

ANNUAL  
REPORT  
2019/20

The background of the central text area features several large, stylized leaves. Two leaves are a vibrant green, and two are a deep blue. They are layered and overlapping, creating a sense of depth and movement. The text is centered over these leaves.

CHANGING  
THE WAY  
WE THINK  
ABOUT THE  
THINGS WE  
NEED, USE AND  
THROW AWAY



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## MINISTER'S REPORT

### *Foreword from the Minister for Environment and Water, the Hon. David Speirs MP.*

South Australia has rightly earned a reputation as a global leader in innovative waste management, resource recovery and green industry development. For more than fifty years KESAB *environmental solutions* has played a pivotal role in the industry and in particular through provision of its litter and waste reduction education and awareness in South Australia.

In recent years the state government has proudly built on South Australia's reputation as a national leader in resource recovery and waste minimisation by investing millions of dollars via the SA China National Sword Policy Support Package (commenced in 2018-19) and the Waste and Resource Recovery Modernisation and Council Transition Package (2019-20). These packages have included the popular *Which Bin* recycling education program, which is improving community understanding of waste management and recycling.

The government continued to demonstrate South Australia's leadership with our state being the first to pass legislation pioneering single-use plastics legislation through Parliament. The new law will initially prohibit the sale, supply or distribution of certain single-use and other plastic products and, importantly, it introduces a framework for more items to be banned in the future.

KESAB has been a valued member of the stakeholder taskforce that helped inform the development of the legislation and will continue to have an important role as we look to progress further with this initiative.

In 2019-20 KESAB engaged thousands of students to deliver its well-known practical programs such as *Wipe Out Waste*, *Litter Less* and *Sustainable Communities (Tidy Towns)*. KESAB also continues to work with local government, community and businesses to deliver its waste audits and waste reduction programs. Other activities undertaken by KESAB in 2019-20 such as *Road Watch*, are run with the significant contribution of community volunteers. I take this opportunity to specifically acknowledge and thank KESAB's volunteers for their continued passion and contributions throughout the year.

After more than 30 years at the helm of KESAB, Mr John Phillips OAM, retired at the end of the 2019-20 financial year. I thank John for his instrumental role in successfully leading the organisation, and broader waste and recycling, environment, and community sectors. During his tenure, John developed KESAB into an organisation with a phenomenally strong brand and one that is known first and foremost for doing good for our environment and communities all across South Australia.

John was awarded the Order of Australia in 2004 for his work for the environment, including through KESAB. He approached his work with humility and decency and has left an impressive legacy. I wish John all the best for his retirement and congratulate him on his many years of service to this state.

All levels of government, business and the community have roles to play in reducing waste and improving environmental and economic outcomes for our state and KESAB remains a vital partner in supporting the state government's commitment to realising the benefits of the circular economy.

**Hon. David Speirs MP.**  
Minister for Environment and Water



**CHAIR'S  
REPORT**

***KESAB environmental solutions continues to be the leading NGO for litter reduction and finding solutions to reducing community waste in South Australia. The challenges over the past year have impacted both waste management and KESAB's community education.***

The suddenness of COVID-19 caused the KESAB staff and Board to re-evaluate the business and demonstrate the agility and flexibility that the organisation's culture has embraced. It has been during this time I have been proud to see unity within KESAB, finding "can do" opportunities and delivering the important education that connects waste and community action.

Change is difficult without a culture to support it. We recognise that twelve months ago the way we did things and our expectations were quite different. Now we see a community acutely aware of the delicate balance between its inputs and a successful society, and that KESAB is able to harness these opportunities through delivering programs to make changes in our daily lives to support our environment. This is the message that KESAB carries with its programs, "change the way we think about the things we need, use and throw away".

This coming year we will work with the community and our partners to take this message more widely. The GISA Waste Strategies open the door to manufacturing, food waste, and retail industries defining and encouraging the circular economy.

A significant part of the Board's role this year has been focusing on its make-up to be prepared for the future. After many years of committed service to KESAB, Brendon Corby stepped down as Deputy Chair and Board member and we have been lucky to have Neil Martinson come on to the Board bringing a wealth of experience in administration from local government and regional community in the Riverland. This has inspired the Board to reflect on its means of connecting to our regional partners and fortunately we were already moving towards e-communications before we were swept into the COVID-19 virtual world.

I have left the recruitment of a CEO to complete this report. Well what can be said? John Phillips' decision to retire has left much to be discussed and done at KESAB as to how we look forward. He is a knowledgeable and reliable advocate for KESAB and South Australia, who has worked tirelessly to build a strong recycling and anti-litter culture in our state. We are the envy of other states and international jurisdictions. Thanks to the Board, staff of KESAB and support from "JP", we believe that with the twelve months of preparation and the follow up support since July, KESAB will enter a new era with the able assistance of the new CEO Wendy Bevan. Wendy has already demonstrated a good understanding of opportunities for KESAB and taking the organisation into the next generation with passion. The Board is excited about these possibilities and KESAB's vision for the future. This year the Board will develop the new Strategic Plan that builds on KESAB's skills and enthusiasm, and programs with our partners.

Special thanks this year to the staff and Board for their assistance and vision, and to our partners for their support.

**Ros De Garis** Chair





## OUTGOING CEO'S REPORT

***The 2019–2020 financial and operational year is one that is un-heralded by KESAB environmental solutions. Globally catastrophic events such as fires, floods and droughts and the COVID-19 pandemic continue to impact daily uncertainty in our work, travel and overall lifestyle.***

Despite the many disturbances encountered, South Australians are well served by the dedicated KESAB sustainability education team who delivered an increasingly relevant scope of government, industry and community environmental engagement initiatives in our 55th year as South Australia's leading environmental sustainability education NGO.

Partnerships with Green Industries SA (Wipe out Waste, Litter Index, IWS Education Centre, Which Bin 1300 Hotline), EPA (Pt Wakefield Road Litter Audit); SA Water (APY Lands Bore to Tap); Dept. of Planning, Transport & Infrastructure (Road Watch); Sims Metal (education micro site and corporate social enterprise resource recovery); Statewide Recycling (Education Centre); NRM Education (now Green Adelaide) and Mars (Litter Less) showcase the quality and extent of KESAB education.

KESAB has also enhanced partnerships with local government in both metropolitan and regional areas, undertaking kerbside waste audits and engagement through community waste tours, Take the Pledge and Bin Tagging programs. We also developed a strong working partnership with STEMSEL through Science Week and Inventors Club, in both local and international activities.

KESAB extended programs across state borders to facilitate City of Darwin and Palmerston Council's (Northern Territory) landfill waste audits and community education. This will build capacity and capability working to improve community resource recovery best practice.

KESAB maintained a proactive working relationship with Keep Australia Beautiful National organisation, with special focus on the National Litter Index (NLI) which is based on the KESAB South Australian methodology and has been used throughout Australia for over thirty years.

The CSIRO report on the NLI introduced options to value add to the NLI by modernising counting and reporting procedures while ensuring protection of trend line data collected nationally for over thirty years. KABN is implementing these recommendations, where applicable, and working with KESAB to ensure the data integrity is maintained to manage uncontrolled waste, including litter.

The EPA review of Container Deposit Systems (formerly Container Deposit Legislation) will shape and modernise collection systems and strengthen resource recovery and waste diversion from landfill through a Circular Economy. By 2023 all jurisdictions in Australia will have CDS operating; 45 years after Australia's first implementation of the system here in SA in 1978.

Whilst on a regulatory focus to reduce waste, South Australia has undertaken significant reform including bans on Single-Use Plastics, increasing the waste levy for landfill, landfill stockpiling reporting, and conducting a parliamentary inquiry into the state recycling sector. KESAB has contributed to all consultation processes.

KESAB was successful in obtaining funding through the Community Environment Fund offered by federal electorates. Focuses of funding will be seeking to engage aged-care and multicultural organisations to improve in-house waste management systems and educate best practice, and embracing recycling and litter management at public events.

The second half of the year saw the arrival of COVID-19. KESAB staff responded rapidly and effectively adopted a "business as usual" approach, as best we could, working with organisations around us.

The front door was kept open with a mix of working from home and rostering staff into the office and taking leave accruals. I take this opportunity to thank KESAB staff for their endurance in difficult times, achieving excellent and innovative program delivery and maintaining engagement with community. Working from home provided opportunities for KESAB to "test" new learning initiatives with the extra benefit of engaging remotely.

The word for the period became "ZOOM", demonstrating how things could be done in the "New World" and showcasing KESAB leadership through successfully developed communications via electronic media. KESAB delivered 40 ZOOM sessions about recycling, professional development, virtual tours of recycling facilities and school education sessions, reaching 2,000 participants in the March – June period. We also tapped into ZOOM, TEAMS and webinar events during the period.



Included in training and education was the KESAB Clean Site Construction Industry Training Board (CITB) partnership program "Doorways to Construction", offering careers training to over 800 students in Years 11 & 12 from all corners of South Australia. This program is seeking funding to modernise the Clean Site learning platform.

KESAB continues its discussion with the South Australian Government, building a business case to develop a partnership with Sims Metal to work with APY Lands to initiate a resource recovery project embracing thousands of tonnes of metals and tens of thousands of beverage containers in regional, rural and remote communities. As a social enterprise initiative, outcomes have potential to create social (jobs), environmental (clean up) and economic benefits.

