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Principal Partner  
**Westpac**

A close-up photograph of a kangaroo and its joey in a field of white flowers. The kangaroo is in the foreground, eating a flower, with its joey visible in a pouch. Another kangaroo is in the background, also eating a flower.

# Annual Report

2014/15

## **PASSION**

We inspire and influence through our valuable conservation efforts and recognise success.

## **EFFECTIVENESS**

We focus on clearly defined shared goals and support people to achieve them.

## **INNOVATION**

We seek creative ways to achieve goals and promote a culture of learning and improving.

## **INTEGRITY**

We are guided by our values and deliver on our promises.

## **RESPECT**

We respect individual's values and encourage a culture of collaboration, listening and trust.



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Principal Partner

**Westpac**

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A close-up photograph of a turtle's head, showing its textured, scaly skin and dark eye. The turtle is looking slightly to the left. The background is blurred, showing some green foliage and a light-colored surface.

# Zoos SA Vision, Mission and Goals

Zoos SA is a long-established and successful organisation that is an integral part of South Australia; since Adelaide Zoo opened to the public in 1883, six generations of South Australians have passed through its gates. It is a not-for-profit, conservation-based charity dedicated to biodiversity conservation with more than 35,000 members.

## OUR MISSION

Zoos SA is a conservation-based charity that exists to save species from extinction and to connect people with nature.

## OUR 20-YEAR VISION

Our vision is to lead and achieve long-term conservation change through our internationally renowned sites, programs and people.

## OUR BUSINESS

As set out in the Zoos SA Business Plan 2015 – 2020, the organisation has four primary goals and a series of broad strategies to achieve these. The relationship between the strategic plan and the business plan is shown below.

### STRATEGIC PLAN

**GOAL 1** Save species from extinction 5.1

**GOAL 2** Connect people with nature: inform, empower and inspire people to act 5.2

**GOAL 3** Work in an ethical and sustainable manner, influencing others to follow our example 5.3

**GOAL 4** Apply an innovative business approach to grow a sound and advancing organisation 5.4

### BUSINESS PLAN

Saving Species

Connecting People with Nature

Working Ethically and Sustainably

Building a Sound Business

A young kangaroo with brown fur is sitting on a bed of wood chips. It has blue casts on its front legs. The kangaroo is looking towards the right. A red banner is overlaid on the bottom left of the image.

# President's Report



**“It was heart-warming to see how much these animals touched the hearts and minds of our local community and the support we received as a result.”**

The Zoos SA Board is very pleased with what has been achieved over the last 12 months. It is exceptionally pleasing to record another financial surplus and see visitor numbers continue to rise. This year we redeveloped our board meeting schedule to help further improve our efficiency and strategic focus. The approach was designed to include quarterly standard board meetings, as well as strategic, topic-specific workshops scheduled through the year. We receive quarterly operational, business and finance reports from the CE and organisational performance reports every six months.

Our board membership has seen a couple of changes in recent times. In the latter half of 2014 we said farewell to board member Clive Watts and co-opted board member Bryce Coombe. Both Clive and Bryce were a fantastic asset to the group and contributed a high level of expertise. In November we were pleased to welcome Professor of Accounting Carol Tilt to the board and in May Tim Jarvis AM, explorer and environmental scientist, joined as a co-opted member.

In February, we launched the Zoos SA Master Plan. The plan sets a vision for the transformation of both Adelaide and Monarto Zoos over the next 20 years to create new and exciting memories for our members, supporters and visitors. The plan took 18 months to develop, requiring significant staff input, as well as formal meetings and planning sessions. It was a large scale project that the board is very pleased with, and if the results of the launch are anything to go by, we know many South Australians will be excited to see the plan come to fruition.

This year also saw the formal development of the Nature Theatre Team, which puts a renewed focus on animal presentations. Working closely with multiple teams across Adelaide and Monarto Zoos, Nature Theatre aims to improve existing animal presentations and also develop other new and exciting opportunities for our visitors to learn about our animals and connect with nature. This will no doubt ensure a value added experience for our visitors and more than 36,000 members.

The 2014/15 financial year as a whole has been positive for Zoos SA with the organisation recording another financial surplus and excellent visitor numbers across both sites. Adelaide Zoo recorded its third highest attendance figures in history and Monarto Zoo recorded another stellar year with its best visitor numbers to date. We also made a payment towards the loan we hold with Westpac earlier than required and continue to work closely with our lender to develop a payment plan for the remainder of the loan.

As I reflect on another year, I am reminded of the many reasons I am proud to lead the Zoos SA Board. One of which is the organisation's response to the Sampson Flat bushfires that saw the Adelaide Zoo Animal Health Centre take in a number of injured kangaroo joeys and koalas that required constant and intensive treatment. To handle the workload an army of volunteers, including staff, zoo volunteers, vet students, external consultants and local businesses, descended on the health centre to lend a helping hand. It was heart-warming to see how much these animals touched the hearts and minds of our local community and the support we received as a result. It is this value we add to the State and community, in addition to our conservation efforts and economic contribution through visitation and tourism that makes me proud to be a part of Zoos SA.

I would like to give my thanks to Elaine and the senior management team for delivering such positive outcomes for the year, and board members for their work and commitment to Zoos SA. I look forward to the 2015-16 year with great confidence.

# Chief Executive's Report





**“I am thrilled to also share the news that our zoo family now includes more than 36,000 members - the highest membership numbers we have ever recorded in our 137 year history.”**

It gives me great pleasure to report that both Adelaide and Monarto Zoos grew their annual attendance figures for a third year in a row, with Monarto Zoo celebrating its most successful year to date. I am thrilled to also share the news that our zoo family now includes more than 36,000 members – the highest membership numbers we have ever recorded in our 137 year history.

In June, off the back of the launch of our Master Plan, we announced a new partnership with Variety SA to create an interactive and inclusive playground at Adelaide Zoo. It is wonderful to join forces with Variety SA and have two great South Australian charities working closely alongside each other. This is just one example of the many valued relationships the zoo enjoys, and we thank all our partners that help us create an organisation that all South Australians can be proud of. In turn, our partners are able to celebrate in our success in achieving some amazing conservation outcomes in the fight against extinction and be recognised alongside a leading conservation charity.

Nature’s Playground is the first major project from the Master Plan to get off the ground and will create opportunities for children of all abilities to have fun, challenge themselves, learn about nature and explore the natural world in a fun and engaging way. The new precinct will include nature inspired play equipment, climbing structures, water play features and aerial walkways that give a unique view of the Adelaide CBD and riverbank. The development was funded through our own resources and also from the support of Variety SA and many other sponsors. These partnerships have allowed us to commit to the project in a financially responsible manner. Nature’s Playground is set to open in December 2015, just in time for the summer school holidays and Christmas period.

This year we celebrated many achievements in breeding and conservation with several key births including twin critically endangered Golden Lion-tamarins, a Hamadryas Baboon infant (the first to be born in almost a decade), endangered twin Red Panda cubs and countless Patagonian Cavy (Mara) and South American Capybaras at Adelaide Zoo and two Przewalski’s Horse foals, three American Bison calves and two Tasmanian Devil joeys at Monarto Zoo to name a few. While we said goodbye to some much loved zoo residents

- Ring-tailed Lemur, Hoss passed away at nearly 40 years of age, Cassie the Southern Cassowary and Al G, the Hoffman’s Sloth, at Adelaide Zoo and three female giraffe and two male Cheetah at Monarto Zoo. I am also thrilled and humbled by our world-first achievement in saving an orphaned Goodfellow’s Tree-kangaroo by utilising a surrogate wallaby mother – a technique never attempted before with a Tree-kangaroo.

I am very pleased with how Zoos SA performed through 2014/15 against our key performance indicators set out in our Business Plan. Each year this plan is reviewed and updated to reflect the significant achievements already made and the areas which require focus for the next 12 months. When reviewing the Business Plan for 2015/16 our focus will be on six key areas:

- Continue to grow visitation and member numbers.
- Implement the Master Plan to deliver successful and dynamic sites.
- Strengthen conservation and education outcomes.
- Build the “zoo community” beyond our gates.
- Strengthen staff engagement, health and development.
- Advance our financial goals by diversifying our income streams and investing in the future.

We have also continued to implement detailed plans across all areas of our business to ensure we can continue to drive improvements and positive outcomes. These plans include areas such as environmental management, marketing and fundraising, visitor experience, human resources and IT.

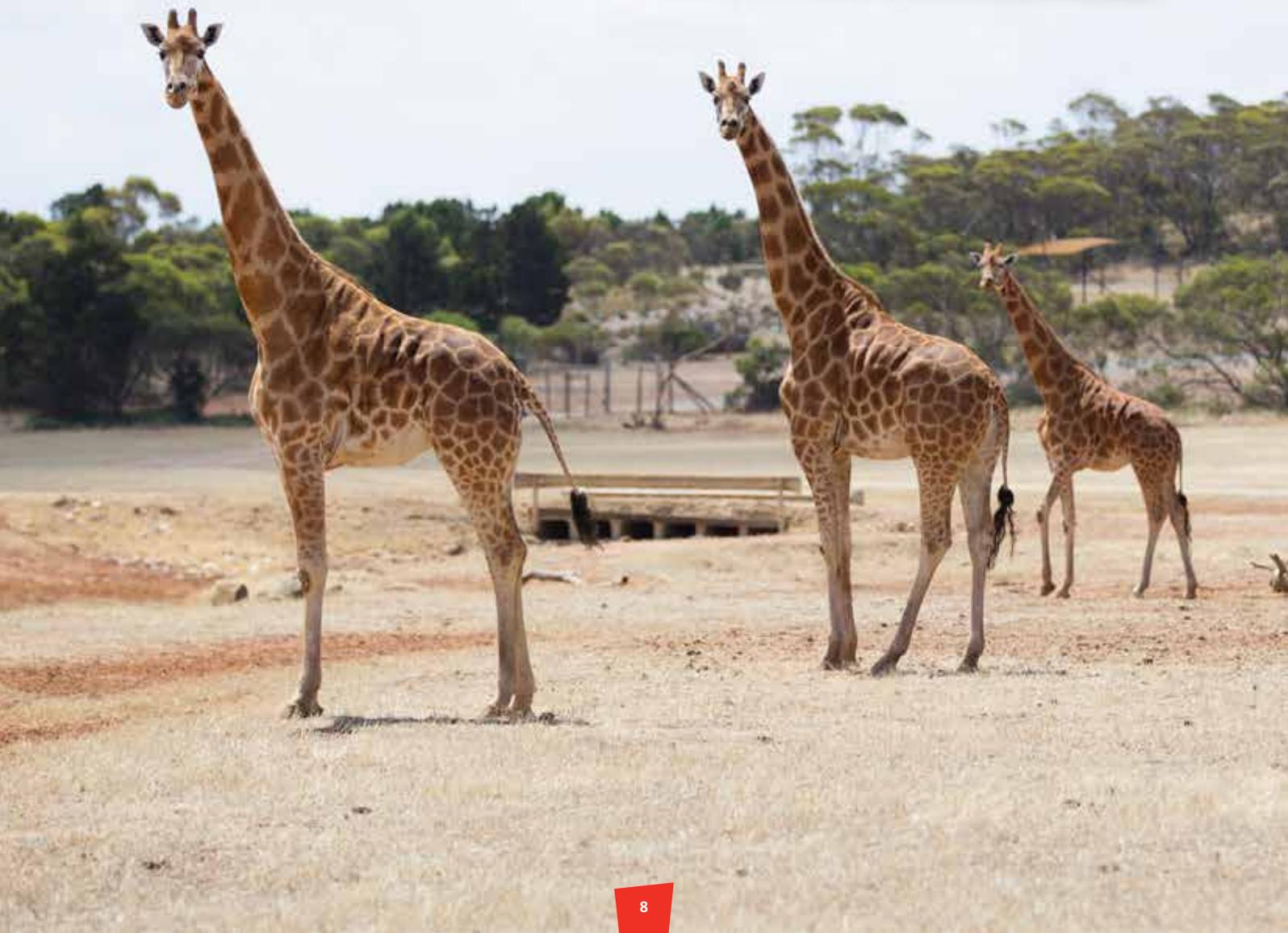
My sincere thanks to everyone who helped make 2014/15 a year to be proud of; from our dedicated staff and volunteers, to our loyal membership base, partners and supporters, and of course the ever supportive board and senior management team. We are proud of our achievements and very excited about the future.

**ELAINE BENSTED**

Chief Executive  
Zoos SA

# Board Members and Governance

In line with the rules of the society, Zoos SA is governed by a volunteer board with members donating their time and professional expertise. Board members are responsible for the performance of the incorporated association. The board draws on and applies relevant corporate governance principles and practices, has approved a charter and ensures conflicts of interest are considered at every meeting. Day-to-day management of the business is delegated by the board to the chief executive and senior management team, with quarterly performance reports provided to the board from the chief executive.



## ZOOS SA BOARD



### DAVID SANDERS

President

David Sanders is a partner in the Adelaide assurance practice, Ernst & Young and is a qualified chartered accountant and registered company auditor. David and his family have been members of the zoo for many years.



### KATE THIELE

Kate is the Chief Executive of Guide Dogs SA and has more than 10 years of board and executive experience. Her experience in the not-for-profit sector and governance brings valuable skills to the board.



### RODNEY HOBBS

Vice President

Rodney is a lecturer and tutor in Contemporary Accounting Theory and Accounting for Management at the University of South Australia. He has extensive experience from his time working for 17 years in the Department of Treasury and Finance and the Department for Environment and Heritage.



### JULIEANN RIEDSTRA

Julieann is the Deputy Chief Executive, Resources of the Department for Education and Child Development. Julieann has more than 25 years experience in the South Australian public sector in finance, corporate services and infrastructure roles. Julieann has been a Life Member since 2008.



### GRAEME CROOK

Graeme is a zoologist and a research manager at Adelaide University for the Cooperative Research Centre for High Integrity Australian Pork. He has extensive knowledge in animal management and conservation.



### CAROL TILT

Carol is a Professor of Accounting at the University of South Australia and a Fellow of CPA Australia. Carol is passionate about conservation and is a member of several environmental and animal welfare groups.



### TRACEY SHEPARD

Tracey Shepard is the Rightshore Officer at Capgemini Business Services and is the chair of the Adelaide office's Corporate Social Responsibility Committee. Tracey brings her experience in building and nurturing multicultural relationships to the board.



### TIM JARVIS AM

Tim combines his love of adventure with a passion for the natural world - demonstrated through his work as an environmental scientist, public speaker and explorer of some of the planet's remotest places. His environmental background and public advocacy experience will strengthen the board and its governance.



### KEVIN MCGUINNESS

Kevin is a chartered accountant with more than 25 years experience in senior finance and operation roles. He is the past president of the society with a passion for the zoo and the role it plays within the South Australian community.

## PREVIOUS BOARD MEMBERS

BRYCE COOMBE

CLIVE WATTS



## BOARD MEETING ATTENDANCE 2014-15

BOARD MEMBER	NUMBER OF MEETINGS ELIGIBLE TO ATTEND	NUMBER OF MEETINGS ATTENDED	APPOINTED
Bryce Coombe	7	5	Finished 31/12/2014
Carol Tilt	6	5	Appointed 25/11/2014
Clive Watts	6	6	Finished 25/11/2014
David Sanders	12	12	Appointed 6/12/2012
Graeme Crook	12	9	Appointed 6/12/2012
Julieann Riedstra	12	11	Appointed 27/8/2013
Kate Hartwig (Secretary)	12	11	Appointed 28/11/2013
Kate Thiele	12	11	Appointed 27/11/2012
Kevin McGuinness	12	11	Reappointed 25/11/2014
Rodney Hobbs	12	12	Reappointed 28/11/2013
Tim Jarvis	1	1	Appointed 28/5/2015
Tracey Shepard	12	12	Appointed 28/11/2013

## SUB-COMMITTEE MEMBERSHIP AND ATTENDANCE 2014-15

	NUMBER OF MEETINGS ELIGIBLE TO ATTEND	NUMBER OF MEETINGS ATTENDED	APPOINTED
<b>RISK AND GOVERNANCE COMMITTEE MEMBERS</b>			
David Sanders	3	3	28/11/2013
Kate Hartwig (Secretary)	3	2	28/11/2013
Kate Thiele (Chair)	3	3	24/1/2013
Kevin McGuinness	3	3	24/1/2013
<b>FINANCE AND AUDIT COMMITTEE MEMBERS</b>			
David Sanders	11	10	4/2/2011
Kevin McGuinness (Chair)	11	11	10/8/2010
Rodney Hobbs	11	11	10/8/2010

## ZOOS SA SENIOR MANAGEMENT

The chief executive and senior management team are responsible for the implementation of corporate strategy and business plan initiatives. The organisation is managed through five divisions with each director supported by a team of staff and a formal delegations manual outlines the level of authority held by positions within the organisation.

