BULIMBA CREEK CATCHMENT
COORDINATING COMMITTEE

ENVIRONMENTAL SERVICES UNIT

Providing Specialised Ecological Services

BULIMBA CREEK CATCHMENT COORDINATING COMMITTEE

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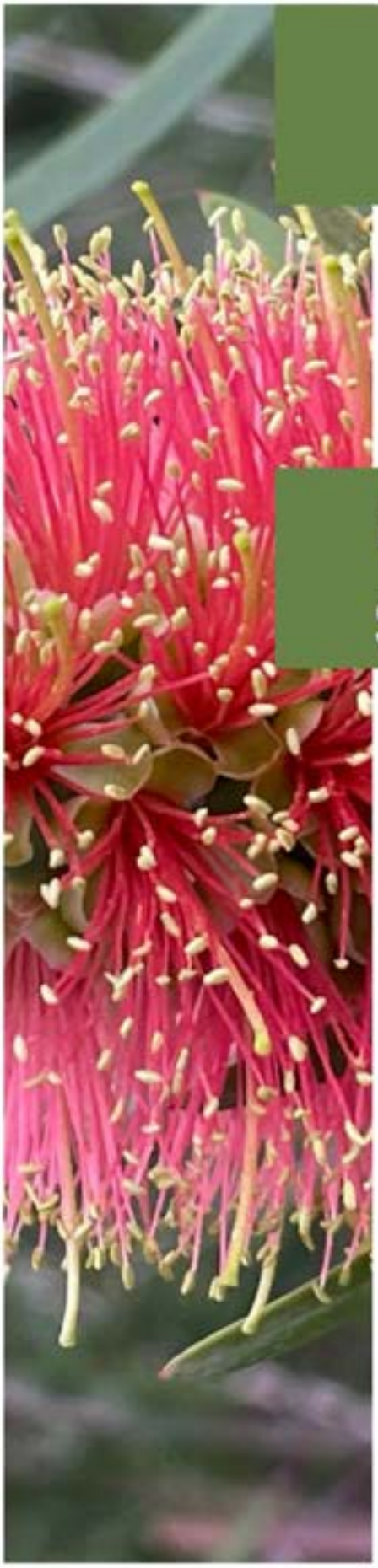

ABOUT B4C

Bulimba Creek Catchment Coordinating Committee Inc. (B4C) is a leading catchment and Landcare group, established in 1997, dedicated to the preservation and restoration of natural ecosystems. At the forefront of our success is the exceptional work of B4C's Environmental Services Unit.

ENVIRONMENTAL SERVICES UNIT

B4C's Environmental Services Unit is a team of accredited and experienced vegetation rehabilitators who provide sensitive and high-quality ecological rehabilitation. Our main goals are to improve ecological corridors while enhancing public and landscape amenity. Our methodologies are empirically validated and grounded in scientific principles, guaranteeing optimal ecological results.

As a key point of difference, B4C's Environmental Services Unit operates as a social enterprise, reinvesting the majority of our profits into supporting the environment and the community. Through various initiatives, we actively engage with the community, focusing on education, school projects, supporting bush care groups, and creating opportunities for volunteers and corporate groups to participate in tree planting, weeding, and other work to improve waterways and bushlands.

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OUR SERVICES

B4C's Environmental Services Unit is committed to ecologically sound approaches that prioritise sustainability and ecosystem integrity. Through our diverse range of services, we contribute to the restoration and conservation within Bulimba Creek Catchment and beyond.

Our services include:

- Protecting, enhancing, and maintaining ecological corridors to conserve biodiversity and facilitate ecosystem connectivity.
- Landscaping and revegetating with native flora to enhance and promote ecological balance.
- Collaborating with developments to preserve natural bushlands, waterways, wetlands, and open spaces.
- Restoring degraded and disturbed areas.
- Assisting developments in meeting compensation and offset provisions for environmental impacts, including major infrastructure projects.
- Rehabilitating coastal ecosystems such as mangroves, saltmarshes, and littoral forests to restore their ecological functions and promote resilience.
- Installing and monitoring nest boxes to support wildlife habitat preservation and enhance biodiversity.

Revegetation and Habitat Rehabilitation

Our experienced team specialises in rehabilitating native vegetation in various environments such as bushlands, natural parklands, recreational reserves, waterways, wetlands, riparian zones, and private properties. We employ effective planting methods, carefully selected species, and optimal watering regimes to promote plant survival. Additionally, our incorporation of microbiology during planting and maintenance supports the overall health and growth of flora. By installing nest boxes, we also enhance wildlife habitats, providing additional support for various species.