KESAB Board was supportive and engaged this year under the leadership of Chair Ros DeGaris. The Board remained focused on KESAB governance and finance performance in context of the many unknowns around COVID-19, ensuring capacity to keep the doors open and commencement of the next KESAB Strategic Plan.



**John Phillips** OAM CEO



**INCOMING  
CEO'S REPORT**

***It is an enormous privilege to be appointed CEO of such an iconic SA organisation as KESAB.***

After thirty years at the helm, John Phillips leaves KESAB in a strong position as a widely respected environmental organisation with an enviable reputation as a leader in sustainability education and behaviour change, and as a proactive and positive business and community role model.

I intend to build on these strengths and position KESAB for the next thirty years and beyond in an ever-changing business community and natural environment.

COVID-19 certainly has changed the way businesses operate. While the devastating economic and community impact of the pandemic will reverberate for years to come, COVID-19 has also illustrated that there are further ways to deliver business outcomes beyond what we have become used to and accepted as the 'norm'.

Virtual business connectivity reduces greenhouse gases and can replace some trips and this is good for the environment. More excitingly, virtual education and learning modules, to complement KESAB's crucial hands-on programmes and methodologies, provide exciting opportunities to expand our reach and to take our environmental education and business services to more people, more locations, more organisations and more businesses in different ways and at different times.

KESAB prides itself on its strong, collaborative and bi-partisan relationships with governments of the day. This will continue.

One of my first responsibilities as CEO has been to prepare and submit KESAB's response to the two GISA 2020-2025 strategies on waste and food waste and I look forward to KESAB working with them to implement these strategies over the next five years.

***At the time of writing the Government's legislation to ban single-use plastics has progressed through Parliament. KESAB welcomes this legislation and also looks forward to working with Government into 2021 with its implementation.***

Like most respected and successful organisations, KESAB is only as good as the people in it. KESAB's people are committed, passionate and qualified and I would also like to thank them for their support during the transition to a new CEO.

I would also like to thank John for his generosity of time in 'handing over the reins' and I wish him every success in both his private business endeavours and retirement.

It is an exciting time to be working within the environment, education and waste industries and I am keen to ensure KESAB continues to play a vital and positive role in SA.



**Wendy Bevan** CEO

## WIPE OUT WASTE

***Wipe Out Waste (WOW) is funded by Green Industries SA and delivered by KESAB environmental solutions. WOW is a resource recovery and waste reduction initiative for education sites in SA, providing professional learning for education site staff, site audits and assessments and online resources.***

Highlights of WOW activities during the year included:

- Award to St Joseph's Tranmere for achieving the greatest reduction in material to landfill for sites in 2019. <https://www.facebook.com/StJosephsTranmere/>
- Supporting Resource Rhymes winning schools – Westminster Junior School, Hackham East Primary School and Craighburn Primary School with WOW performances and activities.



- 10 Professional Learning sessions for more than 220 people from 89 sites, including Catholic Education sustainability group, Gowrie Early Years, school staff/parent presentations and three of KESAB's first 'virtual' holiday field trips.



- Science Alive stand for WOW and KESAB with 25,000 visitors. This year KESAB was joined by Daniel Williams from DC Engineering 3D printing, who demonstrated how 3D printer offcuts can be recycled into new filament.

- WOW display at Teachers Big Day Out
- 17 audits (five re-audits, with four reductions in materials to landfill, one up to 70% less)
- Supporting an Adelaide University study into 'School Food Environments' looking at nutrition and food waste.
- Working on a new website and refreshing the WOW brand – watch this space!

KESAB's success comes through partnerships and collaboration with schools and community. One very proactive principal said "Can you imagine if every school in Adelaide had a green waste bin and all their food and paper towel went into it? – That is a massive win. I have a dream".

Some of the positive comments from the Professor Planet online shows include:

"The children were very engaged. I hadn't seen the recycling show before, but you explained things really well, added humour, and I loved the way you explained the processes from home to recycle centre and made into items. Very clever!"

"Thank you for the show yesterday – the children really enjoyed it... we did face time on T.V about recycling", "We were talking about recycling", "Look after Mother Earth" "Straws are not really useful".

"We have just finished our end of day reflection and everyone commented on how engaged the children were during the show".



Congratulations to Immanuel Primary School – who sent only a handful of material to landfill on a bin free day they held as a 'Sustainable September' activity.

Congratulations also to the school for receiving UN recognition and students who designed the winning poster for UN World Oceans day; a great achievement. The school holds an annual exhibition of student projects exploring United Nations Sustainable Development Goals, which is well-attended by families and a learning experience for all.





### The COVID-19 Pivot

WOW shows pivoted during COVID-19 closures. Online sessions with “Professor Planet and his Revolutionary Recyclatron” were delivered to over 3,000 people including from regional areas such as Port Lincoln and Whyalla.

Partners which KESAB usually visited as part of its Holiday Field Trips adapted their visits and together we were able to conduct “virtual field trips” using zoom and their personal electronic devices.

KESAB would like to thank the dedicated staff at the following sites: Advanced Plastic Recycling, Adelaide Resource Recovery, BioBag Australia, Cleanaway, DC Engineering 3D Printing, Electronics Recycling Australia Jeffries, NAWMA, and Replas (SA), for stepping up to this challenge.

Comments from participants were very positive:

“It was very well done. Good selection of presenters”.

“Thank you for offering this virtual session! I have been wanting to attend one for age”.

“I enjoyed the online format”.

“I am excited to learn about so many great initiatives in SA. I can't wait to visit a MRF after COVID-19 is over. See you at the next webinar!”

“Thank you for helping teachers in these uncertain times by being flexible with PD”.

*“I found the content to be engaging and inspiring and loved the energy of the guest speakers who were cleverly linked into their workplace. From a regional point of view it was great to have this webinar available.”*

KESAB will continue with regular virtual sessions to complement in-person sessions and to reach people in remote and regional areas and share the great work happening in SA.

# KESAB LITTER INDEX

*For more than twenty years the KESAB Litter Index has collected important litter information in South Australia. Monitoring is conducted in May and November each year, with the May count used as the benchmark for annual Litter Index KPI's.*

Data includes type and location of litter items, and measurements includes count and volume of items. Over time KESAB has added different litter types to these counts. The litter count has resulted in a comprehensive longitudinal data set, which provides a deep understanding of litter and an ability to measure the effects of policy decisions, as well as littering trends and changing consumer behaviours. Information is used to inform targeted community education and awareness campaigns, as well as KESAB's discussions with policy makers and industry.

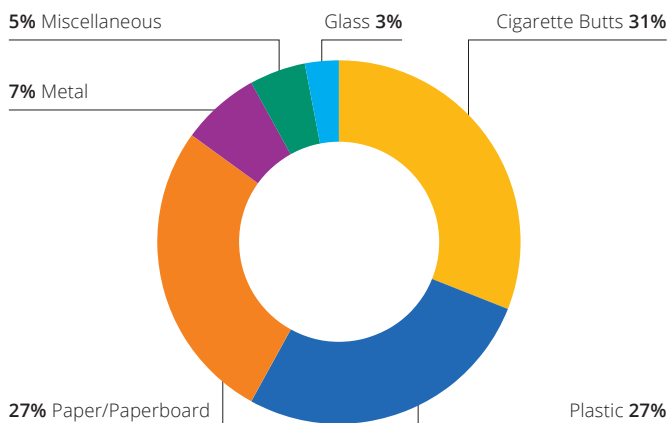
## Litter Index Overview (May 2019 - May 2020)

A total of 6,212 litter items were counted across the 151 South Australian sites during Wave 79 (May 2020). This figure is lower than the November 2019 (Wave 78) count of 8,205 items, and is also below 6,918 items counted the same time last year, May 2019 (Wave 77). This reflects a general pleasing downward trend in litter over time, as well as seasonal variations.

Cigarette butts again remained the main contributor, in terms of raw numbers of items collected (1,946 items), which is a reduction of 13% from the November 2019 wave and a reduction from the May 2019 butt count (2,209).

Plastics and paper/paperboard contributed jointly to around 54% of total proportion of litter by volume.

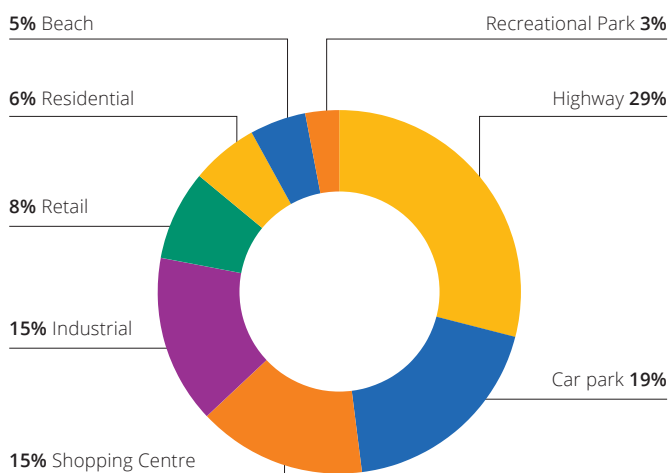
### ITEMS AS PROPORTIONS OF TOTAL BY MATERIAL TYPE



The impact of convenience and take away consumer products in the plastic litter stream is reflected by the largest increase in numbers of cups and takeaway containers, as well as the continuing representation of plastic straws. It will be most interesting to see the effect of the SA state government's incremental bans on single use plastics come over time.