DIRECTOR CORPORATE SERVICES	DIRECTOR LIFE SCIENCES	DIRECTOR BUSINESS OPERATIONS	DIRECTOR CONSERVATION, PLANNING AND SUSTAINABILITY	DIRECTOR HUMAN RESOURCES
Jon Munn	Peter Clark	Sarah Brown	Vicki-Jo Russell Stella Kondylas (Acting)	Leonie Murphy



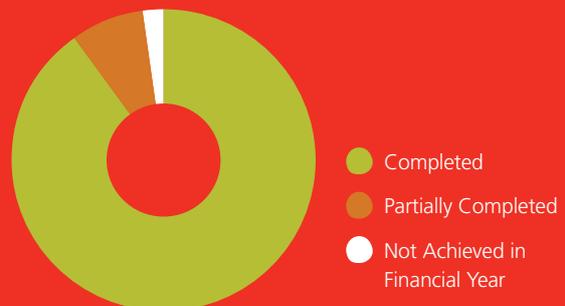
# Year in Review Snapshot

## OUR GOALS

This financial year Zoos SA tracked and reported progress against a set of activities outlined in its business plan. This plan is guided by our strategic plan and the activities span all areas of the organisation. Over the year significant headway was made against many of the tasks with the majority completed within this financial year or well progressed.

Out of a total of 57 individual tasks detailed in the 2014 business plan, 52 were achieved.

## FIVE YEAR BUSINESS PLAN



# 6,500

native grasses, plants  
and mint bushes  
added to the Monarto  
Zoo biodiversity  
research site

New members

12,330 + 236 = 12,566  
annual members life members total new members

Total members

31,771 + 1,862 + 2,374 + 35  
annual members corporate members life members other



# 445 animals were born

at Adelaide Zoo

# 46 animals were born

at Monarto Zoo

# 997

Animal adopters

Most popular  
animal to adopt

# Southern White Rhinoceros

# 404,111

people visited Adelaide Zoo

# 123,389

people visited Monarto Zoo

# 6,692

 visitors participated in  
Behind the Scenes  
Experiences

# 2,359

 visitors participated in  
Adelaide Zoo Westpac  
Brief Animal Encounters

# 51,228 visits

through Adelaide  
and Monarto Zoo's

# Zoo Learning program

Supporting  
African  
Rangers

# 36

wildlife rangers  
received life insurance

through Zoos SA contributions

More  
than

# 600

# registered volunteers

across both sites



# Year in Review

## Finance Snap Shot

The last twelve months have continued to see some fantastic outcomes for Zoos SA and we are very pleased to report that we have generated a \$916,576 surplus for the year, \$1,342,251 better than the deficit budget of \$425,675. Despite a tough budget and challenging revenue targets we have improved our base financial standing. After achieving strong visitor growth during the last financial year, 2014/15 saw Monarto Zoo once again achieve its highest ever visitors numbers and Adelaide Zoo increase visitation by 2.6% compared to the prior year. This was driven by record membership levels and high membership and education visitation at both sites. This resulted in a \$223,000 increase in membership income and \$107,000 in education compared to the prior year. Whilst paid admissions and retail were marginally below last year, 2013/14 included the very popular dinosaur attraction which significantly boosted visitation. Outside of this, 2014/15 exceeded 2013/14 paid visitation.

The year also saw the receipt of some one-off items that contributed to the strong result. After ceasing operations at Warrawong Sanctuary in 2012/13, during this financial year we were able to negotiate with the landowners, Ngarrindjeri Ruwe Contracting, to terminate the lease which was not due to expire until June 2025. This resulted in the reversal of the previously recognised onerous lease. We also received bequest income totalling \$1,531,798. Other significant income streams including catering, events, tours, fundraising and sponsorship consolidated on the prior year's growth. It remains a difficult market for corporate sponsorship and corporate venue hire. The significant reduction in sundry income was primarily due to a historical GST and fuel tax credit refund of \$561,000 received in 2013/14.

Expenditure was tightly controlled and came in under budget with opportunities taken to drive efficiencies. To achieve revenue, visitation and membership growth, whilst tightly controlling expenditure, is a clear measure of improved productivity. As a business we are facing cost pressures, particularly with energy and water prices. To overcome this, we continue to explore a number of innovative opportunities to reduce cost and consumption and we expect to realise further reductions in the 2015/16 financial year.

We were able to invest \$1,300,000 in much needed capital maintenance and upgrades during the year. This compares to \$1,000,000 the prior year (and \$370,000 in 2012/13), however what is clear is that there is no capacity to reduce the investment level with the bulk of this expenditure on maintenance and compliance issues rather than significant new exhibits or upgrades. We will increase our capital spend during 2015/16 and invest in an exciting new Nature's Playground at Adelaide Zoo.

We also invested \$500,000 in shares as part of our long-term investment strategy thanks to a bequest we received late in 2013/14.

A significant financial outcome during 2014/15 was a debt repayment of \$1,000,000 from our operating surplus, well ahead of schedule. This meant that Westpac and the South Australian State Government agreed to remove a requirement we had to sell land we owned at Monarto. Our level of debt with Westpac is now \$6,500,000.

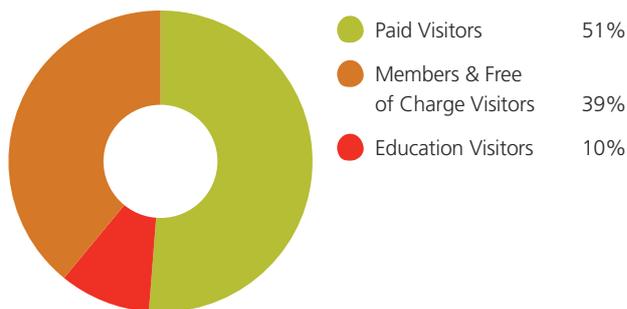
In preparing our business plan for future years, we have developed a forward budget that enables debt payments against our Westpac loan from within our annual operating budget. The debt repayment schedule will continue to be discussed with Westpac and the State Government throughout the period addressed by the plan.

### KEY ACHIEVEMENTS:

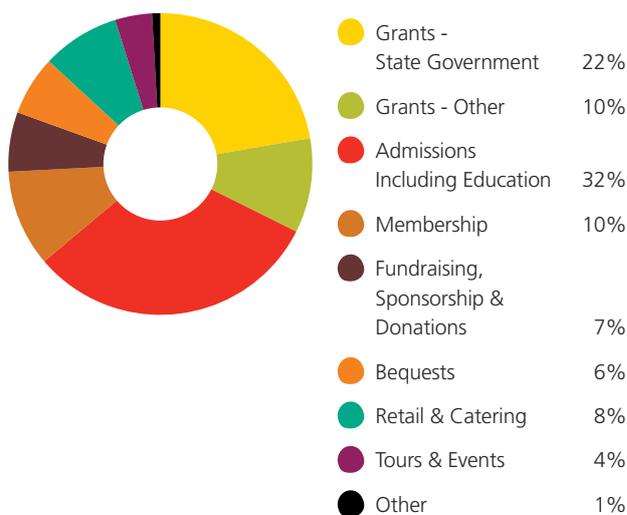
- Generating a significant surplus;
- Improving cash flow and our investment holding;
- Continued improvements to purchasing and procurement practices;
- Increasing capital spend with further growth planned for 2015/16;
- Controlling expenditure in both salaries and goods and services;
- Consolidating key revenue items;
- \$1,000,000 debt repayment ahead of schedule;
- Retention of Monarto land;
- Negotiating the termination of the Warrawong lease.

For further information, Zoos SA Audited Financial Statements can be viewed from page 48.

### VISITOR NUMBERS

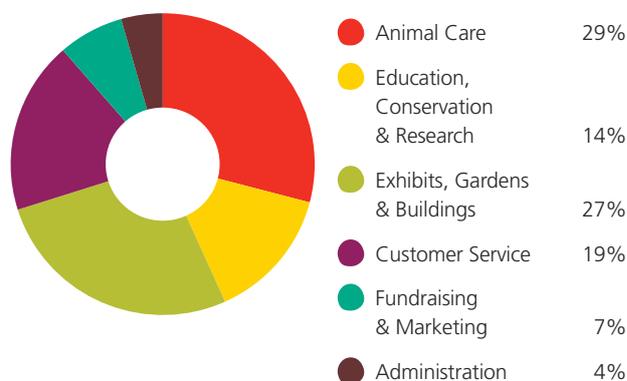


### REVENUE



This is a graphical representation of the society's revenue for 2014/15 as detailed in table form on page 53. Grants revenue has been further separated into 'State Government' and 'Other' categories.

### EXPENSES



This is a graphical representation of the society's expenses and how it spends its revenue. Salary costs have been allocated to the categories listed above so as to provide more detailed information on how funds are spent.



# Saving Species from Extinction

The last 12 months have been significant with a number of important births, deaths and new additions at both zoos.

A major achievement for Adelaide Zoo this year saw an orphaned Goodfellow's Tree-kangaroo saved by utilising a surrogate wallaby mother – a technique never attempted before with a tree-kangaroo. This world-first achievement for conservation demonstrates the skills and expertise of our staff. Successful breeding of the critically endangered Western Swamp Tortoise also continued with the birth of one hatchling this year.

At Monarto Zoo, one of the greatest achievements this year was to hand-rear a female Scimitar Oryx after her mother died from birthing complications, which resulted in a successful re-introduction to the herd. DNA testing also determined the parentage of our juvenile female Chimpanzee; to the teams' surprise Zuri's father is not our alpha male, Tsotsi, but

Sandali, the youngest male in the group. This year a specialised facility was developed at Monarto Zoo to house an insurance population and breed the rare Pygmy Blue-tongue Lizard.

Staff across both sites attended and participated in various training and development conferences and workshops, improving skills and increasing knowledge in areas such as training and conditioning concepts, animal enrichment, behaviour management and presentation skills.

A complete listing of animals housed at Adelaide and Monarto Zoos listed under the Convention on International Trade in Endangered Species of Wild Fauna and Flora and International Union for the Conservation of Nature is detailed in Appendix A.

## ADELAIDE ZOO

### Welcomed additions

**August – December 2014** Two male and one female Black-winged Stilts hatched, while five males and two females were transferred to other institutions as part of the regional breeding program

**September 2014** Male Goodfellow's Tree-kangaroo born, sadly its mother passed away and was cross-fostered into the pouch of Yellow-footed Rock-wallaby during a world-first procedure. The joey survived and is thriving

**October 2014** Golden Lion-tamarin twins, a male and female, born bringing the family total to six in the habitat

**October 2014** Male and female Tawny Frogmouth chicks hatched in the Children's Zoo

**October 2014 – March 2015** Four Pygmy Marmoset young born over this period

**October 2014 – March 2015** 14 Patagonian Cavy (Mara) born

**October 2014 -June 2015** 14 Capybara were born between our two females

**November 2014** One Australian Little Penguin hatched, we also received a new male and female from Melbourne Zoo as part of the regional breeding program

**November 2014 - April 2015** A new pair of Greater Stick-nest Rats arrived and have produced five young to date

**December 2014** Hamadryas Baboon male born, first young born in more than nine years

**December 2014** Three Hosmer's Skinks were bred in the Reptile House

**January 2015** Two female Mainland Tammar Wallabies born

**January 2015** Five Helmeted Guineafowl hatched in the Children's Zoo

**January 2015** Twin male Red Panda cubs were born, while last year's male and female cubs were transferred to other zoos to support the regional breeding program

**January -March 2015** Three Ghost Bats were born, one male required hand-rearing and is now assimilated into a small group

**March 2015** One critically endangered Western Swamp Tortoise hatched, with the previous breeding season's hatchlings being transferred to Perth Zoo

**March 2015** Male Alpaca was born

**April 2015** One male Serval was born, unfortunately passed away due to an epileptic-like seizure, most likely brought on by a foreign body lodged in his intestine

**Throughout the Year** - Various species of beetles, blistered pygomorphs, snails, katydids, grass mantis, stick insects and grasshoppers were introduced to the Westpac Envirodome.

**Throughout the Year** - Brush-tailed Rock-wallabies continue to be fostered to Yellow-footed Rock-wallabies at Adelaide Zoo and Waite Campus, with 19 births and cross-fosters across the two sites.

### Sorely missed

**July 2014** Southern Cassowary female passed away suddenly from a medical condition

**August 2014 – March 2015** Three male Bigbelly Seahorses passed away due to old age

**November 2014** Sumatran Orang-utan had a stillborn female infant

**November 2014** Dalia our female Veiled Chameleon passed away at the ripe old age of six

**January 2015** Hoffman's Sloth male, AL G, passed away at a grand age of 26

**January 2015** Ring-tailed Lemur, Hoss passed away at nearly 40 years old and had served the zoo well engaging numerous visitors during animal encounters

**January 2015** Nama, a three year old female Quokka, passed away due to a medical condition

**May 2015** Female Matschie's Tree-kangaroo, Kiunga, passed away at the age of 24 due to age related medical conditions

**May 2015** A 37 year old female Green Anaconda passed away due to age related complications

**June 2015** Simon the Bearded Dragon passed away due to a medical condition

**June 2015** Our Dusky Leaf-monkey family lost two troop members; our adult male passed away with a medical condition and one of the oldest females in captivity passed away at the ripe old age of 27

## New to the zoo

**July – December 2014** Black Rock Scorpion, Golden Land Snails, Hide Beetles, leaf insects, Pie dish Beetle, Red-spotted Chafer Beetles, Red-lined Cleaner Shrimp, one Australian Tarantula and two Water Scorpions

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**November 2014** Red-bellied Black Snake collected from the wild was exhibited for the first time in a number of years

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**January – June 2015** Bubble pond Snail and Freshwater Land Crabs

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**April 2015** Two (new) female Highland Cattle arrived on loan from a private breeder and the previous two returned to the owner

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**April 2015** Male Wedge-tailed Eagle was donated and is now being housed in the Children's Zoo and will be used for public presentations

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**April 2015** Male African Grey Parrot was donated to the zoo to become a companion for our singleton

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**May 2015** Two female Malleefowl received from Monarto Zoo

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**May 2015** Four Little Egrets joined the bird family

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**June 2015** Four Wandering Whistling-ducks were acquired for our Wetlands Aviary

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**June 2015** Goodfellow's Tree-kangaroo female imported from Europe as part of the international breeding program

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## Departures

**December 2014** Eight goats, three sheep and three deer were rehomed to a private carer

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**February – June 2015** Three male Patagonian Cavy (Mara) were transferred to Gorge Wildlife Park, while four males were transferred to Monarto Zoo for holding

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**March – June 2015** Two female Capybara were transferred to Auckland Zoo, while two males and two females were transferred to Altina Wildlife Park

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**May 2015** Five Glossy Ibis and six Little Pied Cormorants were transferred to Gorge Wildlife Park

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**June 2015** Our entire flock of Barbary Sheep, three males and five females, were transferred to Monarto Zoo

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**June 2015** Pair of Freshwater Crocodiles were transferred to Kangaroo Island Wildlife Park

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**June 2015** One Fijian Crested Iguana was transferred to the Australian Reptile Park

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**June 2015** The last male Collared Peccary was transferred to Melbourne Zoo to be integrated into the only remaining group within Australia

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## Giant Panda

September 2014 was the Giant Panda breeding season at Adelaide Zoo. A huge improvement in natural breeding behaviours was observed in both pandas. Introductions between Wang Wang and Fu Ni were carried out across three days and while no mating occurred it was the first year that Wang Wang was observed displaying behaviours consistent with a mature, dominant male.

