

BUSHCARE SITE ASSESSMENT PLAN

SITE LOCATION: INKERMAN RD BUSHCARE

AIMS

- To enhance the genetic integrity and biodiversity of the bushland
- To reduce weed impacts throughout site
- To create a green corridor
- To establish a sense of place and to engage the community in Bushcare activities.

SITE DESCRIPTION AS AT Feb 2010

General Description

Location: Between Carrington Ave and Inkerman Rd

Aspect: Located on a steep North facing slope

Soil: The soil is mapped as Hawkesbury Soil Landscape. It contains miscellaneous fill locally derived sandstone rubble and sandy clay loam in places.

Catchment: Quakers Hat Bay, Long Bay and Middle Harbour

Vegetation Community: regrowth Sydney sandstone Gully Forest (Flora and Fauna survey 06-07) and Sydney Sandstone Gully Forest.

Canopy species: *Angophora costata*, *Casuarina glauca*

Other: A shallow open drainage swale runs through the reserve and surface runoff is down slope toward Carrington Ave.

Site Management Issues:

- Erosion in disturbed areas
- Weeds invasion into better areas
- Low presence of mid-storey species due to lack of fire

MANAGEMENT PLAN Feb 2010 – Dec 2012

Weed Management

Priority Weeds:

- Morning Glory (*Ipomea indica*)
- Fishbone Fern (*Nephrolepis cordifolia*)
- Trad (*Tradescantia fluminensis*)
- Senna (*Senna pendula*)
- Ochna (*Ochna serrulata*)
- Palm grass (*Setaria palmifolium*)
- Ehrharta (*Ehrharta erecta*)
- Bidens (*Bidens pilosa*)

- Turkey rhubarb (*Acetosa cordifolia*)
- Privet (*Ligustrum sinense*)
- Asparagus (*Asparagus asparagoides*)

	Task	Month	Bushcare Support
2010	Sweep through zone 1	February	Supervisor to undertake spot spray of annuals in zone 1,2 &3
	Continue maintenance sweep in zone 1 and work through zone 2	March	Supervisor to undertake spot spray of annuals in zone 1,2 &3 Supply of plants
	Continue maintenance in zone 1. Thickly plant out area with native ground covers, vines and shrubs.	April	Supply plants
	Continue maintenance in zone 1. Thickly plant out area with native ground covers, vines and shrubs.	May	Supervisor to undertake spot spray where needed.
	Control woody weeds, asparagus fern, and turkey rhubarb throughout site. Maintenance sweep through zone 1 and 2.	June	Supervisor to undertake spot spray where needed.
	Follow –up maintenance sweep zone 1 & 2	July	
	Maintenance zone 1 & 2. Control woody weeds and asparagus fern. Sweep through for annuals.	August	
	Sweep through Zone 1 and 2. Undertake planting	September	Supply plants Supervisor to spot spray.
	Maintenance sweep through zone 1 and 2 – Undertake planting in both areas 1 -2	October	Supply plants

	trays of plants		
	Planting – Zone 1 & Zone 2. Sweep through zone 1 and 2	November	Supervisor to spot spray where needed.
	sweep for weeds Zone 1 & 2	December	
2012	Break	January	
	Maintenance sweep zone 1 and 2	February	Bushcare Support weeds control.
	Undertake maintenance sweep in Zone 1 and 2.	March	Supervisor to spot spray where needed.
	Planting zone 1 and 2 1 -2 trays of plants	April	Supply plants Supervisor to spot spray where needed.
	Planting zone 1 and 2 , 1-2 trays of plants	May	Supply plants Supervisor to spot spray where needed.
	Target weed through zones 1, 2 and 3	June	Supervisor to spot spray where needed.
	Push into zone 3 Continue sweep through zone 1	July	
	Sweep through area 1 and 2	August	
	Planting and Sweep through area 1 and 2	September	Supply plants Supervisor to spot spray where needed.
	Planting Sweep through area 1,2 and 3	October	Supply plants Supervisor to spot spray where needed.
	Planting Sweep through area 1 and 2	November	Supply plants Supervisor to spot spray where needed.
	Continue to control weeds in zones 1, 2 and 3	December	Supervisor to spot spray where needed.

Note: Work plan may change due to seasonal fluctuations and volunteer numbers.

Native Vegetation Management

The General health of the site is expressed in the 06/07 Flora and Fauna survey as 30-70% weed cover. Native vegetation cover is regarded as 30-69%.

Zone 1: (refer to map) this area has a good mix of native ground covers and canopy species. More mid storey species are required in this zone and therefore planting will be required during the autumn and spring months.

Zone 2: This area is located below zone 1 and contains a mix of natives and woody weeds. Woody weeds will require targeting in this zone.

Zone 3: This area is very weed infested and is quite steep in some sections. This area can be worked by focusing on small sections of this zone in stages as time permits.

Tracks and Public Access

- There is stairway access at the eastern end of this site.

Fire Management

- Any burn piles should be reviewed at the beginning of the calendar year to ensure the pile is scheduled for burning.

Major Projects / Tree Works

- Any potential tree removals (hazardous or weed tree removal) are to be addressed with the Bushcare Officer.

