

Annual Report

2022-23



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A year in review

We take great pride in the environmental impact we've made at KESAB this year.

Over the past 12 months, KESAB has delivered programs and services to inspire, engage and educate across the community, leading to reductions in waste to landfill and improvements in sustainability and resource recovery.

Through our engaging incursions, excursions, workshops, data collection/observations and enthusiastic presence in communities, we have helped people make informed decisions at home or work and move towards sustainable choices to benefit the environment.

Our dedicated team and passionate volunteers have actively engaged with schools, businesses and community to preserve and protect the environment.

We are proud to be part of positive environmental change in South Australia, and we look forward to building on these accomplishments to create an even more sustainable future in the years to come.



Ethel Beach, Yorke Peninsula; Kristy Billing @gypsyandherwild



>5,900

students engaged

through KESAB incursions across South Australia.



>6,300

community members engaged

through educational programs, community engagement and initiatives.



>5,100

students to Wipe Out Waste shows

KESAB is proud of the reach and positive difference we make with these sessions.

Our environmental impact is thanks to



57

years of service



>50

members
and many valued partners



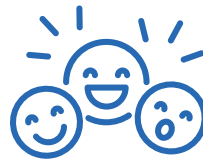
20,000+

working hours
per annum



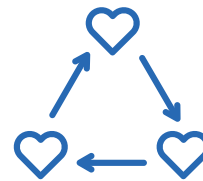
Road Watch volunteers cleaning up litter from roadsides

The Road Watch volunteer
litter clean up program highlights



600+

volunteers



>1,000kg

of litter removed

We provided sustainability
education including

2,500 *visitors to KEC*

147 *Green Adelaide events*

620 *Clean Site® students*



Green Adelaide YEC team challenge

Minister's *report*

Since the SA parliament declared that we are facing a climate emergency, the government has taken further steps towards addressing the real environmental, social and economic costs of climate change.

The SA Government has state-wide goals, including:

- reduce net greenhouse gas emissions by more than 50% by 2030
- achieve net zero emission by 2050
- achieve 100% renewable energy generation by 2030.

I was pleased to convene the first SA Industry Climate Change Conference in April 2023 which brought together more than 800 business and industry stakeholders to explore the challenges and opportunities as we transition to net zero as a state. Following on from the conference, we launched the Net Zero Essentials Program, through which small to medium businesses can access practical assistance to enable them to help us achieve our emissions targets.

South Australia's Single-use and Other Plastic Products (Waste Avoidance) Act 2020 was the first legislation of its kind in Australia. Single-use plastics have a significant impact on the environment and also our carbon footprint, and it will be essential to reduce our reliance on such products if we want to be serious about reducing emissions. By avoiding waste and moving to reusable or recyclable options, we can achieve better environmental outcomes for our state with the added bonus of helping to reduce our carbon footprint. In November 2022 the next three phases of single-use plastics products bans were announced with the aim of new bans coming into place in September 2023, September 2024 and September 2025. Consultation and early announcement of future phase out allows for businesses and consumers to plan for bans ahead of time by investigating and sourcing appropriate alternative products.

In another step forward for reducing our reliance on single-use plastic, in July 2023, along with the Greens, we changed the law to allow SA food outlets to give customers the option to bring their own reusable containers for takeaway food without risk of legal action arising from risk of public liability problems.

I have also been pleased to see a number of local government authorities take the lead from The City of Holdfast Bay and trial the swapping of weekly residual bin collection with weekly food and garden organics bins (with an opt out option). This is a great initiative to assist ensuring the community has confidence that the bin which holds the majority of organic waste is collected most frequently. It also provides yet another mechanism to meet food waste reduction targets and promote a circular economy by being processed into nutrient rich compost which is then applied onto South Australian soils, rather than disposed of to landfill where it may generate greenhouse gas emissions for many years.

Green Industries SA remains proud to have KESAB as a delivery partner through the successful and engaging schools-based waste reduction and circular economy education program, Wipe Out Waste (WOW), which has shown a reduction of waste from the school sites engaged. The Which Bin hotline which is staffed by KESAB also continues to provide accurate and localised information which reduces contamination and increases resource recovery.

WOW is strengthened through KESAB's complementary programs and resources and through KESAB's long standing partnership with the Department for Environment and Water, through the hosting of the Green Adelaide (central) team.

I also thank KESAB for its continued collaborative influence through representation on key consultative groups including the Single-use Plastics Stakeholder Taskforce, the Container Deposit Scheme Reference Group and the EPA's Circular Economy and Waste Reference Group.

Volunteering plays a critical role in South Australia, and I thank the volunteers engaged in the KESAB Road Watch program for the work they do with the support of the Department for Infrastructure and Transport, cleaning up the State's highways, enhancing amenity as well as protecting the wildlife.

I would also like to acknowledge Professor Jodie Conduit who is my representative on the KESAB Board of Directors, and all those people across SA who support the vital work undertaken by KESAB and its hardworking team.



Hon. Dr Susan Close, MP
The Minister for Climate,
Environment and Water

Chair's report

2022-23 was another successful year for KESAB, demonstrating the flexibility of the staff to respond to the changing demands to deliver KESAB programs. It was also an opportunity for the KESAB Board to review the progress of the organisation's current Strategic Plan to 2025 and consider the key actions for the next 18 months.

With the changing community opinion of waste and the value of a circular economy, KESAB strives to continue to be at the forefront supporting South Australia's leading position. KESAB built on what has been achieved using a toolbox of skills the organisation has developed and delivered to the community, encouraging South Australians to grasp the benefits of sustainability.

To lead and inspire improvement, preservation, and protection of the environment, through education and positive behaviour change, is the purpose of KESAB's programs. This is only achieved by the whole organisation pulling together, and the Board appreciates the effort from the staff to make our programs relevant and ensure a position of leadership wherever they are delivered.

The Board's review identified focus areas relevant to South Australia for KESAB to utilise its skills and advocacy showing leadership in education and evaluation, through a range of networking connections that link opportunity and policy.

Important topics considered:

- impacts of climate change
- reduction of carbon footprints
- opportunities for Food Organics, Garden Organics (FOGO)
- education to encourage segregation of waste at source
- expansion of the banned list of single-use plastics (SUP)
- expanding Container Deposit Scheme (CDS) to encourage resource recovery
- education to continue managing litter.

To progress these issues, KESAB continues to gain direction and support from its stakeholders and partners into programs for new sectors. It will take all sectors to contribute to building a strong and sustainable circular economy.

KESAB's success in 2022-23 has given us the capacity to expand programs and engage new sectors in sustainable development. The organisation will continue to strengthen the circular economy.



Ros De Garis
Chair



2022 KESAB Breakfast with the Minister

CEO's report

It was a positive year for KESAB as we worked together with South Australians to meet our purpose to drive positive environmental change in industry and the community.

A mid-term review of KESAB's Strategic Plan was undertaken with the KESAB Board, measuring progress against targets and external/internal factors, and refining our future work plans.

KESAB conducted a review of the Green Industries funded Wipe Out Waste (WOW) program resources and benchmarked WOW against similar offerings in Australia. We are proud of the content and integrity of our longstanding program and the results show it is effective and meaningful. This review forms part of a continuous improvement program for WOW which is detailed in this report. The year also saw the start of the rollout of the new bins systems into SA public schools. KESAB looks forward to supporting them to ensure the best resource recovery outcomes on-site.

KESAB partnered with councils/businesses on projects including community/school workshops, incursions, tours and education/research across metropolitan/regional areas including The City of Darwin. Our Road Watch volunteer roadside litter clean-up program continued and litter monitoring confirmed the value of this work at roadsides, where most of the litter still is.

Visits to the KESAB Education Centre (KEC) increased following COVID-19 disruptions since opening. The aim is to increase visits and re-incorporate additional resource recovery sites in excursions. KEC is supported by Integrated Waste Services and KESAB partners and I thank them for their ongoing commitments.

KESAB's audit team conducted kerbside/commercial waste audits and bin inspections. This work provides critical data to benchmark, inform and tailor education programs, including when implementing FOGO rollouts or developing business sustainability plans. KESAB provides a unique value-add with its ability to perform data collection and then tailor and provide informed education/behaviour change programs.

It was pleasing to see the next three phases of single-use plastics bans announced in late 2022. These bans cannot come soon enough for the environment and ideally a phase out of all single-use items in favour of all reusables, where possible, should be the goal. A mix of legislation, policy, and behaviour change education will be key to success.

KESAB looks forward to announcements of the new governance structure of the now years-long CDS review. Queensland's inclusion of wine bottles from November 2023 will ideally encourage other states and territories to quickly follow and provide the maximum highest quality resource recovery and clarity and economies of scale for industry.

Local governments' trial rollouts of weekly FOGO collections is a step forward in reducing waste to landfill. The circular economy and environmental driver of this simple swap between fortnightly green/residual waste bin is straightforward and does not represent a reduction in service.

In-house, after more than 20 years' service each, Amy Blaylock (Green Adelaide) and Dick Olesinski left KESAB this year to pursue other passions. I thank them for their commitment and contributions to KESAB over many years.

KESAB is fortunate to have an engaged, qualified and experienced Board of Directors and I thank them for their ongoing support. KESAB was also pleased to present long-term Director, Ashley Watson with KESAB life membership at the 2022 Annual General Meeting, which was richly deserved.

