

Year In Review

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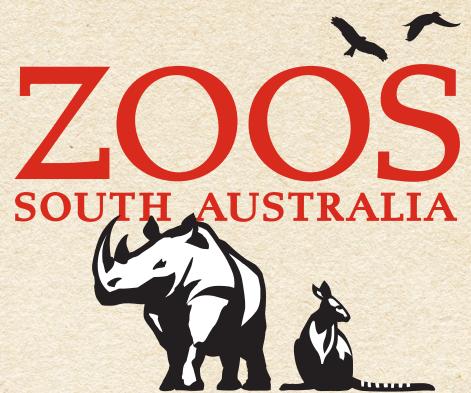
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President and CEO's Report





(from left to right): HRH Crown Princess Victoria; Professor Chris West, CEO RZSSA; Mrs Heather Caddick, President RZSSA; Lena M Lindén, Managing Director Nordens Ark; Göran Bengtsson, Chairman Nordens Ark; Dame Jane Goodall



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President's Report 2009

2009 has been The Year of Renaissance for Adelaide Zoo, where the Board and Executive have steered an upgrade and rebuilding program to repair dilapidated infrastructure, inadequate fencing and security, and also the construction of a magnificent new Entrance Plaza facing Botanic Park.

This makeover has been triggered by the pending arrival of Giant Pandas Funi and Wang Wang, in preparation for the expected doubling of visitor numbers to Adelaide Zoo.

An \$18.9 million grant from the State Government of SA facilitated the upgrade, and we are grateful to Premier Mike Rann for supporting this project.

In January this year 500 hectares of land adjoining Monarto's northern fenceline was purchased freehold, making Monarto, at 1500 hectares, the largest open-range Zoo in the world.

This valuable addition will allow for expansion of our conservation projects, more space for animal enclosures, and the



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development of safari-style accommodation. The Serengeti Committee, chaired by Robert Gerard, is fundraising for this project, and we are grateful to the SA Tourism Commission for their support in facilitating a feasibility study for the development of Monarto as a prime tourism location, just 40 minutes drive from Adelaide.

In April the Westpac Envirodome Education Centre was opened at Adelaide Zoo. Zoos SA provides class-time for 60,000 children every year, and our transportable classrooms were entirely inadequate for this expanding sector.

Funding was provided by Westpac, which sponsored the Discovery Centre. The Department of Education and Children's Services sponsored new classrooms and office space, and Zoos SA has provided a new library and resource centre, and a green rooftop camping facility, with permanent tents for sleepovers.

This state-of-the-art education centre is providing a hands-on approach to environmental learning, which not only informs, but is great fun!

Zoos SA exists to save animals from extinction, and under the banner of Conservation Ark, we are actively involved in breeding programs for our endangered native species.

Conservation Ark is the science and research arm of Zoos SA and it holds one of the largest portfolios of native animal research projects in Australia. There have been many notable successes this year, but I shall focus on the Warru, or Black-flanked rock wallaby from the APY lands in north-western SA where an estimated 100 remain in the wild.

The Warru are being successfully cross-fostered by Yellow-footed rock wallabies at Monarto, and two joeys were born there in April. This project is being enthusiastically supported by the Indigenous community of the APY lands, and they sent us an Aboriginal painting signifying the importance of Warru, which now hangs in the CEO's office at Adelaide Zoo.



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In July the wonderful \$2m Chimpanzee enclosure was opened at Monarto, and is the largest in Australasia, covering 3000 square metres. It includes a two-story gym-style Chimp playroom, and outstanding viewing areas for visitors. The July school holidays saw record visitor numbers at Monarto, which can be attributed in part to the advent of the Chimps.

As I write this report, the Giant Panda enclosure is emerging as a magnificent home for Funi and Wang Wang, and the golden bamboo forest, undulating pathways and mature elms lend a Chinese ambience and tranquillity.

The works team from Hindmarsh Constructions are to be congratulated for their outstanding work ethic, as this two and a half year project has been completed in 12 months.

Zoos SA is also a vibrant and expanding conservation organisation with over 25,000 Members. A recent Life Members drive recruited four times the suggested target!

I would like to thank our 400 plus Volunteers for their dedication, passion and hard work, the Executive and Staff for working at a cracking pace on the construction site of Adelaide Zoo and development projects at Monarto, and to sponsors and friends of Zoos SA. I would like to acknowledge and thank Board members for their hard work and support throughout the year.

This Renaissance has heralded an exciting and historic era for the Society, and it is a privilege to serve as President during this time.

Heather Caddick,

President, RZSSA

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The purpose of an annual report is to capture a narrative of the previous year in such a way as to present key information and highlights. It is vital to reflect the way in which all parts of an organization make a contribution so that the readers appreciate how all the constituents make a total which is greater than the sum of the parts. True for Zoos SA/Conservation Ark. Traditionally, assuming an organization is continuing on an upwards trajectory, it allows reference to how things are only getting better . . . also true!



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Well, within the scope of our organization and its clear conservation and environmental education mission, we are certainly making progress and this progress is in some ways despite the prevailing external operating environment. So, notwithstanding the advent of a global financial crisis and a related hesitancy on the part of governments and companies to invest in our work, we find that we are growing at an unprecedented pace and striking a chord with the public about environmental and conservation concerns. Our Membership and media profile statistics demonstrate that we are now 'playing in a different league' and we are forging partnerships and receiving support that we could not have expected in the past.

Others have provided a factual overview and heartfelt thank-you messages to a growing team spanning Board, staff and Volunteers, and so I will mention three topics. The first is that, like any organization and human collective going through very significant growth and change, we have some growing pains. I don't particularly mean the pains of upgrading business processes and systems, although we have a few of those. I am referring to the pace and tempo within the organization, the pressure put on many people as we take on major projects (enormous ones like the Giant Pandas, new fence and entrance at Adelaide and the new African experience on the new extension to Monarto...running to plan and budget I might add!) and make operational changes at the same time. For a period of time this is asking a lot of people and there are inevitable groans and creaks. But this will ease as we can reduce some of the pace and we catch our breath and refocus on to our core role of conservation, mediated increasingly through the identity of Conservation Ark. Which brings me to the second topic. During the year just past we have demonstrated through actions that we 'do' conservation. Just one recognition out of many, but extra special as it is objective and international, was the invitation to 'twin' Conservation Ark with Nordens Ark in Sweden.

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Nordens Ark is the purest and most uncompromising, zoo-based conservation NGO in the world. It has a 20-year history of integrated projects which have secured a future for some of Scandinavia's most endangered wildlife. Its underlying strength is integrity. It measures and weighs every decision and priority against conservation needs and environmental and humanitarian values. We can learn a great deal from their example as we seek to navigate the shoals of providing the right advice to consumers about, for example, the perils for Orang-utans of runaway palm oil consumption. It will help us as we continue to 'think globally and act locally'.

The third topic is more of a reflection or observation and it relates to one of the characteristics that makes us different. It is perhaps a product of our proud independent status and a tradition of creativity bordering on the eccentric. I am referring to the fact that we have an increasing number of conversations with individuals and organizations who are attracted to our open mindedness and ability to cross over into multicultural areas, into the creative dimensions of art, drama and music, into the community dimensions of disadvantaged groups, plus health programs and walking opportunities – the list goes on. But in every new relationship there seems to be a point at which we say 'why not?' and share a sense of something that combines a love of nature, care for the environment and a responsibility to improve aspects of human society too. I think it is this last topic that makes us stand out from the crowd and long may it continue.

Chris West

CEO, RZSSA, Professor of Zoology, University of Adelaide; Professor of Biodiversity Conservation, Flinders University



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Conservation Ark

This year saw the launch of Conservation Ark, the Society's integrated science and conservation arm. Conservation Ark was established to encompass the increasing range of conservation activities that the Society is involved with, including direct co-ordination and management of threatened species programs and field support and captive breeding for release to the wild, as well as research.

To coincide with the launch of Conservation Ark, a new website has also been created profiling some of our conservation and research activities, and that can be seen at www.conservationark.com.au. There are many plans to continue to grow the reach of Conservation Ark's activities, so remember to visit the website and see what new programs we are involved with.



Native Species

Native programs continue to be a focus for Conservation Ark activities, with several projects reaching important milestones in the last year.

The Brush-tailed rock wallaby program entered a new stage with the first reintroduction of 10 animals into the Grampians National Park in November. Many years of site preparation, baiting, captive breeding and planning went into reaching this point. The reintroduction was celebrated with a gala evening at the Royal Mail Hotel in Dunkeld where the many partners and sponsors were thanked for their contribution to the program. Increases in the wild population were also seen along the Snowy River where that population now contains more than 20 individuals.

The Black-flanked rock wallaby, or Warru, program has seen some exciting developments. The captive population has grown with further pouch young brought back from the wild and cross-fostered into Yellow-footed rock wallaby mothers. And population growth has also come from the first joeys being born in captivity. Field work has discovered animals at new sites, expanding the known range and numbers of animals, and information continues to be collected on habitat requirements and genetics which provides the basis for reintroduction planning. Several Anangu rangers also visited Adelaide and Monarto to gain experience in working with native species, building the capacity of staff in the APY lands.



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A fourth reintroduction of 43 SA mainland Tammar wallabies was undertaken at Innes National Park and now 125 animals have been returned to the wild. This wild population is stabilising and with a third generation having been born in the wild, there is great hope for its continued survival in SA. This is a great result for a previously extinct group whose continued existence is owed to a feral population in New Zealand. The predator control associated with the release has not only allowed the Tammars to return, but park staff have also seen improvements in the populations of other species at Innes National Park, including mallee fowl, hooded plovers, bushstone curlew, goannas and whip birds.

The yellow-footed rock wallaby reintroduction to Aroona sanctuary in the Northern Flinders Ranges continues its success, with more than 70 individual animals recorded at the site since the reintroduction in 1995. In an effort to control the feral animals and monitor the grazing pressure, staff have laid over 400 poison baits and monitored more than 500km of transect in the last year. The twice-yearly trapping sessions to monitor the yellow-footed rock wallaby population have also been taken on again by Conservation Ark, with information contributing to the statewide population database.

Work continues in the north Kimberley where fauna surveys have been conducted for several years. This year saw several new species added to the survey with the first captures of Northern carpet python, Yellow-faced whip snake and Pygmy mulga snake, as well as the discovery of a likely new species of gecko. The most recent survey marked the last data collection period for two PhD students who are now finishing the analysis of data for small mammals and rock wallabies in the region.





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The contributions of the long-term research into Southern hairy-nosed wombats to conservation were recognized this year with an ARAZPA research award, so congratulations to Dr David Taggart and his team of researchers. This year they completed surveys on the Yorke Peninsula to identify existing wombat colony sites and the likely size of the colonies, as well as mapping warren density and distribution in the Murraylands using satellite imagery. Two student projects into wombat biology were also completed.

Another project has investigated the lives of wild echidnas found within Monarto Zoo. Also close to Monarto is Ferris-Macdonald Conservation Park which is home to a small group of Mallee fowl. Several staff were involved in visiting the park and collecting Mallee fowl eggs from the large vegetation mounds the birds use as nests, and then incubating these at Adelaide Zoo. Three chicks now join others in the collection, and it is intended to start captive breeding when they become sexually mature.

Other work with birds is also occurring with the long-term pelican study at Outer Harbour continuing and expanding to better understand the effect of fisheries on Black-faced cormorants. In the lab work is being conducted to understand carotenoids in birds; their metabolic pathways, the role of maternal and dietary carotenoids and their role in colouration and breeding.

Conservation Psychology

Addressing human consumption patterns is a critical part of conservation as, without doing so, much on-ground conservation work will be in vain as climate change and pollution create dramatic changes in the landscape. Even today, events that were thought of as once in 100 year events are becoming standard with devastating effects. Without a change in the way we humans think and behave the continued existence of many species remains tenuous.

With this in mind, Conservation Ark is developing its conservation psychology activities. Conservation psychology is a relatively new field that aims to discover how to change non-sustainable human behaviour in order to protect the natural environment and conserve diminishing natural resources. It draws principles from all areas of psychology, and facilitates collaboration with practitioners from other fields including ecology, biology and social science.

Several projects have been looking at people's conservation knowledge, as well as attitudes and behaviours. Work is being undertaken looking at the impact of viewing a Keeper feed of Wild dogs, and different experiences with Orangutans and tigers. Research into the impact of a Cheetah encounter at Monarto found people showed an increase in Cheetah knowledge, but no change in pro-conservation attitudes (which were already high initially). Importantly no behavioural indicators of stress were observed in the animals participating in the encounter either.

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As part of a national campaign aimed at raising awareness of issues facing primates in the Congo, Conservation Ark launched the They're Calling on You campaign. This campaign is linked with the new Chimpanzee exhibit at Monarto and asks people to recycle their old mobile phones and so reduce the need for mining of coltan – a precious metal whose mining in the Congo affects the survival of many endangered primate species.

Other programs are being developed in conjunction with Interpretation to look at the messages we give to our visitors and partners, to develop campaigns aimed at changing nonsustainable behaviours and to look further at the impact of wildlife encounters on people's knowledge, attitudes and behaviours. Conservation Ark is also a participant of a national linkage grant looking at fostering pro-environmental behaviour of Zoo visitors through strategic communication.

Conservation Medicine

Conservation Ark's research and conservation activities in relation to animal health and disease are expanding, with details of the activities given under the veterinary conservation programs. Research continued into the health of wombats, looking at treatments for sarcoptic mange in wombats, and seasonal changes in antioxidants in the diet of wombats, and projects looking at avian influenza commenced.

Year of the Frog

2008 was the Year of the Frog and Conservation Ark was part of the international campaign aimed at raising awareness and funds for amphibian conservation. With more than a third of the world's frogs facing extinction, and amphibians being an important part of our natural diversity there was a clear reason to be involved in this campaign and more than \$25,000 was sent to aid frog conservation.

The Year of the Frog also saw the launch of the revamped community Frog Census program as a web-based program (www.frogatlas.com.au). The Frog Atlas builds on 14 years of work by the Environment Protection Authority and enables members of the community to add information about local frog species that have been heard calling, as well as learn to identify frogs themselves and be able to look at frog distributions within SA.

International events

Conservation Ark was also involved in several international events, hosting the Conservation Breeding Specialist Group meeting in Adelaide in October, as well as the Australian arm of the media launch of the release of the revised IUCN redlist with Jane Goodall. Carla Litchfield also took a tour to Africa visiting Great Ape conservation and research sites. In addition, Conservation Ark signed a twinning agreement with Nordens Ark in Sweden, a not-for-profit conservation organisation which supports species and habitat conservation, as well as informing and inspiring people to care for the natural world.



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Teaching

Conservation Ark staff are involved in lecturing for a range of courses at the three local universities – the University of Adelaide, Flinders University and Uni SA – as well as Charles Sturt University. Flinders University students also used camping facilities at Indaba where they were involved in a week-long field course discovering more about the flora and fauna of Monarto. Some teaching time was bought from Flinders University for Dr Mark Lethbridge who helped put in place structures for the development of Conservation Ark, prior to the creation of a full-time position of head of Conservation Ark.

Project support

In addition to the wide range of projects being undertaken by Conservation Ark staff, we have been involved in supporting projects undertaken by others. These have ranged from providing bones from meals of the large carnivores to students in the Australian Centre for Ancient DNA to test DNA extraction methods, to trialling different 'house' designs with Fat-tailed dunnarts at Adelaide Zoo for use as a field monitoring tool for the endangered Kangaroo Island dunnart and providing funding support to partner organisations, including linkage grants with Tasmanian devils and Pygmy blue-tongue lizards. The Victorian bushfires hit many Victorians hard, including some of the native species. Only 2000 Leadbeater's possum were thought to be alive last year, and the fires burnt more than 40% of the Leadbeater's remaining habitat, making their situation even more critical. Public donations to aid wildlife recovery after the Victorian bushfires, totalling more than \$8800, were sent to help Parks Victoria and The Friends of the Leadbeater's Possum set up nest boxes for Leadbeater's possums where natural hollows had been lost in the fires. Conservation Ark also donated \$5000 to aid a long-term research program into Leadbeater's possums that had more than a third of its monitoring sites burnt.

Into the future

The need for science-based conservation is stronger than ever and with this in mind, Conservation Ark staff continue to explore new opportunities to discover the best methods for conserving the species we share the planet with. We look forward to an eventful and productive year ahead.

Research Students

With 42 student projects being supervised by Conservation Ark staff, it has been another very busy year for the research students. Nineteen projects started and another ten projects were completed – congratulations to the graduating students. The projects have been diverse and many hours have been spent in the field and lab, as well as writing up theses.



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Commencing undergraduate project students

Amy Butler	"Circadian activity patterns in breeding pelicans, gulls and ibis"
Lucy Catt	"Analysis of the Adelaide Zoo bird survey 2001-2009"
Rebecca Dew	"The influence of hatch order on variation in pelican eggs"
Sarah Pearson	"Genetics of the SA mainland Tammar wallabies"

Commencing honours students

Kelly Arbon	"Spatial distribution of sarcoptic mange in wildlife in South-Eastern Australia"	(University of Adelaide)
Bronwyn Bader	"Echidna ecology at Monarto Zoo"	(Flinders University)
Kate Barratt	"Behavioural studies in mother-reared and foster-reared rock wallabies"	(University of Adelaide)
Samantha Blight	"Fire ecology of stellate Knob-tailed geckos"	(Flinders University)
Kellie Howell	"Development and brood reduction in Black-faced cormorants"	(Flinders University)
Angharad Johnston	"Development of microsatellites for Australian pelicans"	(Flinders University)
Andrea Pratt	"An investigation of zoo visitor attitudes towards carcass feeding for carnivores,	(UniSA)
	before and after a public carcass feeding experience of African wild dogs	
	(Lycaon pictus) at Monarto Zoo, and the impact on knowledge and conservation	
	attitudes in humans"	
Jenny Procter	"Habitat use and activity patterns of reintroduced, captive-bred, Brush-tailed	(University of Adelaide)
	rock wallabies in the Grampians National Park"	
Chelsea Sims	"Dietary manipulation of sex-ratio in parrots"	(Flinders University)
Sally South	"Fire ecology of Mallee tree dragon lizards"	(Flinders University)



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Completed honours projects

Jade Adams	"Demography of Marbled gecko (<i>Christinus marmoratus</i>) in remnant vegetation"
Steve Debrincat	"Seasonal changes in anti-oxidants in Southern hairy-nosed wombats"
Alice Dunbar	"Sexual dimorphism and flank spot displays in Diamond Firetail Finch"
Michael Geen	"Thermoregulatory significance of colour in reptiles"
Victoria Marshall	"Multiscale distribution patterns of the Southern hairy-nosed wombat
	(Lasiorhinus latifrons)"
Jennifer Munro	"Sexual dimorphism and habitat requirements of the endemic SA scorpion
	(Urodacus elongates) "
Sarah Ormond	"A 34-year time series analysis of avifaunal assemblages in Adelaide's urban
	Parklands, SA"
Monika Szokalski	"An observational study investigating the impact of different husbandry
	and housing practices on the behaviour of Sumatran tigers (Panthera tigris
	<i>sumatrae</i>) at two Australian zoos"
Hayley Tindle	"An investigation of the behaviour of Cheetahs (Acinonyx jubatus) during a
	supervised human-animal interaction (experience at Monarto Zoo), and its
	impact on conservation attitudes in humans"

Completed masters student

Clare Death	"Moxidectin trials: toward a treatment for sarcoptic mange in the Southern
	hairy-nosed wombat"



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Commencing PhD students

Rachel Correll	"Predictors of body size in extant and extinct macropods"
Mike Geen	"Evolution of polychromatism in Death adders"
Elissa Pearson	"An exploration of zoo visitors' Orang-utan related knowledge, attitudes, and
	conservation behaviours following a visit to an Orang-utan exhibit"
Julie Riordan	"Behavioural ecology of Black-faced cormorants"
Monika Szowalski	"Training of captive tigers: enriching for the animals, visitors, and keepers?"

Continuing PhD students

Joanne Davis	"Control and psychological wellbeing: an investigation of the concept of choic
	in captive primates"
Amanda Gaskell	"Assessing the effectiveness of non-lethal methods of controlling pest parrot
	species in Australia"
Joshua Griffiths	"Reintroduction biology of the greater bilby in SA"
Leah Kemp	"Reintroduction biology of mainland Tammar wallabies in SA"
Joanne Lee	"Effect of mining exploration tracks on terrestrial animal populations and
	dispersal"
Angela McGuire	"Do Mallee whipbirds have individually recognisable calls?"
Liberty Olds	"Rodents and dasyurids of the Kimberley area, WA"
Elissa Pearson	"Changing human attitudes and behaviour in order to help save Orang-utans"
Sally Potter	"Phylogeography of rock wallabies in the Kimberley area, WA"
Laura Ruykys	"Ecology of Warru (Black-footed rock-wallaby) in the Anangu Pitjantjatjara
	Yankunytjatjara (APY) Lands"
Bradley Smith	"Investigating the cognition of the Dingo (Canis lupus dingo)"
Elisa Sparrow	"Effects of long-term isolation and habitat fragmentation on wombat
	populations in SA"
Natasha Spate	"Renal failure in koalas in the Adelaide Hills: the significance of oxylate
	necrosis"



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Veterinary Conservation Programs Introduction

The last year in the Animal Health Department has been busy and exciting as we forge forward supporting field conservation projects and providing clinical services to both Zoos.

In addition, we were successful in the tender to provide veterinary services to Cleland Wildlife Park and we also provide services to Nature Education Centre, Seabird rescue, SA Bat rescue, UniSA and Gorge Wildlife Park, support the SA Department of Environment and Heritage (DEH) and Australian Wildlife Conservancy (AWC) and provide a service to the local community by continuing to see wildlife cases brought into the Zoos by members of the public.

