



## ILLOWRA WETLAND & RAINFOREST (BOLONG RD) BUSHCARE ACTION PLAN

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### CONTACT INFORMATION

<b>Group Name:</b>	Illowra Wetland & Rainforest (Bolong Rd) Bushcare Group		
<b>Contact:</b>	Darryl Roth		
<b>Reserve Name:</b>	Illowra Wetland		
<b>Reserve Number:</b>	NBO116		
<b>Land Tenure:</b>	SCC	<b>Comm. Land Type:</b>	Natural Area -Bushland

### 1. BUSHCARE GROUP GOALS

<p><b>Aim:</b></p> <p>To maintain and restore the biodiversity of the Illowra Wetlands, including maintaining the previous revegetation site surrounding the wetlands.</p> <p><b>Objectives:</b></p> <ol style="list-style-type: none"><li>1. Undertake noxious and environmental weed control as per the Property Vegetation Plan (PVP).</li><li>2. Maintain the existing revegetation sites.</li><li>3. No removal of dead or fallen timber as per the PVP.</li></ol>
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**2. SHOALHAVEN BUSHCARE GROUP ACTIVITIES TABLE (See PVP attached map for details)**  
**NOTE: Priority should be rated as H = High (within 12 months); M = Medium (1-3 years); L = Low**

<b>GROUP ACTION (these should relate to your project description)</b>	<b>PRIORITY</b>	<b>METHOD</b>	<b>TIME</b>
<p>Zone 4n Wetland and Revegetation Area</p> <p>1. Assist Council with the follow control and monitoring of the following weed species:</p> <ul style="list-style-type: none"> <li>i. Acer nugundo (Maple)</li> <li>ii. Lonicera japonica (Japanese Honeysuckle)</li> <li>iii. Tradescantia fluminensis (Trad)</li> <li>iv. Rubus fruticosus (Blackberry)</li> </ul> <p>2. Mowing under existing revegetation areas to maintain walking trails.</p>	H	Hand removal, cut and paint and spot spraying with registered herbicide	On going
<p>Zones 4a, 4i, 4e and 4j Eastern and Northern sections</p> <p>1. Assist Council with follow up control of noxious and environmental weeds of the following weed species:</p> <ul style="list-style-type: none"> <li>i) Ochna serrata (Mickey Mouse Plant)</li> <li>ii) Nephrolepis cordifolia (Fishbone Fern)</li> <li>iii) Tradescantia fluminensis (Trad)</li> <li>iv) Ligustrum sinense (Small Leaf Privet)</li> <li>v) Ligustrum lucidum (Large Leaf Privet)</li> <li>vi) Senna pendula (Cassia/pomea indica (Morning Glory)</li> <li>vii) Pennisetum clandestinum (Kiuuyu)</li> </ul>	H	Hand removal, cut and paint and spot spraying with registered herbicide	On going

<b>GROUP ACTION (these should relate to your project description)</b>	<b>PRIORITY</b>	<b>METHOD</b>	<b>TIME</b>
viii) Crassula sp ix) Lantana camara (Lantana) x) Cinnamomum camphora (Camphor Laurel)  2. Assist Council with revegetation following weed control using species from this plan suggested revegetation list.			

### 3. ILLOWRA WETLAND & RAINFOREST (BOLONG RD) BUSHCARE GROUP ACTION PLAN MAP



#### 4. BUSHCARE GROUP WHS & EQUIPMENT REQUIREMENTS

Type of Activity	Yes	SWMS name included
Manual weed control (cut & paint, scrape and paint etc)	√	SWMSNR040 Weed Control Activities
Chemical control (spraying of herbicides)	√	SWMSNR040 Weed Control Activities
Planting	√	SWMSNR030 Planting, Propagation and Seed Collection
Minor construction (walking track, fencing, outdoor furniture)		
Propagation & seed collection		
Education (school groups, field days etc)		
Other		

#### 5. COUNCIL SUPPORT Technical advice and support

- b. Tools and first Aid kit
- c. Materials/Plants (within limit of budget)
- d. Training support
- e. Assistance with weed control and planting
- f. Provision of a Bushcare signage on site

#### 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	To be issued
Gloves	To be issued
Sunscreen	To be issued
Insect repellent	To be issued

**8. POSSIBLE FUTURE FUNDING**

<b>Project</b>	<b>Funding source</b>
Assistance with regeneration works	Community Action Grants

**9. 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>
Generic Community Land – Plan of Management – Natural Areas	2001	Shoalhaven City Council
Property Vegetation Plan – Bernie Regan Sporting Complex	2009	Southern Rivers Catchment Management Authority
Catchment Action Plan	2005	Southern Rivers Catchment Management Authority

