonia
<i>Zieria smithii</i>	Sandfly Zieria

## Existing Species List

### Weed species

Botanical Name	Common Name
<i>Acacia podalyriifolia</i>	Qld Silver Wattle
<i>Acacia elata</i>	Mountain Cedar Wattle
<i>Anredera cordifolia</i>	Madeira Vine
<i>Araujia sericifolia</i>	Moth Plant
<i>Asparagus densiflorus</i>	Asparagus
<i>Atriplex prostrata</i>	Orache
<i>Avena fatua</i>	Wild Oats
<i>Bidens pilosa</i>	Farmers Friend
<i>Bromus catharticus</i>	Praire Grass
<i>Cardimine hirsuta</i>	Flickweed
<i>Cardiospermum grandiflorum</i>	Balloon Vine
<i>Chenopodium album</i>	Fat Hen
<i>Conyza</i> sp	Fleabane
<i>Capsella bursa - pastoris</i>	Shepard's purse
<i>Cynodon dactylon</i>	Common Couch
<i>Digitaria sanguinalis</i>	Summer Grass
<i>Erharta erecta</i>	Panic Veldt Grass
<i>Erthynia crista-galli</i>	Cockspur Coral Tree
<i>Euphorbia peplus</i>	Petty Spurge
<i>Facelis retusa</i>	Facelis
<i>Fumaria muralis</i>	Smoke Weed
<i>Galinsoga parviflora</i>	Potato Weed
<i>Hypochaeris radicata</i>	Flatweed
<i>Hypochaeris</i>	Cats Ear
<i>Lolium perenne</i>	Rye Grass
<i>Lotus corniculatus</i>	Bird's-foot Trefoil
<i>Medicago arabica</i>	Spotted Medic
<i>Parietaria jubaica</i>	Asthma Weed
<i>Pennisetum clandestine</i>	Kikuyu
<i>Phytolacca octandra</i>	Inkweed
<i>Poa annua</i>	Winter Grass
<i>Ricinus communis</i>	Castor Oil Plant
<i>Senecio madagascariensis</i>	Fireweed
<i>Senna pendula</i>	Cassia
<i>Sida rhombifolia</i>	Paddy's Lucerne
<i>Solanum nigrum</i>	Blackberry Nightshade
<i>Soliva pterosperma</i>	Bindii
<i>Sonchus oleraceus</i>	Sow Thistle
<i>Sporobolus indicus</i>	Parramatta Grass

Botanical Name	Common Name
Taraxicum officinale	Dandelion
Verbena bonariensis	Purple Top



# Queen Elizabeth Park





## Quarantine Reserve





## Lovedale Place



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