The 2014 breeding season allowed the animals to develop their breeding skills together, which will assist greatly during future breeding seasons.

## MONARTO ZOO

### Welcomed additions

**July 2014** – Scimitar Oryx female born, which was hand-reared after its mother died from complications during the birthing process. The calf was successfully reintroduced back into the oryx herd

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**July 2014 – March 2015** Eight Blackbuck calves born

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**September – December 2014** 23 Barbary Sheep lambs born

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**August – September 2014** Three American Bison calves born

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**October 2014 – May 2015** Eland numbers continue to increase with three successful births

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**December 2014 and March 2015** Przewalski's Horse population saw the birth of two foals, a male and female

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**February 2015** Birth of one male and one female Mainland Tammar Wallaby joeys

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**March 2015** The Tasmanian Devil breeding season saw two female joeys born

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**March 2015** Yellow-footed Rock-wallabies have bred again with two in pouch at our Wallaby Gorge exhibit for visitors to enjoy

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**April 2015** Brush-tailed Bettongs are now on display again in the Malleefowl Aviary and the female has a pouch young

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### Sorely missed

**July 2014** Monarto unfortunately lost one young female American Bison and her unborn calf for undetermined reasons

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**October 2014** A female Australian Bustard was euthanised due to leg issues

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**October 2014 and January 2015** Lost two adult Przewalski's Horses

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**October 2014, January and March 2015** Lost three adult male Elands and one older female

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**November 2014, April and May 2015** Our giraffe herd has suffered the loss of three female giraffe, varying in age from young to elderly

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**December 2014** Sadly we lost a male and female Cheetah who both succumbed to renal failure as well as a tragic death of a new, young breeding male due to trauma sustained after a fighting incident

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**December 2014, January and July 2015** Lost two adult Addax and a stillborn female

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**April 2015** A post-breeding female Tasmanian Devil was euthanised after being diagnosed with hip dysplasia

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#### **New to the zoo**

**August 2014** Two male Przewalski's Horses arrived from Taronga Western Plains Zoo

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**September 2014** Received a female Black and White Colobus Monkey female from National Zoo and Aquarium

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**October 2014** A new captive breeding program for the endangered Pygmy Blue-tongued Lizard was started with the capture of eight males and eight females from the wild

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**November 2014** Received a male Waterbuck to pair with our only female

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**December 2014** A female Tasmanian Devil was received from Healesville Sanctuary to participate in our breeding program

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**December 2014 – May 2015** King Cheetah on loan for several months from Taronga Western Plains Zoo for breeding purposes

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**March 2015** A male and female Greater Bilby were received as part of the regional breeding program

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**April 2015** With our Addax population ageing we were able to import a young female from Werribee Open Range Zoo

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**May 2015** A young Australian Bustard chick was acquired from Alice Springs Wildlife Park and will be introduced to our group for breeding purposes and potentially used as an encounter or presentation animal depending on how it responds to training

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**May 2015** Two young Eland were received from Taronga Western Plains Zoo

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#### **Departures**

**September 2014 – February 2015** A male and two female Black and White Colobus Monkeys were transferred to National Zoo and Aquarium

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**October 2014** A bachelor group of six African Wild Dogs along with two young male Spotted Hyenas were transferred to the National Zoo and Aquarium

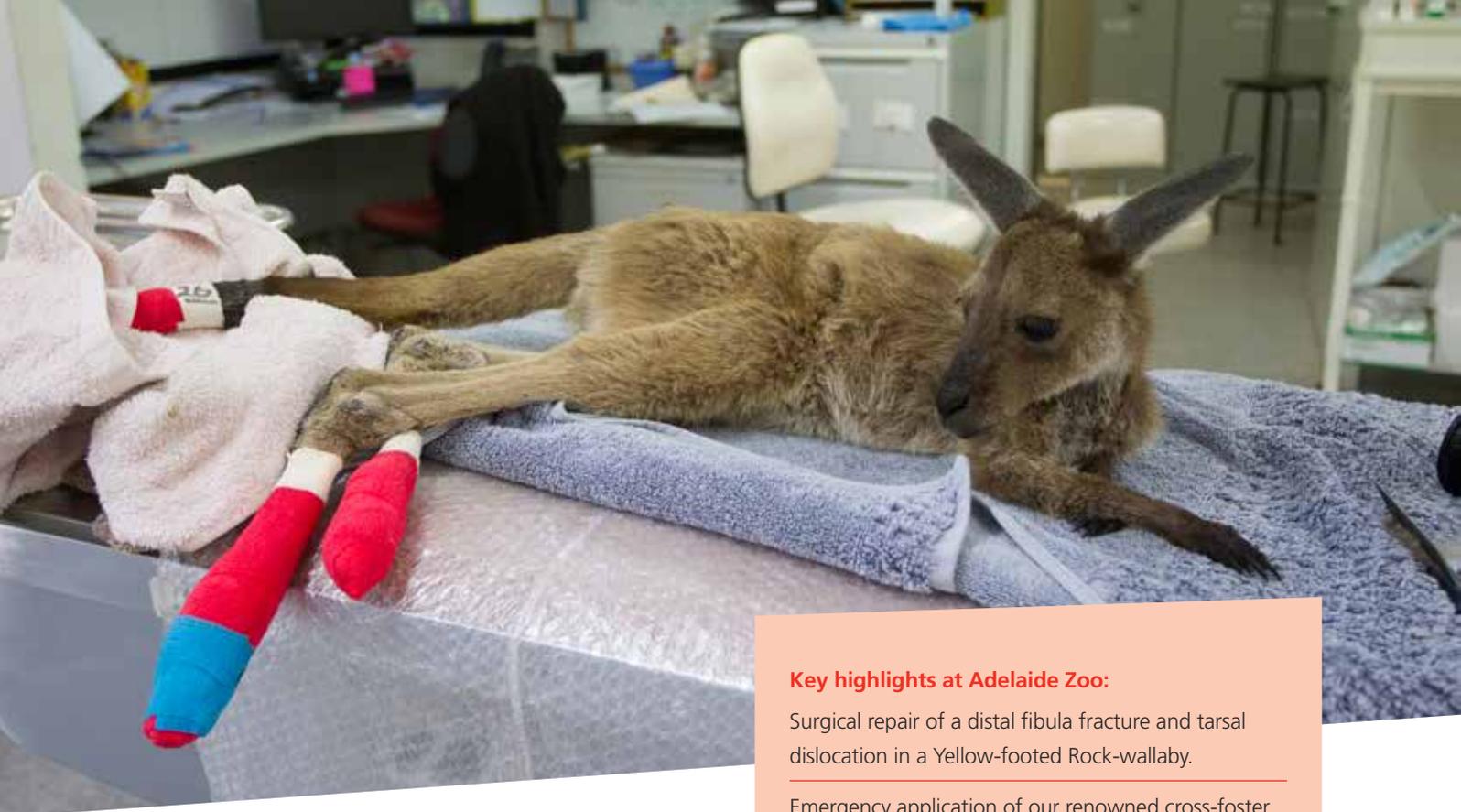
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**December 2014** Two Tasmanian Devils were sent to other zoos in preparation for the breeding season

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**April 2015** Two male and four female Black-flanked Rock-wallabies (waru) were released to the pintji in Anangu Pitjantjatjara Yankunytjatjara Lands. One of the females was found dead not long after release but all others are doing well

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## ANIMAL HEALTH

As always it has been a busy year in the Animal Health Department. We were very-much focused on our response to the Sampson Flat bushfires at the start of 2015, which led to a backlog of normal case work across the animal collection. Our response was helped by amazing support from a team of volunteers and corporate supporters.

Two long-term staff members returned from maternity leave and fitted seamlessly back into the team.

Onsite the team presented talks to Zoos SA staff and volunteer groups, career workshops as well as hosting visitors from Ronald McDonald House. In addition the team remained dedicated to the training and supervision of both undergraduate and post-graduate veterinarian university students.

Staff across both sites attended numerous conferences and workshops and a considerable amount of work occurred in field, conservation and science. As in-house diagnostic capabilities are expanded and applied research opportunities are explored, the veterinary team will continue their work of caring for zoo animals.

### CLINICAL SERVICES

There have been a number of both interesting and challenging cases over the past 12 months.

#### Key highlights at Adelaide Zoo:

Surgical repair of a distal fibula fracture and tarsal dislocation in a Yellow-footed Rock-wallaby.

Emergency application of our renowned cross-foster technique involving an orphaned Goodfellow's Tree-kangaroo.

With good preventative health care we are seeing that our animals are living longer and therefore we are seeing an increase in diseases that have an age-related component:

- An aged Hoffman's Sloth developed gastric bloat which ultimately led to his euthanasia;
- An aged Dusky Leaf-monkey developed a blockage of his intestine with a phytobezoar, which can be partially attributed to worn teeth.

#### Key highlights at Monarto Zoo:

Specialist surgical repair of an indolent (non-healing) eye ulcer in a Cheetah. This condition has been seen exclusively in our aged males with this being the fourth in recent years.

Intensive training for conscious blood collection to allow the direct mapping of physiological indices of disease in specific animals: Cheetahs for renal failure and Southern White Rhino to monitor pregnancy.

The genesis of a treatment plan for a sudden death syndrome seen previously in giraffe. Unfortunately with few ante-mortem diagnostic options, a tailored treatment plan could not be instituted and she died two weeks later of secondary issues.



### Key Wildlife Highlights:

Heavily involved in the treatment and rehabilitation of Western Grey Kangaroos and to a lesser extent koalas affected by the Sampson Flat bushfires in January. Our efforts were coordinated through South Australian Veterinary Emergency Management who triaged animals on the fire ground. Of the four koalas that arrived three were released to carers within two weeks of admission; of the 17 kangaroos - only eight were sent to a private property for a soft release some 14 weeks later. The majority of the deaths were attributable directly or indirectly to smoke inhalation. A huge thank you must be given to all the volunteers, staff and donors who contributed to our ability to respond as we did.

Involvement in a Western Quoll reintroduction program in the Flinders Ranges, including necropsy to gauge cause of death for those that died, and medical support for those injured. We also hand-reared an orphaned litter of seven joeys that were successfully released to the wild; success, in this case, was measured by persistence within the free-ranging population and subsequently breeding of these individuals.

We continue to be involved in an Australia-wide wildlife surveillance project.

### Facility and Equipment

Refurbishment of the Monarto Zoo necropsy facility has vastly improved the Work Health Safety standards for staff and biosecurity generally.

The installation of a self-contained composting waste disposal system (Biobin) builds further on these biosecurity gains at Monarto.

Renovation of the Adelaide Zoo necropsy facility is progressing with expansion of the Animal Health Centre as an interactive hub being incorporated into the design.

Migration of our medical data into Zoological Information Management System (ZIMS) - a worldwide zoo-industry database, which has seen a paradigm shift in how we record animal medical records.



## CONSERVATION PROJECTS

Zoos SA has continued its work in conservation programs both nationally and internationally; much has been achieved with staff from across the organisation collaborating to reach key conservation milestones. Our new Conservation Directions outlines a framework to help prioritise, support and communicate our conservation efforts. The framework identifies three focus regions:

- **Our Backyard:** Conserving South Australia's threatened native species and ecosystems
- **Our Region:** Conserving threatened species or habitat beyond our State in Australasia
- **Our Planet:** Contributing to international conservation efforts

In addition, the framework aligns our conservation work closely to our strategic plan and identifies a series of operational criteria for selecting and developing effective projects. Over the last 12 months our conservation activities have been reviewed against this framework to develop a list of priority projects and partners for Zoos SA. These two key documents will help guide our conservation efforts over the next two years until our strategic plan is reviewed.

### WALLABIES

Over the last 12 months work has continued across three of Zoos SA's wallaby programs: the Black-flanked Rock-wallaby (also known as warru), Yellow-footed Rock-wallaby and Brush-tailed Rock-wallaby. Support of these programs includes a wide variety of activities ranging from feral control and captive breeding to the monitoring of released animals.

#### **Black-flanked Rock-wallaby (warru) key highlights:**

Breeding six pouch young at Monarto Zoo. These offspring were returned to the warru pintji in Anangu Pitjantjatjara Yankunytjatjara lands in 2014 to introduce genetic diversity to the current population.

#### **Yellow-footed Rock-wallaby key highlights:**

Conducting regular feral control trips to Aroona Sanctuary to support ongoing management of feral animals such as goats, cats and foxes that impact on the wild Yellow-footed Rock-wallaby population.

More than 89 animals have been recorded since the initial release of wallabies in 1996.

#### **Brush-tailed Rock-wallaby key highlights:**

Continuing the captive breeding program, with animals from eastern New South Wales introduced to the southern Victorian population to boost genetic diversity of the species.

Continuing monitoring of animals following a wild release into the Grampians National Park in October 2012.

### RED-TAILED BLACK-COCKATOO

This year our work continued with local farmers in southeast South Australia to protect and restore stringybark habitat, which is one of the main feeding trees of the southeast Red-tailed Black-cockatoo. To date farmers from more than 80 properties have been directly engaged in the project and more than 500 hectares of stringybark woodland has been restored or protected. Funding for this year's activities was provided through the South Australian Native Vegetation Council, Department of Environment, Water and Natural Resources and the Department of Planning, Transport and Infrastructure.

#### Key highlights:

Providing ongoing support for the landholder network, fostering peer mentoring skills in local communities around Lucindale and Naracoorte.

Hosted a tour to Kangaroo Island with 10 landholders to learn about the island's model for successful revegetation, burning and community engagement.

Hosted a site tour of demonstration revegetation and habitat protection sites in the Lucindale and Naracoorte area with local landholders and recovery team members.

Successful in attaining 20 Million Trees Commonwealth Government funding support for continuing project efforts.

### PYGMY BLUE-TONGUE

The Pygmy Blue-tongue is one of Australia's rarest reptile species. Found only in South Australia, it was presumed extinct until rediscovered in the mid-north of the State in the early 1990s. Zoos SA's role in the recovery effort for this unique lizard, which lives in disused spider burrows, is to investigate its captive husbandry and breeding requirements.

#### Key highlights:

Construction of a purpose built research and breeding facility at Monarto Zoo.

Capture of 16 Pygmy Blue-tongues from wild populations and their successful establishment within Monarto Zoo's research and breeding facility.

Representation on the Pygmy Blue-tongue Conservation Committee and Recovery Team.

### ZOOS SA CONSERVATION REACH THROUGH ITS PROJECTS AND PARTNERS



### MONARTO RESTORATION PROJECT

After five years of activity at Monarto Zoo, the current phase of the Monarto Restoration Project has been completed. The primary focus over the last 12 months has been to complete establishment of a long-term biodiversity research site to study the impact of different revegetation strategies on biodiversity and carbon sequestration. This work has been funded through an Australian Research Council grant in collaboration with the University of Adelaide.

Over the next 12 months, there will be a transition from the current revegetation and restoration focus to a broader land management strategy across the Monarto Zoo site.

Monarto Zoo's Aboriginal Learning on Country program has continued to be a success within the region. Our current team have all successfully completed diploma studies in Conservation Land Management and Pest Management and been involved in a range of biodiversity projects outside of the zoo including monitoring freshwater turtles in the River Murray and native vegetation restoration projects within the Murray Darling Basin precinct.

#### Key Highlights:

More than 6,500 plants added to the Monarto Zoo biodiversity research site.

On-going improvement of onsite remnant vegetation through weeding and pest control activities.

Holding a planting festival.

## RESEARCH

In order to conduct effective conservation outcomes, we need to understand how best to do the work; be it captive breeding, working with wild populations or running our education programs. To support this, a variety of research activities are undertaken across the organisation, both by staff and a range of research students.