When looking at location of litter, COVID-19 shutdowns may have affected litter volumes in car parks. There was a reduction from the November 2019 wave possibly because people did not commute as much and this will continue to be assessed going forward. Otherwise COVID-19 did not appear to affect the continued trends and highway/roadside litter continues to represent the largest proportion of litter collected.

### PROPORTION OF TOTAL LITTER ITEMS COUNTED WITHIN SITE TYPE

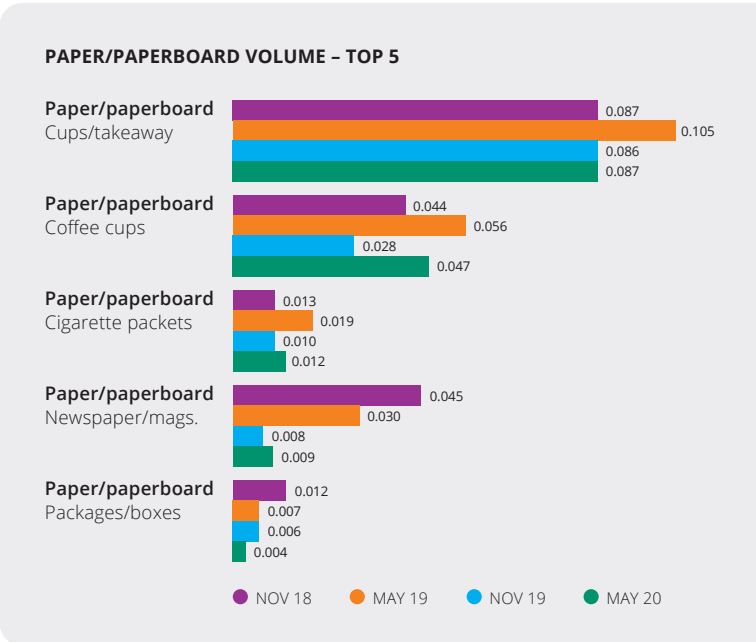
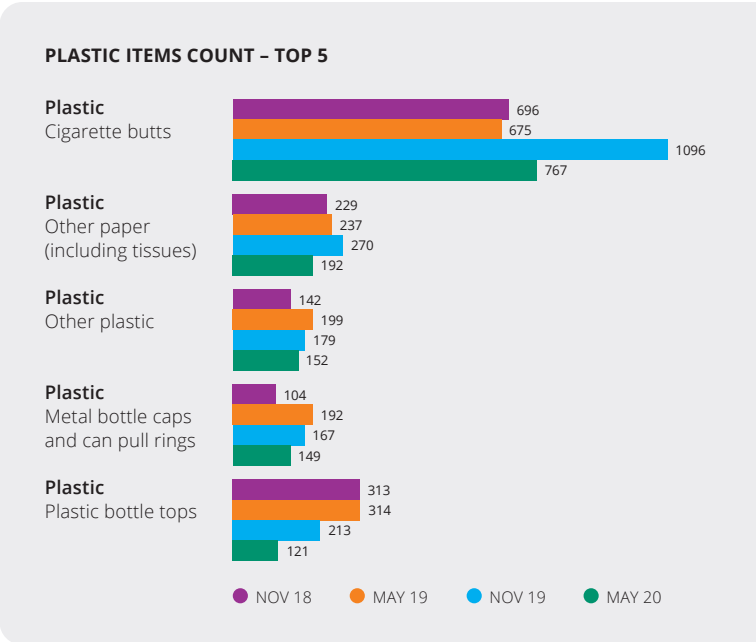
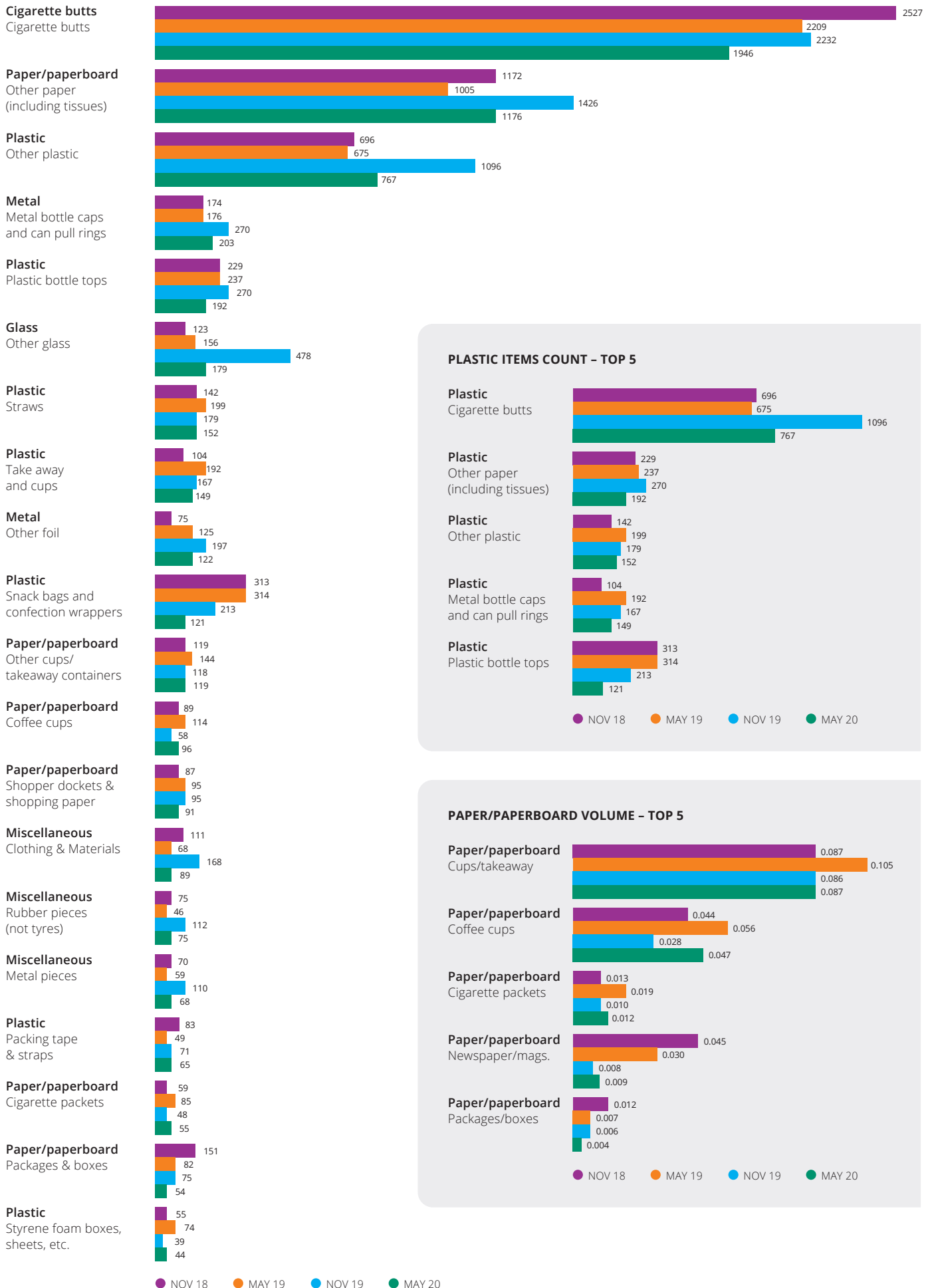


## Branded Litter Study

The Branded Litter Study (BLS) is a KABN initiative underscoring the Litter Index and was observed and recorded in the May and November NLI counts. BLS is again not reported in 2019-2020 although the data has been archived for future access and analysis.

The full wave 79 May 2020 Report is available at: [www.kesab.asn.au](http://www.kesab.asn.au)

**TOP 20 CATEGORIES – HIGHEST COUNTS**



## WHICH BIN



### Which Bin Hotline and Email Support

KESAB continued to manage the 'Which Bin' hotline and email support system on behalf of Green Industries SA during 2019-2020.

This information service remains a critical part of the 'Which Bin' campaign, allowing consumers to obtain up-to-date and relevant information about how to manage their waste and recycling.

Following the successful launch of a 'Which Bin' campaign in May 2019 (TV commercials, radio advertisements, social media and printed promotion), KESAB responded to 788 calls to the hotline, a 50% increase on 2018. 146 emails were responded to over the July/December 2019 period and Green Industries SA commenced responding to email enquiries from January 2020.