## 10. RECOMMENDED PLANTING/REVEGETATION SPECIES LIST

<b>OVERSTOREY TREES</b>	
<b>Botanical</b>	<b>Common</b>
<i>Acacia binervata</i>	Two Veined Hickory
<i>Acmena smithii</i>	Lilly Pilli
<i>Alphitonia excelsa</i>	Red Ash
<i>Cryptocarya gluacescens</i>	Jackwood
<i>Eucalyptus saligna</i>	Sydney Blue Gum
<i>Ficus rubiginosa</i>	Port Jackson Fig
<i>Glochidion ferdinandi</i>	Cheese Tree
<i>Livistonea australis</i>	Bangalow palm
<i>Melaleuca styphelioides</i>	Prickly Paperbark
<i>Syncarpia glomulifera</i>	Turpentine
<i>Toona ciliata</i>	Red Cedar
<b>SHRUBS</b>	
<b>Botanical</b>	<b>Common</b>
<i>Acacia binervata</i> *	Two Veined Hickory Wattle
<i>Callicoma serratifolia</i> *	Callicoma
<i>Cassine australis</i>	Orange Fruited Olive Plum
<i>Ceratopetalum apetalum</i> *	Coachwood
<i>Clerodendrum tomentosum</i>	Hairy Clerodendrum
<i>Eupomatia laurina</i> *	Bollwarra
<i>Ficus coronata</i>	Sand Paper Fig
<i>Glochidion ferdinandi</i>	Cheese Tree
<i>Melaleuca armillaris</i> *	Paperbark
<i>Persoonia linearis</i>	Geebung
<i>Pittosporum revolutum</i>	Rough Fruited Pittosporum
<i>Podocarpus elatus</i> *	Plum Pine
<i>Polyscias elegans</i> *	Celerywood
<i>Psychotria loniceroides</i> *	Hairy Psychotria
<i>Stenocarpus sinuatus</i> *	Firewheel Tree
<i>Syzigium oleosum</i> *	Blue Lillypilly
<i>Trema aspera</i>	Native Peach
<i>Tristaniopsis laurina</i> *	Water Gum
<b>UNDERSTOREY (grasses, herbs, climbers)</b>	
<b>Botanical</b>	<b>Common</b>
<i>Dianella caerulea</i>	Flax Lily
<i>Kennedia rubicunda</i>	Running Post Man
<i>Lomandra longifolia</i>	Matt Rush
<i>Microlaena stipoides</i>	Weeping Grass

**11. SITE WEED LIST (See attached bush regeneration information sheets for details)**

<b>Noxious</b>	<b>Environmental</b>	<b>Control Method</b>
Lantana camara (Lantana)		Cut and paint larger plants or hand pull smaller plants
Ligustrum lucidum (Broad Leaf Privet)		Cut and paint larger plants or hand pull smaller plants
Ligustrum sinense (Small Leaf Privet)		Cut and paint larger plants or hand pull smaller plants
Rubus fruticosus (Blackberry)		Paint and scrape isolated canes or treat with a selective herbicide for larger infestations
Senecio madagascariensis (Fireweed)		Hand pull small isolated plants and remove from site or spot spray larger infestations with a selective herbicide during winter
	Acetosa saggitata (Turkey Rhubarb)	Spot spray infestations with a non-selective herbicide and remove and bag any ripe seed
	Agapanthus africanus (Agapanthus)	Cut and remove seed heads and hand remove plants
	Anredera cordifolia (Madiera Vine)	Smaller infestations can be dug out by hand and all plant material removed site (including aerial tubers). Larger infestations can be treated by spraying with a selective herbicide but must ensure that follow control is done
	Araujia hortorum (Moth Vine)	Hand pull plants and leave on site. Bag any fruit and remove
	Asparagus aethiopicus (Asparagus Fern)	Dig out underground growing parts (rhizome) and remove from site. Larger infestations can be sprayed with a selective herbicide
	Bidens pilosa (Cobblers Pegs)	Remove seed heads and hand pull isolated plants or spot spray larger infestations with a non selective herbicide
	Cinnamomum camphora (Camphor Laurel)	Cut and paint larger plants or hand pull smaller plants
	Erharta erecta (Erharta grass)	Spot spray infestations with a non-selective herbicide
	Imomea indica (Morning Glory)	Scrape and paint stems and remove all plant biomass from site
	Leonotis leonurus (Lions Tail)	Cut and paint larger plants or hand pull smaller plants
	Lonicera japonica (Japanese)	Spot spray infestations with a non-selective herbicide and remove

