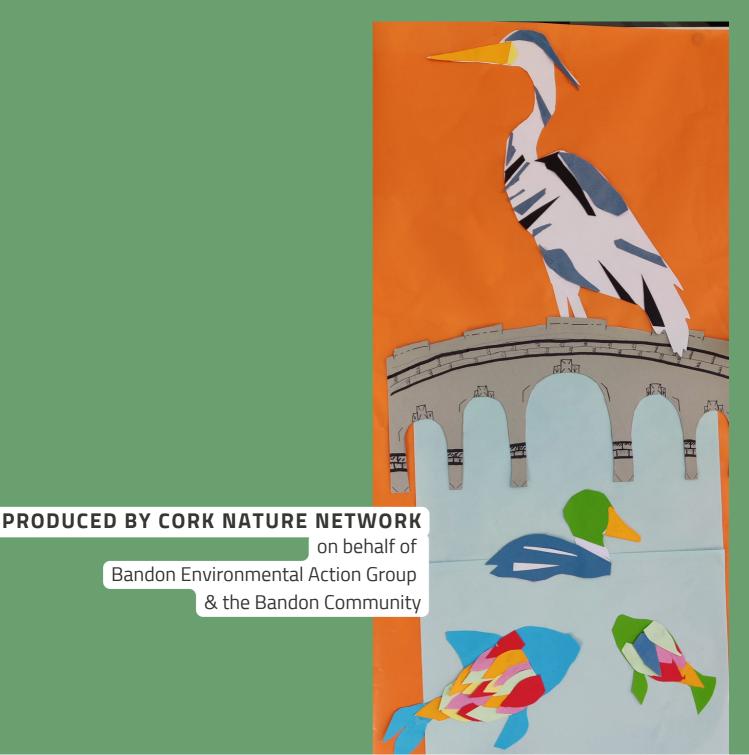
# Bandon Biodiversity Action Plan 2023-2028



## Introduction

The Biodiversity Action Plan for Bandon is a 5 year plan developed by Bandon Environmental Action Group (BEAG), in consultation with the local community of Bandon, to help provide direction and to map interconnections for actions taken by BEAG, the local authority, local businesses and community groups and organisations in the future.

BEAG is rooted in the community and aims to assist in making a positive contribution to its local community on a range of issues that affect the environment.

Cork Nature Network, a non profit organisation, were contracted to carry out the research and facilitate the development of the Local Biodiversity Action Plan for Bandon. The plan has been developed with the support of LEADER funding and the Avondhu Blackwater Partnership.

This action plan aims to ensure that actions for local biodiversity in Bandon are undertaken in the context of an overall framework, with individual actions contributing towards a common set of objectives.

Funded by the Department of Rural and Community Development

Cover Art by:

Hannah O'Sullivan, age 10, 5th class, Presentation Primary School, Bandon

















# About Biodiversity



## Why is Biodiversity Important?

Vital services provided by nature are generally taken for granted. These services include but are not limited to; clean air, fresh water, materials and medicines. These ecosystem services are critically threatened by biodiversity loss, destruction of local habitats and ecosystem deterioration.

#### **Biodiversity and Wellbeing**

The significance of biodiversity to our physical and mental health and wellbeing is increasingly recognised. One of the goals of the Action plan is to reconnect people with nature, by encouraging the local community to become more involved in helping biodiversity thrive in Bandon and to provide opportunities to engage with the natural world regularly.

#### What is Biodiversity?

"Biodiversity" is shorthand for 'biological diversity' which simply means the variety of life on earth. Biodiversity underpins our economy, livelihoods, our health and wellbeing and provides invaluable ecosystem services. It represents the interconnectedness and interdependence of all living things and is essential to the survival of humans on earth.

## Biodiversity Loss & Climate Change

The rate of Biodiversity Loss in Ireland is accelerating at an alarming rate. One third of our 98 wild bee species are close to extinction while 60% of our bird species are now on the red or amber conservation lists. Climate change impacts on biodiversity through interaction with other stressors, like habitat loss, pollution and invasive alien species. The Bandon Biodiversity Action Plan includes measures. from tree planting to rain gardens, that aim to help with mitigation of the effects of climate change on our biodiversity in Bandon

# Biodiversity in Bandon

The Bandon River and valley supports a diversity of habitats and species, many rare and important. Habitats of the valley and floodplains include woodlands, marshes, fens and grasslands while other lowland habitats form the agricultural and urban landscapes that have been shaped by human settlement.

