



**Shoalhaven**  
City Council

## SHOALHAVEN BUSHCARE GROUP/SITE PLAN

### CONTACT INFORMATION

<b>Group Name:</b> Bens Walk	
<b>Contact:</b> Marylyn Owen	
<b>Address:</b> 7 Westhaven Avenue, Nowra NSW 2541	
<b>Tel:</b> 4421 8047	<b>Email:</b> tezmazowen@bigpond.com
<b>Reserve Name:</b> Bens Walk	<b>Reserve No:</b>
<b>Land Tenure:</b> Crown and SCC	<b>Comm. Land Type:</b> Natural Area Bushland

### 1. Please provide a brief description of your Group's proposed project

The Bens Walk Bushcare Group plan has the following goals

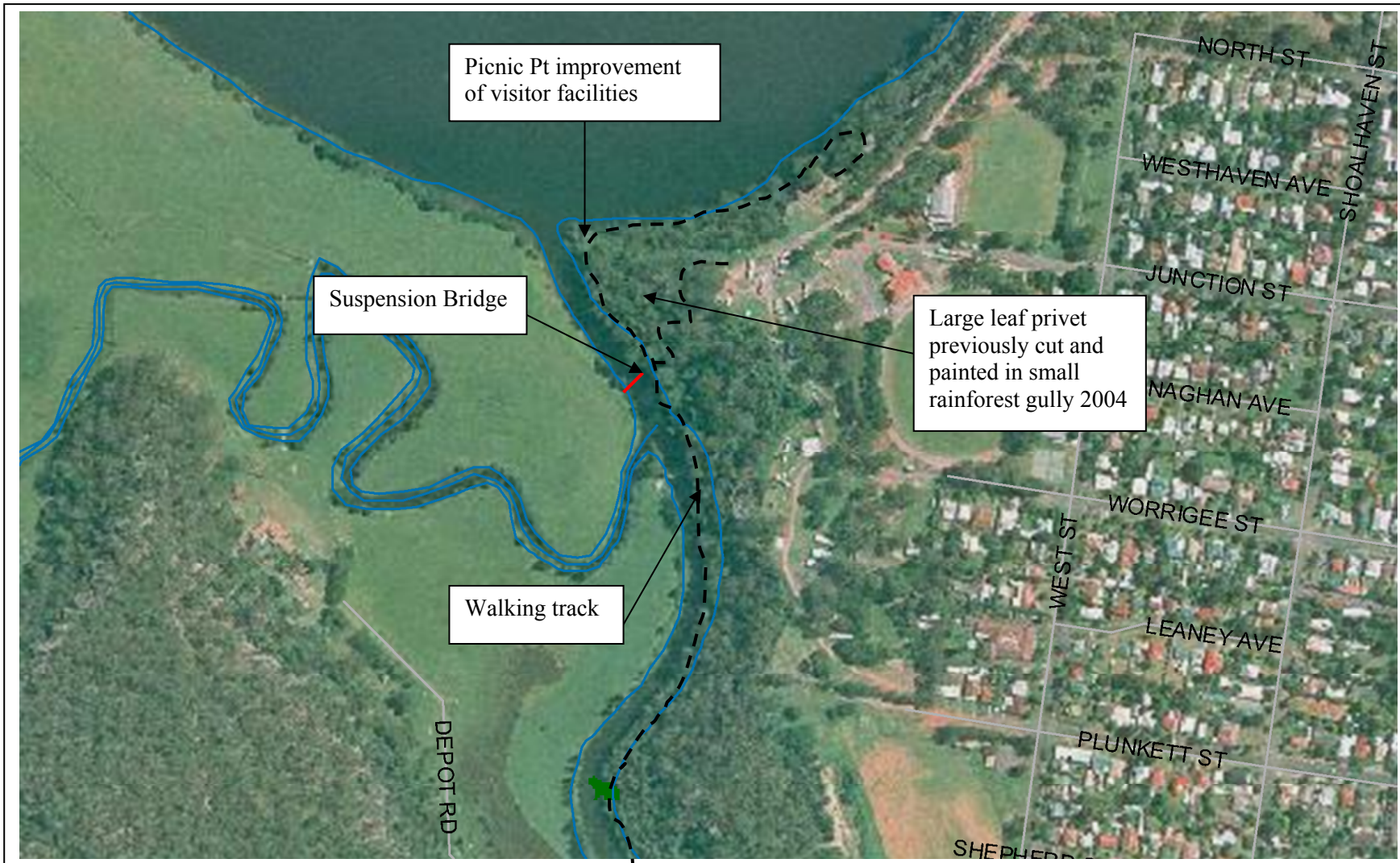
1. To prepare a weed control/regeneration plan that will guide the group activities, with a focus on the protection of native vegetation communities that have high Biodiversity values.
2. Promote and improve the visitor's facilities and enjoyment at Picnic Pt.
3. Promote the Bens Walk Reserve system natural and cultural history within the local area, through education and awareness raising activities such as websites, signage and fact sheets.
4. Use the Groups activities to research weed control techniques.
5. Continue to actively clean up the Bens Walk area through Clean up Australia day events.