Studies are diverse and include a long-term carbon sequestration study at Monarto, monitoring the health of Regent Parrots in the wild and better understanding successful husbandry techniques for species like the Pygmy Blue-tongue. Zoos SA undertook a feasibility study into the captive husbandry and breeding of Mallee Emu-Wren on behalf of BirdLife Australia. This work is being used to help inform future safeguarding for this species.

### Research conducted by Zoos SA staff or students supervised by Zoos SA staff over the last 12 months:

Zoos SA and South Australia Department of Environment: Investigating regent parrot declines in South Australia: biomedical survey and telemetry (David McLelland, lead investigator)

David Schultz (Zoos SA), David Taggart (University of Adelaide) and other partner organisations: Recovery and reintroduction of the southern brush-tailed rock wallaby

Liberty Olds "Preliminary feasibility study of establishing a captive bred Mallee Emu-wren *Stipiturus mallee* ex-situ insurance population." (BirdLife Research Report)

Michael Quinton, University Adelaide: Blood testing as a prognostic indicator for wildlife injured in bushfires

Cassie Harper, James Cook University: Survey and Review of intestinal obstruction with phytobezoars in langurs in zoos in Australia, Europe and North America

Partner Organisation on successful 2015 ARC Linkage Grant to investigate a vaccine for koala retrovirus; multi-institution team lead by Prof Peter Timms, University of the Sunshine Coast.

Sample collection for Palm Cockatoo genetics study by European Breeding Program, led by Zooparc de Beauval

### Flinders University

Nicole Anderson (Zoos SA staff member), PhD candidate: Vaccination studies and population viability assessment for African Wild Dogs (almost completed; Ian Smith co-supervisor)

Tara Daniell "Captive husbandry and breeding requirements of the Pygmy Blue-tongue" (Honours; Phil Ainsley, co-supervisor)

### University of Adelaide, School of Animal and Veterinary Sciences

Liberty Olds "Small mammals of the Northern Kimberley, WA"

Maria Bargsted, PhD candidate: Use of a toxic implant against feral cats to protect reintroduced Australian native fauna (David Schultz, collaborator)

Rebecca West "Reintroduction biology of Black-flanked Rock Wallabies" (PhD)

Shangzhe Xie, PhD candidate: Adaptation in Australian birds to heat waves (PhD; Ian Smith, co-supervisor)

Collaborative Research Project with Prof Milton McCallister: Testing the potential of spotted hyaenas to transmit *Toxoplasma gondii* (ongoing; Ian Smith, Co-Investigator)

Honours projects completed in 2014 through Adelaide Zoo:

- Ashleigh Hunter: A pilot study of fibre retention time in the gut of herbivorous ursids (Co-supervised by David McLelland)
- Erin Turrell (Zoos SA staff member): Behavioural responses of captive native Australian birds to heat.

DVM1 Research Projects completed in 2014 through Adelaide Zoo:

- Sian Hay: Detection and differentiation of *Mycobacterium* species in Gouldian finches (*Erythrura gouldiae*) (completed; co-supervised by Jennifer McLelland and David McLelland)
- Tara O'Loughlin: Histological assessment of captive Gouldian finches (*Erythrura gouldiae*) for evidence of mycobacteriosis. (completed; Co-supervised by Jennifer McLelland and David McLelland)



## INTERNATIONAL CONSERVATION SUPPORT

In addition to our native programs, Zoos SA provides conservation support on an international level. Projects receiving this support have a focus on protecting habitats, the species in them and working with local communities. Over the past 12 months we have continued our conservation support for ecosystems associated with the following areas: the African Tropical Rainforests, African Rangelands, China's Sichuan Province, South East Asian Rainforest and Tetepare, Solomon Islands.

### University of Adelaide, Ecology and Environmental Science – David Schultz collaborating on the following projects:

Taylor Bowden, Honours Project: Abundance estimates and warren activity analyses of southern hairy nosed wombats

Elizabeth Thornette, Honours Project: Burrows and burrow sharing in arid and semi-arid Australia. A case study of the mammals of Wedge Island SA

Casey O'Brien, PhD candidate: Resolving human to wombat conflict: can non-legal management techniques be utilised to mitigate conflicts between SHNW and the agricultural sector

### University of Sydney, Faculty of Veterinary Science. Collaboration with three research projects:

Rachel D'Arcy, PhD Candidate: Chronic kidney disease in non-domestic felids (ongoing)

Chantal Whitten, Masters Candidate: The impact of diet and feeding practices of captive large felids in relation to the incidence of tooth fractures and intestinal foreign body obstruction (ongoing)

Lucinda Barton, PhD Candidate: Early diagnosis and clinical management of osteoarthritis in non-domestic felids (*Panthera tigris*, *Panthera leo*, *Acinonyx jubatus*) (ongoing)

### Murdoch University

Jerome Kalvas (Zoos SA staff member): Survey of frog populations in the Adelaide bioregion of South Australia for the chytrid fungus, *Batrachochytrium dendrobatidis*. Research project completed as part of Masters in Conservation Medicine. (completed)

Jessica Rendle; PhD candidate: Lumpy Jaw in captive macropods (ongoing, Zoos SA collaborating)

### Key Highlights:

Providing ranger support in Africa's rangelands in Sera Conservancy, Kenya. The presence of the wildlife rangers in these areas is reducing poaching and protecting a range of species including rhinos.

Supporting alternate livelihoods in Sera Conservancy, Kenya.

Continuing the 'They're Calling on You' campaign that raises awareness and funds for Chimpanzee and Mandrill conservation in Africa, including supporting Tchimpounga to continue its work in Africa's tropical rainforest in Conkouti National Park, Congo.

Special fundraising effort by Zoos SA staff to provide assistance to Tacugama Chimpanzee Rehabilitation Centre as they were significantly impacted by the Ebola crisis.

Supporting conservation education and undertaking wildlife research and conservation through the Zambian Carnivore Programs and Chipembele Wildlife Education Trust.

Supporting Wildlife Asia to help protect and conserve the wildlife and habitat in South East Asia.

Supporting community conservation through education in Tetepare, Solomon Islands where locals are protecting an island and the surrounding marine environment.



**Connecting  
People with  
Nature**



## ZOO LEARNING

The Zoo Learning Team works with teachers and students from preschool to Year 12, developing and delivering education programs to inform, inspire and connect people with nature.

The team consists of a Team Leader, who oversees the teams at both sites, two educators, administration staff and seven casual educators that support overnight and school holiday programs. The team also includes two Department of Education and Child Development (DECD) Education Managers, one at each site. These positions are funded to create quality learning experiences for early to senior year educators and students by bringing together curriculum requirements, effective teaching and learning techniques and the unique resources available at Adelaide and Monarto Zoos.

Major projects in 2014/15 included updating facilitated programs (teacher lead programs) to align with current Australian Curriculum, which now includes enclosure design, classification, adaptation and threatened species. The DECD Education Officers have begun exploring the use of digital technologies as a learning tool. As a result, an iPad based monitoring program at the Chimpanzee facility has been developed and trialled. Further exploration in digital learning opportunities is ongoing.

In 2015, we reviewed our Out of School Hours Care (OSHC) program to improve the learning experience for OSHC groups. As a result bookings for OSHC daytime groups increased by more than 20% in the autumn school holidays period compared to the same period in 2014.

Zoo Learning continues to work to integrate new curriculum and existing learning design into various Zoos SA programs, including enquiry activities as an introduction to topics at the beginning of educator facilitated sessions.

## CAREERS WEEK

Careers Week is a collaboration between Adelaide Zoo and the Botanic Gardens of South Australia that utilises QR codes to convey information via videos.

Two Careers Weeks per year are offered to school groups targeting the Year 10 Personal Learning Plan topic where students learn about more than 50 possible careers relating to working within the zoological, horticultural and conservation industries.

### Key Highlights of the Week:

Students took part in an orienteering trail of plant and animal careers.

Students participate in wildlife presentations at the zoo, focused on presentation skills and important plant and animal conservation issues.

Toured the Botanic Gardens discussing the different careers and roles.

Students utilise their mobile phones to access information across both sites and download video clips and links to review back at school.



### **PLANETKEEPER**

This popular program provides children with knowledge about conservation and how they can take action to make a difference. Participating groups learn about threatened species while visiting the zoo, continue to raise awareness back at their respective schools and then fundraise for a chosen species. In the last 12 months students raised approximately \$3,500 towards conservation support for these species.

New to the Planetkeeper program this year was the introduction of a Native Planetkeeper program for both daytime and overnight visitors. Supported by the Adelaide Zoo Native Team, the program provides practical learning activities that students can undertake around the zoo to build their knowledge, understanding and connection with native wildlife. Fundraising for this program will go towards supporting the zoo's Tasmanian Devil and Greater Bilby conservation breeding programs.

### **ARTS AT THE ZOO**

Arts at the Zoo is a collaboration between Adelaide Zoo and Flinders University. The program makes up a major assessment piece for pre-service teachers in the arts. The event sees pre-service teachers present live animal and conservation themed performances and facilitate arts-based workshops for students Years 3 to 5. The success of the program was evident with all seven days booked out and attracting more than 170 students.

Adelaide Zoo and Flinders University will continue the program next year and it is proposed to expand from seven days to 10.

### **CHILDREN'S UNIVERSITY**

Children's University is a charitable arm of Adelaide University that provides opportunities for children to undertake hands-on learning outside of school hours. As a foundation member, Adelaide and Monarto Zoos are two of a number of unique learning destinations across South Australia.

Children's University students bring their CU Passports to the zoo, take part in self-directed activities and then record their participation in their passport that is stamped at the Visitor Information Desk.

### **VOCATIONAL TRAINING**

A partnership with Energy Education Australia has resulted in Monarto being a practical site for students involved in vocational training. The program supported young people involved in painting, decorating and construction. Students visited regularly to undertake their program which included the internal and external painting of the classroom at the bush camp and the painting of the native team's kitchen. All work was undertaken under the supervision and direction of skilled tradespeople and accredited through training prospects.

A number of school groups undertaking TAFE Animal Studies use the Monarto site for further study and understanding of animal management in a zoo setting.



## MARKETING

Marketing continued to support key revenue-raising activities such as admissions, animal experiences, membership and other fundraising as well as conservation activities and messages. An integrated marketing approach continued with the use of multiple platforms including traditional media and paid print, television, cinema, radio and online advertising. Our communications were supported by our growing social media platforms, Zoo Times eNews and our supporter magazine, Zoo Times.

We were pleased to launch new websites for Zoos SA, Adelaide Zoo and Monarto Zoo in January 2015. The exciting redevelopment aims to improve the user experience and better showcase our wonderful animals, products, services and events.

A major market research project conducted through research agency, Square Holes included online and onsite surveying and focus groups, and helped provide valuable insights into our members, visitors and the wider general public.

This financial year major advertising activity included general attendance driving campaigns such as the Share the Wonder television and cinema campaign as well as campaigns for school holiday programs and events such as Boo at the Zoo.

Advertising also supported major appeals including print and Facebook advertising to support life membership and donations appeals. The annual animal adoption appeal was also supported by a radio and print campaign which also promoted behind the scenes experience gift-giving.

Zoos SA also engaged in a number of valuable media partnerships for key campaigns and competitions across television, radio, print and online platforms.

### Key media highlights:

2014 Giant Panda breeding season

Sampson Flat bushfire animal survivors

Zoos SA Master Plan launch

Brutus the hippo's 50th birthday celebration

World-first Goodfellow's Tree-kangaroo cross-foster

## FUNDRAISING

As a conservation charity, we rely heavily on our supporters to help us continue our valuable breeding and conservation programs. Our fundraising efforts help care for the wonderful animals in our zoos and support our conservation projects in the wild.

This year, fundraising support was received from 14,540 households, up from 11,069 in 2014. These households have supported us as members, animal adopters and occasional donors. Some have been loyal supporters for many years,

however we have also experienced strong growth in new supporters with 9,288 households joining us for the first time this year.

In addition, corporate partners provided cash and in-kind support, which has greatly contributed to the care we provide to our animals.

The average donation received per person over the year was \$213. These were mainly sourced from an appeal to help our highly successful South Australian Mainland Tammar Wallaby breeding program.

FUNDRAISING ACTIVITY	2014/15 \$	2013/14 \$	DIFFERENCE
Corporate Sponsorship	309,435	448,669	-139,234
Corporate in Kind Sponsorship	830,119	773,416	56,703
Fundraising Major Gifts	47,000	75,392	-28,392
Appeals and Donations	108,444	74,304	34,140
Sundry Income	0	25	-25
Bequest	1,531,798	328,910	1,202,888
<b>Total</b>	<b>2,826,796</b>	<b>1,700,716</b>	<b>1,126,080</b>

## ANIMAL ADOPTION

This year 1,240 animals were adopted at Adelaide and Monarto Zoos with a 5% increase on last year. Our animal adopters give either an ongoing monthly or annual gift. Income from this activity has increased each year for the past five years, with an 8% increase in income this year.

### ANIMAL ADOPTION NUMBERS

	2015	2014
<b>Total</b>	<b>1240</b>	<b>1,171</b>

### ANIMAL ADOPTION INCOME

	2015	2014
<b>Total</b>	<b>177,515</b>	<b>164,486</b>

### Key Highlights

A Christmas promotion of our Southern White Rhinoceroses gained us 160 new adopters. This also emphasised the importance of our work outside the zoo's gates by telling the story of our partnership with the people of Northern Kenya who help to protect this endangered species from poaching.

Income from animal adopters increased by 8% compared to the previous year. The average gift per animal adopted increased to \$143, up from \$140 in 2014 and \$135 in 2013. As some supporters adopt more than one animal at the same time, the average gift per person over the year increased to \$178, up from \$171 in 2014 and \$149 in 2013.



## MEMBERSHIP

Zoos SA has seen yet another stellar year for membership, increasing numbers to more than 36,000 - the highest recorded in our history.

A number of member-based projects were rolled out through the year including a vital review of all membership levels and pricing that saw a dated and complex mix of membership options simplified.

A targeted group buying campaign was conducted in May 2015. The success of this short, but extensive, campaign saw a rapid accrual of nearly 5,000 new members to the organisation.

More than 1,500 members became part of the Zoos SA family through the Corporate Membership program. This equates to 500 individuals working within one of the 18 organisations aligned with this membership product.

Thirty community passes have now been issued to a mixture of community groups, assisting special needs individuals to visit our zoos on a regular basis. Exciting plans are in place to spread the benefits of these specialist passes to further worthy groups and organisations in the next financial year.

Renewal and accrual rates for membership have seen another successful year with 74% of existing members remaining with the zoo family. Membership income exceeded the previous year by 16%. This amount is only exceeded by the 2008 year when our Giant Pandas were introduced at Adelaide Zoo.

### LIFE MEMBERSHIP

Life membership continues to be the gift of choice for grandparents, with nearly 50 of the 130 life memberships purchased during the March 2015 campaign purchased as gifts. All up 236 people found value in purchasing a membership for life with Zoos SA.

Zoos SA values its 2,374 Life Members and looks forward to welcoming more in the next financial year.

MEMBERSHIP NUMBERS	2015	2014
Companion, Honorary Associates and Conservation Friends	35	53
Life	2,374	2,211
Annual	31,771	25,743
Corporate	1,862	1,730
<b>Total</b>	<b>36,042</b>	<b>29,737</b>

MEMBERSHIP INCOME	2015	2014	DIFFERENCE
Annual Membership	2,255,331	1,924,976	330,355
Life Membership	387,186	273,637	113,549
<b>Total</b>	<b>2,642,517</b>	<b>2,198,613</b>	<b>443,904</b>



## OUR PARTNERS

Without support from our valued partners, Zoos SA would not be able to undertake the vital local and international conservation work that is required to ensure the longevity of many endangered species. As a conservation-based charity, this is a key and valued income stream for Zoos SA.

Additionally, our zoos also hold an important memory for children and families alike. With support from the corporate sector, Zoos SA is also able to continue to connect people with nature in an engaging and unique environment.

Support from the corporate sector continues to grow with an increase of corporate partners in the 2014/15 financial year. Trends have changed during this time with a strong preference for product support rather than the traditional cash support that has historically been offered. Engagement opportunities for our partners also continue to grow; we want to ensure our partners are able to celebrate in our successes and to be recognised alongside a leading conservation-based charity.