Thank you to KESAB partners, stakeholders and the wider waste industry. As a small not-for-profit, KESAB simply cannot do the work it does without the financial, and other support which we receive.

I invite you to read this Annual Report for a deeper look into the diverse and comprehensive activities undertaken this past year. I can proudly say we continue to punch above our weight as we deliver quality programs and services with passion and commitment. I thank the whole team for this support and commitment, they are KESAB, and I am proud to work with them.

Finally, the full page photos in this report invite you to consider how we all interact with nature, to appreciate our place in the wider environment, and to remind ourselves it is on us to do all we can to protect and preserve the environment. With the exception of the cover/inside cover, these photos were taken by Sputnik from Out of This World who also partnered with us on our Road Watch videos. Thank you also to Toolbox Graphic Design, who never fail to deliver high quality creative product, with seemingly unlimited patience.



Wendy Bevan
CEO



Wipe Out waste

KESAB's long standing Wipe Out Waste (WOW) program is a whole school community approach to sustainability, waste management and learning.

Delivered through a partnership with Green Industries SA, WOW is the only collaborative, evidence-based and curriculum focused circular economy sustainability behaviour change program for education sites in South Australia.

Wipe Out Waste

- provides first class behaviour change education and resources in resource recovery, waste and litter
- works closely with education sites to proactively increase waste avoidance, re-use and resource recovery and actively reduce litter and waste
- guides action and behaviour change towards an environmentally sustainable circular economy
- is supported by teacher guides and curriculum-based resources for pre-school to year 12

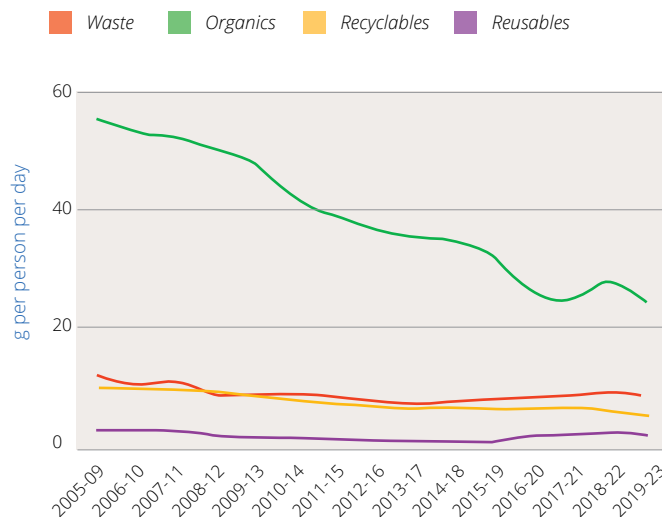
KESAB's WOW team work with education sites across SA to provide professional learning and development for educators, on-site school waste audits and assessments, and site environment management plans.

Results have shown that sites that commit to working with the Wipe Out Waste program over time, taking part in multiple waste audits to check progress, have an overall average decrease in waste to landfill of 50%.

By comparison, KESAB has seen a reduction in waste to landfill overall from all schools assessed of around 19% since the program commenced.

Composition of landfill bin

5 year average trend
Primary multi-audit sites



2005-23 % change

Material to Landfill	Single and first audits	Multi-audit sites
Reusables	-37%	-31%
Organics	-26%	-56%
Recyclables	-36%	-43%
Landfill	-12%	-28%
Overall	-19%	-50%

Over 2022-23, KESAB's WOW team worked directly with 90+ education sites and at eight public events, in addition to requests for information and advice. This included:

5,500 *community members engaged*

5,100 *students reached through WOW shows*

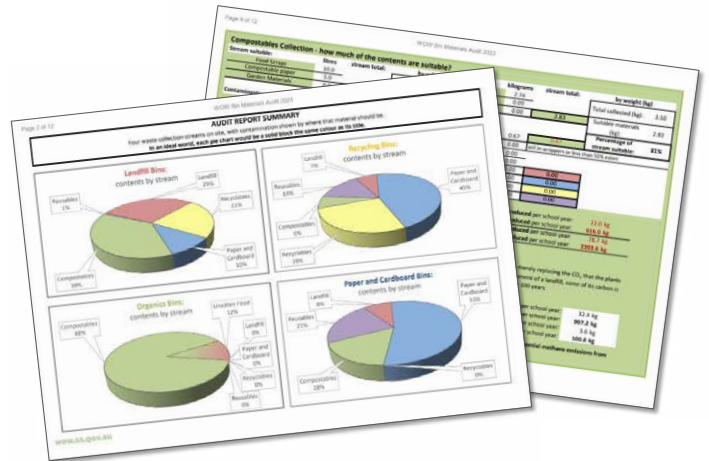
53 *classes joined the Less to Landfill challenge*

14 *Bin System Assessments*

15 *Bin Material Audits*

KESAB's WOW team commenced an internal review of the program including benchmarking against sustainability programs available to education sites across Australia. This review aided in the ongoing continuous development of the WOW program.

New delivery methods for the Bin Materials Audits (BMA) and the Bin Systems Assessments (BSA) were developed, increasing student-focus and the number of students who can participate. A new reporting method was created, giving education sites more information about each of their waste streams, contamination, emissions, and energy lost or saved.



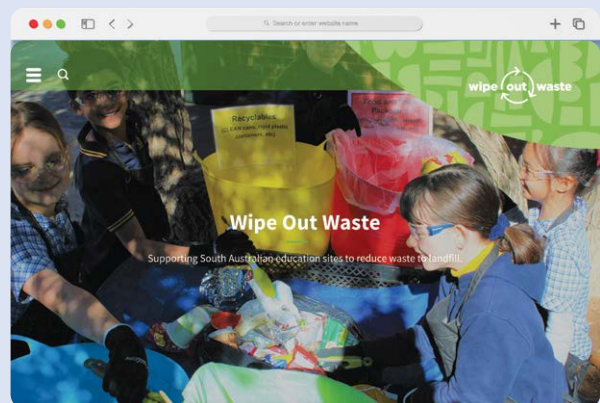
WOW staff created a new 'Resource to Engagement Map', opening more pathways for educators to join the program and outlining the resources and activities made available to sites at different engagement levels. The WOW team developed a WOW/KESAB Activity Day for schools. This introduces up to four classes of students at a time to Bin Systems, Materials Audits, Road Watch and Litter Less anti-litter program and encourages students to map out the next steps of the school's waste reduction journey based on findings.

Website

The Wipe Out Waste website received 5,533 visitors. The Nude Food page remained the most visited page as well as the Big Book series.

Two editions of the WOW newsletter were distributed to 850 subscribers.

wow.sa.gov.au



THE AMAZING JOURNEY OF YOUR RECYCLABLES



WOW Resources

The WOW team continued to develop resources for schools to support resource recovery and circular economy education. WOW staff commenced a review of WOW's online resources to improve curriculum alignment and increase opportunities for student-driven learning and action. The popular Big Book series was updated and released digitally in term 3 2023. This ongoing project will continue into the second half of 2023 and has led to new formats for the WOW program mainstays, the BMA and the BSA.

Collaboration and partnerships

In 2022-23, WOW celebrated 10 years of partnership with Bright Spark Entertainment. Bright Spark and Graeme Denton delivered the WOW Wizard Show to 5,100+ students, staff and parents over the year.

WOW supported The University of Adelaide PhD Thesis (Unwrapped) Food for Thought: Exploring the Intersection of Waste and Nutrition in Children's Lunchboxes by Neha Kishan Lalchandani. This thesis will be published in late 2023/early 2024. From this work, Dr Clare Hume, University of Adelaide, has commenced an Eco Lunch pilot project, currently being trialled with a number of local Adelaide schools with the support of WOW. This partnership aims to lead into new WOW program offerings in the 2024 school year.

WOW in the regions

The WOW Wizard Show toured Whyalla with six performances for 12 education sites to 1300+ students and staff, and five shows/11 sites in Port Pirie to a total audience of 980.

BMA's and BSA's were completed at sites in Wallaroo, Port Pirie and Port Lincoln, and staff delivered professional development at school staff meetings in Port Lincoln and Melrose. Teachers from Mount Gambier, Port Lincoln, Victor Harbor, Berri and Port Augusta also took part in WOW Professional Learning Tours in October and January.



KESAB's 'Science Alive!' educational stall

WOW supported events

In October 2022 KESAB returned to Prospect Community Garden as part of the Nature Festival to host 'Deliciously Connected' and a Cooking with Food Scraps/Nude Food focused workshop. Children were invited to make and try food made from 'scraps' and take part in an ingredient 'scavenger hunt' in the garden. 'Deliciously Connected' was well supported by the Prospect Community Garden volunteers.

WOW staff were again involved in Science Alive!, Australia's largest science fair in August 2022 with an informative educational stall with waste and science related environmental education and information about WOW and other KESAB programs. KESAB continued to support the event through the positioning of waste and recycling bin signage.

Many students and teachers visited the KESAB stall to talk with staff, take information and connect with the WOW program and KESAB's waste education workshops. Visitors also tested their source-separation knowledge with the mini-bin game, made beeswax wraps, learned about paper recycling with the paper making kits, and built a nude food lunchbox. The event attracted 19,000+ visitors.

