

Environmental Levy Annual Report 2020/2021



Acknowledgement of Country

Council acknowledges the Traditional Custodians of the land, pays respect to Elders past, present and emerging, and extends that respect to all Aboriginal and Torres Strait Islander peoples in the City of Logan.



The smoking ceremony is an ancient custom among Indigenous Australians and is believed to ward off bad spirits.



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Logan City Council 2020/2021 Environmental Levy Annual Report

Message from the Mayor

Logan City Council's commitment to creating a sustainable city is part of our vision in the new Corporate Plan 2021–2026.

Council has been listening to the community and based on feedback we have endorsed a new vision, to create 'a green city full of pride, opportunity and culture'. We heard time and time again just how important it is to our residents that we protect and enhance our natural environment. By including this in our vision we will make sure that it is front and centre in our decision making.

A huge 73% of the City of Logan is either rural living, green living, recreation, or open space.

This includes more than 77,400 hectares of wildlife and ecological corridors, 2,633 hectares of wetlands and 2,177 kilometres of waterways. Funding provided through the environmental levy, enables Council to continue to expand these extensive corridors, further contributing to the quality lifestyle that our residents have come to enjoy.

Over the next five years, council has committed to increasing the city's green canopy, building our climate change resilience and rethinking the future of waste. We are have an incredible range of environmental initiatives and partnerships to achieve this.

As a local authority we also recognise that environmental sustainability means balancing our interactions with nature with the demand for growth now and into the future.

This annual report highlights the diverse array of environmental levy funded initiatives, services and projects that deliver on our commitment to creating a green and renewable city.

We also acknowledge and recognise the fundamental role of our community and community partners in helping us to achieve our vision for a green city. Thank you for your care and dedication.

I am pleased to present the City of Logan Environmental Levy Annual Report 2020–2021. The extensive environmental achievements for the City during the 2020–2021 financial year is something I am particularly proud of and I sincerely thank all those involved in making these successes a reality.

Mayor Darren Power

City of Logan



Logan City Council 2020/2021 Environmental Levy Annual Report

Message from the Deputy Mayor and Planning, Economic Development and Environment Committee Chair

This Environmental Levy Annual Report 2020/2021 provides an opportunity to reflect on our environmental achievements across the City of Logan.

2020/2021 was another full year for our environmental initiatives, projects and services as we strengthened our commitment to protecting and enhancing our amazing natural environment, supporting our waterway and wetland recovery programs, delivering energy efficiency and community environmental activities and conservation partnerships.

Many of these achievements are only made possible through the actions and partnerships with our community. Council has listened to community surveys and placed our environment as a top priority.

This report showcases our commitment to the long-term viability of our environment, community and economy which rests on the sustainability of our natural assets.

Funds from the Environmental Levy underpin Council's ability to deliver a range of initiatives and services that work to protect and improve our local environment.

These include:

- improving waterways and wetlands by implementing the *Logan Rivers and Wetlands Recovery Plan 2014–2024* and our Logan and Albert River Visions
- reducing Council's carbon emissions and installing renewable energy
- protecting and enhancing ecosystems on private land through our Environmental Conservation Partnerships
- engaging and connecting with our community through nature and wildlife focused events, activities and our EnviroGrants program.

While we have achieved much, there is always more to be done, to protect and enhance our natural ecosystems for liveability, recreational opportunity and habitat for local wildlife.

Our stunning natural areas such as the wetlands at Berrinba and Eagleby, the Albert and Logan rivers, Oxley, Slacks and Scrubby creeks and the abundance of environmental parks and reserves, attract visitors to our City with many returning to set up their future here.

Logan is home to iconic species like spotted-tail quoll, koalas, platypus, flying-fox and glossy black-cockatoos and treasured plants like *Melaleuca irbyana* and *Gossia gonacolda*.

Continuing to deliver a diverse range of innovative environmental initiatives and services reflects our values and our commitment to recognising that a varied and thriving natural environment is core to our identity, lifestyle, wellbeing and economy, now and into the future.



Deputy Mayor Jon Raven

Chair of the Planning, Economic Development and Environment Committee

Environmental Levy Financial Snapshot

2020/2021 Income:

- \$9,527,593 from Environmental Levy rates charge less discounts and remissions
- \$ 54,298 from Environmental Land Sales and Other Income.

2020/2021 Expenditure:

Acquisition and Management of Ecologically Significant Land

\$6,004,526 included:

- \$1,099,781 for land acquisitions
- \$3,837,391 on bushland maintenance and BushCare
- \$400,190 on aquatic and environmental weed control
- \$667,164 on environmental park infrastructure enhancements.

Community Engagement, Community Support and Environmental Education Services

\$1,264,501 included:

- \$1,073,296 on the Environmental Conservation Partnerships, World Environment Day Poster competition, Logan Animal Ambulance and environmental programs, events and activities
- \$191,205 for environmental grants to the community.

