



COLLINGWOOD BEACH DUNECARE ACTION PLAN

Document Number: D21/47351 **Adopted:** 6 April 2021 **Minute Number:** MIN21.176
File: 26279E **Produced By:** City Development **Review Date:** 6 April 2027

RESERVE INFORMATION

Reserve Number: part Crown Reserve R64234
Land Tenure: Trust Manager: Shoalhaven City Council
Community Land Type: Natural Area

1. GOALS

The goal of the Collingwood Beach Dunecare Action Plan is to undertake on-ground activities that will:

1. Increase the stability and resilience of the dune system to help protect built and natural assets.
2. Maintain a healthy and functioning dune ecosystem that contributes to dune stability; and
3. Maintain the environmental, aesthetic and social values of the foreshore area for the enjoyment of all.
4. Accord with the NSW Manual of Coastal Dune Management and Rehabilitation Techniques; and NSW Coastal Management Act 2016

2. ACTION PLAN ACHIEVEMENTS TO DATE*

Actions	Lessons Learnt
<p>A range of dune rehabilitation has been undertaken since a severe erosion event in 1974. Work has included sand replenishment and planting. This work over a number of decades has resulted in a much more resilient dune system.</p>	<p>Sand nourishment and revegetation has been very successful in re-establishing the dune system, providing protection for the shared pathway and adjacent homes and improving habitat values.</p> <p>As a result of the vegetation establishment, there have been occurrences of illegal vegetation vandalism, presumably as views have been interrupted.</p>
<p>Significant weed control has been done throughout the dune system.</p>	<p>Weed control has been highly successful. In general, there are very few introduced weeds within the dune system. Some significant weeds that were common in 2008 are now rare or absent such as Bitou Bush, Ground Asparagus, Madeira Vine, Climbing groundsel, Japanese Honeysuckle, Cotoneaster, Bamboo, English Ivy, Crassula, etc.</p> <p>Mother-of-millions, turkey rhubarb, buffalo grass and Fleabane continue to be present and other environmental weeds will require ongoing maintenance</p>
<p>Interpretive signs</p>	<p>Signs have been generally well accepted. However, feedback has been received that the sign at Susan Street needs to be reviewed and a more relevant photo included.</p>

* based on actions in 'Vincentia - Collingwood Beach Reserve Bushcare Action Plan – 2008'.

3. COLLINGWOOD BEACH DUNECARE ACTION PLAN AREA



Collingwood Beach Dunecare Action Plan Area (Moona Moona Creek to Susan St)

4. ACTIVITIES TABLE

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

ACTION	PRIORITY	METHOD	TIME
1. Weed control and revegetation of areas that are clear of weeds.	H	<p>Removal of environmental weeds including buffalo grass, fleabane, turkey rhubarb and mothers of millions</p> <p>Manual weed control or herbicide use as per product labels or APVMA permits.</p> <p>Replacement plantings are not to impact on the existing views (i.e. ground cover species such as those listed in Section 10)</p>	Ongoing
2. Maintain areas adjacent to the shared path, east of the fence.	H	<p>Rubbish removed and placed in bins.</p> <p>Dead branches will be broken into smaller pieces and left on the ground or relocated within the dune areas, if practical, or removed.</p>	Ongoing
3. Help maintain beach access ways to the required widths	H	<p>Assist Council with ongoing pruning of overhanging vegetation along the shared path and beach access ways.</p> <p>Plant appropriate species to avoid pedestrian injury, allowing an appropriate distance, dependent on plant species, for plants to grow to full size without impacting on walkers.</p>	Ongoing

ACTION	PRIORITY	METHOD	TIME
4. Help manage vegetation to provide a balance between stability, habitat and amenity	H	In August 2018, a trial commenced to develop a regime to manage vegetation – see the report ‘Collingwood Beach Dune Vegetation Action - Two-Year Trial Plan’. Volunteers will assist with the implementation of the outcomes of this work and the subsequent resolutions (Appendix 1), through actions such as weed control, revegetation with low-growing species, maintenance, removal (where dune health is benefitted, and the action is permitted) and monitoring of vegetation.	2021 on
5. Work with Council to improve signage	M	Include local photos on the sign	2021
6. Support implementation of the Coastal Zone Management Plan and Coastal Management Plan	M	Where required, work under instructions from Council in accordance with the Dune Care Action Plan goals	Ongoing
7. Support remediation of vandalised areas	L	Support Shoalhaven City Council in the remediation of vandalised areas in accordance with the Shoalhaven tree and vegetation vandalism prevention policy.	As needed

ACTION	PRIORITY	METHOD	TIME
8. Monitoring	H	Council and volunteers to establish monitoring of dune health, as resources allow.	2021 on

5. VOLUNTEER 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, a new site hazard and risk assessment will be completed. 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 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 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.

7. POSSIBLE FUTURE FUNDING

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

Project
A bid has been submitted in 2020 under the NSW Government's Coastal and Estuary Grants Program to implement actions developed from the Collingwood Beach Dune Vegetation Two-Year Trial Action Plan.
The Dune Care group and Council will continue to seek grant funding where appropriate.