It is always a great honour to welcome visitors to the Animal Health Department. This year Dr Roy Bengis, Chief State Veterinarian for Kruger National Park, Sth Africa, visited us and gave a presentation at Adelaide Zoo on disease issues in the park. Professor Gail Anderson, Head of Adelaide University School of Veterinary Science, Rachel Norris, Senior lecturer and Emma Rowe, Curriculum Advisor also visited Zoos SA. Dr Chris Bunn, Wildlife Manager for DAFF in Canberra and Professor Roger Byard, Forensic pathologist for SA and NT, also visited. We could not do our work without the help of so many friends, Volunteers and supporters. Special thanks go to Brian Rich, Peter McCarthy, Wayne Rohrig and Brian Matthews, all Volunteers, who have continued to provide high quality diagnostic support and nutritional advice to the Animal Health team and to all the external specialists and service providers who have helped us over the past 12 months.

In particular we thank Dr David Clarke, veterinary dentist, Dr Warren Foreman, veterinarian from the Adelaide Animal Hospital, Dr Pam Carroll, diagnostic imager, Dr Andrew Loose, equine specialist, Dr Ian Beveridge from Melbourne University Veterinary School, Prof Tim Mahoney from the University of Queensland, Dr Penny Tisdall from the Adelaide Veterinary Specialist and Referral Centre, physicians Drs Randall Faul, Andrew Lee, Jonathan Martin and John Nyirios, John Finnie, Ruth Reuter, Phil Clark and Christine Williams and Gribbles and IDEXX labs.



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Staff

This year we heard the patter of tiny feet. Donna Hearn gave birth to a baby girl last October and in May this year, David McLelland's wife Jenny also gave birth to a girl. All are doing well.

Last year we also welcomed experienced wildlife veterinary nurse Lynette Drabsch who started work at Adelaide Zoo to cover for Donna Hearn who is on maternity leave.

Lynley Johnson has been accepted on to the external masters course in Conservation Medicine based at Murdoch University in WA and Ian Smith successfully passed the Australasian College of Veterinary Scientists' membership examination in the Medicine of Australian Wildlife. Paula Modra is undertaking a diploma in captive vertebrate management.

Ian also received a Winston Churchill Memorial Trust Fellowship to study the veterinary facilities at open range zoos in South Africa, USA, UAE and Europe and to undertake a field anaesthesia course in South Africa. He will take up the fellowship early in 2010.

Staff continue to give presentations, attend conferences and participate in professional organisations. Wayne Boardman co-presented a workshop on Conservation Medicine at the CBSG workshop in Adelaide and was co-author with Drs Clark and Raidal on a new veterinary textbook entitled the Atlas of Clinical Avian Hematology which was published in May. Staff attended and presented at the Wildlife Disease Association (WDA) conference in Kioloa, NSW, the Wildlife Pathology conference in Sydney, the Veterinary Nurses Conference in Melbourne and organised a pathology night with staff from IMVS to review cases.

David McLelland is treasurer/secretary for the Australian College of Veterinary Scientists Chapter in Zoo and Wildlife Medicine and Wayne Boardman continues to be council member of the WDA, chairman of the ARAZPA Veterinary specialist advisory group and member of the DAFF-organised Universities Focus Group and Zoo Industries Group on Wildlife Health. Sue Bigwood is SA representative for the Australian Wildlife Health Network

Wayne Boardman, along with Gert Skipper and Jason Hakof, visited Bifengxia Panda base near Ya'an in China, the site of the Giant Panda breeding complex to discuss planning and management issues prior to the October arrival of the Giant Pandas.

With the development of the improved Zoos SA website, veterinary staff are producing a blog on wildlife health issues and taking part in ZooTubes and the Channel 10 program Totally Wild.

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Conservation

Much time this year was spent developing a strategic plan for the Animal Health Department with the aim of increasing the support for conservation medicine, health monitoring and disease investigation and a scoping document to improve facilities.

David Schultz continues to work one day per week as project veterinarian with special interest in the Brush-tailed rock wallaby recovery program and Sue Bigwood continues to organise SA wildlife health network meetings to update stakeholders in wildlife disease issues in the state.

Ian Smith ran a course for DEH staff in post mortem techniques at Innes National Park and provided veterinary support for DEH on a cutting-edge project to look at the impact of fishing exclusion zones on the newly declared maritime parks off Kangaroo Island. Western blue groupers and Blue-throated wrasse were surgically implanted with transponders under anaesthesia. David McLelland was the field veterinarian who investigated the health of the reintroduced Brush-tailed bettongs at Venus Bay in western SA. Further trips will take place in spring and summer. David and Ian both took part in another DEH-led field trip to the APY lands in north-west SA to trap Warru, obtain Warru for cross-fostering at Monarto Zoo and to undertake health checks on the population.

Wayne Boardman was the consultant veterinarian working with Dr Mark Lethbridge from Flinders University and DEC from WA to anaesthetise dromedary camels in the Gibson Desert from a helicopter in order to attach satellite tracking collars. A new anaesthetic regime was successfully trialled. The aim is to find out more about the ecology of this introduced species in order to determine suitable control measures.

Wayne Boardman, Ian Smith and Paula Modra were asked to undertake health checks on over 300 Bridle-nail tailed wallabies at the Australian Wildlife Conservancy sanctuary at Scotia destined to be released into Stage 2 of the sanctuary and Wayne continues to work with Jasmin Packer, PhD candidate, to monitor the health of the Southern brown bandicoot in the Adelaide Hills in order to ascertain the most suitable habitat for this iconic species.



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Teaching and Training

Training and teaching veterinary students has always been high on our agenda and again we have had the privilege of clinical students visiting from the following universities: Melbourne, Sydney, Queensland, Murdoch and Massey.

One very significant and exciting development has been the opening of the new Adelaide University School of Veterinary Science where amongst other things the fully integrated course will feature wildlife health and disease, environmental issues and conservation medicine. Wayne Boardman is presently on the Curriculum Committee and the first year veterinary students participated in a nine-week Perspectives in Animal Science course on basic handling and management of native wildlife run by David McLelland.

Selected veterinary nursing students from TAFE Gilles Plains now rotate through the Animal Health Centre at Adelaide Zoo. This too has been a great success. We continue to supervise research students who are involved in wildlife projects. Steven Debrincat, an honours student from the Melbourne University Vet School completed his research project on the health of Southern hairy-nosed wombats and Clare Death completed her masters project on the pharmacology of drugs to treat mange in Southern hairy-nosed wombats. Shilpa Kudekar, honours student from UniSA, is finalising her thesis on the haematology of wallabies and Michelle Chen from Flinders University is close to finishing her project on staphylococcus aureus surveillance in Children's Zoo animals and wild wallabies. Tasha Speight continues to research oxalate nephrosis disease of koalas in the Adelaide hills for her PhD.



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Facilities, Equipment and Clinical Activities:

Plans are afoot to refurbish Adelaide Zoo's Animal Health Centre as we begin to outgrow the building and laboratory space and need an improved post mortem facility. We are working towards plans for a new veterinary facility at Monarto Zoo to cater for the increasing workload.

In the meantime we have nearly completed a minor refurbishment of the Monarto Zoo animal health facility which allows more than one person to have office space.

Thanks to very generous support from Agfa and in particular Earl Cox of Total Medical Imaging Solutions we now have state-of-the-art digital x-ray processing at both Adelaide and Monarto. The improvement in diagnostics is immeasurable and we are very grateful for this equipment.

We have some really interesting clinical cases over the last year in both Zoos but the outcomes were not always as we had hoped. Sadly our favourite, Pusung, did not make it. Initially he developed an unusual constipation which did not respond to a variety of laxatives and other treatments. Endoscopic examination by Dr Jonathan Martin diagnosed a proctitis and colitis which initially responded to prednisolone. However he developed a pneumonia and air sacculitis which did not respond to treatment. One of our other Orang-utans, Kluet fell from the large tower in his enclosure and sustained a fractured radius and ulna. The fractures were plated with the help of Dr Warren Foreman, veterinarian from the Adelaide Animal Hospital. Unfortunately a sinus tract infection developed and under anaesthesia a piece of infected bone was removed. Antibiotic treatment continued for six weeks until we felt the infection had cleared.

At Monarto, one of our male lions Leroy gradually became inappetant and despite intensive examinations during three anaesthetics, he died. Post mortem examination revealed a most unusual and inoperable laceration of the oesophagus just caudal to the heart. Back at Adelaide, the male lion Mujambi had a series of epileptic fits which are now being controlled with long-term anti-epileptic drugs.

We lost Eli the Syrian brown bear, who was euthanased due to age-related severe arthritis, and two Australian sealions, one with septicaemia and another with haemorrhagic enteritis. We were very fortunate after very intensive care to save our elderly Greater Flamingo which was attacked by children visiting the Zoo.



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One of our Malayan tapirs was found dead with a torsion of the intestinal tract and the rest of the group suffered from regular bouts of an as yet undiagnosed ulcerative disease of the mouth, proboscis and feet.

Regular health checks were performed on Tammar, Yellowfooted, Brush-tailed and Black-flanked wallabies as part of the surrogacy and cross-fostering projects to manage dental disease in particular and one of our insurance population Tasmanian devils developed hypothyroidism.

Unprecedented temperatures in January and February resulted in the death of several animals due to heat stress. A variety of measures and extreme vigilance prevented further deaths.

STAFF AS AT 30 JUNE 2009

Wayne Boardman, B.Vet.Med, MRCVS, MACVSc. (Avian Health and Medicine of Head of Veterinary Conservation Programs Zoo Animals) Project Veterinarian (P/T) – Adelaide Zoo David Schultz, BVSc Veterinarian – Adelaide Zoo (P/T) Sue Bigwood, BVSc Veterinarian - Monarto Zoo Ian Smith, BVSc, MSc (Wild Animal Health), MACVSc (Medicine of Australian wildlife) Veterinarian – Adelaide Zoo Lynley Johnson, BVSc (Hons), BAnSc David McLelland, BVSc, BSc, DVSc, MACVSc (Medicine of Zoo Animals) Veterinarian Dianne Hakof, Vet Nurse Cert, Zoo Keeping Cert Head Veterinary Nurse (P/T) Veterinary Nurse – Adelaide Zoo Paula Modra, Vet Nurse Cert Veterinary Nurse (P/T) – Adelaide Zoo Lynette Drabsch, Vet Nurse Cert Veterinary Nurse (P/T) – Adelaide Zoo Rebecca Probert, Vet Nurse Cert Veterinary Nurse (P/T) – Monarto Zoo Mishelle Pederson, Vet Nurse Cert Veterinary Nurse (M/Leave) - Monarto Zoo Donna Hearn, Vet Nurse Cert

11 staff: 4.4 FTE Vets over two properties and 4.6 FTE Vet nurses over two properties

Veterinarians helped in the transfer of several species including Chimpanzees, White rhinos, Giraffe and Cheetah and Dr David Clarke, specialist veterinary dentist, treated several animals that needed root canal work.

We continue to do work for Seabird Rescue and have been involved in the treatment of several pinnipeds and removed hardware from a variety of birds and reptiles.

Finally, we are gearing up for the impending arrival of the Giant Pandas by gathering information, learning from others and visiting facilities that have these charismatic species. 2009-2010 promises to be a really exciting year!

NB: P/T = part time M/leave = maternity leave

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Adelaide Zoo's New Entrance and Public Forecourts

It is rare that any developed land within Adelaide's CBD would be returned to open public space. However, Adelaide Zoo has done just that by committing over 2000 square metres of Zoo land to the SA community. This initiative will not only improve the aesthetics of Frome Road but importantly provide safety, security and pedestrian access improvements for Botanic Park and the new Zoo Entrance. The concept for the design of the Entrance Gateway focuses upon creating a natural transition and connection between Frome Road and Plane Tree Drive, Botanic Park and First Creek, as well as the creation of a unique entry to the Adelaide Zoo. The repositioning of the Entrance precinct will provide a more coherent relationship with Frome Road and reduce conflict between pedestrians and motor vehicles through providing an active, visually stimulating space where visitors are connected with the wider Botanic Park Precinct.





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The Gateway comprises two new buildings and landscaped forecourts, all of which can be accessed without entering the Zoo and payment of an admission fee. These forecourts are located outside, but wholly within the Zoo's boundary, enabling queuing areas and public gatherings to occur and providing access for the public to a range of facilities and services including a retail shop, café and conservation exhibition centre.

The design will see the return of about 2000 square metres of land formerly located within the Zoo to public use, of which approximately half will be publically accessible at all times.

The design has two linked public forecourts interwoven between both the built and landscaped environments. The design provides linkages to Botanic Park and the River Torrens and seeks to remove the distinction between the land owned by DEH, Zoos SA and Adelaide Botanic Gardens. As a result, people will experience the natural Parkland setting and will easily move between places. The forecourts will improve pedestrian and cyclist access and allow a better integration with the surrounding Parkland networks and transport corridors. Both passive and active surveillance such as lighting and CCTV will be employed, creating safe and active places for people. This unique proposal by Adelaide Zoo aims to create a public space that communicates the aspirations of the Adelaide Zoo with regards to conservation and sustainability. The Entrance Gateway forecourts will create a better place for local, interstate and international visitors to enjoy.

The planned facelift will end the operational use of the Zoo's heritage-listed front entry. The gate which has had an important role for almost 130 years will be decommissioned but will be preserved as an important record of the Zoo's history.



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The upgrade will modernise the Zoo and prepare it for the arrival of our two Giant Pandas, Wang Wang and Funi, from China in October 2009.

The Pandas, which are coming to Australia to breed as part of a global survival program, will be housed in two best practice exhibits that will simulate their natural habitat.

The Giant Panda Forest design aims to integrate all the Zoo's requirements into a compelling exhibit, incorporating best practice husbandry and a unique visitor experience that integrates well with the existing Zoo and the new Gateway Entrance facilities.

The Giant Panda Forest provides both an immersive experience in the Giant Pandas highlands forest habitat and an integrated storyline of Giant Panda conservation and research efforts. It also links into the sanctuary at Wolong – Wang Wang and Funi's birthplace. Over 5000 trees and shrubs have been selected to recreate the forest habitat.



The first exhibit encountered is a rocky stream with Mandarin Ducks. Around the corner, through a bamboo glade, is the first of two exhibits for our Red Pandas. This species has been maintained successfully at the Zoo for many years, but these new enclosures will provide arboreal climbing opportunities not possible in their former traditional exhibit. Subterranean nest boxes with CCTV and air-conditioned holding facilities have all been included in the new design.

The first Giant Panda enclosure is set on a rocky hillside with rich vegetation including Chinese elms and conifers. The large existing Fig Tree provides a magnificent borrowed view and mature backdrop. This exhibit has been designed for the female Panda and includes streams, chilled rocks and fallen trees for climbing.

The indoor rooms are located to the south of this exhibit, with the holding facilities, cubbing dens, food storage, bamboo coolroom and Keeper facilities tucked in behind and accessible from the Zoo's perimeter service road. A covered viewing area is also the interpretation node for the exhibit, providing close encounters with the Giant Pandas in both the indoor and outdoor exhibits. This space can also be used for functions.

The second outdoor exhibit is also located on a ridgeline, separating the exhibit from the new entrance precinct behind. The exhibit contrasts with the first enclosure with a broad woodland planting theme. Construction of this exciting project is due to be completed in early October.



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As well as the daily maintenance required to keep both sites safe and running, projects and upgrades have also kept the teams at Adelaide and Monarto busy over the last twelve months. A revised waste management system has been introduced and ways of saving water and electricity are being explored and implemented at both sites.

Adelaide

Adelaide has seen major works taking place with the new perimeter fence, Entrance Gateway and Giant Panda exhibit. Due to a great deal of planning and cooperation between the Zoo and the contractors the whole project is on schedule and going to plan.

Repairs and improvements are being carried out to the boardwalks and pathways in preparation for the extra visitors we are expecting when the Panda exhibit opens.

The old brown bear exhibit has been converted to house lemurs with a heated shelter being built within. An outdoor shelter has also been built for the Brazilian tapir.

An improvement to the drainage for the Barbary sheep, Reptile House and Hippos has reduced the amount of standing water in that area, improving the overall condition of the exhibits.

Monarto

The Chimpanzee exhibit opened in July 09, allowing visitors the chance to see the Chimpanzees in their night quarters and the fantastic 3000 square metre enclosure.

Major upgrades have taken place for the White rhinos, opening up the area and making it easier to view the animals.

New yards are being built for the Zebra, Warru and Giraffe and four enclosures have been built for the Pygmy blue tongue lizard research project.

A group of eight yards have been built in the off limits area, to manage the stock, and extra shade structures have also been installed in the off limits area.



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Conservation Education

During the 2008-2009 financial year 63,412 students and their supervisors used Zoos SA Education at the two Zoos. Activities undertaken by these students included regular daytime and overnight Education programs, Zoomobile presentations, hands-on conservation activities, negotiated lessons, career days, school holiday programs, work experience placements, and teacher training.

As well as these programs, many students visited the sites under their own direction, but with support from Education in arranging a suitable experience and providing relevant resources.

Both sites were also involved in "Centra" online events, where students from over a dozen rural and remote schools were able to simultaneously link with Zoo staff to ask questions and to take part in online activities. Mark Taylor, from DECS, organised all the IT links and created a "moodle" site for students in participating classes to explore, play and learn more, before and after the events.

The International Zoo Educators Biennial Conference was held in Adelaide in October 2008. This gathering of 86 zoo educators from 26 countries (on six continents and three islands) was held in conjunction with the World Association of Zoos and Aquaria (WAZA) Conference. It was a fantastic opportunity for Zoos SA educators to meet and share ideas with educators from vastly different countries and economic systems, but all with a passionate concern for conservation and a talent for, and a love of, teaching others.

As well as presentations of papers, the group was involved in visiting both Zoos and seeing the way the sites are used to provide Conservation Education. Associated social activities enabled many meaningful friendships to be established.

John Gardner, from Zoos SA Education, was the Australasian representative of the IZE for the previous four years. His tireless effort and attention to detail in the conference planning was largely responsible for the conference's smooth running and excellent program.

In April 2009 the Westpac Envirodome was opened at Adelaide Zoo. Major sponsorships from DECS and Westpac made this facility possible. This amazing building, built within the skeleton of the old Ape block, is the new home for Adelaide Zoo's Education programs, the Society Library and the Zoos SA Interpretation team.



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It also houses the Discovery Zone, in the old Orang-utan enclosure, which is a wonderful interactive exhibition of animals and displays; it teaches visitors about environmental issues and the choices people can make to have a positive impact on the planet. Michael Shanahan, who is the Interpretation Manager, is the key figure behind the planning, construction and maintenance of this popular facility.

The former Chimpanzee enclosure is now wonderfully equipped for old and new school-focussed programs. The classrooms are exciting areas, with live animals as well as amazing biofacts. The inclusion of toilets, kitchen, a sheltered eating area in the courtyard, and a campsite on the roof have made day and overnight education programs much safer and better serviced. The tents have also enabled us to offer overnight programs to secondary students for the first time. These programs are proving very popular and awe-inspiring for the participants. Monarto Education has seen considerable growth in student numbers for all programs during the last year. A dedicated Education ute has helped with organisation of the many hands-on conservation activities undertaken by groups. What is desperately needed now, though, is a facility to provide an indoor Education area as well as office and storage space and toilets for student groups. This would enable successful programming in all weather conditions and would expand the program offerings available. Options for achieving this are currently being investigated.

The Education team at Zoos SA is greatly indebted to other Zoo staff, particularly Keepers, and Volunteers for making many of our education programs possible. Most staff and Volunteers believe that supporting Conservation Education on our sites is an effective way of connecting young people to the natural world, thus providing a better environmental outlook for the future.



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Library

2009 has been a momentous year for the Society's Library, located at Adelaide Zoo. After 41 years it was moved from Minchin House to its new location in the Westpac Envirodome.

The Library had its inception in Minchin House, then known as the Director's House. The building had been home to three generations of Minchins, the family that gave the Zoo its first three directors. In 1966 the Society had approached the Education Department with an offer to use the Zoo to teach biology and science classes. The offer was accepted and the Adelaide Zoo Education Service started.

The classroom was located in an upstairs room and teaching resources were collected in a large built-in bookcase. When the Education Service moved to the portable unit that has been its home for 41 years, the collection remained in what became known as The Library.

The entire library collection was moved to its new premises in one day, on Tuesday 31 March 2009, thanks to the help of the Jobs Statewide Volunteers coordinated by Jeff Sharp. The move went so smoothly that the Library was operational fifteen minutes after the last book was shelved.

The new Library was designed by Kanako Nakanishi of Ecopolis Architects and furbished by Fry Library and School Supplies and Dexion Adelaide. Both the design, that allows for natural light to flood the room, and furniture were much admired by the ALIA Special Libraries SA group who celebrated Special Librarian Day with a visit on 28 May.

It is the goal of the Library to offer a place to read study and work to all staff and Volunteers.

Interpretation

The past year has seen huge leaps forward for the interpretation department, with many new projects underway, the completion of several major projects and an expansion of our team.

Westpac Envirodome

The Westpac Envirodome Discovery Centre has been a major success for us, thanks to fantastic support from Martins Integrated, Megafun, AV Central, Natureworks and our Volunteers. We have had excellent feedback and the centre is always busy. It's fantastic for Adelaide Zoo to now have such a modern interactive education facility.

Monarto Signage

The new signage system at Monarto Zoo has now been rolled out to almost the entire site. It's our plan to complete this rollout this year, as well as introduce some new interactive elements to the interpretation at Monarto, including an audio tour for the walking tracks.