Connecting Landscapes, River Recovery, Nature Conservation and Climate Change Services

\$3,155,814 included the actions working towards the Logan River vision, the Albert River vision, Logan River and wetlands recovery, Riverine Discovery Centre, Koala conservation, Slacks and Scrubby Creek recovery, flying-fox management, waterbody asset management and carbon and energy management.

Other Charges and Expenditure

\$168,950

Total Reserve Balance as at 30 June 2021

\$5,308,458



2020/2021 Income



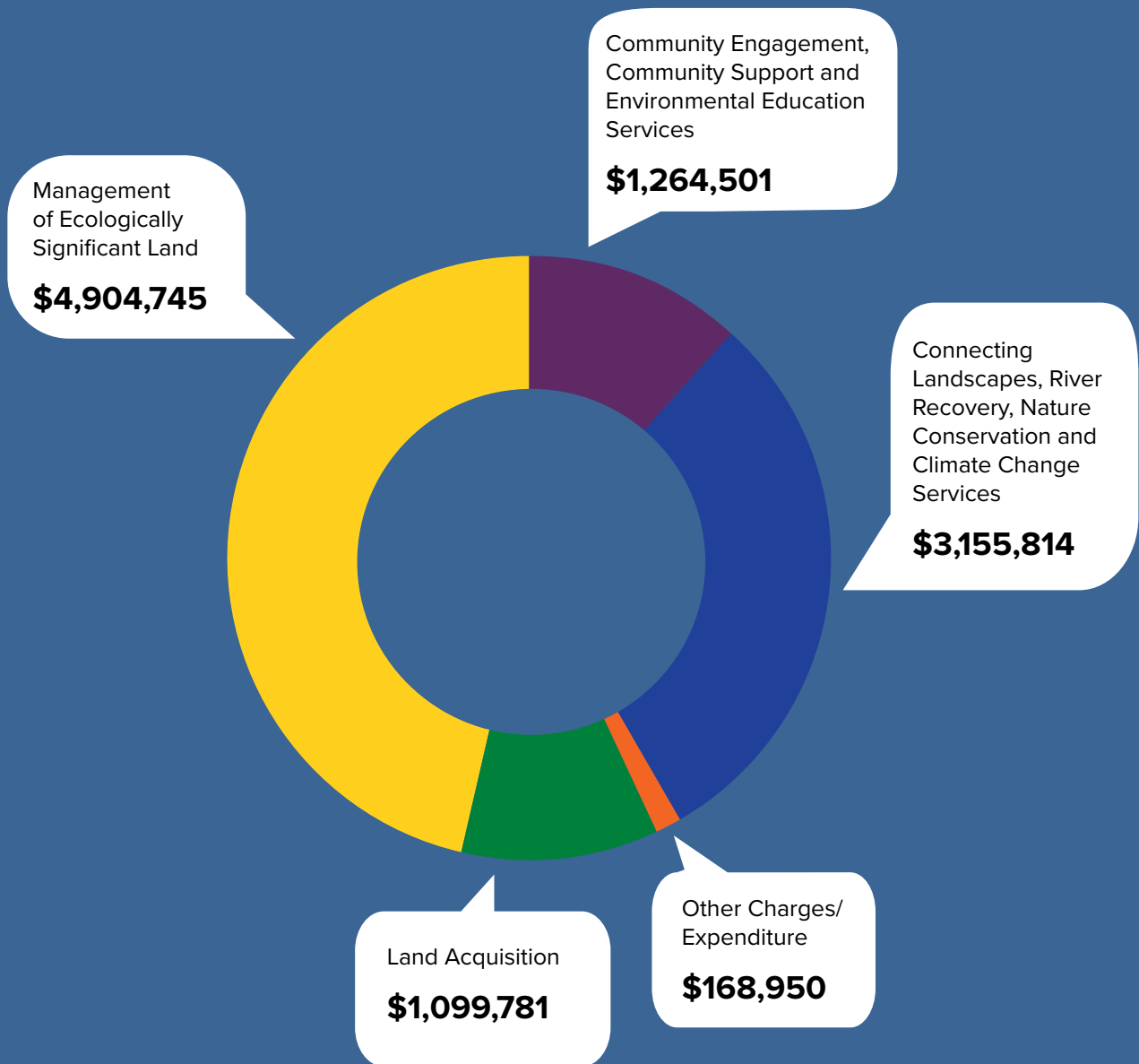
\$9,527,593

from Environmental Levy rates charge



\$54,298

from Environmental Land Sales and other income



Total Reserve Balance

\$5,308,458 as at 30 June 2021

City of Logan - Naturally Green

Logan City Council's Environmental Levy funds are generated and managed in accordance with Council's adopted Environmental Levy policy and support the delivery of Council's corporate environmental priorities and services:

Corporate Plan 2021–2026 focus area 3 – Environment

The value of our varied and thriving natural environment is core to our identity, lifestyle, wellbeing and economy. We will prioritise activation, community connection and enhancement of our rivers, waterways and habitat corridors and the wildlife within them. We will consider the environment holistically and consider impacts broadly in terms of sustainable development, climate and resource recovery.

