





# Introduction

Welcome to the Achievement Report for the Adelaide and Mount Lofty Ranges natural resources management (NRM) region. This year's report profiles the highlights and snapshots of our work during 2018–19 and represents the 11th report of its kind for the region. The past year marks both a continuation of work under the region's 10-year NRM Plan, and the exploration of new directions foreshadowed by the South Australian Government's reform agenda for natural resource management across the state.

The 11,000 square kilometres of the Adelaide and Mount Lofty Ranges region cover metropolitan Adelaide, the Adelaide Hills, Fleurieu Peninsula, Barossa Valley and the coastal waters of Gulf St Vincent.



SIGNIFICANT CHANGE is occurring in the way natural resources are managed in our region and across South Australia. The board and department staff have been working to support the government's reform program, which is focused on enabling communities and land managers to have more direct involvement in the sustainable management of soils and water resources, and the control of pest plants and animals.



THE REGION stretches from Kapunda and the Barossa Valley in the north, through metropolitan Adelaide and western Mount Lofty Ranges, to the Fleurieu Peninsula and Cape Jervis in the south.



THIS AREA is one of Australia's most diverse and varied regions, and home to 1.35 million people.



The region is an important centre of PRIMARY PRODUCTION, contributing more than \$888 million\* in value to the South Australian economy each year.



It is the most BIOLOGICALLY DIVERSE region in the state, home to half of South Australia's species of native plants and three-quarters of its native bird species.



ACHIEVING A BALANCE between managing the region's natural resources and public lands, protecting and enhancing this landscape, and enabling every person to find their role in managing our natural resources is what the Adelaide and Mount Lofty Ranges NRM Board does, in conjunction with the Department for Environment and Water.



Everything in NATURE IS CONNECTED, and the board and department staff work with the community to help ensure a fair share of natural resources for people and the environment.

\* https://www.abs.gov.au/AUSSTATS/abs@.nsf/DetailsPage/7503.02017-18?OpenDocument



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Wildlife for Wine planting day at Shingleback Vineyard. Cover photo: Darren Clements









# Running the business

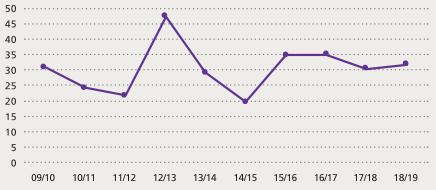
In 2018–19 the board's income from land and water NRM levies was \$32.7 million. The board also received income from **federal government** funding totalling \$1.5 million, grant funding totalling \$0.2 million and other income of \$0.6 million, for a total of \$35 million.

Total expenditure by the board was \$33.8 million, with a small investment in capital expenditure.

Project investments also attract co-funding and other support from government, business and the community. This leveraging support\* is valued at \$31.8 million (revenue, cash, in-kind).

Alongside NRM levy-funded programs, there is work to protect the biodiversity and amenity of the region's parks and reserves, although these are funded separately in the State Budget.

#### Leveraged support from the NRM levy (\$M)\*



Funding data 2009–2019.

The 2018–19 allocation for parks in the Adelaide and Mount Lofty Ranges region was \$16.4 million and included \$1.7 million in capital investment in parks and assets and over \$5 million in fire prevention and management.

This integrated program of NRM and parks activities is run by Natural Resources Adelaide and Mount Lofty Ranges, the regional arm of the department.

# II-year highlights

Cumulative data on key activities that have been achieved over 11 years of regional NRM planning and action



# 2298 property plans developed

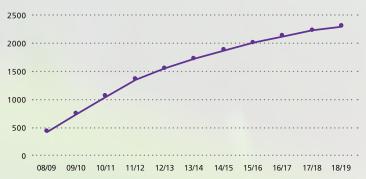




Photo credit: John Kruger and McLaren Vale Grape Wine Tourism Association



# 56,169 hectares of native vegetation actively managed





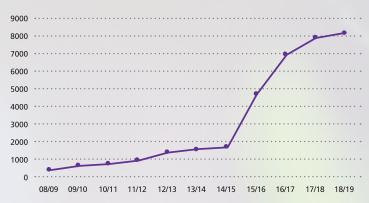
# 1795 kilometres of watercourse rehabilitated to improve water quality







# 8153 hectares of reconstruction for biodiversity conservation



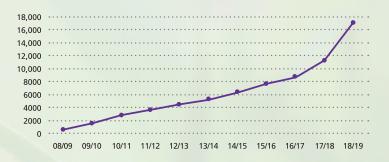


## 32,660 tonnes of waste removed from our waterways





# 17,067 landholders participating at courses, workshops and field days









Sustainable land management is an economic and environmental priority, with agriculture in the region contributing 20% to the state's total production.