	Honeysuckle)	and bag any ripe seed
	Ochna serrulata (Mickey Mouse Plant)	Cut and paint all plants except very small ones
	Onopordum acanthium (Scotch Thistle)	Spot spray infestations with a non-selective herbicide
	Pennisetum clandestinum (Kikuyu)	Spot spray infestations with a non-selective herbicide
	Phytolacca octandra (Ink Weed)	Hand pull plants and remove from site
	Ricinus communis (Castor Oil Plant)	Hand pull small isolated plants and remove from site or spot spray larger infestations with a non selective herbicide
	Senna pendula (Winter Senna)	Cut and paint larger plants or hand pull smaller plants
	Solanum mauritanium (Wild Tobacco)	Cut and paint larger plants or hand pull smaller plants
	Solanum nigrum (Blackberry Nightshade)	Remove seed heads and hand pull isolated plants or spot spray larger infestations with a non selective herbicide
	Thunbergia alata (Black Eyed Susan Vine)	Spot spray infestations with a non-selective herbicide
	Tradescantia fluminescens (Wandering Jew)	Roll and rake smaller infestations and remove all plants material, larger infestations can be treated using a selective herbicide or solarisation by covering with black plastic
	Vinca Major (Blue periwinkle)	Spot spray infestations with a non-selective herbicide + wetting agent

## 12. BUSHCARE SITE SPECIES LIST

<b>OVERSTOREY TREES</b>	
<b>Botanical</b>	<b>Common</b>
<i>Acacia paramattensis</i>	Black Wattle
<i>Acmena smithii</i>	Lilly Pilly
<i>Corymbia maculata</i>	Spotted Gum
<i>Eucalyptus Pilularis</i>	Blackbutt
<i>Eucalyptus robusta</i>	Swamp Mahogany
<i>Ficus rubiginosa</i>	Port Jackson Fig
<i>Glochidion ferdinandi</i>	Cheese Tree

<i>Livistonea australis</i> *	Bangalow Palm
<i>Melaleuca styphelioides</i> *	Prickly Paperbark
<i>Syncarpia glomulifera</i>	Turpentine
<i>Toona ciliata</i> *	Red Cedar
<b>SHRUBS</b>	
<b>Botanical</b>	<b>Common</b>
<i>Acacia binervata</i> *	Two Veined Hickory Wattle
<i>Acacia longifolia</i> *	Coast Wattle
<i>Banksia integrifolia</i> *	Coastal Banksia
<i>Banksia robur</i> *	Swamp Banksia
<i>Breynia oblongifolia</i>	Breynia
<i>Callicoma serratifolia</i> *	Callicoma
<i>Cassine australis</i>	Orange Fruited Olive Plum
<i>Casuarina glauca</i>	Swamp She Oak
<i>Ceratopetalum apetalum</i> *	Coachwood
<i>Clerodendrum tomentosum</i>	Hairy Clerodendrum
<i>Eupomatia laurina</i> *	Bollwarra
<i>Ficus coronata</i>	Sand Paper Fig
<i>Glochidion ferdinandi</i>	Cheese Tree
<i>Melaleuca armillaris</i> *	Paperbark
<i>Notolea longifolia</i>	Mock Olive
<i>Omalanthus popuifolius</i>	Bleeding Heart
<i>Pennantia cunninghamii</i> *	Brown Beech
<i>Persoonia linearis</i>	Geebung
<i>Pittosporum revolutum</i>	Rough Fruited Pittosporum
<i>Pittosporum undulatum</i>	Sweet Pittosporum
<i>Podocarpus elatus</i> *	Plum Pine
<i>Polyscias elegans</i> *	Celerywood
<i>Psychotria loniceroides</i> *	Hairy Psychotria
<i>Stenocarpus sinuatus</i> *	Firewheel Tree
<i>Syzigium oleosum</i> *	Blue Lillypilly
<i>Trema aspera</i>	Native Peach
<i>Tristaniopsis laurina</i> *	Water Gum
<i>Wilkea huegeliana</i> *	Tetra Beech
<b>UNDERSTOREY (grasses, herbs, orchids)</b>	
<b>Botanical</b>	<b>Common</b>
<i>Dianella caerulea</i>	Flax Lily
<i>Entelasia stricta</i>	Right Angled Grass
<i>Gahnia sp</i>	Saw Sedge
<i>Geranium solanderi</i>	Native Geranium
<i>Lomandra longifolia</i>	Matt Rush
<i>Microlaena stipoides</i>	Weeping Grass
<i>Oplismenus imbecillis</i>	Basket Grass
<i>Persicaria sp</i>	Knotweed
<i>Sedge Sp</i>	
<b>UNDERSTOREY (vines &amp; climbers)</b>	
<b>Botanical</b>	<b>Common</b>
<i>Kennedia rubicunda</i>	Running Post Man

<i>Pandorea pandorana</i>	Sweet Native Jasmine
<i>Parsonsia straminea</i>	Silk Pod

**Bushcare Group Name:** .....

**Coordinator Name:**.....

**Signature:** .....

**Date:** ...../.....