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Website

New websites for Zoos SA, Adelaide Zoo, Monarto Zoo, The Westpac Envirodome, The Frog Atlas and Conservation Ark have all been completed this year. This has increased our online presence significantly, with a 300% increase in online visitors since the new sites were launched in December 2008. A very popular and effective addition to our online activity has been our ZooTube project. We have produced 42 videos since the project started and have received nearly 100,000 views of our videos.

Keeper talks and presentations

With the recruitment of Nickolas Bishop we have now begun to put more focus on to our Keeper talks and presentations. We see this as a top level interpretive element for both Zoos and plan to put a major effort into improving the infrastructure to support our presentations over the next year.

New Adelaide Zoo signage suite

We have been working on designing a new signage and wayfinding system for Adelaide Zoo, which will begin to be rolled out as part of the new front entrance and Panda projects. The current signage system has served us well for the last 15 years but we all feel that the time has come to update our signage to be more compatible with our new corporate image and modern production techniques. The new signage system will include digital signage and audio tours for both Zoos.

Panda interpretation

Designs for the Giant Panda interpretation have been completed this year and we have begun production. The interpretation will include many interactive elements as well as a children's story, sculptural elements, ancient Chinese poetry and two dedicated websites for our Giant Pandas.

Conservation Centre

This year we have begun work on designing the first exhibition for our new Conservation Centre. We have decided to begin with an exhibition about zoos past, present and future. The conservation centre will also be a fantastic venue for the promotion of all things "green".

It has been very exciting and busy year for Zoos SA and the interpretation team, with much more yet to come!



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Status of Animal Collections

This document was initially prepared as a monthly reporting document in 2007 from the Collection Development Team to the Board of the Society. However, as the document evolved, it became apparent that changes to the Adelaide and Monarto Zoo collections would not be apparent over such a short period of time, and that it may be more valuable for site and master planning purposes. Displaying the collection under a number of different categories, this report highlights how the collection is progressing towards desired aspects of collection management. This report is provided annually to track the progress of the animal collection.

As the human population grows and impacts at an increasing rate on plant and animal species across the globe, zoos and aquaria are becoming critical for the survival of many species, and an integral part of in situ conservation programs for many others. While individual animal collections are often too small to be of much value to long-term conservation, co-operative international and/or regional ex situ breeding programs form large, viable populations that can make a difference.

Aside from contributing to the conservation of a species, these ex situ programs also provide animals for public educational and/or exhibit opportunities; provide research collections from which to gain basic knowledge of animal biology and husbandry; and provide fundraising material.

Furthermore, if managed correctly, there is the potential to provide demographic and genetic insurance populations.

Adelaide Zoo and Monarto Zoo, as members of the Australasian Regional Association of Zoological Parks and Aquaria (ARAZPA), are committed to co-operatively managing their animal collections in order to promote sustainability and to contribute towards species conservation.

Following The World Zoo Conservation Strategy, there are two considerations that are important in the process of choosing species for ex situ management within Australasian zoos:

- 1. What species will best serve the broad-based conservation goals of ARAZPA zoos?
- 2. What are the capabilities and strength of ARAZPA zoos in regard to their knowledge, experience and resources?



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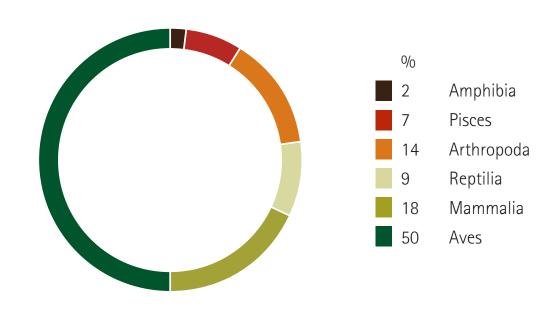
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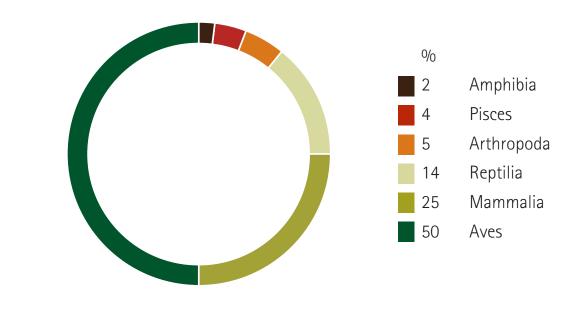
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Current vs Planned – Adelaide Zoo

Current specimen numbers (total = 1977, from Adelaide Zoo ARKS4 database) (2008 total = 1847)

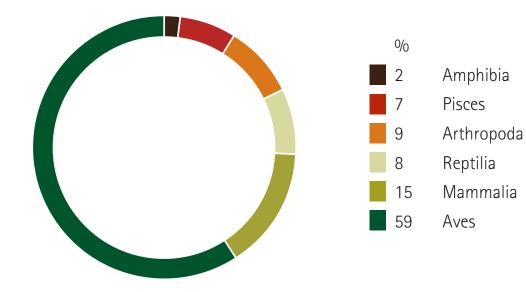


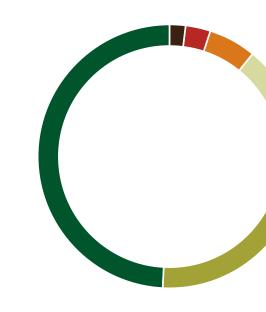
Current species numbers (total = 278; from Adelaide Zoo ARKS4 database) (2008 total = 296) *Diversity index (average # species/family) = 2.38*



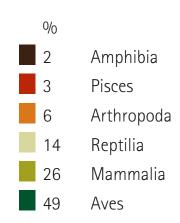
Planned specimen numbers (total = 2498, from 2009 Online Regional Census and Plan) (2008 total = 2103)

Planned species numbers (total = 299; from 2009 Online Regional Census and Plan) (2008 total = 294) Diversity index (average # species/family) = 2.25









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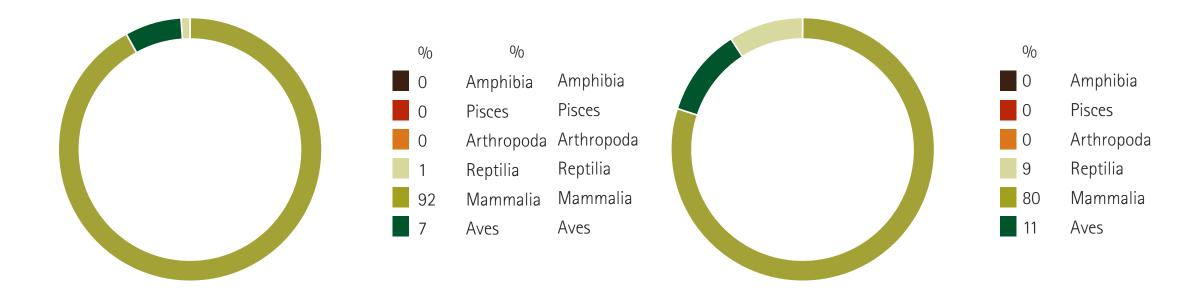
Finals

SOUTH AUSTRALIA

Current vs Planned – Monarto Zoo

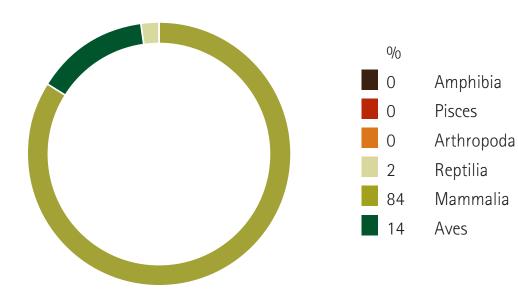
Current specimen numbers (total = 492, from Monarto Zoo ARKS database) (2008 total = 513)

Current species numbers (total = 46, from Monarto Zoo ARKS database) (2008 total = 45)Diversity index (average # species/family) = 1.84

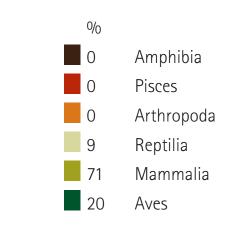


Planned specimen numbers (total = 869, from 2009 Online Regional Census and Plan) (2008 total = 716)

Planned species numbers (total = 66, from 2009 Online Regional Census and Plan) (2008 total = 65) Diversity index (average # species/family) = 1.69







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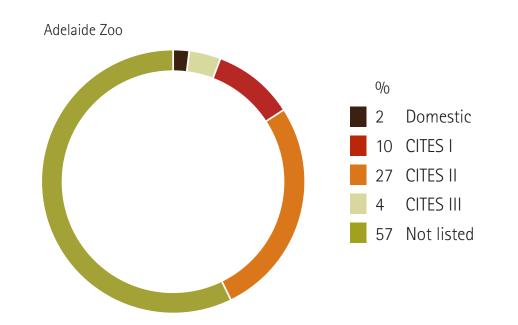
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SOUTH AUSTRALIA

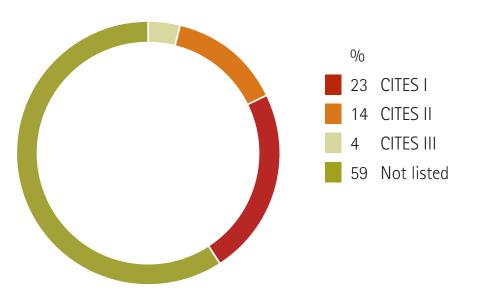
Collection Composition

CITES Listed Species

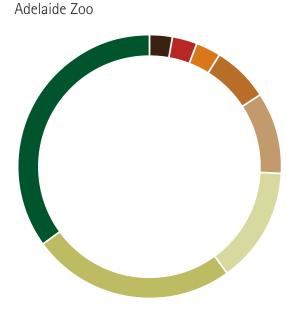
Currently, there are approximately 5000 species of animals and more than 28,000 species of plants protected by CITES (Convention on International Trade in Endangered Species of Wild Fauna and Flora). These species are listed in one of three CITES Appendices, according to how threatened they are by international trade, CITES I being most threatened.



Monarto Zoo



Animals listed under CITES Appendix I are those species threatened by extinction. The trade in specimens of these species is permitted only in exceptional circumstances. These restrictions have implications for the maintenance of CITES I species in the Zoo collection, 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 a Department of Environment and Water Resources approved Co-operative Conservation Program (CCP). Adelaide Zoo currently houses 28 species of CITES I listed animal across eight of the taxonomically segregated groups, while Monarto Zoo maintains 10 CITES I species (Appendix 1).



(not listed in Aquatic, Bats & Rats, Invertebrate, Marine Mammal, Passerines, PNG Fauna & none/domestic).

Monarto Zoo



(not listed in Bats & Rats or Primates).

⁰⁄₀	
3	Artiodactyls
3	Periss. & Prob
3	Misc. Mammal
7	Monotreme & Marsupial
10	Reptile & Amphibian
14	Carnivore
25	Non-passerine
35	Primate

0⁄0	
20	Artiodactyl
30	Periss. & Prob
20	Monotreme & Marsupial
10	Reptile & Amphibian
10	Carnivore
10	Non-passerine

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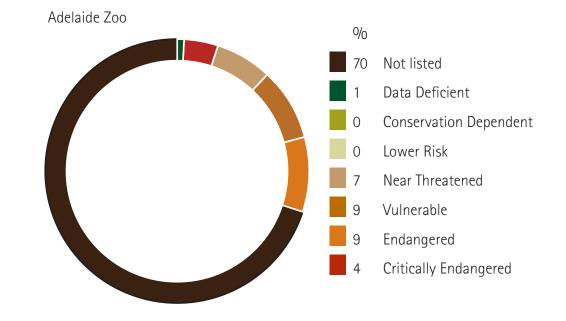
Finals

SOUTH AUSTRALIA

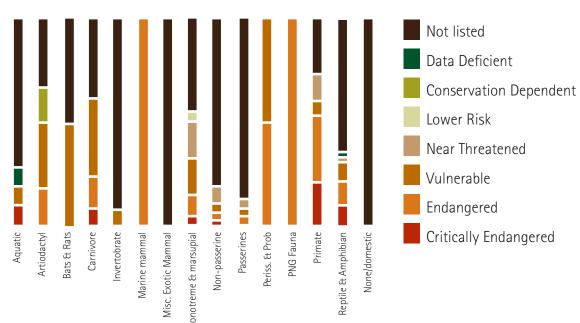


The World Conservation Union, previously the International Union for the Conservation of Nature and Natural Resources, has been assessing the conservation status of species, subspecies, varieties and selected subpopulations on a global scale for more than 40 years. The categories and criteria are intended to be an easily and widely understood system for classifying species at a high risk of extinction. Subsequently, by highlighting these extinction threats, the IUCN hopes to promote their conservation. The IUCN Red List was updated in 2008, with many species changing in their classification. Unfortunately, more were granted a more threatened status than previously. Refer to Appendix 2 for Zoos SA species of greatest concern under the IUCN categorisation.

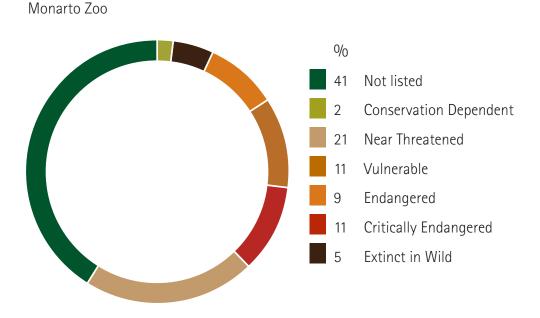
IUCN listed species are represented throughout most of the taxonomic groups held at Adelaide and Monarto Zoos. While the graph below indicates the categories of IUCN listings throughout each of these groups (as determined by the ASMP Taxon Advisory Groups), it does not give a true representation of numbers within each group, but of a percentage within each group.



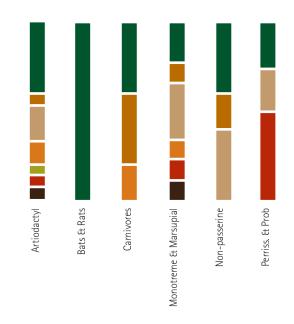
Adelaide Zoo



NB: The chart shows 'Lower Risk' and 'Conservation Dependant' at 0% - this is a result of rounding as there is a single species at this level



Monarto Zoo



N.B. The Mala Lagorchestes hirsutus hirsutus is classified as 'Extinct' by the IUCN, last assessed in 1996 (the species L hirsutus is listed as 'Vulnerable'.







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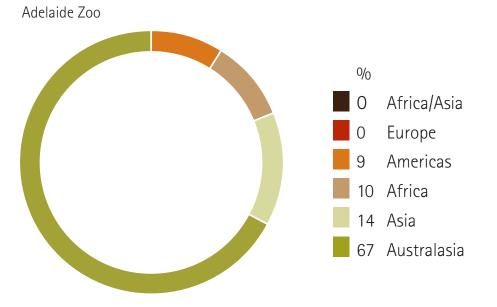
Graphical Representation (by Species)

Zoos SA exists to save animals from extinction. While both Adelaide and Monarto Zoos concentrate on fauna from the Australasian region, Adelaide Zoo has a secondary commitment to species from the Asian regions, while Monarto Zoo concentrates on species from Africa. The species diversity is further increased by displaying animal species from across the globe.

Number of species per TAG

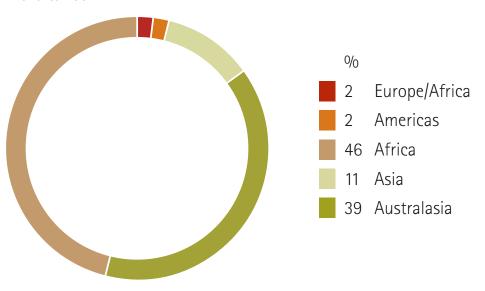
There are 15 TAGS within the auspices of the Australasian Species Management Program, with the New Zealand Fauna TAG being the only one not represented by the Zoos SA collection.

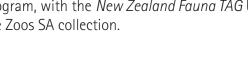
Adelaide Zoo



NB: The chart shows Africa/Asia and Europe at 0% - this is a factor of rounding as there is a single species from this region.

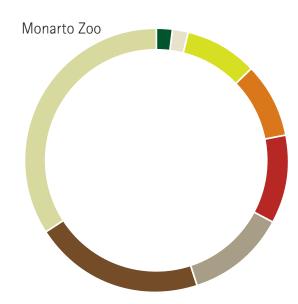








NB: The chart shows Marine Mammal at 0% - this is the result of rounding as there is a single species represented within each of these TAGS.



Captive Management Units

Every species currently held by an ARAZPA institution, or listed as a planned holding at an ARAZPA institution, is covered by a Taxon Advisory Group (TAG). The primary responsibility of each TAG is to consider the captive priorities for all species under the TAG, and to develop recommendations covering those species prioritised for captive management within the Australasian region.

0/0	
0	Marine Mammal
1	Bats & Rats
1	Misc. Exotic mammal
1	PNG Fauna
1	Periss. & Prob
2	Artiodactyl
4	Carnivore
4	Aquatic
5	Primate
6	Invertabrates
8	Monotreme & Marsupial
14	Passerine
15	Reptile & Amphibian
36	Non-passerine

0/0	
2	Bats and Rats
9	Periss. & Prob
34	Artiodactyl
12	Carnivore
2	Primates
21	Monotreme & Marsupial
9	Reptile & Amphibian
11	Non-passerine

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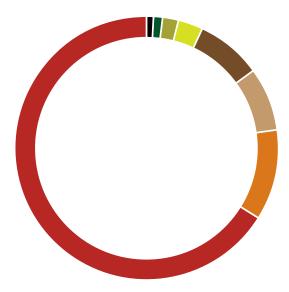
Management Level of Species

The ASMP management categories provide a framework for organising species management and planning at a regional level. These categories are designed to indicate the role or status of a taxon in the regional collection, whether regionally coordinated management is being applied, and if so at what intensity.

(1a indicates high intensity genetic and demographic management aimed at maximising gene diversity, minimising inbreeding and controlling reproductive rate (Appendix 3); 1b indicates low intensity genetic and demographic management aimed at minimising inbreeding and managing population size; 2 denotes group-level, lower-intensity management and is applied where specimen-level manipulation of mating choices is impractical; and 3 indicates that the census of current and planned holdings for the region is published in the annual Regional Census and Plan).

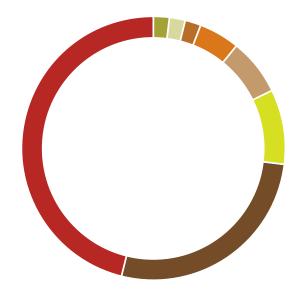
(CP - Conservation Program; PMP – Population Management Program; HR – Husbandry Research; NRP – No Regional Program; NE – Not Evaluated; PO – Phase Out).

Adelaide Zoo



NB: The chart shows 0% for 'PMP2' and 'CP3'- this is a result of rounding as there is a single species managed through ASMP at this level.

Monarto Zoo





0/0	
1	HR3
1	P01
2	P03
3	CP1a
0	CP3
8	PMP1a
8	PMP1b
0	PMP2
11	NE3
66	NRP3

⁰⁄₀	
9	CP1a
2	CP2
2	CP3
27	PMP1a
7	PMP1b
2	PMP2
5	NE3
46	NRP3

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Conservation Programs

The RZSSA defines conservation consistent with the WAZA definition of 2005: "Conservation is the securing of long-term populations of species in natural ecosystems and habitats wherever possible".

The RZSSA considers the delivery of its conservation objectives as one of the priorities of the organisation. In late 2008, to encompass its increasing range of conservation activities, the RZSSA developed Conservation Ark, its integrated science and conservation arm. The tables below outline significant conservation efforts currently undertaken at Adelaide and Monarto Zoos.