Weed Control

Our expert team employs a variety of techniques to address weed infestation challenges while minimising harm to vegetation, waterways, and fauna. These techniques include manual removal, mechanical control, and chemical control. Despite being time-consuming and labor-intensive, manual removal is ideal for sensitive areas, providing long-term results. Mechanical control utilises machinery to clear and control weeds, particularly fast-growing species. It can be combined with chemical control to reduce herbicide usage and associated risks. Chemical control offers a time and cost-effective solution, with various herbicide application methods available. Our licensed field crew ensures the effective elimination of even the toughest weeds. We recommend combining revegetation efforts with weed control for ongoing management solutions. By planting native species that suppress and outcompete weeds, we reduce the future need for extensive control.

Wetland Rehabilitation

Leveraging over 25 years of experience and innovative practices, B4C offers a comprehensive range of services for the rehabilitation and enrichment of wetland ecosystems. Our expertise includes waterway and wetland condition assessments, saltmarsh rehabilitation, aquatic weed removal, waterway/pond/dam cleanup, bioretention/detention basins and artificial wetlands, floating wetlands, bird roosts, and wader platforms. Whether it is assessing the health of wetlands or implementing strategies for their restoration, B4C is dedicated to fostering the long-term sustainability and biodiversity of these vital environments.

Erosion Control

B4C provides customised erosion control solutions tailored to your specific needs. We recommend combining revegetation with erosion control techniques to achieve permanent stabilisation in areas susceptible to erosion. Our erosion control methods include the use of coir logs, jute mats, jute meshes, sandbags, straw bales, sediment fences, logs, and other natural or recycled materials. By effectively implementing erosion control measures, we not only prevent and mitigate erosion but also facilitate natural regeneration by capturing native seeds and preventing their washout into waterways.

CONSULTANCY SERVICES

In addition to revegetation and rehabilitation services, B4C's Environmental Services Unit provides a range of specialised consultation services including:

Environmental Assessments

- Conducting thorough site assessments including assessing environmental conditions, soil health, water quality, and vegetation cover.
- Conducting flora, fauna, and habitat surveys to assess biodiversity and ecological health.
- Installing and monitoring nest boxes.
- Developing rehabilitation and vegetation management plans tailored to specific ecosystems and land types.
- Conducting water quality testing to assess the health of water bodies and provide recommendations for improvement.
- Identifying potential environmental impacts and risks, such as erosion, invasive species, or habitat degradation.
- Providing recommendations for mitigation and restoration measures to enhance a site's ecological value and sustainability.

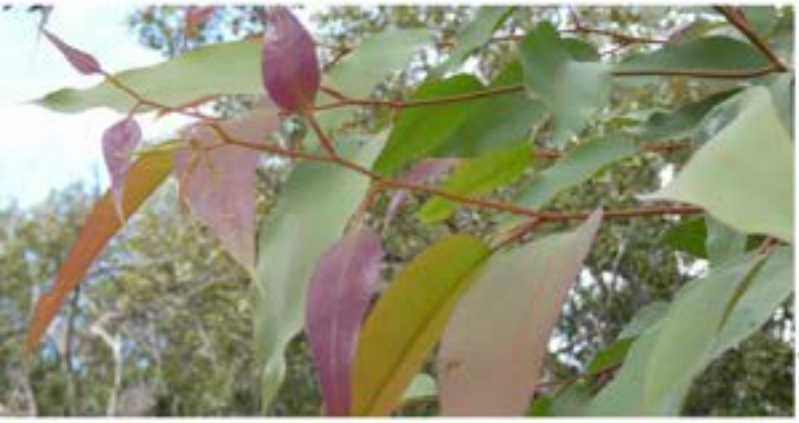
Land Management and Restoration Planning

