

SECURING A SHARED FUTURE
FOR WILDLIFE AND PEOPLE

ANNUAL REPORT 2013–2014

INSPIRING CONNECTIONS



TARONGA 
CONSERVATION SOCIETY AUSTRALIA

For the Wild



**TARONGA
ZOO**

Contact

Bradleys Head Road
Mosman NSW 2088

PO Box 20
Mosman NSW 2088

Tel: 02 9969 2777

Fax: 02 9969 7515

Open 9.30–5.00pm (Sept–Apr)

Open 9.30–4.30pm (May–Aug)

taronga.org.au



**TARONGA
WESTERN PLAINS
ZOO**

Contact

Obley Rd
Dubbo NSW 2830

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Open 9.30–4.00pm

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Overview

Taronga Conservation Society Australia (Taronga) operates Taronga Zoo in Sydney and Taronga Western Plains Zoo in Dubbo. Taronga is also a leader in the fields of conservation, research and environmental education.

Taronga is constituted under the *Zoological Parks Board Act 1973* as a statutory authority owned by the people of New South Wales (NSW) and administered by the Minister for the Environment and Heritage.

Amended legislation in 1992 defined Taronga's responsibilities in education, conservation, research and recreation (see Appendix 1). A minor amendment to the Act was undertaken in 2008 to formally recognise Taronga Conservation Society Australia as the official name, to better describe the work of the organisation.

The Hon Rob Stokes MP

Minister for the Environment and Heritage
Parliament House
6 Macquarie St
SYDNEY NSW 2000

Dear Minister

It is with great pleasure that we present the 41st Annual Report of the Taronga Conservation Society Australia, which includes the statement of accounts, for your presentation to the NSW Parliament. This report covers in full the Taronga Conservation Society Australia's activities for the year ended 30 June 2014 in accordance with Section 20 and 37 of the *Zoological Parks Board Act 1973 (NSW)* (as amended) and the *Annual Report Statutory Bodies Act 1984 (NSW)* (as amended).

Yours sincerely

Len Bleasel AM
Chairman

Cameron Kerr
Director and Chief Executive

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A SHARED FUTURE *for* WILDLIFE AND PEOPLE

AT TARONGA ZOO AND TARONGA WESTERN PLAINS ZOO, WE BELIEVE THAT WILDLIFE AND PEOPLE CAN SHARE THIS PLANET.

We believe we all have a responsibility to make sure that animals don't just survive, but thrive. To make that happen, there's one species that has to lead the way. Ours.

Our zoos deliver experiences and programs that create genuine connections between people and wildlife. From amazing zoo-based experiences like the Taronga Bird Show, and the Zoofari overnight accommodation at Taronga Western Plains Zoo, to dynamic community programs galvanising popular support for wildlife protection, like the Wild!Rhinos trail and Project Penguin.

Through crucial partnerships in Australia and globally, we operate conservation breeding and recovery programs for threatened native fauna, including Tasmanian Devils, Cassowaries and Corroboree Frogs, and support a further 27 Conservation Partnerships and grants, for species as diverse as tortoises in Madagascar and Sumatran Tigers.

Our Zoos are not-for-profit organisations. We pay no dividends, but any surplus is put straight back into support and care for wildlife.



OUR STRATEGIC DIRECTION



OUR VISION IS TO SECURE A SHARED FUTURE FOR WILDLIFE AND PEOPLE. OUR STRATEGIC PLAN DEFINES OUR UNIQUE ROLE, AND THE WAY WE CONTRIBUTE TO WILDLIFE CONSERVATION, SCIENCE AND LEARNING.



TARONGA ZOO

Symbol
Platypus
(*Ornithorhynchus anatinus*)
Opened
October 1916
Site
28 hectares
Animals
Number of Animals: 4,078
Species/sub-species: 332



TARONGA WESTERN PLAINS ZOO

Symbol
Giraffe
(*Giraffa camelopardalis*)
Opened
February 1977
Site
788 hectares
Animals
Number of Animals: 570
Species/sub-species: 69



Our Vision

To secure a shared future for wildlife and people

Our Role

Our role in conservation is to create direct and positive connections between wildlife and people.
Through our efforts we protect endangered species, increase understanding of wildlife and inspire community action.

Our Values

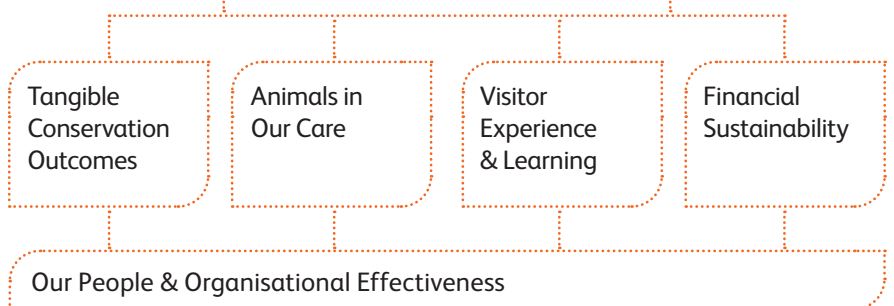
Be supportive and enthusiastic
Accept and take responsibility
Show dignity and respect
Innovate and take initiative
Clear and simple
Commitment to Taronga's WHS, animal welfare and customer service charters.

