



FISHERMANS PARADISE BUSHCARE GROUP ACTION PLAN

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RESERVE INFORMATION

Reserves:	Lot 5 DP 1031916, Fishermans Paradise Road Reserve Lot 3 and Lot 4 DP 787687, Hazel Rowbotham Reserve Lot 295 DP 26974 and Lot 118 DP 25478.
Reserve Number(s):	Council reserve SFP783.
Land Tenure:	Shoalhaven City Council (SCC), Crown Land with SCC as Trust Manager or with Care, Control and Management (CCM)
Community Land Type:	Natural Area – wetland, Natural Area – foreshore, General Community Use.

1. BUSHCARE GROUP GOALS

The goals of the Fishermans Paradise Bushcare Group Action Plan are to:

1. Continue active restoration and maintenance of native vegetation within the wetland and bushland areas of the Bushcare site, in an environmentally and culturally sensitive manner.
2. Increase native plant population through bush regeneration, planting and maintenance.
3. Work with Council to promote the environmental significance of the reserve and raise awareness of the importance of saltmarsh Threatened Ecological Community (TEC) vegetation and other natural values.

2. SITE ACHIEVEMENTS TO DATE

Actions	Lessons Learnt
In collaboration with NSW Local Land Services and Shoalhaven City Council, the Bushcare group installed coir matting and 'ecologs' mid-2022 to start restoring an area of saltmarsh and wetland in Site 1a (Figure 1)	Saltmarsh species on the site have regenerated quickly through the installation of coir matting.
In collaboration with Local Land Services, the Bushcare group planted saltmarsh species to aid rehabilitation on the spit beside the lagoon.	Bare areas of saltmarsh habitat benefit from plantings.
Since the reformation of the Bushcare group, post the 2019/20 summer bushfires, a small but active group has regularly undertaken weed control activities in the Bushcare site.	Regular weed control is required to reduce the weeds in the Bushcare site.
The Bushcare group have planted native species along the riverbank, focussing on areas where the riverbank is eroding (area 1b, Figure 2).	Planting (particularly sedges, Lomandra and Casuarina) is effective in minimising riverbank erosion and to facilitate regeneration.

3. GROUP ACTION PLAN MAPS



Figure 1. Fishermans Paradise Bushcare Site 1 - wetland rehabilitation and weed control.



Figure 2. Fishermans Paradise Bushcare Site 2 – bush regeneration.

4. BUSHCARE GROUP ACTIVITIES TABLE

H = High (started within 12 months); M = Medium (started 1-3 years); L = Low

GROUP ACTION	PRIORITY	METHOD	TIME
<i>Site 1: Spit to the lagoon and surrounds</i>			
1. Control of environmental weeds throughout the area, thereby fortifying remnant vegetation.	H	Manual weed control or herbicide use as per product labels or Australian Pesticides and Veterinary Medicines Authority (APVMA) permits.	Ongoing
2. Restoration of the saltmarsh areas near the southern end of the spit beside the lagoon (Site 1a) and southern tip of the spit (Site 1b) in collaboration with SCC and Local Land Services.	H	Installation of coir matting and 'ecologs' over bare and eroding areas of saltmarsh habitat.	As required

GROUP ACTION	PRIORITY	METHOD	TIME
Site 2: Central and southern portions of Hazel Rowbotham Reserve			
1. Control Elderberry infestation beside pump station near the bottom end of Fishermans Paradise Road (site 2a) with assistance from Council Bush Regenerator staff.	H	Cut stump and paint, and follow-up spot spray	2024/25
2. Control of environmental weeds throughout the area, thereby fortifying remnant vegetation.	M	Manual weed control or herbicide use as per product labels or APVMA permits.	Ongoing
3. Removal of domestic rubbish, e.g., bottles, cans, plastic, wrappers, etc. to protect the adjoining waterway	M	Collecting and sorting to appropriate recycling bins.	Ongoing
4. Subject to the approval of SCC's asset custodian, increase the area of native vegetation through reducing the area maintained with mowers and identify small 'blocks' as no mow zones (Site 2b).	M	Bushcare Coordinator to liaise with SCC's asset custodian and community to install 'no mow' bollards in selected areas.	2024/25