The Bandon river is joined by two tributaries in the town; the Bridewell from the south and the smaller Kilbrogan from the north, and runs eastward towards Inishannon before turning south to join



# Projects in Bandon

BEAG in partnership with the West Cork Branch of Birdwatch Ireland and in collaboration with local businesses installed five swift boxes on or adjacent to McSweeney's Quay in Bandon town in 2021. The boxes are made up of two treble boxes and three doubles. There are plans to include a Swift Caller in 2023



Bandon Playground Group formed in 2017 with the mission of enhancing Bandon by developing a Playground & Green space. A centrally located inclusive community play park, the site design includes biodiversity friendly landscaping and a range of native tree species.

Bandon Grammar School has been developing a Biodiversity Plan for their school grounds, and has carried out tree planting and installed bee houses for solitary bees. St Brogan's and Hamilton High are currently identifying appropriate actions and projects for biodiversity



Bandon Tidy Towns has developed a nature trail to showcase biodiversity in the Bandon River Valley. The trail has informational signs on flora & fauna that can be seen along the route. New tree sculptures added in 2022 include a fox, rabbit, heron, egret, owl, otter, hare, mallard duck and a flower.

In 2021, MSD Brinny formed a Biodiversity Team and became a member of the All-Ireland Pollinator Plan. MSD provided biodiversity expert-led talks for employees. A Biodiversity Opportunity Assessment was carried out. Actions included tree planting and changes to garden management practices to benefit biodiversity.

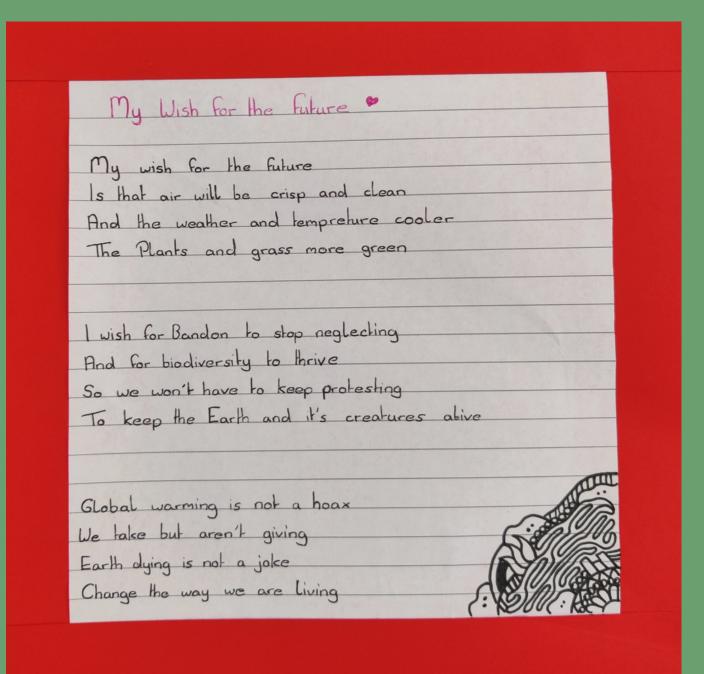
Bandon Co-op signed up to the All Ireland pollinator Plan. Bandon Co-op distribute Spring flowering pollinator friendly species, and Whitethorn and Blackthorn, to milk suppliers through the West Cork Tree Project. They also planted small wildflower meadow areas on site and held a 'No Mow Zone' competition in June and July to raise awareness.

Carbery's Origin Green program identifies biodiversity as a key target area 'No Mow May' introduced in 2021 at their site, expanded in 2022. 'Carbery Trees' distributed 100,000 native trees to farm suppliers in West Cork. They run Beekeeping Workshop, Schools Biodiversity Workshops, and distribute bee friendly plants and wildflower seeds to employees.

## A Vision for Bandon

Bandon is a Biodiversity-friendly town. People benefit from connection with green spaces, and share an awareness of the importance and value of Nature.

This poem written by Bandon Grammar Transition Year Student, Yuna Helder, is a wonderful representation of the shared vision for Bandon



## In Our Nature

#### **Community Consultation**

An open forum community consultation event facilitated by Cork Nature Network, gave members of the local community and groups an opportunity to come together and explore what the Biodiversity Action Plan meant to them and to create a vision for what they would like to see achieved for nature in Bandon.