Environmental Levy funds are allocated to acquire land, fund capital investment and operational costs (including employee costs) to deliver services, projects and initiatives across 3 key themes.

1. **Acquisition and Management of Ecologically Significant Land**
2. **Community Engagement, Community Support and Environmental Education**
3. **Connecting Landscapes, River Recovery, Nature Conservation and Climate Change**



A photograph of a forest floor. In the foreground, a large, fallen log is covered in vibrant green moss. A dirt path, littered with fallen leaves and twigs, leads from the bottom center towards the log. The background is filled with dense, green foliage and tree trunks, creating a lush, natural setting. A dark green banner is overlaid at the top of the image, containing the title text in white.

Acquisition and Management of Ecologically Significant Land

Acquisition and Management of Ecologically Significant Land

The Environmental Levy provides significant investment towards the acquisition and maintenance of ecologically significant land within the City of Logan to:

- protect, preserve and enhance our natural environment
- expand and protect Council's ecological corridors
- provide and enhance habitat for native plants and animals
- build community capacity and facilitate involvement and understanding of our natural environment.

In the 2020/21 financial year, we invested \$6,004,526 to enhance our urban forest, wildlife corridor network and environmentally significant bushland areas across our city.

- Three ecologically significant properties were purchased in 2020/2021. The first being in Greenbank, at a total of 212 hectares, the property will protect koala habitat, add to the Flinders Karawatha Corridor and help to improve the ecological and waterway values of Oxley Creek. The second was in Tamborine, at a total of 22 hectares, the property will protect koala habitat and add to the Birnam Range corridor. The third purchase was a strategic block of land within the Slacks Creek corridor. This acquisition enhances connectivity and linkage along this important environmental and community corridor.
- Operational maintenance of Council's 525 environmentally significant parks and natural areas (5378.5 ha) which included proactive maintenance of the 154 priority reserves including:
 - weed control, rubbish removal and pathway/trails maintenance across the estate of environmentally significant parks and natural areas.
- Areas of environmental significance were identified as requiring works to prevent unauthorised activities and illegal dumping. This was achieved through the installation of fencing and bollards in various parks and reserves including: Spring Mountain Forest Park, Berrinba Wetlands, Henderson Reserve, Summit Park, Drifter Reserve, Camel Reserve, Carinya Park and Glenlogan Lakes.
- Delivery of the City of Logan BushCare program, which has 12 registered BushCare groups and 3 TrailCare groups across the city, with a total of 273 active registered volunteers across both programs (up 30% from 2019/20). During 2020/2021:
 - 68 new volunteers joined these programs
 - 111 BushCare and TrailCare working bees totalling approximately 1,724 volunteer hours were completed with key environmental works including tree planting, weed removal, erosion control and trail maintenance in parks and reserves across the city
 - 9,456 native plants were planted across the city as part of our volunteer programs and projects
 - National Tree Day was postponed due to the pandemic
 - 800 native plants were planted at the BushCare Volunteer Christmas planting at Mundoolun Park
 - 3,850 native wetland plants were planted across 2 community planting days to restore a degraded area in Mundoolun Park
 - a series of trail building skills workshops for TrailCare volunteers were held.

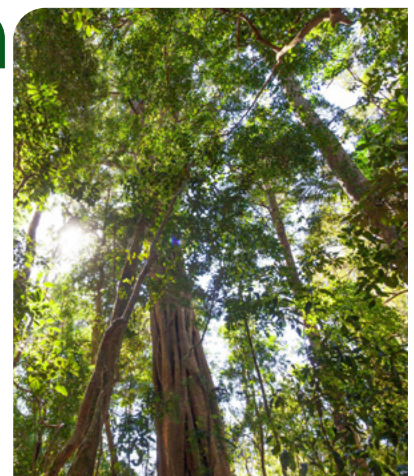


212 hectares of land at Greenbank purchased for conservation

A 212 hectare property was purchased at Greenbank. It contains koala habitat and was purchased for its high ecological value and importance to the health of the Oxley Creek catchment. It adjoins Cockatiel Park and Platypus Reserve and is close to Spring Mountain Forest Park, Spring Mountain Reserve and the White Rock-Spring Mountain Conservation Estate in Ipswich. A small tributary to Oxley Creek runs through the property.

The property will be managed for the protection and conservation of the city's biodiversity. It is almost entirely covered by remnant vegetation and is surrounded by one of the largest remaining tracts of fully vegetated land in Logan.

It is also located in the Flinders Karawatha Corridor, one of the largest stretches of open Eucalypt forest in South East Queensland. The property falls within the State Government's Koala Priority Area and is considered a core koala habitat.