GROUP ACTION	PRIORITY	METHOD	TIME
<i>Area C: Northern portions of Hazel Rowbotham Reserve</i>			
1. Control of environmental weeds throughout the area, thereby fortifying remnant vegetation.	M	Manual weed control or herbicide use as per product labels or APVMA permits.	Ongoing
2. Removal of domestic rubbish, e.g., bottles, cans, plastic, wrappers, etc. – to protect the adjoining waterway.	M	Collecting and sorting to appropriate recycling bins.	Ongoing
3. Subject to the approval of SCC's asset custodian, increase the area of native vegetation through reducing the area maintained with mowers and identify small 'blocks' as no mow zones (Site 2b).	M	Bushcare Coordinator to liaise with SCC's asset custodian and community to install 'no mow' bollards in selected areas.	Ongoing

GROUP ACTION	PRIORITY	METHOD	TIME
<i>Community Engagement, Citizen Science</i>			
1. Work with SCC and Local Land Services to install environmental education interpretative signage for saltmarsh communities along the informal walking track beside the lagoon.	H	Bushcare Coordinator to liaise Local Land Services and other support agencies.	1 year, if resources available
2. Monitor biodiversity on the site and record wildlife sightings using the iNaturalist App under the 'Budawang Coast Atlas of Life' project.	M	Using the iNaturalist App. and mobile phone.	As opportunities arise.
3. Work with Local Land Services and other agencies to engage with and inform the Fishermans Paradise Community on Bushcare projects.	M	Liaise with SCC Bushcare Coordinator	As opportunities arise.

5. BUSHCARE GROUP WORKPLACE HEALTH AND SAFETY

Shoalhaven City Council must induct new volunteers. Volunteers must comply with the Volunteer Induction Handbook.

Based on the activities included in this action plan, a new site hazard and risk assessment template will be completed by Council. Volunteers are to be inducted on this revised risk assessment with the adoption of this plan. The 'site hazard and risk assessment' is to be revised by volunteers on site, 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.
- Provide weed bags and removal of large amounts of rubbish.

7. POSSIBLE FUTURE FUNDING

The following projects will be considered by Council as funding opportunities become available:

Project
Environmental education interpretative signage for saltmarsh through collaboration with SCC and Local Land Services.
Saltmarsh restoration in collaboration with SCC and Local Land Services.

8. REVIEW

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

10. REGIONAL MANAGEMENT PLANS OR STRATEGIES

Name of document	Year it was produced	Produced by
Bushcare / Parkcare Policy	2022	Shoalhaven City Council
Local Strategic plan 2021-2026	2021	South East Local Land Services
Generic Community Land Plan of Management - Natural Areas	Revised 2016	Shoalhaven City Council
Foreshore Reserves Policy	2022	Shoalhaven City Council
Hazel Rowbotham Reserve – Plan of Management	2002	Shoalhaven City Council

11. RECOMMENDED REVEGETATION SPECIES

Native plant species listed in the tables below are suitable for revegetation if planting is required.

12. BUSHCARE SITE NATIVE SPECIES LIST

The following endemic flora species have been recorded on the site/s:

OVERSTOREY TREES	
Botanical	Common
<i>Eucalyptus botryoides</i>	Bangalay
<i>Eucalyptus paniculata</i>	Grey Ironbark
<i>Eucalyptus pilularis</i>	Blackbutt
<i>Syncarpia glomulifera</i>	Turpentine
<i>Casuarina glauca</i>	Swamp Oak
<i>Angophora floribunda</i>	Rough Barked Apple
<i>Acacia implexa</i>	Hickory Wattle
<i>Acacia mearnsii</i>	Black Wattle
<i>Acacia parramattensis</i>	Sydney Green Wattle
<i>Acacia irrorata</i>	Green Wattle
<i>Acacia mabellae</i>	Mabel's Wattle
<i>Acmena smithii</i>	Lilly Pilly
<i>Exocarpus cupressiformis</i>	Native Cherry
SHRUBS	
Botanical	Common
<i>Acacia longifolia</i>	Sydney Golden Wattle
<i>Notelaea longifolia</i>	Mock Olive
<i>Melaleuca hypericifolia</i>	Red Honey-myrtle

