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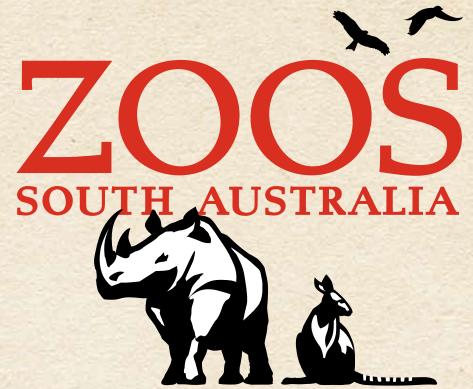
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SOUTH AUSTRALIA

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Anniversaries and Renaissance

This year we have been celebrating anniversaries, with 130 years since the Society was founded in 1878, and 125 years since Adelaide Zoo was opened to the public. These milestones allow us to think about where we have been and where we are going.

The Society's aim of conservation is the same as it was back in 1878, except that today we are facing an extinction catastrophe not seen before in human history, where bio-diversity is not just fading away, it is collapsing. So, today our aim of conservation is coupled with an urgency to loudly beat the drum at our Zoos, balancing this grim message with fun and entertainment, bringing about an emotional connection between our visitors and wild life.



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In doing so we can educate and inform the public about leading a greener lifestyle, and linking to conservation programs, with the real possibility of saving the remaining wild animals and wild habitats on our planet. This year has seen impossible dreams come true at Adelaide Zoo, triggered by the Giant Panda partnership with the Peoples Republic of China. Adelaide Zoo has not had a major upgrade in it's history, and with the arrival of 'Funi' and 'Wang Wang' in 2009, a major upgrade became an urgent requirement.

I would like to acknowledge the Federal Government's funding support of the Giant Panda Conservation partnership with China, and also the State Government of South Australia providing \$18.9 million for the Adelaide Zoo upgrade.

We are embarking on a 'Renaissance' at Adelaide Zoo with a magnificent Entrance Plaza complex facing Botanic Park, featuring walkways and landscaping linking to the Torrens. A Conservation Centre, Amphitheatre and Cafe/Bistro will make the Zoo Entrance a greater attraction, within Adelaide's extraordinary Cultural Precinct.

The Panda enclosure is innovative and visually exciting, with a winding path through mature trees (The Giant Panda Forest) enticing visitors to view 'Funi' and 'Wang Wang' in their new spacious home.

Australia's Chinese Ambassador planted a 70 year old elm to mark commencement of the Panda project, being a symbolic blessing of the partnership between China and Adelaide Zoo.

The Westpac EnviroDome is underway and will provide much needed extra space for students, plus an interactive learning centre focusing on today's global environmental problems. Permanent tents on the roof garden, will be an exciting addition for student sleepovers.



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At Monarto, the Chimpanzee enclosure and habitat is well underway, and an opening ceremony by Jane Goodall will launch the project in October. The complex will be completed early next year in time for the chimps arrival.

The platform between the Painted Dogs and Lions at Monarto will be completed for the October school holidays, and is a spectacular construction, with walkways elevated to allow magnificent viewing of animal interactions.

The Serengeti Project is proceeding well, under the strong leadership of Rob Gerard.

Any one of these projects would be considered ambitious for one year, but we are managing to meet the challenge of 3 major projects at each site concurrently, thanks to an extraordinary team of Executive and Staff prepared to go that extra mile.

I would like to thank sponsors and donors, from school children, who fund raise to sponsor an animal, to major benefactors and corporates. Thanks to Angelique Boileau, Chair, Project Panda committee, and to our brilliantly diverse and talented Volunteers, who are at the 'coal face' in dealing with visitors at Adelaide Zoo and Monarto.

I would also like to thank my hard working and supportive Board, in what has been a busy year.

We are in the midst of an exciting 'Renaissance', and with over 20,000 members, and ever increasing visitor numbers, we are entering a 'Golden Age' at Zoos South Australia, and it is a privilege to be President at this time.

Heather Caddick

President, RZSSA



Operations



Looking back over the last 12 months an initial feeling is one of where did the time go?! Further reflection demonstrates that as time has flown by the Zoos SA team has been extraordinarily busy. Busy in a way that is both unprecedented and unlikely to happen in quite the same way again. Busy in a way that, when one takes stock, has been amazingly productive. Through all of the attraction of new friends, supporters and sponsors and government recognition and finance of two new model zoos, we always keep in mind our reason for existence, conservation, "the securing of a sustainable future for endangered species and their habitats".



Operations

Over the last year we have bred endangered species (especially Australian) and been crucial partners within science-based field research and reintroduction programs. Our direct conservation input is growing, against a worsening backdrop and bleak projections globally as the existing apocalyptic horsemen of habitat destruction, hunting, pollution and disease are joined by the massive spectre of climate change induced extinction. We are extending our range to include frog and fresh water fish projects and continuing to support and influence global projects. But, and it is a significant "but", all of this science and collaboration and growth will not realize its full potential unless wider society knows more about the imperative for conservation and environmental stewardship. A key role for conservation organizations like us is to make a strong emotional connection between individual people and nature and to translate this feeling into action. So the last year for Zoos SA has witnessed a major investment in development of new interpretation and a new web site.

I have not mentioned specific highlights or projects as they are detailed elsewhere. There are so many and sincere "thank yous" are due to everyone. The Next twelve months will be perhaps the most momentous of the Society's recent history. The teams are running hard and through it all we are keeping our minds on our conservation purpose. What we do is vital so I will finish with a final thanks to all our members... and a request to them all to find a new member – just one each will take us to over 40,000 members!

Chris West

Chief Executive

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



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Conservation and Research

Native programs continue to be a primary strength of Zoos SA research and conservation activities, with staff working with a wide range of species and at a variety of locations. This year has seen the continuation of many successful programs, with some entering new stages, as well as the development of new ventures.

The iconic Tasmanian devil has been the focus of an intensive breeding program on the mainland of Australia due to the threats faced by the wild animals in Tasmania due to devil facial tumour disease. Zoos SA is part of this program with a breeding colony maintained behind the scenes at Monarto Zoo. Last year, the first attempt at breeding with this colony, saw a single young produced, but this year the success rate of this project has increased, with five new young coming through. The aim for this program is to maintain a population of 1500 animals on the mainland, a big ask, but something Zoos SA is committed to being part of.

The successful cross-fostering program with the brush-tailed rock wallaby has now produced enough young that the next stage for the program is a release into the Grampians. Crossfostering with Gilbert's potoroo is continuing, and has had increasing success with the colony of surrogate long-nosed potoroos being maintained near the Albany, reducing the time spent off teat for these precious young. Cross-fostering with mainland tammar wallabies was put on hold for a period while a disease outbreak was investigated. Wallabies were found to have macropod herpes, a disease which is found in a range of wallaby and kangaroo species, and after investigation it has been determined that the disease poses little risk to the reintroduction program with a fourth release now being planned for Innes national park.

Two relatively new projects that Zoos SA have been involved with black-flanked rock wallabies and camels have broadened the reach of our conservation and research programs to the north-west of SA. Black-flanked rock wallabies, or warru, are of special importance to the Anangu people, and this project has provided opportunity for traditional knowledge to combine with scientific knowledge to protect this species. With less than 100 animals known to exist in SA, a collaborative project between the aboriginal community, government and Zoos SA is helping to increase numbers of this species as well as understand more about their biology in the wild.

Camels are a feral species in Australia which are found across a large part of arid Australia. The remoteness of much of their range, as well as a limited understanding of their movement patterns and impact on the Australian landscape, means we have a limited understanding of how to best manage this species. By using a helicopter to dart an individual per group, which is then fitted with a GPS collar, we can gain an understanding of movements of this species, helping to define best practice management.



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Survey work being conducted in the Kimberleys is discovering new information about one of our nations vast wilderness areas. Information on species presence and habitat preferences provides baseline data that is being used to identify priority areas for conservation, as well as inform management regimes for grazing, fire and invasive species. This work has already discovered two undescribed species of rodents, as well as several species of reptiles.

This year saw an exciting development with the captive breeding program for woma pythons with a group of animals released into Arid Recovery at Roxby Downs. Although animals were unable to establish at Arid Recovery due to interactions with the existing mulga snake population, the project did provide a lot of useful information for future work with endangered reptiles, and has revealed gaps in our knowledge of reptile interactions.

Another new project which highlights some of the issues associated with protecting species is with the Yarra pygmy perch which was only discovered seven years ago, but is threatened by declining water levels in the lower lakes of the Murray. Fish were captured and brought into captivity for a breeding program but the single population was struck by disease and only a single individual remains from that captive population. This project highlights the importance of multiple, preferably large, populations for species survival and the need for a good understanding of species in order to best manage them – something we often lack for many native species. Work continues on long-term study populations of southernhairy nosed wombats and pelicans, with the long-term nature of these projects providing opportunity to answer questions about the role of environmental variation that can only be assessed with a large dataset. The value of these datasets has been recognised through Zoos SA's involvement in another project that has been running for 14 years, the SA Frog Census. The program has been run by the Environment Protection Authority, but Zoos SA has now taken over the project and is working with government to make this program a web-based system (www.frogatlas.com.au) that provides information to the statewide fauna database.

As usual there has been a lot of research activity in the area of conservation medicine; from continuing studies of diet, colouration and health in birds, to the value of measures of anti-oxidant activity in monitoring stress in a variety of species. Investigation of disease outbreaks, both in captivity and the wild continue as needed, with some presenting opportunities to collect information on poorly studied species. For example, a sealion that is well known around Adelaide beaches became ill and Zoos SA vets were called in to check on Henry, providing opportunity for fitting a GPS transmitter that then allowed for the collection of movement data on Henry. This ended up with Henry getting his own website that allows members of the public to track their much loved friends movement <u>www.henrythesealion.com</u>

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Despite the focus on native species, involvement with international programs continues. Fundraising and awareness raising also continues for a variety of other international projects including cheetahs, orang-utans, tigers, Jane Goodall Institute, Save the Bears, as well as the issues associated with palm oil and the bushmeat trade.

This year saw Robin Lines from the Namibian Wild Dog project visit Zoos SA to talk about his work, which is supported financially by Zoos SA. Work with African Wild Dogs in Zimbabwe has also been supported through fundraising campaigns linked with the Education department's Planet Keeper program as well as an art exhibition "Creating for Conservation".

Dr Emilia Lastica from Flora and Fauna International Philippines also visited to further develop links with Zoos SA in regards to fundraising, potential reintroductions as well as training opportunities. Several Zoos SA staff also visited the Dr Lastica in the Philippines to exchange knowledge and deliver provisions for their continuing work. This relationship is a continuation of expertise sharing undertaken by Zoos SA staff on previous visits to the Philippines.

Staff

The research and conservation staff have had another busy year with some new developments seeing stronger links being developed with each of the local universities.

Greg Johnston has taken on a joint position with Flinders University, increasing his teaching involvement as Senior Lecturer in Biodiversity and Conservation, while continuing his research work with Zoos SA.

David Taggart continues his long-running research and conservation work with native species.

Carla Litchfield, a psychologist at UniSA, has an adjunct position with Zoos SA as a Conservation Psychologist. Part of her work is looking at how people's experiences with wildlife can be targeted to develop pro-conservation attitudes and behaviours, as well as looking at optimal design of captive environments so as to reduce stress and maintain the behavioural diversity of animals.

Wendy Foster but has completed her PhD and is now working full-time as the Science and Conservation Coordinator, with an affiliate research position at the University of Adelaide.



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Future Planning

Work continues on the development of a targeted strategy for increasing Zoos SA involvement in conservation and research, both through targeting areas in which Zoos SA has a strong skill base as well as developing a means to fund this work, and its expansion, into the future. Venture such as the Boileau behind the scenes tours are one means by which Zoos SA's conservation activities are funded, with 10% of the tour price going into a conservation fund.



Research Students

With 31 student projects being supervised by Zoos SA staff and financial support provided to four student projects, it has been another very busy year for the research students. This last year saw thirteen projects started and another eight projects completed – congratulations to those finishing students. Students have been involved in a wide range of projects as can be seen below, with many hours spent in the field and lab as well as at the computer analyzing the data and writing up theses.



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Commencing honours students

Alice Dunbar	"Function of spots in Diamond Firetail Finches"
Jade Adams	"Population dynamics of urban marbled geckoes (Christinus marmoratus)"
Michael Geen	"The influence of colour and size on thermal ecology of reptiles"
Jennifer Munro	"Sexual dimorphism in the scorpion, Urodacus elongatus"
Monika Szokalski	"An observational study investigating the impact of different husbandry and housing practices on the behaviour of Sumatran tigers (Panthera tigris sumatrae) at two Australian zoos"
Hayley Tindle	"An investigation of the behaviour of Cheetahs <i>(Acinonyx jubatus)</i> during a supervised human-animal interaction (experience at Monarto Zoo), and its impact on conservation attitudes in humans"
Danika Smith	"Mate choice in the greater bilby"
Steve Debrincat	"The effect of stressors on antioxidant levels within southern hairy-nosed wombats"



(Flinders)

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(Melbourne University)

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Completed honours projects

Beiha-Malen Yanez	"Ecology of Brush-tailed Possums in Urban Parklands"
Ingrid Stirneman	"Dietary carotenoids, immunocompetence and reproductive success in Diamond firetail finches"
Alice Dunbar	"Courtship colouration and reproductive success in the endangered Diamond firetail finch"
Emma Richards	"A comparison of behaviour of African lions Panthera leo housed at an urban (Adelaide Zoo) and an open-range zoo (Monarto Zoo)"
Jasmin Peacock	"A comparison of behaviour of African wild dogs Lycaon pictus housed at an urban (Adelaide Zoo) and an open-range zoo (Monarto Zoo)"
Nicola Galatis	"Effectiveness of non-food-related environmental enrichment for captive common Hippos Hippopotamus amphibious"
Elissa Pearson	"A systematic investigation of the behaviour and social interaction of Orang-Utan Pongo Pygmaeus abelii and Siamangs Hylobates syndactylus in a mixed-species exhibit at Adelaide Zoo"

Commencing masters student

Clare Death "Plasma half-life of macrocyclic lactones in southern hairy-nosed wombats - towards a treatment for sarcoptic mange"



(University of Adelaide)

(Flinders University)

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Commencing PhD students

Angela McGuire	"Do mallee whipbirds have individually recognisable calls?"	
Natasha Spate	"Renal failure in koalas in the Adelaide Hills; the significance of oxylate necrosis"	
Corinne Mensforth	"Primate behaviour in off-exhibit areas"	
Elissa Pearson	"Changing human attitudes and behaviour in order to help save orangutans"	
Continuing PhD students		

Continuing PhD students

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"
Elisa Sparrow	"Effects of long-term isolation and habitat fragmentation on wombat populations in SA."
Joanne Davis	"Control and psychological well being: an investigation of the concept of choice in captive primates"
Bradley Smith	"Investigating the cognition of the Dingo Canis lupus dingo"
Amanda Gaskell	"Assessing the effectiveness of non-lethal methods of controlling pest parrot species in Australia"



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Laura Ruykys	"Ecology of warru (Black-footed rock-wallaby) in the Anangu Pitjantjatjara Yankunytjatjara (APY) Lands"
Liberty Olds	"Rodents and dasyurids of the Kimberley area, WA"
Sally Potter	"Phylogeography of rock wallabies in the Kimberley area, WA"

Completed PhD students

Wendy Foster "Reproductive biology of Red-tailed phascogales"

Student Grants

Four student grants were awarded by Zoos SA in 2008:

Danika Smith	"Reproductive and genetic studies of the greater bilby and eastern barred bandi
Jennifer Munro	"Urodacus elongatus an endemic Flinders Ranges scorpion"
Jody O'Connor	"Conservation of Darwin's finches: responding to early warning signs in threater
Mike Geen	"The relative importance of body colour, size and posture on thermal biology of colour polymorphic snakes"

Wendy Foster

Science and Conservation Coordinator



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Veterinary Conservation Programs

It has been a very busy year in the Animal Health Department as we build a strong base for the Veterinary Conservation Programs we want to develop.

We continue to upgrade facilities and equipment and have with the support of the Zoo volunteers obtained a brand new x-ray machine and a -80°C freezer to store valuable samples.

Work continues to grow - the Animal Health Department now provides veterinary support for Cleland Wildlife Park, Nature Education Centre, Seabird rescue, Bat rescue, Gorge Wildlife Park, local support for the SA Department of Environment and Heritage (DEH) and continues to see wildlife cases brought into the zoos by members of public.

One particular interesting case was Henry the Sealion who had been losing condition for a period of time. Lynley Johnson and Wayne Boardman, working in collaboration with DEH, SARDI, SAM, health checked this local icon under anaesthesia and a satellite tracking attached. Henry became even more famous when a website was set up to track his activities in our seas – <u>www.henrythesealion.com</u>.

As always it has been a great pleasure to welcome visitors from overseas who have come to learn some new procedures and techniques. Dr Rachmad Wahyudi from the Sumatran Orang utan Project in Sumatra spent several weeks at AZ and MZ and Dr Emilia Lastica from Flora and Fauna International, Phillipines visited. Dr Phil Clark, eminent clinical pathologist from WA visited to discuss collaboration on a book and Dr Anne Fowler from the University of Sydney Wildlife and Conservation Centre also visited.

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

This year for the first time we have a honours student from Melbourne University Vet School, Steven Debrincat who is studying health parameters in wild Southern hairy nosed wombats – this is part of our desire to expand our veterinary related research. Clare Death who is doing her masters project on the pharmacology of drugs to treat mange in wombats and Tasha Speight is undertaking a PhD in the diseases of koala in the Adelaide hills. Further collaboration is continuing with Flinders University and UniSA.

We also had discussions with the SA division of the Australian Veterinary Association to collaborate on a project to provide wildlife veterinary support for vets in practice and staff collaborated with the Veterinary Nurses Council of Australia to run a one day course on an introduction to avian emergency care.