We are also privileged to hold partnership agreements with other celebrated not-for-profits including Variety SA and Asthma Foundation SA to name a few.

We are continually exploring promotional opportunities for our partners, which includes an increase in activity via Zoos SA's impressive social media footprint, opportunities to be aligned with key events like our Halloween event, Boo at the Zoo, and more recently with the proposed projects announced within the Zoos SA Master Plan. With ongoing support from the corporate sector, the Master Plan will create opportunities for South Australians and tourists alike to create a new lifetime of memories at our much loved zoos.

Zoos SA also acknowledges the annual funding support provided by the South Australian State Government, and the significant contribution from Westpac in the third year of support as our Principle Partner.

### Key highlights:

Initial roll out of Wi-Fi at Adelaide Zoo proudly supported by Kern IT.

A new vehicle, the i-Zoo-Zoo ute, was supplied by Jarvis Isuzu Ute.

Variety SA announced as major partner of the all abilities Nature's Playground at Adelaide Zoo.

Support from Atomix for the development and implementation of Zoos SA's new website.

# PARTNERSHIPS

## PRINCIPAL PARTNER



## GOVERNMENT PARTNERS



Australian Government



Government of South Australia

## MAJOR PARTNERS



## COPORATE PARTNERS



## PREFERRED SUPPLIERS



## EXHIBIT SPONSORS



## CORPORATE SUPPORTERS



## CONSERVATION SUPPORTERS

Alinta Energy

San Diego Zoo

Nature Foundation

The University of Adelaide

## VISITOR EXPERIENCE

The 2014/15 financial year saw the introduction of many new visitor experiences for a range of ages and interests.

The Nature Theatre Team, established in October 2014, greatly raised the level of our visitor experience with additional interactive opportunities. Scheduled and ad-hoc visitor activities were offered including interactive Wild Shows, Chalk the Walk fun for the whole family and a variety of Nature Theatre presentations across both zoo sites.

Daily scheduled Meet the Keeper talks, an addition to the zoo's animal presentation schedule, commenced in December 2014, offering visitors the opportunity to meet a number of animal keepers, hear about the amazing animals in their care and interact with a zoo keeper.

A number of new Westpac Brief Animal Encounters were introduced including a cockatoo, tree-kangaroo, hippo, wombat and coati experience at Adelaide Zoo and a meerkat experience at Monarto Zoo. The new squirrel monkey troop at Adelaide Zoo commenced brief encounters in their new exhibit allowing wheel chair accessibility for participants. The introduction of the new Adelaide Zoo Keeper Kids Behind the Scenes Animal Experience, proudly supported by AGL, saw the first behind the scenes experience designed for children aged 4 to 10 and their families.

A number of new events and extra activities were offered throughout the year in addition to the well-established annual event schedule.

Zoos SA continued its proud partnerships and support of local communities, contributing approximately \$38,000 in free of charge admission tickets and Behind the Scenes Animal Experiences, proudly supported by AGL, to South Australian community groups as donations or for event auction items. Zoos SA again participated in a range of community events offering special admission rates including for the first time the Novita Walk with Me fundraising event in Botanic Park in August 2014.

Adelaide and Monarto Zoos continue to be popular venues with more than 45,000 people attending functions across both sites. More than 9,000 people took part in Zoos SA's exciting range of animal encounters.

### SPECIAL ADMISSION PRICE OFFERS

There have been a range of special offers over this year to provide greater accessibility to both zoos:

Mother's Day – Mums Go Free.

Father's Day – Fathers Go Free.

Provision of free child pass with Out of School Hours Care visits to encourage repeat visitation.

Half price entry on the afternoon of the Special Children's Christmas Party.

Scoopon special offer of \$19 per adult ticket (7,550 tickets were pre-sold).

Two Zoos Pass (offering 50% off the visit to the other zoo - Adelaide Zoo or Monarto Zoo - if purchased on day of visit).

Entertainment Book – a voucher for each site included in 2014/15 Entertainment Book offering 25% off entry for up to four people.

Disadvantaged group prices.

Special days for community groups and other charities such as Paraquad Days, Alzheimer's Association, Special Children's Christmas Party, Playgroup Day, Novita Walk with Me.



**TOTAL ATTENDANCES  
FOR THE LAST FIVE YEARS\***

14/15	13/14	12/13	11/12	10/11
527,500	516,759	456,067	450,612	560,763

MONARTO ZOO	2015	2014	VARIANCE
Admissions	69,991	70,714	-1.02%
Education	11,925	11,216	6.32%
Members	28,106	27,232	3.21%
Other	13,367	13,568	-1.48%
<b>Total</b>	<b>123,389</b>	<b>122,730</b>	<b>0.54%</b>

ADELAIDE ZOO	2015	2014	VARIANCE
Admissions	200,250	205,952	-2.77%
Education	39,303	35,308	11.31%
Members	127,709	114,869	11.18%
Other	36,849	37,900	-2.77%
<b>Total</b>	<b>404,111</b>	<b>394,029</b>	<b>2.56%</b>

\*These figures capture total ticketed admissions and exclude any additional functions e.g. – weddings, corporate events



## KEY EVENTS AND ACTIVITIES

### Westpac Teddy Bears Picnic

The inaugural Westpac Teddy Bears Picnic was held at Adelaide Zoo on 23 August 2014, where families were encouraged to bring their favourite teddy bear along and help celebrate the birthdays of our Giant Pandas, Wang Wang and Fu Ni.

Visitors had the opportunity to take part in a range of free activities, including a bear quest trail around the zoo, go in the draw to win great prizes, free face painting, music and children's entertainment and teddy bear health checks.

### Westpac Family Fun Day

An additional family fun day was offered at Adelaide Zoo in March 2015. Aligned with Neighbour Day, we encouraged South Australian residents to bring their neighbours to the zoo and share the day with our animal friends. A number of additional activities were offered including face painting, craft activities, MFS fire truck and rock wall climbing and a community marketplace with a variety of local entities including Scouts SA and Nature Play SA.

### Boo at the Zoo

The very popular Boo at the Zoo family event was held again at Adelaide Zoo with a sell-out crowd of more than 3,000 visitors and members attending this special evening event. The zoo was again transformed into a Halloween spook-tacular for a fancy dress night filled with fun activities for the whole family, including a trick-or-treat trail, musical entertainment, interactive games, animal enrichment and giant puppets.

### Westpac Animal Play Days

Four Westpac Animal Play Days were held in 2014/15 with themes ranging from applying enrichment techniques at home to animal magnetism, with a variety of special animal and human enrichment activities on offer showcasing the many ways our zoo keepers keep our animals stimulated and happy.



### School Holidays

A variety of school holiday programs were offered at both zoos kicking off with a storytelling theme during the winter 2014 school holidays. Children were invited to put themselves in the fairy tale by exploring the zoos to create their own chosen story focusing on Frogs and Fairy Tales at Adelaide Zoo, incorporating the new frog exhibit, and Mallee Tails at Monarto Zoo teaching visitors about the plight of the endangered Malleefowl.

Spring Has Sprung focused on horticulture, encouraging visitors to learn more about native plants and animals through craft activities, animal encounters and a children's activity trail.

The Earth Guardians holiday program offered throughout the summer holiday period proved extremely popular, enlisting visitors to make small changes that have a big impact on the planet through a range of activities, including mission tasks focusing on Reduce, Reuse, Recycle and Reinvent.

The autumn school holiday program Cracked was all about eggs, with children receiving a special booklet containing questions about egg-laying creatures and using specially designed "red-reveal" Perspex tablets to crack the answer to the questions. Children were encouraged to take home a worksheet to make their own set of red-reveal glasses at home to surprise their friends and family.



# A Sustainable Approach

## SUSTAINABILITY

Over the last 12 months, the ongoing roll out of the Zoos SA Environmental Management Plan (EMP) has continued to gain positive momentum in delivering the organisations key sustainability targets. The EMP is closely aligned with the Zoos SA Strategic and Business Plans, containing an action plan targeting key sustainability objectives and yearly goals through to 2017.

In 2014, Zoos SA continued to work closely with key organisations including Zero Waste, Veolia Environmental Services, SA Water and Conservation Council of South Australia's Community Hubs program on sustainability initiatives that provide mutual benefit. This year, Zoos SA became a participant in a SA Water Smart Water pilot program. This program is being developed to enable businesses to sustainably manage their water resources and reduce costs. Zoos SA has continued to share its sustainability achievements with other key zoos across Australia.

## WATER

Mains water usage remained unchanged this year. This is a reasonable outcome considering Adelaide Zoo's consumption for the first quarter was 6,000 KL higher than what is considered normal usage for the site. Leakage from mechanical plant and irrigation were identified as the primary causes for this increase. The adoption of the SA Water Smart Water pilot program later in the year provided real time web based monitoring and a capacity to quickly identify leaks. This significantly reduced water consumption for the second half of the year.

Other highlights for the year were the mapping of Monarto Zoo's water services. This outcome will feed into the zoo's land management plan and contribute towards improving sustainability outcomes going forward. Toro Australia were very generous in donating a state of the art irrigation system and weather station for Adelaide Zoo.

Adelaide Zoo's ground water consumption remains constant, averaging 60,000 KL a year.



**“We recognise that within a zoo environment we cannot completely replicate an animal’s natural habitat but to the best of our abilities we will endeavour to meet their physical, behavioural and psychological needs.”**

## **WASTE MANAGEMENT**

We are now two years into our new integrated waste management and cleaning contract with Veolia Environmental Services. Resource recovery across both sites is well on track to meet our 2017 sustainability target to divert 87% of waste from landfill. This year our overall recovery rate increased by 1% to 85%. This is just twenty five tonnes short of our 2017 target.

The introduction of three bin recycling systems in public areas across the zoo has been put on hold due to a technical issue identified during a two month trial period. As a result of this, it was decided to retain and enhance the existing systems with custom wrapped graphics.

## **ENERGY**

This year energy consumption increased by 1.7%. This was primarily due to additional heating and cooling infrastructure that has come online over the last 12 months. It is however worth noting that we are using 14% less energy compared to 2011 which is when our benchmark for electricity consumption was set.

Over the last 12 months we have also introduced sub-metering of tenants to facilitate tracking of their energy use. This initiative is expected to lead to reductions in energy use on site.

## **CARBON**

Zoos SA is committed to reducing its carbon footprint and in 2014 a carbon reporting framework was developed to monitor our emissions. This year our annual carbon report showed a modest reduction of 2% (30 tonnes) in our carbon footprint as a result of on-charging of energy use. Achieving reductions in our carbon emissions is challenging due to the nature of our business and potential impacts to animal health and welfare. For this reason we have identified renewable energy sources as potential saving strategies and in early 2015, an audit was undertaken to identify suitable areas for renewable energy infrastructure. Proposals for power purchasing agreements to supply 200 kW of solar infrastructure were received. This infrastructure could reduce our carbon footprint by a further 14% and help meet our renewable energy target of 25% by 2018.

## **ETHICS AND WELFARE**

As a zoo-based conservation organisation with responsibility for the care of animals in our zoos and in the field through our conservation projects, we aim to ensure that our activities are underpinned by high standards in animal welfare that reflect the needs and interests of our animals at all times. The Animal Welfare Charter, introduced in the last financial year, provides a framework that follows the five domain model of animal welfare – nutrition, environment, health, behaviour and mental state, each of which represent areas of potential welfare compromise and, conversely areas where welfare can be enhanced.

We recognise that within a zoo environment we cannot completely replicate an animal's natural habitat but to the best of our abilities we will endeavour to meet their physical, behavioural and psychological needs.

An Animal Welfare and Ethics Committee chaired by Dr Ian Smith, with a group of staff and external representatives, meets twice a year.



# **An Advancing Organisation**

# OUR PEOPLE

## STAFF

Zoos SA's passionate and capable workforce recorded many positive achievements through the 2014/15 financial year. Through the implementation of the Zoos SA People Plan, we have been able to continue to build on our workforce capabilities.

Conservation passion continues to grow from strength to strength with each of us sharing and imparting Zoos SA vision and key actions that our visitors can implement to support and build on conservation initiatives.

## PEOPLE PLAN

The Zoos SA People Plan commenced this financial year and has achieved solid outcomes against the five key objectives within the workforce framework - attraction and retention, engagement and performance, workforce well-being and workforce efficiency and effectiveness. Revised and new programs supported by implementation plans have supported us to gain rewarding results and improvements.



## Key Achievements:

### TARGETS

80% staff report they are engaged or very engaged with Zoos SAs direction

75% staff report they are satisfied or very satisfied working for Zoos SA

80% staff report applying workplace training

Net reduction in hours lost due to workplace injuries

### ACHIEVEMENTS

86% are engaged or very engaged with Zoos SAs direction

71% are satisfied or very satisfied working for Zoos SA

92% of evaluations report training was relevant to role and will be applied in the workplace

Established baseline data for loss of time injuries to enable us to target a net reduction in lost hours

## WORKPLACE HEALTH & SAFETY

We are continuing to focus on the fundamentals of Workplace Health and Safety (WHS), ensuring compliance training is completed and employees are inducted. Specific training undertaken this financial year in the WHS:

- Bullying, Discrimination and Harassment Awareness
- Contact Officer: Role and Responsibilities
- Provide First Aid
- Asthma Emergency First Aid
- Anaphylaxis Emergency First Aid
- Food Handling and Hygiene
- Zoonoses
- Firearms Practice
- Hazard Identification
- Snake Awareness and First Aid
- Chief Fire Warden
- Fire Warden
- Monarto Incident Controller
- Monarto Fire Response Team Refresher
- Monarto Fire Safe Staff Awareness
- Cross-site Staff Fire Safe Training
- Managing WorkCover Claims
- Toxoplasmosis
- 4WD Training

We ran our first Zoos SA Safe Work Week in October 2014 with a program of activities at Adelaide and Monarto Zoos which covered:

- Injury Management
- Sun Smart
- Organisational Awareness: Mental Health in the Workplace
- Nutrition
- Relaunch of our Employee Assistance Program and the additional wellness programs on offer

Through ongoing close management of our workers compensation liability through early notification and intervention this continues to drive a culture of early reporting, which in turn is providing financial benefits to the organisation in reduced costs. Planning is underway and the organisation is ready for the new legislation that came

into effective 1 July 2015. The strong relationship with our fund managers, Gallagher Bassett, continues to support our results by reduction in our claims over the financial year. Our average cost per claim is reduced, and we are managing returning employees to pre-injury duties earlier. Premium costs have again reduced, however, this is also in part to a new premium model for 2015, making a comparison to 2014 difficult.

## LEARNING AND DEVELOPMENT

A structured Learning and Development program has been driven from our Performance Development Plan (PDP) development needs. Our employees have participated in a range of programs this financial year:

- Corporate Induction
- Thank Q: Fundraising Database
- ZIMS Animal Record Database
- Values Workshops
- PDPs
- Excel Training
- Lync/Skype for Business
- Intranet Training
- Animal Presentations

A number of management specific sessions were also delivered on:

- PDP and Training Needs Analysis
- Responding to Challenging Questions
- Presentation Skills
- Policy and Procedure Writing
- Assertive Communication
- ICT Policy
- Grant Applications
- Child Safe Policy

This year has also seen more than \$19,500 allocated from the Training and Development Fund which supports employee involvement in conferences, conservation programs and training programs.



### PERFORMANCE DEVELOPMENT PLANS

Our effectiveness in the PDP process continues to grow and improve with two PDP reviews conducted each financial year with greater than 80% of our workforce having a current PDP. Organisational values have been incorporated into the program and explore how our employees demonstrate organisational values in their day to day working life, documenting how they conduct themselves and support overall visitor experience at our sites.

360° Reviews were conducted in 2014/15 within the broader senior management team at Zoos SA, providing our leaders with direct feedback on their performance and perception within the business.