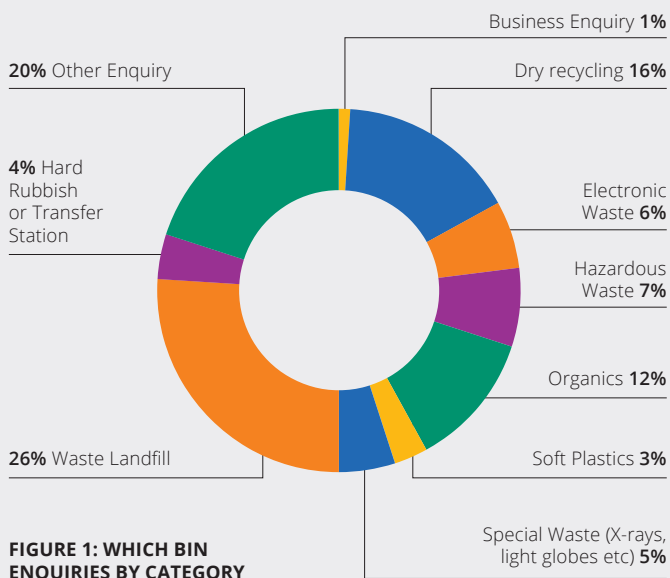


FIGURE 1: WHICH BIN ENQUIRIES BY CATEGORY

Figure 1 shows enquiries received for the period 2019–2020 by category of question received. The household 3-bin system accounted for just over half of all calls and emails (54%). KESAB's responses through the 'Which Bin' hotline have prevented many items being disposed of incorrectly and contaminating valuable recycling and organics streams.

A number of SA Councils made great use of the 'Which Bin' campaign by adopting the branding to support their own messaging and promoting the 'Which Bin' hotline on their information materials for residents.

## KESAB WASTE EDUCATION PARTNERSHIPS

*Each year KESAB works closely with South Australian industry and local governments to support, develop, and deliver quality waste and recycling education programs and strategies to achieve waste management reduction objectives.*

### INDUSTRY CLIENTS – WASTE AUDITS AND ASSESSMENTS

KESAB continued its work with the Commercial Retail Group (Frewville and Pasadena Foodlands) to achieve waste reduction targets across their stores.

Waste audits were also undertaken for Port Augusta City, Light Regional and The Barossa Councils.

### COUNCIL PARTNERSHIPS

KESAB formed ongoing partnerships with eleven local councils in South Australia, including the City of Unley, City of Tea Tree Gully, Port Pirie Regional Council, City of Charles Sturt, and all councils serviced by the East Waste Management Authority in South Australia.

Programs, developed for councils' education sites, businesses and the general community were delivered by KESAB's experienced and skilled education staff, enhancing the community's awareness and understanding of best waste and recycling practices.

### ONE ON ONE SCHOOL SUPPORT

KESAB works closely (one on one) with schools to provide a complete education and programs package to minimise waste to landfill and to gather valuable data.

Over the past year, St Thomas School, Highgate School, and Clarence Park Community Kindergarten benefitted from this one-on-one support, with a bin materials audit and follow-up assembly and staff meeting presentations. KESAB also provides additional programs, including the popular Beeswax Wrap and Papermaking incursions.

Outcomes of this additional support to these schools included new bin systems, increased organics separation and regular Nude Food days.

### SCHOOL INCURSIONS AND EXCURSIONS

KESAB staff delivered 67 incursions to more than 1,600 students at education sites through council partnerships. These council subsidised incursions make it possible for education sites to access KESAB's resources and knowledge. Recycle Relays were the most booked incursion, followed by beeswax wraps, papermaking and compost/worm farm incursions.



Until the forced closures due to COVID-19, ninety-five excursions were delivered across our Wingfield and Statewide Education centres, reaching 2,636 students from metropolitan and regional South Australia, ranging from year 2 to university age. A new education centre, built with a partnership between KESAB and IWS, is due to open in early 2021.

### Community Tours and Other Activities - KESAB online workshops, tutorials, virtual tours and more!

The KESAB Waste Education team stepped up to the challenges of COVID-19 by shifting entirely to online delivery using the virtual platform 'Zoom'.

Between April and June 2020, KESAB delivered 42 virtual sessions to the South Australian community with more than 2,000 registrations and 999 attendees.

These sessions were provided on behalf of our partnering councils and included 'Which Bin' and waste awareness presentations, virtual tours, and tutorials for hands-on activities such as beeswax wrap making, cooking with food scraps, composting and worm farming, and DIY cleaning and health-care products.

KESAB would like to thank the individuals and local businesses who made these sessions possible, particularly the virtual tours; Ryan Lokan and Angela Haydon (APR), Robbie Westley (Replas), Paul Bullus (ERA), Scott Morton (BioBag), Penelope Morrison (NAWMA), Jamaika Iglesias (IWS), Matthew Croft and Ben Randall-Smith (Jeffries), John Hogarth (Peats Soil & Garden Supplies), Luke Edwards (Airdale Primary School), and Mark Darling and Chris Davey from the Port Pirie Regional Council.



## Waste and Recycling Presentations and Displays

### BEYOND THE KERB TOURS

Prior to COVID-19 restrictions, Port Pirie Regional Council residents benefitted from their first KESAB delivered Beyond the Kerb waste and recycling tour. Residents had a guided tour of the Port Pirie Waste Transfer Station and visited the local community garden to speak with gardening experts about making valuable compost out of food scraps instead of sending it to landfill.

Beyond the Kerb bus tours were also conducted for residents of East Waste and the City of Tea Tree Gully, with additional private tours for the City of Unley elected members, Port Adelaide Church and the Campbelltown Proboscis Club. Sites visited on these tours included IWS, Cleanaway, Jeffries, Adelaide Resource Recovery, Statewide Recycling and Electronic Recycling Australia.

### CIRCULAR ECONOMY TOURS

Residents from the City of Adelaide, East Waste councils and the City of Port Adelaide Enfield attended circular economy bus tours and visited local businesses working to 'close the loop' with waste. Sites included Advanced Plastics Recycling, Replas, Electronic Recycling Australia, VISY, Jeffries and Statewide. Feedback for these tours was very positive and tours will recommence as soon as possible.

"Credit to the Council and KESAB for facilitating this for the community, must be one of the best ways to educate people" Anonymous

### COMMUNITY WORKSHOPS

Nineteen community in-person workshops and presentations were delivered to 500 residents and community group members in East Waste councils, and the Cities of Tea Tree Gully, Charles Sturt, Unley, Marion and Port Adelaide Enfield. 'Which Bin' presentations and beeswax wrap making workshops were particularly popular.







### WASTE AWARENESS CAMPAIGN

The City of Tea Tree Gully ramped up its Waste Awareness campaign to ensure valuable waste and recycling information was delivered to residents. Among other activities, KESAB staff attended movie nights at Civic Park, handing out monster-themed promotional material and waste and recycling information booklets. Residents were impressed with the council's level of engagement and for providing an opportunity to speak with KESAB staff about their waste, recycling, and council services.

### Zero Waste Events

#### UNLEY GOURMET GALA

The Unley Gourmet Gala was again held in 2019-2020 with attendance of around 20,000 people.

The KESAB Waste Education team supported council and all key stakeholders in the lead up to, and on the evening of the event. This included provision of support to vendors regarding purchase/use of compost ware, monitoring of vendor compliance at the event and information provision and education to council's volunteer 'Waste Warriors' – who acted as bin buddies assisting the public to correctly use bins at the event.

KESAB provided bins for the event and monitored bin use and behaviour. Data on volume and contamination from the waste streams was collected at the end of the event, showing 65% of the total waste collected was organic (including food waste, serviettes and compostable ware), 20% was CDL drink containers, 4% soft plastics and just 11% was sent to landfill.



## KESAB EDUCATION CENTRES

### Wingfield Education Centre

The Wingfield Education Centre hosted at, and supported by, Adelaide Resource Recovery is part of the Wingfield Waste and Recycling Centre. It has been part of an iconic go-to waste and recycling excursion for more than 15,000 students, teachers, and parent helpers since 2011. The Centre has also provided a professional development facility for local community members, as well as interstate and international visitors wishing to learn more about the best waste and recycling practices.

*The activities in the Wingfield Education Centre and tour of waste and recycling facilities complement and can be linked to Australian Curriculum sustainability focussed learnings.*

COVID-19 restrictions resulted in a reduced attendance for the full financial year, however more than 2,436 students accompanied by over 300 teachers, parents and helpers took part in the excursions before the centre was closed for public safety.

"I've been bringing senior students to Wingfield for three years now. Each time the students come away surprised, impressed and glad they got to see the other side of waste. We are very grateful for the opportunity to visit Wingfield. The more people who are able to see this place, the greater impact we will have in our war on waste". Year 11 Teacher

"The guides were pleasant, passionate and informative, and all activities and discussions backed up what we had been learning about over the last several months. Student feedback was positive and parent helpers also found it interesting and informative". Year 2 Teacher

### Statewide Recycling Education Centre

Statewide Recycling, Australia's leading container deposit recycler, opened its doors to students and the community as part of an ongoing commitment to provide waste and recycling learning opportunities.

Facilitated by KESAB staff, attendees observe how bottles, cans and cartons are processed and participate in activities in the education centre.

Education activities focus on the effectiveness of container deposit legislation in South Australia and how it reduces litter and contributes to sustainability. Students also learn about the 10c recycling process, types of natural resources used to make bottles, cans and cartons, and they see the 1000's of bottles, cans and cartons sorted and bailed at Statewide each day.

Over the past year, 27 classes and 761 students visited the Statewide Education Centre facility.

## SCHOOL WASTE AND RECYCLING EDUCATION RESOURCE

The KESAB Waste Education team, in collaboration with Kid's Media, developed 'Let's be Waste Warriors!' a new school waste and recycling education resource.