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One very significant and exciting development has been the opening of the new Adelaide University Veterinary School. It is early days yet to say what role the Animal Health Department will play in the new course but we hope there will be a fully integrated course which features wildlife health and disease, environmental issues and conservation medicine. Wayne Boardman is presently on the Curriculum Committee and the first veterinary student has spent two weeks on section learning about the husbandry and management of native wildlife.

Its very opportune at this stage to say a special thanks 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 veterinary team and all the external specialists who have helped us over the past 12 months. In particular we would like to thank Dr David Clarke, veterinary dentist, Dr Pam Carroll, diagnostic imager, Dr Andrew Loose, equine specialist, Prof Tim Mahoney from the Univeristy of Queensland, Dr Penny Tisdall from the Adelaide Veterinary Specialist and Referral Centre, physicians Drs Randall Faul, Andrew Lee, Jonathan Martin and John Nyirios from Dr Jones and Partners, Dr Ruth Reuter and Christine Williams and Gribbles and IDEXX labs.

Staff Activities

Because of our expanding role we were able to employ a locum zoo veterinarian Matthew Twitchett, for six months. Matt had a particular interest in operant conditioning of animals and developed a manual for Adelaide and Monarto Zoos.

Recently we welcomed zoo and wildlife veterinarian David McLelland to Zoos SA in late July. David completed a residency at Metro Toronto Zoo and Guelph University in zoo and wildlife medicine and pathology and has worked in a number of zoos in the region.

We also welcomed experienced wildlife veterinary nurse Mishelle Pederson who started work at Adelaide Zoo and then transferred to Monarto Zoo.

David Schultz continues to work one day per week as Project veterinarian with special interest in the Brush Tailed Rock wallaby recovery programme and Sue Bigwood continued to work as the convenor for the Australian Wildlife Health Network (AWHN), a very important liaison role in South Australia.

Wayne Boardman has been appointed as senior fellow for the University of Melbourne Veterinary School, Wildlife Disease Association council member and ARAZPA Veterinary specialist advisory group convenor.



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Significant Clinical Activities

David Schultz, Sue Bigwood and Ian Smith attended the Australian Wildlife Disease conference in Dryandra. Ian presented two papers on the theme of Health monitoring and disease investigation in conservation programs and species recovery programs, Wayne Boardman attended an ecohealth workshop and Dianne Hakof attended the Veterinary Nurses Conference in the Gold Coast where she gave a talk on fracture management in a siamang.

Ian Smith and Wayne Boardman took part in DEH led field trips to the APY lands in NW SA to trap warru, obtain iti warru for cross fostering at Zoos SA and to undertake health checks on the population. The trip was very successful and we now have a captive population of 20 animals.

lan also provided key veterinary support for other DEH projects including the Mainland tammar reintroduction project into Innes National Park and brush tailed bettong disease research on St Peters Island.

Wayne Boardman was the consultant veterinarian working with Dr Mark Lethbridge from Flinders University, Rural Solutions of PIRSA and DEH to satellite track dromedary camels also in the APY lands. The aim is to find out more about the ecology of this introduced species in order to determine suitable control measures. A major issue which curtailed much of the cross fostering programmes for the mainland tammar wallaby project was the discovery of macropod herpes virus infection which affected the cloaca's of large numbers of wallabies. A teleconference was attended by David Schultz and Ian Smith with Healesville vets to discuss the impact of the herpes virus on other endangered species in captivity and in the wild

A female SW rhino (A89031) arrived successfully from Perth Zoo, but upon unloading was seen to regurgitate food and water. Similar clinical signs had been seen previously and they had improved rapidly without intervention; unfortunately this was not the case on this occasion. The symptoms continued into the next day despite medical treatment to alleviate what was thought to be an oesophageal blockage. Intervention was attempted under anaesthesia but the animal died during the procedure. A necropsy carried out confirmed our presumptive diagnosis of oesophageal obstruction; given the extent of the blockage the problem was inoperable.

An Australian sea lion rescued from the south coast of SA was hard raised and moved to Coofs harbour in January.



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Irian, the male Siamang was noted to have sustained a fractured radius and ulna which required plating at the Adelaide Veterinary Referral Centre. The would was infected and caused him to bite the wound. Conditioning and the use of bandages and drugs reduced the impact of self mutilation. He is now trained to have regular radiographs taken without anaesthesia and it is hoped he and his partner Suli can be moved back to their enclosure as soon as possible

A major outbreak of a 'herpes' like disease affected all three Malayan tapirs. The syndrome has been seen in Australia zoos, is characterised by ulceration of the oroproboscid, eyes, mouth and coronary bands. All animals were anesthetised to investigate the disease. Sulong required a third eyelid flap to help resolve the keratitis and corneal ulceration.

After the successful birth of two lion cubs to Kiombi, we were expecting further cubs to be born to Kiamba. However, she developed a dystocia and needed an emergency caesarian section. Unfortunately all four cubs were stillborn.

However we continued to have issues with the lions – both cubs developed ataxia and a diagnosis of vitamin A deficiency was made and both parental and oral treatment were instigated with no recurrence of the clinical signs.

Another significant outbreak of ringworm caused by Microsporum gypseum in several species of marsupials. A novel treatment using lufenuron, a flea treatment, was used successfully to treat the condition. The Malayan sunbear, Dewi has been under treatment for many years for atopic dermatitis. However she then developed an upper respiratory disorder. Examination under general anaesthesia revealed a mammary carcinoma which was removed, infected teeth which were cleaned and extensive gingival and nasal hyperplasia. Once the drug treatment for the dermatitis was removed, the condition improved.

The Woma pythons which had been ear marked for release into the Arid Lands Recovery program in Roxby Downs were tested for ophidian paramyxovirus overseas. Results were negative and based on this and the very long quarantine period and other health checks, they were released. Radio transmitters were implanted surgically so they could be tracked once released. Unfortunately the pythons fell fowl of mulga snakes in the park.

Nine orange bellied parakeets were quarantined in the Animal Health Centre and three were translocated to Taroona to be released following pre export diagnostic evaluation. This is a great contribution to this critically endangered species

Staff across both properties continued to be involved in the Brush tailed rock wallaby and Warru cross fostering programs which has continued to support the population of this endangered species.



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Assets and Infrastructure

A number of new and exciting projects were started over the past twelve months with the completion dates to be in the new financial year also many small projects were completed.

Monarto

The Lion and Dog Platform will give visitors an opportunity to get up and close to the Lions and Painted Dogs under a shaded platform; this project will be open for the September School Holidays for every one to enjoy.

The Off limits holding yards are also being constructed for the movement of animals from Adelaide to Monarto while also providing a greater flexibility for the management of animals within the park. The yards that are being constructed are eight yards all interlinked with shade and wind protection for the animals.

The Chimpanzee Exhibit is under construction with the contractors working at a fast pace and enthusiasm for this wonderful project. Again once completed visitors will be able to get up and close with the chimpanzees looking through the viewing glass in to the night quarters or by looking out from the deck in to their 3000m2 enclosure.

Stage one of the new meat store was completed with the installing of a new large fridge for occupational health and safety reasons.

Adelaide

Envirodome is currently underway which will provide the Education team a new learning centre and tented rooftop accommodation. This will also provide the Zoo with a new Library and office accommodation for the Interpretation staff who will be managing the new Envirodome exhibit next door. The highlights of this building is the design criteria which was to be an ESD building to ensure that it was reinforcing the conservation efforts the Zoo undertakes.

The Bug Barn received a small face lift with new exhibits being displayed and electrical alterations being completed.

The Reptile House was repaired which had encountered a termite attack to the entrance of the building.

The Main Rotunda was touched up with paint repairs to the handrails and balustrade.



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Monarto Zoo's major projects

Zu-Loop

Zu-Loop is the name given to the experience which gives visitors the opportunity to get up close to many of Monarto's more charismatic animals. So not only can our visitors still have a guided bus tour through Monarto's many open range exhibits, they can now also spend more time with their favourite animals. This has been made possible by the construction of bus stops and viewing platforms strategically placed through out the zoo all connected by walking tracks and a commuter bus system called Zu-Loop.

A network of five stops has been planned starting from the Visitor Centre – so far three are operational – these are:

The Waterhole – a viewing deck now extends some 140m into 'Africa' from which herds of Giraffe, Eland, Zebra and Waterbuck can be seen and where twice a day visitors are offered the opportunity to hand feed giraffe as part of a Keeper talk. This is also the location of our Waterhole Function Centre

The Bomas – this bus stop services the White rhino and Cheetah habitats where opportunities to touch both species have been made possible through a combination of Keeper talks and behind the scenes experiences. All day viewing is now also possible for both species Windana – this year's project, Windana is the venue where visitors can spend time with our Hyaena clan, African wild dog pack and Lion pride. Zu-Loop will get you there as will walking tracks from the Bomas bus stop. There are two covered viewing decks and a staff and volunteer office and public toilet. This deck will be manned all the time so will also ensure continuos communications with the Visitor Centre and first aid care if required

Two other bus stops are in the planning process, namely at the Black rhino exhibit and at the Bretag scrub (where many of our native animals and conservation species will be able to be seen and where night walks may be possible)

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Chimpanzee habitat

this exciting new experience is now nearing completion (planned for opening December 2008) and will eventually be home to up to twenty Chimpanzees. The complex comprises a large chimpanzee house and a 3,000sqm 'open range' exhibit situated adjacent to the Visitor Centre on the hill over looking Rock Gully Creek. Visitor viewing is by raised walkways and also through armoured glass into the principle Chimp playroom. This room is over 600cum and will give the Chimpanzees the option of coming indoors on days of inclement weather. The building is evaporatively cooled and has hot water under floor and in wall heating. It is also the first Chimpanzee house in Australia to adopt a deep litter system in the main Chimp area. This is a one metre deep, one hundred cubic metre floor area comprised of bark and bark chip layers which provide not only a comfortable floor surface for the animals but also an area to forage and nest. Overseas research has shown this type of floor cover reduces aggression in the group and is significantly healthier than the more traditional concrete wash-down areas used in most Chimp house. It will also significantly reduce the amount of water used for cleaning purposes.

The building has an internal fire fighting and litter misting system and additional areas are provided for chimp introductions as well as an at rear exercise area. The exhibit itself employs a 4.5m high fencing system with over twenty hot wires (solar and mains powered) for containment and slopes away upwards from the Chimp house allowing for eye level viewing between visitors and Chimpanzees. There will be a small recirculating creek and lake and an arboreal system of poles, ropes and platforms.

The second level of the building has a viewing verandah where visitors can see both into the exhibit and into the Chimp playroom area through 39mm thickened glass. On the other side of this glass is a raised mezzanine area where the Chimps can come eye to eye with the visiting public. This verandah area is reached by a raised walkway that continues on past the building to the hill and up a new walking track and on to the Waterhole via the Ridge walking track

Initially eight Chimpanzees are being brought together from around the world, one from Adelaide, two from Wellington, one from New South Wales and four from Holland. Introductions will be a complicated process but it is hoped that these will commence in December 2008 and be completed by May/June 2009. Breeding will then be encouraged until the group numbers fifteen to twenty.



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CHIMPANZEE EXHIBIT

Phillips/Pilkington Architects Pty Ltd

ETHgh Street, Kansington, South Australia 5068 Telephone (08): 8364-3644 Factomile (08): 8364-4009 www.philpspikington.com.au schliefenhilespikinton.com.au

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The Serengeti

This is another exciting development still only in the concept/ planning stage that will provide zoo visitors with a very realistic safari experience where they can see large herds of African animals in a huge drive through open range habitat. It will provide a home for our white rhinos, our currently off exhibit herd of male giraffe, perhaps troops of baboons and many other species in an area many times that of our current 'African Plains' habitat. It will also provide a venue for long anticipated tented camp and safari lodge style accommodation at Monarto.

At the moment a team of dedicated business leaders lead by Rob Gerard AO is in the process of raising core capital to get this project off the ground.

Other areas of development at Monarto – there are many other planned areas for development at the zoo including a new front entrance, new car parking area, new meat store and preparation, new ungulate off limits facilities, track and bus stop shelters, road works, bistro extensions and much more.

Peter Clark

Senior Curator





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Conservation Education

Education has had a busy year at both Zoos, with changes to facilities driving interest in Education programs.

At Monarto, interest in the Indaba Bush Camp is growing. This year it has been used for overnight stays by Education groups ranging in age from Junior Primary to University and community groups such as Scout and Guide troupes and some Festival of Arts events. Indaba is deliberately "rustic" in nature and very well suited to connecting campers with nature. Daytime use has included Education programs such as Helping Hands, Team Building and Leadership.

Indaba's remote location is an asset in most ways, but it also precludes its use as a general "classroom" area for day programs – something that is sorely needed at Monarto in foul weather.

At Adelaide, staff have watched the old Apes' enclosure "morphing" into the Westpac Enviro Dome. This facility will be in constant use from the start of next year. It will be fantastic to be working with students in a building which has been recycled for environmental education – rather than being turned to rubble, removed and a replacement building built from all new materials, made using new resources and huge amounts of energy!

What a great starting point for educating about living sustainably and reducing our environmental footprint on the Earth!

The Westpac Enviro Dome will feature 2 huge rooftop gardens. The one above the classrooms will be a tented area, allowing us to offer overnight Education programs to secondary schools for the first time. The Zoo Events staff will also use this facility for regular "Roar n Snore" programs for the general public on weekends. The view from the roof is fantastic!

Other physical changes have been occurring at both sites, which impact on Education visits. In some cases, such as the opening of new viewing areas at Monarto, new resources can be written and student groups have the opportunity to be involved in landscaping and development of these areas.

The Work Experience program for Year 11 and 12 students has been expanded this year to involve 80 students working with keepers for a week. This work is in one of 3 locations: Monarto Zoo, the Children's Zoo at Adelaide Zoo or across 5 different rounds at Adelaide Zoo. The program is very competitive, so the quality of students who gain a position is generally very good, and their efforts are appreciated by keeping staff.

The Zoomobile successfully trialed a country expedition this year, housing the animals overnight in a suitably adapted room at Monarto Zoo. This base provides access by Eastern Fleurieu, Murraylands and some Hills schools, kindergartens and aged care facilities which are too far from Adelaide to transport the animals normally. Next year a country tour will be built into the Zoomobile schedule during each season.



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The Interpretation team, led by Michael Shanahan, has had a very busy year. Some project areas include

Major new precincts, such as the new Adelaide Zoo Entrance, Pandas and Monarto Chimpanzees

The Visitors Centre of the Westpac Enviro Dome. This will be a wonderful area for people of all ages to visit, with fun, amazing and thought-provoking interactives. The whole experience should be one which motivates people to take positive action for the environment.

New signage has been developed and installed at Monarto to inform visitors about Meerkats, Cheetahs, Southern White Rhinos, Lions, Hyaenas and Painted Dogs, and to direct people along the extensive walking tracks between the Bus Stops.

The website has had a major upgrade and a new website will be launched in November. This is now the most common and important way that people get information about the Zoos.

Much new signage, both temporary and permanent, has been developed for Adelaide Zoo.

In October 2008, the 19th Biennial Conference of the International Zoo Educations Association will be held at Adelaide Zoo. Over 80 participants from all continents will be coming to Adelaide for a week. This is a wonderful opportunity for Zoos SA Education staff to meet these Educators and to share their ideas, experiences and programs. It is also a great opportunity for Zoos SA to showcase its own facilities and programs. John Gardner is on the IZEA board, representing the educators of the Australasian Zoos association, ARAZPA. He has been very involved in the planning and organization for this conference, with support from the rest of the Zoos SA Education team.

Zoos SA Education is grateful for the ongoing support of volunteers and sponsors in helping our programs to operate smoothly and effectively. DECS continues to fund two of the staff positions and in partnership with Westpac, has had a major input into the funding of the Westpac Enviro Dome. At Monarto, the commentary on the Safari Bus tours is provided by the volunteer guides and at Adelaide, the Zoomobile and Zoo Schools use volunteers regularly.

Finally, the huge range of inspiring zoo education programs could not operate without support from Zoo keepers and other Zoos SA staff. Their continued support, despite the occasional hiccup with over-curious or inattentive students, is evidence of their commitment to conservation and the need to educate the next generation of adults to be positive about animals and the environment.

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The Library is included within the Education Service. It provides a service primarily to the Zoos SA staff and volunteers and in a secondary role to researchers, students, Society members and members of the public.

During this financial year the Library has been preparing to move to its new premises in the EnviroDome.

ARAZPA Libraries Network

The Library is a member of the ARAZPA Libraries Network, a sub-group of the ARAZPA Education Advisory Group. The major project for the year focused on the ongoing development of the Network. That entails in the first instance creating guidelines and a database of resources for ARAZPA member institutions. This work relies on the strong collaboration with all ARAZPA Libraries Network members.

Staff development

The Librarian Silvia Muscardin presented The way we were ... they way we will be: how the preservation of the past sustains the collections of the future, a paper co-authored with Lindell Andrews, Animal Records Officer, at the ARAZPA Conference in Sydney (March 2008).

In September 2007 Silvia was awarded the ALIA Silver Pin in recognition of her service on an ALIA Committee for five years. ALIA is the Australian Libraries and Information Association.

Acknowledgements

The Library would like to acknowledge the assistance of Society staff and volunteers, and of members of the ARAZPA Libraries Network and thank Society members and members of the public for donations of historical material and information that enrich the knowledge of the history of the Society and of the zoo.



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Botanic Estate

The Horticultural department have during the past twelve months been busy transplanting trees and plants located in the soon to be Panda site. Several large trees and palms have been moved by Horticulture staff internally and are now featured around the central lawn area.

The department has also been involved in the design and plant selection for the many components of the PEOPLE project including the new front entrance, green wall and roof and Panda exhibits/Entrance.

As part of the support required for Giant Pandas we have been also negotiating a suitable parcel of land with a guaranteed water supply to establish a bamboo plantation that we expect will be large enough to meet the Panda's dietary requirements.

Planting on this site will begin in November 2008 and we expect to be able to start harvesting by late 2009. Bamboo is being sourced from several suppliers to establish the plantation and once that has been planted we will start collecting locally and transplanting into the site.





