Environment Autumn/Winter 2025 ENVIRONMENT MATTERS

Positive power for a BRIGHT FUTURE



Bigger is better for a **SPECIAL BIRD**



High-tech conservation **TACTICS**



lpswich.qld.gov.au/subscribe



MAYOR'S MESSAGE

Big changes are rolling out across our city for a cleaner, greener future.

One of the most significant is the rollout of a Garden Organics (GO) kerbside collection bin to all households – just in time for your autumn and winter garden pruning!

This initiative will divert an enormous amount of garden material from landfill each year. Valuable garden material can instead be transformed into compost and returned to the soil.

The GO service (lime green lid bin), together with the yellow lid recycling bin and on-demand FLEXiSKiP, means lpswich residents can make a real difference in diverting household waste from landfill.

Mayor Teresa Harding

City of Ipswich



CHAIR'S MESSAGE

Creating positive environmental change takes all of us working together.

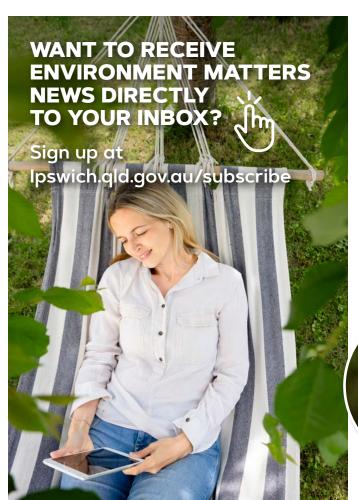
We have so many great examples of people caring for our environment, from Bushcare volunteers at working bees across Ipswich, to landholders creating wildlife havens on their properties.

One of the ways you can start creating change at home is through council's Free Plant Program. Discover a whole world of incredible and resilient native plants suited to Ipswich's conditions.

Find out how to collect your free plants at lpswich.qld.gov.au/freeplants

Cr Jim Madden

Environment and Sustainability Chairperson



ENVIROPLAN LEVY COMMUNITY FUNDING

Have a project to protect and maintain Ipswich's natural environment and need some support?

Not-for-profit community organisations and schools can apply for up to \$3,000, and wildlife carers up to \$1,500.

There are two rounds per year, in March and September.

See Ipswich.qld.gov.au/funding



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It's

Time
for Ipswich

Every household in Ipswich will move to three kerbside collection bins this year, with GO kerbside collection becoming part of our core service.

The citywide rollout is a vital component of reducing the amount of landfill we create, by recovering valuable garden organics (GO), turning it into compost, and returning it to the environment.

By the end of 2024 almost a third of Ipswich households had a 240L GO bin by signing up to service while it was opt-in.

The rollout to the rest of our community will be a massive undertaking, requiring:

- purchase and delivery of approximately 70,000 new GO bins
- purchase of six new GO trucks to service the city
- increase in Resource Recovery drivers.

Acceptable items

Prunings

Grass clippings

Shrubs

Weeds

Leaves and loose bark

Unacceptable items

Plastic bags

General waste or recycling

Stones, concrete or masonry

Large logs, branches or stumps that may make the bin too heavy to service

Q. Why are you rolling out GO citywide?

Every tonne of household waste that goes to landfill is a cost to ratepayers. Our bin audits have found that about 50 per cent of household waste is compostable material. By providing every household with a GO bin, we can divert more garden organics from going to landfill.

Q. Will the service change for residents who already have a GO bin?

There will not be any service changes for residents who have already opted into the GO service.

Q. When will my GO bin be collected?

Collections will be fortnightly, on alternating weeks to your yellow lid recycling bin.





Queensland This initiative received funding from the Government Queensland Government's Recycling and Jobs Fund.

Bushcare Come and try Come and try

Wherever you are in Ipswich, there is a Bushcare group near you!

Every weekend there is a working bee with at least one of the sites. It is easy to drop into a regular working bee, meet the volunteers and find out what it is like.

See the Volunteer Portal at Ipswich.qld.gov.au/volunteering



CENTRAL

Denmark Hill Conservation Reserve, Ipswich

The site in this Enviroplan conservation area had been overrun with weeds but the volunteers have replanted it with local native species.

Group leader Ginny Fogerty said Denmark Hill was an accessible area of bushland in the centre of the city – quiet, but full of life and biodiversity, also with a lot of cultural and historical elements.