An online survey was distributed via Bandon Environmental Action Group and Cork Nature Network via social media and email in August 2022. Over 40 responses were received. These were the questions and responses:

#### 1. Does Bandon town and environs have green spaces for nature?

The majority indicated that 'little to a moderate amount of green space for nature' exists in Bandon. 8% of respondents believe there are 'a lot of green spaces', 37% said a 'moderate' amount and 48% said 'little'. Only one respondent felt there is a great deal and only one felt there is none at all.

## 2. What areas in Bandon do you feel are most valuable to nature/biodiversity?

Overall, the rivers and woodlands feature strongly alongside other local sites like Castle Bernard, the Bogs and Quay Road. The responses in full are available in the Final Report from BEAG



**3. How important to you are green spaces for nature and public amenity?** An overwhelming majority, over 92%, of respondents deemed green spaces for nature to be 'extremely important'.

## 4. What do you feel are the greatest threats or challenges to biodiversity in Bandon?

This question elicited a wide range of responses, which were collated to create a word cloud to represent the themes that emerged most often. The bigger and bolder the word appears the more often it was mentioned in response



### 5. Can you identify any actions or sites in Bandon with the potential to improve biodiversity within the town?

Some sample responses listed here, all responses available in Final Report from BEAG.

'The river needs improvement works carried out. More green spaces available to families.'

'The Town Park has a lot of potential. I think education and raising awareness is key. We need more community engagement.'

'The road works on the cork road have new verges that would be perfect for sowing native wildflower seeds instead of grass.'

'Removal of Rhododendron from local woodlands. Leave wild patches in sports grounds.'

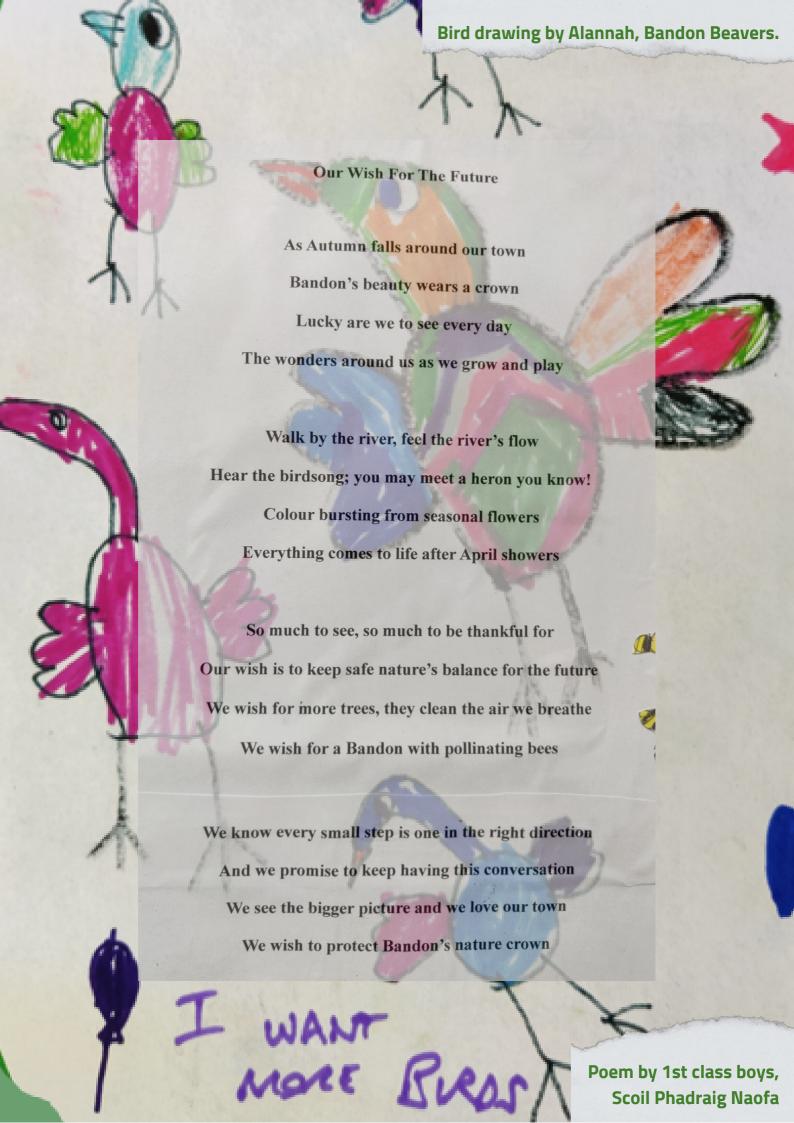
'Be lovely to regreen and plant edges of river to slow it down.'