Botanic Estate - 1 of 2

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Living Collections Report

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, cooperative 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 fund-raising 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 cooperatively 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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Status of animal collections

As zoos develop through time, and move from 'stamp' collections of the past to centres of small population management, cooperative breeding programs and naturalistic displays, there is often some concern that collection diversity will decrease. Effective regional planning shall ensure that each ARAZPA zoo is able to continue displaying a healthy diversity of animals, despite populations of species growing in size to ensure long-term viability. Currently, across both properties, there are almost 2500 specimens representing almost 350 different species, but with Adelaide Zoo and Monarto Zoo maintaining their independent identities due to the species they hold and the manner in which they display them.

Every year, the current and planned collection data from each institution is compiled, and while it assists in progressing towards each institution's collection goals, it also becomes a planning document for the region, published annually by ARAZPA as ASMP Regional Census and Plan.



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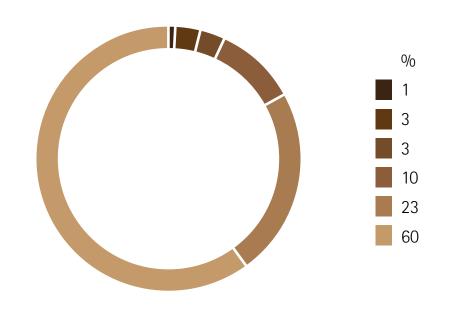
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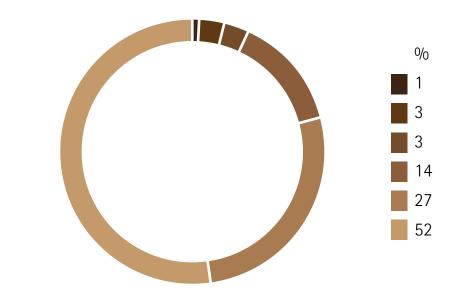
SOUTH AUSTRALIA

Current vs Planned – Adelaide Zoo

Current specimen numbers (total = 1847, from Adelaide Zoo ARKS4 database) (2007 total = 2118)

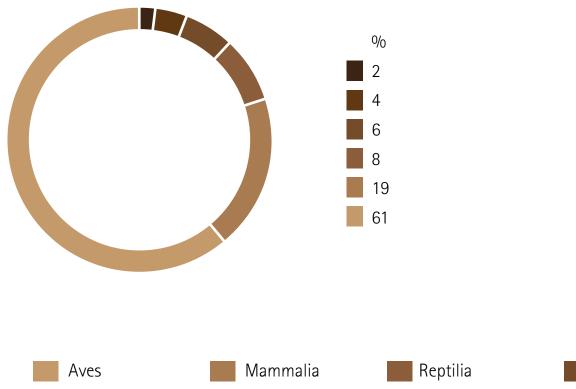


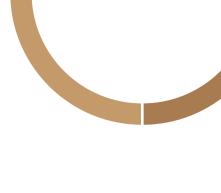
Current species numbers (total = 296; from Adelaide Zoo ARKS4 database) (2007 total = 307) *Diversity index (average # species/family) = 2.52*



Planned specimen numbers (total = 2103, from 2008 Online Regional Census and Plan) (2007 total = 2559)

Planned species numbers (total = 294; from 2008 Online Regional Census and Plan) (2007 total = 291) Diversity index (average # species/family) = 2.29





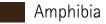












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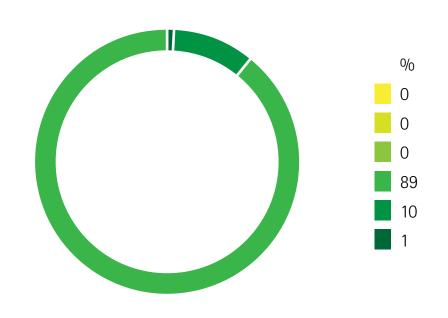
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Current vs Planned – Monarto Zoo

Current specimen numbers (total = 513, from Monarto Zoo ARKS database) (2007 total = 610)

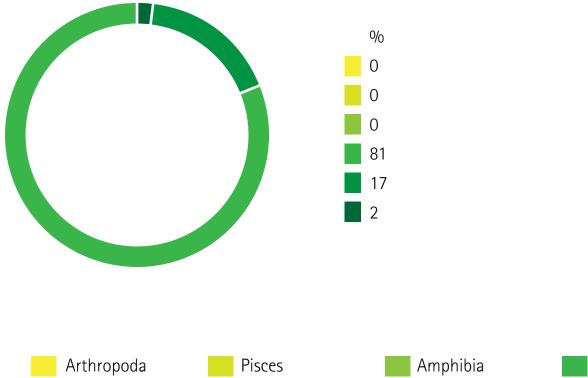


Planned specimen numbers (total = 716, from 2008 Online Regional Census and Plan) (2007 total = 902)

Current species numbers (total = 45; from Monarto Zoo ARKS database) (2007 total = 47)Diversity index (average # species/family) = 1.45



Planned species numbers (total = 65; from 2008 Online Regional Census and Plan) (2007 total = 76) Diversity index (average # species/family) = 1.7







Aves





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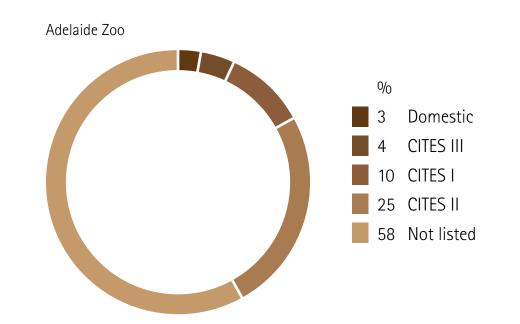
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SOUTH AUSTRALIA

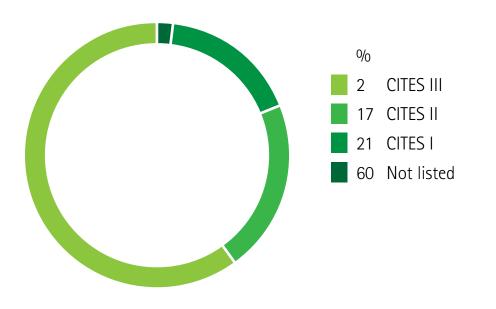
Collection Composition

CITES Listed Species

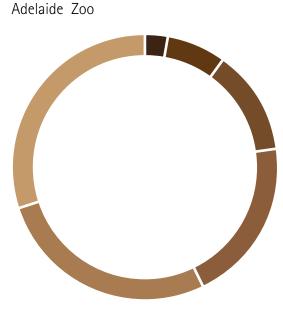
Currently, there are approximately 5,000 species of animals and more than 28,000 species of plants protected by CITES (the Convention on International Trade in Endangered Species of Wild Fauna and Flora). These species are listed in one of three CITES Appendices, according to how threatened they are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



Monarto Zoo

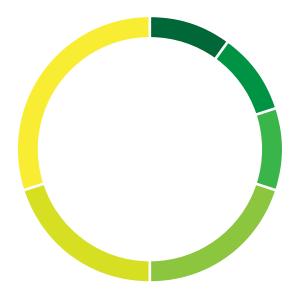


Animals listed under CITES Appendix I are those species threatened by extinction. The trade in specimens of these species is permitted only in exceptional circumstances. These restrictions have implications for the maintenance of CITES I species in the zoo collection, as the import of such species can 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 Cooperative Conservation Program (CCP). Adelaide Zoo currently house 30 species of CITES I listed animal across six of the taxonomically segregated groups, while Monarto Zoo maintains ten CITES I species (Appendix 1).



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

Monarto Zoo



(not listed in Bats & Rats and Reptiles & Amphibians).

0/ ₀	
3	Periss. & Prob
7	Monotreme & Marsupial
13	Reptile & Amphibian
20	Carnivore
27	Primate
30	Non-passerine

%	
10	Primate
10	Carnivore
10	Non-passerine
20	Artiodactyl
20	Periss. & Prob
30	Monotreme & Marsupial

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Adelaide Zoo

The World Conservation Union, previously the International Union for the Conservation of Nature and Natural, has been assessing the conservation status of species, subspecies, varieties and selected subpopulations on a global scale for more than forty years. The categories and criteria are intended to be an easily and widely understood system for classifying species at a high risk of extinction. Subsequently, by highlighting these extinction threats, the IUCN hopes to promote their conservation. Refer to Appendix 2 for Zoos SA species of greatest concern under the IUCN categorisation.

%

0

71

Lower Risk

Data Deficient

Endangered

Vulnerable

Not listed

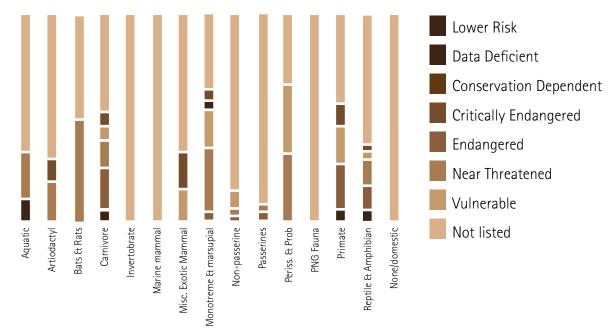
Near Threatened

Conservation Dependent

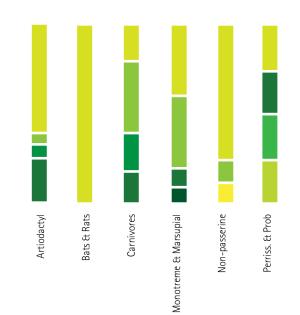
Critically Endangered

IUCN listed species are represented throughout most of the taxonomic groups currently held at Adelaide and Monarto Zoos. While the graph below indicates the categories of IUCN listings throughout each 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.

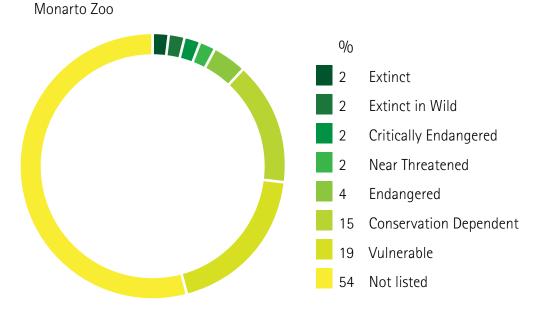




Monarto Zoo

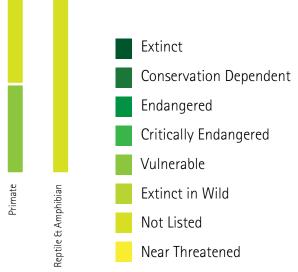


N.B. The chart shows 'Lower Risk' at 0% - this is a result of rounding as there is a single species at this level



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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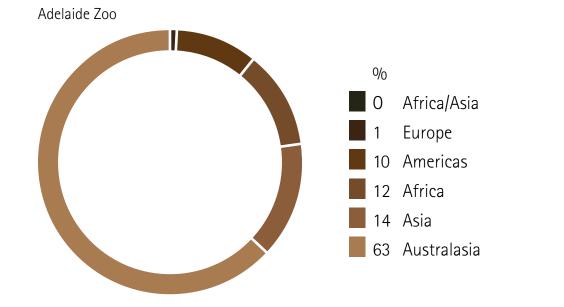
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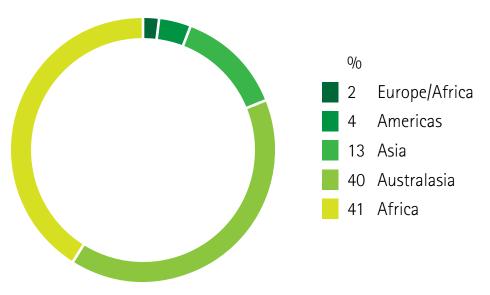


The aim of The Royal Zoological Society of South Australia is "to assist the conservation of the natural diversity of life on Earth". While both Adelaide and Monarto Zoo concentrates on fauna from the Australasian region, Adelaide Zoo has a secondary commitment to species from the Asian regions, while Monarto Zoo concentrates on species from Africa. The species diversity is further increased by displaying animal species from across the globe.



N.B. The chart shows 'Africa/Asia' at 0% - this is a result of rounding as there is a single species from this region.

Monarto Zoo



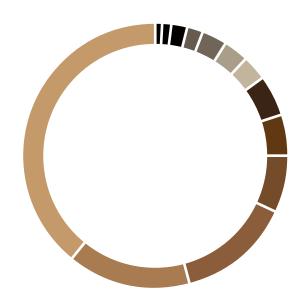


Every species currently held by an ARAZPA institution, or listed as a planned holding at an ARAZPA institution, is covered by a Taxon Advisory Group (TAG). The primary responsibility of each TAG is to consider the captive priorities for all species under the TAG, and to develop recommendations covering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

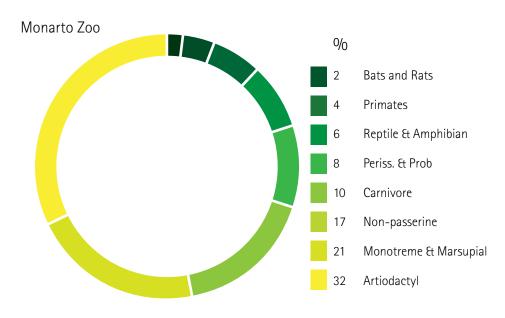
Number of species per TAG

There are 14 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 South Australia collection.

Adelaide Zoo



N.B. The chart shows both 'Marine Mammal' and 'PNG Fauna' at 0% - these are the result of rounding as there is a single species represented within each of these TAGS.





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

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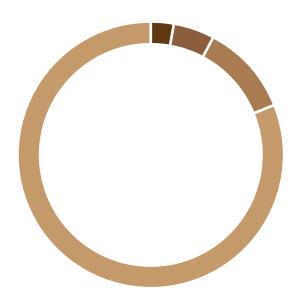
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Management Level of Species

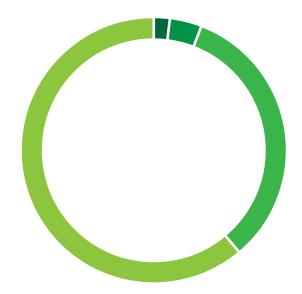
The ASMP management categories provide a framework for organising species management and planning at a regional level. These categories are designed to indicate the role or status of a taxon in the regional collection, whether or not regionally coordinated management is being applied, and if so at what 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 specimenlevel 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). Adelaide Zoo



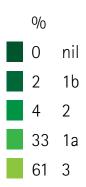
N.B. The chart show 0% for 'Management Level 2' – this is a result of rounding as there is a single species managed through ASMP at this level.

Monarto Zoo





0⁄0	
0	2
3	nil
5	1b
11	1a
81	3



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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".

Adelaide Zoo

The RZSSA considers the delivery of its conservation objectives as one of the priorities of the organisation. The tables below outline significant conservation efforts currently undertaken at Adelaide and Monarto Zoo (based on Evans, K. 2006 Royal Zoological Society of South Australia Conservation Programs).

Species	Conservation Effort	Comments
Yellow-footed rock wallaby	Reintroduction and habitat management	Multi-organisational project on-going for >10 ye 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
Greater bilby	Education and display	Financial support to recovery team
Regent honeyeater	Reintroduction	Multi-organisational project
Orange-bellied parrot	Reintroduction	Member of recovery team
Woma python	Reintroduction	Multi-organisational project
Pygmy blue-tongue lizard	Education and display	Member of recovery team
Western swamp tortoise	Education and display	Member of recovery team
Sumatran tiger	Financial support for <i>in situ</i> programs ; education Regional captive program closely linked to European program as insurance population	Supports ARAZPA Tiger Campaign & 21 st Century T
Orangutan	Financial support for in situ programs; education	Supports Australian Orangutan Project
Malayan sun bear	Financial support for in situ programs; education	Supports Save the Bears Fund Inc.
Philippines conservation	Financial support and keeper training	Supports FFI - Philippines

Monarto Zoo

Species	Conservation Effort	Comments
Yellow-footed rock wallaby	Reintroduction and habitat management	Multi-organisational project on-going for >10 yea
Black-flanked rock wallaby	Assisted reproductive technique	In collaboration with SA DEH; member of recovery
S.A. Mainland tammar wallaby	Re-introduction and assisted reproductive technique	In collaboration with SA DEH; member of recovery
Brush-tail Bettong	Re-introduction	In collaboration with SA DEH
Greater bilby	Reintroduction	> 75 bilbies released to WILD; member of recovery species co-ordinator
Eastern Barred Bandicoot	Re-introduction	In collaboration with VIC EBB Recovery Program
Tasmanian Devils	Insurance population for Facial Tumor Disease	In collaboration with TAS DPIWE
Cheetah	Financial support and education	Support Cheetah Conservation Fund and DeWildt V
African wild dog	Financial support for in situ programs ; education	Support Painted Dog Conservation Inc. Australia
Malleefowl	Education and display	Member of national recovery team



years

for records; staff training in both records and keeping

Tiger

ears

ery team

ery team; species co-ordinator

ery team; financial support to recovery team;

Wild Cheetah Project

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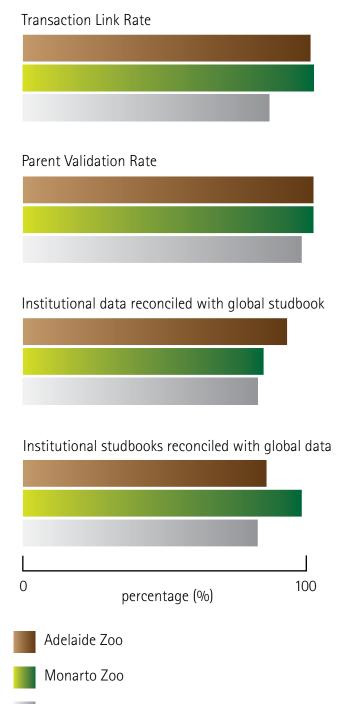
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Animal Records

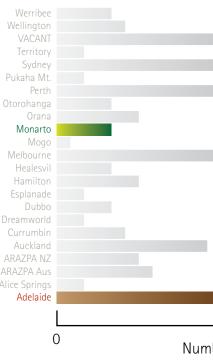
Animal records are an integral component for the management of the current collection, and in planning for the development of the collection. The graph below indicates Adelaide and Monarto Zoos' data quality in correlation with the ISIS global database, as of May 1, 2008. Both Adelaide and Monarto Zoo are in the *ISIS Top 50 Champions of Data Quality*.