### 'BE ACTIVE' CORPORATE CUP

The "be active Corporate Cup" is a fun run/walk event designed to improve fitness over a period of 16 weeks. The event has attracted more than 1,000 workplace teams with some 6,500 participants, encouraging exercise and friendly rivalries! Two teams of five staff – creatively named Zoo Crew 1 and Zoo Crew 2 - participated in the city loop run around the Torrens River. Zoo Crew 2 was successful in winning a "Most Improved Company" trophy which is proudly displayed in Minchin House.

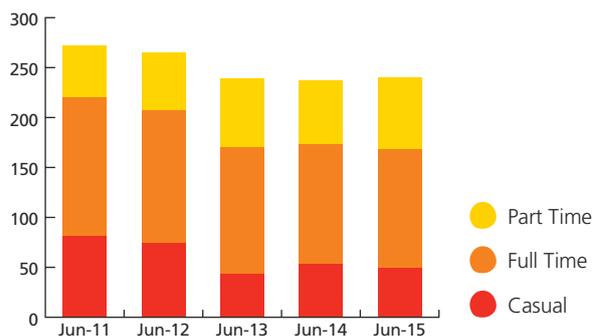
### SOCIAL CLUB

The Zoos SA Social Club has increased its membership to 70 across both sites and continues to attract good numbers.

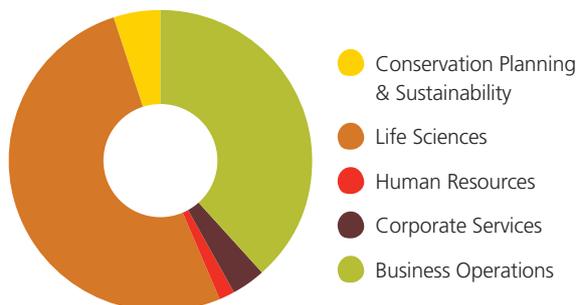
Varied events have included the ever popular dinners and a chocolate themed month over Easter that included chocolate eggs, cupcakes and a chocolate making class.

A highlight for the club was the summer sunset sailing event at Glenelg. The committee continues to work hard at fundraising and creative thinking for future activities.

### EMPLOYEES



### JUNE 15





## VOLUNTEERS

Always smiling, always friendly, our volunteers are an integral part of the Zoos SA family, helping to connect our visitors with nature.

Zoos SA is a truly unique volunteer experience. Our 600 strong volunteer group forms an indispensable part of the zoo team, performing a variety of duties ranging from guiding visitors, providing information and support at exhibits and information booths, creating behavioural enrichment treats for animals, monitoring animal behaviour and assisting with educational activities and zoo events. They contribute many thousands of volunteer hours valued at approximately \$2.5 million dollars.

Our passionate volunteers are also always enthusiastic to help out with Zoos SA events. Boo at the Zoo was an excellent example of the power of our volunteer force, with many costumed volunteers assisting with handing out treats, setting up displays, crowd control and answering questions from visitors. Alzheimer's Day is another significant event at Adelaide Zoo which sees our volunteers dress-up in vintage attire and take visitors on a trip down memory lane.



**“When my wife Terri started guiding in 1996 I came into the zoo with her and saw how energetic and passionate the volunteers are, and just how special Adelaide Zoo is. I like animals and believe in Zoos SA as an organisation with a valuable role in conservation and a strong environmental message that I’m happy to spread. I also enjoy the social interaction: there’s always some friendly banter with the other volunteers, keepers and general public. It’s led us to volunteering at wildlife centres in Africa, with experiences I’d never have dreamed of had I not begun volunteering at Adelaide Zoo.”**

– Tom Whitworth, President’s Award recipient

#### **Key highlights:**

National Volunteer Week is a time to celebrate and recognise the contribution of volunteers in the community. Zoos SA joined in on the celebrations in May with more than 30 volunteers joining the annual National Volunteer Week Walk through the city with the week culminating in a cocktail function at Adelaide Zoo. The annual President’s Award for Volunteer of the Year was presented to Tom Whitworth at this event, along with Premier’s Certificates for Outstanding Contribution to Volunteering at Zoos SA.

In November 2014, Zoos SA and The University of South Australia launched an ongoing collaborative partnership to gather more information about the volunteer experience at our zoos through a series of surveys. The data gathered from the surveys will assist us in improving the volunteer experience at Zoos SA.

The Volunteer Representative Group continues to oversee the distribution of funds raised by our volunteers, supporting a range of projects at Adelaide and Monarto Zoos. The volunteer group raised a total of \$53,000 during the year, approving a total of \$46,000 in grants for projects across our zoos. Here are just a few of the projects that were funded by our volunteers this year:

- Hippopotamus exhibit redevelopment at Adelaide Zoo
- Incubation equipment for the Adelaide Zoo bird department
- GoPro for the Monarto Zoo keeper team
- Upgrades to the off-limits native breeding facilities at Monarto Zoo



## ASSETS AND HORTICULTURE

Over the past twelve months, the assets and horticulture teams have been focused on maintaining and upgrading current infrastructure and grounds. Both departments have been working closely with the wider organisation to update existing exhibits and enhance visitor experience by continually refreshing the existing gardens and grounds.

### ASSETS

#### Key highlights:

Construction of a breeding facility for giraffe at Monarto Zoo and refurbishment of the existing sheds and raceways

Refurbishing the post-mortem facilities at both Adelaide and Monarto Zoos including construction of a new necropsy facility at Adelaide Zoo

Upgrading the hippo exhibit and adding a brief animal encounter platform

Installing underfloor heating in the Sumatran Tiger exhibit

Exhibit redevelopment to house squirrel monkeys for brief animal encounters

Designed and fabricated a holding facility for the Free-flight Bird Presentation

Installed Ganesh statue at Elephant House courtyard

The purchase of considerable replacement plant and equipment at both properties including three utilities, tractor and animal transport trailer

Designed and fabricated aerial walkway tunnels at the Tamarin House

Completed the installation of lighting around the Central Lawn to improve evening events and functions

Installed misting systems in the Tasmanian Devil yards at Monarto Zoo

Completed upgrade works at Monarto Zoo Chimpanzee building

### HORTICULTURE

#### Key highlights

Replacing the planting palette on the Adelaide Zoo front entrance

Continuing a joint study with the University of South Australia investigating the biodiversity on green roofs

Translocating a Queensland Bottle Tree to the Adelaide Zoo family zone

Landscaped the new frog exhibit surrounds

Landscaped the refurbished South East Asian aviary

Installed a carnivorous plant display in the Westpac Envirodome

Removal of the Dragon Tree in the cassowary exhibit

Landscaped a new Children's Zoo wombat exhibit

Installed turf in the orang-utan exhibit

Hippo landscape to complement the redevelopment of exhibit

Removed several small division panels to open up pheasantry woodland exhibit and re-landscaped to a woodland theme

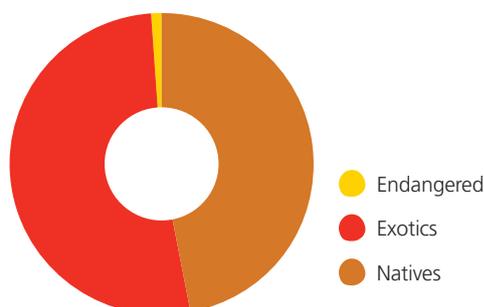
Undertook a major canopy reduction of existing 100 year old Oak Tree within the South East Asia boardwalk precinct

Carried out weed control and slashing at Monarto Zoo as per annual program

Installed new pathways at the Monarto Zoo Visitor Centre as part of Nature Play development

Planted 7,000 new browse seedlings at Monarto Zoo.

### PLANT SPECIES





## INFORMATION AND COMMUNICATION TECHNOLOGY

The last year has seen additional improvements across the organisation's Information and Communication Technology (ICT) systems.

### Key highlights

Free public WI-FI was introduced at Adelaide Zoo made possible through a sponsorship agreement with Kern IT. The first stage of the rollout covers a radius extending from the front entrance to the central lawn with the second stage to commence in the 2015/16 financial year. WI-FI is accessed by 80-90 visitors daily.

Microsoft Skype for Business was implemented across the organisation to enable easier communication, remote video/audio connection, collaboration and reduce travel time between sites.

This year saw an update to the core switch in the datacentre to increase network efficiency and decrease ICT risk.

The telephone system was remodelled at Adelaide Zoo, which resulted in increased savings by migrating to internet telephony technology.

Adelaide and Monarto Zoos radio services were upgraded resulting in both sites operating on the same frequencies and covering a wider service range by implementing digital repeater systems. The quality of service has increased and emergency systems have been integrated through the telephone network into the radio and PA system.

A project team commenced review of our most significant organisational wide system, used for bookings and ticketing, with major improvements expected to be implemented during 2015/16.

## ACKNOWLEDGEMENTS

### HONORARY LIFE MEMBERS

TITLE	FIRST NAME	SURNAME
Sir	David	Attenborough
Mr	Max	Bourne
Mr	Nick	Cureton
Dr	Edward	McAlister AO
Mr	David	Minear
Dr	Rob	Morrison OAM
Mr	Alf	Prade
Mr	George	Purkiss
Rear Admiral	Kevin	Scarce

Zoos SA could not achieve so much without the help of many friends, colleagues, volunteers and supporters.

Zoos SA acknowledges and thanks our Patron, Governor of South Australia, Hieu Van Le.

Special thanks must go to volunteers Brian Rich, Peter McCarthy, Wayne Rohrig, Brian Matthews and Jenny McInerney, who have continued to provide diagnostic support and nutritional advice to the animal health team. Our thanks are also extended to all the external specialists and service providers: the South Australian Vet School (particularly the Veterinary Diagnostic Laboratory), the Adelaide Animal Hospital, Joan Davey, Dr Andrew Carter from Vetderm SA (part of the Adelaide Veterinary Specialist and Referral Centre), Repromed, Healthscope, Dr Tony Reed and his resident Dr Kellam Bayley from Animal Eye Care, Total Medical Imaging Solutions, Wildlife Health Australia and the Australian Registry of Wildlife Health.

Additional thanks goes to solicitor, Amanda Harfield, who has volunteered her time and been instrumental in the development of a framework for legislative compliance monitoring in our complex operating environment.

Zoos SA acknowledges the support received from the Department of Environment, Water and Natural Resources, the Department of Planning, Transport and Infrastructure and the Department of Primary Industries and Regions South Australia. Special thanks must go to the landowners involved in fieldwork to support the Yellow-footed Rock-wallaby project at Aroona, Kerry Gilkes and landowners in the Lucindale and Naracoorte region who have strongly supported our Red-tailed Black-cockatoo project and John Freeth and Sharon Ede who have supported our sustainability program.



# Financial Statements

**ROYAL ZOOLOGICAL SOCIETY OF SOUTH AUSTRALIA INC.  
EXTRACTS FROM THE AUDITED FINANCIAL STATEMENTS**

**STATEMENT OF PROFIT OR LOSS  
AND COMPREHENSIVE INCOME**

**YEAR ENDED 30 JUNE 2015**

	2015 \$	2014 \$
<b>REVENUE</b>		
Admissions, Membership and Other Revenue	14,548,035	14,173,637
Grants	7,805,239	7,242,499
Sundry Sales/Income	210,811	865,117
Bequests	1,531,798	328,910
<b>Total Revenue</b>	<b>24,095,883</b>	<b>22,610,163</b>
<b>EXPENSES</b>		
Salaries, Wages & On-Costs	(12,365,553)	(11,891,514)
Animal Care	(719,376)	(593,303)
Maintenance Consumables	(1,298,948)	(1,212,578)
Cost of Sales	(625,820)	(631,668)
Conservation & Research Projects	(2,279,492)	(1,584,528)
Utilities	(701,861)	(713,219)
Marketing & Promotion	(683,590)	(778,275)
Tours & Experiences	(887,737)	(1,096,572)
Depreciation	(2,408,616)	(2,440,039)
Onerous Lease Expense	790,734	(37,817)
Other Expenses	(1,748,957)	(1,306,709)
<b>Total Expenses</b>	<b>(22,929,216)</b>	<b>(22,286,222)</b>
<b>SURPLUS/(LOSS) FROM OPERATING ACTIVITIES</b>	<b>1,166,667</b>	<b>323,941</b>
Finance Income	122,869	89,102
Finance Expenses	(372,960)	(383,688)
<b>Net Financing Income/(Expense)</b>	<b>(250,091)</b>	<b>(294,586)</b>
<b>Surplus/(Loss) for the Period</b>	<b>916,576</b>	<b>29,355</b>
<b>Other Comprehensive Income/Expense Items that will never be reclassified to profit or loss</b>		
Change in fair value of financial assets at fair value through other comprehensive income	(8,762)	1,228
<b>Total Other Comprehensive Income/(Loss) for period</b>	<b>(8,762)</b>	<b>1,228</b>
<b>Total Comprehensive Income/(Loss) for period attributable to members</b>	<b>907,814</b>	<b>30,583</b>

ROYAL ZOOLOGICAL SOCIETY OF SOUTH AUSTRALIA INC.  
EXTRACTS FROM THE AUDITED FINANCIAL STATEMENTS

## STATEMENT OF FINANCIAL POSITION

YEAR ENDED 30 JUNE 2015

	2015 \$	2014 \$
<b>CURRENT ASSETS</b>		
Cash and Cash Equivalents	583,820	1,062,526
Receivables and Prepayments	501,611	3,155,479
Inventories	330,976	432,146
Held for Sale Property	-	1,500,000
<b>Total Current Assets</b>	<b>1,416,407</b>	<b>6,150,151</b>
<b>NON CURRENT ASSETS</b>		
Financial Assets at Fair Value	495,013	9,729
Property, Plant and Equipment	47,059,816	46,851,476
Total Non Current Assets	47,554,829	46,861,205
<b>Total Assets</b>	<b>48,971,236</b>	<b>53,011,356</b>
<b>CURRENT LIABILITIES</b>		
Sundry Creditors	1,456,859	3,548,616
Income in Advance	2,459,682	2,742,513
Loans and Borrowings	239,738	1,729,343
Provision for Onerous Lease	-	96,122
Employee Benefits	2,634,753	2,441,631
<b>Total Current Liabilities</b>	<b>6,791,032</b>	<b>10,558,225</b>
<b>NON CURRENT LIABILITIES</b>		
Loans and Borrowings	8,213,113	7,931,384
Income in Advance	500,000	1,000,000
Provision for Onerous Lease	-	994,612
Employee Benefits	342,839	310,697
Total Non Current Liabilities	9,055,952	10,236,693
<b>Total Liabilities</b>	<b>15,846,984</b>	<b>20,794,918</b>
<b>Net Assets</b>	<b>33,124,252</b>	<b>32,216,438</b>
<b>Reserves</b>		
Reserves	(7,455)	1,307
Retained Funds	33,131,707	32,215,131
<b>Total Equity</b>	<b>33,124,252</b>	<b>32,216,438</b>

**ROYAL ZOOLOGICAL SOCIETY OF SOUTH AUSTRALIA INC.  
EXTRACTS FROM THE AUDITED FINANCIAL STATEMENTS**

**STATEMENT OF CASH FLOWS**

**YEAR ENDED 30 JUNE 2015**

	2015 \$ INFLOWS (OUTFLOWS)	2014 \$ INFLOWS (OUTFLOWS)
<b>CASH FLOWS FROM OPERATING ACTIVITIES</b>		
<b>Receipts</b>		
Receipts from customers	13,546,740	13,319,158
Donations, Bequests and Sponsorships	2,572,132	1,431,601
<b>Payments</b>		
Wages and Salaries	(11,860,458)	(11,857,274)
Suppliers	(6,734,807)	(6,423,537)
Conservation & Research Projects	(4,419,230)	(480,839)
<b>Net Cash Provided by/(Used in) Operating Activities</b>	<b>(6,895,623)</b>	<b>(4,010,891)</b>
<b>CASH FLOWS FROM INVESTING ACTIVITIES</b>		
Purchase of Property, Plant and Equipment	(1,263,484)	(1,013,700)
Purchase of Shares and Investments	(494,046)	-
Interest and dividends received	122,869	89,102
<b>Net Cash Provided by/(Used in) Capital and Investing Activities</b>	<b>(1,634,661)</b>	<b>(924,598)</b>
<b>CASH FLOWS FROM FINANCING ACTIVITIES</b>		
Net State Government Grants Received	5,364,832	5,276,637
Net Other Grants Received	4,267,582	718,273
Repayment of Borrowings	(1,207,876)	(278,788)
Payment of Interest	(372,960)	(383,688)
<b>Net Cash Provided by Financing Activities</b>	<b>8,051,578</b>	<b>5,332,434</b>
<b>Net (Decrease)/Increase in Cash Held</b>	<b>(478,706)</b>	<b>396,945</b>
<b>Cash at the Beginning of the Year</b>	<b>1,062,526</b>	<b>665,581</b>
<b>Cash at the End of the Year</b>	<b>583,820</b>	<b>1,062,526</b>