'What makes our site special to us is our volunteers. They're such a great bunch of people! It's a great way to learn about native plants, gain skills and make some new friends,' she said.

Other groups: Bundamba Creek, Bundamba; Friends of Smith Park, Woodend; Garden of Eden Project at Cribb Park, North Ipswich; Lorikeet Street

WEST

Masons Gully, Rosewood

Over decades, West Moreton Landcare and volunteers have transformed this site from an empty street corner to a haven for Rosewood Scrub species.

Group leader Chris Rinehart said the site was special because only about two per cent of Rosewood Scrub remains, and the plantings were a legacy of local environmentalist Arnold Rieck.

'I enjoy trying to learn about the Rosewood Scrub species, and being with other people with a common passion and feeling that I am contributing to the community as well as nature,' she said.

Other groups: Banyula Road Reserve, Thagoona; Peace Park Arboretum, Rosewood.

EAST

Woogaroo Creek at Eugene Street Reserve, Bellbird Park

Woogaroo Creek corridor has been lovingly restored by a dedicated band of volunteers, with the group holding monthly working bees.

Group leader Keith McCosh said the whole area was once a prominent rainforest.

'Through regular Bushcare we hope to conserve a beautiful patch of the Woogaroo Scrub along Woogaroo Creek, which supports a diversity of species from platypus to the powerful owl,' he said.

Other groups: Opossum Creek Regenerative Project, Brookwater; Bridgewater Park, Springfield.

New ways to **Experience**Nature



Ipswich's Enviroplan conservation estates and natural areas provide clean air, habitat for native plants and animals, and preserve biodiversity. They are also places where you can unwind, exercise or enjoy time with family and friends.

In celebration of our precious Enviroplan conservation areas, autumn will be bursting with unique activities and events for you to join!

- Try out new nature-based recreation hobbies from meditation to mountain biking with the Active and Healthy program
- Discover nature at night with special guided moonlight walks with Discover Ipswich
- Join exclusive guided bushwalks of Rosewood's Stirling Road Reserve, normally closed to public access
- Expand your horizons by learning about something new, from indigenous astronomy to creating a nature sketchbook
- Network with regional experts and those connecting conservation corridors at an event celebrating the Little Liverpool Range initiative.

For details and to register, see Ipswich.qld.gov.au/experiencenature



Find the Agents of Discovery missions for your chance to win!

You have an important mission this autumn: discover the secrets of our local environment.



MISSION TWO: The Search for Enviroplan Gems





This nest box is a big deal

The nest box was so heavy it had to be lifted out of the ute by two people. When it was placed on the ground it towered over the other 'standard' sized nest boxes like a wooden monolith.

The enormous scale was to simulate a large tree hollow, something that would take more than 200 years to form in the wild.

This special nest box was tailored for black cockatoos. It was something of a prototype, modified by Hollow Log Homes from a palm parrot nest box – and the heaviest one there was.

Two of these incredible nest boxes were installed on the 20 hectare Calvert property of Mark Headridge who joined Land for Wildlife and council's Landholder Conservation Partnerships Program at the start of 2023.

Mark said he hoped the nest box would be used by the rare Glossy-black cockatoos that often visited his property.

'We get them at dusk, they feed on the she-oak trees at the front and then congregate on the dam,' he said.

Slowly, the giant nest boxes were raised high and secured in tall trees. Glossy-black cockatoos are a wary species, often spending a long time 'checking out' new nesting sites before using them.

The nest boxes and installation were funded through the Nature Conservation Grants, part of council's Enviroplan initiative.

Mark's grant has allowed him to carry out conservation improvements on his property. As well as the nest boxes, he has made significant progress on lantana control, and is working on upgrading his dam.

Mark hopes the habitat improvements will bring more wildlife to his property, including restoring his property as part of the 'koala corridor' in his region.





Heat seeking drones track creatures of the nigh



In the deep forest of Flinders-Goolman Conservation Estate, areas virtually inaccessible for humans, live rare and threatened native mammals such as the koala and greater glider.

These species are the perfect mix of hard-to-find for traditional fauna survey methods, being cryptic, nocturnal and spending most of their life high in trees.

New technology was trialled at Flinders-Goolman Conservation Estate in 2024 with environmental consultancy Ecosure. A drone with a camera flew over a large area during the day, scoping and photographing the terrain.