<i>Melaleuca ericifolia</i>	Swamp Paperbark
<i>Melaleuca linarifolia</i>	Flax-leaf Paperbark
<i>Melaleuca armillaris</i>	Bracelet Honey-myrtle
<i>Ozothamnus diosmifolius</i>	Sago Bush
<i>Persoonia linearis</i>	Narrow-leaf Geebung
<i>Podocarpus spinulosus</i>	Plum Pine
<i>Breynia oblongifolia</i>	Coffee Bush
<i>Elaeocarpus reticulatus</i>	Blueberry Ash
<i>Indigofera australis</i>	Austral Indigo
<i>Goodenia ovata</i>	Hop Goodenia
<i>Leptospermum polygalifolium</i>	Lemon-scented Tea tree
<i>Myrsine howittiana</i>	Brush Muttonwood
<i>Pittosporum undulatum</i>	Sweet Pittosporum
<i>Pittosporum revolutum</i>	Roug-fruited Pittosporum
<i>Prostanthera violacea</i>	Violet Mint Bush
<i>Trema aspera</i>	Native Peach
<i>Commersonia fraseri</i>	Brush Kurrajong
<i>Macrozamia communis</i>	Burrawang
<i>Solanum stelligerum</i>	Devil's Needles
<i>Babingtonia virgata</i>	Tall Baeckea
<i>Elaeocarpus reticulatus</i>	Blueberry Ash
<i>Hibbertia aspera</i>	Rough Guinea Flower
UNDERSTOREY (grasses, herbs, orchids)	
Botanical	Common
<i>Microlaena stipoides</i>	Weeping Grass
<i>Eragrostis brownii</i>	Brown's Love Grass
<i>Entolasia stricta</i>	Wiry Panic
<i>Entolasia marginata</i>	Panic Grass
<i>Oplismenus aemulus</i>	Basket Grass
<i>Oplismenus imbecillis</i>	Basket Grass
<i>Lachnagrostis filiformis</i>	Blown Grass
<i>Zoysia macrantha</i>	Coast Couch
<i>Paspalum vaginatum</i>	Saltwater couch
<i>Carex appressa</i>	Tall Sedge
<i>Lomandra longifolia</i>	Spiny-headed Mat Rush
<i>Gahnia sieberiana</i>	Red-fruited Saw Sedge
<i>Imperata cylindrica</i>	Blady Grass
<i>Juncus kraussii</i>	Sea Rush
<i>Juncus usitatus</i>	Common Rush
<i>Baumea juncea</i>	Bare Twig-rush
<i>Phragmites australis</i>	Common Reed
<i>Dianella caerulea</i>	Paroo Lily
<i>Cyperus polystachyos</i>	Bunchy Sedge
<i>Chenopodium glaucum</i>	Glaucous Goosefoot
<i>Apium prostratum</i>	Sea Celery
<i>Suaeda australis</i>	Austral Seablite
<i>Sarcocornia quinqueflora</i>	Beaded Glasswort
<i>Samolus repens</i>	Creeping Brookweed
<i>Cotula coronopifolia</i>	Water Buttons
<i>Atriplex australasica</i>	Native Orache

<i>Isolepis cernua</i>	Nodding Club Sedge
<i>Leptinella longipes</i>	Cotula Longipes
<i>Stelliera radicans</i>	Shiny Swamp Mat
<i>Wilsonia backhousei</i>	Narrow-leaf Wilsonia
<i>Lobelia anceps</i>	Angled Lobelia
<i>Pratia purpurescens</i>	White Root
<i>Alternanthera denticulata</i>	Lesser Joyweed
<i>Persicaria hydropiper</i>	Water Pepper
<i>Epilobium billardieranum</i>	Smooth Willow-herb
<i>Sigesbeckia orientalis</i>	St Paul's Wort
<i>Gonocarpus teucrioides</i>	Rasp Wort
<i>Viola hederacea</i>	Ivy-leaved Violet
<i>Centella asiatica</i>	Swamp Pennywort
<i>Hydrocotyle peduncularis</i>	Pennywort
<i>Dichondra repens</i>	Kidney Weed
<i>Oxalis debilis</i>	Lilac Oxalis
<i>Schelhammera undulata</i>	Tiny Violet
<i>Geranium solanderi</i>	Australian Cranesbill
<i>Pteridium esculentum</i>	Bracken
<i>Calochlaena dubia</i>	Common Ground Bracken
<i>Histiopteris incisa</i>	Bat's-wing Fern
<i>Adiantum aethiopicum</i>	Common Maidenhair Fern
<i>Doodia aspera</i>	Rasp Fern
<i>Rubus parvifolius</i>	Native Raspberry
<i>Wahlenbergia gracilis</i>	Australian Bluebell
UNDERSTOREY (vines & climbers)	
Botanical	Common
<i>Parsonia straminea</i>	Common Silkpod
<i>Kennedia rubicunda</i>	Dusky Coral Pea
<i>Billardiera scandens</i>	Hairy Apple Berry
<i>Pandorea pandorana</i>	Wonga Vine
<i>Stephania japonica</i>	Snake Vine
<i>Smilax glycyphylla</i>	Sweet Sarsaparilla
<i>Cassytha pubescens</i>	Devil's Twine
<i>Glycine tabacina</i>	Love Creeper
<i>Glycine microphylla</i>	Love Creeper
<i>Geitonoplesium cymosum</i>	Scrambling Lily
<i>Eustrephus latifolius</i>	Wombat Berry
<i>Clematis aristata</i>	Traveller's Joy
<i>Hibbertia scandens</i>	Guinea Flower
<i>Desmodium varians</i>	Slender Tick-trefoil