	Conservation Effort	Comments
Yellow-footed rock wallaby	Reintroduction and habitat management	Multi-organisational project ongoing for >10 years
Member of Recovery Team	Reintroduction and assisted reproductive technique	Member of Recovery Team
Brush-tailed rock wallaby	Reintroduction and assisted reproductive technique	Member of Recovery Team
Black-flanked rock wallaby	Assisted reproductive technique	Support of Monarto Zoo efforts
PNG Tree kangaroos	Financial support and staff training	Donation of computer hardware and software for records; staff training in both records and Keeping; financial support to second organisation
Greater bilby	Reintroduction, education and display	Financial support to Recovery Team
Regent honeyeater	Reintroduction	Multi-organisational project
Orange-bellied parrot	Reintroduction	Member of Recovery Team
Pygmy blue-tongue lizard	Education and display; permit to collect for captive breeding program	Member of Recovery Team
Western swamp tortoise	Education and display	Member of Recovery Team
Frogs	Financial support for in situ and ex situ programs; education	Supports Year of the Frog and Amphibian Ark activities
Sumatran tiger	Financial support for in situ programs ; education Regional captive program closely linked to European program as insurance population	Supports ARAZPA Tiger Campaign, 21st Century Tiger & FFI
Orang-utan	Financial support for in situ programs; education	Supports Australian Orang-utan Project
Malaysian sun bear	Financial support for in situ programs; education	Supports Save the Bears Fund Inc; species co-ordinator
Philippines conservation	Financial support and Keeper training	Supports FFI – Philippines
Chimpanzee	Financial support for in situ programs	Support Sierra Leone Chimp Census
	Conservation Effort	
Vionarto Zoo Species		Comments
	Reintroduction and habitat management	Comments Multi-organisational project ongoing for >10 years
fellow-footed rock wallaby		
Yellow-footed rock wallaby Black-flanked rock wallaby	Reintroduction and habitat management	Multi-organisational project ongoing for >10 years
Yellow-footed rock wallaby Black-flanked rock wallaby SA mainland Tammar wallaby	Reintroduction and habitat management Assisted reproductive technique	Multi-organisational project ongoing for >10 years In collaboration with SA DEH; member of Recovery Team
Yellow-footed rock wallaby Black-flanked rock wallaby GA mainland Tammar wallaby Brush-tail bettong	Reintroduction and habitat management Assisted reproductive technique Re-introduction and assisted reproductive technique	Multi-organisational project ongoing for >10 years In collaboration with SA DEH; member of Recovery Team In collaboration with SA DEH; member of Recovery Team; species co-ordinator
Yellow-footed rock wallaby Black-flanked rock wallaby BA mainland Tammar wallaby Brush-tail bettong Breater bilby	Reintroduction and habitat management Assisted reproductive technique Re-introduction and assisted reproductive technique Reintroduction	Multi-organisational project ongoing for >10 years In collaboration with SA DEH; member of Recovery Team In collaboration with SA DEH; member of Recovery Team; species co-ordinator In collaboration with SA DEH; species co-ordinator > 75 bilbies released to WILD; member of Recovery Team; financial support to Recovery
Yellow-footed rock wallaby Black-flanked rock wallaby GA mainland Tammar wallaby Brush-tail bettong Greater bilby Eastern barred bandicoot	Reintroduction and habitat management Assisted reproductive technique Re-introduction and assisted reproductive technique Reintroduction Reintroduction	 Multi-organisational project ongoing for >10 years In collaboration with SA DEH; member of Recovery Team In collaboration with SA DEH; member of Recovery Team; species co-ordinator In collaboration with SA DEH; species co-ordinator > 75 bilbies released to WILD; member of Recovery Team; financial support to Recovery Team; species co-ordinator
Yellow-footed rock wallaby Black-flanked rock wallaby SA mainland Tammar wallaby Brush-tail bettong Greater bilby Eastern barred bandicoot Fasmanian Devils	Reintroduction and habitat management Assisted reproductive technique Re-introduction and assisted reproductive technique Reintroduction Reintroduction Reintroduction Insurance population for Facial Tumor Disease (supported by	Multi-organisational project ongoing for >10 years In collaboration with SA DEH; member of Recovery Team In collaboration with SA DEH; member of Recovery Team; species co-ordinator In collaboration with SA DEH; species co-ordinator > 75 bilbies released to WILD; member of Recovery Team; financial support to Recovery Team; species co-ordinator In collaboration with VIC EBB Recovery Program
Monarto Zoo Species Yellow-footed rock wallaby Black-flanked rock wallaby 5A mainland Tammar wallaby Brush-tail bettong Greater bilby Eastern barred bandicoot Fasmanian Devils Cheetah African wild dog	 Reintroduction and habitat management Assisted reproductive technique Re-introduction and assisted reproductive technique Reintroduction Reintroduction Reintroduction Insurance population for Facial Tumor Disease (supported by Adelaide Zoo) 	Multi-organisational project ongoing for >10 years In collaboration with SA DEH; member of Recovery Team In collaboration with SA DEH; member of Recovery Team; species co-ordinator In collaboration with SA DEH; species co-ordinator > 75 bilbies released to WILD; member of Recovery Team; financial support to Recovery Team; species co-ordinator In collaboration with VIC EBB Recovery Program In collaboration with TAS DPIWE

Further information for many of these can be found at http://www.zoossa.com.au/conservation-ark

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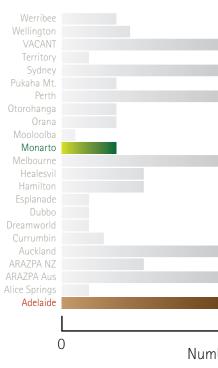


Animal records are an integral component for the management of the collection, and planning for the development of the collection. The graph below indicates Adelaide and Monarto Zoos' data quality in correlation with the ISIS global database, as of April 1, 2009. Both Adelaide and Monarto Zoo are in the ISIS Top 50 Champions of Data Quality.



ISIS Average

There are currently nine Keepers maintaining 12 studbooks at Zoos SA – this translates to ~17% of the animal Keeping staff. A further nine studbooks (an increase of one from 2008) managed by the Collection Development Team bring the total studbooks or species programs held through Zoos SA to 21 (Appendix 4). Adelaide and Monarto Zoos still show an enormous contribution to the managed programs of the Australasian region, with Adelaide Zoo's commitment being equal to those larger institutions of Taronga Conservation Society, Melbourne Zoological Gardens and Perth Zoo (17 positions each within ASMP programs).



('Vacant' indicates the number of developed studbooks that are currently without a nominated studbook Keeper).

Zoos SA staff also fill the roles of TAG Convenor (Australian Bats and Rats – Lindell Andrews), an ARAZPA Education Advisor (Ruth Hall) and an ARAZPA Animal Records Advisor (Jodi Buchecker).



30

Number of Studbooks

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ASMP Program Participation

Zoos SA has shown enormous commitment to the core business of our Zoos, species management. Kevin Evans is a member of the ASMP committee, the body that monitors and directs the activities of the ASMP. From January 1 2009, Lindell Andrews and Jodi Buchecker were appointed as Species Management Officers, with 0.5 of a position (shared between the two) dedicated to the ASMP for program management.

ASMP programs are managed for sustainability and conservation value. As program recommendations are based on sound science, secondary measures are used by ARAZPA to assess progress, the most important aspect being the extent to which program recommendations are implemented. With the previous year's figures included in parentheses for comparison, the table below clearly shows both Adelaide and Monarto Zoos' increased participation in ASMP programs.v

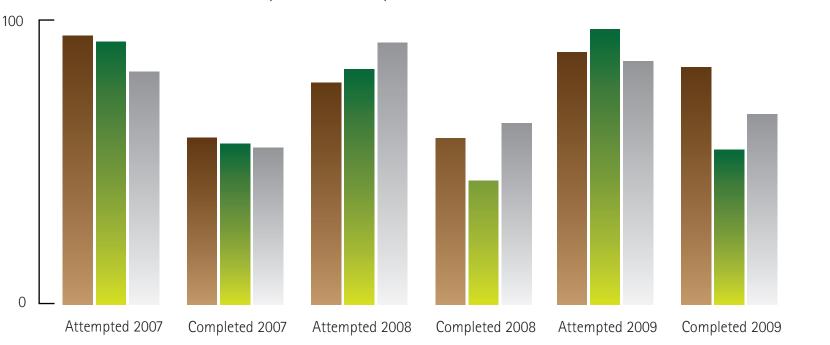
Zoos SA's engagement with the ASMP

Measure	Adelaide Zoo	Monarto Zoo	Regional Average
No. Programs	46 (32)	21 (15)	10 (7)
No. Recommendations	44 (67)	54 (53)	14 (12)
Timely Endorsement	98% (59%)	70% (68%)	76% (57%)

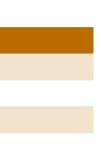
Implementation rates

In the graphs below, the "Recommendations Attempted" indicate the percentage of recommendations that were attempted, whether successful or not. "Recommendations Completed" indicate the percentage implemented successfully (data from ARAZPA). Breeding and transfer recommendations may not be successful for reasons beyond the control of individual zoos, and be regulatory, biological or expertise-related. These tend to vary considerably between taxa. Results have been shown for the past two years for comparison.

Recommendations Attempted and Completed









Monarto Zoo

National Average

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Animal Inventory

Appendix 1: CITES I species managed within Zoos SA collections (by Class, in alphabetical order by common name for easy reference).

Amphibia

Reptilia	
Fijian crested iguana	Brac
Madagascan tree boa	Sanz
Radiated tortoise	Geo
Western swamp tortoise	Pseu

Aves	
Golden-shouldered parrot	Psep
Hooded parrot	Psep
Hyacinth macaw	Anoc
Nicobar pigeon	Calo
Orange-bellied parrot	Neop
Ostrich	Strut
Palm cockatoo	Prob
Palm cockatoo	Prob
Razor-billed curassow	Crax
Scarlet macaw	Ara r

	Mammalia	
	Addax	Ad
	Black rhinoceros	Dic
	Black lion-tamarin	Lec
	Brush-tailed bettong	Bet
	Cheetah	Aci
	Chimpanzee	Par
	Cotton-top tamarin	Sag
	Golden lion-tamarin	Lec
	Greater bilby	Ма
	Lion-tailed macaque	Ма
	Malaysian sun bear	He
	Malayan tapir	Тар
	Mandrill	Ма
	Mesopotamian Fallow Deer	Da
	Nepalese Red Panda	Ailt
	Persian leopard	Par
	Przewalski's horse	Equ
	Ring-tailed lemur	Ler
	Siamang	Syr
	Sumatran Orang-utan	Por
	Sumatran tiger	Par
	White rhinoceros	Cer
	White-cheeked gibbon	No



- chylophus vitiensis
- nzinia madagascariensis
- ochelone radiata
- udemydura umbrina
- photus c. chrysopterygius
- photus chrysopterygius dissimilis
- odorhynchus hyacinthinus
- oenas nicobarica
- ophema chrysogaster
- uthio camelus
- bosciger aterrimus
- bosciger aterrimus aterrimus
- x mitu tuberose
- тасао
- ddax nasomaculatus
- ceros bicornis minor
- contopithecus rosalia chrysopygus
- ettongia penicillata ogilbyi
- cinonyx jubatus jubatus
- n troglodytes
- aguinus oedipus oedipus
- ontopithecus rosalia rosalia
- lacrotis lagotis sagitta
- lacaca silenus
- elarctos malayanus malayanus
- apirus indicus
- landrillus sphinx
- ama mesopotamica
- ilurus fulgens fulgens
- Inthera pardus saxicolor
- quus ferus przewalski
- mur catta
- mphalangus syndactylus
- ongo abelii
- anthera tigris sumatrae
- eratotherium simum simum
- omascus leucogenys

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Appendix 2: Species with Zoos SA collection listed in IUCN categories of most concern.

Extinct in Wild	
Mainland Tammar wallaby	Macropus euger
Scimitar oryx	Oryx dammah
Critically Endangered	
Addax	Addax nasomac
Black rhinoceros	Diceros bicornis
Brush-tailed bettong	Bettongia penic
Cotton-top tamarin	Saguinus oedipu
Przewalski's horse	Equus ferus prze
Sumatran Orang-utan	Pongo abelii
Sumatran tiger	Panthera tigris s
White-cheeked gibbon	Nomascus leuco
Orange-bellied parrot	Neophema chry
Aruba Island rattlesnake	Crotalus durissu
Fijian crested iguana	Brachylophus vi
Radiated tortoise	Geochelone rad

Murray cod

Axolotl

Western swamp tortoise



enii eugenii

culatus

s minor

cillate ogilbyi

ous oedipus

zewalski

sumatrae

ogenys

ysogaster

us unicolor

vitiensis

diata

Pseudemydura umbrina

Ambystoma mexicanum

Maccullochella peelii

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Appendix 3: Species within the Zoos SA collection managed at Level 1a by the ASMP (by Class, in alphabetical order by common name for easy reference).

Reptilia	
Broad-headed snake*	Hoploceph
Fijian crested iguana	Brachyloph
Veiled chameleon	Chamaelec
Western swamp tortoise	Pseudemyd
Aves	
Black-winged stilt*	Himantopu

Black-winged stilt*	Himanto
Double-wattled cassowary	Casuaris
Orange-bellied parrot	Neophen
Regent honeyeater	Anthoch

Addax	Addax nasomaculatus
Black lion-tamarin	Leontopithecus rosalia chrysopygus
Bongo	Tragelaphus eurycercus isaaci
Cheetah	Acinonyx jubatus jubatus
Chimpanzee	Pan troglodytes
Common hippopotamus	Hippopotamus amphibius
Cotton-top tamarin	Saguinus oedipus oedipus
Eastern barred bandicoot	Perameles gunnii
Eastern black-and-white colobus	Colobus guereza kikuyuensis
Giraffe	Giraffa camelopardalis
Giraffe	Giraffa camelopardalis rothschildi
Golden lion-tamarin	Leontopithecus rosalia rosalia
Goodfellow's tree kangaroo*	Dendrolagus goodfellowi
Greater bilby*	Macrotis lagotis sagitta
Hamadryas baboon	Papio hamadryas hamadryas
Lion	Panthera leo senegalensis/krugeri
Malaysian sun bear*	Helarctos malayanus malayanus
Mandrill	Mandrillus sphinx
Nepalese Red Panda	Ailurus fulgens fulgens
Oriental small-clawed otter*	Aonyx cinerea
Plains zebra	Equus burchelli
Przewalski's horse	Equus ferus przewalski
Pygmy marmoset	Callithrix pygmaea
Ring-tailed lemur	Lemur catta
Scimitar oryx	Oryx dammah
Serval	Leptailurus serval
Siamang	Symphalangus syndactylus
Sumatran Orang-utan	Pongo abelii
Sumatran tiger	Panthera tigris sumatrae
Tasmanian devil	Sarcophilus harrisii
White-cheeked gibbon	Nomascus leucogenys
White rhinoceros	Ceratotherium simum simum
Waterbuck	Kobus ellipsiprymnus ellipsiprymnus
Yellow-footed rock wallaby*	Petrogale xanthopus xanthopus

* species for which the Species Coordinator is an employee of Zoos SA



phalus bungaroides	
phus vitiensis	
leo calyptratus	
nydura umbrina	

ous himantopus leucocephalus

s casuaris johnsonii

ma chrysogaster

naera phhrygia

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Appendix 4: ASMP species studbooks managed by Zoos SA employees

Species		TAG	Employee	Position	Management Level
Reticulated gila monster	Heloderma suspectum suspectum	Reptile and Amphibian	Terry Morley	Studbook Keeper	1b
Broad-headed snake	Hoplocephalus bungaroides	Reptile and Amphibian	Lindell Andrews	Species Coordinator	1a
Eyelash viper	Bothriechis schlegelii	Reptile and Amphibian	Byron Manning	Species Contact	1a
Australian little penguin	Eudyptula minor novaehollandiae	Non-passerines	Trena Carney	Species Coordinator	1b
Black-winged stilt	Himantopus himantopus leucocepha- lus	Non-passeriens	Vaughan Wilson	Species Coordinator	1a
Eastern yellow robin	Eopsaltria australis	Passerines	Brett Backhouse	Studbook Keeper	1b
White-browed woodswallow	Artamus superciliosus	Passerines	Vaughan Wilson	Species Coordinator	1b
Regent bowerbird	Sericuluschrysocephalus	Passerines	John Ray	Studbook Keeper	1b
Satin bowerbird	Ptilonorhynchus violaceus	Passerines	John Ray	Studbook Keeper	1b
Tiger quoll	Dasyurus maculatus	Monotreme and Marsupial	Amanda Smith	Studbook Keeper	1b
Greater bilby	Macrotis lagotis sagitta	Monotreme and Marsupial	Jodi Buchecker	Species Coordinator	1a
Goodfellow's tree kangaroo	Dendrolagus goodfellowi	PNG Fauna	Gert Skipper	Species Coordinator	1a
Matchie's tree kangaroo	Dendrolagus matschiei	PNG Fauna	Gert Skipper	Species Coordinator	1a
Brush-tailed bettong	Bettongia penicillata ogilbyi	Monotreme and Marsupial	Jodi Buchecker	Species Coordinator	1b
Yellow-footed rock wallaby	Petrogale xanthopus xanthopus	Monotreme and Marsupial	Heather Guy	Species Coordinator	1a
Brush-tailed rock wallaby	Petrogale penicillata penicillata	Monotreme and Marsupial	Lindell Andrews	Species Coordinator	Recovery Team only
SA mainland Tammar wallaby	Macropus eugenii eugenii	Monotreme and Marsupial	Jodi Buchecker	Species Coordinator	1b
Squirrel glider	Petaurus norfolcensis	Monotreme and Marsupial	Lindell Andrews	Species Coordinator	1b
Australian sealion	Neophoca cinerea	Marine Mammals	Chris Fulton	Studbook Keeper	1b
Small-clawed otter	Aonyx cinerea	Carnivores	Lindell Andrews	Species Coordinator	1a
Malaysian sunbear	Helarctos malayanus	Carnivores	Gert Skipper	Species Coordinator	1a
			Gale Akerman	Studbook Keeper	1a

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Appendix 5: Zoos SA staff representatives on Species Recovery Teams

Species		Region	Staff Member
Pygmy blue-tongue lizard	Tiliqua adelaidensis	State	T. Morley
Western swamp tortoise	Pseudemydura umbrina	WA State	T. Morley
Orange-bellied parrot	Neophema chrysogaster	National	B. Backhouse
Mallee fowl	Leipoa ocellata	National	J. Buchecker
Greater bilby	Macrotis lagotis sagitta	State	I. Smith, J. Buchecker, P. Clar
Eastern barred bandicoot	Perameles gunnii	Vic state	No current representation
S.A. mainland Tammar wallaby	Macropus eugenii eugenii	State	G. Johnston, D. Taggart, I. Sr
Black-flanked rock wallaby	Petrogale lateralis lateralis	State	P. Clark, I. Smith, W. Boardm
Brush-tailed rock wallaby	Petrogale p. penicillata	State	D. Schultz, D. Taggart, L. And
Yellow-footed rock wallaby	Petrogale x. xanthopus	State	L. Andrews (temporary)



lark

Smith, J. Buchecker, P. Clark, T. Austin

lman, D. Taggart

ndrews (Associate Member)

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Collection Variable					
Animal Collection		2007		2008	
Adelaide Zoo		Current (%)	Planned (%)	Current (%)	Planned (%)
Specimen #s	Arthropoda	3	2	3	6
	Pisces	10	9	3	4
	Amphibia	0	1	1	2
	Reptilia	11	7	10	8
	Aves	57	65	60	61
	Mammalia	19	16	23	19
Species #s	Arthropoda	3	4	3	7
	Pisces	2	3	3	3
	Amphibia	0	1	1	2
	Reptilia	13	13	14	13
	Aves	55	54	52	50
	Mammalia	27	25	27	25
Diversity Index		2.46	2.33	2.52	2.29
Monarto Zoo					
Specimen #s	Arthropoda	0	0	0	0
	Pisces	0	0	0	0
	Amphibia	0	0	0	0
	Reptilia	1	1	1	2
	Aves	9	16	10	17
	Mammalia	90	83	89	81
Species #s	Arthropoda	0	0	0	0
	Pisces	0	0	0	0
	Amphibia	0	0	0	0
	Reptilia	4	5	7	8
	Aves	23	26	20	23
	Mammalia	73	69	73	69
Diversity Index		1.42	1.65	1.45	1.7



2009			
Current (%)	Planned (%)		
14	10		
7	7		
2	2		
9	8		
49	58		
19	15		
5	6		
4	3		
2	2		
14	14		
49	50		
26	25		
2.38	2.25		
0	0		
0	0		
0	0		
1	2		
7	14		
92	84		
0	0		
0	0		
0	0		
9	9		
11	20		
80	71		
1.84	1.69		

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CITES Listed Species		2007	2008
Adelaide Zoo	CITES I	10	10
	CITES II	25	25
	CITES III	3	4
	Not Listed	59	58
	Domestic	3	3
Monarto Zoo	CITES I	21	21
	CITES II	17	17
	CITES III	2	2
	Not Listed	60	60
	Domestic	0	0
CITES I Listed by Taxon		2007	2008
Adelaide Zoo	Artiodactyl	0	0
(% of CITES I species)	Carnivore	23	20
	Misc. Mammal	0	0
	Monotreme & Marsupial	6	7
	Non-passerine	29	30
	Periss. & Prob.	3	3
	Primate	29	27
	Reptile & Amphib.	10	13
	Not Listed	60	60
	Domestic	0	0
Monarto Zoo	Monotreme & Marsupial	28	30
(% of CITES I species)	Primate	9	10
	Carnivore	9	10
	Periss. Et Prob.	18	20
	Artiodactyl	18	20
		10	10
	Non-passerine	18	10



2009	
10	
27	
4	
57	
2	
23	
14	
5	
58	
0	

2009	
14	
3	
7	
25	
3	
35	
10	
58	
0	
20	
0	
10	
30	
20	
10	
10	

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IUCN Listed Species		2007	2008	
Adelaide Zoo	Critically Endangered	2		
(% spp. in collection)	Conservation Dependant	1	1	
	Data Deficient	2	1	
	Endangered	5	5	
	Lower Risk	0	0	
	Near Threatened	8	7	
	Vulnerable	10	13	
	Not Listed	72	71	
Monarto Zoo				
(% spp. in collection)	Extinct	2	2	
	Extinct in Wild	2	2	
	Critically Endangered	2	2	
	Conservation Dependant	13	15	
	Endangered	4	4	
	Near Threatened	6	2	
	Vulnerable	19	19	
	Not Listed	52	54	
Geographical Representation		2007	2008	
Adelaide Zoo	Africa	11	12	
(% spp. in collection)	Africa/Asia	0	0	
	Americas	9	10	
	Asia	15	14	
	Australasia	64	63	
	Europe	1	1	

6

12

43

2

4

13

40

2



(% spp. in collection)

Americas

Australasia

Europe/Africa

Asia

2009	
0	
1	
9	
0	
6	
9	
71	
0	
5	
11	
2	
9	
20	
11	
42	

2009	
10	
0	
9	
14	
67	
0	
46	
2	
11	
39	
2	

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Collection Composition by TAG		2007	2008
Adelaide Zoo	Aquatic		
(% spp. in collection)	Artiodactyl	3	3
	Bats & Rats	1	1
	Carnivore	6	5
	Invertebrate	4	3
	Marine Mammal	0	0
	Misc. Exotic Mammal	2	2
	Monotreme & Marsupial	7	7
	Non-passerine	40	39
	Passerine	16	15
	Periss. & Prob.	1	1
	PNG Fauna	0	0
	Primate	5	5
	Reptile & Amphib.	14	14
	None/domestic	1	2
Monarto Zoo	Artiodactyl	28	32
(% spp. in collection)	Bats & Rats	4	2
	Carnivore	10	10
	Monotreme & Marsupial	23	21
	Non-passerine	21	17
	Periss. & Prob.	8	8
	Primate	2	4
	Reptile & Amphib.	4	6
Collection by Management Level	l.	2007	2008
Adelaide Zoo	1a	12	11
	1b	5	5
	2	0	0