**ROYAL ZOOLOGICAL SOCIETY OF SOUTH AUSTRALIA INC.  
EXTRACTS FROM THE AUDITED FINANCIAL STATEMENTS**

**STATEMENT OF CHANGES IN EQUITY**

**YEAR ENDED 30 JUNE 2015**

	FAIR VALUE RESERVES	RETAINED FUNDS	TOTAL EQUITY
	\$	\$	\$
Balance at 1 July 2013	79	32,185,776	32,185,855
Profit/(Loss) for the period	-	29,355	29,355
<b>OTHER COMPREHENSIVE INCOME</b>			
Change in fair value of financial assets at fair value through other comprehensive income	1,228	-	1,228
<b>Total Other Comprehensive Income/(Expense) for period</b>	<b>1,228</b>	<b>-</b>	<b>1,228</b>
<b>Total Comprehensive Income/(Expense) for period</b>	<b>1,228</b>	<b>29,355</b>	<b>30,583</b>
<b>Balance at 30 June 2014</b>	<b>1,307</b>	<b>32,215,131</b>	<b>32,216,438</b>
Balance at 1 July 2014	1,307	32,215,131	32,216,438
Profit/(Loss) for the period	-	916,576	916,576
<b>OTHER COMPREHENSIVE INCOME/(EXPENSE)</b>			
Change in fair value of financial assets at fair value through other comprehensive income	(8,762)	-	(8,762)
<b>Total Other Comprehensive Income/(Expense) for period</b>	<b>(8,762)</b>	<b>-</b>	<b>(8,762)</b>
<b>Total Comprehensive Income/(Expense) for period</b>	<b>(8,762)</b>	<b>916,576</b>	<b>907,814</b>
<b>Balance at 30 June 2015</b>	<b>(7,455)</b>	<b>33,131,707</b>	<b>33,124,252</b>

The financial report for the year ended 30 June 2015 has been prepared in accordance with Australian Accounting Standards, (including Australian interpretations) adopted by the Australian Accounting Standards Board (AASB) and the Associations Incorporations Act.

\*Copies of the Audited Financial Statements and Audit Opinion for the year ended 30 June 2015 are available to members at the Annual General Meeting or on our website [www.zoossa.com.au](http://www.zoossa.com.au)

**ROYAL ZOOLOGICAL SOCIETY OF SOUTH AUSTRALIA INC.  
EXTRACTS FROM THE AUDITED FINANCIAL STATEMENTS**

**REVENUES AND EXPENSES**

**YEAR ENDED 30 JUNE 2015**

						2015	2014
	ADELAIDE ZOO \$	MONARTO ZOO \$	WARRA- WONG \$	SOCIETY \$	FUND- RAISING \$	TOTAL \$	TOTAL \$
<b>REVENUE</b>							
Admissions	5,133,053	1,680,970	-	-	-	6,814,023	6,822,088
Education	599,509	162,935	-	-	-	762,444	655,855
Sponsorship	53,577	-	-	200,757	885,220	1,139,554	1,222,085
Bequests	-	-	-	-	1,531,798	1,531,798	328,910
Donations	2,463	2,972	-	9,283	383,372	398,090	377,366
Membership	-	-	-	2,491,966	-	2,491,966	2,269,036
Retail Sales	990,145	322,283	-	-	-	1,312,428	1,346,584
Catering Sales	621,756	59,514	-	-	-	681,270	643,935
Tours Income	358,402	312,031	-	-	-	670,433	599,247
Events	275,554	2,273	-	-	-	277,827	237,441
Sundry Sales/Income	120,596	54,521	-	35,694	-	210,811	865,117
Grants	20,980	37,520	-	7,746,739	-	7,805,239	7,242,499
<b>Total Revenue</b>	<b>8,176,035</b>	<b>2,635,019</b>	<b>-</b>	<b>10,484,439</b>	<b>2,800,390</b>	<b>24,095,883</b>	<b>22,610,163</b>
<b>EXPENSES</b>							
Salaries, Wages & On-Costs	5,626,209	2,597,094	3,275	3,946,507	192,468	12,365,553	11,891,514
Animal Care	244,211	308,378	-	166,787	-	719,376	593,303
Maintenance Consumables	977,375	262,855	572	58,146	-	1,298,948	1,212,578
Cost of Sales	483,416	142,404	-	-	-	625,820	631,668
Conservation & Research Projects	-	-	-	2,279,492	-	2,279,492	1,584,528
Utilities	521,619	177,577	2,665	-	-	701,861	713,219
Marketing & Promotion	11,863	4,246	-	649,384	18,097	683,590	778,275
Tours & Experiences	196,149	688,210	-	3,378	-	887,737	1,096,572
Depreciation	-	-	-	2,408,616	-	2,408,616	2,440,039
Onerous Lease Expense	-	-	(790,734)	-	-	(790,734)	37,817
Other Expenses	375,780	102,001	19,828	1,204,069	47,279	1,748,957	1,306,709
<b>Total Expenses</b>	<b>8,436,622</b>	<b>4,282,765</b>	<b>(764,394)</b>	<b>10,716,379</b>	<b>257,844</b>	<b>22,929,216</b>	<b>22,286,222</b>

# Appendices



## APPENDIX A

# CITES LISTED SPECIES

There are approximately 5,000 species of animals and more than 28,000 species of plants protected by the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES). These species are listed in one of three CITES Appendices, according to how threatened they are by international trade.

Animals listed under CITES Appendix I are those species threatened by extinction. The exchange of these species is permitted only in certain circumstances. These restrictions have implications for the maintenance of CITES I species in the zoo environment, as the import of such species can be a long and expensive exercise. These species, in particular, highlight the need for effective population management, with any CITES I species required to be managed under the Department of the Environment's cooperative conservation program. Adelaide Zoo currently houses 23 species of CITES I listed animal, while Monarto Zoo maintains 9 CITES I.

## CITES I SPECIES MANAGED WITHIN ZOOS SA COLLECTIONS (BY CLASS, IN ALPHABETICAL ORDER BY COMMON NAME FOR EASY REFERENCE).

### Reptilia

Madagascar Tree Boa	<i>Sanzinia madagascariensis</i>
Western Swamp Tortoise	<i>Pseudemydura umbrina</i>

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### Aves

Hyacinth Macaw	<i>Anodorhynchus hyacinthinus</i>
Illiger's Macaw	<i>Ara maracana</i>
Nicobar Pigeon	<i>Caloenas nicobarica</i>
Orange-bellied Parrot	<i>Neophema chrysogaster</i>
Palm Cockatoo	<i>Probosciger aterrimus</i>

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### Mammalia

Addax	<i>Addax nasomaculatus</i>
Black Rhinoceros	<i>Diceros bicornis minor</i>
Brush-tailed Bettong	<i>Bettongia penicillata ogilbyi</i>
Cheetah	<i>Acinonyx jubatus jubatus</i>
Chimpanzee	<i>Pan troglodytes</i>
Cotton-top Tamarin	<i>Saguinus oedipus</i>
Giant Panda	<i>Ailuropoda melanoleuca</i>
Golden Lion-tamarin	<i>Leontopithecus rosalia rosalia</i>
Greater Bilby	<i>Macrotis lagotis sagitta</i>
Greater Stick-nest Rat	<i>Leporillus conditor</i>
Hog Deer	<i>Axis porcinus</i>
Malayan Sun Bear	<i>Helarctos malayanus malayanus</i>
Malayan Tapir	<i>Tapirus indicus</i>
Mandrill	<i>Mandrillus sphinx</i>
Mesopotamian Fallow Deer	<i>Dama mesopotamica</i>
Nepalese Red Panda	<i>Ailurus fulgens fulgens</i>
Przewalski's Horse	<i>Equus ferus przewalski</i>
Ring-tailed Lemur	<i>Lemur catta</i>
Scimitar-horned Oryx	<i>Oryx Dammah</i>
Siamang	<i>Symphalangus syndactylus</i>
Sumatran Orang-utan	<i>Pongo abelii</i>
Sumatran Tiger	<i>Panthera tigris sumatrae</i>
White-cheeked Gibbon	<i>Nomascus leucogenys</i>



### **INTERNATIONAL UNION FOR THE CONSERVATION OF NATURE LISTED SPECIES**

The International Union for the Conservation of Nature (IUCN) has been assessing the conservation status of animal and plant species on a global scale for more than forty years. The categories and criteria are intended to be an easily and widely understood system for classifying species at a high risk of extinction.

IUCN listed species are represented throughout most of the taxonomic groups currently held at Adelaide and Monarto Zoos.

**SPECIES WITHIN ZOOS SA  
COLLECTION LISTED IN IUCN  
CATEGORIES OF MOST CONCERN**

**Extinct in Wild**

Scimitar Oryx *Oryx dammah*

**Critically Endangered**

Addax *Addax nasomaculatus*  
 Aruba Island Rattlesnake *Crotalus durissus unicolor*  
 Axolotl *Ambystoma mexicanum*  
 Black Rhinoceros *Diceros bicornis minor*  
 Brush-tailed Bettong *Bettongia penicillate ogilbyi*  
 Cotton-top Tamarin *Saguinus oedipus*  
 Eastern Bongo *Tragelaphus enrycerus isaaci*  
 Murray Cod *Maccullochella peelii*  
 Orange-bellied Parrot *Neophema chrysogaster*  
 Regent Honeyeater *Xanthomyza Phrygia*  
 Sumatran Orang-utan *Pongo abelii*  
 Sumatran Tiger *Panthera tigris sumatrae*  
 Western Swamp Tortoise *Pseudemydura umbrina*  
 White-cheeked Gibbon *Nomascus leucogenys*

**Endangered**

African Wild Dog *Lycaon pictus*  
 Australian Sea-lion *Neophoca cinerea*  
 Chimpanzee *Pan troglodytes*  
 Elongate Tortoise *Indotestudo elongate*  
 Giant Panda *Ailuropoda melanoleuca*  
 Golden Lion-tamarin *Leontopithecus rosalia rosalia*  
 Goodfellow's Tree-kangaroo *Dendrolagus goodfellowi*  
 Gouldian Finch *Chloebia gouldiae*  
 Hardyhead *Craterocephalus fluviatilis*  
 Hyacinth Macaw *Anodorhynchus hyacinthinus*  
 Malayan Tapir *Tapirus indicus*  
 Matschie's Tree-kangaroo *Dendrolagus matschiei*  
 Mesopotamian Fallow Deer *Dama mesopotamica*  
 Przewalski's Horse *Equus ferus przewalski*  
 Pygmy Blue-tongue Lizard *Tiliqua adelaidensis*  
 Regent Honeyeater *Anthochaera phrygia*

Siamang *Symphalangus syndactylus*  
 Southern Bell Frog *Litoria raniformis*  
 Sun Conure *Aratinga Soltitialis*  
 Swift Parrot *Lathamus discolor*  
 Tasmanian Devil *Sarcophilus harrisii*  
 Woma Python *Aspidites ramsayi*

**Vulnerable**

African Grey Parrot *Psittacus erithacus*  
 African Lion *Panthera leo senegalensis*  
 Aldabra Tortoise *Geochelone gigantean*  
 Australian Hooded Plover *Charadrius rubricollis*  
 Binturong *Arctictis binturong*  
 Brazilian Tapir *Tapirus terrestris*  
 Broad-headed Snake *Hoplocephalus bungaroides*  
 Chattering Lory *Lorius garrulous*  
 Cheetah *Acinonyx jubatus jubatus*  
 Common Hippopotamus *Hippopotamus amphibious*  
 Crimson-bellied Conure *Pyrrhura perlata*  
 Double-wattled Cassowary *Casuaris casuaris johnsonii*  
 Ghost Bat *Macroderma gigas gigas*  
 Greater Bilby *Macrotis lagotis sagitta*  
 Greater Stick-nest Rat *Leporillus conditor*  
 Java Sparrow *Padda oryzivora*  
 Malayan Sun Bear *Helarctos malayanus malayanus*  
 Malleefowl *Leipoa ocellata*  
 Mandrill *Mandrillus sphinx*  
 Nepalese Red Panda *Ailurus fulgens fulgens*  
 Quokka *Setonix brachyurus*  
 Small-clawed Otter *Aonyx cinerea*  
 Spur-thighed Tortoise *Testudo graeca*  
 White-bellied Caique *Pionites leucogaster*  
 Yabby *Cherax destructor*  
 Yarra Pygmy Perch *Nannoperca obscura*

## APPENDIX B

# PROFESSIONAL MEMBERSHIP

Dr Ian Smith, Dr David McLelland, Gayl Males and Dr Lynley Johnson – Wildlife Ethics Committee members

Elaine Bensted – Zoo and Aquarium Association Board Member

Gert Skipper – Carnivore and Small Exotic Mammal Taxon Advisory Group (TAG) Co Convenor

Liberty Olds – Australian Mammal Society (Council Member)

Liberty Olds – Robinson Research Institute, University of Adelaide

Phil Ainsley – South Australian Herpetology Group

Phil Ainsley – Australian Society of Herpetologists

## APPENDIX C

# STUDBOOKS MANAGED BY ZOOS SA

Studbooks are used worldwide to effectively manage ex-situ animal populations of wild animals. Studbooks contain the registration details of each animal of a particular species in captivity, including the animals' sex and birthdate, genetic profile, historical data and husbandry requirements. Studbook keepers maintain these databases and make recommendations for particular species in a regional capacity. Zoos SA currently manages the following studbooks:

## ASMP SPECIES STUDBOOKS MANAGED BY ZOOS SA EMPLOYEES

SPECIES		TAG	STAFF MEMBER	POSITION
Black-winged Stilt	Himantopus himantopus leucocephalus	Birds	V Wilson	Species Coordinator
Brush-tailed Bettong	Bettongia penicillata	Native Fauna	V Wilson	Species Coordinator
Ghost Bat	Macroderma gigas gigas	Native Fauna	J Hollamby	Species Coordinator
Greater Bilby	Macrotis lagotis sagitta	Native Fauna	J Buchecker	Species Coordinator
South Australian Mainland Tammar Wallaby	Macropus eugenii eugenii	Native Fauna	J Buchecker	Species Coordinator
Southern Hairy-nosed Wombat	Lasiorhinus latifrons	Native Fauna	G Skipper	Species Coordinator
White-browed Woodswallow	Artamus superciliosus	Birds	V Wilson	Species Coordinator
Yellow-footed Rock-wallaby	Petrogale xanthopus xanthopus	Native Fauna	J Buchecker	Species Coordinator



**APPENDIX D**

**CONSERVATION RECOVERY TEAMS**

Recovery teams are critical collaborations of government and non-government stakeholders and experts with a shared interest to develop and implement a recovery plan for a nationally listed species and/or an ecological community. Zoos SA is contributing both to captive and wild conservation efforts across many of these teams.

