

BUSHCARE SITE ASSESSMENT PLAN

SITE LOCATION: WYARGINE RESERVE BUSHCARE

AIMS

- To enhance the genetic integrity and biodiversity of the bushland
- To reduce weed impacts throughout site
- To create a green corridor habitat for native wildlife
- To encourage the natural regeneration of native plant species in Wyargine Reserve

SITE DESCRIPTION AS AT Dec 2011

General Description

Location: Northern side of 6 Stanton Rd. (along the concrete path leading to the beach)

Aspect: southeast facing

Soil: The soil is mapped as Hawkesbury Soil Landscape and Newport Soil Landscape (Flora and Fauna Survey 2007)

Catchment: Hunters Bay and Middle Harbour

Vegetation Community: Sydney sandstone Gully Forest - Open Woodland structure (Flora and Fauna survey 06-07).

Canopy species: *Angophora costata*, *E.botryoides*, *Banksia intergrifolia* spp *integrifolia*.

Other:

- Three open stormwater drains intersect on the western edge of the reserve.
- One stem of the threatened species *Acacia terminallis* spp *terminalis* was recorded in the Flora and fauna survey in 2007.
- Herbicide can not be sprayed in Wyargine reserve.

Site Management Issues:

- Weeds invasion into better areas
- Low presence of midstorey species due to lack of fire and weed density in some areas
- Weed infiltration from adjoining properties

MANAGEMENT PLAN Dec 2010 – Dec 2011

Weed Management

Priority Weeds:

- Morning Glory (*Ipomea indica*)
- Trad (*Tradescantia fluminensis*)
- Ehrharta (*Ehrharta erecta*)
- Bidens (*Bidens pilosa*)
- Madiera Vine (*Anredera cordifolia*)
- Turkey rhubarb (*Acetosa cordifolia*)
- Asthma Weed (*Parietaria judaica*)

	Month	Task	Bushcare Support
2010	Dec	Push back trad from zone 3 (cover with black plastic)	
2011	January	Closed for January	Work shut down for the month of January. (Resume work in February) Contract support for area above Zone 3 to reduce weed infiltration down slope
	Feburary	Follow – up Target control asthma weed and turkey rhubarb throughout site. Create a boundary around trad infestation using logs found on site and using a silt fence. Place around zone 1 and 3. Continue to reduce Ehrharta and Trad.	Bushcare to trial a natural solution of vinegar and salt as an alternative herbicide spray. Supply sediment fence
	March	Continue sweep through zone 1. Undertake planting ½ tray of plants Mainly shrubs and groundcovers and mulch areas worked Zone 2 – Reduce asthma weed and annuals and mulch some designated areas. Zone 3 – continue to suppress trad, mulch in designated areas and plant out with native tube stock.	Mid March - Mulch delivery for sections of zone 1, 2 and 3.
	April	All Zones continue to weed and push back boundaries.	Contract support for top of zone 3

			and Wyargine beach front
	May	Planting in designated areas of zone 1, 2 &3. Continue maintenance in all areas. Jute matting or mulching in Zone 1 if required.	One roll of jute Matting
	June	Continue Maintenance sweep. Begin to push back Physical weed barrier (sediment fence).	
	July	Continue maintenance in all areas	Contract support - Flame throw in area adjacent Zone3
	August	Continue maintenance in all areas	Bushcare Support – Weed control
	September	Maintenance, Planting in zone 1, 2 & 3. Pruning of track in zone 1	
	October	Planting (continued) sweep for weeds Zone 1 &2	
	November	Continue maintenance sweep in all areas, push back weed barriers.	
	December	Continue maintenance in all areas	Bushcare support in area above zone 3, creekline and along Edwards beach.
	January	Closed for January	
	February	Maintenance – all areas	
	March	Continue maintenance all areas.	
	April	Maintenance and Planting all areas	
	May	Maintenance weeding and planting where required. Group to consider hosting a Bushcare open day and invite residence from the surrounding area.	
	June	Push back weed barrier and continue maintenance all areas	
	July	Continue maintenance all areas	
	August	Continue maintenance all areas. Mulch where required	Supply mulch
	September	Continue maintenance all areas. Undertake planting where required	
	October	Continue maintenance all areas. Undertake planting where required.	
	November	Continue maintenance all areas push back weed barrier to extend areas worked.	Bushcare support above zone 3, creek line and Edwards beach.
	December	Follow-up maintenance all areas.	