*The resource includes a selection of Australian curriculum-aligned lesson ideas with accompanying activity sheets relating to the topic of waste and recycling. They are written for lower primary and primary students but can easily be modified to suit other year levels.*

The resource has been distributed to education sites in supporting councils including Port Pirie Regional Council, the City of Unley and all councils serviced by the East Waste Management Authority in South Australia.

Feedback has been very positive with teachers praising the breakdown of lesson ideas, activity sheets and relatability to what educators are trying to achieve at their site and home.



## NRM EDUCATION (REBRANDED GREEN ADELAIDE IN JUNE 2020)

*The NRM Education program is funded by the Adelaide and Mount Lofty Ranges Natural Resources Management Board (AMLR NRM Board) with a vision of seeing all schools and preschools working with their communities to develop the knowledge, skills and values to live sustainably.*

The partnership NRM Education (Central Adelaide) has with its host, KESAB, is invaluable to the NRM Education Team whose primary role is to facilitate culture change in preschools, schools and the tertiary sector.

Having access to knowledge and information around the latest in waste education continued to be a strong value add in 2019-2020, enabling both the NRM Education and the waste education teams to better support schools and preschools, improving outcomes for each program.



The 2019/20 NRM Education (Central Adelaide) team.

### NRM EDUCATION (CENTRAL ADELAIDE) FAST FACTS

- 166 schools and preschools engaged with NRM Education, 132 of these are registered with the Australian Sustainable Schools Initiative in South Australia (AuSSI-SA). A total of 2,442 students, children, staff and parents were directly involved in activities.
- 23 schools and preschools documented sustainability initiatives in their School/Site Environment Management Plan (SEMP).
- Nine teacher training events; 116 educators from 42 schools and preschools attended.
- 22 sites in the central Adelaide region received NRM school action grants. Sites supported by education officers with the application and planning process including the opportunity to attend a grant writing workshop.
- 49 new resources developed, including ID charts, case studies, newsletter articles: embedding EfS, flora and fauna features.
- 11 community talks and field days held, including supporting the opening of Glenthorne National Park and workshops about local frogs to promote the Frogspotter App – an initiative that allows citizens to become the scientists. These activities had a reach of over 1,810 members of the community.
- Six Youth Environment Council (YEC) of South Australia events coordinated and facilitated – including 2019 Central Adelaide Regional Events, Sharing and Celebration Forum. YEC events for 2020 were run online due to COVID-19 restrictions (YEC Mentor Day, Members monthly catchups)
- 70 reports from 28 schools on progress towards embedding Education for Sustainability.

### KEY PARTNERSHIPS AND EVENTS

Partnerships are a key ingredient to success. The NRM Education program worked in partnership with local government, non-government organisations (NGOs), businesses and State Government departments on projects that have increased the support and resources available to schools and preschools in order to learn with their communities about living more sustainably.

Over the last 12 months, NRM Education (Central Adelaide) staff worked with 10 partner organisations on a range of activities, some of which are outlined on the following pages.





Staff supported FrogWatch SA through numerous media stories, including an interview with the Aussie Wildlife Show podcast.

## FrogWatch SA

**NRM Education (Central Adelaide) staff have continued to support the FrogWatch SA program.**

During the 2019/20 financial year, a total of 489 surveys were submitted by 108 different participants and analysed by NRM Education (Central Adelaide) staff. Recordings were submitted throughout South Australia, including surveys from the South East; Eyre Peninsula; SA Murray Darling Basin; Adelaide and Mount Lofty Ranges; Flinders Ranges; and Kangaroo Island.

Seventeen different frog species or call races were detected, including the vulnerable Southern Bell Frog, as well as Bibron’s Toadlet and the Smooth Frog, both of which are considered rare. As in previous years, recordings were again made of the Spotted-thighed Frog on Eyre Peninsula; a Western Australian species that has become established in some wetland areas in Streaky Bay.

Just like last year, most surveys were made in and around the metropolitan area and major regional centres. Over half of the surveys included the Common Froglet. This species, as the name indicates, has a wide distribution, and tolerates urbanisation; being found in all habitats surveyed.

The other commonly recorded species – Spotted Marsh Frog, Eastern Banjo Frog, Brown Tree Frog – also regularly inhabit artificial environments such as ponds, dams, and constructed wetlands.

In addition to the analysis of surveys, NRM Education (Central Adelaide) staff supported FrogWatch SA through numerous outlets, including a Nature Play event at Felixstow Reserve, school holidays program at the SA Museum, Citizen Science workshop at Port Adelaide for the City of Port Adelaide Enfield, and a workshop for Earth and Environmental Sciences educators.

Presentations were also made at several community and special interest groups, including a National Science Week talk at Cleland Wildlife Park, talks to College Park Scouts, the Burnside Urban Foresters, and the Urrbrae High School environment group.

Staff also recorded a podcast with the Aussie Wildlife Show and, to adapt to COVID-19 restrictions, presented a socially distancing zoom session for One Tree Hill Scouts!

## OPAL food garden PD partnership

Over the last year the Cities of West Torrens, Holdfast Bay and Marion have continued their relationship with NRM Education in putting together a series of three free workshops for all schools and early learning centres.

The workshops have taken educators through creating, managing and growing school gardens, as well as linking these activities to the curriculum.

The third and final session for 2019 focused on fruit tree pruning, with a tour of Blackwood Primary School's garden, how to link that to the curriculum, pruning tips and tricks with Steven Hoepfner, and hands-on activities.

Unfortunately, due to COVID-19 restrictions, the workshops planned for term 1 and term 2 2020 had to be cancelled. Plans for continuing these workshops after COVID-19 restrictions were lifted are underway.

### Brown Hill Creek Association

As part of the Brown Hill Creek Association partnership, staff attended the Tom Price Plaque Unveiling Ceremony at Brownhill Creek Recreation Park. The event was planned and run by the Brownhill Creek Education and Revegetation Committee of which we are a part. Tom Price, who was the first Labor premier in SA, introduced social reforms which led to free secondary schooling and helped set up SA Tourism board. He was involved in Mitcham Council and planted the first tree at Brownhill Creek Recreation Park.

*The official unveiling was done by the Premier Steven Marshall MP, with students from Scotch College, Mercedes College, Urrbrae Agricultural High School and Unley High School also speaking at the ceremony.*

Other guests attending the event included: Kaurna elders Uncle Jeffrey Newchurch and Auntie Lynette Crocker, various Members of Parliament, members of the AMLR NRM Board and more.

As a result of COVID-19 restrictions, some events that were planned by the group for early in 2020 have been postponed.



The Tom Price Plaque Unveiling Ceremony at Brownhill Creek Recreation Park.

### Our Big Backyard

The Our Big Backyard (OBBY) project is being replicated in West Torrens and is driven by several organisations – the City of West Torrens, Cowandilla Children's Centre, Lockleys Children's Centre and NRM Education. Staff in these organisations have built strong relationships through working together on multiple previous projects, and it is these relationships that provide a strong foundation for OBBY.

The OBBY project aims to support and encourage children and families to spend more time discovering and playing in outdoor, natural spaces in their local community. Starting in September 2018, the West Torrens OBBY project will run for around two years, with a launch of the resources in October 2020. Several resources will be created to support this – a map that showcases local outdoor spaces where children and families can engage with nature, and activity sheets with ideas for how to engage in nature play while also caring for the natural environment. The final map will only cover a small part of West Torrens – the suburbs of Brooklyn Park, Cowandilla, Hilton, Lockleys, Mile End, Torrensville and Underdale – chosen based on AECD and ABS data as well as local knowledge.

The locations for the map and ideas for the activities will come from consultation with local children and families, through school and kindy consultations, as well as through school holiday activities and other events. To date, the team has held consultations at Lockleys and Lockleys North Primary Schools, Lockleys Children's Centre, Torrensville Primary School, Torrensville Preschool, Cowandilla Primary School, Cowandilla Kindy and Torrensville Childcare Centre, and several community events.

Throughout the consultation process several schools have joined the project team and have also allowed students to participate. Students from Lockleys North Primary School, Wipe Out Waste Student Sustainability Committee at Torrensville Primary School and the Climate Change group at Cowandilla Primary School have all contributed to the OBBY project. Students have provided feedback on the survey, attended meetings, created an online version of the survey for their school and provided feedback on the results. Early this year the data was collated and analysed, with resource design to begin mid-2020.

Facebook and Instagram pages have been created to promote the project across the community.

Instagram: [ourbigbackyardwesttorrens](https://www.instagram.com/ourbigbackyardwesttorrens)

Facebook: [@ourbigbackyardwt](https://www.facebook.com/ourbigbackyardwt)



The locations for the OBBY West Torrens map and ideas for the activities will come from consultation with local children and families.





A YEC meeting was held at Sturt Gorge, where students, parents and siblings attended and took part in a range of activities including weed identification, boneseed removal and a tour of the creek restoration site.

