

FRIENDS OF JUWIN HEAD GROUP ACTION PLAN

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RESERVE INFORMATION

Reserves:	Watts (Harrington Crescent East) Reserve, part Gannet Beach (foreshore)
Reserve Number(s):	SBP860 (Park), SBP887 (Crown – Natural Area)
Land Tenure:	SCC, Crown (SCC as Trust Manager)
Community Land Type:	Park, Natural Area

1. GROUP GOALS

The goals of the Friends of Juwin Head Group Action Plan are to:

1. To improve the amenity and appearance of the reserve areas on the southern side of Juwin Head.
2. To improve the biodiversity values of this area by protecting and enhancing existing vegetation
3. Continue to foster and promote the area as a valuable community resource and recruit new volunteers to be part of the volunteer group, thereby raising awareness of the impact of weeds on biodiversity in and around Juwin Head.

2. SITE ACHIEVEMENTS TO DATE

Actions	Lessons Learnt
Reduction in the amount of weeds (Boneseed/Bitou Bush, Fireweed, Ground Asparagus, Climbing Groundsel) around Juwin Head.	Constant maintenance is required to stop reinfestation. Condition of the bushland has improved and some native species have had the opportunity to regenerate.
Rabbit control	Rabbit control is essential to not only protect regeneration area plantings and new growth, but also to reduce erosion as a result of burrows, digging and herbivory

3. FRIENDS OF JUWIN HEAD GROUP ACTION PLAN AREA



4. GROUP ACTIVITIES TABLE

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

GROUP ACTION	PRIORITY	METHOD	TIMEFRAME
1. Increase islands of low growing native plantings (<1m) to protect soils, increase biodiversity and improve the overall condition and appeal of the reserve whilst retaining a 10 metre wide mown grass buffer from the southern boundaries of residences on Harrington Crescent.	H	Plant into prepared areas (green areas in Figure 1). Understorey species listed in section 10 or equivalent.	2022 on
2. Use of buffer planting with species such as <i>Lomandra longifolia</i> , <i>Rhagodia candolleana</i> and <i>Dianella caerulea</i> to improve weed control and delineate areas of local native vegetation.	H	Appropriate local native, low-growing plant species to be planted. Council to supply plants of local provenance where possible and group to plant and maintain.	Ongoing
3. Continue to facilitate natural regeneration in the existing vegetated areas (blue areas in Figure 1) using environmentally and culturally sensitive methods that maximise the regeneration potential, with particular focus on areas that show a high diversity of native species and relatively low levels of weed infestation.	H	Hand weed or spray weeds as appropriate. Manual weed control or herbicide use as per product labels or APVMA permits. Where necessary, protect naturally regenerating plants from rabbits with guards and rabbit control.	Ongoing

GROUP ACTION	PRIORITY	METHOD	TIMEFRAME
		Planting within areas already containing mid-storey and overstorey as mapped in Figure 1 will complement existing vegetation heights and will therefore not impact on sea-views.	
4. Record local biodiversity	M	Log information in iNaturalist and other appropriate citizen science apps.	Ongoing
5. Promote Friends of Juwin Head volunteer group	H	Install a volunteer site sign.	2022
6. Undertake rabbit control	H	As per training and Pesticide Control Order, in consultation with Local Land Services. Thorough monitoring to be done prior to control to identify control sites. Post-control monitoring to be done.	ongoing



Figure 1 – Planting areas (green; ground storey plants only) and areas for maintaining and enhancing existing vegetation (blue)

5. WORKPLACE HEALTH AND SAFETY

New volunteers must be inducted in Shoalhaven City Council's corporate induction process and volunteers must comply with the Volunteer Induction Handbook.

Based on the activities included in this action plan, the existing site safety plan including hazard and risk assessment will be updated. Volunteers are to be inducted on this revised risk assessment with the adoption of this plan. The plan is to be revised as need be, for example, upon the identification of a new hazard, or of a new control measure for an existing hazard.

6. COUNCIL SUPPORT

- Supply tools, herbicide, and materials within the constraints of budget
- Training and technical advice
- Administration support

- Assistance with grant applications, administration and management.
- Assistance with events
- Assistance from Council's Bush Regenerator staff as resources allow
- Weed bag and large rubbish removal
- Recognition of the group's involvement in the stewardship of the area under this plan. Council will communicate with the group regarding any planned works.
- Mowing of grassed areas

7. REVIEW

This plan will be reviewed six years from its adoption but can be reviewed sooner if agreed.

8. REGIONAL MANAGEMENT PLANS OR STRATEGIES

Name of document	Year it was produced	Produced by
Coastal Zone Management Plan for the Shoalhaven Coastline	2018	Shoalhaven City Council
Bushcare/Parkcare Policy	2018	Shoalhaven City Council
Local Strategic plan 2016-2021	2016	South East Local Land Services
Generic Community Land Plan of Management – Natural Areas	Revised 2016	Shoalhaven City Council
Foreshore Reserves Policy	2005	Shoalhaven City Council
Generic Community Land – Parks – Plan of Management	2001	Shoalhaven City Council
Bawley Point Gannet Beach Plan of Management	1996	Shoalhaven City Council