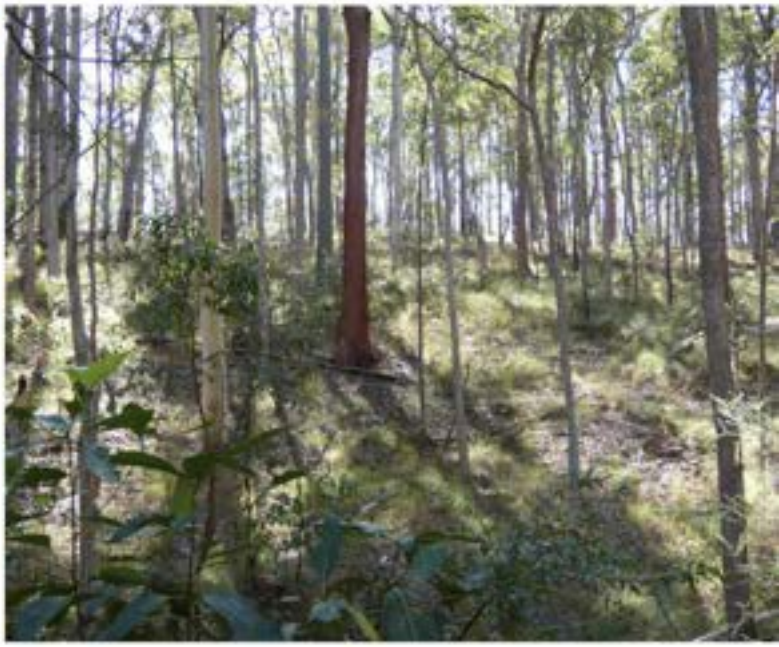
- Collaborating with landowners, government agencies, and community stakeholders to develop customised land management plans.
- Assessing the goals and objectives of the landowner and aligning them with ecological best practices and legislative requirements.
- Identifying suitable restoration techniques, including revegetation, weed control, erosion mitigation, and habitat enhancement strategies.
- Providing expert guidance in the implementation of the land management plans, including timelines, budgeting, and ongoing monitoring and evaluation.

Environmental Education and Awareness Programs

B4C's Environmental Services Unit also engages in community outreach and education through:

- Workshops and educational events to raise awareness about environmental conservation and land stewardship.
- Environmental education presentations for schools, universities and community.
- Education incursions and excursions aligned with the primary and high school curriculum.
- Walks and guided tours exploring local ecosystems.





OUR TEAM

Wayne Cameron - Catchment Manager

Wayne has over 25 years experience in ecological restoration, vegetation management and catchment planning. A founding member of B4C and the Brisbane Catchment Network, Wayne is passionate about the restoration of wetland and riparian ecosystems. With tertiary studies in agriculture, Wayne works with key landholders to improve catchment health and water quality. Wayne was instrumental in the restoration of Oxbow Wetlands and industry engagment through Industrial Landcare at Gibson Island.

Keegan Doyle - Environmental Services Operations Manager

Keegan has extensive project management experience within the bush regeneration sector, including experience overseeing and leading large teams while ensuring compliance with WH&S legislation. In addition to tertiary studies in Zoology and Ecology, Keegan also holds Certificate III in Conservation and Land Management, ACDC Licence, MR Licence, Chainsaw Level 2, White Card, First Aid and CPR, Mental Health First Aid, NDIS Worker Clearance.

Heather Barns - Office Manager

Heather has over 25 years of experience in not-for-profit organisations. Heather was a founding member of B4C. She has significant experience in project management, environmental restoration and office management. Heather is president of the Whites Hill – Pine Mountain Community Group and has been an active bush care member at Whites Hill and other groups, for over 30 years.

Carly Murphy - Environmental Projects Officer

Carly has a Masters of Environment and over 10 years' experience in environmental monitoring, restoration projects and sustainability. Her role includes liaising with key clients and data management, collection and analysis. Carly leads the Bulimba Creek Catchment Nest Box Monitoring project. She is also responsible for a range of community outreach initiatives, educating children and the broader community about local wildlife and ecology.

Denise Fraser - Invoicing and Accounts

Denise brings 20 years' experience working in accounts across a range of sectors. She thrives in dynamic, independent positions that allow her to draw from her skills and knowledge. She enjoys working for Bulimba Creek Catchment Coordinating Committee, where she can make a positive impact on the community and the environment.

OUR TEAM

Luke Wolfenden
Environmental Services Leading Hand

Luke has over 10 years' experience in bush regeneration and landscape management. In addition, Luke holds a Certificate III in Conservation and Land Management, ACDC Licence, MR Licence, Chainsaw Level 2, Construction White Card and First Aid and CPR certificates.