## Youth Environment Council

***As part of the 2019 Youth Environment Council (YEC), members in the Central Adelaide and Mount Lofty Ranges region identified local Landcare activities and native flora and fauna as areas of special interest. In response to this, NRM Education organised for them to meet with local Landcare groups and learn about their work.***

The first meeting was attended by nine students, who travelled by minibus to visit various locations in Upper Sturt and Belair. The morning was spent with volunteers from the Friends of Sturt Gorge, who led a tour of the Renwick Street riparian restoration site, showcased a range of mapping tools used by volunteers to track wildlife sightings and on-ground works, and invited students to take part in hands-on removal of introduced olive trees. In the afternoon students met with the Friends of Sturt Upper Reaches. They visited various areas the group has been tending, learnt about the work of the younger Bush Buddies group, and about local native and pest plants. They were also shown useful local flora and fauna resources they can explore further.

A second meeting was held on a weekend at Sturt Gorge, where three students, along with parents and siblings (pictured), attended and took part in a range of activities including weed identification, boneseed removal and a tour of the creek restoration site, led by two members of the Friends of Sturt Gorge. They also heard about European and geological history of the area and visited the flood mitigation dam and an area of grey box grassy woodland.

The 2019 YEC program ended with a Sharing and Celebration Forum, which provided an opportunity for students to celebrate their involvement in the YEC. The Minister for Environment and Water, the Honourable David Speirs attended the ceremony, paying tribute to

the contribution that YEC members are playing in their communities and he presented each student with a Certificate of Achievement.

Students also showcased their projects to their peers, schoolteachers, parents, the Minister, and the Presiding Member of the Adelaide and Mt Lofty Ranges Natural Resources Management Board. This year there was a broad cross section of projects, including habitat restoration and garden development; nest box construction for local native wildlife; creation of student sustainability groups at numerous schools; community events and training for younger students; improved school waste management systems; and research and awareness raising around a range of issues.

There were also several unique and creative projects; one student introduced keep cups across their entire college, while another organised AUSMAP training on micro plastics for the wider school community, and one created a puppet show and children's book which she toured around local primary schools to teach about sustainable behaviour change.

The very first event for YEC 2020 was a Mentor Training day in April. Due to COVID-19 restrictions, this was run as an online meeting, where the seven Mentors were able to meet each other and some of the YEC staff. The session aimed to further develop the Mentors' self-confidence, leadership, public speaking, and group work skills. They will support the other members of the YEC, acting as supportive role models, as well as delivering activities to help them bond into effective groups during the year.

On World Environment Day (June 5) YEC members gained access to our new online platform. This padlet allows them to connect with, share and support each other for the rest of this year. Moving the council to include more of an online interaction means that the 60 students from across the state can come together (virtually) throughout the year to represent their school, region, and the state's youth on environmental topics.

The YEC students will be supported through padlet and regular Zoom online meetings to develop skills to run their own environmental action projects in their local community.

## Student Action Forums

In November, students and teachers from five schools came together for the Student Action Forum bus tour to showcase what sustainability initiatives they've been working on over 2019. The group visited Torrensville Primary School, St Raphael's School at Parkside and West Beach Primary School, with St Pius X School and Pennington School R-7 also sharing their stories.

Year 2 students at Torrensville Primary School learnt how to use a sewing machine to create produce bags out of old net curtain material. The school is aiming to make these bags available to families next year as a fundraiser. The students also don capes to become Sustainability Superheroes to keep the school litter free at recess and lunch breaks. Older students from their WOW student voice group have been promoting plastic-free alternatives in the school newsletter.

Pennington students explained to the group how they've been tackling waste at their school and showed examples of some of the stickers and signage they've designed to help their fellow students use the right bin.

***At St Raphael's School we were shown the newly created frog pond and biodiversity garden, which was funded by an NRM School Environment Grant. They also showed us the work that has been undertaken to prepare for the chickens they'll be keeping on site.***

At West Beach Primary School we saw some of the outdoor learning environments that have been developed over the years, as well as finding out how the student leadership team makes decisions and influences teachers, students and the wider school community.

St Pius X spoke about their roles in supporting sustainability initiatives. Specific tasks such as maintaining the compost bins and worm farms are allocated to each year level.

The bus tour was a great success, with everybody leaving energised and with some great ideas for things to incorporate at their site. We hope to run similar events again once COVID-19 restrictions have passed. In the meantime, the team has taken the SAFs to the online space, so sites still have the opportunity to share with and learn from others.



*At St Raphael's School we were shown the newly created frog pond and biodiversity garden, which was funded by an NRM School Environment Grant.*

## RoundMe

Morialta Conservation Park is the latest park to be made into a virtual tour, providing teachers with a resource to assist with outdoor learning. It can be used before and after visiting Morialta Conservation Park and even be used by students in the classroom or at home.

This virtual tour contains several activity stops based around learning concepts tied back to the curriculum. Begin at 'Start and Resources' and from there click on a portal (shaped like a teardrop) or image at the bottom of the screen to go to each activity stop.

The tour contains information about plants, animals, learning ideas and links to additional educational resources – click on each 'hotspot' as indicated by the letter 'i' in a white circle.

An overview map of the tour can also be accessed at any time as indicated by a compass icon. This is a great way to know where you are within the tour.

With many schools being closed and students learning from home, now is the perfect time to access the virtual tours. Check out the tours on our Roundme page.



*This virtual tour contains several activity stops based around learning concepts tied back to the curriculum.*



## Climate change factsheets

Several factsheets for teachers have been created, highlighting key links between climate change and other sustainability topics (including waste, water, energy, transport, and food production). The waste and climate change resource was made with assistance of KESAB – Wipe Out Waste, the Department for Environment and Water – Climate Applications Coordinator.

Waste related emissions are responsible for 2% of Australia's GHG emissions, contributing the equivalent of 12.6 million tonnes of CO<sub>2</sub> (CO<sub>2</sub>-e) in 2017. While recycling prevents raw material extraction and transport-related GHG emissions, reducing unnecessary consumption and preventing waste generation at the source are the most effective waste reduction strategies.



Several factsheets for teachers, have been created highlighting key links between climate change and other sustainability topics.

## Grey headed flying fox factsheet

**Grey-headed Flying-foxes are a nationally threatened species and an iconic 'refugee' in Adelaide. Flying-foxes can be a great starting point for exploring issues around conservation, adaptation, climate change, horticulture, STEM, public health, media, cultural beliefs and more.**

The NRM Education team has produced a new Grey-headed Flying-fox and bat learning factsheet that contains a compilation of flying-fox and bat resources and inquiry questions you may like to explore with your students.

It was developed in collaboration with the City of Adelaide, who ran a series of events to help educate the community about the species' importance in our local ecosystems. There is also a self-guided Bat Trail along the banks of the River Torrens/Karrawirra Parri with a free activity booklet. You can follow the orange bat tree tags along the trail.



Flying-foxes can be a great starting point for exploring issues around conservation, adaptation, climate change, horticulture, STEM, public health, media, cultural beliefs and more.



*St Michael's College has been on a journey with students, staff and families all playing a role in the development of a nature play space.*

## St Michael's case study

***Over the past five years, St Michael's College has been on a journey with students, staff and families all playing a role in the development of a nature play space.***

This long-term plan involved consultation with other schools, community groups, industries, and businesses to inform the development and creation of a space that would be the best fit for their students and school community.

Some of the significant steps included:

- Supporting teachers to work collaboratively to link development of the nature playground to learning and teaching for sustainability by running two development days with NRM Education (in 2013 and 2015). All staff fed into their School Environment Management Plan and mapped curriculum links with Education for Sustainability.
- Supporting staff to attend other relevant workshops, conferences, and expos and to share the resources and what they had learned with staff, students and families.
- Engaging Simon Hutchinson, nature playground builder from Climbing Tree, to run a parent wellbeing workshop on Childhood Play (2016).

- Visiting other schools that had developed natural play areas and outdoor classrooms.
- Simon Hutchinson ran workshops with the Youth Environmental Leaders (YELs) and key educators to create a concept plan for the playground. The YELs presented ideas to classes in order to shape the final product. A key insight they gained was not to ask students what they wanted in the space, but rather what they wanted to be able to do there. Some of the main responses included to climb; balance; slide; hide; spin; roll; plan; imagine; run; relax; discover; role play; fly; create.

The YELs and their mentor, Damian Basso, were extremely pleased with the final concept; all ideas had been incorporated to produce a design that was truly reflective of what they all wanted to achieve.

This shows what becomes possible when: 1) there is visionary leadership and school management; 2) an idea or project is supported through the curriculum and pedagogy; and 3) staff, students and parents collaborate, form partnerships and create networks to carry it through.

These three interdependent ingredients are key to the implementation and success of Education for Sustainability in a school community. By engaging students, staff, parents and the community beyond the school gate, and recognising that change takes time, great things have been possible.

At the end of the 2019-2020 financial year the NRM Board was renamed "Green Adelaide".



## LITTER LESS IN THE SOUTH AUSTRALIAN COMMUNITY

*KESAB's Litter Less program, delivered in schools and at the Marine Discovery Centre, focusses on awareness, understanding and actioning of littering issues at school and in the community.*

KESAB delivered 11 Litter Less incursions and presentations to more than 400 year 3, 4 and 5 students, teachers and parents from councils including the cities of Unley, Salisbury, Norwood Payneham and St Peter's, Tea Tree Gully, Onkaparinga and the Town of Gawler over the 2019-2020 financial year.