'Joined up thinking between the council and biodiversity experts.'

'All new developments should have traditional green areas for play but also include biodiversity corridors.'



Drawing by Elisabeth Kopczynski, St Peter's Guides, Bandon



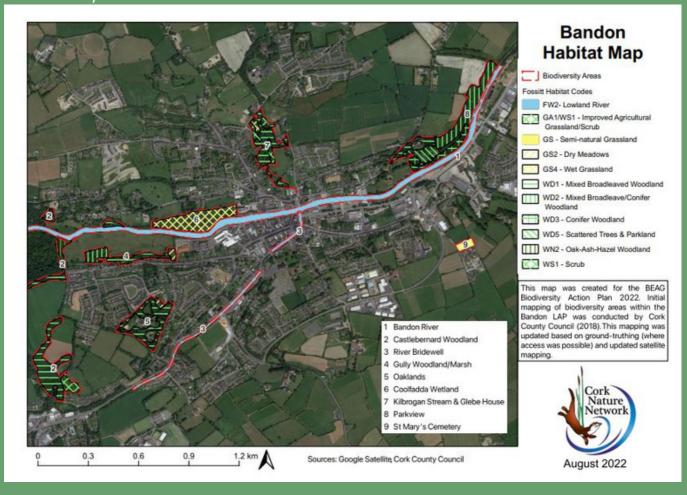
### Habitat Mapping & Ecological Surveys

Between May and July 2022, bird, botany and freshwater ecology surveys were undertaken at targeted sites around Bandon town. Reports provided species list at each site and recommendations for this action plan. The sites surveyed were:

- St Mary's Cemetery, Spring Lane. (15 bird species, 61 plant species)
- River Walkway, adjacent to Caulfield's Shopping Centre. (22 birds, 3 amber and 1 red listed species, 69 plant species).
- Bernard's Bridge, Clonakilty Road. (17 bird species recorded)
- Bandon River and the Bridewell. Dipper, grey heron, brown trout, emperor dragonfly and beautiful demoiselle were observed.

For full ecological reports contact BEAG.

In 2018 Cork County Council commissioned habitat mapping for a number of towns in County Cork to identify biodiversity areas and inform land use decisions. As part of this a report and habitat mapping was carried out in Bandon. For the purposes of this Action Plan the habitat map was updated in 2022 by Cork Nature Network.