Inspecting an Anabat echolocation tool at Angoves Winery. Photo: Ben Della Torre

## LOOKING FOR BAT SIGNALS

The board is supporting research into the benefits of using microbats as pest controllers in vineyards to reduce the need for pesticides.

Working with researchers and McLaren Vale wineries, staff are using the Anabat echolocation tool on vineyards to find out what species are in the region.

They have also installed roost boxes to attract more microbats and aid their identification. The boxes are needed because the bats usually rely on tree hollows or rough-barked trees for daytime safety, but these are in short supply in vineyards.

Faeces will be collected from the boxes and DNA-tested to show what the microbats are eating and how much of their diet is made up of pest insects.

Microbats are some of Australia's smallest mammals and can weigh as little as three grams, but can eat up to half their weight in insects each night.

The study is one element of Wildlife for Wine, which recognises that many insects that hamper grape production have natural enemies, including beneficial insects, microbats and some birds. The project will encourage the establishment of these beneficial predators to assist in insect management.

Interest from the Barossa and Adelaide Hills wine regions is supporting an expansion of the program in 2019–20.







# RIPARIAN

weed control works along **SOUTH PARA RIVER** included 4 adjoining private properties and PARA WIRRA **CONSERVATION PARK**, plus

works along the LIGHT and GAWLER RIVERS.











**STOCK EXCLUSION FENCING** protects

remnant VEGETATION with monitoring points to

TRACK REGENERATION at SECOND VALLEY and improves water quality along CONGERATINGA RIVER,

which flows into WIRRINA RESERVOIR.

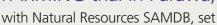
# Partnership with AUSVEG.



peak body for Australian vegetable and potato industries, includes SOIL **MASTERCLASS** and

**GREENHOUSE** and **FIELD GROWER TRIALS** to show compost benefits, which will also reduce nutrient leaching and run-off.

# REGENERATIVE FARMING trial in Parawa.





up MONITORING SITES, and provided grazing management advice, spatial analysis, pasture cuts and soil tests.



DRY times workshops with BAROSSA IMPROVED **GRAZING GROUP** and **FLEURIEU** FARMING SYSTEMS.



# COMBATING **SOIL ACIDIT**



– what lies beneath?

project established baselines through **LANDHOLDER SURVEY** and sampled 20 sites for acidity and carbon levels.



LANDHOLDERS' SKILLS increased at 2 FIELD DAYS and 3 WORKSHOPS on soil acidity and management.

This project is supported by the Adelaide and Mt Lofty Ranges NRM Board, through funding from the Australian Government's National Landcare Program.









This region is the most biologically diverse in the state, home to half of South Australia's species of native plants and three-quarters of its native bird species.

Naked Sun-orchids increased from 12 to 83 after this ecological burn. Half were left unburnt through selective brush cuttng, use of sprinklers and positioning of fire fighters.

## RARE ORCHID RISES FROM THE ASHES

Only 12 plants of an endangered native orchid were left in South Australia before a carefully planned fire in an Adelaide Hills swamp helped stave off its extinction.

The Naked Sun-orchid (*Thelymitra circumsepta*) was being smothered by a native fern, so ecologists made the difficult decision to burn part of the area to save the orchid. Fire plays an important role in the landscape for many plants, but the area had not burnt for some years.

Fire ecologist Kirstin Abley said the only options were to document the likely extinction of the orchid or try a new approach.

"We had enough information to suggest that a lack of fire was a key threat, so we decided we needed to be bold," she said.

The controlled burn included six of the orchids, with the others protected through brush cutting, the use of sprinklers and positioning fire fighters in the swamp.

The results were exciting – a count the following summer showed the population of orchids had increased to 83 in the burnt area.

With help from the Native Orchid Society of South Australia, the plants will be monitored over the next few years to see how well they flower and set seed.