Note: Work plan may change due to seasonal fluctuations and volunteer numbers. Contract support work may be subject to change as authorised by the Bushcare Officer.

Native Vegetation Management

The General health of the site is expressed in the 06/07 Flora and Fauna survey as 10-30% weed cover and 30-70% weed cover in the western end of the reserve.

Zone 1 and 2 has been maintained over a long period of time by the bushcare group and zone 3 was the original site of the Wyargine Bushcare Group.

Zone 1: Along the path

This area is located along both sides of the existing concrete pathway which begins from the stairs from Stanton Road leading to the beach at the end of the path. The area has little natural resilience and will require regular follow-up weed removal, replanting with indigenous species and brush matting. The main problem weeds are Trad, Ehrharta, Turkey Rhubarb and Asthma Weed. The area on the Northern side of the path has existing established plantings of native species such as Lomandra and Dianella's. The southern side of the path adjacent No. 6 Stanton Road has a mix of native and exotic landscaping. Some areas will need to be mulched to suppress weeds and a physical weed barrier such as a sediment fence will need to be installed to separate areas worked and areas not treated.

Zone 2: End of Path adjacent beach Front

This area is located along the beach front and behind property at No 6 Stanton Road. The main weed problems are Ehrharta, Asthma weed, Couch and Turkey Rhubarb. The New Zealand Spinach is native to this area and must be retained to assist in suppressing weed growth. As the area contains little natural resilience additional plantings is recommended. Jute matting has worked well in the past to suppress weed growth. Plant guards will be installed along the beach front to prevent people from walking off the track. Consideration may be given to placing a Bushcare sign in this area or at the entrance to the Bushcare site.

Zone 3: Core area (3-4m in from pathway)

This area was the original site of the Wyargine Bushcare group before the group first disbanded. This area is a priority work zone as it contains some resilience and is below an area of high resilience. To assist efforts to regenerate zone 3, the good bushland located above will continue to be maintained through contract bushcare support. Zone 3 contains natural stands of native Omolanthus and Breynia which are colonising species and are a stage of natural succession. This area also contains native grasses and groundcovers including Microleana, Commelina and Plectranthus.

Installation of a physical weed barrier around work zone will assist regeneration efforts. The main weeds found in this work zone include Trad, Ehrharta and Madeira Vine.

The area will require continual follow-up maintenance, some planting and mulching in designated areas.