ISIS Average

There are currently 10 keepers maintaining 10 studbooks at Zoos South Australia – this translates to 20% of the animal keeping staff. A further eight studbooks (an increase of two from 2007) managed by the Collection Development Team bring the total studbooks or species programs held through Zoos SA to seventeen (Appendix 4). Although we are now maintaining fewer studbooks than last year, Adelaide and Monarto Zoos still show an enormous contribution to the managed programs of the Australasian region. Only the larger institutions of Taronga Zoo (25), Melbourne Zoo (16) and Perth Zoo (15) surpass Adelaide Zoo's commitment to the ASMP through this channel.

('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).



Number of Studbooks

30

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ASMP Program Participation

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.

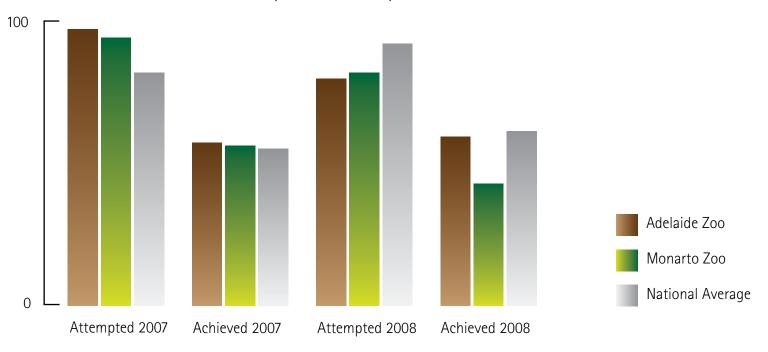
Zoos S.A.'s engagement with the ASMP

Measure	Adelaide Zoo	Monarto Zoo	Regional Average
No. Programs	32 (30)	15 (10)	7 (8)
No. Recommendations	67 (50)	53 (53)	12 (13)
Timely Endorsement	59% (57%)	68% (75%)	57% (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





Status of Animal Collections - 10 of 10

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Animal Inventory (appendices)

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

Amphibia

Reptilia	
Fijian crested iguana	Brac
Madagascan tree boa	Sanz
Saltwater crocodile	Croc
Western swamp tortoise	Pseu

Aves

71705	
Golden-shouldered parrot	Psep
Hooded parrot	Psep
Hyacinth macaw	Ano
Nicobar pigeon	Calo
Orange-bellied parrot	Neo
Ostrich	Stru
Palm cockatoo	Prob
Palm cockatoo	Prob
Razor-billed curassow	Crax
Scarlet macaw	Ara

Mammalia

Mammalia	
Addax	Add
Black rhinoceros	Dice
Brush-tailed bettong	Bett
Caracal	Carc
Cheetah	Acin
Chimpanzee	Pan
Cotton-top tamarin	Sagi
Golden lion-tamarin	Leor
Greater bilby	Мас
Lion-tailed macaque	Мас
Mala	Lago
Malayan sun bear	Hela
Malayan tapir	Тарі
Mandrill	Mar
Mesopotaminan Fallow Deer	Dan
Nepalese red panda	Ailui
Persian leopard	Pant
Przewalski's horse	Equi
Ring-tailed lemur	Lem
Siamang	Hylc
Sumatran orangutan	Pong
Sumatran tiger	Pant
Syrian bear	Ursı
White-cheeked gibbon	Hylc



nchylophus vitiensis nzinia madagascariensis

codylus porosus udemydura umbrina

photus c. chrysopterygius

ephotus chrysopterygius dissimilis

odorhynchus hyacinthinus

loenas nicobarica

ophema chrysogaster

uthio camelus

bosciger aterrimus

bosciger aterrimus aterrimus

ix mitu tuberose

п тасао

dax nasomaculatus eros bicornis minor tongia penicillata ogilbyi racal caracal schmitzi nonyx jubatus jubatus n troglodytes guinus oedipus oedipus ontopithecus rosalia rosalia crotis lagotis sagitta icaca silenus orchestes hirsutus hirsutus larctos malayanus malayanus oirus indicus Indrillus sphinx ma dama mesopotamica urus fulgens fulgens nthera pardus saxicolor ius ferus przewalski nur catta lobates syndactylus ngo pygmaeus abelii nthera tigris sumatrae sus arctos syriacus lobates leucogenys

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SOUTH AUSTRALIA

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

Extinct Mala Lagochestes hirsutus hirsutus Extinct in Wild

Przewalski's horse

Murray cod

Equus ferus przewalski

Critically Endangered Golden lion-tamarin Sumatran tiger Panthera tigris sumatrae Diceros bicornis minor Black rhinoceros Orange-bellied parrot Neophema chrysogaster Pseudemydura umbrina Western swamp tortoise Brachylophus vitiensis Fijian crested iguana Aruba Island rattlesnake

Leontopithecus rosalia rosalia

Crotalus durissus unicolor

Maccullochella peelii

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

Reptilia	
Aldabran tortoise	Geochelone gigantea
Broad-headed snake	Hoplocephalus bungaroides
Fijian crested iguana	Brachylophus vitiensis
Western swamp tortoise	Pseudemydura umbrina
Aves	
Macleay's fig parrot	Cyclopsitta diophthalma macleayana
Orange-bellied parrot	Neophema chrysogaster
Regent honeyeater	Xanthomyza phhrygia
Mammalia	
Addax	Addax nasomaculatus
Black lion-tamarin	Leontopithecus rosalia chrysopygus
Bongo	Tragelaphus eurycercus isaaci
Brazilian tapir	Tapirus terrestris
Brush-tailed rock wallaby*	Petrogale penicillata penicillata
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
Fennec fox	Vulpes zerda
Giraffe	Giraffa camelopardalis
Giraffe	Giraffa camelopardalis rothschildi
Golden lion-tamarin	Leontopithecus rosalia rosalia
Greater bilby*	Macrotis lagotis sagitta
Malayan sun bear*	Helarctos malayanus malayanus
Mandrill	Mandrillus sphinx
Nepalese red panda	Ailurus fulgens fulgens
Oriental small-clawed otter*	Amblonyx cinereus
Plains zebra	Equus burchelli
Przewalski's horse	Equus ferus przewalski
Pygmy marmoset	Callithrix pygmaea
Ring-tailed lemur	Lemur catta
Scimitar-horned oryx	Oryx dammah
Serval	Leptailurus serval
Siamang	Hylobates syndactylus
Sumatran orangutan	Pongo pygmaeus abelii
Sumatran tiger	Panthera tigris sumatrae
Tasmanian devil	Sarcophilus harrisii
White-cheeked gibbon	Hylobates 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 South Australia



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Appendix 4: ASMP species studbooks managed by Zoos South Australia employees

Species		TAG	Employee	Position	Management Level
Reticulated gila monster	Heloderma suspectum suspectum	Reptile and Amphibian	Terry Morley	Studbook keeper	1b
Eyelash viper	Bothriechis schlegelii	Reptile and Amphibian	Byron Manning	Studbook Keeper	1a
Australian little penguin	Eudyptula minor novaehollandiae	Non-passerines	Trena Carney	Species Coordinator	1b
Eastern yellow robin	Eopsaltria australis	Passerines	Brett Backhouse	Studbook Keeper	1b
White-browed woodswallow	Artamus superciliosus	Passerines	Vaughan Wilson	Studbook Keeper	1b
Satin bowerbird	Ptilonorhynchus violaceus	Passerines	John Ray	Studbook Keeper	1b
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
Tiger quoll	Dasyurus maculatus	Monotreme and Marsupial	Amanda Smith	Studbook Keeper	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	Acting Species Co-ordinator	1a
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
Greater bilby	Macrotis lagotis sagitta	Monotreme and Marsupial	Jodi Buchecker	Species Coordinator	1a
Australian sealion	Neophoca cinerea	Marine Mammals	Chris Fulton	Studbook Keeper	1b
Small-clawed otter	Amblonyx cinereus	Carnivores	Lindell Andrews	Species Coordinator	1a
Malayan sunbear	Helarctos malayanus	Carnivores	Gert Skipper	Species Coordinator	1a
			Gale Akerman	Studbook Keeper	1a

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Appendix 5: Zoos South Australia 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	T. Nielsen, B. Backhouse (ob
Bush stone-curlew	Burhinus grallarius	State (proposed)	T. Nielsen
Eyre Peninsula Yellow-tailed black cockatoo	Calyptorhynchus funereus xanthanotus	State	T. Nielsen (Advisory Membe
Malleefowl	Leipoa ocellata	National	J. Buchecker
Greater bilby	Macrotis lagotis sagitta	National	I. Smith, J. Buchecker, P. Cla
Eastern barred bandicoot	Perameles gunnii	Vic state	No current representation
S.A. Mainland Tammar wallaby	Macropus eugenii eugenii	State	G. Johnston, D. Taggart, I. Si
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)



observer only) ber) Clark n Smith, J. Buchecker, P. Clark, T. Austin dman, D. Taggart Andrews (Associate Member)

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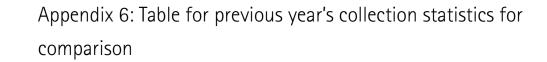
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Animal Collection		2007		2008	
Adelaide Zoo		Current	Planned (%)	Current (%)	Planned (%)
Specimen #s	Arthropoda	(%) 3	2	3	6
opeenier #o	Pisces	10	9	3	4
	Amphibia	0	1	1	2
	Reptilia	11	7	10	8
	Aves	57	, 65	60	61
	Mammalia	19	16	23	19
Species #s	Arthropoda	3	4	3	7
species # s	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	Marrinana	2.46	2.33	2.52	2.29
		2.40	2.33	2.52	2.25
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
CITES Listed Species					
Adelaide Zoo	CITES 1	10		10	
(% spp. in collection)	CITES II	25		25	
(%) Spp. In concentration)	CITES III	3		4	
	Not Listed	59		4 58	
	Domestic	3		3	
Monarto Zoo					
	CITES 1	21		21	
(% spp. in collection)	CITES II CITES III	17		17 2	
		2			
	Not Listed	60		60	
	Domestic	0		0	
CITES I Listed Species by Ta					
Adelaide Zoo	Carnivore	23		20	
(% of CITES I species)	Monotreme & Marsupial	6		7	
	Non-passerine	29		30	
	Periss. Et Prob.	3		3	
	Primate	29		27	
	Reptile & Amphibian	10		13	
Monarto Zoo	Monotreme & Marsupial	28		30	
(% of CITES I species)	Primate	9		10	
· · · · · · · · · · · · · · · · · · ·	Carnivore	9		10	
	Periss. & Prob	18		20	
	Artiodactyl	18		20	
	Non-passerine	18		10	

IUCN Listed Species		-	
Adelaide Zoo	Critically Endangered	2	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	Extinct	2	2
(% spp. in collection)	Extinct in Wild	2	2
(%) spp. in collection)			
	Critically Endangered	2	2
	Conservation Dependant	13	15
	Endangered	4	4
	Near Threatened	6	2
	Vulnerable	19	19
	Not Listed	52	54
Geographical Representatio			
Adelaide Zoo	Africa	11	12
(% spp. in collection)	Africa/Asia	0	0
	Americas	9	10
	Asia	15	14
	Australasia	64	63
	Europe	1	1
Monarto Zoo	Africa	37	41
(% spp. in collection)	Americas	6	4
(is spp. in concettori)	Asia	12	13
	Australasia	43	40
	Europe/Africa	2	2
Collection composition by 1	rag		
Adelaide Zoo	Aquatic	3	3
(% spp. in collection)	Artiodactyl	3	3
(%) spp. In conection)			
	Bats & Rats	1	1
	Carnivore	6	5
	Invertebrate	4	3
	Marine Mammal	0	0
	Misc. Exotic Mammal	2	2
		7	7
	Monotreme & Marsupial		
	Non-passerine	40	39
	Passerine	16	15
	Periss. Et Prob.	1	1
	PNG Fauna	0	0
	Primate	5	5
	Reptile & Amphibian	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 & Amphibian	4	6
Collection by Management		т	U
Collection by Management		10	
Adelaide Zoo	1a	12	11
	1b	5	5
	2	0	0
	3	79	81
	nil	4	3
Monarto Zoo	1a	29	33
	1b	2	2
	2	4	4
	3	65	61
	nil	0	0
		11	



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Animal Collection (as of 30/06/2008) (excludes domestic species)

	Mammalia	Aves	Reptilia	Amphibia	Pisces	Invertebrates	TOTAL
Orders	13	15	3	1	5	5	42
Families	35	43	14	2	9	10	113
Species/Subsp.	71	146	40	3	9	11	280
Specimens	410	995	138	23	75	87	1728



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Threatened Species

Extinct in Wild

Scimitar-horned oryx

Oryx dammah

Critically Endangered

Golden-lion tamarin	Leontopithecus rosalia
Sumatran tiger	Panthera tigris sumatrae
Orange-bellied Parrot	Neophema chrysogaster
Western swamp tortoise	Pseudemydura umbrina
Fijian crested iguana	Brachylophus vitiensis
Aruba Island rattlesnake	Crotalus durissus unicolor
Murray cod	Maccullochella peelii

Endangered

Red-tailed phascogale	Phascogale calura
Cotton-top tamarin	Saguinus oedipus oedipus
Lion-tailed macaque	Macaca silenus
Chimpanzee	Pan troglodytes
Cape hunting dog	Lycaon pictus
Persian leopard	Panthera pardus saxicolor
Nepalese red panda	Ailurus fulgens fulgens
Black-breasted button quail	Turnix melanogaster
Golden-shouldered parrot	Psephotus c. chrysopterygius
Golden-shouldered parrot Regent honeyeater	Psephotus c. chrysopterygius Xanthomyza phrygia
Regent honeyeater	Xanthomyza phrygia
Regent honeyeater Gouldian finch	Xanthomyza phrygia Chloebia gouldiae
Regent honeyeater Gouldian finch Elongate tortoise	Xanthomyza phrygia Chloebia gouldiae Indotestudo elongata
Regent honeyeater Gouldian finch Elongate tortoise Pernatty knob-tailed gecko	Xanthomyza phrygia Chloebia gouldiae Indotestudo elongata Nephrurs deleani
Regent honeyeater Gouldian finch Elongate tortoise Pernatty knob-tailed gecko Pygmy blue-tongued lizard	Xanthomyza phrygia Chloebia gouldiae Indotestudo elongata Nephrurs deleani Tiliqua adelaidensis

Vulnerable

Mulgara	Dasycercus cristicauda
Greater bilby	Macrotis lagotis sagitta
Long-nosed potoroo	Potorous tridactylus tridactylus
Black-footed rock wallaby	Petrogale lateralis lateralis
Brush-tailed rock-wallaby (Vic)	Petrogale penicillata penicillata
ellow-footed rock-wallaby	Petrogale xanthopus xanthopus
Ωuokka	Setonix brachyurus
Ghost bat	Macroderma gigas (gigas)
ion	Panthera leo senegalensis/krugeri
Malayan sun bear	Helarctos malayanus malayanus
Malayan tapir	Tapirus indicus
Pygmy hippopotamus	Hexaprotodon liberiensis
Barbary sheep	Ammotragus lervia
Double-wattled cassowary	Casuaris casuaris johnsonii
Freckled duck	Stictonetta naevosa
Mallee fowl	Leipoa ocellata
iamese fireback pheasant	Lophura diardi
ireen peafowl	Pavo muticus
looded plover	Charadrius rubricollis
hattering lory	Lorius garrulus
Baudin's black cockatoo	Calyptorphynchus (funereus) baudinii
Blossy black cockatoo	Calyptorhynchus lathami
lyacinth macaw	Anodorhynchus hyacinthinus
carlet-chested parrot	Neophema splendida
wift parrot	Lathamus discolor
Princess parrot	Polytelis alexandrae
Superb parrot	Polytelis swainsonii
tar finch	Neochmia ruficauda
ava sparrow	Padda oryzivora
Aldabra tortoise	Geochelone gigantea
pur-thighed tortoise	Testudo graeca
altwater crocodile	Crocodylus porosus
eticulate gila monster	Heloderma suspectum suspectum
Madagascar tree boa	Sanzinia madagascariensis
Broad-headed snake	Hoplocephalus bungaroides
Silver perch	Bidyanus bidyanus
'arra pygmy perch	Nannoperca obscura

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Communications and Partnerships

New branding / logos and livery have been the focus for this financial year, the new logos for both Adelaide and Monarto Zoo and Zoos SA has been well accepted, this has be followed through with a new consistent style in our advertising and marketing.

We worked with many community organisations this year with Science week at the SA Museum, a family access day with PARAQUAD SA ran a very successful special children's day and a new edition to our calendar was with the Play Group Association, which had up to 3,000 members enjoy a day at Adelaide Zoo.

We were again part of the Royal Adelaide Show with our Zoos SA display stand, the Callington Show Day, Womad, the Pet and Animal Show and worked on events as part of the Fringe Festival.

Some of the significant days we celebrated at both Zoos were, World Environment Day,

History Week, Fathers Day with free entry for Dads and ANZAC day.

The focus for fundraising and awareness was linked with the International campaign Amphibian Ark - "Year of the Frog".

Our strategy of being able to offer our visitors more valued experiences, on both sites, is growing from strength to strength. Boileau Business Solutions partnered with Adelaide Zoo as the naming rights sponsor for the Animal Encounters program, offering nine different behind the scenes experiences. Monarto's Meet the Cheetah, Working with Wildlife, Meet the Rhino and Meet the Lions programs were all extremely successful, enabling visitors a much more intimate opportunity to meet and learn about our animals and providing us the opportunity to spread our conservation messages.

Paid attendances at both Adelaide Zoo and Monarto Zoo continued to fluctuate from month to month and weather was an issue in January, but we ended up with a strong year. With no new exhibits at Adelaide Zoo we focused on value added experiences, births and school holiday activities.