#### Safeguarding nature into the future

Find out more at naturalresources.sa.gov.au/adelaidemtloftyranges



Critically endangered FLEURIEU LEEK

responded to interventions including prescribed BURNING, WEED CONTROL

and HERBIVORE EXCLUSION with numbers increasing to ~50 INDIVIDUALS and healthy flowers enabled seed collection for the 1st time in years.



**EXTINCTION RISK REDUCED** for 2 threatened swamp shrubs, Hibbertia tenuis and Allocasuarina robusta.

with successful **SEED COLLECTION** and PROPAGATION.

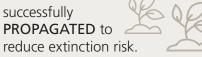




of threatened Yundi Guinea-flower and Mt Compass Oakbush



**PROPAGATED** to



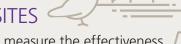


THE PADDOCK TREE PROJECT continues to create

for declining WOODLAND BIRD SPECIES across 1000 ha in farm production landscapes.

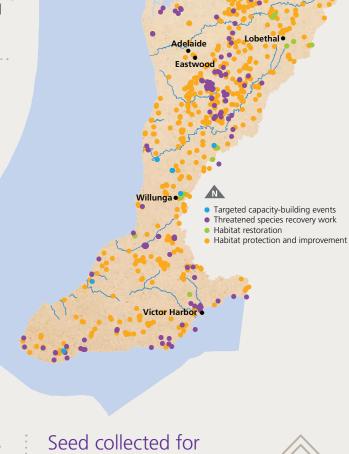






established to measure the effectiveness of HABITAT RESTORATION activities.





# 11 NATIONALLY LISTED PLANT species



now stored at the SA SEED CONSERVATION CENTRE, for future propagation and translocation. All populations of the critically



ENDANGERED ORCHID, HINDMARSH VALLEY GREENHOOD, surveyed with **NEW POPULATIONS** discovered.

Some biodiversity outcomes listed here have been achieved through funding from the Australian Government's National Landcare Program.









Our marine and coastal environments support many species unique to southern Australia as well as tourism, commercial and recreational fishing.

Local coastal plants thriving on the verge at Goolwa replaced the weedy Gazania plants that used to grow there. Photo: Alexandrina Council

## SPREADING THE WORD ABOUT A PRETTY PEST

Taking on one of the most prolific invasive coastal plants in the region is paying dividends.

The board has been working with local government and community groups to educate people about the importance of removing Gazania species from coastal dunes and home gardens.

Brightly coloured, drought tolerant, easily spread and requiring no care, Gazanias are found on many dunes and have long been a favourite with coastal gardeners. However, they are an introduced and highly invasive weed.

The Gazania Free Gardens project has been motivating people in Alexandrina Council to remove this declared plant by educating them on its invasiveness, which in turn, highlights it as a socially unacceptable plant to have in gardens.

A range of engagement and education tools are used, including a popular plant swap initiative where residents traded Gazanias removed from their gardens for a free pack of native plants.

It also built on extensive conservation works by project partners over the previous decade to remove Gazanias throughout the region.

The project is a partnership between Alexandrina Council, Goolwa to Wellington Local Action Planning, Goolwa Coastcare, Alexandrina Community Nursery and the Adelaide and Mount Lofty Ranges Natural Resources Management Board.







Clearing COASTAL CLIFFS of BOXTHORN at

plus WEED CONTROL works and **REVEGETATION** at Parham, Thompson, Middle and Light beaches, and control program to stop new weeds on the Fleurieu.



**TENNYSON** Dunes Conservation Reserve Management Plan

**COMMUNITY CONSULTATION** successfully completed and an OPEN DAY attracted 300+ PEOPLE to learn about the **HISTORY** and **BIODIVERSITY** of the dunes and surrounds.

# ALDINGA Washpool works



included 10,000 local native plants to restore **VEGETATION** communities.



PLANKTON LIVE AT THE PORT WORKSHOP saw people discover the wonderful WORLD OF PLANKTON, with

NIGHT TIME PLANKTON COLLECTION and viewing, under microscopes supplied by Uni SA.

The LOCALLY EXTINCT Yellowish Sedge Skipper



BUTTERFLY is being REINTRODUCED to the region with the help of VOLUNTEERS, and a field trip to YORKE PENINSULA to capture and return 25 caterpillars.

This project is supported by the Adelaide and Mt Lofty Ranges Natural Resources Management Board, through funding from the Australian Government's National Landcare Program.