Collection by Management Level		2007	2008	2009	
Adelaide Zoo	1a	12	11	12	
	1b	5	5	8	
	2	0	0	0	
	3	79	81	69	
	nil	4	3	11	
Monarto Zoo	1a	29	33	36	
	1b	2	2	7	
	2	4	4	2	
	3	65	61	50	
	nil	0	0	5	



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3	35
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Animal Collection (as of 30/06/2009) (excludes domestic species)

	Mammalia	Aves	Reptilia	Amphibia	Pisces	Invertebrates	TOTAL
Orders	13	15	3	2	6	7	46
Families	37	42	14	4	9	11	117
Species	68	138	38	5	11	13	273
Specimens	335	1036	180	29	137	260	1977



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Threatened Species

Extinct in Wild

Nil

Critically Endangered

Brush-tailed bettong	Bettongia penicillate ogilbyi
Cotton-top tamarin	Saguinus oedipus oedipus
Sumatran Orang-utan	Pongo abelii
Sumatran tiger	Panthera tigris sumatrae
White-cheeked gibbon	Nomascus leucogenys
Orange-bellied parrot	Neophema chrysogaster
Aruba Island rattlesnake	Crotalus durissus unicolor
Fijian crested iguana	Brachylophus vitiensis
Radiated tortoise	Geochelone radiata
Western swamp tortoise	Pseudemydura umbrina
Axolotl	Ambystoma mexicanum
Murray cod	Maccullochella peelii

Endangered

Northern quoll	Dasyurus hallucatus
Tasmanian devil	Sarcophilus harrisii
Goodfellow's tree kangaroo	Dendrolagus goodfellowi
Matschie's tree kangaroo	Dendrolagus matschiei
Black lion-tamarin	Leontopithecus rosalia chrysopygus
Golden-lion tamarin	Leontopithecus rosalia rosalia
Lion-tailed macaque	Macaca silenus
Siamang	Symphalangus syndactylus
Cape hunting dog	Lycaon pictus
Persian leopard	Panthera pardus saxicolor
Australian sealion	Neophoca cinerea
Malayan tapir	Tapirus indicus
Pygmy hippopotamus	Hexaprotodon liberiensis
Chattering lorry	Lorius garrulus
Baudin's black cockatoo	Calyptorhynchus (funereus) baudinii
Hyacinth macaw	Anodorhynchus hyacinthinus
Swift parrot	Lathamus discolour
Golden-shouldered parrot	Psephotus c. chrysopterygius
Regent honeyeater	Anthochaera phrygia
Gouldian finch	Chloebia gouldiae
Elongate tortoise	Indotestudo elongata
Pernatty knob-tailed gecko	Nephrurus deleani
Pygmy blue-tongue lizard	Tiliqua adelaidensis
Woma python	Aspidites ramsayi
Southern bell frog	Litoria raniformis

Vulnerable

Greater bilby	Macrotis lagotis sagitta
Long-nosed potoroo	Potorous tridactylus tridactylus
Quokka	Setonix brachyurus
Ghost bat	Macroderma gigas gigas
Mandrill	Papio (Mandrillus) sphinx
Greater stick-nest rat	Leporillus conditor
Lion	Panthera leo krugeri
Malaysian sun bear	Helarctos malayanus malayanus
Nepalese Red Panda	Ailurus fulgens fulgens
Binturong	Arctictis binturong
Small-clawed otter	Aonyx cinerea
Brazilian tapir	Tapirus terrestris
Common hippopotamus	Hippopotamus amphibius
Barbary sheep	Ammotragus lervia
Double-wattled cassowary	Casuarius casuarius
Mallee fowl	Leipoa ocellata
Green peafowl	Pavo muticus
Superb parrot	Polytelis swainsonii
Java sparrow	Padda oryzivora
Aldabra tortoise	Geochelone gigantea
Spur-thighed tortoise	Testudo graeca
Madagascar tree boa	Sanzinia madagascariensis
Broad-headed snake	Hoplocephalus bungaroides
Silver perch	Bidyanus bidyanus
Murray River crayfish	Euastacus armatus

Conservation Dependent

G	iraffe	Giraffa car

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Communications

In October 2008, Zoos SA hosted WAZA's 63rd annual conference. This important international gathering debated the theme *Changing Climate Changing Zoos* and discussed the conservation challenges of climate change. As an adjunct of this conference we also hosted the International Zoo Educators conference (IZE) and the 2008 Conservation Breeding Specialist Group's Annual Conference (CBSG). With up to 400 delegates from across the globe, Zoos SA was able to showcase not only both properties but our conservation work, which achieved international media coverage.

Part of Zoos SA's charter is to work with community organisations, and again this year we worked with a range of community groups, including PARAQUAD SA, with a successful special entry day for 1000 of their clients. Up to 2000 members of the Play Group Association enjoyed a day at Adelaide Zoo. The Special Children's Christmas Party attracted 4000 disadvantaged children in December.

Other community festivities continued outside the Zoo grounds, with the Royal Adelaide Show, Womadelaide and the launch of the SA Murray River Guide in Rundle Mall where we hosted displays. We were involved in the Waterhouse Club Annual Art Exhibition where Chris West was the guest speaker, and we auctioned off one of our Chimpanzees' paintings, the Fringe Festival Parade and our annual Going Ape at the Zoo sell-out comedy program.

Some of the new marketing campaigns have resulted in not only excellent visitation to both properties but also a lot of media attention. Aiming to highlight the plight of Orang-utans, we invited red heads into the Zoo for free, which attracted international media coverage.

We celebrated the 130-year anniversary of Adelaide Zoo by running a new series of TV advertisements on Channel 7, which was also supported by a web-based competition entitled *My Zoo Memories*. Our value-added experiences were the focus of a new campaign across Adelaide *Any closer, you'll be dinner*, resulting in excellent bookings for the Behind-the-Scenes programs.

At Monarto we partied for the October school holidays to celebrate the lion cubs' birthday, surprising lots of visitors as the cubs received daily birthday packages.

After the Flamingo bashing incident at Adelaide Zoo, we were quick to respond with a promotion to promote animal adoption, which achieved a new list of Zoo foster parents.

The Westpac Envirodome *Where Conservation Comes Alive* was the focus of our marketing for Adelaide Zoo from March; the quirky billboard campaign with the animals climbing off the page resulted in excellent attendances to the Zoo.

Monarto Zoo attendances continued to fluctuate from month to month with the weather being an issue - the Zoo closed on the very hot days in January. Our branding campaign *Walk on the Wild Side* communicated the "walking" and Zu-loop options the Zoo now offers.

In the cooler months we took a three-month weather sponsorship on MIXFM promoting *Monarto Zoo - where the weather is always fine* to keep the property top of mind.

Monarto Zoo was fortunate to have lots of babies born, and our campaigns focused on the lion cubs and baby rhino. When the rhino escape – widely known as Satura's big day – hit the headlines, we captured people's attention with a *Randy Rhino* campaign, resulting in a lot of Behind-the-Scenes bookings to meet the rhinos and an increase in visitation to the Zoo.

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Partnerships

The partnerships and friendships that we have formed over the years continue to grow throughout both Adelaide and Monarto Zoos, along with our conservation work.

One new program encouraging our partners to get involved in the excitement of the Giant Panda arrival is called Pandas on Parade. This new promotional and fundraising program has 12 corporate partners, all of whom have "adopted" a fibreglass Panda model.

Zoos SA is working with the "Panda Keepers" as they are known, in a range of fundraising activities and functions, which will conclude at the 2010 Chinese New Year event when each Panda model will be auctioned off to the highest bidder.

The program has generated a large number of other opportunities and created widespread public and media interest.

In conjunction with the Panda Keepers and the Pandamania Committee (a Volunteer-based Committee formed to assist with the implementation and organisation of fundraising activities to raise money for the arrival and upkeep of Wang Wang and Funi), Zoos SA is distributing nearly 2000 Panda money boxes which will, along with the Pandas on Parade program, provide a substantial return to the RZSSA.

We would like to thank all our Panda Keepers:

- Adelaide Airport
- Adelaide Football Club/Crows Foundation
- Australian Asian Chamber Of Commerce and Industry
- Coopers Brewery
- DMG Radio Radio Fiveaa Nova 91.9
- Gloria Jean's Coffees
- Hilton Adelaide
- Lynch Meyer Lawyers
- Melbourne Street Group
- Peats Soils & Garden Supplies
- Scouts SA
- Woolworths



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We also thank the following organisations for their generous support:

Westpac Bank for the naming rights sponsorship of the Westpac Envirodome and Showpony Advertising for their eye-catching design work.

Peats Soils for truck loads of support for our horticulture department, Prescott Security for supporting our Cheetah facilities at Monarto, Coca-Cola, Coriole Wines, Cartridge World, SeaLink Travel Group, Ochre Digital, Haigh's Chocolates for the bilby exhibit upgrades, Channel 7, Qantas Airlines, Jarvis Toyota, Northpoint Toyota, Hydrosmart, Communet, SA Water, Network 10, Corporal Security, Channel 9, Lynch Meyer, Hassell, Rhino Tanks, Team Polly, All Leisure, Alby Turner for the wonderful new Children's Zoo kitchen, Suzuki, Gerard Industries, Streets Ice Cream, Coopers Brewery and Boileau Business Solutions.

Communication and Publications

The main vehicle for communications to Zoos SA Members is the *Zoo Times* magazine. This year we produced three publications; the magazine has hit a new benchmark in excellence and the feedback from Members has been very complimentary.

Members also receive monthly Zoo-E News online newsletters highlighting events, special births and general Zoo news.

Zoos SA's internal communication publication is *Keeping Tracks*, incorporating Zoo-logic and distributed to all staff and Volunteers. The Zoos SA website has been upgraded and has dramatically increased our communication with the outside world with up to the minute contributions, media releases and You Tube videos. Our latest statistic shows an increase of visitation to the Zoos SA website by 199.43%.

Future Zoo and Conservation Ark fundraising report

The Future Zoo Foundation is the fundraising arm of the RZSSA, supporting Conservation Ark programs, its staff and researchers.

To help us gear up for a busy year ahead with our fundraising efforts, the senior management were all part of a business development/ sponsorship workshop, lead by Julianne Moore in early 2009. This resulted in the development of a Panda fundraising sponsorship prospectus for the corporate community.

Continuing with the Year of the Frog fundraising for amphibian research, a good result of co-operative effort in all areas, Conservation Ark raised over \$20,000 to support this program in 2008/2009. This amount was the greatest contribution given by any regional Zoo organization.

A wide range of fundraising initiatives has been developed in the last 12 months, supporting a variety of programs both within the Zoos, conservation programs and field work.

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Chaired by Robert Gerard AO, the Serengeti Fundraising group held their annual friend and fundraising event at Monarto Zoo with cocktails by the lion habitat, followed by dinner at the Waterhole Pavilion Function Centre. The dinner was to raise funds for the new Serengeti development at Monarto Zoo. The dinner (catered for by Red Jam) was superb, followed by an auction.

Angelique Boileau of Boileau Business Solutions has been a wonderful supporter of the Zoos, agreeing to chair a new fundraising committee called Pandamania to raise funds for the Giant Panda conservation project. Two events have been held to date: a night with Adelaide Symphony Orchestra at the Pink Floyd concert and a Chinese New Year celebration in the Zoo grounds on a very hot February evening.

We would like to thank all the Pandamania Committee members: Greg Vincent (Secretary), Karli Hunter, Jo Arezina, Bevan Roberts, Maria Kourtesis, Bronwyn Klie, Claudia Cream, Shane Daniel, Stefani Savilla, Prof. Alfred Huang, Dr. Zheng De Han, Mark Booth and Geoffrey Reed.

The ZAP (Zoo Activity Projects) group was formed to engage more effectively with the XY generation. With an active group of 20somethings on the committee, ZAP held its inaugural Bubbles and Brew at the Zoo event in November, raising funds for the new Lemur Exhibit. Boileau Business Solutions continue to support the Adelaide Zoo Animal Encounters experiences and due to this support the series of experiences has gone from strength to strength.

Again we have received backing from Westpac Bank, signing for another term to partner the new Westpac Envirodome education centre. The centre opened in early 2009 and is an excellent addition to our education program at Adelaide Zoo.

To engage and share our excitement of the Giant Panda project, Ltd Governor Hue Van Lieu hosted a Chinese New Year event in the Immersion hub, with a large contingent representing the local Chinese community.

Again the Volunteers Representative Group (VRG) allocated funds for projects to support the development and growth of the Zoos and staff.

A new fundraising troupe which has adopted the Tasmanian Devil also held a range of gatherings throughout the year.

Other Volunteer functions exclusively for our Members continued to raise money, offering events like Breakfast with the Lions through to the annual Quiz Night. The Volunteers' support is greatly appreciated by the Society and the Members who continue to support all the fantastic get-togethers.



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Members of the Serengeti Fundraising Group

Name		Position/Title	Employer
Robert	Gerard	Chairman, Serengeti	Gerard Corporation
Michael	Brock	Managing Director	Brock Harcourt
Dean	Brown		
Hugh	Builder	Partner	Norman Waterhouse Lawyers
Glenn	Cooper	Executive Chairman	Coopers Brewery
David	Hamilton	Chairman	Hamilton Holden
Michael	Keelan		
David	Seymour-Smith		
Alan	Sheppard	Chief Executive Officer	Alan Sheppard Constructions
John	Taylor		
Lindsay	Thompson		
Steven	Trigg	Chief Executive Officer	Adelaide Football Club
Graham	Walters	Chairman, SA Executive Committee	Westpac Banking Corporation

Membership and Animal Adoption

Membership has again grown significantly, with 23,307 Members at the end of the financial year. This is attributable to new marketing campaigns across all mediums, including raising the profile of Membership and its benefits at both Adelaide and Monarto Zoos through promotional material. Again transactions online are growing exponentially, with over half of our Members now deciding to renew their Membership via our website. Many new Members are joining online as well, no doubt aided by the new website which has been well received by Zoo Members and is much more user friendly. We had planned to consolidate our Membership numbers over the past financial year, but due to the Zoos' increased profile and positive media, numbers have continued to grow, a trend no doubt also attributable to the excitement generated by the pending arrival of Giant Pandas.

Zoo E-News continues to grow its readership with over 5,500 of our Members receiving a monthly email, which increases communication to our Members and encourages more interaction with our website and the Zoos in general. Zoo Times now has a huge readership of over 11,000, which includes Members, sponsors and interested parties.

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Animal Adoption numbers remain steady with minimal growth, and numbers now total 1025. After the unfortunate incident involving the assault of the Greater Flamingo, a successful advertising campaign via various media means resulted in a huge outpouring of support with numerous caring people from all over the world, including Sweden, adopting the Flamingo.

A hugely successful life Membership function was held at the Waterhole Pavilion, Monarto Zoo. Over 400 people attended the Morning and Afternoon Tea, hosted by Tom Baxter (Membership Manager) with keynote addresses from the Society's President Heather Caddick and Chief Executive Officer Chris West respectively. Life Members and guests were delighted to enjoy lovely weather, and enjoyed the rescheduling of the event to winter, with Monarto Zoo looking spectacular after recent rainfall.

Corporate Membership has continued to grow rapidly with huge support from the Police Association of SA, with well over 300 of their members joining our organisation.

At the turn of the financial year a mailout was sent to RZSSA annual Members giving them the opportunity to join up as a life Member. Early indications are that this mailout has been hugely successful, with a large number of Members taking up the offer and becoming life Members of the RZSSA. Results from this will be reported in the 2009/2010 annual report.

Membership

Honorary Life
Life
Annual
- Adult
- Student
- Child
- Family
Corporate
TOTAL

Animal Adoption

Individuals

Schools

Clubs/Companies

TOTAL



2009	2008
6	6
1226	1151
1535	1090
166	137
107	70
19,721	17,414
(6328 families)	(5451 families)
546	274
(3 companies)	(3 companies)
	20,142

2009	2008
953	902
15	19
59	79
1027	1000

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Grants

The economic downturn has led to grant providers stating that they are facing an overwhelming number of applications by not-for-profit organisations. More stringent and focused eligibility criteria have been introduced by providers in order to limit the number of applications. Despite the strong competition there have been a number of successes within the Visitor Experience and Volunteer groups. The Science group has received support for the Brush-tailed rock wallaby and the Southern hairy-nosed wombat projects. Monarto has received support for the Remnant Mallee Scrub regeneration and the revegetation plantings associated with the WAZA conference in October. The pursuit of a public art and design grant led to the erection of free pointer signs to the Zoo within the CBD. Many staff have collaborated with other organisations in order to prepare and submit demanding grant applications that have not translated into fund acquisition, but staff should not be disheartened. Feedback has focused not on the application, but on the number of applicants and the inability to finance all the projects submitted. A delay in processing times by the grant providers has resulted in extended notification times and many applications are pending.

Bequests

The high media profile of Zoos SA, the details on the new website and an advertisement in October have generated an increasing number of bequest enquiries from individuals and lawyers. Many of these have translated into known bequests. Four supporters have chosen their funeral donations to be made to Zoos SA in lieu of flowers and several bequests have been realised. A new bequest brochure, purposemade funeral envelopes and supporting literature are under development. Zoos SA has also drawn up an options list for the locations and prices of In Memoriam plagues in both Zoos. General advice on preparing a will, a standard format of wording and drafting of specific wording for individuals wishing to support a particular site or project is available on request from the Bequest Officer. All potential bequestors are encouraged to have a relationship with Zoos SA in their lifetime in order to avoid potential contesting of their will after their death. Every enquiry is treated confidentially and can be conducted by email, phone or in person at Adelaide Zoo.



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Volunteer Programs

Volunteers are vital to support operations at Zoos SA. With the Giant Pandas arriving and new developments rapidly unfolding at both Monarto and Adelaide Zoos, there has never been a more exciting time to join our Volunteer programs – nor a greater need.

The duties for Volunteer Guides at both Adelaide and Monarto Zoos are expanding with the increasing visitation, and our Volunteers remain the 'face' of the Zoo.

Monarto Volunteer Guides have remained dedicated and flexible with operational trials during school holidays in 2009 to move increasing number of visitors throughout the Zoo while still providing 'face-to-face' commentary.

Volunteer Guides and Information Centre Volunteers have been adjusting well as changes occur with the building works around the Zoo. The Adelaide Zoo Wildlife Walkabout Tours are working well and the Envirodome also became a role for the duty Guides with its opening in March 09.

Pre-booked walking tours of the Adelaide Zoo kept our Guides very busy on top of their rostered duty, with 196 guide spots from 48 bookings.

Afterhours Walks which are booked with Private Functions have also kept our Afterhours guides busy with 55 bookings involving 365 guide spots between September 08 and April 09. Donations collected from these walks are managed through the VRG and go to the VRG Native Conservation Fund. Many thanks to All Leisure Hospitality for their assistance with this very successful service.

With our rapidly growing Zoo Membership, our New Member Tours have been more popular than ever. We will continue to provide this wonderful service which is led by Zoo Guides and coordinated by Volunteer Bev Kuehn. The team does a great job to arrive bright and early and guide new Members around the Zoo, including a few behind-the-scenes snippets of information and then finishing with tea and coffee back at the Volunteer Centre.

Zoo Youth has had another very successful period. Zoo Youth has held service days at Monarto Zoo on two occasions during 08/09 and has had the opportunity to help out by cleaning up the new Chimpanzee area, moving rocks to the lion area, planting trees, cleaning out night quarters and several other hands-on tasks.

Zoo Youth has helped out in the Children's Zoo at Adelaide Zoo on several occasions and as part of their craft activities also had the task of designing an animal of their choice, then making it out of papier mache.

Zoo Youth Coordinators have been dedicated to the success of Zoo Youth and we have four Volunteers who have been co-ordinating the group for over five years. We have also had



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another four join as coordinators during the 08/09 period and we certainly have positions for more Volunteers with Zoo Youth. Thank you to our coordinators, headed up by Jerry Titus.

A great success story has emerged from Zoo Youth this year, with four young people who have been Zoo Youth participants for several years after turning 18 now returning to the Zoo as adult Volunteers, after completing training in early 2009.

The Adelaide Zoo KidZclub has also had another very successful year and with many new Volunteers joining the group the number of child participants increased. The group was very excited to move into the new facilities of the Envirodome to undertake their monthly activities. Thank you to co-ordinator Kathy Raftery for her dedication and thanks also to Zoo Education for their assistance.

Zoowatch Volunteers have given a total of 600 hours during this period, undertaking watches on animals such as, Mandrill, Squirrel monkeys, Golden tamarin, Malaysian sun bears and Flamingo. The watches have included invaluable information for the Keepers.

The Pelican Group Volunteers have given around 1500 hours over the year in the research and data collection of local breeding groups of Pelican. The Adelaide Zoo Wild Bird Survey base data collection began in 2001 under the direction of Greg Johnston and is continuing every season with 16 Volunteers involved, and is working closely with the Bird and Research Departments.

The Frog Census also continues annually within the Adelaide Zoo with dedicated Volunteers involved.

The BEEZA (Behavioural & Environmental Enrichment for Zoo Animals) Volunteers operate from Adelaide Zoo six days per week and have collectively given over 6000 hours to producing enrichment items for a Zoo creatures. Keep up the great work!