KESAB also delivered a series of online webinars covering topics from virtual waste and recycling tours to making beeswax wraps or DIY cleaning and personal care products, each with an underlying theme; reduce plastic and litter too.

The KESAB events page hosts a link to the Litter Less Microsite and more than 2,100 members of the public visited the page over a three month period. Forty-two webinars were delivered, attended by 999 participants.

The Litter Less Microsite had 5,866-page views over 12 months, with the Unit of Work, Real World Cards and the Larry Litter Story proving to be the most popular pages to visit for litter education. The microsite can be accessed at: <http://www.kesab.asn.au/litterless/about-litter-less/>

The Litter Less package is a valuable educational resource developed with the support of Mars Wrigley Confectionery.





## SUSTAINABLE COMMUNITIES 2019

*Mount Gambier was crowned the 2019 KESAB Sustainable Communities winner. The three other finalists in South Australia were Whyalla, Streaky Bay and Kimba.*

KESAB commends all finalists in this year's awards. It was evident the commitment, spirit, hard work and cohesiveness of the community makes Mount Gambier a shining example of sustainable communities.

Examples of projects/programs that have been implemented in Mount Gambier include;

- Recycle runway
- Initiatives in schools to tackle waste
- Volunteer work in the Valley Lakes Conservation Park
- ReUse Market.

Mount Gambier will enter the national tidy towns program with the winner to be announced in a delayed and online ceremony in October 2020. COVID-19 postponed the event from March 2020.

Congratulations to all South Australian entrants.



## INDUSTRY PARTNERSHIPS

*KESAB partners with industry to support them with their key messages and/or diversion of waste from landfill.*

### SIMS METAL

Sims Metal's ongoing key partnership with KESAB delivered an education website on metal processing, as well as a monthly newsletter. The first education session was delivered to schools this year focussing on types of metals and what they are recycled into. The sessions have been successful and demand will continue in 2020-2021. KESAB plans to support Sims Metal by undertaking on-site tours in the near future.

### ADELAIDE'S FINEST SUPERMARKETS (AFS)

KESAB entered into its partnership with Frewille and Pasadena Foodlands after an initial bin audit of Frewille's back of house and in-store department bins, the development of a waste management plan and a training document.

The MOU brings together two iconic South Australian brands and over the life of the project KESAB will support AFS with reduced packaging concepts, alternative packaging concepts and education/training for staff, all underpinned with waste measurement and assessment.

### ENDEAVOR DRINKS GROUP

In 2019 waste and recycling performance assessments were undertaken for Endeavour Drinks Group (EDG) across 10 BWS and Dan Murphy's retail drinks stores in South Australia. The objective of the assessments was to identify potential waste management initiatives that could:

- improve the waste and recycling performance in these stores
- be applied to operations of other BWS and Dan Murphy's stores across Australia and drinks suppliers so EDG's business operations can become:
  - more resource efficient
  - minimise or avoid waste generation
  - send less waste to landfill (in line with the 'Waste Hierarchy')
  - achieve greater circularisation of materials (through 'Circular Economy' principles).

## SA WATER - SOURCE TO TAP



***KESAB continued its partnership with SA Water to deliver water sustainability and water quality messages in remote aboriginal communities.***

The key focus of the 2019-2020 contract was to deliver education on the Anangu Pitjantjatjara Yankunytjatjara (APY) Lands and remote communities in the Far West Coast.

Activities included water testing at a waterhole (pH and turbidity); a visit to a water treatment facility and a hands-on experience acting out the water cycle.

The visit to the APY Lands happened in conjunction with the launch of the Amata oval, which is being watered by recycled water. Amata Oval is the first football oval on the APY Lands with grass.

For the first time, KESAB also visited the Yalata, Ceduna, Central Yorke School and Carlton communities in the far west which benefited from the KESAB/SA water programs.

KESAB also continued to update the microsite to support teachers with lesson ideas and new resources. The website [www.kesab.asn.au/apyl](http://www.kesab.asn.au/apyl) was updated in June 2020.



## CLEAN SITE - CONNECTING CONSTRUCTION SITES

*KESAB's Clean Site® program continued to provide relevant industry training developed in partnership with the Construction Industry Training Board (CITB), Adelaide and Mount Lofty Ranges Natural Resources Management Board, government agencies, industry associations, leading sustainable construction company, Woolcock Construction, and the general building and construction industry.*

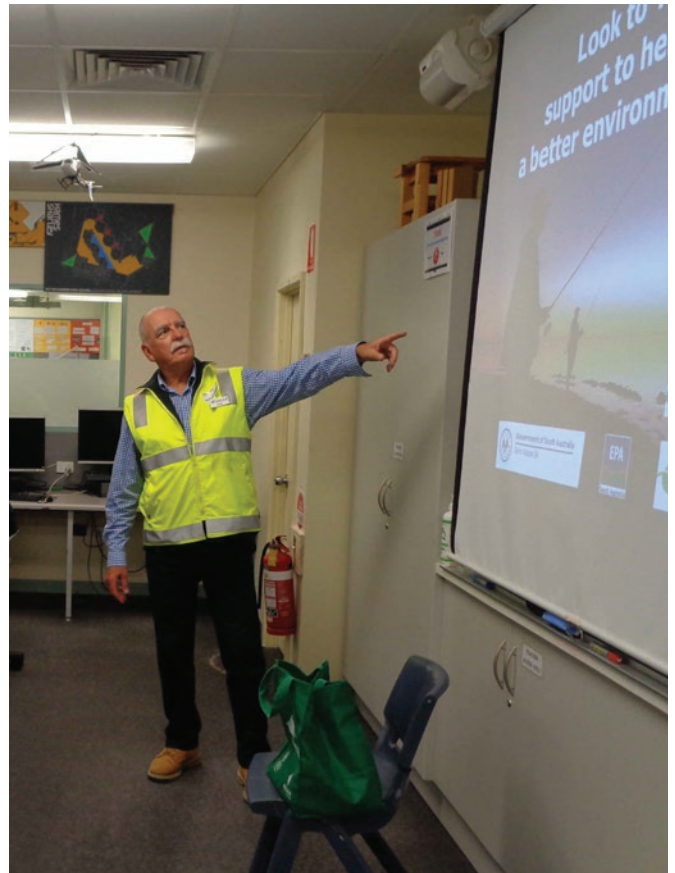
Training focused on EPA legislation with regulations and codes of practice for stormwater pollution prevention, as well as local government provisions. Training delivery involved environmental toolbox inductions with a focus on connecting with a state-wide network of high school students through the CITB's Doorways2Construction program.

Training and education is provided in a school environment and supported with onsite practical experience delivered with resources developed by key stakeholders and reviewed and upgraded to meet environmental sustainability and changes in legislation.

The Clean Site® program provides opportunities to encourage waste avoidance and reduction and diversion from landfill, preventing stormwater pollution and ensuring compliance with relevant environmental regulations.

The Doorways2Construction program was delivered to almost 500 participants from trade training centres and high schools during a COVID-19 interrupted school year.

Environmental toolbox delivery was also undertaken to the University SA's School of Natural and Built Environment Sustainable Construction classes, with approx 90 future construction managers, building surveyors and estimators being trained utilising a case study approach to best onsite environmental practice.



KESAB's partnership with Woolcock Construction on the state's first 10 Star SUHO project at Woodforde commenced in early 2019. KESAB's role has been to conduct Clean Site® environmental toolboxes for contractors involved in construction, together with waste and recycling figures being monitored in partnership with waste manager, Kartaway. The resulting recycling figures for waste generated were exceptional with over 95% of all material generated onsite being recycled.

Clean Site® continues to provide effective, direct and practical methods for trade and management students entering the construction industry. This entitles them to comply with environmental legislation to reduce impacts on the environment by minimising waste onsite, recovering resources, being exposed to the principles of the Circular Economy and protecting stormwater systems for a sustainable future.



## ROAD WATCH - ADOPT A ROAD

*Road Watch is funded through a KESAB - Department of Planning, Transport and Infrastructure Partnership.*

2019-2020 was another successful year for the Road Watch program. Challenging environmental discord in South Australian communities, the Road Watch volunteers fight against litter left on SA roadsides. With an 9.9% increase in participants over the period, the program demonstrates the desire of the South Australian community to connect with their local environment.

### NEWSLETTER

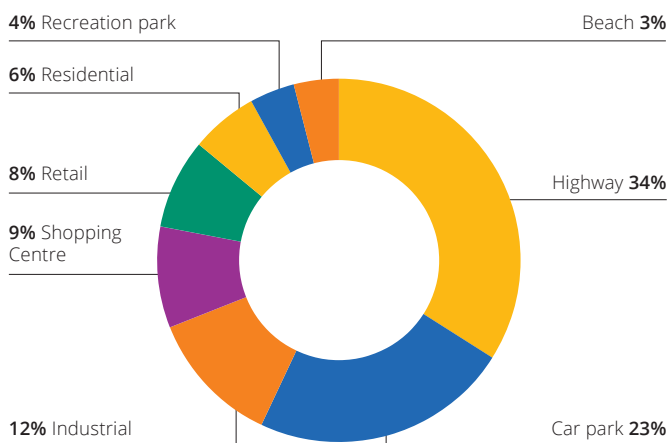
Four Road Watch newsletters sharing the volunteers' work were produced and all are available on the KESAB website ([www.kesab.asn.au/programs/road-watch](http://www.kesab.asn.au/programs/road-watch)).