COASTAL AMBASSADORS TRAINING PROGRAM saw 24 PEOPLE graduate.





There are now 180+ TRAINED AMBASSADORS monitoring HOODED PLOVERS, participating in REEFWATCH, monitoring WATER TURBIDITY and more.

A new youth program proved popular with 45 13-15-YEAR-OLDS taking part in virtual underwater tours and field trips.

# Communities



in natural resources management activities



Inspiring the community to preserve our natural resources is critical to managing the environment. The board is committed to strengthening these relationships.

History of SA volunteer workshop: Volunteer Support Officer Rachel Godoy, Aboriginal Workforce Coordinator Meryl Schiller, volunteer John Edmeades, Kaurna Elder Aunty Lynette Crocker and Community Engagement Coordinator Michael Field.

### NEW AWARENESS OF INDIGENOUS HISTORY

Many volunteers now see the landscape they protect through new eyes after undertaking cultural awareness training.

About 120 volunteers attended a 1-day workshop to learn more about Aboriginal Culture and history and how they relate to our natural places.

It provided an account of the experiences of Aboriginal people during South Australia's colonisation and showed volunteers how they could contribute to Reconciliation.

The session had a profound impact, with participants describing it as powerful, interactive, moving, and a wonderful opportunity to build relationships with Traditional Owners from the Kaurna Nation.

"When working in parks, I'll be mindful of the environmental and social history of the place and be more aware of the possibility of finding artefacts, and knowing who I should notify in the event that I do," one said.

There are already strong Kaurna relationships within the Adelaide and Mt Lofty Ranges NRM Board, which acknowledges and respects the perspective of Traditional Owners that the land, waters and all living things are connected, are part of a cultural landscape formed during the dreaming, and have been continually managed by Traditional Owners since time immemorial.

Natural Resources AMLR staff receive cultural awareness training, and volunteers were included as part of their access to training in the practical and social aspects of environmental work.







# FAIRY TERN

monitoring project on BIRD ISLAND, Outer Harbour

assisted by VOLUNTEERS for the 1st time, to monitor THREATS and BREEDING **SUCCESS** of these endangered birds.





# **ECO** Families Guide and Facebook community group

assisting families to LIVE HEALTHY and SUSTAINABLE lives and

### RETROSUBURBIA WORKSHOPS

for the home and community hosted by PERMACULTURE SA and the ADELAIDE SUSTAINABILITY CENTRE.

# Grants to Experiencing





for educational SNORKELLING events and to ESTUARY CARE **FOUNDATION** to trial reef structures

creation to IMPROVE BIODIVERSITY in the inner harbour, Port Adelaide.





## ADELAIDE SUSTAINABILITY **CENTRE** supported to run

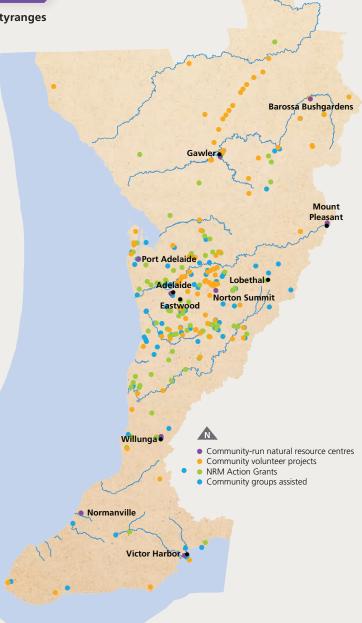
CLIMATE READY

FORUM, to help people prepare for climate change impacts, and build networks of resilience.

Also supported by Australian Red Cross, Resilient South (Cities of Holdfast Bay, Marion, Mitcham, and Onkaparinga), and Conservation Council SA.

# Our Facebook page REACHED OVER 1 MILLION

South Australians and other interested followers.



# Part-time Ngarrindjeri NRM LIAISON **OFFICER** funded



to facilitate and coordinate NGARRINDJERI **INPUT**, and support staff to work with, and



incorporate, Ngarrindjeri people's PERSPECTIVES, PRIORITIES and **KNOWLEDGE** in NRM planning and delivery.

This project is supported by the Adelaide and Mt Lofty Ranges and SA Murray Darling Basin NRM boards, through funding from the Australian Government's National Landcare Program.









Managing water is important for environmental and health benefits along with social wellbeing and supporting an economy worth billions of dollars.