### 2. Site Map and Group Activities

Show on the site/mud map what short to long term activities you would like to achieve (choose from activities below or include others to show on your site map with list and descriptions where required)

<b>Bush regeneration/revegetation</b> <ul style="list-style-type: none"><li>• Areas for regeneration, revegetation/planting</li><li>• Areas of weed control (include species and stages of weed control)</li></ul>	<b>Infrastructure</b> <ul style="list-style-type: none"><li>• Walking tracks, paths</li><li>• Fencing, bollards</li><li>• Viewing platform</li><li>• Signage</li></ul>
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3. Map 1 - Bens Walk Bushcare Site Plan – See map 2 & 3 for weed plan (please indicate North and include all existing work done to date)



**4.BENS WALK BUSHCARE GROUP ACTION PLAN (to be included with site map)**

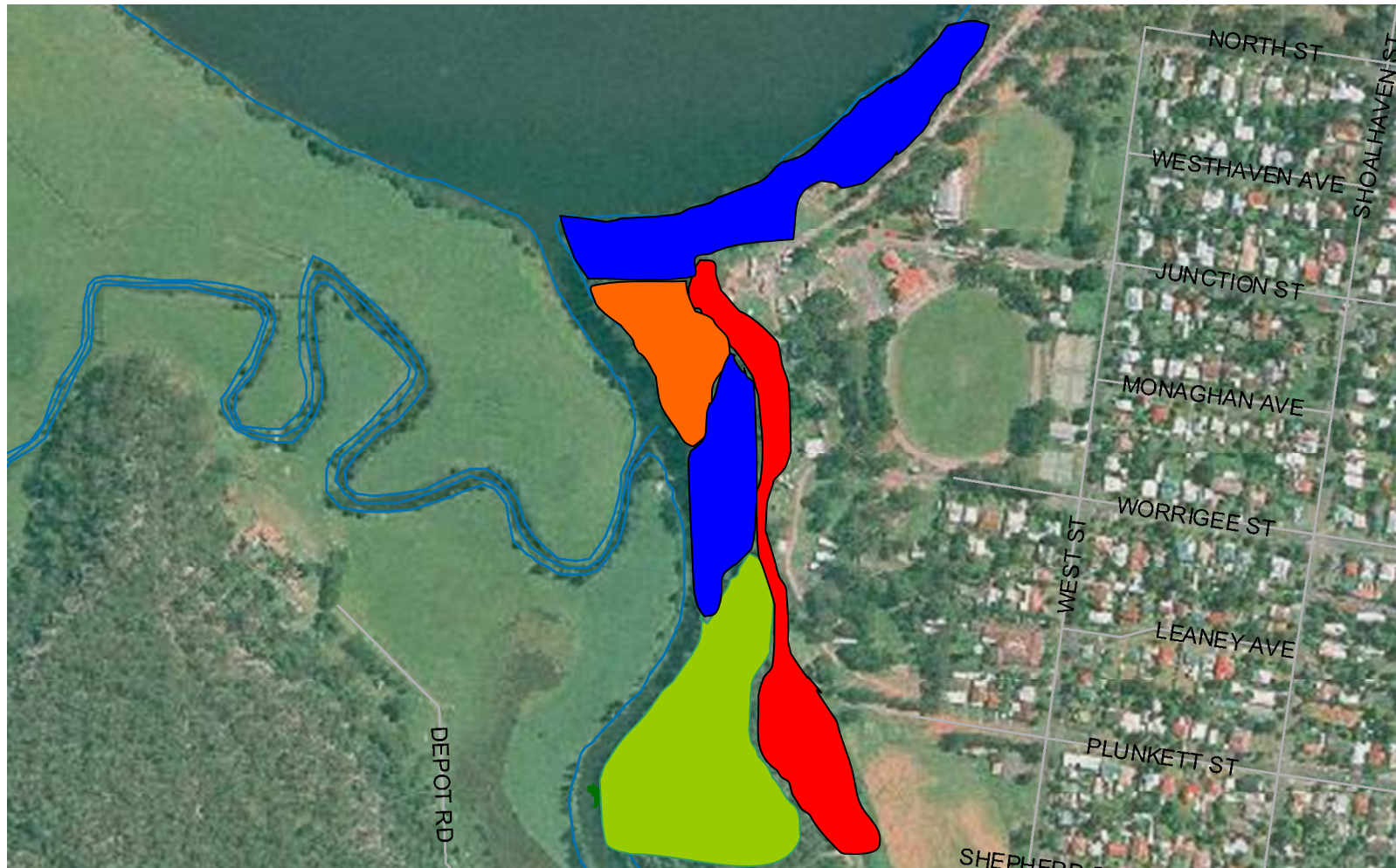
**NOTE: Priority should be rated as H = High (within 12 months); M = Medium (1-3 years); L = Low**