WOW attended the Science Collective's Playford, Tonsley and Mt Barker STEM Fairs. These events attracted 2,800+ visitors and attendees visited the WOW stand to test their knowledge of correct bin usage/source separation. Each event featured two performances of the WOW Wizard Show tailored to the recycling capacities of the relevant local councils.

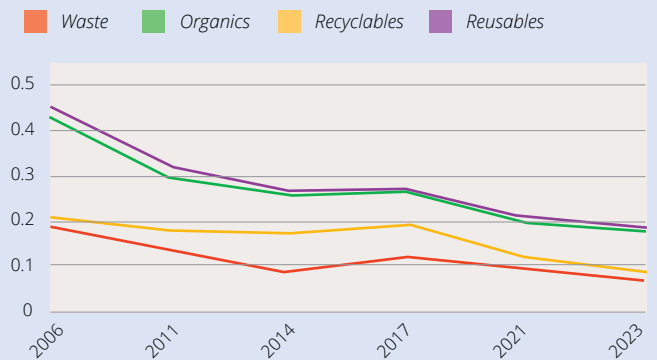
WOW staff operated interactive information stalls at two events in Freeling, strengthening our connection with the parents and students in the Light Regional Council. WOW information and resources were prominently positioned and introduced by KESAB staff at the Permaculture Exhibition and the Lady Gowrie Training exhibition.

Showcase: Star of the Sea school

The Star of the Sea school has worked with WOW since 2006. This included hosting professional development sessions to inspire other sites, and provision of ongoing support from the WOW team.

Bin audits were conducted and showed a continuous reduction in the amount of material per person sent to landfill on-site. The most recent audit indicated almost no contamination (<1%) in the organics and paper collections, indicating that systems are well understood by students and staff.

Litres per person per day to landfill



2023 audit results showed just 0.19L per person per day of material sent to landfill, which is 70% less than the primary school average. This is an outstanding result from embedding sustainable daily habits, and dedicating staff and student time to learning, development and continuous improvement and monitoring, to an ever-changing student cohort.

KESAB appreciates the support of the education sites and businesses who generously provide their time to WOW and present Professional Learning workshops. These include, but are not limited to: Advanced Plastic Recycling, Biobag Australia, Central Adelaide Waste and Recycling Authority, Cleanaway, Electronic Recycling Australia, Integrated Waste Services, Jeffries, Northern Adelaide Waste Management Authority, REPLAS, ReStore, Veolia Alt Fuels and SIMS.

KESAB

education centre



KESAB Education Centre

The KESAB Education Centre (KEC), built with the generous support and ongoing partnership with Integrated Waste Services (IWS), is now in its third year of operation.

2,500 *total visitors*

67% *increase in visits*

9 *community visits*

After opening at the height of the pandemic, 74 classes, 2,340 students, teachers and parents from 20 metropolitan and regional council areas visited the centre over the year, an increase of 67% from the previous year.

As well, there were nine community tours to the KEC, with 148 community member visitors and 29 educators attended professional development (PD) sessions.

A minor refresh of the KEC space was undertaken in January/February 2023, including the introduction of a new Properties of Metal activity. This complements the other hands-on activities in the Centre including House of Stuff, Waste Truck Technology, Compost Loop and Recycling Trommel.

Messaging at the Centre also directly supports and reiterates key Wipe Out Waste messaging as well as PIRSA Fruit Fly education. WOW teacher professional learning workshops are also generally held at the Centre.

Feedback remains positive and ever popular is the IWS viewing platform, where visitors observe the operating waste management facility and see where waste goes when they throw it 'away'.

KESAB will continue its review of the Centre in the next financial year with an aim to increase tour offerings and boost numbers of visitors who learn about circular economy.

Waste education



School incursions

237 *total incursions*

5,900+ *students*



KESAB school program

Over the year KESAB's education team delivered 237 incursions and education programs to 5,900+ SA students, plus teachers and school volunteers who attended. The most popular sessions were Recycle Relays, Papermaking, Beeswax Wrap, Journey Of My Food, Recycling Rhymes, (a newly introduced session for early years groups), and compost and worm farm sessions. KESAB also introduced sessions to Out of Schools Hours Care (OSHC) with good take up.

All sessions integrate hands-on activities with sustainability and environmental messaging as this is the best and most effective way to obtain long-term behaviour change. Almost two thirds of these sessions were subsidised by local government who partner with KESAB to deliver a variety of effective waste and recycling education activities within their council area.



Community workshops and presentations

58 *total community workshops*

6,263 *people engaged*

KESAB's community engagement includes workshops, tours and presence at community events either contracted or as a part of a partnership with Councils. This enables broad information to be shared and conversations on local messaging around specific initiatives like Take the Pledge. These connections and conversations are strengthened by deeper engagement including door-stepping.

KESAB's most popular community workshops were DIY Personal Care and Cleaning Products workshops and Beeswax Wraps workshops. Messaging includes ways to reduce packaging and plastic and think about environmental impacts of purchase decisions.

KESAB delivered 14 'Which Bin?' information sessions to 449 attendees, with locations ranging from Retirement Villages, Hockey Clubs, Community Gardens and Men's Sheds.



KESAB Beeswax Wrap workshop



Council Partnerships

KESAB continued its strong partnerships with SA Councils, including the City of Unley, City of Whyalla, Copper Coast Council, Light Regional Council, Port Augusta City Council, Port Pirie Regional Council, and East Waste member Councils (Adelaide Hills, Burnside, Campbelltown, Mitcham, Norwood Payneham & St Peters, Prospect and Walkerville).

These partnerships enabled KESAB to provide support to local education sites, businesses and community members to participate in a variety of education programs, focusing on circular economy, waste reduction and best practice waste management.

KESAB's council-wide Take the Pledge programs continued in the City of Unley, Port Pirie Regional Council and the Copper Coast Council.

Delivery of the program is tailored to meet Council residents who are asked to: pledge to recycle everything they can, reduce contamination in their recycling bins, put all food scraps in their organics bin or just send less to landfill.

Take the Pledge campaigns can involve face-to-face education, bin tagging, bin inspections, media promotion and promotion at public events. It is based on Community Based Social Marketing principles, whereby residents who make a commitment are more likely to have long lasting change. Participating households are also provided with a sticker to put onto their kerbside bin/s to demonstrate their commitment to their neighbours and help raise awareness of recycling in the community, as this has been shown to increase long-term commitment.

East Waste

Over the year, 2800+ residents from East Waste councils participated in KESAB programs and activities. These included:

93 school sessions **3,400** students and staff

26 community sessions **568** members engaged

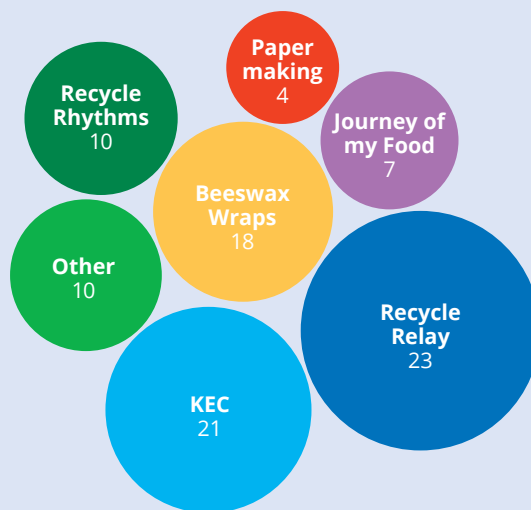
KESAB worked closely with East Waste Member councils and delivered education activities, sessions, tours and community events tailored to their respective resource recovery, waste and recycling education objectives.

While delivering sessions in schools on behalf of East Waste, KESAB Waste Educators formed valuable connections with teachers and sites, a number of which rebook consistently over consecutive years.

KESAB community engagement opportunities included seven East Waste 'Beyond the Kerb' tours which provided opportunities for residents to discover how kerbside waste streams and other, more difficult waste materials are processed. A FOGO-focused tour was organised for Mitcham residents, highlighting the possibility for future stream-focused tours.

East Waste School sessions 2022-23

Delivered by type across all Councils



East Waste Community sessions 2022-23

Delivered by type across all Councils



City of Unley

40 school sessions

1,000 students and staff

7 community sessions

190 members engaged

KESAB continued its strong partnership with the City of Unley, delivering community sessions to several groups including aged care. Schools engagement continued with follow-up sessions to embed positive practices.

One business conducted a Bins System Assessment with the organisation keen to action recommendations and some sporting sites in the Council are interested.

KESAB delivered waste education with a focus on foodwaste and the FOGO bin at the 2022 Spring Fling. Nude Food demonstrations equipped participants with the knowledge and skills to use commonly wasted ingredients as Nude Food lunchbox options, reducing food and packaging waste.

KESAB also continued to deliver and expand Take the Pledge program. 129 participating households in the City of Unley had their bins inspected, and 60% were putting the right thing in the right bin, which is well above the average. This, along with the continued new registrations to the program, is a positive indication that many households are becoming more conscious of their recycling behaviours in the home.

City of Campbelltown

In 2023, City of Campbelltown undertook a compostable produce bag trial with local businesses, ahead of the September 2024 SA Government phase-out of plastic produce bags. KESAB provided bin inspections to identify how residents are disposing of food waste, focusing on compostable produce (and other) bags.