The same flight path was run at night, with the drone carrying a thermal camera to pick up heat signatures of native mammals. In just one night, the thermal images picked up two koalas and several squirrel gliders.

The method can be more efficient than humans on the ground with spotlights, and allows surveys of various terrain.

CIENCE FOR HE ENVIRONMENT

There are lots of ways science and technology are helping conservation efforts. It is an ever-changing field full of exciting advances.

eDNA - environmental DNA detects genetic material left by organisms in the environment. It is a non-invasive way to study biodiversity and monitor ecosystems. In Ipswich, eDNA is used to detect the presence of platypus in our waterways.

Satellite mapping - we have a clearer picture of our natural world with high resolution satellite mapping providing more detail than ever before. It has multiple benefits, including providing insight to hard-to-reach areas and the ability to see changes over time.



Al data screening - artificial intelligence can greatly reduce the manual labour required to collect conservation data. It can learn how to identify target species out of thousands of images or detect an animal call from hours of field recordings.

Positive power for a sustainable future

Excitement is building at Swanbank with a powerful milestone happening 2025 - the energising of CleanCo's first big battery.

CleanCo chief executive officer Tom Metcalfe said the organisation was proud to invest in and advocate for Queensland's energy future, supplying large-scale and low-emission energy that will help communities thrive in a net zero future.

"In line with our ambition to create a clean energy future, CleanCo is transforming the Swanbank Power Precinct into a Clean Energy Hub which will include contemporary energy generation and storage technologies," he said.

"CleanCo is building Ipswich's first big battery on the site of the former coalfired B station, continuing Swanbank's vital role in supporting reliability for Queensland's energy network."

The 250MW/500MWh battery with 138 modules will be one of the largest in Queensland and have the capacity to power the equivalent of up to two

thirds of Ipswich for two hours during peak demand periods.

It is expected the battery, built in partnership with Tesla and Yurika, will be energised in the second half of 2025.

The Swanbank Clean Energy Hub Masterplan was created through extensive engagement with the lpswich community.

This includes community infrastructure projects to enhance the 336 hectare precinct's public spaces. This involves improvements to Swanbank's lake park and recreation area, the lookout space on the northern border of the site, and the wetland area adjoining the lake.

The designs for these spaces are being fine-tuned through further community engagement, ensuring the spaces will meet the needs of this fast-growing community for decades to come.









A major target of Ipswich City Council's Sustainability Strategy was to reduce organisational carbon emissions by 50 per cent by 2026.

That target will be met early with a recent contract between council and CleanCo Queensland that now powers major buildings and over 30,000 streetlights with 100 per cent renewable energy from Queensland wind farms.

The change will reduce council's scope 1 and 2 operational emissions by 13,000 tonnes of carbon dioxide annually.

Other ways council has been saving electricity and the environment:

- Retrofitting streetlights on Brassall bikeway to LED
- Retrofitting more than 600 lights at Ipswich Art Gallery with LED technology which also reduced operational costs and provided best practice lighting for artworks.



Benefits that flow

beyond borders

A \$4 million project will transform nine priority waterway sites across Ipswich, improve water quality and bring enormous benefits for rare and threatened species of plants and animals.

This project is funded by the Australian Government's Urban Rivers and Catchments Program, with the support of Ipswich City Council.

More than 14,000 square metres of riparian corridor will be rehabilitated over four years. Project sites are located on the Bremer and Brisbane rivers, Woogaroo Creek, Bundamba Creek and Ironpot Creek.

This project aims to prevent approximately 18,000 cubic metres of sediment entering the Brisbane River and the internationally important Moreton Bay each year.

More than 30,000 native plants will be planted to restore habitat, provide bank stability and resilience, bringing benefits for many threatened or significant plant and animal species and their ecosystems.





Before

THE WORK HAS BEGUN!

The first site in the Urban Rivers and Catchments Program was Jack Barkley Park, North Booval.

On-ground work at this site included stabilisation at two areas of major erosion, installing rootballs and aquatic habitat features, and a dense planting of local species suited to waterway corridors.

On the bank there is also a habitat feature, with a timber stack with hollows to provide shelter for birds, lizards, small marsupials and insects.

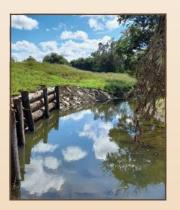
Building resilience in the Bremer catchment

On-ground works in the Lockyer Valley and Scenic Rim are benefiting downstream communities across the region such as Ipswich.