GROUP ACTION (these should relate to your project description)	PRIORITY	METHOD	TIME
1. Preparation of a weed/regeneration d plan that can be used as guide for future regeneration works	H	Bushcare Coordinator to prepare Bushland condition map which will be used to determine future weed control works	Feb 07
3. Improvement of visitor facilities at Picnic Pt <ul style="list-style-type: none"> <li>a. Spray annual weeds such as Paddy's Lucerne</li> <li>b. Mulch boundary areas of cleared area</li> <li>c. Council to slash grass during growing season</li> <li>d. Investigate erosion at junction of Nowra Creek and Shoalhaven River</li> </ul>	L	Group	On going

<p>4. Document Bushcare groups progress via photo points and establishment of a website on Council generic website.</p> <ol style="list-style-type: none"> <li>a. Establish photo points along walk</li> <li>b. Build website</li> <li>c. Collate all historical information on Bens Walk to include on website</li> <li>d. Record and document flora and fauna</li> </ol>	<p>M</p>	<p>Liaise with Council IT technical Officer to establish website and talk with local historical society and local koori reps regarding the documentation of historical information on the walk.</p>	<p>April &amp; On going</p>
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Map2 - Bens Walk Bushland Condition & Weed Map Plan – (See key on next page)



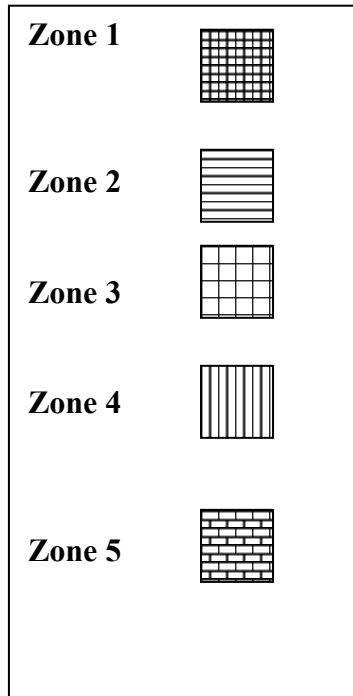
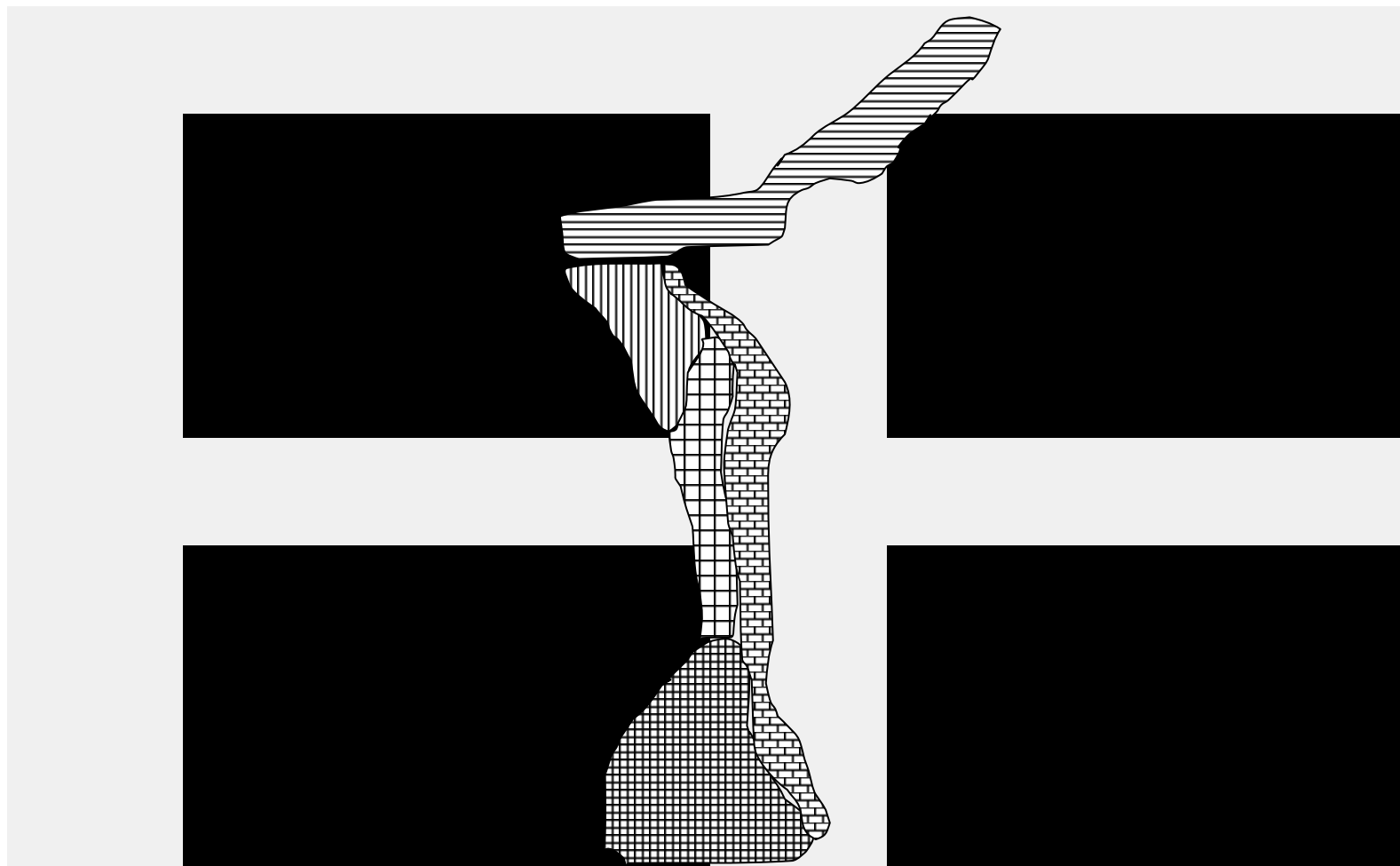
## Bens Walk Condition of Bushland map Key

This mapping system is a quick method of assessment that condenses information to produce 4 zonings of bushland based on the integrity of the native vegetation and whether weeds or natives are the dominant species.