The Going Ape comedy program as part of the Fringe Festival, was a sell out program with the central lawns at full capacity. This saw a significant donation going back to support our Chimpanzee fundraising campaign.

Monarto Zoo was fortunate to have lots of babies, and our campaigns focused on the Lion cubs and baby Rhino in a bold and eye catching billboard campaign that proved very successful.

Once again the Adelaide Symphony Orchestra played at Monarto in Symphony in the Serengeti sponsored by Life Plan. The event raised funds for conservation and had up to 4,000 people attend, Monarto volunteers were vital to the success of the evening, once again providing excellent support for the entire event.

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Partnerships

Partnerships is always very important to the development of the Zoos, we have formed many new partnerships and have continue on with many long term partners, that have enabled us to run many of our programs and raise funds for conservation. We must thank the following organisations for their generous support; Westpac Bank for the naming rights sponsorship for the soon to be built Enviro Dome, education and learning centre, Kangaroo Island Sealink sponsoring Seal Bay, Show Pony for all our creative campaigns, Comunet and Lifeplan for ongoing event sponsorship, Peat Soils for garden supply support for both sites, Other supporters include Gerard Industries, Ochre Digital, Haigh's Chocolates, Qantas, Proshow, Coco cola, Streets Ice-cream, Coopers, Cadbury Schweppes, Rainbow press, Corporal Security, Boileau Business Solutions and Fuji Xerox, Brand Wines of Coonawarra, Graham Jewellers, Toro Australia, Hardy's Wines, Lynch Myer for legal advice and Prescott Securities for supporting our Cheetah program.

The Media are vital to us communicating our message to our stake holders, a special thank you must go to Channel 7 for support to Adelaide Zoo, Channel 9 for supporting Monarto Zoo, Network 10 for ongoing support of the Future Zoo Foundation, The Advertiser and Sunday Mail and Adelaide now have again this year supported so many programs, MIX FM, 5AA and Power FM radio stations again gave us immense exposure over the last 12 months.

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Future Zoo Foundation

Communication and Publications

The main vehicle for communications to our members is the Zoo Times publication. This year we produced three Zoo Times, with a new design and more animal based articles the publication is really appreciated by our members, coupled with and eight Zoo-E News our email news letter highlighting events and special births . Our internal communication publication is Keeping Track – incorporating Zoo-logic is distributed to all staff and volunteers. Our Zoos SA website has been a upgraded with more information, whilst the new site will be launched in the new financial year.

A special thanks to Adelaide Zoo and Monarto Zoo Volunteers whose hard work and commitment made many of our promotions and events possible.

The Future Zoo Foundation is the fundraising arm of the Royal Zoological Society supporting the conservation efforts of the Zoos, its staff and researchers.

The Foundation's annual friend and fundraising event was a dinner held at Monarto Zoo in the newly renovated Waterhole Pavilion Function centre, hosted by Robert Gerard. Over 110 guests were blessed with wonderful weather and the opportunity to share cocktails on the new Giraffe viewing platform. One of the highlights of the evening was being able to hand feed our beautiful giraffes from this platform. The dinner (catered for by Red Jam) was superb, followed by a live auction. During the year the Foundation held a few board room lunches inviting some significant South Australian business leaders to listen to our future plans including the arrival of the Giant Pandas.

A series of fundraising breakfasts were held in the Immersion hub area at Adelaide Zoo, hosted by our wonderful partner Angelique Boileau of Boileau Business Solutions. Boileau continue to support on an annual basis, our Adelaide Zoo Animal Encounters experiences and due to this support the series of experiences has gone from strength to strength.

Jane Goodall visited South Australia again in 2008 and the Foundation supported her visit with a series of functions, one of which was a private dinner in the Immersion Hub with VIPS such as the Hon. Premier Mick Rann and his wife Sasha attending. Other events included a life members function at Monarto Zoo. Significant funds raised went to the Jane Goodall Institute.

Our most significant partnership for 2007-2008 was again the support of Westpac Bank signing for another term to support the new Westpac Enviro-Dome education centre. The centre is to be opened late 2008. We were able to align our organizations aims and vision on conservation to support the ongoing education of over 60,000 school children per year on the importance of conservation to our environment.

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The focus in the 2007-2008 calendar year was the raisings of funds for the new Chimpanzee habitat at Monarto Zoo, and the Primate Property campaign which was our online donation program, this program was a new way for the Foundation to raise funds, it was supported by a series of events, the main event a cocktail party and auction held in the Rotunda. Phil McMahan Real Estate was our most significant donor to the Primate Property campaign.

Another very generous donation was again given by Sue Nuld whose donation, made a vision a reality at Monarto Zoo providing the much needed funds to build viewing platforms.

In addition Prescott Security provided the funding towards the male Cheetah breeding facilities also at Monarto Zoo. Completing this area and improving our overall Cheetah facilities.

Again the Volunteers Reprehensive Group VRG allocated funds for projects to support the development and growth of the Zoos and its staff. The volunteer committee held many functions throughout the year to raise funds; their ongoing support is greatly appreciated by the Society and the members who attend these great events.

We have again been very fortunate this year to receive generous bequests benefits and would like to thank the families who through their wills have supported the work of the Society.

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Media Partnerships

2007/2008 has been a fantastic year for media coverage with the announcement of the pandas coming to Adelaide Zoo. This national and international coverage is expected to continue with the lead up to their arrival and throughout their stay.

It was decided that Zoos SA would join Taronga Zoos, Zoos Victoria and Perth Zoo in the second series of Channel 7's 'The Zoo' program. The program had a very successful first series with solely Taronga participating and has had Zoos SA staff working hard on filming segments for series two. Some of these segments will include the move of our Hyena pup to Perth Zoo, the birth of the Dusky Langur at Adelaide Zoo, and the very important cross-fostering program for the Brush tailed rock wallabies. It is hoped that the program will gain us greater national publicity for the conservation work that we as a zoo perform as well as highlighting the variety and amount of work that goes into running a zoo.

Overall Zoos SA received approximately four stories in the media per week with multiple forms of media covering these. Thank you to all staff and volunteers who have helped with these stories and put themselves in the lime light over the past year, the media we receive has a direct impact on visitors through the gate and therefore on the bottom line, so thank you. Thank you also to our media partners. For television we would like to thank Channel 7 for Adelaide Zoo, Channel 9 for Monarto Zoo and Network 10 for the Future Zoo Foundation, all stations contributed significantly through news items, weather crosses, and various programs. Our radio partnerships with MIX 102.3 and 5AA (Adelaide) have continued throughout this year with significant support from both stations in editorial, additional airtime, and promotions. The Advertiser and Sunday Mail have provided us with substantial editorial coverage on animals at both zoos and events we ran throughout the year. We thank you for your past support and look forward to our ongoing partnerships.



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Membership and Animal Adoption

Membership has grown significantly, and we now have over **20,270** members at the end of the financial year. This is attributable to new incentive and marketing awareness campaigns and linkages with other member-based organisations. As with the last financial year, there has again been an increased number of members are joining up online at our website. This financial year we are aiming to consolidate membership numbers, whilst heavy infrastructure work is undertaken at both sites. Zoos SA E-mail "Zoo E-News" is becoming more popular with Zoo members, with a readership now of over 3,000, and the amount of content included increasing.

Animal Adoption numbers have remained quite steady with a minimal decline in total adoptees.

A successful life Members morning and afternoon tea was held at Adelaide Zoo, with over 450 Zoos SA life Members and guests enjoying hearing from both their President Heather Caddick and CEO Chris West at both functions.

Zoos SA successfully negotiated a corporate membership relationship with the Police Association of South Australia. At time of this report going to print, over 115 police officers and their family have joined up for zoo membership.

An offer was made to life members encouraging them to 'give the gift of life'... This being to purchase a Zoos South Australia life membership for a loved one, family member or friend. Over 30 life members took up this offer, raising \$45,000 for Zoos SA. New annual and life membership cards were also designed and implemented and have been very well received by both new and renewing members.

Tom Baxter (Membership Manager @ ZSA) made a membership presentation @ ARAZPA conference this year, and attending the Marketing Specialist Advisory Group conference before hand sharing ideas and making some valuable contacts from around Australia and New Zealand.

Membership

	2008	2007
Honorary Life	6	8
Life	1,151	1,080
Annual		
- Adult	1090	882
- Student	137	113
- Child	70	82
- Family	17,414	15,655
	(5,451 families)	(4,843 families)
- Corporate	274	55
	(3 companies)	(2 companies)
TOTAL	20,142	17,875

Animal Adoption

	2008	2007
Individuals	902	891
Schools	19	24
Clubs/Companies	79	90
TOTAL	1,000	1005

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Grants

This year Zoos SA established a single and facilitated focus for grant application. A database of available grants and personalised staff notification service together with facilitated grant writing has led to increased activity in this area. This investment has begun, allowing for the lag phase following submission, to lead to increased funding income for several departments (Volunteers, Horticulture, Monarto, Visitor Services and Marketing). The Science group has continued to be successful in gaining grant and philanthropic funding for research and support of endangered natives. Community grants (at feral and state level) demanding involvement and negotiation with local businesses have led to additional in-kind benefits such as discounted zoo site installations and purchases for members, staff and zoo visitors. The Adelaide City Council are to provide signage from the city centre to the Zoo and the CMV Foundation are supporting ours bus service at Monarto. An annual cycle of the timing of grant announcements has been logged and will allow for more accurate and detailed grant preparation during longer lead-in times prior to submission in the year ahead. This approach should ensure further successes.

Bequests

Zoos SA have begun reactivation of their bequest seeking programme with the development of new literature, the initiation of an advertising campaign and a named point of contact on the website. This has coincided with a spike of increased interest in expressions of interest in making a bequest to the Society. General advice on preparing a Will, a standard format of wording and guidance on more specific detailing of projects to be supported is available on request. All enquires are treated confidentially and can be conducted by email, phone or in person at Adelaide Zoo.



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Visitor Experience & Operations

With a small change in the organizational structure, this department was formed out of the Communications & Partnerships team. Focusing on visitor experience, volunteers, events and administration, the team worked diligently on a variety of profile-raising events and promotional activities.

Behind the scenes experiences at Monarto Zoo continued in its popularity, the lion tour experience huge numbers after the birth of two cubs late 2007. Boileau Business Solutions again partnered with the Adelaide Zoo behind the scenes program helping to achieve a significant number of participants in the varied program. 10% of all monies generated through the behind the scenes program is put into conservation programs throughout the globe as nominated by our keepers. Visitation again for Monarto Zoo was over 100,000 for a second year in a row despite an incredibly hot summer. With growth in the visitor experience and the development of the Zu-Loop shuttle bus system, safari tours were split into two separate tours. The two tours provide the visitor with an option of a longer tour of 1 hour, or a shorter tour of 25 minutes. Visitors are able to enjoy both or choose only one if they would prefer. On the Africa safari tour visitors could view camel, oryx, addax, ostrich, barbary sheep, giraffe, eland, water buck, zebra, white rhino, cheetah, spotted hyena, African painted dog and African lion. The second tour was named the Grasslands safari tour taking in the Mongolian wild horse, bison, black rhino, camel, deer, chital deer, black buck, addax, barbary sheep, scimitar horned oryx and ostrich.

An additional 1.8km's of walking tracks were opened to the public extending the Zu-Loop experience and allowing visitors to choose how best they wanted to view and interact with the park. Walkways and viewing platforms also offered people the opportunity to observe exhibits throughout Africa including the Southern White Rhinocerous, cheetah and giraffe, eland, water buck and zebra.

Visitors are now seeing Monarto Zoo as a full day experience. All the options can be packaged by visitors to fit the time schedule they prefer.

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Over 350,000 visitors enjoyed Adelaide Zoo throughout the year, enjoying our exhibits, visiting bands in the rotunda, school holiday activities and the new and highly recommended walk-about tours led by our volunteer guides.

A varied calendar of events saw The Going Ape comedy program again pack the central lawns with laughter, and a significant donation made to our Chimpanzee fundraising campaign. With the commitment to build Australasia's largest chimpanzee habitat, support was strong from the community and another fundraiser was held in November with the generous crowd raising over \$24,000. Serengeti at Monarto Zoo is a significant project led by campaign chairman Robert Gerard AO, from Gerard Corporation. The concept behind the Serengeti is to create a large 70 hectare open-range drive-through exhibit, encompassing two valleys and a connecting ridge line win which there are herds of African hoof stock, surrounded by carnivore such as lions, cheetahs, hyenas and wild dogs. The Serengeti will be able to be seen from the normal guided bus tours, from viewing areas along the walking tracks, on a section of the Zu-Loop service and also from specially operated, open sided safari vehicles. With a committee including Michael Brock, Dean Brown, Hugh Builder, Glenn Cooper, David Hamilton, Michael Keelan, David Seymour-Smith, Alan Sheppard, John Taylor, Lindsay Thompson, Steven Trigg & Graham Walters the group aims to raise a target of \$2 million from individuals groups, companies, trusts, grants and the government. During this first phase of fundraising a series of dinners is planned with the first one held in May netting over \$50,000.



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Volunteers

The efforts of the Zoos SA Volunteers throughout the 07/08 year has certainly been tremendous and our volunteers continue to support Zoos SA by enhancing the visitor experience, providing support to Education and Keepers, providing enrichment items for our zoo animals, providing activities for our younger members, providing functions for members, assisting with revegetation and by sharing our conservation messages.

It's been a busy 12 months with BEEZA (Behavioural and Environmental Enrichment for Zoo Animals).

Some BEEZA highlights for the year included:

Paper mache balls for the big cats at Adelaide Zoo and the Lions at Monarto Zoo.

These provide great enrichment for the cats, the volunteers spend hours preparing paper mache balls filled with herbs for the big cats and it only takes a matter of minutes for the cats to tear into the balls to enjoy the many scents of the herbs contained within the balls.

Changing Rooms for the Sun Bears

New logs are placed in various locations in the habitat and new mulch spread – a refresh of the habitat.

Herb Feeder for Mandrills

A new enrichment idea for this year, proving to provide valuable enrichment for the Mandrills

Hammocks for the chimps and Orangutans

Hammocks have been supplied by Volunteers for a number years and are still in demand.

Pumkin Feed for the Hippos

The pumpkin feed is a weekly enrichment for the Hippos and a bonus for visitors to enjoy viewing the Hippos during the feed. Volunteer Guides also add the experience giving a commentary on the Hippos during the feed.

Making of DVD on BEEZA

Hours of footage of the animals receiving and 'working on' their enrichment items has been compiled in to a most interesting DVD.

Thank you to the Volunteers who have donated plastic bottles, boxes, herbs etc and also to the BEEZA Volunteers for helping enrich the live of our Zoo animals.

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KidZclub

KidZclub is organised and run by a small group of dedicated and experienced volunteers who enjoy working with and sharing experiences with children. This year our numbers have increased with the addition of new volunteers enabling us to include more children from the waiting list during Semester 2, to a total of 81 children participating during the year.

KidZclub continues to provide a valuable fun activity for Junior Members with each month's session proving to be a highlight covering topics from **A**nts to **Z**oo history.

This year the dedicated volunteer leaders have enabled the children, in their various groups to have fun:

Painting lady bugs and exploring the world of mini-beasts with magnifying glasses

Viewing the lions and making handsome lion puppets

Learning how animals survive in the desert and producing sand art masterpieces

Bringing the rainforest theme alive with a magnificent 3-D mural

Hearing of the Trade in Wildlife, efforts to address it and exploring artefacts

Enjoying Olympic type games based on Aussie Animals and their unique skills

Admiring the bevy of bird life; hearing a story of how the Tawny Frog Mouth hunts

Following clues and constructing their very own Sea Lion and Fairy Penguin

Learning about water loving critters and making a colourful fish mobile

Artistically reproducing a whole pack of Cape Hunting dogs while observing them

Observing the magnificent reptilian species from behind the safety glass windows

Admiring the stunning coat of the Colobus and other primates in the zoo

Looking at the zoo past, present, future and creating beadwork critters

The Vision of KidZclub is to continue to provide a valuable service to the zoo by providing a unique programme for junior members; to attract quality volunteers who enjoy spending time with children and are willing to share their love of nature, knowledge and passion for conservation and the zoos creatures with the children; and to be a fun and worthwhile activity.

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Zoo Youth

It's been a busy and exciting year for Zoo Youth, with the very welcome addition of 6 new volunteers to assist the current long standing team of Jerry, Matt, Tara, Allison and Sarah. Two of the new volunteers have come up through Zoo Youth, with Alex and Ben Zoo Youth members since 2003. This is a great result for Zoo Youth –to have dedicated youth members who continue with volunteering once they turn 18!

We have had 60 members registered this year, with most activities attracting between 25-40 members. Three OOZE's (Out of Zoo Experiences) and a trip to the Botanic Gardens to learn about bush foods have complimented a packed in-zoo program, with several behind the scenes activities assisting keepers, a visit from Greening Australia and all hands on deck for our version of Clean Up Australia Day. The group has also had school holiday activities for both the July and October breaks, with 10-15 members attending each Wednesday of the school holidays to participate in various activities.

Special mention to Jerry, who has done a great job with a dedicated group of members in restoring the papier mache animals that are used for Zoo functions and displays, working on the animals on additional Saturday's to the normal activities, as well as during school holidays.Older Zoo Youth members (15-17 year olds) have also been fortunate to help out in the Children's Zoo as an ongoing activity during the school holidays and on weekends. Several members have regularly dedicated their time to the Children's Zoo, and are managed by Deb and her staff in activities such as animal handling, enclosure cleaning and food preparation.

Also, special thanks to one of our Zoo Youth members, Charlotte Jeffery who attended a presentation by Terri Irwin and spoke up about Zoo Youth when it was raised by an audience member that the Zoo didn't offer programs for younger members. Charlotte spoke confidently about Zoo Youth and impressed Kevin Evans, who presented her with a signed copy of Terri's book as a gesture of thanks.