KESAB assessed food waste in organics and landfill bins, method of disposal and contamination. Data from bin inspections suggested that some compostable produce bags are used in organics bins; however, compostable bags provided by Council are the most popular method to dispose of food waste (in organics bins), indicating that the kitchen caddies distributed by Council are still in use. However, a significant amount of food (and other compostable and recyclable materials) is still being disposed of in landfill bins.



Litter Less (supported by Mars Wrigley)

Delivered to

1,810 students

KESAB's Litter Less school education incursion and microsite continued to be popular and is one of KESAB's most highly-rated incursions.

Designed for students in Years 4-7, Litter Less aims to increase students' understanding of how litter in their local environment can contribute to a global problem and challenges them to be part of the solution.

Students conduct a sample litter audit, identify problem areas and common types of litter and then collect data and brainstorm potential on-site solutions. One of the most common suggestions is to have Nude Food lunches. Litter Less in schools was delivered to 33 classes and 950+ students.

KESAB also delivered Litter Less presentations at the Marine Discovery Centre speaking to students about impacts of litter and specifically the marine environment. KESAB staff delivered 18 presentations to over 860 students.

The Litter Less microsite, housed on the KESAB website kesab.asn.au/litterless contains a unit of work presented as six inquiry questions and is separated into three interconnected themes (Defining, Understanding, and Actioning) which assists students to identify litter issues at their school, and plan and implement litter reduction and prevention strategies.

Litter Less has been funded through our partnership with MARS Wrigley.

PIRSA

KESAB's partnership with PIRSA continued as WOW incorporated fruit fly messaging into all engagement activities to students across metropolitan and regional areas.

Regional Council *contracts*

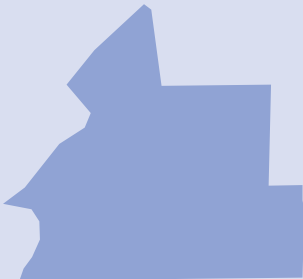


KESAB partnering with Copper Coast Council

KESAB continued its work with partner regional councils over the 2022-23 financial year.

KESAB programs convey key sustainability, waste and resource recovery messages and inspire behaviour change in community members.

Programs are tailored to the specific needs of the Council partner and include school and community sessions and workshops, waste and recycling tours, information stands, and other important waste reduction initiatives such as Take the Pledge.



Copper Coast Council

5 school sessions	140 businesses engaged
4 community sessions	280 community members

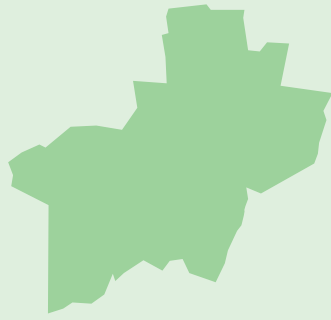
Copper Coast Council Highlights

KESAB continued to work with Copper Coast Council on school, community and business resource recovery education and initiatives. Council is always innovating with an event trailer at the local markets and events, first used at the Copper Coast Show in 2022, at which an estimated 23% of materials (by volume) was diverted from landfill. At the 2023 Show, close to 50% of material was captured for organics, recycling and 10c collections. Council staff, councillors, local students and YP Recycling assisted on the show stand with KESAB and engaged with the local community.

No in-class students sessions were conducted due to COVID-19 school restrictions in 2022, and 2023 being a Kernewek Lowender (Cornish Festival) year. Instead KESAB visited key staff and student groups at five schools to assist with planning for the introduction of the new school bin systems in 2024.

KESAB engaged with 5,000+ people at the Copper Coast Show and provided local information on bins and the organics bin pledge program provided. Students and teachers also helped KESAB/Council with 'bin buddy duties', which supported the diversion of materials from landfill.

KESAB visited 140+ businesses to survey bin practices and raise awareness of free weekly three bin collections, with some local champions identified, including Taste the Yorke (hospitality venue) and Sonbern Lodge (accommodation provider).



Light Regional Council

22 school sessions **645** students and staff

7 community sessions **48** community members



Port Augusta City Council

28 school sessions **555** students and staff

4 community sessions **94** community members

Light Regional Council Highlights

The 2022-23 period was a busy year for community and school engagement and education in the Light Regional Council area. Spread over an area of 1,278 kilometres, and encompassing seven distinct towns, KESAB engaged with this regional community in a variety of ways, including workshops such as our Recycle Relays and Rhythms, Beeswax Wraps, Journey of My Food, Papermaking, Composting, and Worm Farm.

KESAB also held seven community education sessions at libraries, community gardens, and community centres, with presentations such as Which Bin, Cooking with Leftovers, and DIY Body and Cleaning Products workshops. These are engaging and popular ways to provide interesting methods to inform and relay sustainability and circular economy messaging. Community engagement stalls at events included information, activities, and face painters for children with designs around recycling and FOGO.

Attendance at the Kapunda Country Show, Freeling Football Finals and Freeling Christmas Street allowed KESAB to continue engaging with many of the children and families that had previously attended school education sessions and community workshops.

Port Augusta City Council Highlights

KESAB continued to build relationships with local community members and teachers and delivered 28 waste education sessions at school sites. Community sessions included a Which Bin presentation to the dedicated Port Augusta Coastcare volunteers and an information stall at the Port Augusta Central Oval.



Bazza the Bunyip

KESAB's very own Bazza the Bunyip made a rare appearance at Easter. An initiative of Renmark Paringa Council, Bazza visited the local boat ramp and holiday park to remind river-users 'Don't Muck Up the Murray'.

Holiday-makers and locals were excited to see Bazza back in the Riverland and Bazza was thrilled to get back there.



Whyalla City Council

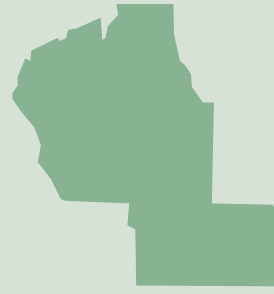
26 school sessions **486** students and staff

4 community sessions **75** community members

Whyalla City Council Highlights

Community sessions included a Beeswax Wrap workshop, a DIY Products workshop and two community tours which involved a Which Bin presentation and visits to the Peats Composting facility and Veolia Waste and Resource Transfer Station.

Beeswax Wrap sessions at the Whyalla Secondary College were featured on the local news.



Port Pirie Regional Council

8 school sessions **201** students and staff

1,000+ community members

Port Pirie Regional Council Highlights

KESAB continued the great relationship with Port Pirie Regional Council supporting the Take the Pledge program as well as school and community education and engagement including the annual Smelters Picnic and Which Bin workshops.

The Take the Pledge program continued to grow and 11 winners were issued with prizes as well as letters sent to households who could improve their recycling behaviours.

Pleasingly, the average landfill bin contamination was recorded as just 3-4% and the recycling bin contamination was 10%. Organics bins showed very little contamination at 2%. The program will be refreshed in 2023-24.

School sessions equipped and empowered students with the knowledge to make sustainable choices and waste audits shared the magnitude of impacts to both students and teachers.

Engagement via the annual Smelters Picnic was again a useful way to support the Pledge program, with approximately 100 new registrants.



Road Watch and *sustainable communities*



Road Watch promotional video

KESAB is pleased to have continued our long-term proactive relationship with the Department for Infrastructure and Transport facilitating the Road Watch – Adopt A Road program.

1,000 *kgs of reported litter removed*

600+ *volunteers across South Australia*

Volunteer litter cleans of roadsides help to conserve the natural environment, keep roadsides safe and add to the broader amenity of communities.

Activities also connect and empower volunteers to become more active in environmental action, having positive flow on effects to their communities. These stories are shared via the quarterly program newsletter which allows for positive ripple effects over broader South Australia.

Highlights and achievements include:

- 60+ registered groups with 600+ volunteers in SA
- facilitated litter clean-up with businesses as part of Clean Site®
- over 120 activity reports submitted with over 440 hours contributed
- reported over 1,000 kilograms of litter removed (likely to be more)
- single-use plastic questions added to reports to track the impact of the state bans
- quarterly newsletters continue to celebrate achievements and share information
- increased interest from businesses supporting and engaging with the program
- incorporated a program taster into the Wipe Out Waste program for educational sites
- in-person regional community engagement at events.
- metropolitan and regional council engagement
- engagement with multicultural groups
- program promotion at the National Caravan Rally in Barmera
- safety induction and **promotional video** completed
- one long-term program volunteer awarded a Premiers Certificate of Recognition for outstanding volunteer service

The restrictions and impacts of COVID-19 saw many groups retire or lessen engagement across South Australia and the volunteering environment for everyone has significantly shifted. Many agencies have noted a reduction in the volunteering pool and the Road Watch – Adopt A Road program saw active group engagement reduce and the number of annual activities decline. KESAB continued to recruit and promote and engage volunteers in the Road Watch program, include corporate volunteers, as flexibly as possible, seeking to improve organisational involvement, and increase engagement while meeting the criteria set out by the Department.

Sustainable Communities

KESAB supports the creation of Sustainable Communities in all the work we do. Every second year, we showcase community initiatives in the Sustainable Community Awards, which then feed into the National awards.