COLOUR CODE	CONDITION OF BUSHLAND	DESCRIPTION	INTERVENTION REQUIRED
Green	Good	Virtually weed free - healthy native community (0-10% weed)	1. Minimal
Blue	Fair	Minor infestation of weeds (10-30% weed)	2. Low
Orange	Poor	<b>Severely infested - regeneration of native species being suppressed</b> (30-70% weed)	3. Medium
Red	Very Poor	Bushland replaced by exotic species OR only mature specimens of highest stratum remain - no seedlings or saplings due to infestation by exotics (70-100% weed)	4. Medium or High

**Map 3 – Weed Strategy Management Zones (Prioritises regeneration activities)**

**Key to mgt zones**



**4.BENS WALK BUSHCARE GROUP WEED STRATEGY ACTION PLAN (to be included with condition of bushland map)**

**NOTE: Priority should be rated as H = High (within 12 months); M = Medium (1-3 years); L = Low**

<b>GROUP ACTION</b> - These management zones are ranked in order priority for works	<b>PRIORITY</b>	<b>METHOD</b>	<b>TIME</b>
<p style="text-align: center;"><b>Zone 1 - Paperbark Forest</b></p> <ol style="list-style-type: none"> <li>1. Crown out all isolated Asparagus fern (<i>Asparagus densiformis</i>) within zone 1.</li> <li>2. Dispose of Asparagus crowns by constructing a raft and laying green on it</li> <li>3. Establish a photo point</li> </ol>	H	1. Crowning	Autumn - Winter 07 & on going
<p style="text-align: center;"><b>Zone 2 - Hole in the wall to Picnic Pt</b></p> <ol style="list-style-type: none"> <li>1. Cut and paint with 50/50 glyphosate any isolated Lantana along walking track</li> <li>2. Leave dead canes to breakdown on site</li> <li>3. Alert Bushcare Coordinator of any growing on steep cliffs or in high risk areas</li> </ol>	H	<ol style="list-style-type: none"> <li>1. Cut and paint</li> <li>2. Hand pull</li> </ol>	On going