Restoring the banks of Sixth Creek, to halt erosion and protect downstream water quality.

## RESHAPING VULNERABLE BANKS

Work to repair flood-scoured land at Basket Range is restoring the banks of Sixth Creek and helping to protect valued public grounds.

The 2300 square metre plot, within the Merchants Road Riparian Zone, has been cared for and rehabilitated by the Sixth Creek Catchment Group since 2011.

Known as the 'grassy flat', this land provides fire track access and is often used for community events, but the banks which surround it were deeply eroded by floods in 2016.

The damage left banks vulnerable to further erosion, posing a threat to the site as well as downstream water quality.

As part of a 3-year work plan, the board funded restoration works to halt bank erosion using strategically placed logs, alignment fencing and revegetation of native sedges.

Aboriginal contractor company Stone Environmental delivered these works, guided by expert Watertech hydrological engineer Geoff Fisher.

The Sixth Creek catchment is the largest sub-catchment of the Torrens River and one of the few permanent spring-fed watercourses in the state. It is also one of the few in Adelaide to retain mostly native vegetation.

Along with the work the community group does on-ground, it also provides education on catchment health and land management.





**BOARD-SUPPORTED** WATER SENSITIVE

SA Program Manager

recognised with AWA LEADERSHIP **AWARD** at the Water Industry Alliance 2019 Smart Water Awards.



# ~1500 TONNES of sediment and debris





removed from 2 major **SEDIMENT** BASINS.

# **KAURNA** assisted

TO DEVELOP the start of a CULTURAL DATABASE for use in WATER and

other LAND NRM projects.





ALMOST \$1M of Water Sustainability Grants helped fund 16 projects

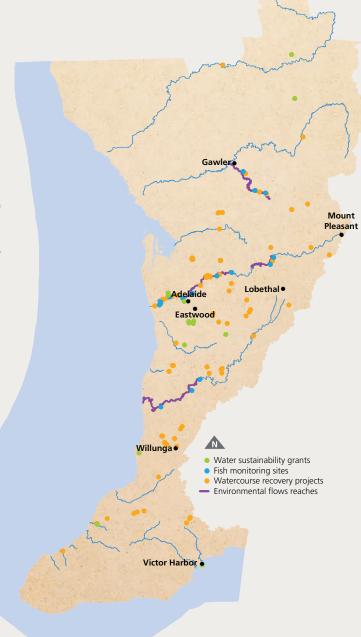
to harness Adelaide's STORMWATER to create COOLER, GREENER suburbs, and improve the quality of water flowing into Gulf St Vincent.



# governance



**review initiated** to improve clarity in **RIVER** MANAGEMENT roles and responsibilities.







of dense woody weeds to PROTECT the LAST REMAINING STAND of SILKY TEA TREE.



(Leptospermum myrsinoides) in a swamp on California Road TATACHILLA, which flows into Maslin Creek.





NRM Education works with school and preschool communities to embed sustainability principles into their learning and management practices, linking them to the Australian Curriculum.

Almost 200 students planted several thousand native plants at Brownhill Creek Recreation Park, to help create more habitat. Photo: Sam Ryan

### PAYING IT FORWARD FOR THE ENVIRONMENT

A dedicated group of community partners is combining education and on-ground work across the generations to help revegetate Brownhill Creek Recreation Park.

The Brownhill Creek Education and Revegetation Group involves the Brownhill Creek Association, Natural Resources AMLR Volunteer Support Officers, NRM Education and Park Rangers, Urrbrae Agricultural High School, Scotch College, Mercedes College, Mitcham Primary School and Urrbrae TAFE.

The schools improve biodiversity by adopting a section of the park for long-term transformation with support from the other partners. As they work with rangers, other staff and volunteers, students develop new skills through learning to monitor and revegetate their areas.

They collect data through monitoring quadrats and transects, creating herbariums, photopoint monitoring and fauna surveys. They also pass on their knowledge by training other classes at their schools.

The authentic outdoor learning program teaches the students more about the importance of biodiversity and long-term planning, while also contributing to strong links between schools and their communities.

An annual planting event is the culmination of each year's program. About 200 students worked at the park in July 2018 to plant several thousand native plants and help transform bare, weedy ground to native habitat.