# Actions for Habitats

No	Action	Location	Agent	Resources	Year	Additional Info
1	Swift Boxes	MacSwiney Quay	BEAG and Birdwatch West Cork	Birdwatch	Complete	Five swift boxes installed in collaboration with local businesses
2	Swift Caller Installation & monitoring	MacSwiney Quay	BEAG Birdwatch West Cork	BirdWatch https://birdwatchireland.ie/ app/uploads/2019/10/Savi ng-Swifts-Guide_pdf.pdf	Year 2-3	Attraction calls must be played under NPWS licence. If registered with Swift Conservation Ireland they can be covered under their annual licence.
3	Dipper Nest Boxes	Bridewell River	BirdWatch West Cork Bandon Rivers Trust, Schools	Birdwatch  Heritage Council Community Grant	Year 1	Install dipper and/or grey wagtail nesting boxes into box culverts
4	Install Nest boxes	Bernards Bridge	BEAG, Birdwatch, County Council, Schools	Guidance from Birdwatch West Cork	Year 2	Work with local schools to build boxes, installation by Cork County Council
5	Bat Habitat Survey and Improvement	Bandon River and Town	Bandon Guides Kate Mahony	Citizen Science https://birdwatchireland. ie/product/wooden-arun del-bat-box	Year 1	Survey walks with bat detector. Bandon Guides fundraising for Bat boxes
6	Contact HSE re St Mary's Cemetery Site	Community Hospital (Owners of St Mary's Site)	BEAG	Volunteers	Year 1	Contact to offer guidance and assistance with management of St Mary's Cemetery for Wildlife
7	Develop mini management plan for site in agreement with HSE	St Mary's Cemetery, Spring Lane	BEAG provide for use by HSE	Cork Nature Network (See recommendations)	Year 1	Hedgerow management Invasive Species Grass Cutting Minimal management
8	Hedge-planting for habitat improvement *Subject to HSE permission	Existing hedge banks that have degraded at St Mary's Cemetery, Spring Lane	Schools - Education project for Transition Years	Green Economy Foundation  Nikki Keeling  NeighbourWood Scheme	Year 1-5	Hawthom, Blackthorn Elder, Guelder Rose, Spindle, Ash Hedge on northern boundary of site Staged hedge laying in sections
9	Create Pond Habitat *Subject to HSE permission	St Mary's Cemetery	BEAG with HSE	Heritage Council Community Grant	Year 3-5	Creating habitat for aquatic invertebrates and amphibians with food source for birds
10	Prevention of Dumping *Subject to HSE permission	St Mary's Cemetery	BEAG Cork County Council	Signs designed by BEAG and supplied by Cork County Council	Year 1	Remove green waste for composting. Discourage practice with informational signage on risks of invasives
11	Explore potential for an Introduction to Hedge-laying workshop *Subject to HSE permission	St Mary's Cemetery	BEAG with HedgeLaying Association of Ireland	Biodiversity Action Plan Funding	Year 1	One day workshop
12	Management for Riverwalk Habitats providing food & shelter for birds, mammals & invertebrates	Riverside walkway to West of town adjacent to Lidl Carpark	Cork County Council	Cork Nature Network (See recommendations)	Year 1 Ongoing	Allow scrub,refrain from tidying the riverbank. Cut embankment annually in late Autumn to allow north facing bank to continue to diversify - rewilding from amenity grassland
13	Riverwalk Embankment Habitat Diversification of species	Riverwalk Embankment Adjacent to Lidl Carpark	BEAG with Tidy Towns LIDL & Caulfields	National Biodiversity Data Centre Ireland resources	Year 1-2	Top and south face of embankment - scarify earth to encourage diversification. Managed for Wildlife signage
14	Stone Wall Habitats. Allow to thrive and diversify Eliminate use of herbicides. Refrain from weeding	In Bandon town and Environs	Tidy Towns	National Biodiversity Data Centre Ireland No additional resources needed	Ongoing	Walls provide shelter for pollinators, lizards, shrews, field mice, and food for birds. Wall cavities NB for solitary & social bees. Undisturbed habitat for perennial herbs to grow, providing diverse resources for bees to forage on.
15	Leave Standing Dead Wood	Bernards Bridge	Cork County Council	None required	Ongoing	Standing dead wood is an important nesting site for hole-nesting birds. Encourage Great Spotted Woodpecker.  Dead wood in semi-shaded conditions is good for fungi and invertebrates.
16	Evaluate Habitat Improvement/ Biodiversity Enhancement Measures	Sites surveyed by ecologists for Action Plan	BEAG, Tidy Towns and Community	Citizen Science led by ecology experts NPWS Grants for Small Recording Projects	Year 4-5	Refer to baseline surveys and species list and evaluate effectiveness of biodiversity measures to track progress- educational/training events