The Mallee Minders have continued their valuable work at Monarto during 08/09. The group worked tirelessly to prepare the new Chimpanzee habitat which looks fantastic. Many plantings have been made in a variety of habitats and surrounds, although the lions thought many newly planted trees in their habitat were intended to be 'toys' and easily pulled them from the ground and played with them – well, they made great enrichment!



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Offsite guest speaker requests have continued to increase. Guides from the team of Off Site Speakers for Adelaide Zoo and Monarto Zoo have presented to a variety of groups and clubs across the metropolitan area and country areas including the Barossa, Fleurieu, Murraylands and Adelaide Hills. Donations from these talks are managed through the VRG and go to the VRG Native Conservation Fund. Thank you to Stephanie Eastick for co-ordinating the speaker engagements.

Children's Zoo Volunteers continue to be a blessing for the Keepers as they assist with the animal encounters in the 'barn'. The Children's Zoo obtained a new kitchen which was generously supplied and installed by Alby Turner and Sons. Children's Zoo Volunteer Elizabeth Jordan was instrumental in this. The Bug Barn is once again very popular.

The Cadaver group have had some iconic animals to work on this year. While it's been very sad to lose these animals, they will now be used for educational purposes on the touch tables. The skins include a lion, bear and tiger. Another project completed this year was a Chimpanzee skeleton; the bones were prepared a few years ago and have been in storage waiting for someone to assemble them. Along came Elizabeth Jordan, a new Volunteer to the Cadaver group, who was particularly interested in skeletons. She has spent hundreds of hours re-articulating the Chimpanzee skeleton. The next project is a complete Cheetah skeleton. The Adelaide Zoo Members Activity Group and the Monarto Zoo Function Team have provided many popular and usually sell-out functions across both properties for our Members. Although fundraising is not the main aim of the groups they do raise much-needed funds which are distributed by the VRG to projects within Zoos SA. Well done to both teams, AZ coordinated by Pam Page and MZ coordinated by Pam Scott.

The Monarto Catering Group is renowned for their great food dishes at Member functions and after years of recipe requests the group produced a recipe book. The Monarto Volunteer Recipe Book is available through the Zoo Shop at both Adelaide Zoo and Monarto Zoo and retails for \$20. Funds raised go to the VRG to fund projects within the Zoo. Congratulations all involved with the production of the book, headed up by Jan Tottman and Peter and Marie Senn.

A dedicated group of Volunteers with a passion for the Tasmanian Devil, called the Devil's Angels, held a number of fundraising activities to assist with the breeding program at Monarto Zoo. The group has raised in excess of \$5000. Thank you to Lynda Slesser for the idea and for being our Head Angel.



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The VRG was pleased to forward a total of \$10,213 from our Native Conservation Fund, raised through Afterhours walks and Off Site Speaker engagements, to the Greater Bilby Breeding Program at Zoos SA. The Volunteer group recognises the importance and success of Zoos SA's bilby breeding and release programs.

The VRG has also given financial support during 08/09 to:

- Eight new Touch Table trolleys, purchased for Guides to use across both properties. They have been a welcome addition to the Monarto viewing platforms.
- Funding for enrichment for the lion pride at Monarto.
- A joint Mallee Minder/Natural Resource Conservation project at Monarto Zoo for signage for an area containing no less than five threatened plant species. It has been fenced off to enable the removal of tree guards which will allow natural regeneration to occur. The signage will explain the importance of habitat and threatened plant protection.
- A power drill to assist the Mallee Minders with the hundreds of holes needed for their tree planting.
- Purchase of fans for cooling the Red Pandas during summer.
- Purchase of a new X-ray machine for the Adelaide Zoo Animal Health Centre

Recruitment is always a priority and the 08/09 year has seen many new people joining our Volunteer force. We will continue to recruit throughout 09/10 to meet the needs of our increasing visitation. Training teams at both properties have been very busy over the past year and planning is in place for the next year. Thank you to everyone involved with the training of our Volunteers, and special thanks to Trevor Klein and Barbara Jesser who assist with Adelaide Zoo training and to Ian Walton, Paula Jones and Brian Kuss who assist with Monarto Zoo training.

The Zoos SA Volunteer Programs were also successful in obtaining a grant through the Office for Volunteers and the Office for Aging to produce a promotional DVD on Volunteering with Zoos SA. The DVD is entitled Aging Can be WILD, Volunteering with Zoos SA. We had a lot of fun making the DVD and the finished product is fantastic, very professional. It really captures the passion of our Volunteers. Thank you to Di West for assisting with the application. The DVD will be used for promotions and 'snippets' will be placed on the website.

Thank you to all at Zoos SA for your support of the Volunteer Programs. There will always be a place for Volunteers in Zoos SA irrespective of the generations and technology, I believe we will always need the human interface.

To our Zoos SA Volunteers, we are humbled by your continued commitment, dedication, enthusiasm and passion.



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Visitor Experience

Monarto Zoo visitation continues to grow, with an overall growth in 2008/2009 of almost 4%, making total visitation approx 111,000.

Additional changes were made to the Zu-loop shuttle system to cope with the increased visitation. The new lions/dog viewing platform was completed and opened in October 2008, the Zu-loop shuttle was extended to incorporate visitor access to the platform and a daily Carnivore Keeper Talk was introduced. An extension to the walking track network also allowed total walking access to all wildlife viewing platforms throughout the Zoo, providing a complete walking experience.

A Zu-loop only operation was introduced for the April school holiday period, to provide a quicker, more efficient system for visitors to access the Zoo, avoiding sometimes lengthy delays waiting for guided safari tours during peak periods. The system operated with guides located at viewing platforms to provide commentary. Educational Touch Tables were introduced at platforms to enrich the experience for visitors. Changes to booked tour operations were also introduced in June 2009 with the appointment of five paid Tour Hosts and a change in pricing structure for booked tours, as the move towards a Zu-loop experience for general visitors continues.

Adelaide Zoo has undergone a number of changes throughout the year, with much planning for the new entry precinct, the arrival of the Giant Pandas, and Behind-the-Scenes experiences.

A number of short Animal Close-Up experiences were introduced at Adelaide Zoo, including a Lemur Close-Up, Squirrel Monkey Close-Up and a lion feeding experience. These experiences are available on a daily basis and provide an additional animal encounter experience in addition to the ever popular Behind-the-Scenes experiences at both Adelaide and Monarto Zoos.



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Events report

This financial year, Zoos SA enjoyed a full and varied calendar of special events and activities across both Zoos. Many new events were implemented as Zoos SA continues to seek opportunities for growth through attendance driving and fundraising activities.

In a bid to attract the elusive Generation Y to the Zoo, the ZAP (Zoo Activity Projects) Committee was formed. This committee is made up exclusively of young professionals passionate about conservation and Zoos SA. This Committee, with the support of the Events Coordinator, organised the inaugural Bubbles and Brew event during November. More than 600 people attended this unique wine and food festival at Adelaide Zoo, the vast majority ranging from 20 to 35 years of age. An evaluation of this event suggested it was a huge success and the ZAP Committee are planning for the second Bubbles and Brew event to be held in mid-October this year.

To celebrate Halloween, Adelaide Zoo opened for extended hours on October 31. This event was an overwhelming success, with more than 800 people dressing in their scariest Halloween outfits for the night. The live entertainment, costume parade and trick or treat trail proved great fun for all the family. This event has now been tagged as the safest way for kids to celebrate Halloween. After previous success at Adelaide Zoo with Valentine's Day events, we trialled intimate dinners at Monarto and breakfast events at Adelaide Zoo. The breakfasts were a huge hit, with 60 couples enjoying an intimate breakfast and animal encounter. Seven couples also enjoyed a very exclusive dinner experience at Monarto.

During the Fringe Festival, Adelaide Zoo once again played host to the Going Ape Comedy Festival. Record crowds attended the event, with almost 4000 people enjoying the event across four nights of brilliant comedy. Organisers Events Oz were thrilled to also announce record profits and are planning to increase the event to five nights in 2010.

Other attendance driving, awareness raising and fundraising activities included the Wild Thailand Festival, Night Zoos and Breakfast with the Orang-utans at Adelaide Zoo and Live at the Zoo at Monarto.



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Human Resources

The Team

Vicky Whiteway, Human Resources Manager Peter Collins, Occupational Health and Safety Coordinator Mardi Nickels, Payroll Co-ordinator

Areas of Responsibility

The team works closely with staff and line managers and is responsible for:

- Employee and industrial relations
- Human Resource Management
- Occupational Health, Safety and Welfare
- Organisational Change, Communication, Training and Development
- Payroll
- Recruitment
- Workers' Compensation

Objectives

Zoos SA aims to ensure that its workplace continues to be a safe and stimulating environment. To do this we are:

- Investing in Training & Development specific to each department
- Recruiting a Human Resources Officer specialising in Training and Development to assist in the formulation and delivery of clear and transparent policies and procedures across both sites. This will include improved Induction and Appraisal processes
- Applying for funding to outsource training and recognition for Keeping and Visitor Services staff at Certificate III and IV levels
- Improving staff facilities and benefits.



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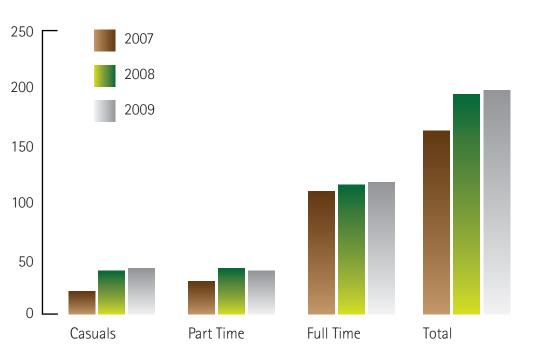
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Staff Numbers

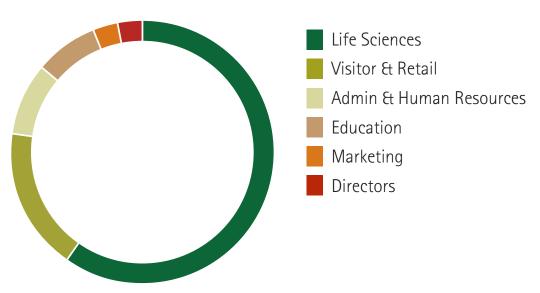
Staff numbers have continued to grow in all areas, with staffing numbers close to 200 in total. The breakdown of contracts is:



Industrial Relations

Staff and management have worked together to develop and deliver a revised pay structure that better reflects business needs and seeks to recognise and reward the efforts and achievements of our workers. The Collective Agreement commenced in 2009 and will run for three years. Significant changes include the addition of extra increments and an increase in family friendly benefits and flexible working options. The inclusion of more staff within the Collective Agreement will ensure that staff have access to benefits such as income protection.

The breakdown of staff in relation to the discipline for which they are employed remains constant:



Zoos SA will undertake a significant recruitment drive for Visitor Experience, retail and associated staff in 2009 to work within the new Entrance Gateway Complex.

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Occupational Health and Safety

2008/09 saw a continued improvement in the safety culture at both Adelaide and Monarto Zoos, with an increased focus on safety, and a number of safety improvements implemented. The ZooSafe committees have been reestablished with new Health and Safety Representatives elected and trained.

The Zoos have experienced a considerable amount of construction at both sites. All external contractors working on the PEOPLE Project and the Monarto projects have received a Zoo Specific Induction. The scale of construction has been unprecedented yet, despite the increase of risk associated with these projects, there have been no lost time injuries associated with these projects.

The following statistics show an improvement in the lost time injury frequency rate at both locations which is encouraging, in particular with an increase in the number of visitors and the hours worked. The increase in the number of visitor incidents is in some part due to improved reporting of incidents which is an expected result of an increased focus on safety.

Employee Injury Statistics

	LTI	Hours Worked	Hours Lost	MTI	FAI	NH	LTIFR	Lost Hours
Adelaide Zoo	3	203,824.95	3,114.55	10	34	10	14.72	2087
Monarto Zoo	2	77,123.79	825.11	3	31	35	25.93	825
Cumulative Total		280,948.74	3,939.66		65	45	17.79	2912

Visitor Incident Statistics

	Incidents	No. of Visitors	Visitor Incident Frequency Rate (VIFR)	Visitor Incident Frequency
Adelaide Zoo	51	360462	141.49	0.014
Monarto Zoo	47	111844	420.23	0.042
Zoos SA	98	472306	207.49	

Glossary of Terms

Public Incident: An incident that involved a member of the public either individually or as a group, this may or may not have led to an actual injury.

LTIFR: Lost Time Injury Frequency Rate = No. of Lost Time Injuries / Number of Hours Worked x 1,000,000

VIFR: Visitor Incident Frequency Rate = No. of Visitors involved in incident / No. of Visitors x 1,000,000. This measure is a calculation developed to provide some quantifiable measure of how well we look after the safety of our visitors.



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Almost 2/3 of the staff employed are working directly with the animals and facilities, some 108 out of 174 staff. The second largest group of staff, numbering 31, is directly responsible for servicing our visitors through gates and retail outlets. The breakdown of this staffing for 2007/2008 is;

Staff recognition is a key aspect to any business. Zoos SA have recently presented staff with their 20 and 30 years service awards and have introduced a 10 years service award. These were presented by Heather Caddick (President) and Chris West (CEO) at a formal award ceremony that was part of our 130th celebrations.

The review of all OH&S policies and procedures has commenced and links with other ARAZPA members are being developed. The revised documentation has become the "ZOOSAFE Occupational Health and Safety System" with the goal of ensuring that Zoos SA is a *"Safe Place to Live, Learn, Work and Play".*

Workers Compensation and Visitor Incidents

Employee Injury Statistics								
	LTI	Hours Worked	Hours Lost	MTI	FAI	NH	LTIFR	LTI (%)
Adelaide Zoo	7	146822	1750	9	38	12	47.68	1.192
Monarto Zoo	4	82587	77	3	36	17	48.43	0.093
Cumulative total								0.796

The ratios between Lost Time Injuries (LTI) and those requiring medical treatment (MTI) or first aid (FAI) suggest that the reporting of incidents is good with employees reporting both first aid incidents and near hits (NH) to assist in risk management strategies and preventative measures. The two zoos have a similar performance in regard to safety, in particular the lost time injury frequency rates are very close hence the Lost Time Injury frequency rates (LTIFR).

Visitor Incident Statistics				
	Incidents	No. of Visitors	VIFR	(%)
Adelaide Zoo	32	358723	89.21	0.009
Monarto Zoo	26	107602	241.63	0.024
		466325		

The visitor incident frequency rate is a calculation developed to provide some measure of how well we look after the safety of our visitors, the people that come to "Play" at Zoos SA. These figures show a low percentage injury risk.

Zoos SA value all our staff as our most important resource, regardless of age, gender, race, disability, sexual orientation or beliefs, encourage communication and involvement at all levels and by ensuring development through appraisal and training in line with our business objectives and the individual's needs.



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Glossary of Terms

Public Incident - An Incident that involved a member of the Public either individually or as a group, this may or may not have lead to an actual injury.

LTIFR - Lost Time Injury Frequency Rate, No. of Lost Time Injuries / the no. of hours worked x 1,000,000

VIFR - Visitor Injury Frequency Rate, Number of Visitors injured / number of visitors for period x 1,000,000

The introduction of the performance based salary increment is complete, with the first staff already in receipt of this. The current Enterprise Bargaining Agreement will cease in June 2009 and we are already considering options available and discussions with staff will commence in the new year.



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Admissions Adelaide Zoo

The increase in members visiting the Zoo is indicative of the rapidly increasing membership base. The opening of the Westpac Envirodome and associated positive media has maintained the total number of visitors despite extremely hot weather in the summer, the parallel economic downturn, and the large amount of construction activity in the Zoo.

	2009	2008	Variance
Admissions (Paid)	256,918	262,624	-2.2%
Members	48,435	44,654	+7.8%
Other Admissions (Free)	51,913	51,445	+0.9%
After Hours Functions	12,283	11,687	+4.9%
Total			

Total attendances for the last five years were:

Year	Attendance
2007/08	370,410
2006/07	400,790
2005/06	380,940
2004/05	372,759
2003/02	378,650

Monarto Zoo

The opening of the Lion and Dog viewing platform and the visit of Dr Jane Goodall to inaugurate the (still to be completed) Chimpanzee enclosure in October 2008 set the pace for a continued growth in visitation at Monarto. The lion cubs, baby rhino and Satara's "Big Day Out" also drew visitors, leading to a record number of attendances in 2008/09, despite the number of enforced closures in January due to hot weather.

	2009	2008	Variance
Admissions (Paid)	89,151	87,801	+1.5%
Members	13,700	11,763	+14.1%
Other Admissions (Free)	8,993	8,038	+10.6%
After Hours Functions	0	0	0%
TOTAL			

Total attendances for the last five years were:

Year	Attendance
2007/08	107,602
2006/07	105,504
2005/06	86,863
2004/05	98,901
2003/02	94,675

Government Assistance

The Board of the Society acknowledges and appreciates the ongoing financial support from the South Australian Government for both recurrent expenditure and contributions to capital programs.



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ANDERSON N	BUTTERS D	GARDNER J W	KATS H	NEINDORF A
ANDREWS L M	CALLERY S J	GEISTER C L	KENT L P	NICKELS M A
ARMSTRONG P	CARNEY T M B	GRENFELL J R	KUHNERT D P	NIELSEN T A
ASHTON G W	CASE T	GUY H R	LAING M B	NINNES K J
AUSTIN R G	CASTLE G J	GUY M J	LANGLEY J N	NORMAN M I
AUSTIN T E	CATT L A	HAKOF D H	LANGLEY N J	OLDS L G M
BACKHOUSE B	CHALMER V	HAKOF J P	LETCHER C N	OLIVER A S
BALTUSSEN N E	CHAUNCY A N	HALEY C M	LLOYD K M	PEDERSON M
BARCLAY K	CLARK P B	HALL S	LLOYD M	PENLEY L J
BARRY D L	COLLICELLI P	HAMILTON D	LUGG J G	PENNINGTON
BASSHAM-BERT	COLLINS I Y	HAMMOND M M	LYMAN H C	PETERSEN C F
MI	COLLINS P H	HANLEY L	MAC KINNON J M	PIKE B J
BAXTER T K	COLQUHOUN C S	HAY W	MACCHIA E M	POHL B E
BAYLY S	COPELAND J W	HAYES L M	MADON H	POST M
BEAUCHAMP H	СОИСН К М	HAYES T	MALES K G	POYNER M A
BEGGS K B	CRONIN N G	HEARN D R	MANNING B C	PROBERT R J
BENNETT A J	CRUTCHETT J V	HENDERSON N A	MANUEL T L	REDMAN B J
BIGWOOD S	DALY M	HOARE C L	MARTA J B	RICE E J
BIRD J	DE SILVA M L	HOARE L	MCCULLOCH S A	RICHARDSON
BISHOP N J	DECHELLIS J	HODSON T J	MCKEE S J	ROBINSON J
BOARDMAN K J	DELLA J	HORTON E K	MCLELLAND D J	ROMER C J
BOARDMAN W S J	DEWHIRST R A	HOWARD A C	MCPHERSON J	ROWE S A
BONNEY E A	DRABSCH L A	HOWLETT H J	MENSFORTH C L	RUSHWORTH
BREWER M T	DURDEN K M	HUGHES E L	MESSNER T L	RYAN C M
BRIGHT A M	EVANS K J	HUGHES J A	MILLS M	RYLES N D
BROOKS G F	FAMIGLIETTI N	HUNT K L	MODRA P S	SALTER L M
BROWN A J	FEELEY N J	HUNTER J	MOFFITT J D	SANSONE H K
BROWN L A	FEWSTER A J	IRELAND K	MOORE J C	SCHULTZ D
BROWN S J	FISHER S J	JEFFERIES M	MORLEY T P	SCOBLE J A
BUCHECKER J A	FOLEY J	JENKINS T J	MORRIS A M	SHALLOW D N
BURFORD G L	FOLLAND K L	JOHNSON L M	MORRISON J	SHANAHAN M
BURFORD J M	FOSTER W K	JOHNSON M C	MOSER L	SKIPPER G
BURNS H A	FRITH M G	JONES J T	MUSCARDIN S A	SMITH A J

N D R	SMITH I G
DORF A M	STAPLETON P J
ELS M A	STILL E V
SEN T A	STOCKBURGER L E
ES K J	TAGGART D A
MAN M D	TAN P D
LGM	TAYLOR H M
ER A S	TEOH C R
RSON M K	THOMAN G A
EY L J	THOMAS C M
IINGTON G J	THOMAS R J
RSEN C R	TILGALS K B
ВЈ	TOMKINSON N A
BE	TRABILSIE J
Μ	TSIROS S
IER M A	VODIC L M
ERT R J	WASHFORD S K
IAN B J	WEST C D
EJ	WESTLAKE G
ARDSON D W	WHITEHEAD P
NSON J	WHITEWAY V A
ER C J	WHITFORD H R
E S A	WILLIS A
IWORTH C L	WILSON V K
I C M	WINEN N S
5 N D	YENGI E D
ER L M	YORATH W
ONE H K	YOUNGER S
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St Louis WildCare Institute Scientific Fellow International Species Information System Board of Trustees World Association of Zoo and Aquaria Council WAZA Ethics and Welfare Committee WAZA Program Committee Australasian Regional Association of Zoo and Aquaria Board Conservation Council of SA Jane Goodall Institute Australia