#### Connecting classrooms and children with the natural world

Find out more at naturalresources.sa.gov.au/adelaidemtloftyranges





11,693 students, educators and community members

supported to EMBED **SUSTAINABILITY** in schools and preschools.







PROFESSIONAL DEVELOPMENT to 702 staff, 135 students + 12 community groups

from 195 SCHOOLS on topics such as using NATIONAL PARKS as learning resources, practical ways to embrace SUSTAINABILITY and Education for Sustainability learnings.

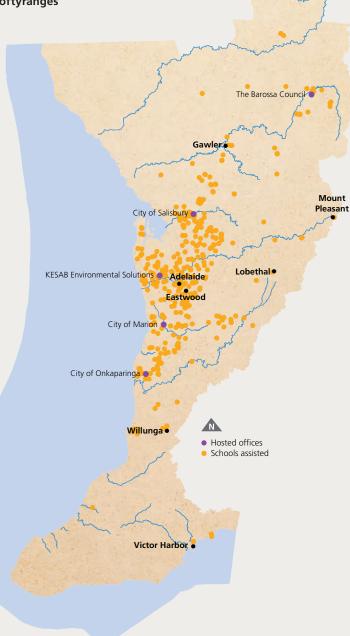


\$1.25M investment in NRM Education nearly doubles with a

\$2.3M co-investment



from SCHOOLS and PRESCHOOLS.



# 446 students from 61 schools





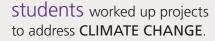
advanced through specialist leadership programs such as YOUTH ENVIRONMENT **COUNCIL OF SA** and YOUTH FORUMS.

Using **NATURE** as a **LEARNING TOOL** through



in partnership with the Department for Education.

# 'COOL SCHOOL'







IDEAS WERE PROTOTYPED. turned into MODELS and **TESTED**, e.g. turning a bike track heat magnet into a shaded oasis!

Run with City of Onkaparinga, Association of Independent Schools SA and Department for Education.



# Planning and evaluation







The region hosts a range of land uses and management practices, so planning and evaluating actions, and continuing to improve our projects, are priorities.

Marine debris surveys help inform litter management strategies across the country. At O'Sullivan Beach, the clean-up team found food wrappers, fast food containers, straws, plastic bags, doggy poop bags and even flippers!

### LITTER SURVEY ON LOCAL GULF BEACHES

Marine debris or litter is acknowledged as a major threat to marine life worldwide, with few if any areas of ocean immune to the issue.

To gain a better understanding of the nature and scale of the problem in local waters, the Adelaide and Mount Lofty Ranges NRM Board has been carrying out beach surveys

To date, the surveys have collected and categorised approximately 33,500 items and 3 tonnes of litter.

The program continued this year, supported by Clean Up Australia, staff and volunteers, with surveys across 1 kilometre stretches of 24 beaches on Gulf St Vincent, Yorke Peninsula and Kangaroo Island.

Similar to previous years, marine debris from the surveys comprised mostly plastic (85%), with plastic pieces, rope from fishing and boating, plastic bags, food wrappers, plastic drink bottles and lids, and household items such as plastic straws the main items found.

Survey manager and Natural Resources AMLR Scientific Officer Dr Kristian Peters said the surveys are central to long-term monitoring and data collection that will help inform future litter management strategies at the state and national level.

The results of these marine debris surveys are available online.



Providing direction and monitoring the effectiveness of natural resources programs



3 NEW LOW FLOW devices are helping to protect wetlands

and SUSTAIN REFUGES for threatened NATIVE FISH, at headwater dams in the INMAN RIVER catchment.





## **REMODELLED** SURFACE WATER resources for Western Mount Lofty Ranges

90% complete. NEW DATA will be used in the next water allocation plan and continued rollout of SECURING LOW FLOWS.



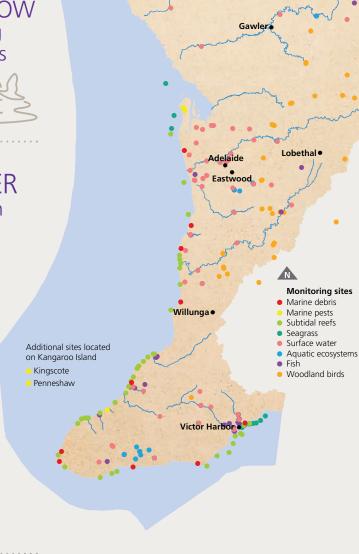


### .ANDHOLDERS helping researchers find new locations of

threatened SOUTHERN PYGMY PERCH on PRIVATE LAND, are also building their



knowledge to maintain or improve **RIVER HABITAT.** Surveys show only tiny populations of this fish on the FLEURIEU PENINSULA in the Western Mount Lofty Ranges.