Actions for Pollinators

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	No.	Action	Location	Agent	Resources	Year	Additional Info
	17	Local Authority developing Pollinator Friendly Management Practices with Council ecologist Bandon Pollinator Plan	Bandon town and Hinterland	Cork County Council With Ecologist	Municipal District working with Cork County Council Heritage Office Ecology team	Ongoing	Bandon council exploring potential for Pollinator Plan for Bandon town and environs and seeking out best practice examples
7	18	Biannual Meetings	Council offices	Cork County Council BEAG	Council engineers BEAG team members	Ongoing	Meetings with Council and BEAG to discuss progress of Actions
	19	Mowing for Long Flowering Wildflower Meadows to provide food and shelter for pollinators	Roadside verges as identified by Municipal District Office	Cork County Council	Heritage Office CCC Ecology team National Biodiversity Data Centre	Annual	Long flowering Meadows 1st cut April 2nd cut September Remove cuttings
	20	Short flowering meadows to provide food for pollinators & allow natural regeneration from native seedbank	Locations where 6-8 week cuts are suitable identified by Council	N71 Contractors and Municipal District Office	Heritage Office CCC Ecology team National Biodiversity Data Centre Resources	Ongoing	6-8 Week cut where appropriate 1st cut late April 2nd end of May 3rd mid to late July 4th end of August 5th after mid October
	21	No Mow May in public land management	Roadside verges & green spaces	Cork County Council	Heritage Office CCC Ecology team National Biodiversity Data Centre	Ongoing	Practise No Mow May to allow for early foods for pollinators.  Signage to educate
	22	Plant pollinator friendly trees and shrubs	In green public spaces maintained by Tidy Towns	Tidy Towns and BEAG	Pollinators.ie	Year 1-5	Grey/Goat Willow, Blackthorn, Whitethorn, Rowan, Crab apple or Wild Cherry - provide food for pollinators.
	23	Plant bulbs for pollinators	Incorporate pollinator friendly bulbs in planting schemes	Tidy Towns and BEAG	Heritage Council Community Grant Advice from Heritage Office Ecology team		E.g. Snowdrop, Crocus, Muscari, Allium etc
THE REAL PROPERTY.	24	Plant perennial flowers for pollinators	Flower beds and green spaces maintained by Tidy Towns	Tidy Towns and BEAG	Heritage Council Community Grant Advice from Heritage Office Ecology team		Low maintenance; Spring flowering Helleborus Comfrey Pulmonaria Catmint Heathers Early Summer Calamint Comfrey Wallflower Thyme Oregano Late Summer Salvia Aster Lavender
	25	Native Wildflower Planting Scheme Playground	New Playground Site	Landscape Designer	https://www.foxgard ens.com/		Area separating playground from the Mart. List of all species in appendix
	26	Expand Wildflower Meadow and establish herb garden	Bandon Allotments	Bandon Allotments	Funding	Year 1	Plan to extend area of native wildflower in 2023 and create a pollinator friendly herb garden
The same of	27	Provide habitat for above ground cavity nesting solitary bees.	School grounds, St Mary's Cemetery, Bernard Bridge	BEAG, Local Schools	For information on making bee boxes: https://biediversityirelan.diie/app/uploads/2022/ID &/ActionSheet_Solitary-Bees-WEB-2.pdf	Year 3	We have 15 species of these bees. Ensure there are flowers to forage nearby the chosen locations for boxes
The state of the s	28	Provide habitat for ground-nesting solitary bees	Locations identified at action sites in plan.	BEAG			We have 64 species of mining solitary bees A well-drained sunny south or west facing bank, Ensure flowers nearby. Along hedgerows & field boundaries