8. REVIEW

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

9. REGIONAL MANAGEMENT PLANS OR STRATEGIES

Name of document	Year it was produced	Produced by
Final Report Collingwood Beach Dune Vegetation Action - Two-Year Trial Action Plan	2018	Shoalhaven City Council
Foreshore Reserves Policy	2005	Shoalhaven City Council
Coastal Dune Management – A Manual of Coastal Dune Management and Rehabilitation Techniques	2001	NSW Dept of Land and Water Conservation
Shoalhaven Tree and Vegetation Vandalism Prevention Policy	2019	Shoalhaven City Council
Bushcare/Parkcare Policy	2018	Shoalhaven City Council
Coastal Zone Management Plan for the Shoalhaven Coastline	2018	Shoalhaven City Council
Local Strategic Plan 2016-2021	2016	South East Local Land Services
SCC Council resolutions: MIN20.927 (Appendix 1) MIN20.622 MIN20.113 MIN19.501	2020 2019	Shoalhaven City Council

10. SITE WEED LIST

The following weeds have been recorded on the site

Scientific name	Common Name
<i>Acetosa sagittata</i>	Turkey rhubarb
<i>Asparagus aethiopicus</i>	Ground asparagus
<i>Bidens pilosa</i>	Cobbler's pegs
<i>Bryophyllum delagoense</i>	Mother-of-millions
<i>Cirsium vulgare</i>	Spear thistle
<i>Conyza species</i>	Fleabane
<i>Ehrharta erecta</i>	Panic veldtgrass
<i>Eleusine indica</i>	Crow's-foot grass
<i>Euphorbia maculata</i>	Eyebane
<i>Gamochaeta spp</i>	Cudweed
<i>Hypochaeris glabra</i>	Smooth flatweed
<i>Hypochaeris radicata</i>	Catsear/flatweed
<i>Lilium formosanum</i>	Formosan lily
<i>Paspalum urvillei</i>	Vasey grass
<i>Richardia brasiliensis</i>	White eye
<i>Senecio madagascarensis</i>	Fireweed
<i>Sida rhombifolia</i>	Paddy's lucerne
<i>Solanum nigrum</i>	Blackberry nightshade
<i>Sonchus oleraceus</i>	Common sowthistle
<i>Stellaria media</i>	Common chickweed
<i>Stenotaphrum secundatum</i>	Buffalo Grass
<i>Taraxacum officinale</i>	Dandelion

11. REVEGETATION SPECIES

Botanical	Common
<i>Actites megalocarpus</i>	Beach Sow Thistle
<i>Austrofestuca littoralis</i>	Beach Fescue
<i>Billardiera scandens</i>	Apple Berry
<i>Carpobrotus glaucescens</i>	Pigface
<i>Clematis aristata</i>	Old Man's Beard
<i>Correa alba</i>	Coastal correa
<i>Dianella caerulea var. caerulea</i>	Flax Lily
<i>Dianella congesta</i>	Flax Lily
<i>Dianella crinoides</i>	Flax Lily
<i>Dichondra repens</i>	Kidney weed
<i>Ficinia nodosa</i>	Knobby Club Rush
<i>Hardenbergia violaceae</i>	False sasparilla
<i>Imperata cylindrica var. major</i>	Blady grass
<i>Lomandra longifolia</i>	Spiny Mat-rush
<i>Pelargonium australe</i>	Coastal Geranium
<i>Pimelea linifolia</i>	Slender riceflower
<i>Scaevola calendulacae</i>	Beach Fan Flower
<i>Spinifex sericeus</i>	Spinifex
<i>Viola hederacea</i>	Native violet

12. SITE SPECIES LIST

The following species have been recorded on the site:

TREES	
Botanical	Common
<i>Agonis flexuosa</i> *	Western Australian peppermint
<i>Araucaria heterophylla</i> *	Norfolk Island pine
<i>Banksia integrifolia subsp. integrifolia</i>	Coast Banksia
<i>Casuarina glauca</i>	Swamp she-oak
<i>Eucalyptus botryoides</i>	Bangalay, southern mahogany
<i>Melia azederach</i>	White cedar
<i>Pittosporum undulatum</i>	Sweet Pittosporum
SHRUBS	
Botanical	Common
<i>Acacia longifolia var. sophorae</i>	Coast wattle
<i>Breynia oblongifolia</i>	Coffee bush
<i>Correa alba var. alba</i>	White Correa
<i>Leptospermum laevigatum</i>	Coastal tea-tree
<i>Leucopogon parviflorus</i>	Coastal beard heath
<i>Monotoca elliptica</i>	Tree broom heath
<i>Myoporum insulare</i>	Boobiolla
<i>Pelargonium australe</i>	Coastal Geranium
<i>Pimelea linifolia</i>	Slender riceflower
<i>Pittosporum revolutum</i>	Rough-fruit Pittosporum
<i>Rubus parvifolius</i>	Native raspberry
<i>Westringia fruticosa</i>	Native rosemary, coastal rosemary

* not local species

SITE SPECIES LIST (cont.)