Acquisition and Management of Ecologically Significant Land

- Mountain bike trail head directional signage was developed and installed at the Gramzow Road Link mountain bike trail.
- Four Skilling Queenslanders for Work (SQW) projects in bushland parks were delivered across the city. SQW projects assist young people in getting job ready and contributes to ecological outcomes within the city's parks. Council was able to support more groups during 2020/2021, enhancing our support to the Logan community to recover from the financial impacts of the pandemic. The projects were:
 - Spring Mountain Reserve and Berrinba Wetlands Rehabilitation project – BELONG, 8 months.
 - Henderson Park *Melaleuca irbyana* recovery project – RECLINK, 4 months.
 - Eagleby Wetlands restoration project – ADRA, 4 months.
 - Western Corridor Koala Habitat Enhancement Project – RECLINK, 5 months.
- Management of waterbodies to control aquatic and environmental weeds including 261 inspections resulting in 65 spray treatments.
- Mechanical harvesting of *Salvinia* from Cornubia Nature Reserve.
- Detection dog surveillance of suspected fox den habitat.
- 290 environmental weed treatments across Council parks throughout the city.
- 11 treatments of Cat's Claw Creeper at Cedar Grove Environmental Centre.
- An audit of the 506 Council recorded nest boxes was conducted, with:
 - 391 nest boxes (77%) found to be actively used (presence of animals or evidence of nesting material)
 - 10 different species of native animals present in the next boxes at the time of the audit.

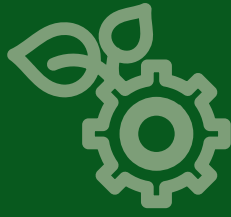
Logan named 'Best on Ground' in national green spaces report

The tree planting efforts in Logan have earned national recognition with Logan City Council named 'Best on ground' by the Greener Spaces Better Places network. Logan was given special mention in the network's annual report released in late 2020, which noted the 'great news' of the city's 5% increase in 'green cover' despite an annual population growth of 2%.

The national initiative draws on the knowledge of academia, business, community groups and government to boost natural environments in growing towns and cities. The report also found the city's tree canopy had increased from 41% in 2016 to 53% in 2020. Council planted more than 60,000 trees in the 2020/2021 financial year which adds to the 100,000 trees planted the previous year to help boost the environment and make the city a greener place to live.

Approximately 95% (57,070) of these trees were funded through Council's Environmental Levy, while 5% were funded by Environmental Offset charges paid by developers. Tree-planting, habitat restoration programs and the development and implementation of Council's environmental strategies are funded by the Environment Levy.





Operational maintenance of Council's

525

environmentally significant parks
and areas



Management of waterbodies to control
aquatic and environmental weeds including

261

inspections resulting in

65

spray treatments



Delivery of the City of Logan BushCare
and TrailCare programs with

15

registered groups across the city



Purchase of

235

hectares of new environmentally
significant land for conservation



Planting of

9,456

native plants through BushCare

Community Engagement, Community Support and Environmental Education



Community Engagement, Community Support and Environmental Education

Council is committed to facilitating and supporting planning, education and capacity building to protect and enhance the natural environment across the city (e.g. corridors, biodiversity, ecosystems, wildlife).

In the 2020/21 financial year Council invested \$1,264,501 in boosting the local community's engagement with the City of Logan's natural environment through conservation partnerships, environmental education, environmental grants and rescuing injured wildlife.

- Delivery of a range of environmental events and activities included:
 - the Environmental Conservation Partnerships Celebration Day at Greenbank on 6 June 2021
 - the Logan Eco Action Festival (LEAF) at Griffith University's Logan campus on 23 May 2021
 - more than 28 environmental workshops and activities for the community including kayaking, nest box building, spotlighting, greater glider education events, koala workshops and community planting days.
- Environmental grants in 2021 were provided, with more than \$190,000 distributed to the community for:
 - environmental projects, research, education, partnerships and to wildlife carers.
- Environmental Conservation Partnerships – 542 properties in total are registered in the program, resulting in 5,952 hectares of habitat and 188 km of waterway being managed for conservation.
 - 386 properties are registered on the City of Logan Land for Wildlife (LfW) program
 - 58 new properties joined LfW in 2020/2021 which equates to 211 hectares of additional habitat managed for conservation
- 23 properties have Voluntary Conservation Agreements to help improve high quality habitat
- 6 properties have Voluntary Restoration Agreements which will help to revegetate stretches of the waterways in the city
- 156 properties are registered in the City of Logan Habitat Connections program
- 14,474 plants and a range of land management supplies were distributed to private landholders
- \$52,007 of grants were distributed to land holders through Voluntary Conservation Agreements and Voluntary Restoration Agreements which cover 399 ha of vegetation across the city
- a flora and fauna survey conducted on an Undullah property provided conclusive evidence confirming the presence of the endangered Spotted-tailed quoll in the city
- for the second year running, Council recorded the greatest number of new members joining the Land for Wildlife program of any council area in South East Queensland.