Poster by Mariana, 5th class, Presentation Primary Girls School



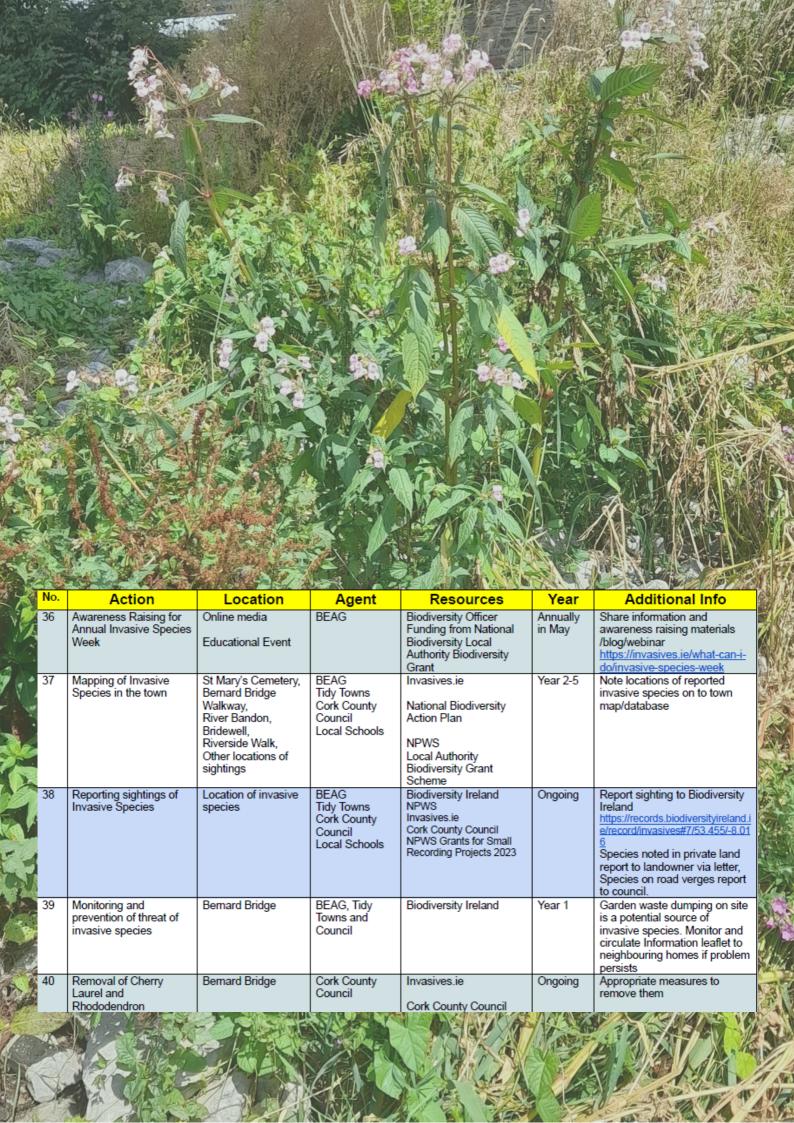
# Actions for Trees



	NO	Action	Location	Agent	Resources	Year	Additional Info
	29	Tree Planting	Along Bandon river by Skatepark & Bypass	BEAG	Volunteers	Complete	2000+ native trees planted
	30	Continued Management of Trees planted	As above	BEAG	Volunteers	Year 1-5	Monitor health and spacing of trees planted in 2021 on ongoing basis
	31	Community Orchard/ Native Forest Garden	Hill Terrace Green	BEAG in consult with residents	Trees on the Land Scheme 2023-24 Apply by Oct 2022	Year 2-3	Oak birch hazel alder rowan hawthorn Crabapple wild cherry spindle guelder rose & heritage apple trees
とは日本	32	Woodland planting scheme	New Playground Site	Playground Group	Neighbourwood Scheme Trees on the Land	Year 1	12 Silver Birch, 6 Sessile Oak, 6 Crab apple, 11 Elder, 10 Strawberry tree, 6 Wild Cherry and 9 Goat/Pussy Willow
	33	Bandon Public Realm Tree Planting	Bandon Town and Environs Landscaping	Cork County Council Bandon TPREP	Cork County Council		Incorporating native tree species in new landscaping schemes wherever possible.
	34	Natural Regeneration of Woodland	Council owned 0.8 acre site at Casement Rd	Cork County Council	None needed	Ongoing	Allowing site to rewild
	35	Tree Nursery for distribution of trees	Bandon Allotment Site	Bandon Allotments Group	NeighbourWood Scheme Trees on the Land Biodiversity Action Plan Fund	Year 1-5	Grow native fruit trees & soft fruit to make available free/nominal
	36	Tree planting once invasive cherry laurel and rhododendron removed	Bernard Bridge Site	BEAG with County Council	Trees on the Land	Year 3-4	Opportunities to plant native species into site once invasives have been cleared