Tracks and Public Access

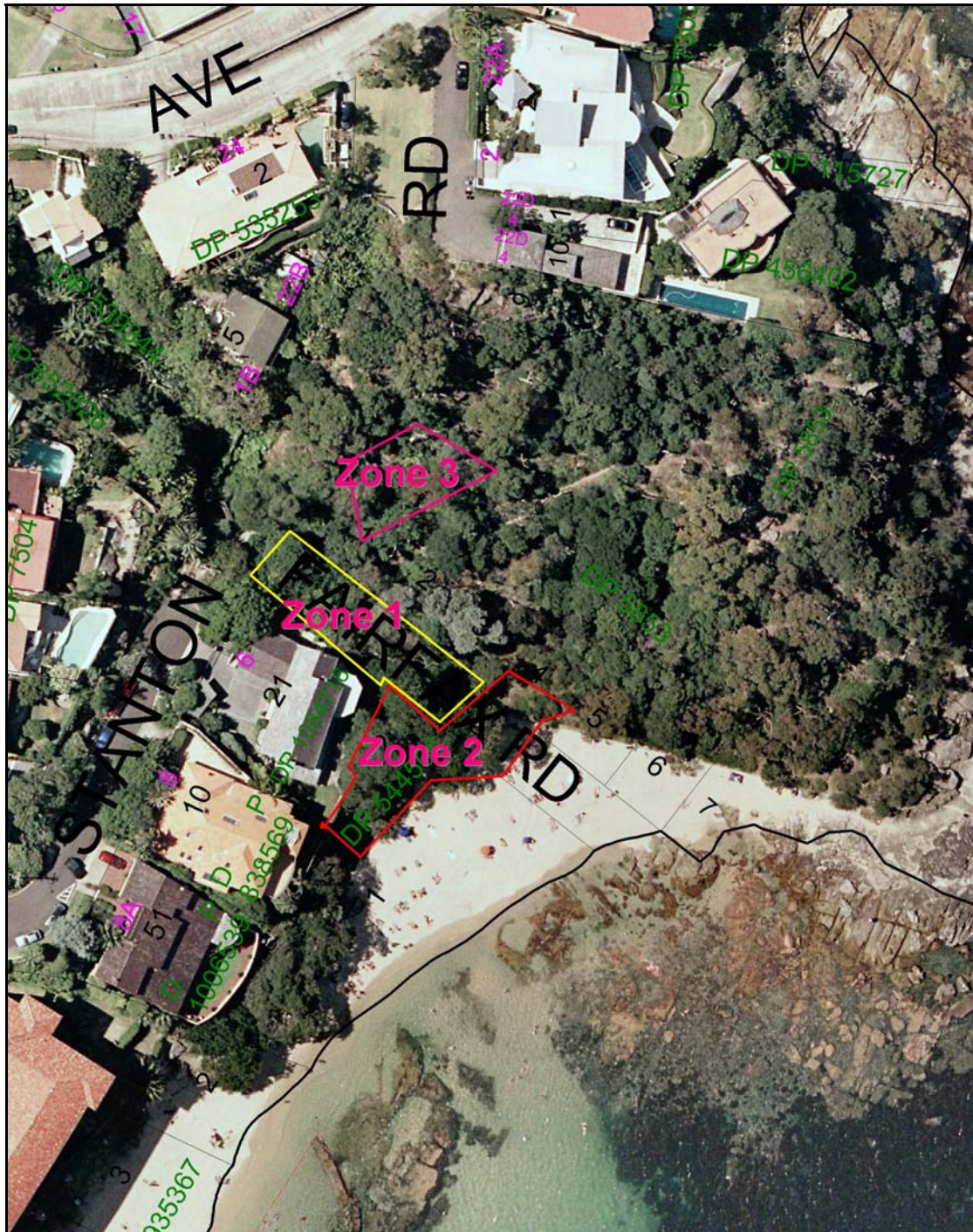
- There are two tracks located on the eastern and western areas Wyargine Reserve. Pruning of the western track may be required from time to time and the location of plantings will need to consider the potential to affect the track in the future. The eastern track is maintained by Council contractors.

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.



SUGGESTED WORK DATES FOR 2011

Month	Date
February	Tuesday 15th
	Thursday 17 th
March	Tuesday 22 nd
	Tuesday 1 st
	Thursday 10 th
	Tuesday 15 th
	Thursday 17 th
	Tuesday 22 nd
April	Thursday 31 st
	Tuesday 5 th
	Tuesday 12 th
	Thursday 14 th
May	Tuesday 19 th
	Tuesday 3 rd
	Tuesday 10 th
	Thursday 12 th
	Thursday 19 th
	Tuesday 24 th
June	Tuesday 31 st
	Tuesday 7 th
	Thursday 9 th
	Thursday 16 th
	Tuesday 21 st
	Tuesday 28 th
July	Tuesday 5 th
	Tuesday 12 th
	Thursday 14 th
	Thursday 21 st
	Tuesday 26 th
August	Tuesday 2 nd
	Tuesday 9 th
	Thursday 11 th
	Thursday 18 th
	Tuesday 23 rd
	Tuesday 30 th
September	Tuesday 6 th
	Thursday 8 th
	Thursday 15 th
	Tuesday 20 th
October	Thursday 29 th
	Tuesday 4 th
	Tuesday 11 th
	Thursday 13 th
	Thursday 20 th
	Tuesday 25 th
November	Tuesday 1 st
	Tuesday 8 th
	Thursday 10 th
	Thursday 17 th
	Tuesday 22 nd
	Tuesday 29 th

December	Tuesday 6 th
	Thursday 8 th
	Thursday 15 th

Note: These dates may be subject to change.