Chris Gray - Supervisor
Bush Regeneration

Chris has worked for B4C for over 8 years and has extensive experience in bush regeneration. Chris holds a Working at Heights Certificate and specialises in installing nest-boxes for a range of B4C clients and projects. In addition to supervising the field crew, Chris is responsible project scheduling and site reports. Chris holds a Certificate IV in WHS, ACDC Licence, Chainsaw Level 2, Construction White Card and First Aid and CPR certificates.

Ut Ngo
Bush Regenerator - Field Staff

Ut has worked for B4C for 7 years. He has extensive experince working in bush regeneration, weed management and ecosystem restoration. In addition, Ut holds holds a Construction White Card, Senior First Aid and CPR, Chainsaw Certificate Level 2 and ACDC Licence.

Eugene Tukavkin
Bush Regenerator - Field Staff

Eugene has worked for B4C for 4 years. He has extensive experince working in bush regeneration, weed management and ecosystem restoration. In addition, Eugene holds holds a Construction White Card, Senior First Aid and CPR, Chainsaw Certificate Level 2 and ACDC Licence.

Glen Pahl
Bush Regenerator - Field Staff

Glen has worked for B4C for 4 years. He has extensive experince working in bush regeneration, weed management and ecosystem restoration. In addition, Glen holds holds a Construction White Card, Senior First Aid and CPR, Chainsaw Certificate Level 2 and ACDC Licence.

James Yasin
Bush Regenerator - Field Staff

James has worked for B4C for 2 years. He has extensive experince working in bush regeneration, weed management and ecosystem restoration. In addition, James holds holds a Construction White Card, Senior First Aid and CPR, Chainsaw Certificate Level 2 and ACDC Licence.

CASE STUDY 1
OXBOW WETLAND RESTORATION


Transplanting mangroves in 2000


Fully restored salt marsh


Fully restored mangroves

The Oxbow is located in the lower catchment of Bulimba Creek near to the Gateway Motorway at Hemmant. The 30 ha site holds significant conservation value with both brackish and freshwater environments.

The Oxbow site was severely degraded prior to B4C's involvement. Human activity had blocked the natural tidal flushing, leading to an unhealthy, nutrient-rich environment. Contaminated water, weeds, and illegal 4WD vehicles further degraded the site.

The construction of the Port of Brisbane Motorway in 2000 posed additional threats. Urgent environmental advocacy, rehabilitation, and restoration efforts were needed to restore the Oxbow to a healthy state.

B4C, in partnership with the Brisbane Region Environment Council, developed a concept plan to improve water flow and flushing.

B4C planted 33,000 native trees, shrubs, and ground covers, and directly seeded over 20,000m2. The landscape was reprofiled using LiDAR laser contouring to reopen tidal flow exchange.

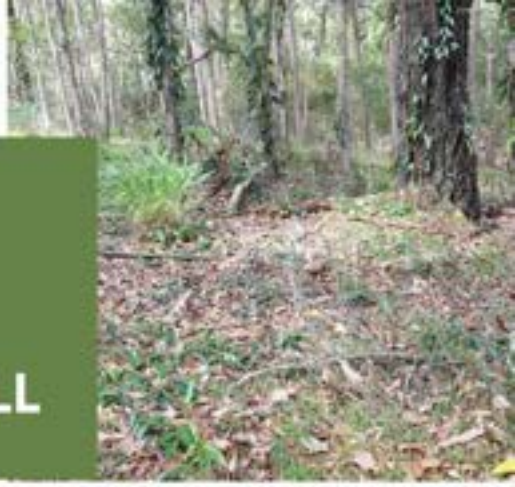
Since the project's inception in 2000, the Oxbow has recovered, with flourishing mangroves, salt marshes, and wetlands. The wetlands now support 35 fish and prawn species, as well as various bird species.

For work at Oxbow, B4C was awarded nine awards, including the 2009 Qld Landcare Award for Urban Landcare.

Community engagement has been crucial to the Oxbow's rehabilitation, involving volunteers, educational initiatives, and collaborations with universities and research institutions.