We are currently in planning mode for 2009, with the format changing significantly to a 4 hour time frame every month (except January). The activities will be in-zoo and project based, so members will attend activities to work on a specific project under volunteer supervision. During each time there will also be the opportunity for small groups (depending on the numbers signed up for each activity) to undertake short activities within the Zoo. Matt is currently designing the first project, which will involve the design of a zoo enclosure & the 'ultimate' zoo animal. Each member will work on their own project with the assistance of volunteers, to design and build their model, taking inspiration and ideas from current zoo exhibits. Two trips to Monarto will compliment the in-zoo activities as additional dates.

A big thank you to the keepers who have assisted Zoo Youth this year and provided activities behind the scenes and in the Children's Zoo – these are by far the most popular activities! Also a big thank you to Wally and Emma for organising action-packed OOZEs at Monarto this year.

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Other volunteer operations

The Mallee Minder (MM)group comes each Wednesday to Monarto and the average number of weekly participants has increased again this year, our records show that this year some 720 volunteer days were contributed, the greatest ever. If we consider that MM's work about 5 hours a day this amounts to 1.5 full time people. This does not include the time spent, at "home" by some team members, for example, Glenn Davison on seed drying and cleaning.

About 1350 trees, shrubs and grasses have been planted this year. We are especially proud of our 100 or so Olearia pannosa pannosa seedlings planted at the Visitor Centre. The silver daisy is an endangered species and we have raised about 600 this season and are busy planting them in suitable soils around the Park. They have been in decline in the Park for some time, so it is pleasing to be instrumental in boosting the stocks of this most attractive white flowered daisy.

Seedling production in the Nursery has continued with varying success. We have been able to produce about 3000 seedlings this year but their slow growth has meant that many of them are too small for planting out until later in the season. We have been producing large numbers of golden wattle for planting in the browse area during August and plants for the carbon offset site for the WAZA conference.

The water-testing program has continued for the Murray Darling system and has now been formalized with some volunteers being trained for this ongoing activity. Every two weeks our creek and waterhole water is tested at regular sites and results forwarded to the water watch authorities for inclusion in the Statewide data set.

Weed control continues to be an important aspect of our work with the emphasis turning towards bridal creeper and spreading rust spores.

MZ horticulturist, Tim Jenkins, has continued to provide support and guidance thorough out the year and has been able to get some major projects underway.

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ZOOS

The guided tours at both Adelaide and Monarto have continued to be highlights for many visitors. Guiding at the AZ saw a major change in Feb 08 with the introduction of the Wildlife Walkabout Tour (WWT), this is proving to be most successful with visitors appreciating the efforts of the AZ guides to provide ongoing informative walks throughout the day. The WWT was developed throughout 2007 following a Volunteer workshop in Feb 07, congratulations to all involved and thankyou to Information Centre Volunteers and AZ Guides for making this a success.

New Member Tours are organised and held on the 4th Sunday of each month and have been most popular over the past year with bookings averaging 75 new members each month. The Boileau Guides have also been kept very busy this year assisting with the Behind the Scenes Tours at AZ which is appreciated by both the visitors and the keeping staff.

The Monarto Tour continues to change with the introductions of new species, habitats, viewing platforms and the ever continuing growth in visitor numbers. The Monarto Guides take this in their stride. Static Guiding at Monarto on the Cheetah Platform and the new Windana platform at the Lions and African Painted Dog habitats is now part of the daily guide duties. The Monarto Guides continue to be the public face of the visitor experience and are vital to the successful operations at Monarto Zoo. Children's Zoo Volunteers have continued to provide much needed help for the Keepers in this area as they interact with the public, children big and small and of all ages.

Our Cadaver group have also worked hard in keeping our touch-tables interesting and educational with skins and biofacts.

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Zoowatch during the '07-'08 period has conducted the following watches:

A watch on the Herb feeder introduced for the Mandrills

Cerval & Caricol enclosure watch

Bongo watch on female to monitor her oestrogen cycle

Bongo Introduction Watch

Lion Introduction watch AZ

Lyrebird watch for enclosure usage

Lyrebird watch for introduction of male

Golden Lion Tamarin and Black Lion Tamarin Introduction watch

Syrian Brown Bear watch

100 Volunteers have been involved with these watches totalling approx 500 hours of Zoowatching for the year. Providing invaluable information and assistance for the keeping staff.

The Bird Survey continues to involve Zoowatch Volunteers supervised by Tim Nielson, Assistant Curator Birds.

It has been a sad year for the Pelican Survey group with bad weather, king tides and feral animals all contributing to no young pelicans for the season, it was also noticed that there were no young cormorants, ibis, spoon bills or seagulls at the same site. The Survey group will continue monitoring for the next season and hopefully the birds will recover to see a more successful outcome for '08-'09 as was seen in previous years.

Zoowatch has been 'rebuilding' over this period following the management restructure and are working closely with staff upgrading policies and procedures. The Register has been updated following the return of the Volunteer 'Code of Conduct' forms during '07.

Thank you to the staff who continue to support the Zoowatch activities.

Zoos SA Volunteer Off Site Speaker engagements are growing in requests each year and donations for this service range from \$50 to \$500 per talk, these funds go the VRG Australian Native Conservation Fund and during the 07-08 financial year provide over \$5,600.

Volunteers have also assisted with many outside promotions, Zoo events, mailouts and where ever they can help.

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Our fundraising through the AZ Members Activity Group and the Monarto Function Team has seen over \$36,700 be distributed to projects across Adelaide and Monarto Zoos during the 07-08 period, including Echidna research, Mallee Minder equipment, BEEZA equipment, the Chimpanzee Project, Chimpanzee enrichment, shade sails for the Tiger habitat AZ, Vet Centre surveillance equipment, numerous Enrichment items funded for AZ, water trailer for MZ, research student grant, function equipment and a Zoos SA Australian Native conservation project. This is a fantastic effort by all involved and a huge support to our zoos.

The profile of our Volunteer Programs continues to grow and will be further promoted following a successful grant application from 'Community Voices' through the Office for Volunteers to enable the production of a television commercial to recruit volunteers. The project has been completed by Flinders University Screen Studies Department using Zoos SA Volunteers in the commercial.

A 'Positive Ageing Development Grant' was also successful through The Office for Ageing to develop a promotional DVD documenting the work of the current Monarto and Adelaide Zoo Volunteers and the programs available to encourage more seniors to volunteer their time with Zoos SA. Thank you to Di West for her assistance.

Our Volunteers are perhaps are greatest advocates, they contribute what they can to what they believe in and are passionate about. They have passion, interest and belief in our conservation efforts and will tackle almost anything, they do it willingly and extremely well.

Zoos SA Volunteers are not only models for advocacy, they are living examples - conducting themselves in an ethical manner – the fact they are a volunteer – the fact that they put on a uniform is telling people conservation is a good thing. Advocating that people can do something, they all have the skill to do something – like Volunteering – every bit helps conservation.

Our Volunteers come to us from a diverse range of occupations, they undertake a wide range of activities, ages range from 18 years to over 80 and they not only have an enormous amount of enthusiasm but also generate enthusiasm, they tell of their experiences at the Zoo and they do so with passion -

THEY ARE OUR ADVOCATES FOR CONSERVATION.

Thank you to all Zoos SA Staff for their help and support of the Zoos SA Volunteer Programs. A big Thanks you to the Zoos SA Volunteers. Your enthusiasm and dedication is greatly appreciated. You are a wonderful bunch of people.

Sarah Brown

Head of Visitor Experience & Operations

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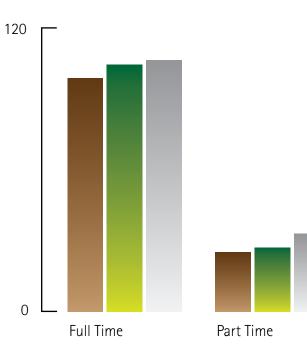
This has been a year of change for Zoos SA, with a number of high profile projects and changes to structure and process at a level not experienced previously. The Human Resources team has undergone an unprecedented amount of staff turnover.

Despite this instability a number of changes have been successfully implemented, not least the commencement of the Management Development Programme and Staff Development programme which includes the Certificate III in Captive Vertebrate Management in partnership with Gilles Plains Tafe and on-site training, lectures and instant access to tutors and Tafe Library resources.

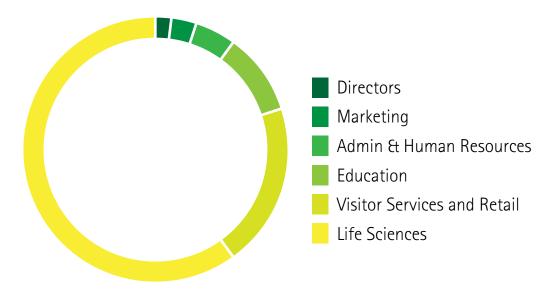
The department is actively working towards a minimum waste approach and introduced e-mail pay slips where possible, this paper free system will be extended once the new IT system is fully operational.

Staff numbers over the last 3 years

There has been some growth in staffing, largely due to collection growth and increasing demands of projects underway. The figures also reflect the number of employees seeking reduced hours to match their work-life balance needs.



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.





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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	11	229409	1827	12	74	29	47.95	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				
				Visitor Incident Frequency
	Incidents	No. of Visitors	VIFR	(%)
Adelaide Zoo	32	358723	89.21	0.009
Monarto Zoo	26	107602	241.63	0.024
Zoos SA	58	466325	165.42	0.012

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.

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



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Industrial Relations

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.



Industrial relations / Occupational Health and Safety - 1 of 2

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Admissions

Adelaide Zoo

After an extremely successful year in 2006/07 where the Zoo featured the Human Zoo, and Gorillas, the 2007/08 year was unable to achieve the same level of attendance. However, with no new exhibits, and construction projects commencing, the attendance results achieved indicated the ongoing support for the Zoo.

Monarto Zoo

With the introduction of the Zu-loop system and the opening of the Giraffe and Cheetah viewing platforms in 2006/07, visitation increased significantly reaching a new record for the Zoo. Despite significant increases in fuel costs, Monarto has been able to increase visitation to a new record in 2007/08.

	2008	2007	Variance
Admissions (Paid)	262,624	298,124	-12.0%
Members	44,654	42,487	+5.1%
Other Admissions (Free)	51,445	47,032	+9.4%
After Hours Functions	11,687	13,147	-11.1%
TOTAL	370,410	400,790	-7.6%

	2008	2007	Variance
Admissions (Paid)	87,801	84,988	+3.3%
Members	11,763	11,618	+1.2%
Other Admissions (Free)	8,038	8,582	-6.3%
After Hours Functions	0	316	0%
TOTAL	107,602	105,504	+2.0%

Total attendances for the last five years were:

Total attendances for the last five years were:

2006/07	400,790	2006/07	105,504
2005/06	380,940	2005/06	86,863
2004/05	372,759	2004/05	98,901
2003/04	378,650	2003/04	94,675
2002/03	334,448	2002/03	65,045



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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.

Occupational health and safety

The Society is committed to ensuring a safe environment for all staff and visitors at both Adelaide Zoo and Monarto Zoo. In this regard, the Society acknowledges the efforts of Peter Collins and Vicky Whiteway and Kevin Evans for the continued improvement in safety at both properties during the year.

The Society appreciates the efforts of the Safety Committees, in dealing with the safety issues at Adelaide Zoo and Monarto Zoo. In particular, the Society acknowledges the efforts of Peter Whitehead who chaired the Safety Committees.



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AKERMAN G L	BUTTERS D	GEISTER C L	JONES J T	MOSS S A
ANDREWS L M	CALLERY S J	GRENFELL J R	JONES P J	MUSCARDIN
ASHTON G W	CARNEY T M B	GUY H R	KATS H	NAIRN D R
AUSTIN R G	CHAUNCY A N	GUY M J	KENT L P	NEINDORF A
AUSTIN T E	CLARK P B	HAKOF D H	KUHNERT D P	NIELSEN T A
BACKHOUSE B	COLLICELLI P	HAKOF J P	LAING M B	NINNES K J
BALTUSSEN N E	COLLINS I Y	HALL S	LANGLEY J N	NORMAN M
BARANIEC T W	COLLINS P H	HAMILTON D	LANGLEY N J	OLIVER A S
BARCLAY K	COLQUHOUN C S	HANLEY L	LETCHER C N	PEDERSON N
BARRY D L	COPELAND J W	HARPER L K	LLOYD K M	PIKE B J
BAXTER T K	СОИСН К М	HAY W	LLOYD M	POHL B E
BAYLY S	CRONIN N G	HAYES J S	LUGG J G	POST M
BEAUCHAMP H	CRUTCHETT J V	HAYES L M	MAC KINNON J M	POYNER M A
BENNETT A J	DALY M	HAYES T	MACCHIA E M	PROBERT R J
BIGWOOD S	DE SILVA M L	HEARN D R	MADON H	RAY J D
BIRD J	DECHELLIS J	HOARE C L	MANNING B C	REDMAN B J
BOARDMAN K J	DELLA J	HOARE L	MANUEL T L	RICE E J
BOARDMAN W S J	DEWHIRST R A	HODSON T J	MARTA J B	RICHARDSON
BOURNE L M	DODD H C	HORTON E K	MCCULLOCH S A	ROBERTSON
BREWER M T	DURDEN K M	HOWARD A C	MCKEE D	ROBINSON J
BRIGHT A M	EVANS K J	HOWLETT H J	MCKEE S J	ROMER C J
BROOKS G F	FAMIGLIETTI N	HUGHES J A	MCPHERSON J	RUSHWORTH
BROWN A J	FEELEY N J	HUNT K L	MESSNER T L	RYKE N
BROWN A J	FISHER S J	IRELAND K	MILLS M	RYLES N D
BROWN S J	FOLEY J	JEFFERIES M	MODRA P S	SANSONE H H
BUCHECKER J A	FOSTER W K	JENKINS T J	MOFFITT J D	SCHULTZ D
BURFORD G L	FRITH M G	JENSEN D M	MOORE J C	SHANAHAN M
BURFORD J M	FULTON C A	JOHNSON L M	MORLEY T P	SKEWES P J
BURNS H A	GARDNER J W	JOHNSON M C	MOSER L	SKIPPER G

٨	SMITH A J
DIN S A	SMITH I G
R	SOUTHAM R R
FAM	STAPLETON P J
ГА	STILL E V
(J	STOCKBURGER L E
M D	TAGGART D A
S	TAYLOR H M
ΝΜΚ	THOMAN G A
	THOMAS C M
	THOMAS R J
	TILGALS K B
AN	TOMKINSON N A
R J	TRABILSIE J
	TSIMOPOULOS L
BJ	TSIROS S
	VODIC L M
SON D W	WASHFORD S K
ON M I	WEST C D
NJ	WESTLAKE G
: J	WHITEHEAD P
RTH C L	WHITEWAY V A
	WHITFORD H R
D	WILLIS A
ЕНК	WILSON V K
D	YENGI E D
AN M W	YORATH W
J	ZADOW K L
3	ZRINSKI-SMITH E

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Life Member List

Honarary Li	fe Members
NAME	SURNAME
George	Purkiss
David	Minear
Nick	Cureton
Alf	Prade
David	Attenborough
Edward J	Mc Alister

Life Members

SURNAME

NAME

Audrey K A Abbie Joel Anderson Rebecca Anderson K Luise Andrewartha JHF Angas Carina Angelo Stentiford Ruth A Robinson Georgina S Victoria J Riggs ΜE Athawes Athersmith Joan Norman Athersmith M Ruth Aulton JΕ Barker Jennifer M Barker Katherine M Barratt Barratt Nicholas J Peter C Barratt Cynthia R Barrett Jeffery C Barrett Mal Benton Maxine E Besanko Ronald F Bickford Alice Hancock Birks Benjamin N Daniel N Birks Nicholas N Birks

Joseph Diana Michael Doug J Patricia В James V Sally F Esther E Gillian Robin СМ Geoffrey Jane Patricia GΒ Gwynne JRD Jordan Madelin RΕ Theodor FΡ ΡМ Janet W Charles GΒ John C Josephi ΜA Paul J Timothy Stroma Alec Nina David P John M Barbara ΡJ Charles

	Black
	Bleby
ΙA	Blinman
	Bloomfield
l	Bockner
	Bosio
V S	Bowen
	Boxall
E	Breed
	Briggs
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D	Burfield
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уP	Burfield
	Buttrose
	Campbell
	Campbell
)	Cann
RL	Castle
a F	Chapman
	Charles

Christian O A M Margaret E Lissa Claridge Elizabeth Reid Margaret A Clements Phillip J Coles Elizabeth L Collins David F Cornell Cornell Kathleen L Amanda M Cowan Alexandra P Cowan Colin L Cowan Dedman Emma M Cowan James M ΜW Crabbe Stephanie A Croshaw Poppy K Davenport Helen J Davey Peter A S Davidson Alexandra J Frisby Selena M Smith De Meyrick Tom Harry M Dean Susan Denman David R Denton Elspeth M Doman Paul Drew Jacqueline M Driver Driver Myme R Peter S Driver Samuel Mc Kellar Driver Isabel F Drummond DJ Dudley Raymond A Duncan John H Dutton Colleen Eddie Julie P Rose Ellis Μ James L G Elmslie Jack Epps

Len Essery Peter L Ey Alastair M Fearn Fell Bruce J Robyn J Ferguson Samuel J Ferguson ΑR Fisher Cynthia Fleming lan C Fletcher John T Follett Xenia Hone GΕ Ford Leonie A Ford Frank R B Forwood Jennifer Costi RL Freney Beverley G Fryer JR Casley-Smith Andrew J Fuller David A Fuller Fuller Jane Richard H Fuller Susan Fuller Jennifer S Gaetjens J Gardiner Michael J Gardiner Gwendoline R Gayler Gaynor A Genders John G Geschmay ВΜ Gilchrist Gilchrist Peter Peter M Gillespie Jonathan M Gilpin Michael J Gilpin Skye Jarvis M Llovd Goss Hamish A E Gosse Jock V E Gosse Kirsty A E Gosse