The 2022-23 financial year was an 'off' year for the SA awards. The Sustainable Communities program is all about telling a community's story, getting people together to help their local towns, schools and businesses and to be proud of what they have achieved. Previous award winners have noted that they received more tourists due to their recognition and many have created valuable networks to progress further initiatives through the program.

Individuals, groups, schools, businesses/ organisations and councils are all welcome to participate.



Goolwa Tidy Towners 30th anniversary



Hawker volunteers



Mannum Lions KESAB volunteers

Our partnerships



Sims Metal

As the key metals management business in SA, Sims Metal and KESAB enjoy a long-standing and productive partnership. In 2022-23 KESAB's primary focus has been on education of students about the sustainability of metals recovery and recycling.

In 2022-23, KESAB developed and introduced a new Sims Metal hands-on activity at the KESAB Education Centre. Using simple science exercises, the new activity makes the link between metal properties, how the properties are important to metal recycling and how recycled metal can be used.

A Sims Metal classroom activity was also developed and trialled in 2022-23. The aim of the incursion is to provide information about the importance of metal recycling, especially its energy saving benefits and pollution reduction, relating it to familiar everyday materials.

The Sims Metal microsite received 978 page views and 134 downloads.

Education efforts also involved community and business tours to provide a behind-the-scenes look at metal recycling at Sims.

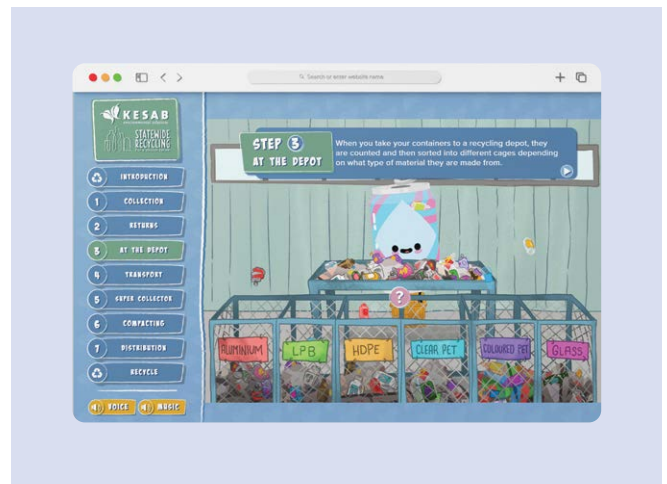


Sims Metal classroom activity



Statewide Recycling

The key focus of the Statewide Recycling and KESAB partnership for 2022-23 was the development of an interactive microsite built around the recycling process for 10-cent beverage containers.



KESAB and Statewide Recycling's interactive microsite

This resource re-introduces the animated character 'Canny the Can' and takes primary-aged students on a fun journey through collection, sorting, compacting and distribution – ready for reuse and recycling.

The microsite uses animations, pop-up information boxes and quiz questions to engage students, and provides optional music and narration for accessibility.

This microsite will be hosted on the KESAB website and is also available at our interactive KESAB Education Centre at IWS Wingfield.

Legatus forum

Legatus Group is a regional subsidiary which comprises 15 regional local government in the northern and mid-north areas of SA.

For a second year, KESAB was pleased to facilitate and co-host this sustainability focused regional forum with Legatus. Held in Peterborough in May 2023, the forum gathered local government leadership to discuss better outcomes for resource recovery in regional areas with particular focus on collaboration, and organics.

KESAB provided local relevant Food Organics Garden Organics (FOGO) case studies and facilitated the forum including planning opportunities and challenges to be considered in forward planning

As well as presentations by KESAB, Legatus and a presentation on the Peterborough Organics Pilot Plant Project, Dr Gamithri Karunasena from the Fight Food Waste Co-operative Research Centre remotely presented her work on behaviour change.

City of Adelaide: Rundle Mall

The City of Adelaide, in partnership with Green Industries SA and the Adelaide Economic Development Agency, launched Australia's largest green bin trial for a retail precinct in Rundle Mall in late 2022. KESAB was pleased to work with the Council on this project, completing various supporting projects including:

- engagement with precinct facility managers gathering information/data to support Council engagement with businesses that impact and are impacted by the trial
- direct engagement with the community in Rundle Mall on the new bin systems

Eyre Peninsula Workshop

The Eyre Peninsula LGA in partnership with Green Industries SA hosted an Eyre Peninsula Waste and Resources Workshop in August 2022, bringing together multiple Council representatives and industry stakeholders.

KESAB was pleased to present on resource recovery case studies including Kimba and Whyalla and its successful education and behaviour change programs.



Adelaide's Finest Supermarkets Sustainability Food Tours & Dinner Experiences

Adelaide's Finest Supermarkets

KESAB continued its ongoing and successful partnership with Adelaide's Finest Supermarkets over the year. Following finalising their Sustainability Plan in 2021-22, KESAB worked with the team to progress actions under the Plan and highlight their work in the sustainability space.

Highlights included partnering with local nutritionist and cook Rebecca Stonor to deliver 'conscious' dinners at the store cafes, highlighting how plant-based eating can use simple, healthy and delicious ingredients without being cost prohibitive, as well as a number of in-store presentations and event support.

Litter index

KESAB's formal litter counts began in 1998. These litter counts using KESAB methodology were adopted nationally through the Keep Australia Beautiful national body from 2006, and known as the National Litter Index (NLI).

29% cigarette butts

87% increase in takeaway cups/containers litter

69% decrease in mask litter

94% decrease in plastic straws litter

In SA these NLI counts were conducted quarterly until 2015, when bi-annual counts in May and November each year commenced. The May count is used as the benchmark for annual Litter Index KPI's.

Following the CSIRO review of the NLI in 2019, the Australian State and Territory Governments agreed to replace the NLI with the Australian Litter Measure (AusLM). The AusLM methodology was completed and a preliminary pilot run in NSW in December 2021 with other states and territories commencing their AusLM litter counts from November 2022 onwards – this data is expected to be made publicly accessible in due course. KESAB successfully argued for the use of both the NLI and AusLM methodologies for 2022-23 in SA to enable comparison data and to maximise the use of the unique SA data sets. The SA government funding for the KESAB state-based NLI litter data monitoring ceased from the end of the 2023 financial year (wave 85). Therefore, KESAB will push for the publicly available national and state data and will continue to retain its historical data and lead discussions and lobbying on the real and community concerns around litter, illegal dumping and emerging litter types such as vapes.

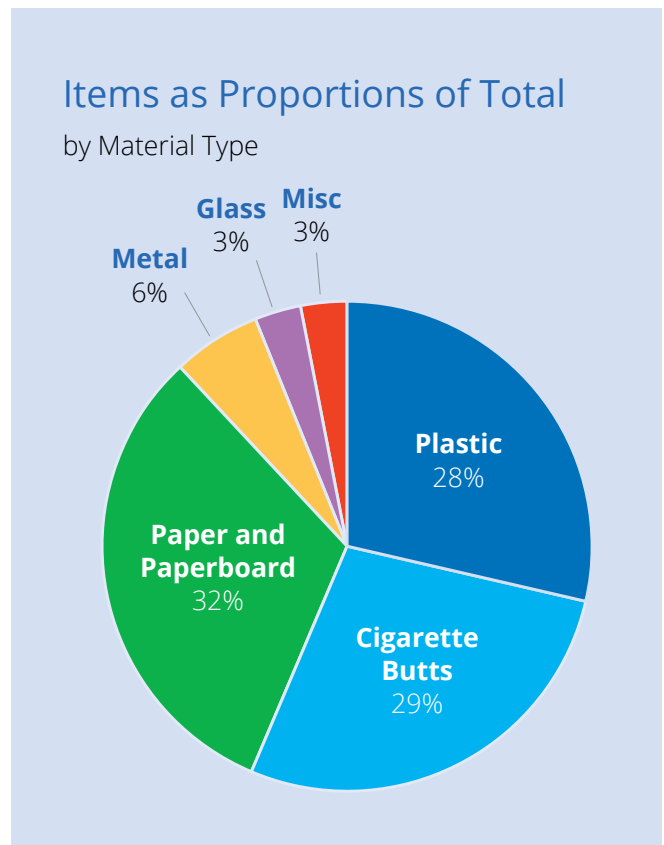
Litter monitoring occurred across 151 sites in SA over 2022-23. Overall, there was a decrease in litter across this final NLI count.

Key findings

The largest contributor by number remains cigarette butts at 29%. The proportion of cigarette butts was highest again at retail sites, including shopping centres (44%), car parks (42%) and a high proportion also at recreation parks (29%) and industrial sites (29%).

Highways remained the most significant contributor to the total number of items. This confirms the need and value of clean up programs such as KESAB's volunteer Road Watch program.

It was disappointing to see cigarette packets and wipes enter the top 20 by type but pleasing to see a reduction in straws of all types and medical masks.



The largest proportion of miscellaneous is comprised of illegal dumping which has increased as a proportion. Clothing and materials were the largest proportion of miscellaneous litter, showing the need to address the recycling/disposal of this resource.

The majority of litter items (98%) were not CDS containers. However, of beverage containers counted in litter, CDS containers accounted for 89%. Reinforcement of education messages and the current review of CDS containers scope and refund amount may assist to remove more containers from the litter stream. Beer containers that are less than 750ml entered the top 20 of litter by volume for the first which would also inform CDS reviews.