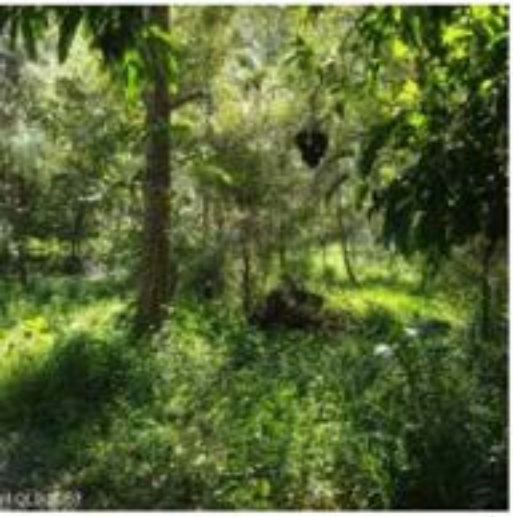
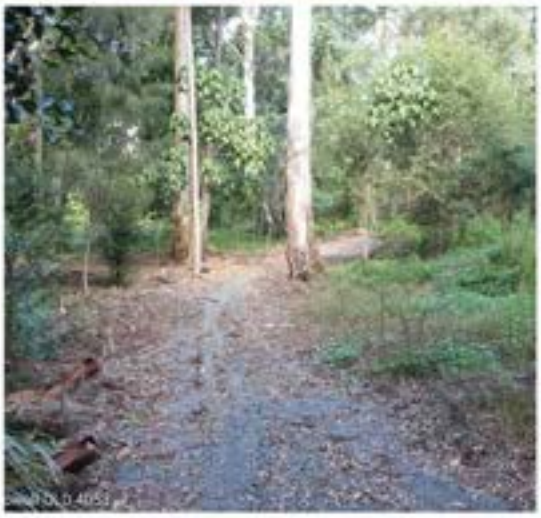
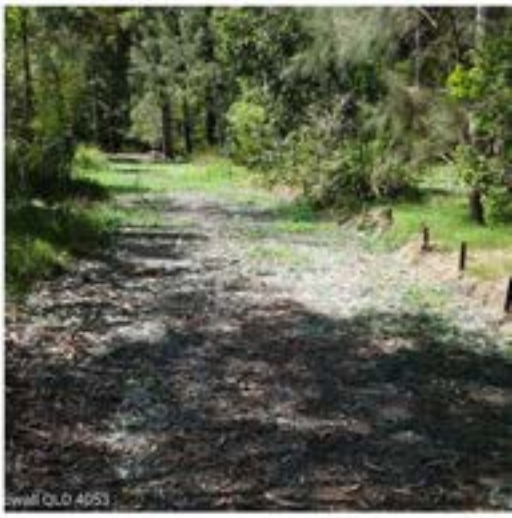
B4C continues its dedication to the Oxbow site. A partnership with Conservation Volunteers Australia, sees bushcare work conducted by volunteers on a fortnightly basis. Birdlife Southern Queensland currently conducts seasonal bird surveys of the area. More intensive work will also be undertaken through the upcoming Urban Rivers Catchment Program.





CASE STUDY 2

HABITAT RESTORATION
BCC OLD NORTHERN RD, MCDOWALL

The Habitat Restoration project at BCC Old Northern Rd, McDowall, aimed to restore the site's vegetation communities, remove environmental weeds, and promote ecosystem resilience. The site, located within a BCC managed land parcel, consisted of five restoration management units (RMU) bordered by Old Northern Road and private properties. The area was predominantly covered in exotic lawn grasses, with small stands of remnant vegetation along Cabbage Tree Creek.

The objectives of the project were threefold. First, to restore pre-clearing vegetation communities while maintaining consistency with adjacent areas. Second, to remove environmental weeds within and adjacent to RMUs. And third, to ensure ongoing maintenance of reconstructed areas to prevent significant weed infestations.

The methodology for the project included several steps. First, a site assessment was conducted to determine vegetation and habitat recommendations based on existing vegetation types, slope, flood risk, landscape modification, and geology.

Next, five separate management areas were identified for restoration, with a focus on establishing a diverse assortment of ground layer plants. Existing debris was cleared from the site to prepare for restoration activities.

Over 2000 plants, including trees and shrubs, were then installed in the initial phase of the project, with tree guards for protection. Additionally, to stabilize the banks, 360m of coir logs and 617m2 of jute mats were installed. Ongoing maintenance and monitoring were conducted to ensure the success of the revegetation efforts.

The restoration project at BCC Old Northern Rd, McDowall, achieved significant results. The site underwent a complete transformation, transitioning from exotic grasses to restored vegetation communities. Removal of environmental weeds improved biodiversity, while the installation of coir logs and jute mats stabilised banks and prevented erosion. The project also included the Soil Health (microbiome) project, which evaluated microbiome additives for enhancing soil health and ecosystem resilience.