### LITTER COLLECTION DATA

It is estimated that 5,940 items of litter were collected over the 2019-2020 period by Road Watch groups.

Data captured in the KESAB Litter Strategy Monitoring Wave 78 - Nov 2019 reported that highways remained the most significant contributor to the total number of litter items (34%, up 1% from Wave 76 in Nov 2018).

**LITTER BY LOCATION REPORTED IN THE KESAB LITTER STRATEGY MONITORING WAVE 78 - NOV 19**



Volunteering ceased for approximately three months in 2020 due to COVID-19.

KESAB took preventative and proactive measures to ensure that all volunteers were safe asking them to cease litter clean-ups from March as South Australia embraced new social distancing rules to curb and stop the spread of COVID-19. Activities were resumed from 17 June 2020.

Road Watch volunteers did an incredible job, achieving an increase in the litter collected over the 2019-2020 period compared to the previous year, despite a reduction in the time available to do so.

### VALUE TO THE SOUTH AUSTRALIAN COMMUNITY

It is estimated that the South Australian community has received \$320,000 in value from KESAB's Road Watch volunteers.

### JOINT PROJECTS

Road Watch - Adopt A Road partnered with Clean Marine to run Port Blue Shoreline Clean-up project sponsored by ATCO, addressing litter entering the Port River via the shorelines.

The joint project cleaned up plastic and litter debris near the marine environment and promoted the value of volunteering and environmental care to the local community. It included schools and corporate participants who saw benefit in participating.

### NESTLE VOLUNTEERS CLEAN-UP BONYTHON PARK

Close to 150kg of rubbish was removed from Bonython Park in June 2019 by Nestlé employees who joined KESAB staff to launch the Clean Marine River Program proudly sponsored by ATCO.

*“Our goal for the clean-up was simple: to leave our local community cleaner than we found it, and we did. We were surprised by the number of less visible, small pieces of rubbish we found, as well as some unusual items such as a shopping trolley and camcorder. We were also very appreciative of Adelaide City Council’s assistance in collecting the rubbish at the end of the day,” Anna Leddiccoat—Nestlé Co-ordinator, SA*

Nestlé has already laid out its broader vision to achieve a waste-free future and announced a series of specific actions towards meeting its commitment to make 100% of its packaging recyclable or reusable by 2025, with a particular focus on avoiding plastic waste and pioneering alternative materials.

The clean-up was part of a co-ordinated global volunteering effort timed around World Oceans Day in June which saw more than 1,000 Nestlé employees volunteer at clean-up events across Australia.



**PIRATE LIFE BREWING**

*Pirate Life Brewing and their team participated in the Clean Marine Port River shoreline Clean-up on World Environment Day.*

Thirty staff working in shifts participated in the four hour event with a focus on the debris that had lodged in the rocks of the riprap barrier at the Tom O'Shanter Creek and all along the northern side of the Port Creek.

The Joyce Snadden Reserve was also a focus for the team who picked up micro plastics embedded in the grass and in the playground cover.

KESAB is proud to have the support of the City of Port Adelaide Enfield who arranged for the litter disposal.

**LEND LEASE**

30 Lendlease staff volunteered as part of a the Port River Shoreline Clean-up at Mercy Road North, Osborne.

Over the week the volunteers assisted the community, collecting rubbish and debris along the Gulf St. Vincent shoreline and adjacent Tech Port areas.

Reinforcing Lendlease's strong partnerships with the communities they operate in, projects are selected by employees in areas or with organisations where Lendlease has a current or future presence.





### ALBERTON PRIMARY SCHOOL

KESAB assisted students of the Alberton Primary School to participate in many hours of community service through the program. As well as collecting plastic waste, the students enjoyed birdwatching and plant and bug identification sessions.



### ONE TREE HILL PRIMARY SCHOOL

Students from One Tree Hill also participated in Clean Marine Island Day activities. Commencing with a 1.5 hour litter collection focussing on small items of litter.



Students and staff from One Tree Hill Primary School

### ADELAIDE CROWS—TEAM CAPTAIN CHELSEA RANDALL

Chelsea Randall, co-captain of the Adelaide Crows—Female Talent Officer and AFC Media Officer joined the Clean Marine Project and cleaned up the Western Region Reserve bordering the Port River.

### ZURICH

Zurich also participated with volunteers working in shifts collecting between 25kg and 40kg of litter.

### SCOTCH COLLEGE

A group of Scotch College students chose the Port River shoreline clean-up for their Service to Community commitment in 2019. The students allocated 25 hours to the project, which was delivered onsite at KESAB and, due to the hot weather, the clean-up was relocated to the River Torrens riverside.



## ACKNOWLEDGEMENTS

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#### Chair

Ros DeGaris—DeGaris Consulting Pty Ltd

#### Vice Chair

Geoffrey Webster—Waste & Management Services

#### Treasurer

Grant Reubenicht—Anglicare SA

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Ashley Watson—Piper Alderman Lawyers

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South Australian Brewing Co.

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D McCarthy BEM (deceased)

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G Parsons

L Willetts (deceased)

Radio 5AD

Radio Triple M

NWS 9

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Dixon Asia Pacific

Geoff Webster, Consultant

Jeffries Garden Soils

Master Builders Association of SA

Mike O'Reilly Public Relations

Mt Gambier Lions

Outback Communities Authority

Peats Soil & Garden Supplies

Piper Alderman

RAA

Recyclers of SA

ResourceCo

Royal Horticultural & Agricultural Society

Scout Recycling Centre

Solo Resource Recovery

Strathalbyn Rotary Club

Suez Australia Pty Ltd

Veolia

Waste and Management Services

## Local Government Members

Metropolitan  
 Adelaide City Council  
 Campbelltown City Council  
 City of Charles Sturt  
 City of Holdfast Bay  
 City of Marion  
 City of Mitcham  
 City of Norwood Payneham & St Peters  
 City of Onkaparinga  
 City of Playford  
 City of Port Adelaide Enfield  
 City of Tea Tree Gully  
 City of Unley

## Regional Rural Councils

Alexandrina Council  
 The Berri Barmera Council  
 Clare & Gilbert Valleys Council  
 Coorong District Council  
 Copper Coast Council  
 The District Council of Mount Barker  
 Town of Gawler  
 The District Council of Kimba  
 Kingston District Council  
 Light Regional Council  
 City of Mount Gambier  
 The Rural City of Murray Bridge  
 The District Council of Peterborough  
 City of Port Lincoln  
 Renmark Paringa Council  
 District Council of Robe  
 Tatiara District Council  
 City of Victor Harbor  
 Wakefield Regional Council  
 The Corporation of the City of Whyalla  
 The District Council of Yankalilla  
 The District Council of Yorke Peninsula

## Partners and Sponsors

Adelaide Resource Recovery  
 Adelaide and Mount Lofty Ranges Natural Resources  
 Management Board  
 Adelaide's Finest Supermarkets  
 ANCOL  
 Attorney-General's Department  
 APY Lands  
 Australian Packaging Covenant Council  
 Badge Construction  
 Barossa Council  
 Beyond Bank  
 Beyond Byte  
 Biobag  
 British American Tobacco Aust.  
 Business SA  
 CDSA Container Deposit Systems Australia  
 City of Adelaide  
 City of Burnside

City of Charles Sturt  
 City of Holdfast Bay  
 City of Marion  
 City of Onkaparinga  
 City of Port Adelaide Enfield  
 City of Port Pirie  
 City of Prospect  
 City of Tea Tree Gully  
 City of Unley  
 Construction Industry Training Board  
 Country Press  
 Country Radio  
 Country TV  
 Department for Education  
 Department for Environment and Water  
 Department of Planning Transport and Infrastructure  
 East Waste  
 Eco Marketing  
 Environment Protection Authority  
 Fleurieu Regional Waste Authority  
 Government of South Australia  
 Green Industries SA  
 Integrated Waste Services  
 Into Training Australia  
 Jeffries Garden Soils  
 Kangaroo Island Council  
 Keep Australia Beautiful National Association Ltd  
 Kids Media  
 Light Regional Council  
 Local Government Association of South Australia  
 Mars Wrigley's Confectionery  
 Mastec  
 Master Builders Association SA  
 McGregor Tan Research  
 Messenger Press  
 Mike Haywood Sustainable Resource Solutions  
 Mike O'Reilly Public Relations  
 NAWMA (Northern Adelaide Regional Waste Authority)  
 Outback Communities Authority  
 Peats Soil & Garden Supplies  
 Port Augusta City Council  
 Piper Alderman Lawyers  
 Royal Automobile Association of SA (inc)  
 RASAC (Regional Anangu Services Aboriginal Corporation)  
 Read Brothers Signs  
 Recyclers of South Australia Inc.  
 ResourceCo  
 Royal Agricultural & Horticultural Society  
 Rural Press  
 SA WaterScout Recycling Centre  
 Sims Metal Management Australia  
 Statewide Recycling  
 The Advertiser  
 The District Council of Yorke Peninsula  
 Toolbox Graphic Design  
 Veolia Environmental Services  
 VISY Recycling  
 Water + Waste Innovations  
 WMRR—SA Chapter



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