KESAB will continue to use this litter data and publicly available data going forward to inform its messaging and contributions to policy and legislative reform. To read the full report please visit kesab.asn.au

Which Bin hotline

The Which Bin hotline information service is an important part of the State Government's 'Which Bin' campaign which provides SA residents with up-to-date and relevant information about how to effectively and correctly manage their waste and recycling.

KESAB continued to manage this hotline on behalf of Green Industries SA and has done since April 2016.

Volumes and topics of calls to the hotline are recorded which provides valuable insights and data into trends, concerns and topical waste and resource recovery issues.

During the 2022-23 financial year, the call volume has reverted to normal after the particularly busy year of 2021-22.

Which Bin Enquiries



1%

business



3%

*electronic
waste*



3%

*hazardous
waste*



7%

organics



7%

*soft
plastics*



8%

*hard
rubbish*



10%

*special
waste*



17%

*dry
recycling*



22%

*waste
landfill*



22%

other

The great majority of all 'Other' category calls related to Council's bin service provision (collection days, bin repair, new bin, and other related questions). These calls are redirected back to Councils or to their contractors for resolution. The few calls that don't fall into this group tend towards queries requiring further research, such as recycling methods for specific items, for example, how best to give away thousands of litres of out-of-date hand sanitiser in 60ml bottles.

In bins



KESAB's new InBins (conceptual design)

Since 2018, Bin Shift, run by Carole-Lee Gordon strove to 'Save the Planet One Bin at a Time'. Creating and designing beautiful locally made products and delivering local, sustainable, waste management solutions and education to schools, businesses and households across Australia.

In late 2022, Carole approached KESAB and let us know she was looking to retire her brand. We were extremely flattered that she trusted us to take her baby and continue to provide these great products.

KESAB and Bin Shift had successfully collaborated over the years to support South Australian schools, businesses and communities and there is much in common about our ethos, our passion for the environment and our commitment to sustainability and to SA.

Thanks to some smart brains at KESAB and the clever creative of Toolbox Graphic Design, Bin Shift bins became InBins.

These are still the same great recycled, recyclable waste integrated internal waste management solutions for schools, business and community, and are an environmental tool to get waste out of landfill and back into the circular economy. They look so good and have measurements to track your waste goals. They also complement the bins that are being rolled out across the public schools system in SA.



Looking for InBins?

For more information, contact KESAB

8234 7255

sales@kesab.asn.au

or admin@kesab.asn.au

kesab.asn.au/product-sales/equipment

Clean site®



Clean Site® HY Clean Up group

Clean Site® is KESAB's building industry education program, helping to build a better environment for SA.

The 2022-23 year saw delivery of KESAB's Clean Site® program to a new cohort of 'tradies-in-training' as well as active construction industry players on sites.

Within the framework of Environmental Protection Agency (EPA) legislation, regulations and codes of practice, the long-standing Clean Site® program encourages waste avoidance and reduction, diversion from landfill, litter management, erosion and sediment controls, recycling opportunities and stormwater pollution prevention, as well as compliance with relevant environmental regulations.

KESAB delivers Clean Site® training in two ways. Through environmental toolbox inductions focusing on the statewide network of high school students as part of the CITB's Doorways2Construction program, and to businesses directly on-site.

Project highlights this year included the continued training delivery to the CITB's Doorways2Construction program with students from metropolitan, Whyalla, Kapunda and Riverland regions with 620 students participating during Terms 3 and 4 in 2022 and Terms 1 and 2 in 2023, an increase of 50% compared to the previous period.

KESAB also continued its partnership with Hansen Yuncken to deliver environmental toolbox training on-site at the Flinders Health Medical Research Project at Bedford Park. This partnership included regular Clean Site® environmental toolbox delivery on-site, support provided with site educational material development together with assistance with coordinating Clean-Up Flinders activities as part of KESAB's Road Watch program.

KESAB's Clean Site® training program continues to provide effective, direct and practical methods for students entering the construction industry and existing contractors to comply with environmental legislation.

Waste *audits*

Over the 2022-23 financial year, KESAB's experienced auditing team conducted small and large scale kerbside and commercial waste audits and Bin Systems Assessments for a variety of partners and clients.

Waste audits follow the recognised Zero Waste (now Green Industries SA) audit methodology to collect, sort, measure, and record waste data across the three bin streams.

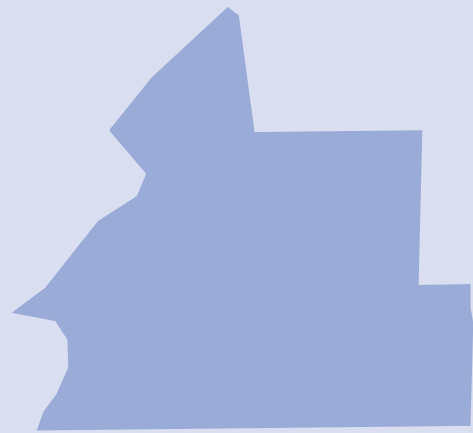
In the most comprehensive audits, waste is separated into almost 60 categories. Audits provide critical data and information to benchmark waste diversion and recovery efforts. Critically, they can assist in shaping future policy directions and developing education programs and campaigns to change behaviour and maximise resource recovery.

Ongoing periodic waste audits provide rigorous comparative data on diversion of material from landfill, as well as waste stream contamination.

Council kerbside bin inspections likewise provide valuable insights into use of the three bin system.

Bin Systems Assessments (BSAs) in business and organisation settings enable businesses to make informed decisions regarding waste management and waste education for staff.

Over the year, KESAB conducted kerbside and multi-unit-dwelling waste audits and Bin Systems Assessments/inspections for a number of local and state government partners and commercial clients including, but not limited to, Adelaide Airport, RAA, Northern Area Waste Management Authority and others.



Case Study Copper Coast Kerbside Waste Audit

Sample size

100 bins from each stream
(300 bins total)

Total material audited

4,318kg

General waste sample

1,195kg

Recycling sample

705kg

Organics sample

2,418kg

The Copper Coast audits exemplify the value of conducting comprehensive waste audits pre and post introduction of major waste systems changes.

Data from kerbside audits conducted in 2020 and 2022 demonstrate the difference in composition of waste streams prior to and post implementation of a full FOGO service.

The amount of organic material in landfill bins (% of total landfill sample by weight) dropped from 45% (2020) to 32% (2022), post FOGO rollout. Diversion of recyclable materials from landfill has also improved.

Before FOGO service

Landfill bin composition

2020 audit



223kg / 42% Food / non-garden organics

168kg / 32% Landfill

88kg / 17% Recyclables

36kg / 7% Special collections

13kg / 3% Garden organics

Recycling bin composition

2020 audit



572kg / 78% Recyclables

96kg / 13% Landfill

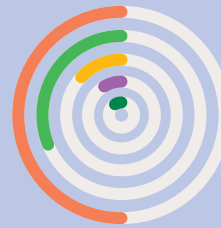
53kg / 7% Organics

13kg / 2% Special collections

After FOGO service

Landfill bin composition

2022 audit



592kg / 50% Landfill

349kg / 29% Food / non-garden organics

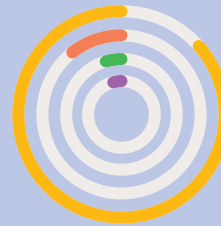
128kg / 11% Recyclables

96kg / 8% Special collections

30kg / 3% Garden organics

Recycling bin composition

2022 audit



575kg / 82% Recyclables

80kg / 11% Landfill

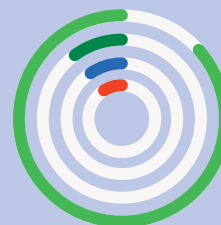
30kg / 4% Organics

20kg / 3% Special collections



Breakdown of material in organic bins

2022 audit



2056kg / 85% Garden organics

212kg / 9% Food organics

86kg / 3% Other organics

63kg / 3% Contamination

Green Adelaide



Members of the Green Adelaide Education (Central Adelaide) team

The Green Adelaide Education Team is proudly hosted at KESAB through a long-term partnership with the Green Adelaide Board.

92 schools engaged

147 events held

9 resources developed

7 teacher training events

Green Adelaide's vision is to see all schools and preschools creating a cooler, greener, wilder and climate-resilient Adelaide that celebrates our unique culture.

The KESAB based education team facilitates activities that enable pro-environmental behaviour change in line with the Green Adelaide vision, through in-school education and delivery of on-ground environmental projects and programs including the Youth Environment Council. The launch of the revamped Sustainable Schools program in November 2022 supports schools/early years sites to enable greater environmental and sustainability action.



Sustainable Schools Launch at Trinity Gardens School

Sustainable Schools

30 new schools registered for Sustainable Schools Program

The Green Adelaide Sustainable Schools Program launched in November 2022 with three showcase events held at Sustainable Schools: Trinity Gardens School, Valley View Secondary and St John the Apostle.