CASE STUDY 3

GIBSON ISLAND INDUSTRIAL LANDCARE PROJECT

Prior to the Gibson Island Industrial Landcare project, the industrial port area along Paringa Rd, Murarrie was significantly degraded, with pollution runoff, rubbish accumulation, and invasive weed growth. This affected water quality, harmed wildlife, and disrupted the ecosystem. The Gibson Island Industrial Landcare project addresses these issues through clean-up efforts, native vegetation restoration, pollution mitigation, and weed control.

Gibson Island Industrial Landcare has made significant strides since its inception in April 2018, becoming the first Industrial Landcare project in our region. With 26 major events, 1,346 volunteers participating, and the planting of 9,683 native plants over a 1.2 km riparian zone.

The rehabilitation work has not only secured connectivity and habitat for threatened wildlife but has also created a natural filter for storm-water runoff, protecting the mangrove-lined waterway from pollution, erosion, and sedimentation.

Gibson Island Industrial Landcare project continues to demonstrate the power of industry and community collaboration, with many industries supporting and participating in corporate and community plantings and clean-up efforts.

Beyond the inherent environmental value of the project, industry partners benefit by demonstrating corporate social responsibility, team-building through corporate volunteer opportunities and engaging with potential customers and collaborators.

Gibson Island Rehabilitation Project

QUALITY CONTROL FRAMEWORK

In its 26 years of operation, B4C has built a reputation for quality, transparency and reliability.

Our Quality Management System ensures that we provide our services efficiently, consistently, safely and measurably at each stage of the project cycle.

Our major clients include Transport and Main Roads, Transurban, Powerlink, Port of Brisbane, Urban Utilities, SEQ Water, Brisbane City Council, Ingham's and more.

1. Planning:

- Client liaison to understand project requirements and objectives.
- Site visits to assess the environmental context, project feasibility and methods.
- Eco-hydrology assessment to analyse water movement and impacts.
- Aerial mapping to gather accurate data of the site.
- Development of scope of works, methodology statements, and risk assessments.
- Sourcing necessary council approvals and permits.
- Developing monitoring methodologies for ongoing assessment.

2. Monitoring:

- Regular site visits by project managers to ensure work meets quality standards
- On-ground supervisors provide regular reporting to project managers on specific issues
- Photographic documentation of works before, during, and after completion
- High focus on health and safety, adhering to best practices and environmental legislation

3. Record Keeping:

- Comprehensive documentation of quotes and scope of works
- Daily work sheets for reporting and tracking progress
- Quarterly or half yearly assessments and summaries of site works
- Log of herbicide use to ensure proper control measures

4. Review:

- Regular contact with clients to maintain effective communication and address any concerns
- Any deviation from the contract is only made with full consultation and approval from the client
- Contract and site reports provided yearly and upon completion or as required

A SOCIAL ENTERPRISE

Supporting the Environment and Community

As a social enterprise, we are committed to reinvesting our surpluses into supporting community and environmental initiatives. This includes providing support to network organisations like the Brisbane Catchments Network.

We invest in the community and the environment through the following activities:

Operating a community nursery and depot that caters to a diverse range of volunteers, such as community service groups, corporations, disability groups, and volunteer support services. This facility serves as a central hub for community members to actively participate in hands-on environmental activities.

Supporting bush care and catchment groups, as well as broader community networks throughout South-East Queensland. We actively collaborate with these groups and provide hands-on assistance and resources to enhance their conservation efforts.

Managing our Sustainability Centre in partnership with corporate partner Powerlink. This 2-hectare education and training center features a sustainable office, native plant nursery, community gardens, permaculture displays, and exhibits on sustainable technologies. It also serves as a venue for educational programs and training workshops for individuals interested in sustainable practices.

Implementing a Learning Network: a community and schools' program that introduces healthy food gardens and nature-based projects. Community outreach and education includes property and revegetation plans, eco workshops, educational presentations, and art projects that foster environmental appreciation.

Undertaking large-scale revegetation and rehabilitation programs across Brisbane City and the Greater Brisbane area. These programs focus on restoring degraded areas and preserving natural habitats through strategic planting of native species.

Managing two critical conservation properties in Mount Elliot and Mount Barney. These properties provide sanctuary to several endangered plant and animal species and contribute as vital links to key biodiversity corridors in Southeast Queensland.