<p style="text-align: center;"><b>Zone 4 - Rainforest Gully</b></p> <ol style="list-style-type: none"> <li>1. Hand pull or scrape and paint Moth vine and removal all chocko seedlings from site</li> <li>2. Carefully remove and bag all Madiera Vine plants or seedlings been sure to remove all tubers from site</li> <li>3. Hand pull all small Privet seedlings or cut and paint plants thicker then your thumb, compost on site</li> <li>4. Rake and roll wandering jew and compost in builders black plastic to solarise compost on site</li> <li>5. Crown out all isolated Asparagus fern (<i>Asparagus densiformis</i>) within Zone 4 and remove crown from site in bags or raft</li> <li>6. Spot spray any Turkey Rhubarb with 1"75 ratio of Glyphosate insure follow up spray is done</li> <li>7. Spot spray Cape Ivy with 1:75 Glyphosate and insure follow spray</li> </ol>	<p>H</p>	<ol style="list-style-type: none"> <li>1. Scrape and paint</li> <li>2. Hand pull</li> <li>3. Cut and Paint</li> <li>4. Spot spray with hand held or back pack spray unit at 1:75</li> <li>5. Crowning</li> </ol>	
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<p><b>Zone 3 – Suspension bridge to Paperbark forest</b></p> <ol style="list-style-type: none"> <li>1. Crown out smaller Asparagus fern plants and spot spray larger ones with Metsulfron methyl (Brushoff®)</li> <li>2. Cut and paint Micky Mouse plants (<i>Ochna serrulata</i>) with 50/50 Glyphosate/water</li> <li>3. Cut and paint large Senna plant or hand pull smaller ones</li> <li>4. Rake and roll wandering jew and compost in builders black plastic to solarise</li> <li>5. Crown out all isolated Asparagus fern (<i>Asparagus densiformis</i>) within Zone 4</li> <li>6. Spot spray any Turkey Rhubarb with 1"75 ratio of Glyphosate insure follow up spray is done</li> <li>7. Spot spray Cape Ivy with 1:75 Glyphosate and insure follow spray</li> </ol>	M	<ol style="list-style-type: none"> <li>1. Scrape and paint</li> <li>2. Hand pull</li> <li>3. Cut and Paint</li> <li>4. Spot spray with hand held or back pack spray unit at 1:75</li> <li>5. Crowning</li> </ol>	
<p><b>Zone 5 – Boundary of Showground/West St Oval and Bens Walk Bushland</b></p> <p><b>Note- This zone has large area of exotic species with only the upper most canopy is native plants in tact, there is over 70% . 100% weed cover this site should be the lowest priority and not attempted without adequate resources ie grant funding.</b></p>			

**5. Volunteer activities related to the action: (tick the activities that the group volunteers are likely to be doing as part of the action plan)**

<b>Type of Activity</b>	<b>Yes</b>	<b>No</b>
<b>Manual weed control (cut &amp; paint, scrape and paint etc)</b>	√	
<b>Chemical control (spraying of herbicides)</b>	√	
<b>Planting</b>	√	
<b>Minor construction (walking track, fencing, outdoor furniture)</b>	√	
<b>Propagation &amp; seed collection</b>		
<b>Education (school groups, field days etc)</b>	√	
<b>Other</b>		

**6. Council activities related to the action plan (list the activities/actions council will do).**

- 1. Provide tools and OH&S equipment**
- 2. Provide materials such as mulch, plants, weed bags within budget limits**
- 3. Provide a support worker for 4 hours per month to assist group**
- 4. Public liability and personal accident insurance**
- 5. Assistance with grant funding application and management**
- 6. Assistance with printing and/or graphic design, photocopy**
- 7. IT Website info**

**7. Has a site hazard and risk assessment been completed for the Bushcare site?**

Yes  No

**8. List the Personal Protection Equipment Required for volunteers whilst working on the site**

<b>PPE Equipment Required</b>	<b>Issues</b>	<b>Date</b>
First Aid Kit	Yes	2006
Gloves	Yes	2006
Sunscreen	Yes	2006
Insect repellent	Yes	2006
Covered Shoes	No	
Hat	No	

**9. Possible Future Funding**

<b>Project</b>	<b>Funding source</b>
<b>Eastern Boundary revegetation and contractors to assist group</b>	<b>Federal Govt or NSW Envirotrust</b>

**10. Plan will be reviewed yearly - next review due:**

.....30.... / .....March..... / .....2009.....