**ZOOS SA STAFF REPRESENTATIVES ON SPECIES RECOVERY TEAMS**

SPECIES		REGION	STAFF MEMBER
Black-flanked Rock-wallaby	<i>Petrogale lateralis lateralis</i>	State	B. Pohl, L. Olds
Brush-tailed Rock-wallaby	<i>Petrogale penicillata</i>	National	D. Schultz, L. Olds
Greater Bilby	<i>Macrotis lagotis sagitta</i>	State	J. Buchecker
Malleefowl	<i>Leipoa ocellata</i>	National	Observer Status
Mt Lofty Southern Emu-Wren & Fleurieu Swamps	<i>Stipiturus malachurus</i>	National	V. Russell
Murraylands Threatened Flora		State	P. Ainsley
Orange-bellied Parrot	<i>Neophema chrysogaster</i>	National	P. Ainsley
Pygmy Blue-tongue Lizard	<i>Tiliqua adelaidensis</i>	State	T. Morley, P. Ainsley
Southeast Red-tailed Black-cockatoo	<i>Calyptorhynchus banksii graptogyne</i>	National	V. Russell, L. Olds
Southern Brown Bandicoot	<i>Isodon obesulus</i>	State	V. Russell
Threatened Mallee Birds		National	L. Olds
Western Swamp Tortoise	<i>Pseudemydura umbrina</i>	WA state	T. Morley



## APPENDIX E

### STAFF PUBLICATIONS

Chen M.M.S., W.S.J. Boardman, Ian Smith, Amanda E. Goodman, Melissa H. Brown, 'Characterisation of  $\beta$ -lactam resistance mediated by blaZ in staphylococci recovered from captive and free-ranging wallabies', *Journal of Global Antimicrobial Resistance*. <http://dx.doi.org/10.1016/j.jgar.2015.05.002>

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Daniell, T 2015 'Determining the effect of different sex ratios on behaviour in a captive population of the pygmy bluetongue lizard, *Tiliqua adelaidensis*', *Honours Thesis Flinders University*

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LePage, V, Young, J, Dutton, C, Crawshaw, G, Pare, J, Kummrow, M, McLelland, D, Huber, P, Young, K, Russell, S, Al-Hussinee, L, and Lumsden, J 2015 'Diseases of captive yellow seahorse *Hippocampus kuda* Bleeker, pot-bellied seahorse *Hippocampus abdominalis* Lesson and weedy seadragon *Phyllopteryx taeniolatus* (Lacepede)' *Journal of Fish Diseases*, vol. 38, pp. 439-450 <http://onlinelibrary.wiley.com/doi/10.1111/jfd.12254/abstract>

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McLelland DJ, Fielder K, Males G, Langley N and D Schultz 'Successful transfer of a Goodfellow's tree kangaroo (*Dendrolagus goodfellowi*) pouch young to a yellow-footed rock wallaby (*Petrogale xanthopus*) surrogate', *Zoo Biology*

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Olds, LGM, 2014 'Preliminary feasibility study of establishing a captive bred Mallee Emu-wren *Stipiturus mallee* ex-situ insurance population', *Department of Environment, Water and Natural Resources, South Australia and Birdlife Australia*.

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Pound, LM, Ainsley, PJ, and Facelli, JM, 2014 'Dormancy-breaking and germination requirements for seeds of *Acacia papyrocarpa*, *Acacia oswaldii* and *Senna artemisioides* ssp. *xcoriacea*, three Australian arid-zone Fabaceae species', *Australian Journal of Botany*, vol. 62, no. 7, pp. 546-557. <http://www.publish.csiro.au/nid/65/paper/BT14077.htm>

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Russell, S, Tubbs, L, McLelland, DJ, LePage, V, Young, KM, Huber, P and Lumsden, JS 2015, 'Amyloid associated with neoplasia in two captive tricolour sharkminnows *Balantiocheilus melanopterus*' Bleeker *Journal of Fish Diseases*, vol 38 pp. 561-565 <http://onlinelibrary.wiley.com/doi/10.1111/jfd.12266/abstract>

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Wait, LF, Srour\*, A, Smith†, IG, Cassey\*, P, Sims, SK, and McAllister, MM 2015 'A Comparison of Antiserum and Protein A as Secondary Reagents to Assess *Toxoplasma gondii* Antibody Titers in Cats and Spotted Hyenas' *J. Parasitol*, vol. 101, no. 3, pp. 390-392. <http://www.ncbi.nlm.nih.gov/pubmed/25710628>

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# APPENDIX F

## CONFERENCE PRESENTATIONS AND WORKSHOP ATTENDANCES

DATE	CONFERENCE, PRESENTATION AND/OR WORKSHOP	STAFF MEMBER	PRESENTATION/PAPER PRESENTED
<b>July 2014</b>	Australian Mammal Society 60th Scientific Meeting	Conservation and Sustainability Coordinator, Liberty Olds,	
<b>August 2014</b>	Fostering Sustainable Behaviour – An Introduction to Community-based Social Marketing, Adelaide, SA	Director of Business Operations, Sarah Brown GM Strategic Marketing and Fundraising, Russell Schrale Marketing Manager, Dianne Baruch Conservation and Sustainability Coordinator, Liberty Olds Sustainability Officer, Wayne Yorath Policy and Grant Coordinator, Robyn Bishop	
<b>September 2014</b>	ZAA Animal Records Keeping Advisory Group Biannual Meeting and Workshop, Dreamworld, QLD	Curator Collection Development, Gert Skipper, Murray Guy and Jodi Buchecker	
	Tasmanian Devil Workshop, Hobart, TAS	Monarto Zoo Team Leader of Natives, Althea Guinsberg, and Monarto Zoo Curator of Life Sciences , Beth Pohl	
	Malleefowl Forum, Dubbo, NSW	Monarto Zoo Keeper Vaughan Wilson and Adelaide Zoo Bird Keeper, Mal Norman	Poster Presented: The role of Zoos SA in the Malleefowl program and its potential future plans
	Wildlife Diseases Conference, Tidbinbilla Nature Reserve, ACT	Veterinarian, Dr Jerome Kalvas	A Survey of the presence of the Amphibian chytrid fungus <i>Batrachochytrium dendrobatidis</i> (Bd) in frog and tadpole populations of the Adelaide bioregion of South Australia

DATE	CONFERENCE, PRESENTATION AND/OR WORKSHOP	STAFF MEMBER	PRESENTATION/PAPER PRESENTED	
<b>October 2014</b>	ZAA Social Carnivore and Primates Workshop	Zoos SA hosted event		
	Training and Conditioning Conference, Sydney, NSW	Monarto Zoo Senior Carnivore Keeper, Sarah Washford and Monarto Zoo Keeper, Jon Allon Adelaide Zoo Senior Keeper Children's Zoo, Deb Barry Adelaide Zoo Ungulate Keeper, Amy Nelson	Training is choice and choice is training (for Sarah and Jon)	
	Tasmanian Devil Captive Management Course Part 2, Trowunna Wildlife, TAS	Monarto Zoo Native Keeper, Daniel Saliba		
	Southern Yorke Peninsula Conservation Action Planning Workshop, Port Victoria, SA	Conservation and Sustainability Coordinator, Liberty Olds		
	Spatial Statistics and Modelling of Species Distribution hosted by Professor Fangliang He	Conservation and Sustainability Coordinator, Liberty Olds		
<b>November 2014</b>	Ungulate Workshop, Altina Wildlife Park, NSW	Director Life Sciences, Peter Clark Monarto Zoo Curator of Life Sciences Beth Pohl Monarto Zoo Team Leader of Ungulates Anna Bennett Monarto Zoo Senior Keeper of Ungulates, Mark Mills Monarto Zoo Ungulate Keeper, Haidee Kinter		
	<b>February 2015</b>	Southern Yorke Peninsula Conservation Action Planning Workshop, Port Vincent, SA	Conservation and Sustainability Coordinator, Liberty Olds	
		Threatened Mallee Bird Conservation Action Plan and Implementation Team Workshop, Melbourne, VIC	Conservation and Sustainability Coordinator, Liberty Olds, and Acting Director of Conservation, Planning and Sustainability, Stella Kondylas,	
		ZAA workshop, Sydney, NSW	Acting Director of Conservation, Planning and Sustainability, Stella Kondylas	Presentation: Zoos SA involvement in conservation recovery programs
			Adelaide Zoo Herbivore Keeper, Mary Johnson	Zookeeping: What's Changed in 25+ Years
<b>March 2015</b>	ASZK Conference, Hobart, TAS	Monarto Zoo Ungulate Keeper, Haidee Kinter	Presentation: 'Raising Esi'	

DATE	CONFERENCE, PRESENTATION AND/OR WORKSHOP	STAFF MEMBER	PRESENTATION/PAPER PRESENTED
		Monarto Zoo Ungulate Keeper, Tash Walker	Poster: Zoos SA involvement with the Mainland Tammar Wallaby release program at Innes National Park
		Adelaide Zoo Herbivore Keeper, Mary Johnson	Zookeeping: What's Changed in 25+ Years
	International Gibbon Conference, Perth Zoo, WA	Adelaide Zoo Senior Primate Keeper, Jodie Ellen	Presentation: Work in Indonesia and Cambodia, with the theme of the talk 'Keepers and Conservation'
<b>April 2015</b>	Tasmanian Devil Captive Management Course Part 1, Trowunna Wildlife Park, TAS	Monarto Zoo Team Leader of Natives, Althea Guinsberg  Monarto Zoo Senior Natives Keeper, Louise Stockburger	
	VNCA Conference, Melbourne, VIC	Animal Health Centre Manager, Dianne Hakof  Veterinary Nurse, Lynnette Drabsch	
<b>May 2015</b>	Community-based Social Marketing Advanced Course	Director of Business Operations, Sarah Brown  GM Strategic Marketing and Fundraising, Russell Schrale  Marketing Manager, Dianne Baruch  Conservation and Sustainability Coordinator, Liberty Olds  Sustainability Officer, Wayne Yorath  Policy and Grant Coordinator, Robyn Bishop	
	AGIdeas Design Conference, Melbourne, VIC	Graphic Designer, Ryan Thomas	
	Santos Global Environment Network, Adelaide, SA	Conservation Program Manager, Phil Ainsley	Presentation: Role of zoos in species conservation
	VetSAG F2F meeting and ZAA workshop, Sydney, NSW	Veterinarian, Dr Lynley Johnson	
<b>June 2015</b>	Australian Skype for Business Launch and Conference, Sydney, NSW	ICT Manager, Ashlen Naicker	Discussion panel: The success of Zoos SA's Skype for Business implementation plan
	International Rhino Keeper Conference, London, England	Monarto Zoo Keeper, Christylee Tonkin	

# APPENDIX G

## ZOOS SA VOLUNTEER AWARDS

AWARD NAME	RECIPIENTS		
<b>PREMIERS AWARD</b>	Tom Whitworth	Rosemary Barnet	Rose Richards
	Sue Brierly	Maureen Wake	
<b>PRESIDENT'S AWARD</b>	Tom Whitworth		
<b>30 YEAR SERVICE AWARD</b>	Mac Boyle	Pam Page	
<b>20 YEAR SERVICE AWARD</b>	John Ryan	Diane McGrath	Bob Baskerville
	Beverley Berry	Jacqui Baskerville	
<b>10 YEAR SERVICE AWARD</b>	Laity Bruce	Schutze Janice	Taylor Sandra
	Richards Dianne	Taylor Barb	Conlin Dennis
	Bennett Robin	Vinall Helen	Gee Anna
	DiLorenzo Pam	Levinson Hugh	Thomson Russell
	Morris Don	Phillips John	
<b>5 YEAR SERVICE AWARD</b>	Barry Hickman	Ann Rixon	Terry Hanlon
	Allen Critten	Colleen Roberts	Peter Davies
	Rachel Faull	Stephen Rogers	Frank Dite
	Malcolm Kennedy	Lin Rohde	Pamela Fidler
	Bronwyn Kelly	Sue Scarfe	Lynn Kerr
	Judy Bailey	James Seidel	Richard Forster
	Judith Dawes	Julie Stewart	Claire Reichstein
	Dianne Fairhead	Debra Thomass	Anne Brown
	Jan Martin	Tiffany Weir	Helen McDonald
	Wendy Miller	Brian Ford	Carolyn Toohey
	Jillian Milne	Anne Van Beek	Phyl Highet
	Leanne Orbanic	Lauren Engledow	Narelle Wagener
	Sally Pearce	Di Lovatt	Colin Hastwell

## ZOOS SA STAFF SERVICE AWARDS

AWARD NAME	RECIPIENTS	
<b>10 YEARS</b>	Wendy Hay	
<b>20 YEARS</b>	Janette Moore	Peter Collicelli
<b>25 YEARS</b>	Jennifer Moffitt	David Butters

# ZOOS SA ANNUAL REPORT 2014/15

## PHOTO LISTING AND CREDIT

**Front cover** – Yellow-footed Rock-wallaby with cross-fostered Goodfellow's Tree-kangaroo, photo by Kate Fielder

**Page 2** – Aldabra Tortoise, photo by Dave Mattner

**Page 4** – Injured Western Grey Kangaroo from the Sampson Flat bushfire receiving treatment at the Adelaide Zoo Animal Health Centre, photo by Dave Mattner

**Page 6** – Zoos SA and Variety SA launch of the Nature's Playground partnership, photo by Dave Mattner

**Page 8** – Monarto Zoo female Giraffe herd, photo by Dave Mattner

**Page 10** – Adelaide Zoo Sumatran Orangutan Puspa, photo by Dave Mattner

**Page 12** – Adelaide Zoo Giant Panda Fu Ni, photo by Dave Mattner

**Page 14** – Monarto Zoo Spotted Hyena cub Thandiwe, photo by Dave Mattner

**Page 16** – Adelaide Zoo Sumatran Orangutan Kemiri, photo by Dave Mattner

**Page 19** – Monarto Zoo Tasmanian Devil, photo by Dave Mattner

**Page 20** – Injured Western Grey Kangaroo from the Sampson Flat bushfire receiving treatment at the Adelaide Zoo Animal Health Centre, photo by Dave Mattner

**Page 21** – Monarto Zoo bull Giraffe herd at sunrise, photo by Dave Mattner

**Page 22** – Adelaide Zoo Yellow-footed Rock-wallaby with joey, photo by Dave Mattner

**Page 25** – Sera Conservancy Wildlife Rangers, photo provided by Peter Clark

**Page 26** – Monarto Zoo Cheetah Kwatile with Carnivore Keeper Gale Akerman, photo by Dave Mattner

**Page 27** – Zoo Learning students on an overnight Zoosnooze experience, photo by Dave Mattner

**Page 28** – Monarto Zoo Plains Zebra, photo by Dave Mattner

**Page 31** – Adelaide Zoo Nile Hippo Susie enjoys Brutus's 50<sup>th</sup> birthday celebration, photo by Dave Mattner

**Page 32** – Monarto Zoo Southern White Rhinoceros Ibutho with Ungulate Keeper Matt Brewer, photo by Dave Mattner

**Page 35** – Participants on the Westpac Coati Brief Animal Encounter, photo by Dave Mattner

**Page 36** – Visitors at Adelaide Zoo's Halloween spook-tacular, Boo at the Zoo, photo by Dave Mattner

**Page 37** – Carnivore Keepers Pij Olijnyk and Arliah Hayward celebrating Kemiri the tiger's 20<sup>th</sup> birthday, photo by Dave Mattner

**Page 38** – Adelaide Zoo Flamingo Pond with the historic Dragon Tree, photo by Dave Mattner

**Page 39** – Participants on the Monarto Zoo Meerkat Mingle, photo by Dave Mattner

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**Page 43** – Adelaide Zoo staff photo atop the Barbary Sheep mountain before it was demolished to make way for the new Nature's Playground, photo by Dave Mattner

**Page 44** – *Top Image*: National Volunteer Week Cocktail event - Pam Page recipient of the 30 Year Service Award and John Ryan, Jacquie Baskerville and Bob Baskerville recipients of the 20 Year Service Award, photo by Sarah Elizabeth Taylor  
~ *Bottom Image*: National Volunteer Week Cocktail event - Rosemary Richards and Rosemary Barnet recipients of the Premier's Award, photo by Sarah Elizabeth Taylor

**Page 46** – Adelaide Zoo Tamarin Tunnel aerial walkway, photo by Dave Mattner

**Page 47** – Adelaide Zoo visitor enjoying a coffee at Wisteria Café while accessing the Kern IT free Wi-Fi service, photo by Dave Mattner

**Page 48** – Monarto Zoo Chimpanzees Zombi and Zuri, photo by Geoff Brooks

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