9. RECOMMENDED REVEGETATION SPECIES

OVERSTOREY (trees)	
Botanical	Common
<i>Eucalyptus botryoides</i>	Bangalay
<i>Banksia integrifolia</i>	Coastal Banksia
<i>Casuarina glauca</i>	Swamp She Oak
MID-STOREY (small trees, shrubs, etc)	
Botanical	Common
<i>Pittosporum revolutum</i>	Rough Fruit Pittosporum
<i>Acacia longifolia</i>	Golden Wattle
<i>Leucopogon parviflorus</i>	Coastal Beard Heath
<i>Leptospermum laevegatum</i>	Coastal Tea Tree
<i>Homalanthus populifolius</i>	Bleeding Heart
<i>Westringia fruticosa</i>	Coastal Westringia
<i>Breynia oblongifolia</i>	Coffee Bush
<i>Solanum pungetium</i>	Eastern Nightshade
UNDERSTOREY (grasses, herbs, climbers)	
Botanical	Common
<i>Baumea juncea</i>	Grey Twig Rush
<i>Commelina cyanea</i>	Blue Dayflower
<i>Carpobrotus glaucescens</i>	Coastal Pigface
<i>Ficinia nodosa</i>	Knobby Club Rush
<i>Hibbertia scandens</i>	Guinea Flower
<i>Imperata cylindrica</i>	Blady Grass
<i>Lomandra longifolia</i>	Mat Rush
<i>Microlaena stipoides</i>	Weeping Rice grass
<i>Rubus parvifolius</i>	Native Raspberry
<i>Rhagodia candolleana</i>	Seaberry Saltbush
<i>Stephania japonica</i>	Snake Vine
<i>Senecio diaschides</i>	Groundsel
<i>Tetragonia tetragonoides</i>	Native Spinach
<i>Tylophera barbata</i>	Tylophera Vine
<i>Themeda triandra</i>	Kangaroo Grass
<i>Viola hederacea</i>	Native Violet
<i>Zoysia macrantha</i>	Coast Couch

10. SITE WEED LIST

The following weeds have been recorded on the site.

Botanical	Common
<i>Acacia saligna</i>	West Australian Golden Wattle (originally used for stabilisation)
<i>Aloe arborescens</i>	Candelabra aloe
<i>Asparagus aethiopicus</i>	Asparagus fern
<i>Bidens pilosa</i>	Cobblers Pegs
<i>Bryophyllum delagoense</i>	Mother of Millions
<i>Coprosma repens</i>	NZ Mirror Bush
<i>Chrysanthemoides monilifera</i>	Boneseed
<i>Conyza bonariensis</i>	Fleabane
<i>Erharta erecta</i>	Veltgrass
<i>Lilium formosanum</i>	Formosan Lily
<i>Ochna serrulata</i>	Ochna
<i>Osteospermum ecklonis</i>	Sailor Boy Daisy
<i>Onopordum acanthium</i>	Scotch Thistle
<i>Paspalum acanthium</i>	Paspalum
<i>Passiflora spp.</i>	Wild Passionfruit
<i>Phoenix canariensis</i>	Canary Island Palm
<i>Phytolacca octandra</i>	Ink Weed
<i>Physalis angulata</i>	Wild Gooseberry
<i>Senna pendula</i>	Cassia
<i>Senecio angulatus</i>	Climbing Groundsel
<i>Senecio madagascariensis</i>	Fireweed
<i>Solanum nigrum</i>	Blackberry Nightshade
<i>Sonchus oleraceus</i>	Sow Thistle
<i>Stenotaphrum secundatum</i>	Buffalo Grass
<i>Strelitzia nicolai</i>	Bird of Paradise
<i>Sporobolus africanus</i>	Parramatta Grass
<i>Vicia spp.</i>	Vetch
<i>Yucca aloifolia</i>	Coastal Yucca

11. SITE SPECIES LIST

The following endemic species have been recorded on the site.

OVERSTOREY TREES	
Botanical	Common
<i>Eucalyptus botryoides</i>	Bangalay
<i>Banksia integrifolia</i>	Coastal Banksia
<i>Casuarina glauca</i>	Swamp She Oak
SHRUBS	
Botanical	Common
<i>Pittosporum undulatum</i>	Sweet Pittosporum
<i>Pittosporum revolutum</i>	Rough Fruit Pittosporum
<i>Acacia longifolia</i>	Golden Wattle
<i>Leucopogon parviflorus</i>	Coastal Beard Heath
<i>Leptospermum laevegatum</i>	Coastal Tea Tree
<i>Omalanthus popuifolius</i>	Bleeding Heart
<i>Westringia fruticosa</i>	Coastal Westringia
<i>Breynia oblongifolia</i>	Coffee Bush
<i>Solanum pungentium</i>	Eastern Nightshade
UNDERSTOREY (vines & climbers)	
Botanical	Common
<i>Baumea juncea</i>	Grey Twig rush
<i>Commelina cyanea</i>	Blue Dayflower
<i>Carpobrotus glaucescens</i>	Coastal Pigface
<i>Ficinnia nodosa</i>	Knobby Club Rush
<i>Hibbertia scandens</i>	Guinea flower
<i>Imperata cylindrica</i>	Blady Grass
<i>Lomandra longifolia</i>	Mat Rush
<i>Microlaena stipoides</i>	Weeping Rice grass
<i>Rubus parvifolius</i>	Native Raspberry
<i>Rhagodia candolleana</i>	Seaberry Saltbush
<i>Stephania japonica</i>	Snake Vine
<i>Senecio diaschides</i>	Groundsel
<i>Spinifex sericeus</i>	Hairy spinifex
<i>Tetragonia tetragonoides</i>	Native Spinach
<i>Tylophera barbata</i>	Tylophera Vine
<i>Themeda triandra</i>	Kangaroo Grass
<i>Viola hederacea</i>	Native Violet
<i>Zoysia macrantha</i>	Coast Couch