13. BUSHCARE SITE THREATENED ECOLOGICAL COMMUNITY LIST

Threatened Ecological Communities recorded on the site include:

Coastal Saltmarsh is recorded in the southern half of this Bushcare site.

Threatened native fauna species recorded on the site includes:

THREATENED FAUNA LIST	
Scientific	Common
<i>Pteropus poliocephalus</i>	Grey-headed Flying Fox
<i>Haliaeetus leucogaster</i>	White-bellied Sea Eagle

A range of native flora and fauna have been recorded on this site and new records are continually being made using the iNaturalist Budawang Coast Atlas of Life (BCAL). Bushcare volunteers and community members are encouraged to continue to record their flora and fauna sightings on BCAL.

To see an up-to-date record of sightings, register with BCAL and follow the following link: [Budawang Coast Atlas of Life · iNaturalist](#)
Records of other taxa can also be viewed using the BCNM platform.

14. BUSHCARE SITE WEED LIST

The following weeds have been recorded on the sites:

Botanical	Common
<i>Paspalum urvillei</i>	Giant Paspalum, Vasey Grass
<i>Paspalum dilatatum</i>	Dallas Grass
<i>Cenchrus clandestinum</i>	Kikuyu
<i>Andropogon virginicus</i>	Whiskey Grass
<i>Cynodon dactylon</i>	Couch, Bermuda Grass
<i>Sporobolus africanus</i>	Paramatta Grass
<i>Holcus lanatus</i>	Yorkshire Fog
<i>Anthoxanthum odoratum</i>	Sweet Vernal Grass
<i>Stenotaphrum secundatum</i>	Buffalo Grass
<i>Conyza albida</i>	Fleabane
<i>Bidens pilosa</i>	Cobbler's Pegs
<i>Asparagus aethiopicus</i>	Asparagus Fern
<i>Lilium formosanum</i>	Formosan Lily
<i>Aster subulatus</i>	Wild Aster, Bushy Starwort
<i>Senecio madagascariensis</i>	Fireweed
<i>Solanum mauritianum</i>	Wild Tobacco
<i>Nephrolepis cordifolia</i>	Fishbone Fern
<i>Solanum nigrum</i>	Blackberry Nightshade
<i>Rubus fruticosus</i>	Blackberry
<i>Onopordum acanthium</i>	Scotch Thistle
<i>Acetosa sagittata</i>	Turkey Rhubarb, Rambling Dock
<i>Phytolacca octandra</i>	Inkweed
<i>Lonicera japonica</i>	Honeysuckle
<i>Billardiera heterophylla</i>	Bluebell Creeper
<i>Thunbergia alata</i>	Black Eyed Susan
<i>Senna pendula</i>	Cassia
<i>Passiflora subpeltata</i>	White Passion Flower
<i>Passiflora edulis</i>	Passionfruit Common
<i>Sambucus nigra</i>	European Elder, Elderberry

<i>Rumex obtusifolius</i>	Broad-leaf Dock
<i>Hakea salicifolia</i>	Willow-leaf Hakea
<i>Acacia baileyana</i>	Cootamundra Wattle
<i>Verbena incisa</i>	Purpletop
<i>Watsonia meriana</i>	Bulbil Watsonia, Bugle Lily
<i>Crocasmia x crocosmiiflora</i>	Montbretia
<i>Taraxacum officinale</i>	Dandelion
<i>Hypochaeris radicata</i>	Cat's-ears
<i>Ipomea indica</i>	Morning Glory
<i>Senecio angulatus</i>	Climbing Groundsel
<i>Tradescantia albiflora</i>	Wandering Trad
<i>Monstera deliciosa</i>	Monstera, Swiss Cheese Plant
<i>Zantedeschia aethiopicum</i>	Arum or Calla Lily