	Cassa
Lachlan M E	Gosse
Nigel G E	Gosse
Samuel C	Gosse
Yvonne A	Gosse
Gordon R	Graham
Kym H	Grandison
A John	Green
James	Grose
Lachlan	Grose
MJ	Grund
Patricia A	Hall
Deborah A	Hamilton
Michael	Hamilton
Erica	Handley
Mary G	Handley
Rosemary	Hanson
Sheilagh A	Hardy
Alastair D J	Harris
Alfred J	Harris
Amanda J	Pryor
Austin A	Harris
James D	Harris
James M R	Harris
Kristina H	Turner
Richard J D	Harris
Sharon L	Harris
Paul F	Harrison
Helen	Harrod
D	Harvey
Gary	Hawke
WR	Hawkes
FD	Нау
Dianne	Haywood
David A M	Hele
Sarah	Hignett
Ron S	Hill
Bronwyn	Bentley
, Margaret J	, Hone
Robert	Host

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James H D	Hugo
Benjamin J	Humphry
Matthew E	Humphry
Margaret	Humphry
Michael J	Hunter
Peter G	Hurst
СТ	James
Sally A	Simpson
Rodney J	Jenkins
Mary P H	Jepson
Peter C J	Joseph
Lynne C	Pullman
Ross	Kelly
Colin G	Kernick
Jillian	Congedi
Lorraine M C	Kernick
Bruce S	King
Margaret K	King
AB	Kinnear
John	Kirk
Richard P	Krantz
Shane R	Kuchel
Timothy R	Kuchel
David C	Lake
ΚE	Lancaster
Delcie H	Norton
Catherine A	Laughlin
Roger	Laughlin
Marlene R	Leach
Elizabeth C	Le Messurier
Colin	Lendon
Peter	Llewellyn
Beryl L	Lloyd
AC	Lucas
Peter	Lynch
John B	Mac Kinnon
BH	Mac Lachlan
Elizabeth A	Macmahon
Paul	Martin
Robert	Martin
Tom	
	Matters
Anne	Мауо

Pamela	Мауо
Patricia A	Mc Bride
Alasdair	Mc Gregor O
Felicity E	Mc Innes
AL	Mc Laughlin
Nicholas C	Mc Shane
Ann P	Le Cornu
Anthea J	Mercer
Graham E	Mercer
Vicki E	Mildren
Kay I	Millar
, Mary P	Millington
Alexandra	Powery
J	Milne
- Michael	Milne
Robin K	Milne
Richard	Milne
Victoria	Milne
Richard Mac	Minchin
Kenneth W	Minne
B John	Minney
Margaret J	Minney
Mark	Moody
John C	Morphett
BE	Moore
R	Moore
Henry	Morgan
Peter	Morgan
William A	Moser
H W	Mueller
Geoffrey J	Munday
Celia C	Munro
FI	
	Munro
V J	Nyfort-Hanse
Hamish A	Murray
Andrew F	Nankivell
DJ	Needham
Clive H	Newland
Maureen	Owen
GW	Page
Adrienne W	Paton
RL	Patterson

Susan M Sofia or O A M Christopher Jennifer A Alan N JΕ Dorothy M Deidre Russell S Lynette Reg ΡR D RTW LC Helen Julie G Marian R Barbara ΕJ Chris Fiona JJ Shauna Paul A DΚ Thomas M Sallie David ΡJ C Robert ΑM lansen Conor W Dashiel JΜ John O Kathryn M Lars C Mark A ΝP

Paul Kennedy Peters Tuttle Powell Pullman Pyatt Samantha M Tonkin Rae Ralph Raniolo Read Reeves Reid Reid Richards Hillman Machin Palmer Riggs Owen Robinson Roche Roche A M Roche Robert John Rogers Rosenzweig Rushton Rymill Butterfield Schultz Scott Shuttleworth Simpson Simpson Simpson Simpson Simpson Simpson Sverdvik Simpson Simpson

РР	Simpson
P R	Simpson
ТВ	Simpson
TR	Simpson
WF	Simpson
Z	Simpson
llona	Sisolefsky
Elizabeth A	Skipper
Janet H	Mackie
Raymond I	Sommerville
Jennifer	Soulsby
Joyce M	Stapledon
George W	Staples
Julie N	Ross- Spooner
lan M	Steele
Roberta F	Steele
Elizabeth	Stenson
Dianne M	Steventon
Robyn M	Stokes
Shylie M	Kenihan-Seppe
PFG	Sunman
James	Sutton
Kathleen M	Тау
AR	Taylor
Paul S	Thesinger
Bruce E	Thompson
Robert W	Tinker
Brian S	Tinning
Timothy D	Tolley
Valerie	Trueman
Valerie	Turner
Bryan	Tunstill
G B	Tunstill
Tammy D	Utteridge
Marijan	Vade
D	Veale
Anne	Wadlow
Arthur N	Wadlow
ΡF	Waller
Richard T	Walsh
ΤM	Warnes
Christopher D	Watson

CHS	Watts
Clive	Watts
Malim	Watts
Marion	Wells
Timothy A K	Wendt
Murray B	West
MG	Whitehead
Timothy J	Willoughby
Thomas	Williams
Wanda B	Williams
Rosemary	Mussared
АВС	Wilson
Vaughan	Wilson
David A	Worthley
Christopher	Wren
David J	Wyness
David	Yeo
Peter D	Yeo
Wendy	Wycherley
Elizabeth J	Watson
Jo	James
Susan	Reeve
WA	Lewis
Jeanne R	Laird
Penelope A	Paton
Stephanie	Denton
Brian G	Sandow
Lionel	Peisley
Ann	Peisley
Anne E	Fisher
Thomas P	Simpson
Kevin	Bonnell
Martin A	Wimmer
Anna	Scammell
Angus K	Farrar
Joanne L	Baulderstone
Barbara D	Tapscott
Peter	Guest
Rory P	Simpson
Matthew P	Simpson
William P	Simpson
Heather M	Barnes

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Ray	King
Pamela	Scanlon
Pat R	Ottomers
Elaine J	Damm
Helen H	Mc Cutcheon
Una S J	Clifford
GC	Burrow
Malcolm R	Adam
Leonie	Shore
Ray	Taylor
Amanda	Vanstone
Joy A	Langford
Rodney	Hurley
Douglas F	Treharne
Mary I	Downer
Poh Lian	Tan
Peter	Millington
Elizabeth	Angove
Nancy	Gilbert
Trevor W	Wingard
Sally J	Ross
Amanda	Abbott
Malcolm H	Miller
Virginia	Barber
Julia M	Nicholls
Christopher F	
Ann E	Horan
Peter J	Cundy
Carole	Williams
Jennifer	Alde
Anatoli	Kushelew
Valerie	King
David	Handley
Emma V M	Derwas
Fay E	Goldsworthy
Christine	Adams
Frank	Share
Peter John	Vovers
Sophia	Czechowicz
Barbara	Goodman
Nicole	Marshall
Michael W K	Symons

Helen	Galloway
Allan	Whittingham
Rosemary H S	5
Clive L	Penn
Scott	Mesecke
Lyn O'Hallorar	
Giles	1
Airlie P	Simpson
Matilda	Simpson
Marie D	Prisk
Jonathan	Inge
Catherine	Angove
Amanda	Morrison
Alastair V	Harry
Richard J	Harry
Kirsten P	Dunn
Carol A	Hillier
	Westbrook
Tiffany	
Margaret	Neagle
Angela	Stewart
Sheridan A	Brand
Ann Triab	Winter
Trish	Mc Millan
David	Martin
Silvio	Apponyi
Lucinda	O'Halloran-Giles
Pauline	Terry-Beitz
Susan	Walsh
Margaret F	Cunningham
Deirdre	Tidswell
Anthony	Taylor
Merilyn	Fischer
Kerry O	Cox
Louise	Day
Lindsay P	Shoubridge
Aliceann	Philbrook
Donna	George
Ellen K	Rawlings
Robert	May
William E	Sperber
Beth	Styles
Monica M	Reynolds

Ingoldby James Tayles-Ra Teddy E Joshua F Droogan-Patricia Matthews Wayne Steinwed Emily A Mickan Julia E Mickan Helen Carey Matthew J Lloyd Russell Page Rosslyn L Kruger Joshua Sullivan Alfred Lauren Michael Alfred R Digby Pridmore Gibson Margaret Brian T Hutchisor Kathleen M Bentley Gilchrist Jock Timothy Gilchrist Nield Susan John Kingwell Joan Torode Nick Rose Dr C.M. Chabrel Jennifer Thurmer Mary B Harvey Richard Kimber Denis Hehir Joanne Rossiter White Antonia Janet Patterson Fok Clarence Lynette Arden Colin S Flint Tatiana Lambert Guy D Tunstill Mary L Harrison Jade Wicks Fiona Thomson Raelene Schwerdt Benjamin Luxton

	Andrew	Hunter
atcliffe	Gaynor	Furnell
-Turniski	Jean V	Oughton
S	Jan	Tottman
el	Jennifer K	Birks
	Thomas	Adams
	James	Adams
	Jean	Grieve
	Andrew	Dibden
	Eloise	Dibden
	Rochelle	Thiele
	Tiahna	Thiele
	Graham	Knighton
	Gretel M	Stanbury
	Bob	Baskerville
	Jacqui	Baskerville
n	Oonagh	Colbeck
	Grace	Putna
	Cornelia	Judson
	Felicity	Schrapel
	Phillip	Northeast
	Cassia	Merrett
	Meg	Thomas
	Kathryn-Mary	
	Michael	Gray
	C Keith	Holliday
	Steve	Gray
	Marilyn (Sue)	Nudl
	Rob	Morrison
	Melody	Boxall
	Richard	Bartholoma
ı	Rosemary	Luxton
1	Paul	Scott
	Lyn	Pederson
	Eleanor	Pyne
	Dymphna	Antic
	Michelle	Bowe
	Charlotte N	
		Bright Caddick
	Heather	Caddick
_	Sue	Daugherty
t	Kevin	Folland
	Julia	Gregory

Michael	Johnson
Anna N	Lester
Peter	Mellor
Michael	Newton
Jocelyn J	Parsons
Cliff	Rothenberg
Karin	Woithe
Joan S	Warhurst
Gail	Westlake
Kirsty	Wills
Meredith A	Grantham
Brian	Foot
William	Maddison
Susan	Young
Leanne	Hill
Graeme	Butler
Patricia	Тасеу
Rosemary	Collins
Shelagh	Fahy
Lesley	Mackenzie
Eileen	Wood
Maureen J	Cussans
Alisa	Chan
Naomi	Chan
Carol	Ward
Susan	Hooper
Margaret	Snodgrass
Mayda	Alexandrides
Michael	Aquilina
Marie	Mc Donald
Sophia	Tran
Nicholas	Tran
Mark	Divito
Matthew	Pilla
Leigh	Lapidge
Nick	Minchin
Kaelene	Semmler
lan	Williams
Christopher	Carter
Helen	Ward
Gisela	Singer
Frances M	Nicoll

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Brian	Doidge	Arabella	Wauchope	Peter	Strudwick	Dianne	O' Connell
Susan	Kelly	Mark	Hender	Mark	Craig	Murray	Ness
Laura	Fuss	Sarah	Hender	Anne	Moritz	Terry	Hall
Michael	Balin	Phoebe	Hender	Jan	Pek	Patricia A	Michell
Craig	Stevens	Harriet	Hender	Glynis	Varvounis	A Neil	Killmier
Jill	Morrell	Solveig	Grenfell	David	Crompton	Alan	King O B E
Sandra J	Shepherd	Norma	Kent	Terry	Kavanagh	Jenny	Holland
Malcolm	Mc Donald	Josephine	Prescott	Carol	Seeliger	Judith	Bowler
Jennie	Hackett	Kate	Mansfield	Cathy	Fowler	Helen	Spencer
Renee	Rechichi	Samantha	Ding	Betty	Mack	Michael A	Joseph
Graham G	Reade	John	Rischbieth	Elizabeth	Crawley	Michael	Mc Evoy
Nicola	Tulk	Caroline	Gill	Catharine	Bonython	Heather	Felgate
Paul	Groundwater	Karen	Gill	Janyne	Taylor	Susan	Harris
Leanne	Hampel	Elka	Warburton- Scott	Merrin	Barrett	Peter	Donnelly
Hazel	Hughes	Edward	Braddock	Janet	Taylor	Valerie N	Bickley
Ruth	Richmond	Barbara	Stoneman	Erika	Vickery	Terri	Whitworth
Tony	Lewis	Dave	Costello	Caroline	Alde	Jon	Holton
Helen	Williams	Kathy	Bray	Katharine	Francis	Eileen	Dunn
Janet	Rover	Joy	Kelly	James	Hazzard	Michele	Bain Cureton
Rosemary	Hocking	Donald	Howell	Rick	Janssan	Siegfried	Skepton
Alan	Bohn	Bowen	Martin	Stella	Edwards	Wendy	Raymond
Rosemary	Bohn	Linda J	Kinnaird	Cynthia	Pyle	Jennifer	Gilbert
Fiona	Shukla	Merri	Wickes	Frances	Robertson	Sarah	Last
Jennifer	Hayes	Colin	Causer	Juleen	Gray	Bronwyn	Littler
Trevor	Hampel	Noel	Taplin	Pamela	Melville	Grace	Fielden
Geoffrey	Hackett-Jones	Tyler	Roennfeldt-Philp	Kristen	Taylor	Margaret	Hall
Penelope	Hackett-Jones	Mary	Williams	Brian	Matthews	Janet	Heames
Angus	Kelson	Dora	Peno	Jennifer	Ewer	Lee	Davies
James	Cleland	Barnaby	Caddick	Lisa	Fauser	GΜ	Birkett
John	Franklin	Alfred	Caddick	Patricia	Ryan	Brian	Withers
Jeff	Folland	Toby	Caddick	David	Seymour-Smith	Michael	Maier
Annette	Atwell	Mac	Boyle	David	Lee	Sharyn	Sinclair-Hannock
Robert	Gerard	Heather	Coutts	Annette	Filby	Stephen	Gill
Fay	Gerard	Barbara	Gardiner	Ruth	Borthwick	Jacinta	Dickins
Jeffrey	Barbara	Rachel	Norris	Ryan	Stuart	Sibohn	Merenda
Jean	Watts	Christine M	Holder	, Maurice	Fairhead	Anthony	Arnott
Pamela	Freeman	Flora	Elliott	Kenneth A	Bowden	Luisa	Aquilina
Josephine	Bide	Meryl J	Frith	Robert J	Coulthard	Gloria	Trott
Helen	Goldney	Alison	Schahinger	Rick	Michell	Tracey	Hill
Jeanette	Fryar	Joanne	Fisher	Kerryn L	Coombs	Brian	Yeend
Amelia	Redman	Janet	Peter	Prudence	Nobbs	Elizabeth	Chye
Timothy	Redman	Evelyn	Catt	Janet A	Johnston	Graham	Joyce

Susan	Wilson
Denise	Wilson
Robert	England
Meredith	Wyles
Sallie	Willis
Graeme	Piercy
Christine	Jamieson
Elliott	Hill
Glenys	Schahinger
Jeannie	Gregory
Robin	Joseph
Phillip	Harris
Elizabeth	Jordan
Kathy	Jones
Vicki	Minear
Tom	Whitworth
Jacqui	Wilson
Jenny	Fairnington
Kaylene	Kates
Rita	Bretag
Kathleen	Millard
Claire	Sewell
Ruth	Solly
Emily	Brown
Karen	Alchin
Julia	Nayda
Peter	, Nayda
Chris	, Hannocks
Pam	Cross
Peter	Lorimer O A M
Claire	Brown
Imogen	Hughes
Cameron	Hughes
Helen	Stephenson
Anne	Ness
Alexandra	Fowler
Jeanette	Spencer
Nicole	Holton
Greg	Ormsby
Susan	Kubank
Julie	Cadd
Andrew	Cadd
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Matthew	Cadd	Janice	Schutze	Joan	Lyons	Hans	Huemmer
Val	Joyce	Peter	Mann	Scott	Cunningham	Ellie	Vaughan
Heather	Scribner	Robyn	Williams	Jayne	Taylor	Bernard	Buterin
Emily	Davies	Sally	Gall	Sandy	Gunter	Hayden	Evans
Margaret	Mc Alister	Nan	Sharp	Gerry	Carr	Jessica	Cadd
Mark	Jordan	Anne	lde	Susanne	Bormann-Ziersch	Elisabeth	Westphal
Megan	Vovers	Maria	Britton	lsabella	Ioanni	Iris	Hudson
Lorraine	Doyle	Marie	Anderson	Robyn	Mc Lean	Kathy	Hennessy
Rachel	Coombs	Mary	Grant	Tom	Kaiwahia	Liza	Trim
Andrew	Donnelly	William	Griggs	Clive	Blaser	Sarah	Pfeiffer
Grace	Hollywood	Anita	Oliver	Margaret	Blaser	Terry	Whittle
Amy	Coombs	Ben	Bailey	Karen	West	Rosalie	Smith
Neil	Trott	William	Passmore	Jennifer	Baulderstone	lsabel	Suter
Lynette	Trott	Anne	Oliver	Debra	Frahn	Jann	Partridge
Stephanie	Eastick	Ros	Smith	Collette	Williamson	Sandra	White
Joanne	Hamlyn	Allan	Jones	Laurel	Payne	Margaret	Mc Evoy
Jane	Anderson	Michael	Everitt	Mikayla	Rose- Brumby	Leonie	Johansson
Robert	Sexton	Judith	Cresswell	Pamela K	Mc Innes	Jennett	Laintoll
Fern	Raintree	Lee	Reemst	Derek	Smith	John- Joe	Reilly
Mary	Hall	Roger	Ainsley	Alan	Gray	Sonia	, Clarke
Anna	Frayne	Beryl	Österman	Mervyn	Jacobson	Robyn	Sparrow
Sandy	Kastanos	Carolyn	Manning	Naomi	Jolly	Sarah	Bau
, Hayley	Miller	Marilyn	Henderson	Gwen	Chambers	Grant	Paterson
Henry	Akkermans	, Heather	Northeast	Jean	Moss	Matthew	Hill
, Marie	Wright	Christine	Gell	Meryl	Воу	Emily	Cohen
Nicolaas	Visser	Paul	Richmond	, Christine	, Pickard	Paige	Rice
Wendy	Mc Keown	Matt	Michaelis	Carolyn	Crowley	Lyndall	Finn
, A. Isabel	Barnes	Jan	Brand	, Pam	, Di Lorenzo	, Kathryn	Sergeant
Peggy	Whitson	Andrew	Bowe	Alastair	Mc Millan	Georgia	Norman
Christine	Harris	Keegan	Wilson	Carla	Litchfield	Hugh	Kerr- Grant
Barbara	Styles	Callie	Wilson	Stuart	Dillon	Malcolm	Kerr Grant
Joy	Giles	Henry	Short	Brian	Harris	lan	Grant
, Yvette	Black	Pat	Jennings	Christopher	Gray	Mary Ann	Grant
Steven	Edgecombe	Angela	Booy	Lisa	Barnett	, Edward	Roberts
Chris	Bryant	Michelle	Newton	Jack	Hughes	Helen	Clifton
Jenny	Grace	James	Barber	Miryana	Landherr	Don	Clifton
Marianne	Macolino	Adam	Barber	Julia	Landherr	Liam	Alchin
Carol	Zundel	Samuel	Craven	Marlene	Cameron- Smith	Joshua	Badcock
Karen	Hunt	John	Murch	Allan	Bretag	Ernst	Kirsten
Nita	Clifton	Kevin	Mc Guinness	Egilda	Colaruotolo	Diane	Mc Kenzie
Diana	Goldsmith	Erin	Matushik	Fiona	Barrowman	Anne	Gayler