Pan African Sanctuary Alliance	ARAZPA Rese
Australasian Primate Society	ARAZPA Aus Committee
Great Apes Survival Project (GRASP Australasia)	University of
International Ethology Council	Curriculum (
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Black-flanked Rock Wallaby Warru Recovery Team	SA Australiar
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Victorian Brush-tailed Rock Wallaby Recovery Team	Australian W
National Brush-tailed Rock Wallaby Recovery Team	DAFF Univers Health Netw
Victorian Brush-tailed Rock Wallaby Captive Management Working Group	DAFF Zoo Ind
Victorian Brush-tailed Rock Wallaby Field Management Working Group – Grampians	SA Wildlife E
Gilbert's Potoroo Recovery Team	Barbara Harc
Greater Bilby Recovery Team	Botanic Park
Eyre Peninsula Yellow-tailed Black Cockatoo Recovery Team	Editorial Adv
Devils in Danger Foundation	
Pelican Specialist Group, International Union for the Conservation of Nature	
Conservation Breeding Specialist Group (CBSG – IUCN Species Survival Commission)	
ARAZPA Field Conservation Committee	

ARAZPA Veterinary Specialist Advisory Group

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Life Member List

Honarary Life Members NAME SURNAME David Attenborough Nick Cureton Edward J Mc Alister

David Minear Alf Prade Purkiss George

Life Members

NAME SURNAME

Audrey K A Abbie Amanda Abbott Adam Malcolm R Christine Adams Adams Thomas Adams James Adams Jennifer Roger Ainsley Akkermans Henry Akkermans William Sarah Akkermans Karen Alchin Alchin Liam Jennifer Alde Alde Caroline Trilby Aldridge Alexandrides Mayda Lauren Alfred Michael Alfred Georgia Allan Allan Phoebe Jemima Amery- Gale Joel Anderson Rebecca Anderson Anderson Jane Anderson Marie K Luise Andrewartha JHF Angas

Carina	Angelo
Elizabeth	Angove
Catherine	Angove
George	Anthony
Dymphna	Antic
Silvio	Apponyi
Michael	Aquilina
Luisa	Aquilina
Lynette	Arden
Keith	Arnold
Anthony	Arnott
ΜE	Athawes
Joan	Athersmith
Norman	Athersmith
Annette	Atwell
M Ruth	Aulton
Veronica	Bacchia
Joshua	Badcock
Sarah	Bailes
Matthew	Bailes
Ben	Bailey
Michele	Bain Cureton
Maya Gumilly	a Baker
Michael	Balin
Jan	Ball
Jeffrey	Barbara
Virginia	Barber
James	Barber
Adam	Barber
JE	Barker
Jennifer M	Barker
Heather M	Barnes
A. Isabel	Barnes
Lisa	Barnett
Katherine M	Barratt
Nicholas J	Barratt
Peter C	Barratt
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Jeffery C	Barrett
Merrin	Barrett
Fiona	Barrowman

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	Baskerville	Kenneth A
	Baskerville	Michelle
	Bates-Brownsword	Andrew
	Bau	James V S
	Baulderstone	Judith
	Baulderstone	Sally F
	Beales	Melody
า	Bentley	Meryl
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	Benton	Stephen
	Bercic	Edward
E	Besanko	Sheridan A
ne M	Beven	Jan
=	Bickford	Leah
J	Bickley	Lyn
ıe	Bide	Kathy
	Birkett	Esther E
n Nap	pier Birks	Rita
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5 N	Birks	Gillian
Κ	Birks	Robin
	Black	Charlotte N
	Black	Gail
	Blanch	Maria
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t	Blaser	СМ
	Bleby	Geoffrey
А	Blinman	Jane
	Bloomfield	Patricia
	Bockner	Rosemary H
	Bohn	G B
ry	Bohn	Gwynne D
	Bonnell	J R D
ne	Bonython	Jordan D
	Booth	Madeline H
et	Bootsman	R F
	Вооу	Emily
2	Bormann-Ziersch	Claire
	Borthwick	Theodore
	Bosio	Lucinda

Boxall Boy Boyle Boyle Braddock Brand nΑ Brand Brannigan Brannigan Bray Breed Bretag Bretag Briggs Briggs Bright te N Brimson Britton Brko Brook Brooks V Brooks Brooks ary H S Brooks Brown D Brown Brown Brown D ie H Brown Brown Brown Brown

Bruce

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Boxall

Chris	Bryant
FΡ	Bulbeck
ΡM	Bulbeck
Janet W	Bullock
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G B	Burfield
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MA	Burfield
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Bernard	Buterin
Clarice	Buterin
Graeme	Butler
Sallie	Butterfield
Stroma	Buttrose
Julie	Cadd
Andrew	Cadd
Jessica	Cadd
Heather	Caddick
Barnaby	Caddick
Alfred	Caddick
Тоby	Caddick
Kerstin Ryland	ler Caddick
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Colin	Causer
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Gwen	Chambers
Alisa	Chan
Naomi	Chan
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Carmel	Chetcuti
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Margaret A	Clements
Una S J	Clifford
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Helen	Clifton
Don	Clifton
lan	Coat
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Egilda	Colaruotolo
Oonagh	Colbeck
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Colin	Colquhoun
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Daniel	Congedi
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Rachel	Coombs
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John	Franklin
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Gaynor A	Genders
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Marguree Mark	Gibson
Imari K M	Gibson
Michael	Gibson
Nancy	Gilbert
Jennifer	Gilbert
BM	Gilchrist
Peter	Gilchrist
Jock	Gilchrist
	Gilchrist
Timothy	
Lyn O'Hallora	Giles
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Caroline	Gill
Karen	Gill
Stephen	Gill
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Michael J	Gilpin
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Poppie Diana	Goldsmith
Annie Louise	Goldsmith
Billy	Goldsmith Trim
Fay E	Goldsworthy
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, Mary	Grant
lan	Grant

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Steve	Gray
Juleen	Gray
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Christopher	Gray
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Bradley	Gray
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Jeannie	Gregory
Solveig	Grenfell
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Oliver J	Grieve
William	Griggs
Susan	Gristwood
James	Grose
Lachlan	Grose
Paul	Groundwater
МЈ	Grund
Peter	Guest
Quinn	Gulley
Sandy	Gunter
Jennie	Hackett
Geoffrey	Hackett-Jones
Penelope	Hackett-Jones
Jason	Hakof
Terry	Hall
Margaret	Hall
Mary	Hall
Stephen	Hall
Matilda Annie	Hall
Tatum	Hameister
Deborah A	Hamilton
Michael	Hamilton
Joanne	Hamlyn
Leanne	Hampel
Trevor	Hampel
Alice	Hancock
Erica	Handley
Mary G	Handley
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David	Handley
Chris	Hannocks
Rosemary	Hanson
Kathy	Harbison
Sheilagh A	Hardy
Katherine	Harford
Bob	Harnas
Alastair D J	Harris
Alfred J	Harris
Austin A	Harris
James D	Harris
James M R	Harris
Richard J D	Harris
Sharon L	Harris
Susan	Harris
Phillip	Harris
Christine	Harris
Brian	Harris
Paul F	Harrison
Mary L	Harrison
Helen	Harrod
Alastair V	Harry
Richard J	Harry
Allan	Hart
Kate	Hartwig
D	Harvey
Mary B	Harvey
Gary	Hawke
WR	Hawkes
Kathryn-Mary	Hawkins
FD	Нау
Jennifer	Hayes
Dianne	Haywood
James	Hazzard
Stephanie	Head
Janet	Heames
Denis	Hehir
Helma	Heinsberg
David A M	Hele
Mark	Hender
Sarah	Hender
Phoebe	Hender
Harriet	Hender

Marilyn	Henderson
Kathy	Hennessy
Liz	Higgins
Sarah	Hignett
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Leanne	Hill
Brian	Hill
Tracey	Hill
Elliott	Hill
Matthew	Hill
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Helen	Hillman
Carolyn	Hoare
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Rosemary	Hocking
Joanne	Hodgson
Robert	Hoffmann
Christine M	Holder
Jenny	Holland
C Keith	Holliday
Grace	Hollywood
Jon	Holton
Nicole	Holton
Xenia	Hone
Margaret J	Hone
Susan	Hooper
Ann E	Horan
Robert	Host
Donald	Howell
lris	Hudson
Hans	Huemmer
Hazel	Hughes
Imogen	Hughes
Cameron	Hughes
Jack	Hughes
Thomas	Hughes
Lucy M	Hughes
James H D	Hugo
Benjamin J	Humphry
Matthew E	Humphry
Margaret	Humphry
Jessica Lily	Humphry
Karen	Hunt

Michael J	Hunter
Andrew	Hunter
Rodney	Hurley
Peter G	Hurst
Brian T	Hutchison
Anne	lde
Jonathan	Inge
James	Ingoldby
Isabella	Ioanni
Alexander	Ioanni
Julie	Irwin
Caitlin	Jackson
Mervyn	Jacobson
Debra	Jaensch
СТ	James
Jo	James
Stephen	James
Christine	Jamieson
Rick	Janssan
Skye	Jarvis
Martin	Jefferies
Diana L	Jemson
Rodney J	Jenkins
Talia	Jenner
Pat	Jennings
Peter	Jennings
Mary P H	Jepson
Leonie	Johansson
Michael	Johnson
Nick	Johnson
Janet A	Johnston
Naomi	Jolly
Kathy	Jones
Allan	Jones
Chris	Jones
Eric John	Jones
Elizabeth	Jordan
Mark	Jordan
Peter C J	Joseph
Michael A	Joseph
Robin	Joseph
Graham	Joyce
Val	Joyce

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Tom	Kaiwahia
Sandy	Kastanos
Kaylene	Kates
Terry	Kavanagh
Ross	Kelly
Susan	Kelly
Joy	Kelly
Angus	Kelson
Anna	Kelvin
Ron	Kendall
Shylie M	Kenihan-Seppelt
Sofia	Kennedy
Norma	Kent
Colin G	Kernick
Lorraine M C	Kernick
Malcolm	Kerr Grant
Hugh	Kerr- Grant
Gareth	Kerr- Grant
Allan L	Kerr-Grant
A Neil	Killmier
Richard	Kimber
Bruce S	King
Margaret K	King
Ray	King
Valerie	King
Alan	King O B E
John	Kingwell
Linda J	Kinnaird
ΑB	Kinnear
John	Kirk
Peter	Kirkpatrick
Ernst	Kirsten
Julia	Klar
Graham	Knighton
Roger Edward	Koch
Philip	Konings
Richard P	Krantz
Anne	Krishnan
Jake	Kroker
Rosslyn L	Kruger
Jordan	Kruger
Anjalie	Kruger

Dulas	V
Rylee	Kruger
Susan	Kubank
Shane R	Kuchel
Timothy R	Kuchel
Anatoli	Kushelew
Jelle	Lahnstein
Jennett	Laintoll
Jeanne R	Laird
David C	Lake
Tatiana	Lambert
John	Lambert
ΚE	Lancaster
Miryana	Landherr
Julia	Landherr
Joy A	Langford
Roger	Langford
Leigh	Lapidge
Sarah	Last
Catherine A	Laughlin
Roger	Laughlin
James	Laycock
Henry	Laycock
Ann P	Le Cornu
Elizabeth C	Le Messurier
Marlene R	Leach
David	Lee
Colin	Lendon
Anna N	Lester
W A	Lewis
Tony	Lewis
Lyn	Lillecrapp
Carla	Litchfield
Bronwyn	Littler
Peter	Llewellyn
Beryl L	Lloyd
Matthew J	Lloyd
Sebastian Jan	nes Lorimer-Jordan
Madeleine Ma	ae Lorimer-Jordan
Peter	Lorimer 0 A M
AC	Lucas
Alison	Luke
Katrine	Lutze
Benjamin	Luxton

Rosemary Luxton Lynch Peter Lyons Joan John B Mac Kinnon ΒН Mac Lachlan Macardle Rebecca Macdonald Heather Deborah Machell Julie G Machin Pam Macintyre Mack Betty Lesley Mackenzie Mackie Janet H Mackintosh Margaret Mackintosh lan Elizabeth A Macmahon Marianne Macolino Michelle Maddaford William Maddison Henryk Madon Michael Maier Mann Peter Carolyn Manning Mansfield Kate Penelope Marsh Bob Marsh Nicola Marsh Sally Marsh Nicole Marshall Marshall Christopher Paul Martin Robert Martin David Martin Bowen Martin Julie- Anne Martin Joel Michael Martin Jessica Grace Martin Tom Matters Patricia Matthews Brian Matthews Erin Matushik Robert May May Margaret

Anne Mayo Pamela Mayo Margaret Mc Alister William Mc Connell Mc Cullagh Andrea Helen H Mc Cutcheon Marie Mc Donald Malcolm Mc Donald Stephen Mc Donald Mc Evoy Michael Margaret Mc Evoy Valerie Mc Farlane Alasdair Mc Gregor O A Mc Guinness Kevin Felicity E Mc Innes Pamela K Mc Innes Samuel Mc Kellar Drive Diane Mc Kenzie Wendy Mc Keown ΑL Mc Laughlin Robyn Mc Lean Mc Michael Briony Mc Millan Trish Mc Millan Alastair Nicholas C Mc Shane Claire Louise Mcdonald Peter Mellor Pamela Melville Anthea J Mercer Graham E Mercer Sibohn Merenda Cassia Merrett Mesecke Scott Michaelis Matt Michaelis Max Rick Michell Michell Patricia A Alison Michell Michell James Mickan Emily A Julia E Mickan Vicki E Mildren Kay I Millar

	Kathleen	Millard
	Malcolm H	Miller
	Hayley	Miller
	Mary P	Millington
	Peter	Millington
	J	Milne
	Michael	Milne
	Robin K	Milne
	Richard	Milne
	Victoria	Milne
	Charles Richa	rd Milne
	Richard Mac I	D Minchin
Μ	Nick	Minchin
	Vicki	Minear
	Kenneth W	Minne
	B John	Minney
r	Margaret J	Minney
	Carolyn	Mitchell
	Sue	Moffitt
	Jennifer	Moffitt
	Mark	Moody
	ΒE	Moore
	R	Moore
	Brook Taylor	Moore
	Henry	Morgan
	Peter	Morgan
	Anne	Moritz
	Terence	Morley
	John C	Morphett
	Jill	Morrell
	Amanda	Morrison
	Rob	Morrison
	Anna	Morrison
	Amelia	Morrison
	William	Morrow
	William A	Moser
	Jean	Moss
	Sandra	Moss
	Cameron	Mucha
	ΗW	Mueller
	Geoffrey J	Munday
	Celia C	Munro
	FI	Munro

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John	Murch
Deirdre Irene	Murch
Hamish A	Murray
Rosemary	Mussared
Anna	Naish
Andrew F	Nankivell
Julia	Nayda
Peter	Nayda
Margaret	Neagle
DJ	Needham
Murray	Ness
Anne	Ness
Clive H	Newland
Michael	Newton
Michelle	Newton
Julia M	Nicholls
Frances M	Nicoll
Susan	Nield
Kerry	Ninnes
Prudence	Nobbs
lan	Norman
Georgia	Norman
Rachel	Norris
Phillip	Northeast
Heather	Northeast
Delcie H	Norton
Marilyn (Sue)	Nudl
VJ	Nyfort-Hansen
Dianne	0' Connell
Jack	O' Connor
Lucinda	O'Halloran-Giles
Anita	Oliver
Anne	Oliver
Greg	Ormsby
Beryl	Osterman
Pat R	Ottomers
Jean V	Oughton
Maureen	Owen
EJ	Owen
Karen	P Jensen
Jeanette	Packer
G W	Page
Russell	Page

M	D I
Marian R	Palmer
Louisa	Palumbo
Phoebe	Parker
Angela	Parker
Jocelyn J	Parsons
Jann	Partridge
William	Passmore
Grant	Paterson
Adrienne W	Paton
Penelope A	Paton
RL	Patterson
Janet	Patterson
David	Patton
Susan M	Paul
Laurel	Payne
Carly	Payne
M.J.	Pearce
Lyn	Pederson
Lionel	Peisley
Ann	Peisley
Jan	Pek
Clive L	Penn
Dora	Peno
Janet	Peter
Christopher	Peters
Christine	Pettall
Sarah	Pfeiffer
Rosemary	Pfitzner
Aliceann	Philbrook
Christine	Pickard
Gordon	Pickard A M
Graeme	Piercy
Matthew	Pilla
Louise	Pinno
Keith	Pitman
Alan N	Powell
Alexandra	Powery
Josephine	Prescott
R Digby	Pridmore
Marie D	Prisk
Amanda J	Pryor
Lynne C	Pullman
JE	Pullman

-	_
Grace	Putna
Dorothy M	Pyatt
Cynthia	Pyle
Eleanor	Pyne
Deidre	Rae
Fern	Raintree
Russell S	Ralph
Rebecca	Rammell
Lynette	Raniolo
Ellen K	Rawlings
Wendy	Raymond
Reg	Read
Graham G	Reade
Renee	Rechichi
Amelia	Redman
Timothy	Redman
Lee	Reemst
Susan	Reeve
Emily	Reeve
PR	Reeves
Elizabeth	Reid
D	Reid
RTW	Reid
John- Joe	Reilly
Monica M	Reynolds
Edwina	Rice
Paige	Rice
LC	Richards
Eliza	Richards
Jed	Richards
Ruth	Richmond
Paul	Richmond
Julieann	Riedstra
Victoria J	Riggs
Barbara	Riggs
John	Rischbieth
Edward	Roberts
Chloe Catheri	ne Roberts
Frances	Robertson
Melissa	Robertson
Georgina S	Robinson
Chris	Robinson
Stan	Robinson

Fiona	Roche
Shauna	Roche
]]	Roche A M
Tyler	Roennfeldt-Phil
Robert John	Rogers
Felicity	Rolfe
Elisabeth	Roosendaal
Julie P	Rose
Nick	Rose
Mikayla	Rose- Brumby
Paul A	Rosenzweig
Sally J	Ross
Julie N	Ross- Spooner
Joanne	Rossiter
Cliff	Rothenberg
Janet	Rover
Simon	Ruciak
D K	Rushton
Patricia	Ryan
Susie	Ryan
Thomas M	Rymill
Xenia	Salupalu
Brian G	Sandow
Anna	Scammell
Pamela	Scanlon
Alison	Schahinger
Glenys	Schahinger
Felicity	Schrapel
David	Schultz
Fran	Schultz
Janice	Schutze
Raelene	Schwerdt
РJ	Scott
Paul	Scott
Heather	Scribner
Carol	Seeliger
Kaelene	Semmler
Lea	Semmler
Kathryn	Sergeant
Claire	Sewell
Robert	Sexton
David	Seymour-Smith
Frank	Share

	Nan	Sharp
	Carol	Sheldrick
	Sandra J	Shepherd
ilp	Leonie	Shore
	Henry	Short
	Rosalyn Joy	Short
	Dorothy J	Short
	Lindsay P	Shoubridge
	Fiona	Shukla
	C Robert	Shuttleworth
	Jean Elizabeth	Simon
	Sally A	Simpson
	AM	Simpson
	Conor W	Simpson
	Dashiel	Simpson
	JM	Simpson
	John O	Simpson
	Kathryn M	Simpson
	Mark A	Simpson
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	Thomas P	Simpson
	Rory P	Simpson
	Matthew P	Simpson
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	Airlie P	Simpson
	Matilda	Simpson
	Sharyn	Sinclair-
	Hannocks	
	Gisela	Singer
	Stephanie	Singer
	llona	Sisolefsky
	Siegfried	Skepton
	Lochlainn	Skinner
	Zarli	Skinner
	Elizabeth A	Skipper
า	Gert	Skipper
	Sandra	Skully

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Selena M	Smith
Ros	Smith
Derek	Smith
Rosalie	Smith
Kirsty	Smith
Gary	Smith
Margaret	Snodgrass
Ruth	Solly
Raymond I	Sommerville
Stacia	Sorensen
Jennifer	Soulsby
Robyn	Sparrow
Helen	Spencer
William E	Sperber
Lauren	Stamatopoulos
Peter	Stamatopoulos
Gretel M	Stanbury
George W	Staples
lan M	Steele
Roberta F	Steele
Wayne	Steinwedel
Elizabeth	Stenson
Ruth A	Stentiford
Helen	Stephenson
Craig	Stevens
Dianne M	Steventon
Angela	Stewart
Andrew L. J.	Stocks
Robyn M	Stokes
Andrew	Stone
Barbara	Stoneman
Peter	Strudwick
Ryan	Stuart
Beth	Styles
Barbara	Styles
Joshua	Sullivan
PFG	Sunman
Isabel	Suter
James	Sutton
Sharon	Sutton
Lars C	Sverdvik
Michael W K	Symons
Julie	Syrette

Julie	Syrette
Patricia	Тасеу
Poh Lian	Tan
Noel	Taplin
Andrew H	Taplin
Barbara D	Tapscott
Kathleen M	Тау
Teddy E	, Tayles-Ratcliffe
Ann	Taylor
Ray	Taylor
Anthony	Taylor
Janyne	Taylor
Janet	Taylor
Kristen	Taylor
Sandra	Taylor
Jayne	Taylor
Jacie	Taylor
Doody	Taylor
Christeen	Tenni- Smith
Pauline	Terry-Beitz
Paul S	Thesinger
Rochelle	Thiele
Tiahna	Thiele
Meg	Thomas
Ann	Thomas
Gareth M.	Thomas
Henry	Thomas
Fiona	Thomson
Alice	Thorn
Samantha	Thorne
Jennifer	Thurmer
Deirdre	Tidswell
Kym	Tilgals
Michael	Tilley
Suzanne	Tilley
Tamara	Tilley
Jared	Tilley
Hayley	Tindle
Robert W	Tinker
Brian S	Tinning
Karen	Toleman
Timothy D	Tolley
Marcella	Tolley

Angus D Tolley Samantha M Tonkin Joan Torode Jan Tottman Sophia Tran Nicholas Tran Liem Minh Tran Khoi Minh Tran Douglas F Treharne Trim Liza Daisy Elizabeth Trim Zara Skye Trim Gloria Trott Neil Trott Lynette Trott Valerie Trueman Ann Trueman Tulk Nicola Tunstill Bryan GΒ Tunstill Guy D Tunstill Michael Tunstill Tunstill Rodney Hannah Tunstill Kristina H Turner Iolen Michelle Turner Tuttle Jennifer A Michael Tyler A 0 Tammy D Utteridge Marijan Vade lsobel Van Bavel Amanda Vanstone Glynis Varvounis Ellie Vaughan Jennifer Vaughan D Veale Julie Verco Erika Vickery Nicolaas Visser Peter John Vovers Megan Vovers John Waddy Anne Wadlow

Arthur N Wadlow ΡF Waller Colin J Wallis Richard T Walsh Walsh Susan Mark Walton Elka Warburton- Sco Carol Ward Helen Ward Joan S Warhurst ТΜ Warnes Christopher D Watson Elizabeth J Watson CHS Watts Clive Watts Malim Watts Watts Jean Arabella Wauchope Marion Wells Timothy A K Wendt West Murray B West Karen Tiffany Westbrook Craig Westbury Gail Westlake Elisabeth Westphal White Antonia Sandra White ΜG Whitehead Whitehead Peter Whitson Peggy Allan Whittingham Whittle Terry Terri Whitworth Whitworth Tom Merri Wickes Wicks Jade Williams Thomas Williams Wanda B Carole Williams lan Williams Williams Helen Williams Mary

	Robyn	Williams
	Elizabeth	Williams
	Deni	Williams
	Sallie	Willis
	Timothy J	Willoughby
	Kirsty	Wills
ott	АВС	Wilson
	Vaughan	Wilson
	Alison	Wilson
	Susan	Wilson
	Denise	Wilson
	Jacquie	Wilson
	Keegan	Wilson
	Callie	Wilson
	Martin A	Wimmer
	Trevor W	Wingard
	Ann	Winter
	Brian	Withers
	Karin	Woithe
	Angela	Wong
	Eileen	Wood
	Trevor	Wood
	David A	Worthley
	Christopher	Wren
	Marie	Wright
	Kevin	Wright
	Jeff	Wright
	Joanna	Wright
	Wendy	Wycherley
	Meredith	Wyles
	David J	Wyness
	John	Yates
	Brian	Yeend
	David	Yeo
	Peter D	Yeo
	Susan	Young
	Carol	Zundel
	Werner	Zur Eich

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Membership Brochure

ADELAIDE ZOO

Nestled between Adelaide's picturesque parklands and the River Torrens, Adelaide Zoo exhibits more than 3,000 exotic and native mammals, birds, reptiles and fish in a magnificent botanic setting.