Resilient Rivers SEQ, an initiative of the Council of Mayors (SEQ), delivers cross-boundary and coordinated catchment management to protect our water and improve the health of our shared catchment.

This includes removing fish barriers, re-stocking and monitoring of Mary River Cod through the Bremer River catchment, platypus eDNA and hydrological assessment of sub-catchments.

With many sites on private property, the initiative works closely with landholders and supports onground works such as bank and gully stabilisation, revegetation, stock fencing, off-stream watering points and weed management.







Timing is everything for cool burns

For a few brief windows of time in autumn and winter, the right combination of conditions comes together, and the smoke of controlled burns hangs in the air.

Commonly referred to as 'cool burns' Rural Fire Service Queensland Area Manager Inspector Corey Bock said these seasonal mitigation burns were an important tool to reduce the potential for devastating bushfire in the hotter months.

Inspector Bock said generally burn windows opened briefly between May to August, ideally soon after a frost and when humidity was sitting 30 to 60 per cent.

'Depending on the overall broader weather patterns, it can go from too wet to too dry very quickly. In 2024 the window was pushed back and most burning couldn't start until late July,' he said.

Inspector Bock said weather conditions made a difference to the intensity of a fire.

'(In a cool burn) it could be 30cm flames, instead of three to four metre flames off the same vegetation in bushfire season,' he said.

Inspector Bock said the lowerintensity controlled fires had practical environmental and community benefits, such as encouraging new growth, managing weeds, or creating buffers to high-risk areas.

He said between July and November 2024 there were 8,200 fire permits issued to landholders in the region spanning six local government areas.

'If you have a fire over 2m in any direction you do require by law to have a permit, which can be obtained from your local fire warden,' he said.

"It's important that you have a plan for how you're going to control your fire. We are getting some escaped burns, and while it's a small percentage we want to push that margin even lower.'

Inspector Bock said people in urban areas should also be proactive in preparing their homes for bushfire risk, such as clearing gutters, trimming overhanging trees and keeping lawns mowed.

'Intense fires can have spotting, where through convection currents the hot embers move through the air - they can travel kilometres in the right conditions - and if they land in something combustible such as leaves in gutters it can catch pockets of your house or yard on fire,' he said.

Fire.qld.gov.au

Know what you can do to protect yourself, your family and your property ahead of bushfire season.

Disaster.ipswich.qld.gov.au

Stay informed of current bushfires and other hazard conditions on the Ipswich Disaster Dashboard.



What's On

Want to get outdoors and immerse yourself in the natural beauty of our environment? Here's a selection of ideas...







Clean Up Australia Day Sunday 2 March 2025 Pull on some gloves and support the 35th annual Clean Up Day – sure to be the biggest yet! There is a site near you. Cleanup.org.au Cleanup.org.au

COMMUNITY



AT HOME

Habitat Gardens

Join this free council program to boost biodiversity efforts in your backyard. Members receive an additional 20 free plants per year and access to exclusive workshops. See **lpswich.qld.gov.au/lcpp**

CHILDREN

Bush kindy

The Queens Park Environmental
Education Centre has a free
Bush Kindy program once a month
perfect for under-5s.
Follow Ipswichcitycouncil.eventbrite.com

COMMUNITY

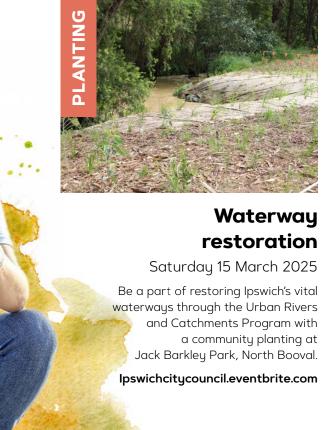
Volunteer week

From 19–25 May we celebrate our volunteers and recognise the crucial role they play in supporting our environment.

Interested in joining?

See Ipswich.qld.gov.au/volunteering







KORNER KORNER

The growing movement of bush kindy



Queens Park now has a monthly bush kindy program, free for children and their caregivers to engage with natural elements.

Program leader Areta Farrance, from Bush Kindy Teaching, has been an educator since 2003 and has been involved in bush kindy for about 13 years.