Logan Eco Action Festival celebrated in 2021

Community-led projects that safeguard and preserve the City of Logan's natural environments were showcased at the Logan Eco Action Festival (LEAF) on 23 May 2021. The festival attracted approximately 7,000 attendees when it was held at Griffith University's Logan campus.

Program highlights included plant giveaways at the Eco Dome, handicraft markets and the announcement of Council's World Environment Day Calendar competition and EnviroGrants recipients.

Thirty-eight EnviroGrants totalling more than \$174,000 were awarded by Logan City Council at LEAF, which encourages sustainable living. The recipients of EnviroGrants help to educate the community on the importance of protecting our ecosystems, and their projects secure the future of threatened plants and wildlife.

Interactive presentations, entertainment and workshops were conducted by Dirtgirl and Scrapboy from ABC Kids, Costa Georgiadis and Jerry Coleby-Williams from *Gardening Australia* and Georgia Barnes, a former *MasterChef* contestant.



The Logan Eco Action Festival (LEAF) 2021 featured workshops, presentations and entertainment.

Community Engagement, Community Support and Environmental Education

- The Logan and Albert River Trees Program provided 4,400 plants to landholders, which resulted in approximately 3 hectares of waterway habitat restoration.
- The Council of Mayors (SEQ) Resilient Rivers Initiative delivered weed management, erosion stabilisation and revegetation work to 4 properties on the Logan River.
- The Oxley Creek Landholder engagement project delivered phase 1, with 8 new landowner partnerships delivering on-ground weed management works and tree planting along the creek to support landholders to restore, maintain and conserve the natural values of this area.
- The Logan and Albert Rivers Canoe and Kayak Trail online survey to investigate current usage of the trail was completed and found:
 - 47.3% of respondents had not used the trail yet but planned on using it
 - of the 35.9% that had used the trail most travelled on sit on top kayak while launching from either Larry Storey Park or Logan River Parklands
 - the most common reasons for not using the trail included 'I don't know where or how to start' and 'I don't have the equipment'.
- Logan Animal Ambulance conducted 3,689 wildlife rescues during 2020/2021, with:
 - the top 3 types of wildlife rescued being, birds (2,223), possums (417) and macropods i.e. wallabies and kangaroos (136)
 - other wildlife rescued included gliders (19), lizards (42), koalas (25), turtles (36), flying-foxes (10), snakes (26), echidnas (7), frogs (10), bats (4), and bandicoots (4).
- Tree age testing was conducted on 10 significant trees during 2020/2021, including:
 - the oldest tree a Queensland Blue Gum at Belivah estimated to be 301 years old. This was also the largest tree to be age tested with a trunk diameter of 1.73 metres.
 - the largest Narrow leaved ironbark (*Eucalyptus crebra*) and Spotted Gum (*Corymbia citriodora*) in Logan. Both had a trunk diameter of 1.48m with the Narrow leaved iron bark was estimated to be 282 years old and the Spotted Gum was estimated to be 259 years old.
- The World Environment Day Primary School Poster Competition attracted more than 670 students participating from 15 primary schools and home schools.

Spotted-tailed quoll in Logan

After more than a decade of searching, the rare native spotted-tailed quoll was confirmed in the City of Logan. Conclusive evidence of the marsupial was uncovered in Undullah in the city's west.

A scat (faeces) was collected on privately-owned property during a Logan City Council flora and fauna survey conducted as part of the Environmental Conservation Partnerships program. The sample was sent to an independent laboratory for analysis. Results confirmed the sample was from a spotted-tailed quoll. It contained scientifically matched hair from the marsupial, which is listed as endangered under Queensland's *Nature Conservation Act*. The last confirmed evidence of a quoll in City of Logan was a deceased male found on the side of the Mt Lindesay Highway in 2005.

The spotted-tailed quoll is a carnivorous marsupial similar in size to a cat, with ginger fur, white spots and a pouch. They are mostly nocturnal and can roam up to 6 kms from their den for food. They use faeces to mark their territory. Council is working with the property owners where the quoll scat was found to help improve the conservation value of the land.



The elusive spotted-tail quoll is living in the City of Logan. (Photo credit: Bruce Thomson).