### **4 LONG-TERM REGIONAL** SURFACE WATER





monitoring sites upgraded

supporting consistent information capture across the state. 46 REGIONAL SITES are part of a state-wide program, including the Torrens and Onkaparinga catchments.





from the Australian Government's Regional Land Partnerships, over 5 years, **TO DELIVER**:

Back from the Brink

Healthy soils, healthy landscapes

A Regional Agriculture Land Facilitator.

# Mapping 10+ YEARS



Mount

Pleasant

OF HISTORICAL on-ground data



shows works with LANDHOLDERS, VOLUNTEERS, **COMMUNITY GROUPS** and other partners across the region's terrestrial, coastal and agricultural systems, and where the levy has been invested.





# Our parks and reserves





Our parks are a huge asset to our state, providing great opportunities for nature-based tourism, as well as amazing health benefits, for visitors and locals.

A young humpback whale, caught in ropes and floats about 1km offshore, was rescued within an hour and was last seen heading out to sea.

## RESCUE TRAINING REAPS HUGE REWARDS

Staff led an historic whale disentanglement near Victor Harbor, one day after freeing a dolphin from fishing line.

Ten rangers worked with staff from Primary Industries and Regions SA and the Department of Planning, Transport and Infrastructure to rush to Chiton Rocks, where volunteer whale spotters reported a young humpback whale caught in ropes and floats about 1km offshore.

A drone provided vital imagery that showed how the 10-metre whale was entangled, and therefore how the rescue needed to be approached.

A team of 14 people on four vessels headed out and within an hour had cut the ropes to free the whale.

Verity Gibbs from AMLR's marine parks team said staff were thrilled to have been involved in the state's first successful whale disentanglement.

"Our teams do annual refresher training to make sure their skills are up-to-date, and it was satisfying to be able to put that training into action so effectively," she said.

"As many had worked at the Adelaide Dolphin Sanctuary the day before to free a young dolphin from a bad fishing line entanglement, it was an incredible week for the team, which included rangers, marine scientists, fisheries, marine safety officers, police, volunteers and the Australian Marine Wildlife Research and Rescue Organisation."







2 YEARS of planning resulted in a successful day to grow

### **CROMER CONSERVATION PARK**

by planting locally endangered species like the BLUE DEVIL, with 160 VOLUNTEERS putting in 6000+ SEEDLINGS.



NATIONALLY ENDANGERED

# **GREY BOX** WOODLAND



in BELAIR NATIONAL PARK restored by removing dense infestations of NON-LOCAL



**AUSTRALIAN PLANTS**, and DEW Fire Management **BURNING** the area to remove the subsequent mass germination of weedy seedlings.

### **ERADICATION OF** FERAL GOATS

from **ONKAPARINGA RIVER** and BELAIR National Parks. Removal of 90 FERAL SHEEP from **ANSTEY HILL** Recreation Park.





# NATURE PLAY AT PARA WIRRA

as part of PARK OF THE MONTH with 27 TEACHERS from early years, primary and secondary schools.



ONKAPARINGA NATIONAL PARK NEW FOOTBRIDGE

opened after the OLD SWING BRIDGE was washed away in the 2016 floods.





# **Training Program**



is being created, for 8 PARTICIPANTS to undertake a 12-WEEK COURSE to go



towards a **CERTIFICATE III** IN CONSERVATION AND LAND MANAGEMENT, along with on-the-job training and opportunities.

Mount

Pleasant

# Local government

### LOCAL PARTNERS HELP CREATE RESILIENT LANDSCAPES AND COMMUNITIES



The board collaborates with the 26 councils in its region through partnerships and projects that encourage sustainable, healthy and resilient landscapes and communities. This collaboration extends to integrating staff: The Barossa Council and the cities of Onkaparinga, Salisbury and Marion co-host NRM Education officers, the City of Playford hosts a district officer, and coast and marine staff are based at the district councils of Yankalilla and Adelaide Plains and the City of Holdfast Bay. The Northern Hills Coast and Plains District office is co-located with the Town of Gawler. In addition, the Adelaide Hills and Barossa councils support three board-funded community-run natural resource centres. Staff also work closely with local government on a range of work including technical advice, funding support and on-ground projects, some of which is profiled throughout this report, plus mandatory referrals under the Development Act 1993, and some discretionary non-mandatory referrals for advice or comment.