Sustainable Schools helps schools teach about and connect to the natural world, leads informed actions and enables active citizens. It supports the school and its communities to develop the values, skills and knowledge required to take action for sustainability and is aligned to the Australian Curriculum and the Early Years Learning Framework. The program is designed to support schools and early years sites to:

- develop a shared vision for sustainability
- include sustainability into site culture, curriculum and practice
- link with other sustainability focused school communities and service providers
- design hands-on learning, for example building frog ponds, vegetable plots and butterfly gardens
- investigate wildlife and create habitat in the school and community
- become a hub for sustainability education within local communities.

The Sustainable Schools launch in the central region held at Trinity Gardens School attracted 24 teachers/ staff/students and 16 staff from partner organisations.

The program includes refreshed resources to assist schools in particular the School Environment Management Plan and the SEMP 'how to' guide.

Youth Environment Council of SA

The Youth Environment Council (YEC) has run annually since 1997, enabling 11 to 17-year-old SA students to share their passion for the environment and run their own action projects in their local communities.

Green Adelaide staff delivered the YEC via leadership training, skill development, collaboration, project planning and mentoring projects to 43 students from 38 schools. A total of seven YEC programs were run during the financial year, including:

Consultation

Three YEC students participated in the SA Water 2024-2028 Regulatory Determination Process through feedback into the investment priorities and identified approaches/technologies over the next 4 years in relation to water resources. A wider group submission was provided to SA Water through URPS Consulting and was reflective of YEC member views.

Sharing and Celebration Forum 2022

YEC students chose from activities including nature journaling, a botanical treasure hunt, making seed bombs and newspaper pots, investigating bird behaviour and searching for insects and other invertebrates.

Displays covered a range of topics including food gardens, recycling stations, a radio interview with local tradesmen about recycling in their supply chain, fundraising for environment and community organisations, research on local threatened species, composting, creating wildlife gardens, litter clean ups and comparing the growth of native spinach vs baby spinach.

The Sharing and Celebration forum allowed YEC students to immerse themselves in nature and share their personal research and action projects. It included a visit from past YEC members, creation of a painting with Sasha Hill, a Yamatji/Noongar woman and an opportunity to showcase projects to VIPs and family and an award ceremony with guest speakers.



Youth Environment Council of SA members planting in the Cox Creek riverbank

Mentor Day 2023

The YEC uses an engaging peer-learning model, whereby experienced YEC members support Green Adelaide staff to mentor their fellow YEC students.

At the beginning of 2023, six new mentors met with staff to plan the year's activities and identify personal development areas; including self-confidence, leadership, public speaking and group work skills. The mentoring program is an integral part of training emerging leaders in the Youth Environment Council.

Welcome Forum 2023

The YEC Welcome Forum in March 2023 had YEC representatives from across SA including Eyre Peninsula, Yorke Peninsula, Murraylands and the South East.

Assisted by Green Adelaide staff and YEC mentors, the Forum focused on students getting to know each other, sharing their local regions, experiences and passions, and thinking about the individual sustainability projects.

Outdoor Camp

The YEC Leadership Camp was held at Arbury Park Outdoor School (APOS) in April. Members were involved in outdoor and indoor activities with the aims of building their skills as young changemakers, linking explicit learning to real world practice, and developing and planning the environmental projects they'll carry out as part of their involvement in the YEC.

Project topics include: revegetating to increase biodiversity, educating others about climate change, waste recovery at school, establishing a native food garden, creating a community garden and protecting local wildlife.

Staff from Green Adelaide Education and APOS collaborated to deliver a program that actively encouraged the students to connect with nature, challenge themselves and think deeply about their goals. A highlight was a presentation around the campfire from First Nations storyteller and educator Trent Hill. YEC members learnt about Aboriginal culture and connection to Country, were shown various tools and discovered their uses and were treated to a traditional story and animal sounds played on the Yidaki (didgeridoo).

Other camp highlights included orienteering, a night frog walk, landcare along Cox Creek, hearing from others about their experiences volunteering, bushwalks and building new friendships.

Key Partnerships and Events

The Green Adelaide team connects and partners with local government, non-government organisations (NGOs) including KESAB, businesses and State Government departments on projects to leverage support and resources available to schools and preschools to learn with their communities about living more sustainably.

Over the last 12 months, Green Adelaide Education (Central Adelaide) staff worked with 13 partner organisations on a range of activities. Some of these included:

State Sports Park

The State Sports Park Master Plan 2021 is a bold new vision for an accessible, green, connected sports, recreation and mixed-use park. The State Sports Park is a collaboration with key stakeholders: City of Port Adelaide Enfield, City of Salisbury, Department for Education, and Green Adelaide.

Green Adelaide supports the vision of a green, activated, connected sports and recreation park. This involves opening up spaces for a range of uses, providing better access and connections to these spaces, retaining the 'Forrester's Forest' as a key community space for recreation and nature-based activities, providing opportunities for the management of regional stormwater together with greening opportunities and other key environmental projects and providing partnerships for the management of the site into the future.

Green Adelaide Education are in the early stages of working with Roma Mitchell College to explore nature education opportunities at the Park.



Green Adelaide's frog expert Steve Walker presents at the Nature Festival 'Frog Walk and Talk' event at Unity Park Wetlands

FrogWatch SA

519 surveys submitted by 116 participants

19 frog species detected, including:

- **237** Common Froglet
- **225** Eastern Banjo Frog
- **216** Spotted Marsh Frog

Recordings were made across SA, including in the South East, Eyre Peninsula, SA Murray Darling Basin, North East, Flinders Ranges, Adelaide and Mount Lofty Ranges and Kangaroo Island.

19 frog species were detected, including the vulnerable Southern Bell Frog and the rare Bibron's Toadlet. A highlight was a recording from the South East of the Southern Toadlet, which is classified as Vulnerable in SA. During the Frog Census program, which preceded FrogWatch SA in the 1990s and early 2000s, the Southern Toadlet was only recorded a few times, the last was 1997, and the most recent SA record was submitted to the Atlas of Living Australia in 2016.

The rare Smooth Frog was recorded at numerous sites in the South East, and FrogWatch SA had its first recording of the Water-holding Frog, from the Lyndhurst Hotel located between Leigh Creek and Marree.

A majority of surveys were submitted from in and around the metropolitan area. The most recorded species was the Common Froglet, which was detected in 237 surveys. This was closely followed by the Eastern Banjo Frog (225), and the Spotted Marsh Frog (216). All three species have wide distributions throughout southeastern Australia and tolerate urbanisation well. Peron's Tree Frog also continues to be included in numerous recordings (153), including its natural range in the Murray Valley as well as the Mt Lofty Ranges and parts of the metropolitan area where it is established because of the pet trade.

Green Adelaide's frog expert, Steve Walker presented walk and talk sessions at Felixstow Reserve and Barossa Bushgardens Natural Resource Centre, participated in a bioblitz at Yookamurra Sanctuary for Landscape SA Murraylands and Riverland, and presented to the Goolwa-Wellington Local Action Planning Association.

Nature Festival Workshops



As part of the support for the Nature Festival, the Green Adelaide Education team in the central region facilitated two events.



Green Adelaide shines a light on creatures of the night at the Nature by Night walk.

Nature By Night

Participants were able to discover the creatures of the night in a fun and interactive ramble in the heart of the City at Pakapakanthi Park. Staff guided attendees to explore entire ecosystems and native wildlife including a wide array of birds, mammals, insects, frogs and other creatures. Highlights were calling banjo frogs, grey-headed flying foxes flying overhead at sunset, evidence of possums, bugs and tiny spiders.

Coastal Treasure Hunt

Held at Henley Beach South to discover the creatures, plants and other treasures that wash up on the shoreline. Families looked for 'treasures' and guided discussions about these included the yellow, orange and green coloured ascidians, thousands of tiny iridescent shells, a dead crab and a dead puffer fish.

Frog Spotting

Took place at the Unity Park Wetland in Pooraka. Attendees were guided on a frog hunt around the wetland as they learnt about the species present, how to get into FrogWatch. All three events were well received and encouraged participants to take a closer look at and connect with their local natural environments.

Our Big Backyard

Our Big Backyard (OBBY) is a project and tool which helps people to explore outside in a local area. OBBY connects people with local natural places while building family and community relationships. The treasure in our communities are the wild places where we play and learn. The way we feel about the places we live changes the way we care for our environment and each other. OBBY helps us to see those places, meet our neighbours and be proud of where we live.

This year the Green Adelaide team partnered with two councils and a host of other stakeholders for two OBBYs, one with the City of West Torrens and the other City of Tea Tree Gully for the St Agnes OBBY.

The St Agnes OBBY included a frog spotting session with the community at Gifford Reserve. The City of West Torrens OBBY provided activities in aquatic macro-invertebrate sampling and bird watching at the community 'come and try' day in October.

Port Adelaide Enfield Council School Holiday Program

Guest speaker James Smith from FauNature and Green Adelaide staff supported a Port Adelaide Enfield Council community education activity about the importance of tree hollows and the use of nest boxes to support native wildlife including birds, possums and bats. Nest box cameras were set up to inspect some of the nest boxes present at Pitman Park in Windsor Gardens.