UNDERSTOREY (grasses, herbs)	
Botanical	Common
<i>Actites megalocarpus</i>	Dune thistle
<i>Ammophila arenaria</i> *	Marram grass
<i>Austrofestuca littoralis</i>	Beach fescue
<i>Cakile maritima</i> **	Sea rocket
<i>Carpobrotus glaucescens</i>	Coastal pigface
<i>Centalla asiatica</i>	Indian pennywort
<i>Commelina cyanea</i>	Scurvy weed
<i>Crinum pedunculatum</i>	Crinum lily
<i>Cynodon dactylon</i>	Couch, Bermuda grass
<i>Dianella caerulea</i>	Blue flax lily
<i>Dichondra repens</i>	Kidney weed
<i>Ficinia nodosa</i>	Knobby club rush
<i>Hydrocotele bonariensis</i> *	American pennywort
<i>Imperata cylindrica</i>	Blady grass
<i>Lomandra longifolia</i>	Spiny-headed mat-rush
<i>Oxalis rubens</i>	Dune wood-sorrel
<i>Pelargonium australe</i>	Native storksbill, wild geranium
<i>Poa poiformis</i>	Beach Poa
<i>Pteridium esculentum</i>	Bracken
<i>Rhagodia candolleana</i>	Seaberry saltbush
<i>Scaevola calendulacea</i>	Dune fan flower
<i>Senecio minimus</i>	Shrubby fireweed
<i>Spinifex sericea</i>	Spinifex
<i>Sporobolus virginicus</i> var. <i>virginicus</i>	Sand couch
<i>Tetragonia tetragonoides</i>	Warrigal greens
<i>Themeda australis</i>	Kangaroo grass
UNDERSTOREY (vines & climbers)	
Botanical	Common
<i>Billardiera scandens</i>	Apple Berry
<i>Hibbertia scandens</i>	Guinea flower

* : introduced, planted to stabilise dunes, naturalised.

** : introduced but has become naturalised.

APPENDIX 1 Resolutions of Council 15 December 2020

RESOLVED (Clr White / Clr Gash)

MIN20.927

That Council:

1. Support the preparation of the Collingwood Beach Dunecare Action Plan to guide the work of the Collingwood Beach Dunecare Group under Council's Bushcare Program and completed within four months. Such plan to be in accordance with the NSW Coastal Dune Management manual and the NSW Coastal Management Act 2016. This plan will be supported by Council's 2020 Collingwood Beach Coastal and Estuary Grant, should it be successful.
2. Allocate \$37,700 in the 2021/22 budget for Council's contribution for the 2020 Collingwood Beach Coastal and Estuary Grant.
3. Allocate a dedicated annual budget of \$15,000 from 2021/22 onwards to continue to implement Council's Vegetation Prevention Vandalism Policy across the Shoalhaven, noting the type of replacement trees planted in the dune from Susan Street to Albion Street must be on the approved revegetation species list in the Collingwood Beach Dunecare Action Plan.
4. Allocate additional funding for annual maintenance funds from 2021/22 onwards, to prune overhanging vegetation, to allow for at least three maintenance events each year for Collingwood Beach.
5. Undertake an audit of the stormwater outlets, shared pathway and accessways along Collingwood Beach to inform the Coastal Management Program to maintain the resilience of the dune and identify any future maintenance works that are required.
6. Submit a grant immediately under the CZMP funding opportunities for the implementation of the storm water discharge concept proposed by City Services, with the responsibility for all matters relating to the dunes of Collingwood Beach be transferred to City Services.
7. Receive the Final Report – Collingwood Beach Dune Vegetation Action Two Year Trial Plan for information
8. Re-endorse the Council resolution on February 11, 2020 (subject to a Recission Motion Council Meeting February 25, 2020 - defeated), that Council immediately remove all banksia root suckers, seedlings and saplings, and:
 - a. This resolution is to be included in the proposed Collingwood Beach Dune Vegetation Plan with the removal of the new growth banksia to be replaced with species from the list prepared for replanting as undertaken in Trial Site 1 and in accordance with the NSW Coastal Management Act 2016 and the NSW Coastal Dune Management Manual and Council's publicly displayed acknowledgement the houses are built on the hind dune.
 - b. This resolution is to be included in the proposed Collingwood Beach Dune Vegetation Plan with the removal of the new growth banksia to be replaced with species from the list prepared for replanting as undertaken in Trial Site 1 and in accordance with the NSW Coastal Management Act 2016 and the NSW Coastal Dune Management Manual.
9. Tall tree species that potentially endanger people, residences and infrastructure will not be planted particularly in unstable foredune areas.
10. All deadwood will be removed from Collingwood Beach Dune areas.
11. Undertake within the next 3 months further pruning and thinning of Banksia's where thickets occurring from Susan Street to the north to Illfracombe Ave.

FOR: Clr Gash, Clr Wells, Clr White, Clr Alldrick, Clr Guile, Clr Watson, Clr Kitchener and Clr Proudfoot

AGAINST: Clr Findley, Clr Gartner, Clr Digiglio and Clr Levett

CARRIED