542

properties registered in Environmental Conservation Partnerships



5,952

hectares of habitat managed for conservation through Environmental Conservation Partnerships



3,689

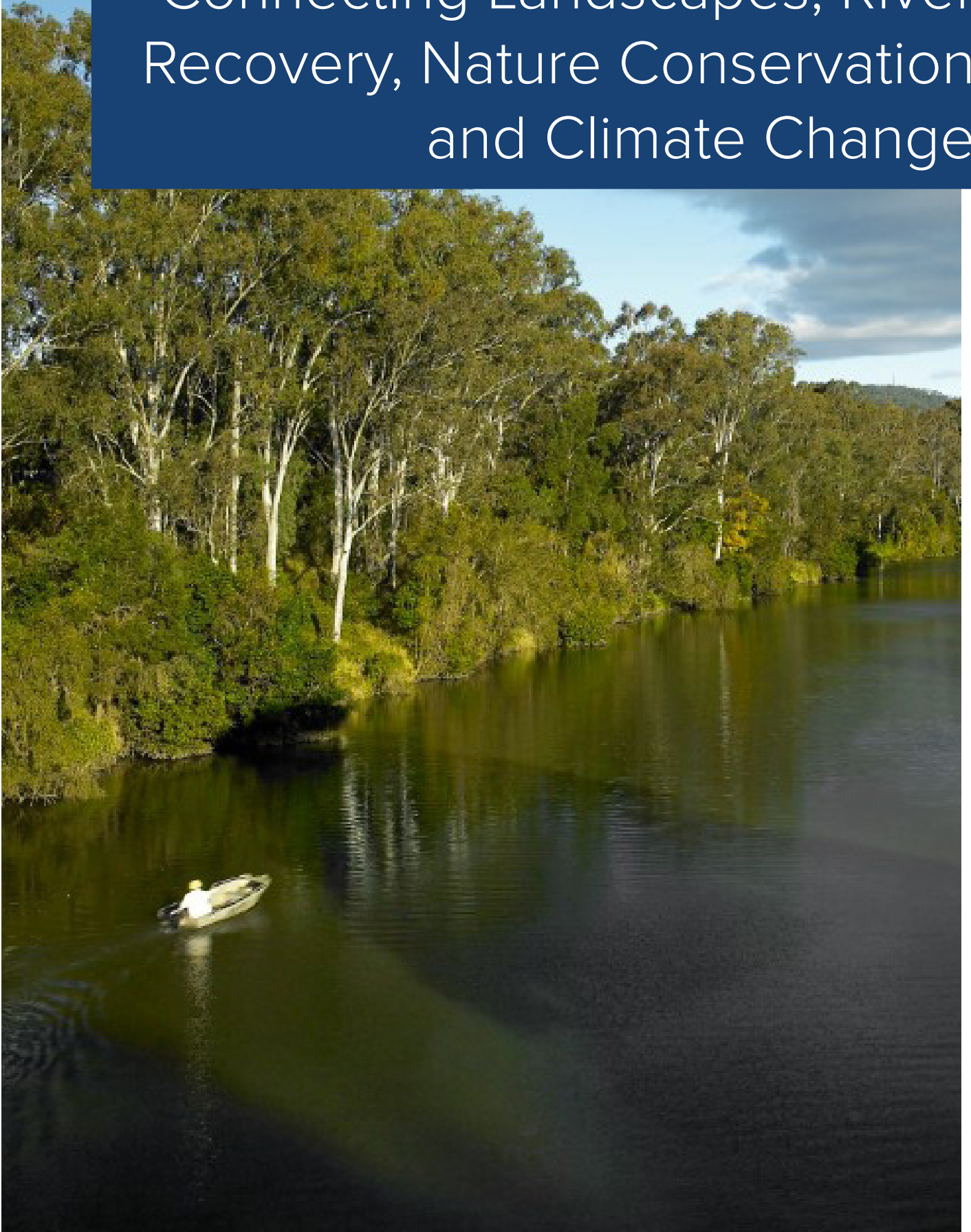
wildlife rescues performed by the Logan Animal Ambulance



14,474

free native plants provided to the community through various conservation partnerships

Connecting Landscapes, River Recovery, Nature Conservation and Climate Change



Connecting Landscapes, River Recovery, Nature Conservation and Climate Change

The Environmental Levy funds the development and implementation of Council's environmental plans, visions and strategies to provide strategic protection and enhancement of our natural environment.

In the 2020/2021 financial year Council invested \$3,155,814 to improve waterways and koala habitat, implement priority species management actions and deliver carbon and energy management actions.