Arbor Day

Over 60 members of the community attended to plant trees along a section of the Torrens Riverbank at Lockleys. Green Adelaide had a display of resources including ID charts, backyards for wildlife fact sheets, coastal garden guides and the National Park City 'things to do in the outdoors' poster. Children who attended identify and learned about the aquatic macroinvertebrates that inhabit the Torrens nearby – including mayfly larvae, damselfly larvae, shrimp, water boatman, caddisfly larvae and the micro-invertebrates seed shrimp. There were also a couple of gambusia, an introduced fish.

World Environment Day

This year the theme for World Environment Day was plastic pollution. The Green Adelaide team ran an interactive session about 'reversing plastic's impact on animals'. Students learnt about what animals need to thrive, the actions they can take at home or school to take care of the environment, and how to create habitat gardens that attract wildlife.

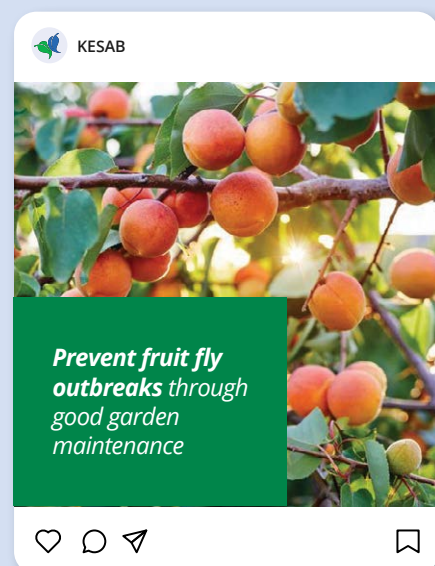
Media snapshot

KESAB continued its active media presence in 2022-23 on radio and television, in print, online and via social media.

KESAB remained a go-to information source for all things circular economy, waste and recycling. CEO Wendy Bevan provided media comment on a number of platforms over the year, including state television and metropolitan and regional radio. Topics covered a broad range of subjects including single-use plastics, container deposit scheme, litter, glass, packaging, textiles, the Rundle Mall bins trial and bringing back The Birdman Rally! On talk-back radio, KESAB staff answered callers waste-related questions. KESAB also provided articles for the Master Builders Association and the RAA – who were a founding member of KESAB back in 1966.

KESAB's social media engagement was via Facebook (with an approximate reach of 150K), LinkedIn and Instagram (with a growing reach). Posts included general information, promotion of local partner, school and community events and simple messages for the individual. These focused messages to educate or remind the individual often received the best engagement, prompting further information sharing and online discussion.

KESAB's website received over 50K page views, with a significant number of visitors from interstate and overseas, including Germany and the United States.



Our acknowledgements

Executive Committee

Chair

Ros DeGaris—DeGaris Consulting Pty Ltd

Vice Chair

Geoffrey Webster—Waste & Management Services

Treasurer

Damien Hern—Enhanced Lifestyles Incorporated

Executive Member

Ashley Watson—Piper Alderman Lawyers

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Barb Cowey—PIRSA

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Peter Tsokas—City of Unley

Rob Gregory—East Waste Management Authority

Tiffany Bermingham—AVK Flow Control Pty Ltd

Tony Fox—Sims Metal Management (to Oct 2022)

Troy Degnan—Sims Metal Management (from Oct 2022)

Financial Administration

Natacha Bursill—Nimblebiz Solutions

Staff

Wendy Bevan—Chief Executive Officer

Alison Hackett-Rogers—Environmental Services Manager

Dick Olesinski—Clean Site® Manager

Eloise Quihampton—Resource Recovery Education Officer and Lead Auditor

Erin Abell—Resource Recovery Education Officer

Jo Hendriks—Resource Recovery Education Officer

Kerrie Prossor—Resource Recovery Education Officer

Kirsten Couprie—Administration Manager

Lee Harrison—Wipe Out Waste Program Coordinator

Sarah Bruns—Litter and Sustainability Community Program Coordinator

Wendy Sutton—Resource Recovery Education Officer and Green Adelaide Central Education Officer

Amy Blaylock—Green Adelaide Central Education Officer

Cally Malone—Green Adelaide Central Education Coordinator

Elisia Banks—Green Adelaide Central Coordinator

Natalya Giffney—Green Adelaide Central Education Coordinator

Steven Walker—Green Adelaide Central Education Officer

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Royal Automobile Association of SA

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C M Hill AM

Ian Keech

L Swayne

Ian McGregor

D McCarthy BEM (deceased)

Vince Monterola AM AFSM

G Parsons

L Willetts (deceased)

Radio 5AD

Radio Triple M

NWS 9

John Phillips OAM

Vaughan Levitzke, PSM

Ashley Watson

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Michael O'Reilly

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Rotary Club of Victor Harbor

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Mike O'Reilly Public Relations

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RAA

Recyclers of SA

ResourceCo

Scout Recycling Centre

Solo Resource Recovery

Strathalbyn Rotary Club

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Campbelltown City Council
City of Charles Sturt
City of Marion
City of Mitcham
City of Playford
City of Port Adelaide Enfield
City of Unley

Local Government Members | Regional

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Berri Barmera Council
Clare & Gilbert Valleys Council
Copper Coast Council
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Town of Gawler
District Council of Kimba
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City of Mount Gambier
Rural City of Murray Bridge
City of Port Lincoln
Renmark Paringa Council
District Council of Robe
Tatiara District Council
City of Victor Harbor
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City of Whyalla
District Council of Yankalilla
District Council of Yorke Peninsula
Regional Council of Goyder
Coorong District Council
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CAWRA Central Adelaide Waste + Recycling Authority
CDSA Container Deposit Systems Australia
City of Adelaide
City of Burnside
City of Charles Sturt
City of Darwin
City of Holdfast Bay
City of Marion
City of Onkaparinga
City of Port Adelaide Enfield

City of Port Pirie
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City of Tea Tree Gully
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East Waste
Eco Marketing
Electronic Recycling Australia
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Green Adelaide
Green Industries SA
Hansen Yuncken
Integrated Waste Services
Jeffries
Kangaroo Island Council
Keep Australia Beautiful National Association Ltd
Kids Media
Legatus
Light Regional Council
Local Government Association of South Australia
Mars Wrigley's Confectionery
Mastec
Master Builders Association SA
McGregor Tan Research
Mike O'Reilly Public Relations
NAWMA (Northern Adelaide Regional Waste Authority)
Outback Communities Authority
Peats Soil
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
Scout Recycling Centre
Sims Metal Management Australia
Statewide Recycling
The District Council of Yorke Peninsula
Toolbox Graphic Design
Veolia Environmental Services
VISY Recycling
Water + Waste Innovations
WMRR—SA Chapter
YCA Recycling



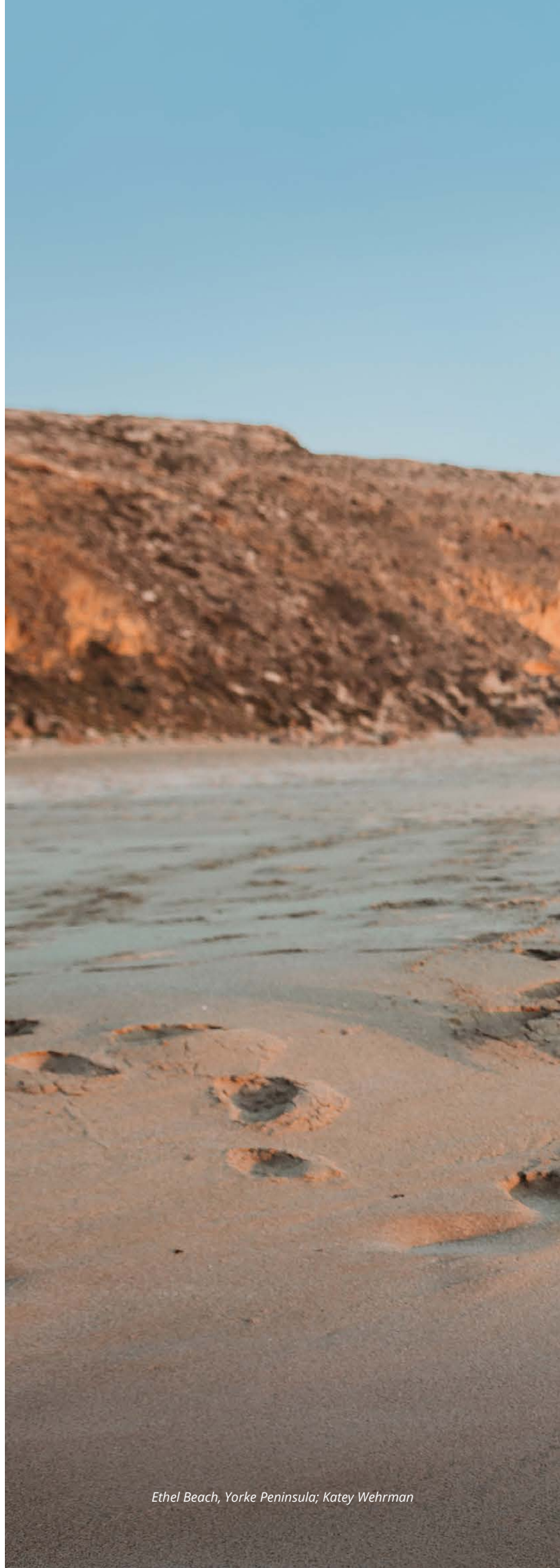
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