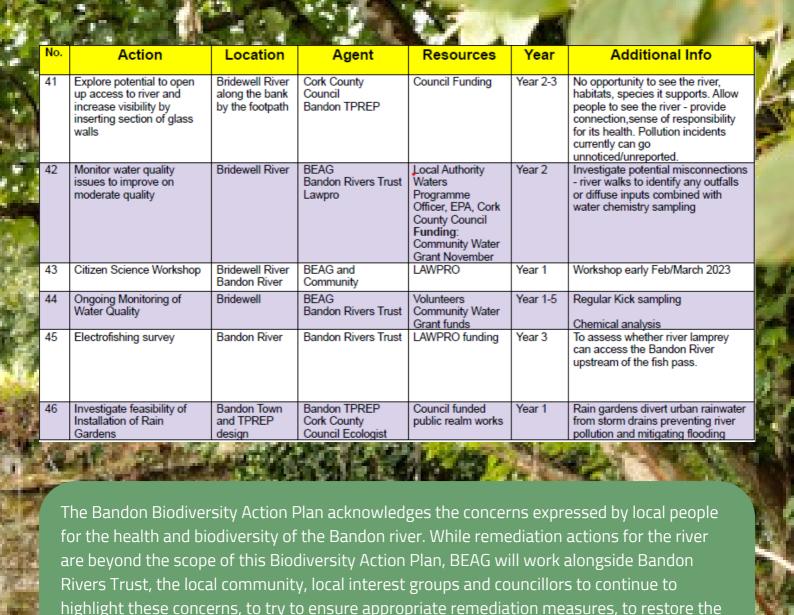


Invasive Species





# Actions for Water







No.	Action	Location	Agent	Resources	Year	Additional Info
47	Wildlife Interpretative Signs	St Mary's Cemetery	BEAG	Council Heritage Office Heritage Council Community Grant	Year 1	Interpretative signage highlighting flora & fauna.  Managed for nature signage
48	Wildlife Interpretative Signs	River walkway adjacent to Riverview S.C.	BEAG with Cork County Council	As above	Year 2	Interpretative signage highlighting flora & fauna. Managed for nature signage
49	Botany Education Walk	Riverside Walk at Riverview SC	BEAG with Cork Nature Network Jo Goodyear	Cork Nature Network	Complete	Plant walk in May 2022 to promote awareness of biodiversity in the area
50	Bird Walk	Quay Road	BEAG with CNN	Cork Nature Network	Complete	Guided bird identification walk in June 2022
51	Educational Wildlife Photography Exhibition	Bandon vacant shop fronts	Tidy Towns			Vacant shop fronts show local wildlife photos
52	Borrow, Grow, Return Seed Library	Bandon Library	Cork County Council Library Service	Library Staff. Seed donations from local allotments, library patrons.	Year 1	Donate from September 2023 Borrow in Spring
53	Mapping of Wildlife Corridors	Bandon town and Environs	BEAG with Schools Transition Year Project	Funding Community Biodiversity Grant	Year 2-5	Educational/citizen science - students facilitated to map Wildlife habitats & corridors in the vicinity of their schools
54	Annual Awareness Raising Event	Bandon town and Environs	BEAG	Biodiversity Action Plan Funding	Annual	Like the popular dawn chorus walk
54	Relationship Building for resilience	Bandon Town and Environs	BEAG Local Community Schools Sporting		Year 1 -5	Continue to nurture and build on collaborative connections with schools, sports clubs, groups etc seeded through the development of the Action Plan in 2022
55	Review Bandon Biodiversity Action Plan	Not Applicable	Action Plan Steering Committee	Meeting venue Admin	Year 3	Carry out a review of the plan and actions carried out to date.



#### **Next Steps**

Members of the steering committee for the Bandon Biodiversity Action Plan will reconvene annually to review progress on the Biodiversity Action Plan and to assess the success of actions undertaken.

Cork County Council Bandon Office to meet annually with Bandon Environmental Action Group to review actions agreed and explore potential for continued collaboration.

Bandon Environmental Action Group will update the Bandon community on the progress of actions as they are completed.

For the full report on the Biodiversity Action Plan, including ecological reports, please contact bandon.beag@gmail.com.

Cork County Council ecologist Tony Nagle to deliver training to BEAG and Bandon Tidy Towns on pollinator friendly planting in 2023.

BEAG to apply to the Local Biodiversity Action Fund for 2023. The funding supports locally-led projects that align with actions under the National Biodiversity Action Plan.

BEAG to explore the potential for human resources to oversee the management of the Biodiversity Action Plan for Bandon.

BEAG is committed to continue building upon the many collaborative relationships, with local schools, sporting organisations and community groups, that have been seeded through the process of developing this action plan.

# Acknowledgements

Sincere thanks to the people of Bandon, of all ages, for helping to create a vision of a healthy and biodiverse Bandon, through participating in openforum discussions, attending educational walks, completing online surveys, creating Art, submitting poetry and photographs and sharing their hopes for the future.

To the Bandon Biodiversity Action Plan steering committee, comprising representatives from Bandon Environmental Action Group, Tidy Towns, BirdWatch West Cork, Bandon Rivers Trust, Bandon Allotments, Bandon Playground Group, St Peter's Guides, local schools and individuals for their guidance and direction in developing this plan. Special appreciation for Fiona O'Neill's contribution and expertise.

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To Avondhu Blackwater Partnership and LEADER for funding the Bandon Biodiversity Action Plan.

A very special thanks to the children and young people of Bandon for demonstrating so creatively their hopes and visions for the future.



Kevin O'Leary Group