- The development of the Riverine Discovery Centre Feasibility Report to investigate options to provide an environmental education facility and increase use and knowledge of the Logan and Albert Rivers. This work has secured Council part funding from the Queensland Government's South East Queensland Community Stimulus Program.
- The Mid to Upper Logan and Albert Rivers paddle trail study was completed to help inform future concept plans for canoe access points along the river and enhance parklands along the rivers. Three canoe access concept designs were developed for Eagleby Wetlands, Samuel and Agnes Smith Park and Alex Watt Park.
- Waterway and biodiversity corridor plantings including:
 - 2,460 native plants were planted throughout the Belivah Creek catchment, as part of Council's Belivah Creek restoration projects
 - 19,987 native plants were planted at 8 riverside parks, working towards our Albert and Logan River Visions
 - 6,000 native plants were planted at Lake Dennis and Riverdale Park water bodies to reduce run off and improve the health of the waterbodies
 - 1,414 native plants were planted at Roselea Park and Garoona Park, as part of Council's Slacks creek recovery projects
 - 590 native plants were planted at Greenwood Lakes, as part of Council's Oxley creek recovery project
 - 1,150 native plants were planted along a tributary of Scrubby creek to work towards Council's Scrubby creek Recovery Plan
 - 589 plants of rare and threatened species were included in Council's rehabilitation projects.
- A litter reduction campaign was conducted at Riverdale Park with community education, recycling bins and improved signage on bins.
- Waterway litter clean-ups included:
 - A 4 km stretch of Slacks Creek from Moss Street to Meakin Park. A total of 1,204 items were collected across 2 audits. The top 3 items collected were plastics (30% plastic pieces and bags), miscellaneous small items (30% cigarette butts, lighters etc) and polystyrene foam (22%)
 - A 9.6 km stretch of Scrubby Creek from Boronia Bushland Reserve to where Scrubby Creek flows in to Slacks Creek at Meadowbrook. There were 617 items collected in total over the 2 audits. The top 3 items collected were plastic items (28% plastic pieces, plastic packaging and bags), container refund scheme eligible items (18% cans and plastic drink bottles) and miscellaneous items (15% cigarette butts, lighters.)
 - A monthly clean-up of floating and bank bound litter from Riedel Park, Carbrook upstream to Anzac Avenue Bridge, Logan Village. Approximately 6,527 items of waterway litter were collected. The top 3 items collected were plastic items (29% plastic pieces and bags), food wraps (19.1%), followed closely by polystyrene foam (18.8%).
- Priest Gully bank stabilisation and rehabilitation was completed. This project saw 200 metres of creek line stabilised through bank reshaping and 2,500 native plants were installed. These works were partially funded by the Council of Mayors (SEQ) Resilient Rivers Initiative.
- Logan River Parklands bank stabilisation and rehabilitation project was completed. This project saw 7 log pile fields embedded into the Logan River along with two tree root ball logs for fish habitat. These works were complemented by a community planting day, and the installation of interpretive signage and an adjacent art seat.
- Healthy Land and Water, OzFish and Logan City Council were awarded a 3-year \$300,000 grant focusing on Fishers for Fish of the Logan And Albert River. This has 2 main objectives – the on-ground rehabilitation, fish habitat restoration and fish barrier removal; and fisher engagement in helping to look after our local rivers. The project is supported by Healthy Land and Water and partially funded through Logan City Council, OzFish Unlimited and the Australian Government.

Riverine Discovery Centre

A multi-million dollar Riverine Discovery Centre is planned to be built overlooking the Albert River at Eagleby. Designed as an educational, environmental and tourism facility, the centre will offer activities to improve the community's understanding of the City of Logan waterways. This will include outdoor nature-based and environmental educational activities aimed at increasing community use of the Albert and Logan rivers. Plans are also underway for the centre to feature historic displays, a community hub and a café with river views. The centre will be partly funded by the Environmental Levy.



Logan River Parklands project completed

A project to improve the banks of Logan River at Logan River Parklands at Beenleigh was completed in May 2021. The project included bank stabilisation and riparian rehabilitation works. It was complemented by a community planting day, the installation of interpretive signage and marine inspired seating from which to enjoy views.

As part of this project, 2 tree root balls and 7 log pile fields were installed to create fish habitat, bank stabilisation and mangrove recruitment. The riparian rehabilitation covered a length of 250 metres of the western bank of Logan River. Two of the larger trees in the precinct were identified as being aged 212 years and 148 years, in a 2019 arboriculturist study, which also noted that erosion was affecting their health. Interpretive signage was designed to educate the public on the works and the importance of the Logan River and its riparian environment.

During the community planting day at Logan River Parklands on 12 June 2021, 1,000 native plants were planted, and the Fishers for Fish project was launched. As part of the Fishers for Fish project, Healthy Land and Water, OzFish and Logan City Council were awarded a 3-year \$300,000 grant. The grant will fund on-ground rehabilitation, bank stabilisation, fish habitat restoration and fish barrier removal for the Logan and Albert rivers.



Log pile fields were installed during a community planting day at Logan River Parklands on 12 June 2021.