0.1	. .
Gail	Brimson
Peter	Kirkpatrick
Carly	Payne
Kevin	Wright
Thomas	Hughes
Jacie	Taylor
Susie	Ryan
Helma	Heinsberg
Paulina	Cudmore
Jan	Cecchi
John	Cecchi
Gordon	Pickard A M
John	Lambert
William	Akkermans
John	Waddy
Doody	Taylor
Margaret	Mackintosh
lan	Mackintosh
Kate	Hartwig
Susan	Gristwood
John	Garde
Stacia	Sorensen
Rudy	Farrugia
Naomi	Elsdon
Brian	O' Gallagher
Nick	Johnson
Phoebe	Parker
Peter	Jennings
Craig	Westbury
Angela	Parker
Michael	Tilley
Suzanne	Tilley
Tamara	Tilley
Jared	Tilley
Katrine	Lutze
Anna	Morrison
Sue	Moffitt
Nina	Doe
S James	Lorimer - Jordan
Bob	Harnas
Alexander	Ioanni
Briony	Mc Michael

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Roger Edward	Koch
Deborah	Machell
Alice	Thorn
Hayley	Tindle
Rebecca	Macardle
Joy	Blanch
Simon	Ruciak
Julie- Anne	Martin
Sarah	Akkermans
Julie	Verco
Andrew H	Taplin
Lyn	Lillecrapp
Heather	Macdonald
Lea	Semmler
Christopher	Marshall
Trevor	Wood
Alexandra	Farrugia
Max	Michaelis
David	Frede
Chris	Jones
Leopold Bujul	Flugelman
Fran	Schultz
Sharon	Sutton
Carolyn	Mitchell
William Aaro	Fowler
Suzanne Esth	Fowler
Shane	Doyle
Philip George	Donnelly
Keith	Arnold
Karen	Davidson
William	Mc Connell
Kerstin R	Caddick
Judith	Colllins
Marcella	Tolley
Madeleine	Lorimer- Jordan
Brook Taylor	Moore
Glen	Crittenden
Carolyn	Hoare
Anne	Krishnan
Kathy	Harbison
Michael	Tunstill
Kym	Tilgals

Charles Richard Milne Werner Zur Eich Gehan Marie Pamela Cheesman Campbell Ruth Myra Andrea Mc Cullagh Dundon Josephine Keith Pittman Cheryl J A Gray Joel Michael Martin Jessica Grace Martin Stamatopoulos Lauren Peter Stamatopoulos Sarah Bailes Matthew Bailes Allan Georgia Phoebe Allan Clarice Buterin Martin Jefferies Lynette Burnett Carol Sheldrick Oliver J Grieve Thomas Evans Lorraine Franzin Martin Jefferies Ninnes Kerry Henryk Madon Hakof Jason Terrence Morley Kym Tilgals Stephen Hall Colin Colquhoun John Crutchett Gert Skipper Jim Foley Deirdre Irene Murch Darren Foreman Bootsman Margaret Imari K M Gibson Vicky Crittenden Kelvin Anna

Liz Higgins Amelia Morrison Lucy M Hughes Caddick Tilda Elle Alison Michell Michell James Goldsmith Trim Billy Adrian Aird Goldsmith Trim Daisy Olivia Alice Goldsmith Zara Skye Trim Poppie Diana Goldsmith Bradley Gray Melanie Casey John Yates Jordan Kruger Anjalie Kruger Rylee Kruger William Dawes Thomas Dawes Robert Hugh Grant Deni Williams Daniel Congedi Sandra Skully Eric John Jones Diana L Jemson Rebecca Rammell Rodney Tunstill Angus D Tolley Jessica Farrugia Colin J Wallis Djurasevich Darcy Hodgson Joanne Caitlin Jackson Jessica Lily Humphry George Anthony Andrew L. J. Stocks Emily Reeve John D. Cudmore Kirsty Smith Bottroff Lisa Elisabeth Roosedaal

Laycock Laycock Glatz Edward Brko Isabella

James

Henry

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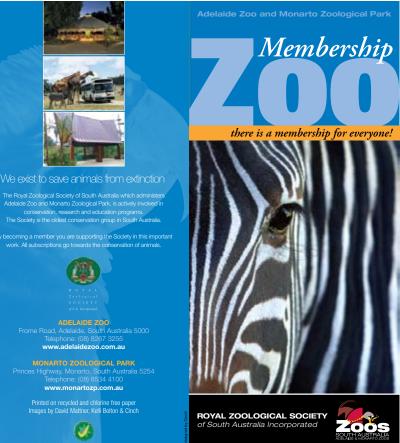
Staff - Surname and Initial Publications and Presentations Life Member List Membership and Animal Adoption Brochures Acknowledgements **Financial Statements**



Membership and Animal Adoption Brochures

Name MR/ MRS/ MS/ MISS/ DR	
Address	
Pos	t Code
Telephone (H) (W)	
Please post this membership to: Member	Me
Future renewals should be sent to: Member	Me
Automatic Renewal Option	
Please renew my membership each year by de annual membership fee from my credit card ac until I notify you otherwise.	
Please include a tax deductible donation of \$, with my membership renewal each year. (a receiption of a receiption of a second seco	ot will be posted to you.)
Signature Date	/ /
All donat The Royal Zoological Society of South Australia for require so in order to provide you with information about membership ser provide all of the information requested, we may be unable to benefits of membership.	ions are tax deductible our personal information vices. If you fail to provide you with the
We may disclose the personal information collected to organis	ations whose sime
and objectives are consistent with those of the Society, However, we do not disclose your presonal information to other organisis the box. Please note that you are able to access personal informating an application in writing. I / We agree to support the Aim and Objectives and the Rules Society of South Australa Inc.	ver, if you prefer that ations, please tick rmation held by us by
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and objective are consistent with three of the Society, However,	ver, dryu prefer that metaion held by us by of the Royal Zodogical (Control Co

Joining fee	\$20
Adult	\$80
Student	\$52
Child	\$46
ANNUAL FAMILY MEMBERSHIP	
Joining fee	\$20
1st Adult family	\$80
1st Adult family/student	\$52
(must be 15+)	
Extra family adult	\$40
Extra family student	\$35
Extra family child	\$23
LIFE MEMBERSHIP	\$1,650
GOLD ANNUAL INDIVIDUAL MEMB	ERSHIP
Joining Fee	\$20
Adult	\$240
Student	\$156
Child	\$138
GOLD ANNUAL FAMILY MEMBERS	HIP
Joining fee	\$20
1st Adult family	\$240
1st Adult family/student	\$156
(must be 15+)	
Extra family adult	\$120
Extra family student	\$105
Extra family child	\$69
CORPORATE MEMBERSHIP	
Sliding scale of discount off total annual r	
10>25 employees	10% c
26>50 employees	15% c
51>75 employees	20% c
76+ employees	25% c
Example: A company with 23 employees wou member. (The company therefore falls under the slidi employees and qualifies for the 10% total membership	ng discount scale of 10.



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.



10NARTO 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 orvx 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 quiet browse through our gift shop or a delicious meal in our delightful bistro-style cafe

ANNUAL MEMBERSHIP BENEFITS

As a Annual member you will receive: Free zoo entry to Adelaide Zoo, Monarto Zoological Park, Perth Zoo, Nelbourne Zoo, Taronga Park Zoo, Healsville Sanctuary, Western Plains Zoo (As well as selected other Australian Zoos)

• 10% discount at Adelaide and Monarto Zoo Shops (Excludes books, film and discounted stock) Free one year subscription to Zoo Times maga (Featuring the latest zoo and conservation news, as well as zoo competitions and members' information)

Special 'Behind the Scenes' tour

of annual membership in addition to:

children to Adelaide Zoo or Monarto Zoological Park with or without the life member Life member certificate

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

D ANNUAL MEMBERSHIP BENEFIT As a Gold member you will receive all of the benefits

of annual membership in addition to: Ability to bring one person to Adelaide Zoo or Monarto Zoological Park free of charge, when accompanied by

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

Gold member's pin

 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'

programs (20% off)

CORPORATE MEMBERSHIP BENEFITS Corporate members can join their family under the orporate membership sche

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 subscr on to Zoo E-news (Members only e



ONSERVATION FRIEND OF

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 category is 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

GOLD Please tick one animal ti African lion A Emu G 🗌 Iguana 📃 Su Oriental small-clawed *Please note that these are

• Free one year subscription to Zoo E-news (Members only email) LIFE MEMBERSHIP BENEFITS As a Life member you will receive all of the benefits

 Life member badge One non-transferable pass

One transferable pass that admits either one adult or two

Application form

ANNUAL MEN

LIFE MEMBER

Name MB/MB9

Date of Birth

Telephone (H)

Address

Mobile Email

Name

Email

Name

Email

Name

Email

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Membership and Animal Adoption Brochures



Chris West Chief Executive Officer

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





If you are purchasing this as a gift, please include you

Postcode I would like more information on Bequests I would like more information on the Future Zoo Foundation

to my credit card (details below) Mastercard O Visa 🔘

(*Cheques to be made payable to: Royal Zoological Society of SA Inc.)

Automatic Renewal Option Please renew my membership each year by deducting the annual membership fee from credit card account (details above until I notify you otherwise.

Please 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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Photography

Dave Mattner

Design



Due to environmental reasons the Annual Report has been presented in a CD-ROM format.



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Financial Statements

Royal Zoological Society of South Australia Inc.

Extracts from the audited financial reports Income statement - Year ended 30 June 2008

	Note	2008 \$	2007 \$
Revenue	1	Ψ 12,000,134	↓ 13,510,500
Other income	1	-	7,000
		12,000,134	13,517,500
Salaries, Wages & On-Costs		(7,776,282)	(6,966,246)
Animal Care		(634,113)	(511,842)
Maintenance Consumables		(940,300)	(990,460)
Cost of Sales		(337,816)	(428,254)
Conservation & Research Projects		(419,903)	(228,286)
Utilities		(273,337)	(247,908)
Marketing & Promotion		(629,773)	(417,103)
Safari & Other Tour Costs		(674,635)	(537,599)
Depreciation		(846,089)	(785,902)
Printing		(211,145)	(212,007)
Other Expenses		(751,279)	(851,316)
	1	(13,496,672)	(12,176,923)
Profit before financing income		(1,494,538)	1,340,577
Financial income		360,688	172,345
Financial expenses		(33,631)	(68,399)
Net financing income	2	327,057	103,946
Profit/(Loss) for the Period		(1,167,481)	1,444,523

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Royal Zoological Society of South Australia Inc.

Extracts from the audited financial reports Balance Sheet as at 30 June 2008

	2008	2007
	\$	\$
CURRENT ASSETS		
Cash and Cash Equivalents	19,200,370	772,740
Receivables and Prepayments	612,804	447,283
Inventories	168,572	215,684
Total Current Assets	19,981,746	1,435,707
NON-CURRENT ASSETS		
Available-for-sale Investments	596,737	928,466
Property, Plant and Equipment	16,246,464	13,543,126
Total Non-Current Assets	16,843,201	14,471,592
TOTAL ASSETS	36,824,947	15,907,299
CURRENT LIABILITIES		
Loans and Borrowings	1,725,160	25,006
Sundry Creditors	23,102,011	2,769,095
Other Loans – Unsecured	25,000	50,000
Employee Benefits	1,107,297	989,022
Total Current Liabilities	25,959,468	3,833,123
NON CURRENT LIABILITIES		
Loans and Borrowings	157,450	-
Other Loans - Unsecured	-	25,000
Employee Benefits	296,934	292,721
Total Non Current Liabilities	454,384	317,721
TOTAL LIABILITIES	26,413,852	4,150,844
NET ASSETS	10,411,095	11,756,455
Reserves	62,571	240,450
Retained Funds	10,348,524	11,516,005
ACCUMULATED FUNDS	10,411,095	11,756,455

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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 2008

	2008	2007
	\$	\$
	Inflows	Inflows
	(Outflows)	(Outflows)
CASH FLOWS FROM OPERATING ACTIVITIES		
RECEIPTS		
User Charges	7,751,256	7,422,016
Donations, Bequests and Sponsorships	508,641	2,629,657
PAYMENTS		
Wages and Salaries	(7,622,274)	(6,808,828)
Suppliers	(4,582,027)	(4,106,238)
Other	(419,903)	(228,286)
Net Cash Provided by/(Used in) Operating Activities	(4,364,307)	(1,091,679)
CASH FLOWS FROM CAPITAL AND INVESTING ACTIVITIES		
Purchase of available-for-sale investments	(87,590)	(399,375)
Purchase of Property, Plant and Equipment	(3,549,427)	(1,022,200)
Proceeds from sale of available-for-sale investments	398,270	391,497
Interest and dividends received	203,858	154,983
Net Cash Provided by/(Used in) Capital and Investing Activities	(3,034,889)	(875,095)
CASH FLOWS FROM FINANCING ACTIVITIES		
Government Grant	3,126,000	3,126,000
Other Grants	448,716	190,489
Grants received in advance	20,478,137	1,381,374
Proceeds from Borrowings	1,857,604	-
Repayment of Borrowings	(50,000)	(1,858,261)
Payment of Interest	(33,631)	(68,399)
NET CASH PROVIDED BY FINANCING ACTIVITIES	25,826,826	2,771,203
NET INCREASE/(DECREASE) IN CASH HELD	18,427,630	804,429
Cash at the Beginning of the Year	772,740	(31,689)
CASH AT THE END OF THE YEAR	19,200,370	772,740

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Notes to and forming part of the financial statements

Extracts from the audited financial reports

NOTE 1 – Revenues and expenses – For the year ended 30 June 2008

	2000				
	2008 Adelaide Zoo	Monarto Zoo	Society	Future Zoo Foundation	Total
	\$	\$	\$	\$	\$
REVENUE	ψ	ψ	ψ	ψ	ψ
Admissions	3,140,009	1,315,586	_	-	4,455,595
Education	418,023	119,455	_	-	537,478
Sponsorship	3,399	-	_	166,909	170,308
Bequests	-	_	_	2,333	2,333
Donations	7,351	27,601	118,539	182,509	336,000
Membership	-	-	1,062,520	-	1,062,520
Retail Sales	- 497,735	- 298,119		-	795,854
Catering Sales			-		
Tours Income	210,131	58,786	-	-	268,917
	108,522	173,667	-	-	282,189
Events	11,812	10,851	-	164,991	187,654
Sundry Sales/Income	107,957	162,094	56,519	-	326,570
Grants	-	13,632	3,469,214	91,870	3,574,716
TOTAL REVENUE	4,504,939	2,179,791	4,706,792	608,612	12,000,134
OTHER INCOME					
Net Gain on disposal of property, plant and equipment	-	-	-	-	-
EXPENSES					
Salaries, Wages & On-Costs	4,024,263	1,739,543	1,926,774	85,702	7,776,282
Animal Care	237,789	275,669	120,655	-	634,113
Maintenance Consumables	607,383	303,726	29,191	-	940,300
Cost of Sales	211,627	126,189	-	-	337,816
Conservation & Research Projects	-	11,515	408,388	-	419,903
Utilities	195,072	78,265	-	-	273,337
Marketing & Promotion	303,792	136,589	30,194	159,198	629,773
Safari & Other Tour Costs	36,999	637,636	-	-	674,635
Depreciation	576,731	239,358	30,000	-	846,089
Loss on Sale of Assets	-	-	-	-	-
Printing/Postage/Stationery	47,256	17,555	145,497	837	211,145
Other Expenses	174,923	95,202	436,038	45,116	751,279
TOTAL EXPENSES	6,415,835	3,661,247	3,126,737	290,853	13,494,672

7,000

2007

\$

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13,609

2,325,484

984,746

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286,542 224,102

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278,416 3,316,489

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6,966,246
511,842
990,460
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228,286
247,908
417,103
537,599
785,902
-
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12,176,923

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NOTE 2 – net financing income – for the year ended 30 June 2008

	2008				2007
	Society	Future Zoo Foundation	Life Members Fund	Total	Total
	\$	\$	\$	\$	\$
Interest income	159,178	453	-	159,631	18,950
Dividends, Distributions and franking credits	-	19,775	24,452	44,227	136,033
Net Gain/(loss) on disposal of available-for-sale investments	-	79,268	77,562	156,830	17,362
FINANCIAL INCOME	159,178	99,496	102,014	360,688	172,345
Interest Expense	33,631	-	-	33,631	68,399
NET FINANCING INCOME	125,547	99,496	102,014	327,057	103,946

The financial report for the year ended 30 June 2008 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 2008 are available to members on request.

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