A Cape Tulip campaign ran with Victor Harbor Agribusiness Reference Group, City of Victor Harbor, PIRSA and local landholders. Roadside weed signs and fact sheets raised awareness, and about 200 landholders with a known infestation were sent a friendly reminder to plan for the upcoming season, while a field day promoted timely control. This paid off, with landholders spraying the highly toxic and declared weed early, including a cluster of neighbouring properties that tackled it at a catchment scale.

Natural Resources AMLR's Megan Harper with Victor Harbor Agribusiness Group's Beryl Price.



excellent results, with a DRAMATIC **DECLINE** due to management practices, control efforts and a well-coordinated campaign with the CITY OF PLAYFORD.



# 3 COASTAL **GARDENS** design workshops



were delivered in collaboration with coastal councils (HOLDFAST BAY, ALEXANDRINA and



ADELAIDE PLAINS) and 50 people were taken through a process to develop and maintain a weed-free native coastal garden.



The River Torrens Recovery weed removal program saw pest plants controlled along the Linear Park. Almost the full length of the park has now been treated over five years. This project was delivered in partnership with DPTI, SA Water and eight councils [Charles Sturt, Norwood Payneham & St Peters, Port Adelaide Enfield, Tea Tree Gully, Walkerville, Campbelltown, West Torrens, Adelaide].

River Torrens Linear Park at Tea Tree Gully. Photo: Craig Arnold



Heathfield Stone Reserve was restored thanks to a partnership with Adelaide Hills Council and Trees For Life's bush care work, focusing on conserving habitat for some of the hills' most iconic endangered species, including the Southern Brown Bandicoot and Yellow-tailed Black Cockatoo.

Southern Brown Bandicoot. Photo: Kirsten Abley



NRM Education collaborated with staff from the cities of Holdfast Bay, Marion and West Torrens to deliver a series of professional development sessions for educators focusing on creating, managing and using school food gardens in learning programs.

Professional development at the Onkaparinga Estuary. Photo: Sam Ryan



# A FLEURIEU FERAL DEER control program involved

35 LANDHOLDERS, the DISTRICT COUNCIL OF YANKALILLA and FORESTRYSA. The program

is supported by landholders and local industry groups that recognise the importance of a landscape-scale response to the problem.



# GREENING MARION,



a cross-sector pilot

to explore new ways to increase greening in Marion, has started with the CITY OF MARION, **DPTI** and **WATER SENSITIVE SA**.



# THE BOARD-SUPPORTED SA URBAN FOOD NETWORK

hosted two successful events with the PUBLIC (100+) and LOCAL GOVERNMENT (40+) to help build a local, flourishing sustainable food system.

Almost 200 people enrolled in one of nine Living Smart courses. There is now a growing and active Living Smarties SA Facebook group with about 660 members. This course partnered with one school, Sustainable Communities SA and nine councils [Port Adelaide Enfield, Marion, Barossa, Onkaparinga, Mitcham, Unley, Mt Barker, Holdfast Bay, Burnside].

Living Smart at Seacliff. Photo: Morgan Sette

The Adelaide and Mount Lofty Ranges Natural Resources Management Board acknowledges and respects the Kaurna, Peramangk, Ngadjuri and Ngarrindjeri Nations as the Traditional Owners of the Adelaide and Mount Lofty Ranges region. We pay homage to their ancestors, who maintained the natural processes of the land we are now on and whose spirits still dwell on Country. The board also acknowledges the role that the Traditional Owners of this region continue to have, and should increasingly have, in purposefully shaping and caring for the area that we now know as the Adelaide and Mount Lofty Ranges region. **Natural Resources Adelaide and Mount Lofty Ranges** 205 Greenhill Road, Eastwood SA 5063 | **Phone** +61 (8) 8273 9100 More detail about the Adelaide and Mount Lofty Ranges Natural Resources Management Board can be found at: naturalresources.sa.gov.au/adelaidemtloftyranges

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