Connecting Landscapes, River Recovery, Nature Conservation and Climate Change

- Promotion of sustainable fishing throughout the City of Logan occurred through the addition of a Fishing in Logan webpage and the installation of a new fishing tackle bins at Logan River Parklands. This was in addition to the 3 existing bins located at Skinners Park, Carbrook, Tygum Lagoon, Waterford and Albert River Park, Eagleby. Bins are emptied and audited monthly. To date more than 3.7 kms of fishing line, 130 pieces of tackle, 169 plastic bags and 42 lures have been collected.
- Continued promotion of the Logan and Albert Rivers Canoe and Kayak Trail. Works included:
 - signage installed on pontoon at Riedel Park, Carbrook
 - additional canoe launching step on the new pontoon at Logan River Parklands, Eagleby
 - updated existing land based riverside signage with canoe trail information
 - new signs on pontoons detailing canoe trail information
 - updates to existing land based riverside signage with canoe trail information
- The design and installation of interpretive art seats occurred at Logan River Parklands, Samuel and Agnes Smith Park and Federation Drive Reserve.
- Monitoring and maintenance of virtual fences for wildlife vehicle collision mitigation occurred along Cusack Lane, Jimboomba and Rosia Road, Park Ridge. A trial of corflute wildlife movement awareness signs occurred at several hot spot locations, focusing on koala and kangaroo movement.
- Community awareness was raised of wildlife breeding season via the Wildlife Movement Awareness Campaign that ran throughout September and October 2020. The campaign included, social media posts, radio advertisements and electronic signs. There was an increase in the number of wildlife sightings reported when compared to the previous year.
- In-stream water quality monitoring continued at 3 sites on the Logan River.
- Priority species actions included:
 - Koala education campaign and workshops, including a koala breeding season top 5 tips video
 - Greater glider workshops and spotlighting series, factsheet and installation of 20 nest boxes into Council parks
 - Acoustic monitoring for the tusked frog and Wallum froglet to validate habitat mapping
 - Swift parrot community guided walk and talk
 - Twenty-four Birdwing butterfly vines were planted across Luscombe Park and Wolffdene South Reserve
 - Platypus eDNA surveys were undertaken at 16 locations along the Albert River
 - *Gossia gonoclada* translocated plants were monitored and maintained. Auditing of known *Gossia* trees within Council Parks was conducted to measure condition and confirm locations.
- Energy efficient lighting was retrofitted at Logan North Library, Logan West Library, Beenleigh Library, Beenleigh Events Centre, Marsden Depot, Mt Warren Sports Centre and the Logan Entertainment Centre. By combining the latest LED lighting technology with movement and natural light sensors, where practical, these installations are expected to save \$16,000 in electricity costs and 80 tonnes of CO2 emissions annually.
- Detailed planning and design occurred for the installation of a 200 kilowatt solar PV system on the roof of the Council's central administration centre at Logan Central and a solar battery at Marsden Depot.
- Council's annual Organisational Emissions Profile Report was developed. The monitoring of Council's carbon emissions profile illustrates that Council understands how its carbon footprint is changing over time and provides learnings for how to achieve Council's 2022 carbon neutrality target.
- The Climate Change Resilience Policy and Draft Climate Change Resilience Strategy 2021-2031 were developed.

Connecting Landscapes, River Recovery, Nature Conservation and Climate Change

Council's solar power soars

A new 1 megawatt (MW) solar farm at the Loganholme Wastewater Treatment Plant (LWWTP) has seen Logan City Council's solar capacity soar to 2MW with more projects set to come online.

That Council is embracing innovative green energy projects is evident across the city and is part of Council's commitment to achieving carbon neutrality for its operations.

Council facilities such as the Mt Warren Sports Centre, the Marsden and Logan North Libraries and the Logan West Community Centre use solar energy.

The Round Mountain Reservoir at New Beith is run by solar panels and an off-grid Tesla battery.

The LWWTP solar farm will also partly power another ground-breaking renewable energy innovation, the \$17 million Biosolids Gasification Plant. The Biosolids Gasification Plant uses extreme temperatures to 'bake' sewage sludge (biosolids) and turn it into a renewable product that's capable of a number of uses.

Once operational it will reduce the volume of biosolids by 90 per cent saving ratepayers around \$500,000 annually in haulage costs, while significantly reducing carbon emissions.

The Federal Government's Australian Renewable Energy Agency (ARENA) contributed \$6 million towards the \$17 million project. With Council's sports facilities, libraries and depots increasingly being powered by the Queensland sun, Council has reduced its carbon emissions and electricity costs.



Solar panels are helping to power Logan North Library (foreground) and the Logan North Aquatic Centre (background).



35,140

native tube stock planted
along waterways



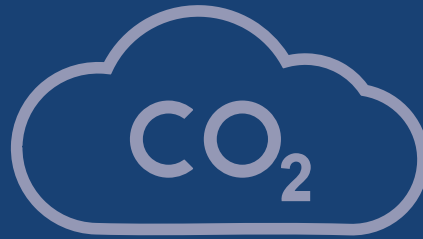
8,348

pieces of rubbish collected from Slacks Creek,
Scrubby Creek and Logan River.



3.7

kilometres of fishing line collected
through Councils sustainable
fishing initiatives



Councils carbon emissions
reduced by an additional

80

tonnes of CO2 per year and

\$16,000

saving.



Greenwood Lakes

Logan City Council

150 Wembley Rd,
Logan Central QLD 4114

Phone: 07 3412 3412

Email: council@logan.qld.gov.au

logan.qld.gov.au