Bush kindy is a broad term, but originated from the Scandinavian forest school concept of learning outdoors. It has become popular in Australia, particularly with early learning centres.

At Queens Park, Areta has adapted the bush kindy concepts for nature play in a park space.

'Children are leading their own play, using difference senses. I use natural materials, with a focus on sustainable and recycled materials,' she said.

'Our program is community focused. The parents and grandparents come and it's a multi-age setting.'

Areta said interacting with nature offered holistic development.

'First and foremost, children are really building their confidence and their resilience, making friendships and learning social skills, building muscle strength and more,' she said.

'Nature offers that wonderful environment for open ended learning. You can have the same environment, but different age children will access it in their own way.

'Our brains develop at a young age by touching and feeling and smelling, and the textures and tastes of nature like earth, water and sand. Meaningful connections with caregivers and nature play is what builds brains.

'We are born to do it, it's innate – to walk on uneven ground, to climb. Naturally, babies and toddlers want to explore nature. It's an essential part of life.'

Queens Park Bush Kindy is held once a month. Register for an upcoming session at lpswichcitycouncil.eventbrite.com



MAKE A MAGIC BUSH WAND

You will need:

- ✓ A small stick
- ✓ Some long leaves or twigs with leaves
- ✓ Wool or twine.

Gather the leaves at one end of the stick. Wind some wool or twine around and around and around – make them nice and secure! Cut and tie the end of the wool or twine. Give your bush wand a shake and make the magic happen!

Support for schools to **go green**

There are various ways council can help local schools with environment and sustainability initiatives.

Queens Park excursions:

School groups can have a guided tour of Ipswich Nature Centre, learning about the native animals, and explore Queens Park Environmental Education Centre.

Waterbug kits:

Teachers can borrow these full kits for fun outdoor learning, as well as find out local creeks suitable for excursions.

Tangalooma Ecomarines:

Council is proud to sponsor this educational program that inspires young leaders to reduce our impact on the earth through on-ground support.

Teacher Professional Development:

Interesting topics linked to curriculum are offered each term, from composting to bush kindy!

Funding:

Schools and centres with an environment-focused project can apply for up to \$3,000 in the Enviroplan Levy Community Funding, with rounds in March and September each year.

Free plants:

Schools can claim 100 free plants a year from council's nursery. The plants are suited to lpswich's climate and conditions, and feature many great native species.

To find out more,
see Ipswich.qld.qov.au/enviroed

I'm on a mission!

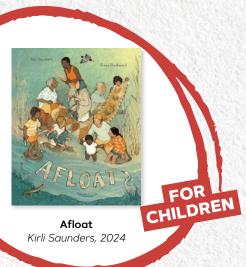
DID YQU KNQW?

The floral emblem of Ipswich is the Plunkett Mallee (Eucalyptus curtisii).

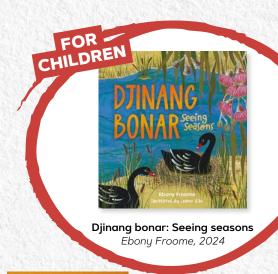
It grows into a small tree or shrub, with puffs of cream flowers in spring.

This rare tree only has a few small populations remaining in South-East Queensland, including White Rock – Spring Mountain Conservation Estate.

Sometimes it can also be found in urban areas of Ipswich where it has been used as a street tree or in backyards. Council's nursery sometimes has tubestock available – maybe you can plant it too!





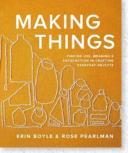




Creating a bird-friendly garden: What to plant to attract key Australian species Stephanie Jackson, 2024



Everything is water Simon Cleary, 1968-2024



Making things: Finding use, meaning and satisfaction in crafting everyday objects Erin Boyle and Rose Pearlman, 2024



Have you visited your local library?

There's something for everyone at Ipswich Libraries. Check out the line-up of events and activities at Ipswichlibraries.com.au

Ipswich Central Library

Nicholas Street Precinct, Ipswich

Ipswich Children's Library

Nicholas Street Precinct, Ipswich

Redbank Plains Library

Moreton Avenue, Redbank Plains

Redbank Plaza Library

Redbank Plaza Shopping Centre, 1 Collingwood Drive, Redbank

Rosewood Library

Corner John and Railway streets, Rosewood

Springfield Central Library

Cnr Main Street and Sirius Drive, Orion Springfield Central





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