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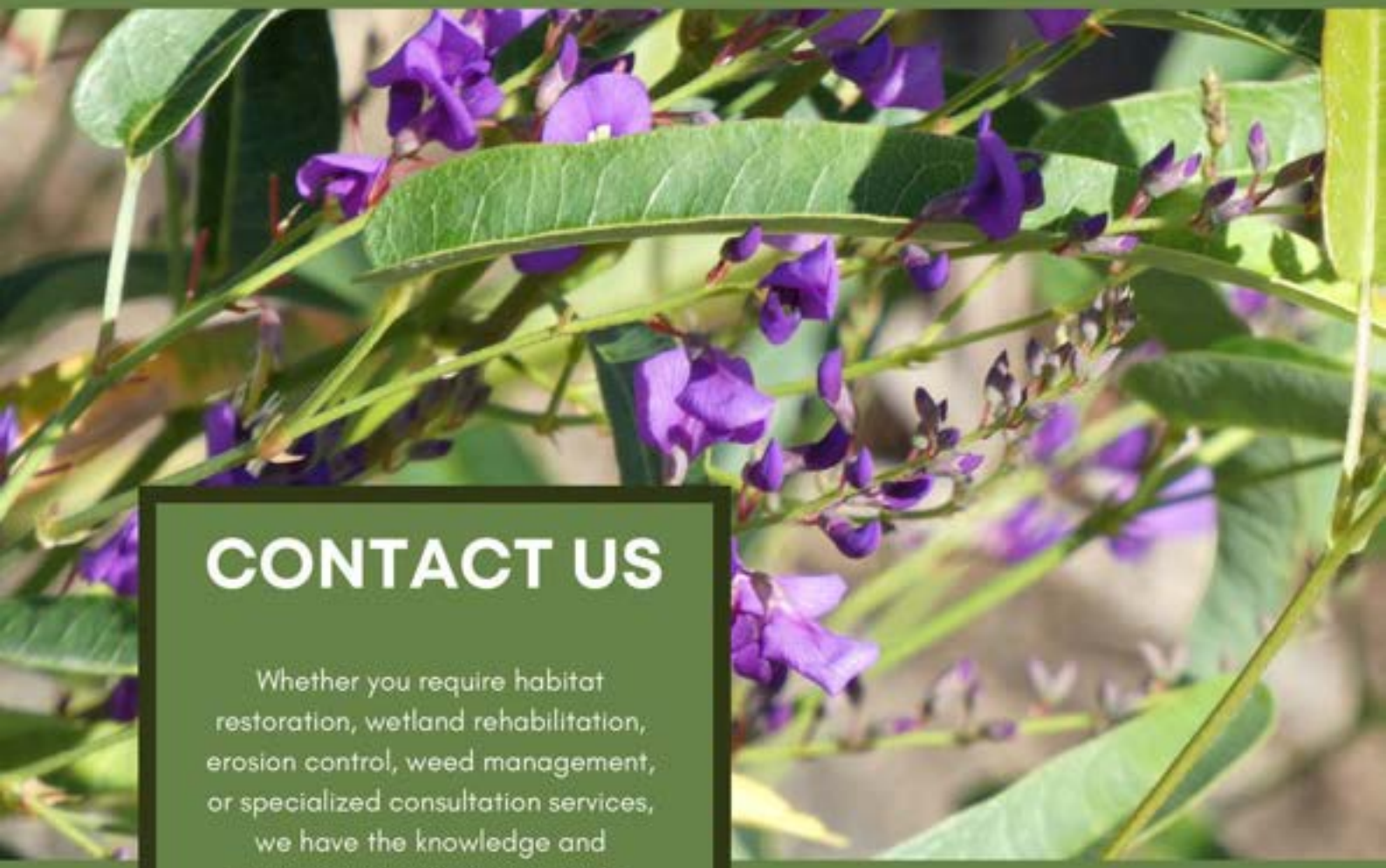

CONTACT US

Whether you require habitat restoration, wetland rehabilitation, erosion control, weed management, or specialized consultation services, we have the knowledge and experience to meet your needs. Contact us today to discuss your requirements and how we can support your environmental goals.

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Opening Hours:
OFFICE: 7.30am - 3pm: Weekdays.
NURSERY: 7.30 to 2 pm Tues and Wed; 7.30 to 12 Friday.