More than 120 years old, Adelaide Zoo reflects Victorian elegance in its original and tastefully restored architecture and many of its landmark trees. Modern habitat exhibits feature animals in spacious and natural settings and include some of the world's most endangered species.



IONARTO ZOOLOGICAL PARK

Located 70km east of Adelaide, Monarto Zoological Park is a place where free-roaming herds of African and Asian animals graze in large areas of open grassland. Many endangered species including the Przewalski's (Mongolian) horse and Scimitar-horned oryx interact and breed here as in the wild, alongside cheetahs, lions and rhinoceros.

Monarto Zoological Park is also home to many native Australian animals which live in extensive areas of natural mallee woodland.

After your adventure, enjoy a guiet browse through our gift shop or a delicious meal in our delightful bistro-style cafe.

Name MR/ MRS/ MS/ MISS/ DR	
Address	
Post Co	de
Telephone (H) (W)	
Please post this membership to: Member Me	
Future renewals should be sent to: Member Defined Me	
Automatic Renewal Option	
Please renew my membership each year by deduct annual membership fee from my credit card account until I notify you otherwise.	
Please include a tax deductible donation of \$ with my membership renewal each year. (a receipt will	be posted to you.)
Signature Date	/ /
	are tax deductib
The Royal Zoological Society of South Australia Inc requires your pe in order to provide you with information about membership services. provide all of the information requested, we may be unable to provid benefits of membership.	rsonal information If you fail to le you with the
We may disclose the personal information collected to organisations and objectives are consistent with those of the Society. However, if y we do not disclose your personal information to other organisations, the box. Please note that you are able to access personal informatic making an application in writing.	whose aims ou prefer that please tick in held by us by
I / We agree to support the Aim and Objectives and the Rules of the Society of South Australia Inc.	Royal Zoological
Please show total membership fee payable	
Joining fee	\$ 20.00*
Annual membership (individual)	\$
Annual membership (family)	\$
Life membership (joining fee not applicable)	\$ 1,650.0
Gold Annual membership (individual)	\$
Gold Annual membership (family)	\$
Corporate membership	\$
Conservation friend of RZSSA	\$
TOTAL	\$
Discourse to the second of former second	*Includes G
Please allow up to three weeks for processing	
Cheque enclosed made payable to: Royal Zoological	Society of SA Ir
or Please debit my credit card:	
Bankcard Visa Master Card (please the	ck a box)
Cardholder name	

Adult \$80 Student \$52 \$46 Child NNUAL FAMILY MEMBERSHI 1st Adult family \$80 1st Adult family/student \$52 (must be 15+) Extra family adult \$60 Extra family student \$40 Extra family child \$30 Adult \$240 Student \$156 Child \$138 1st Adult family \$240 \$156 1st Adult family/student (must be 15+) Extra family adult \$120 Extra family student \$105 Extra family child \$69 10>25 employees 10% off 15% off 26>50 employee 51>75 employees 20% off 76+ employees 25% off o join as a corpo CONSERVATION FRIEND OF RZSSA

ANNUAL MEMBERSHIP BENEFITS

Free zoo entry to Adelaide Zoo, Monarto Zoological Park, Perth Zoo, Melbourne Zoo, Taronga Park Zoo, Healsville Sanctuary, Western Plains Zoo (As well as selected other Australian Zoos)

(Featuring the latest zoo and conservation news, as well as zoo competitions and members' information)

Free one year subscription to Zoo E-news (Members only email)

One transferable pass that admits either one adult or two children to Adelaide Zoo or Monarto Zoological Park with

• The knowledge that you are supporting the important conservation work of the RZSSA

OLD ANNUAL MEMBERSHIP BENEFI

Ability to bring one person to Adelaide Zoo or Monarto Zoological Park free of charge, when accompanied by

As a Gold member you will receive all of the benefits of annual membership in addition to:

Invitation to the RZSSA Gold Member's President's Function

One A4 sized photograph of a zoo animal (one per membership, including family) Please choose from list provided on membership application form

Gold members discount on 'Behind the Scenes'

10% discount at Adelaide and Monarto Zoo Shops

Free one year subscription to Zoo Times magazin

(Excludes books, film and discounted stock)

Special 'Behind the Scenes' tours

of annual membership in addition to:

One non-transferable pass

or without the life member

Life member certificate

the gold member

Gold member's pin

programs (20% off)

As a Annual member you will receive:

CORPORATE MEMBERSHIP BENEFITS

Corporate members can join their family under the corporate membership scheme As a Corporate member of RZSSA you will receive

 Meet the keeper experience as a group (One per year and a maximum of 20 employees) No membership joining fee (Saving \$20 per person)

 Sliding scale of discount off total membership fees Discount on hiring of Zoo function facilities for Christmas meetings and conferences etc. (Subject to availability)

One edition of each Zoo Times delivered to the corporate address

Free one year subs n to Zoo E-news (Members only emai



ERVATION FRIEND O

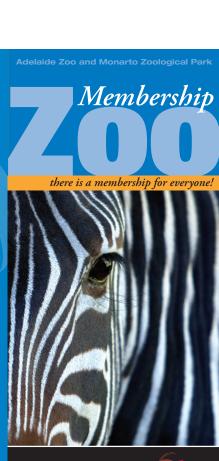
This membership is for people who no longer visit the zoo, but would still like to contribute to the Royal Zoological Society of South Australia's conservation efforts

Conservation friends do not have the visiting or voting rights which other membership categories offer. This membership 100% tax deductible

As a Conservation friend of RZSSA you will receive:

Free one year subscription to Zoo Times magazine • Free one year subscription to Zoo E-news

Certificate of conservation friendship



TO ZOOLOGICAL PARK

nartozn com au

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Application f

ANNUAL M

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Date of Birth

Telephone (H)

Yes, I would like t

For family membership

their membership cate

Address

Email

Name

Email

Name

Email

Name

Email

Name

Email

Name

Email

GOL

LIFE MEMBER

Please tick one animal that you would like a photo of:			
African lion	Anaconda	Blue & gold ma	
Emu	Giraffe	Hippopotamus	
🗌 Iguana	Sumatran tig	ger	
Oriental small-	clawed otter	Sumatran oran	
*Please note that these are the only options available			

ue & gold macaw lippopotamus imatran orangutan

ROYAL ZOOLOGICAL SOCIETY of South Australia Incorpora

Zoos

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Animal Adoption Brochure



Go Wild, un-collar an animal!)ear Animal Foster Parent.

ear Anima Poster Faren, delaide Zoo and Monarto Zoo between them, care for proximately 3,000 animals, many of these are listed as critically idangered, endangered, threatened or outherable. > suppor their conservation and breeding programs, we sperately need supporters to ensure we keep providing the sit possible care for our wildlife through the Future oo Foundation.

nimal adoption: nimal adoption: Id your Jacourite animal in the space provided). Your donation ves toward the keeping, protecting and in some cases, providing ceding programs for our animals. Some of the expenses we need • cover are feed costs, vet bills, education, maintenance, animal habilitation programs and developing better environments for ir diverse wildlife.

That do you get in return?

"bat do you get in return?" 'ow here is the fun part! Choose your favourite animal and toption level [please indicate by ticking the relevant boxes). 'you choose either level 2 or 3, we will send you an animal collar 'at fits your wild animal. Imagine the collary size if you choose hippo, or a cute merekta (collars are widely used for tracking imals for conservation and research purposes). All supporters ceive an adoption certificate, copies of "Zoo Times", and knowledgement in the Zoo. All adoptions are for one year and re tax deductible.

Tho should adopt an animal

veryone! Animal adoption makes a brilliant gift for; 'orporate clients, Christenings, Christmas, Birthdays, bank you gifts, or a gift for the person who has everything, except sumatran tiger collar.

isted on the next page are some of the animals waiting for loption. You may like to visit the Adelaide Zoo or Monarto Zoo choose your favourite animal. hank you for your support.

C.S. West

hris West hief Executive Officer





ral Zook nal Adc ly Paid LAIDE 70695 SA 5000 արկել

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Adoption Levels and Rewards • level 1 • level 2 • level 3 **\$50.00 to \$165.00** (You decide the amount you wish to give) • Adoption Certificate • Recognition on one of the official multiple supporters boards 20% discount voucher to visit vour new animal friend Your own copies of the Zoo's publication "Zoo Times

Meerkat

O Cheetah

Giraffe

Anaconda
 Aruba Island Rattle Snake
 Other

White Rhinoceros
 Bilby

Oryx
Painted Dog
Eland
Przewalski's Horse

You may choose animals not on this lis

N \$166.00 to \$550.00

Malavan Tanir

Scarlet Macaw

Orangutan
 Red Panda

Chimpanzee

Anaconda

Other_

۳

🔘 Koala

Golden Lion Tamarin
 Sumatran Tiger

Nile Hippopotamus

Car sticker

- (You decide the amount you wish to give)
 Adoption Certificate
 A collar for your adopted animal to show your friends
 Recognition on one of the official multiple
- supporters boards Software boards
 Software boards
 Software boards
 Your own copies of the Zoo's publication "Zoo Times
 Car sticker

() \$551.00 to \$2,200.00

- (You decide the amount you wish to give)
 Adoption Certificate
 A collar for your adopted animal to show your friends
- Recognition on one of the official multiple
- Your own copies of the Zoo's publication "Zoo Times
 A beautiful photo of your animal
- An information sheet on your animal
 Opportunities for you and your family to visit your adopted animal free of charge
 A personal invitation for a talk with a Zoo Keeper,
- at a time that is convenient with them Car sticker

(GST applies for corporate sponsorship. A Tax invoice will be issued.)



Delivery Addre 1 Frome Road ADELAIDE SA

"The Aim of the Society is to assist the conservation of the natural

diversity of life on Earth."

The Royal Zoological Society of South Australia which administers Adelaide and Monarto Zoos, are actively involved in conservation, research and education programes.

The Society is the oldest conservation group in South Australia.

By adopting an animal you are supporting the Society in this important work. All subscriptions go towards the conservation of animals



Roval Zoological Society of South Australia Incorporate Frome Road, Adelaide, South Australia 5000 Telephone: (08) 8267 3255 Facsimile: (08) 8239 0637



GITT

If you are purchasing this as a gift, please ind details in the form below:

Name Address

Telephone

O Me O Friend

Adoption details to be sent to: 🔵 Me 🛛 🔵 Friend

Bankcard 🔘

Cardholder:

Card number:

Signature:

If you wish, you may adopt more than one animal.

The Royal Zoological Society of South Australia Inc requires your personal information in order to provide you with information about animal adoption. If you fail to provide all of the information requested, we may be unable to provide you with the benefits of animal adoption

Name of person or organisation to appear on the adoption

Application

Name MR/ MRS/ MS/ MISS/ DR

Address

Email

Telephone

Person to contact _

supporters board:

Animals to be adopted

Form

Postcode

We may disclose the personal information collected to organisations whose aims and objectives are consistent with those of the Society. However, if you prefer that we do not disclose your personal information to other organisations, please tick this box.

Please note that you are able to access personal information held by us by making an application in writing.

Thank you for your life support for animals!









Postcode

Renewal to be sent to:

- I would like more information on Bequests.
- I would like more information on the Future Zoo Foundation donation appeal.
- Find enclosed my cheque for \$_____
- Charge \$_____to my credit card (details below) Mastercard 🔵 Visa 🔵
- Expiry date:____/____
- (*Cheques to be made payable to: Royal Zoological Society of SA Ir

- Automatic Renewal Option Please renew my membership each year by deducting the annual membership fee from credit card account (details abov until I notify you otherwise.
- ease complete this Zoo animal adoption form and return to Adelaide Zoo, Frome Road, Adelaide SA 5000. Telephone us on 08 8267 3255 with any enquiries.



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Acknowledgements

Photography

Dave Mattner

Design



For environmental reasons the Annual Report has been presented in a CD-ROM format

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Royal Zoological Society of South Australia Inc. Extracts from the audited financial reports Income statement - Year ended 30 June 2009

	Note	2009 \$	2008 \$
Revenue		φ	φ
Revenue		22,529,651	12,000,134
Total Revenue	1	22,529,651	12,000,134
Expenses			(6,966,246)
Salaries, Wages & On-Costs		(8,375,183)	(7,776,282)
Animal Care		(730,611)	(634,113)
Maintenance Consumables		(1,053,327)	(940,300)
Cost of Sales		(463,861)	(337,816)
Conservation & Research Projects		(553,851)	(419,903)
Utilities		(274,371)	(273,337)
Marketing & Promotion		(687,283)	(629,773)
Safari & Other Tour Costs		(658,765)	(674,635)
Depreciation		(971,099)	(846,089)
Loss on Disposal of Asset		(5,112)	-
Printing		(229,928)	(211,145)
Other Expenses		(1,537,123)	(751,279)
Total Expenses	1	(15,540,514)	(13,496,672)
Profit/(Loss) before Financing Income		6,989,137	(1,494,538)
Finance Income		770,642	360,688
Finance Expenses		(78,270)	(33,631)
Net financing income	2	692,372	327,057
Profit/(Loss) for the Period		7,681,509	(1,167,481)

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Royal Zoological Society of South Australia Inc. Extracts from the audited financial reports Balance sheet as at 30 June 2009

	2009 \$	2008 \$
Current Assets		
Cash and Cash Equivalents	373,621	19,200,370
Receivables and Prepayments	1,535,992	612,804
Inventories	246,229	168,572
Total Current Assets	2,155,842	19,981,746
Non Current Assets		
Available-for-sale Investments	545,188	596,737
Property, Plant and Equipment	36,330,318	16,246,464
Total Non Current Assets	36,875,506	16,843,201
Total Assets	39,031,348	36,824,947
Current Liabilities		
Loans and Borrowings	5,001,436	1,725,160
Sundry Creditors	13,998,468	23,102,011
Other Loans – Unsecured	25,000	25,000
Employee Benefits	1,327,951	1,107,297
Total Current Liabilities	20,352,855	25,959,468
Non Current Liabilities		
Loans and Borrowings	310,501	157,450
Employee Benefits	337,959	296,934
Total Non Current Liabilities	648,460	454,384
Total Liabilities	21,001,315	26,413,852
Net Assets	18,030,033	10,411,095
Reserves	-	62,571
Retained Funds	18,030,033	10,348,524

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Royal Zoological Society Of South Australia Inc Extracts from the audited financial reports Statement of cash flows - Year ended 30 June 2009

	\$	¢
	Inflows	\$ Inflows
	(Outflows)	(Outflows)
Cash Flows from Operating Activities		
Receipts		
User Charges	8,249,275	7,751,256
Donations, Bequests and Sponsorships	891,183	508,641
Payments		
Wages and Salaries	(8,067,592)	(7,622,274)
Suppliers	(6,184,734)	(4,582,027)
Other	(553,851)	(419,903)
Net Cash Provided by/(Used in) Operating Activities	(5,665,719)	(4,364,307)
Cash Flows from Capital and Investing Activities		
Purchase of available-for-sale investments	(182,859)	(87,590)
Purchase of Property, Plant and Equipment	(21,060,065)	(3,549,427)
Proceeds from sale of available-for-sale investments	119,981	398,270
Interest and dividends received	791,168	203,858
Net Cash Provided by/(Used in) Capital and Investing Activities	(20,331,775)	(3,034,889)
Cash Flows from Financing Activities		
Net Government Grants Received	3,117,135	23,226,000
Net Other Grants Received	671,223	826,853
Proceeds from Borrowings	3,429,327	1,857,604
Repayment of Borrowings	-	(50,000)
Payment of Interest	(46,940)	(33,631)
Net Cash Provided by Financing Activities	7,170,745	25,826,826
Net (Decrease)/Increase in Cash Held	(18,826,749)	18,427,630
Cash at the Beginning of the Year	19,200,370	772,740
Cash at the End of the Year	373,621	19,200,370

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Notes to and forming part of the financial statements For the year ended 30 June 2009 Revenues and expenses

	Note	2009			
		Adelaide Zoo \$	Monarto Zoo \$	Society \$	Future Zoo Foundation \$
REVENUE					
Admissions	1(c)	3,330,251	1,395,311	-	-
Education	1(c)	422,842	140,268	-	-
Sponsorship		-	-	-	285,300
Bequests	1(c)	-	-	-	430,195
Donations	1(c)	33,250	5,872	6,954	129,612
Membership	1(c)	-	-	1,483,179	-
Retail Sales	1(c)	555,732	304,442	-	-
Catering Sales	1(c)	234,853	68,729	-	-
Tours Income		127,549	164,685	8,843	-
Events		62,097	8,259	-	543,188
Sundry Sales/Income		145,856	138,349	38,030	-
Grants	1(c), 3	45,345	40,576	3,615,918	8,764,166
Total Revenue		4,957,775	2,266,491	5,152,924	10,152,461
EXPENSES					
Salaries, Wages & On-Costs		4,051,244	1,833,678	2,391,677	98,584
Animal Care		263,770	335,054	131,787	-
Maintenance Consumables		667,738	385,046	543	-
Cost of Sales		324,162	139,699	-	-
Conservation & Research Projects		-	15,863	537,988	-
Utilities		198,796	75,575	-	-
Marketing & Promotion		373,200	144,207	130,748	39,128
Safari & Other Tour Costs		48,107	610,658	-	-
Depreciation		640,630	300,469	30,000	-
Loss on Sale of Assets		3,354	1,758	-	-
Printing/Postage/Stationery		54,079	28,558	145,229	2,062
Other Expenses		237,182	155,500	638,300	506,141
Total Expenses		6,862,262	4,026,065	4,006,272	645,915

	2008
Total \$	\$
4,725,562	4,455,595
563,110	537,478
285,300	170,308
430,195	2,333
175,688	336,000
1,483,179	1,062,520
860,174	795,854
303,582	268,917
301,077	282,189
613,544	187,654
322,235	326,570
12,466,005	3,574,716
22,529,651	12,000,134
8,375,183	7,776,282
730,611	634,113
1,053,327	940,300
463,861	337,816
553,851	419,903
274,371	273,337
687,283	629,773
658,765	674,635
971,099	846,089
5,112	-
229,928	211,145
1,537,123	751,279
15,540,514	13,494,672

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Notes to and forming part of the financial statements For the year ended 30 June 2009 Net financing income

	2009				2008
	Society \$	Future Zoo Foundation \$	Life Members Fund \$	Total \$	
Interest income	714,642	581	477	715,700	159,631
Dividends, Distributions and Franking Credits	-	36,472	38,996	75,468	44,227
Net Gain/(loss) on disposal of available-for-sale Investments	-	(13,890)	(6,636)	(20,526)	156,830
Finance Income	714,642	23,163	32,837	770,642	360,688
Interest Expense	46,940	-	-	46,940	33,631
Impairment of available-for-sale Investments	-	20,065	11,265	31,330	-
Finance Expenses	46,940	20,065	11,265	78,270	33,631
Net Finance Income	667,702	3,098	21,572	692,372	327,057

The financial report for the year ended 30 June 2009 has been prepared in accordance with Australian Accounting Standards, (including Australian Interpretation) adopted by the Australian Accounting Standards Board ("AASB") and the Associations Incorporations Act.

*Copies of the audited financial statements for the year ended 30 June 2009 are available to members on request.