**11. The group should review a summary of the Bushcare Policy & Procedures at the annual review**

**12. Please list other local or regional management plans or strategies that this plan relates to**

<b>Name of document</b>	<b>Year it was produced</b>	<b>Produced by</b>
<b>Generic Community Land Plan of Management – Natural Areas</b>	<b>2001</b>	<b>Shoalhaven City Council</b>
<b>Southern Rivers Catchment Management Authority Catchment Action Plan</b>	<b>2003</b>	<b>SRCMA</b>
<b>Shoalhaven River Estuary Management Plan</b>	<b>2008</b>	<b>Shoalhaven City Council</b>

**13. Group support and skill development needs.** This information helps to identify gaps that may exist between what the group require to function effectively and what the group has available. **This focuses on the group, overall, not individual members.**

<i>Tick one box only</i>	We are absolute beginners – don't know a great deal	We know a bit – enough to get by most of the time	We know quite a lot – and we know when to seek help	There's probably not much more we can learn on this	Comments
OH&S – develop and follow risk assessment					
Develop and/ or monitor Action Plan					
Plant identification – indigenous plants					
Weed identification & control methods					
Bush regeneration methods					
Seed collection & propagation					
Group planning and decision making					
Managing neighbour relations					
Community education – schools, neighbours etc					
Volunteer/ group member recruitment					
Preparing grant applications					

List below the 10 most common plants that are indigenous to the area.	List below the 10 most common plants that are <i>not</i> indigenous to the area.



Can all of the group regular volunteers identify these? <b>YES NO</b> circle one	Can all of the group regular volunteers identify these? <b>YES NO</b> circle one

**Bushcare Group Name** ..... **Coordinator Name** ..... **Signature** ..... **Date** .../.../....





**SITE WEED LIST**

<b>Noxious</b>	<b>Other</b>	<b>Control Method</b>
<b>Lantana</b> ( <i>Lantana camara</i> )		Cut and paint with 50/50 roundup/water
<b>Blackberry</b> ( <i>Rubus fruticosus</i> )		Can be scrape and painted on with undiluted roundup for small infestation larger infestation should be treated with a selective herbicide (contact Council)
	<b>Asparagus Fern</b> ( <i>Asparagus densiformis</i> )	Crown out the underground parts of the plant using a boning knife or small saw larger areas can be treated with non selective herbicide such as Glyphosate but a wetting agent must be added. Non selective herbicide may also be used such as Brushoff® best time to treat is in Spring and early summer
	<b>Madeira Vine</b> ( <i>Andredera cordifolia</i> )	Scrape a meter long length of the main stem and apply neat glyphosate, place a large tarp around the base to catch as many of the tubers as possible.
<b>Large Leaf Privet</b>		Cut and paint the stump with

( <i>Ligustrum lucidum</i> )		50/50 Glyphosate/water or hand pull seedling re-growth
	<b>Mickey Mouse Plant (<i>Ochna serralata</i>)</b>	Cut and paint stump with 50/50 Glyphosate/water or hand pull seedling re-growth, be careful as the plant has a large tap root that can easily snap off
	<b>Coastal Morning Glory (<i>Ipomea indica</i>)</b>	Treat small infestation by hand pulling or stem scraping or large areas can be treated with a non selective herbicide
	<b>Wandering Jew (<i>Tradiscania flaminensis</i>)</b>	Large areas can be rolled with a rake and placed in a bag, care must be taken not to leave any nodules behind
	<b>Moth Vine (<i>Araujia sericifera</i>)</b>	Plants can be hand pulled and left on the ground to break down, any of the chocko seedling should be bagged
	<b>Cassia (<i>Senna pendula var glabrata</i>)</b>	Cut and paint stump with 50/50 Glyphosate/water or hand pull seedling re-growth