Wildlife

We breed, manage and care for wildlife, and undertake research, to deliver tangible conservation outcomes.

People

We create unique, dynamic and engaging learning experiences to positively influence and change behaviours.



CHAIRMAN'S REPORT





I AM PROUD TO PRESENT THE 41ST ANNUAL REPORT OF THE TARONGA CONSERVATION SOCIETY AUSTRALIA. IN A MILESTONE YEAR FOR TARONGA, BOTH TARONGA ZOO IN SYDNEY AND TARONGA WESTERN PLAINS ZOO IN DUBBO WERE RECOGNISED AS AUSTRALIA'S PREEMINENT TOURIST ATTRACTIONS. THE ZOOS ALSO CELEBRATED SUCCESSES IN CONSERVATION BREEDING AND DREW PUBLIC ATTENTION TO THE THREATS BEING FACED BY WILDLIFE IN AUSTRALIA AND AROUND THE WORLD.

In 2013/14, a number of important developments were completed at Taronga and Taronga Western Plains Zoos.

Officially opened on 16 December 2013, the Lemur Forest Adventure at Taronga Zoo is now home to a bachelor group of eight Ring-tailed Lemurs.

The exhibit and adjoining forest walk-through and playground, draw attention to the impact of deforestation and land conversion on lemur habitat in Madagascar, and provide an opportunity for children to mimic the arboreal behaviour of this unique species.

In Dubbo, Taronga Western Plains Zoo's premium overnight accommodation product, 'Zoofari', was transformed by a \$2.5 million redevelopment which included the addition of 10 luxury safari tents adjacent to the African Savannah. Launched by Taronga Patron John Cleese, this investment will continue to drive visitation to the Zoo and to Regional NSW for years to come.

One of the highlights of 2013/14 was Taronga Wild!Rhinos, an exciting public art project established to raise vital funds for rhinoceros breeding programs at Taronga Western Plains Zoo, and field conservation programs in Africa and Asia. Comprising 125 life-sized rhino sculptures strategically placed in the Sydney CBD and regional centres across NSW, Taronga Wild!Rhinos brought together artists, schools, businesses and the philanthropic community to raise the level of public awareness of the threats facing wild rhino populations – in 2014, one rhino is being lost to illegal poaching every 11 hours and this appalling crime is driving the species close to extinction. Throughout the year, events including the Wild!Rhinos auction, annual Taronga Dinner and Zoofari Ball,

and an exclusive breakfast with Dr Jane Goodall, raised over \$1.3 million for the Taronga Foundation. Funds raised from these events support field conservation and research projects, as well conservation breeding programs at both Zoos for threatened and priority species.

In 2013/14, a number of significant births were celebrated at Taronga and Taronga Western Plains Zoos. In Dubbo, staff welcomed the arrival of two Galapagos Tortoise hatchlings, only the second and third ever born in Australasia following the previous birth of a hatchling in 2011. Three Cheetah cubs were also born and continue to thrive under the watchful eye of mother 'Halla', a rare king cheetah. New arrivals at Taronga Zoo included the first Goodfellow's Tree Kangaroo joey in over 20 years, the second Southern Hairy-nosed Wombat joey in as many years, an Andean Condor chick and an Eastern Bongo calf. With less than 75 Eastern Bongos remaining in the wild, this last birth represents the importance of conservation breeding programs and the role of Zoos in securing a future for wildlife.

Beyond Zoo grounds, Taronga continues to increase its global reach and support for field conservation. In 2013/14, thirteen new field conservation grants were awarded to support efforts to identify and reduce key threats to endangered and critically endangered species, protect vital habitat for wildlife and address human-wildlife conflict. Taronga also used the profile of significant events including the visit by Their Royal Highnesses the Duke and Duchess of Cambridge and Prince George, to draw public attention to the threats being faced by Australian wildlife including the bilby.

I would like to close by thanking the members of the Taronga Board for their support and assistance over the past 12 months. I would particularly like to thank Mr Richard Humphry AO and Ms Catherine Strassberg who retired in June 2014 after 16 and 10 years of service to Taronga, respectively. They have each made a significant contribution to our Zoos during this time. I would also like to acknowledge the contribution and support of the Hon. Rob Stokes MP, Minister for Environment and Heritage, and the former Minister for Environment and Heritage, Ms Robyn Parker MP.

I would also like to recognise, as I do each year, the boundless enthusiasm and passion of staff and volunteers at Taronga and Taronga Western Plains Zoos. Their commitment to Taronga's vision inspires visitors and members of the broader community to make their own, personal commitment to help secure a shared future for wildlife and people.

Len Bleasel AM
Chairman

DIRECTOR *and* CHIEF EXECUTIVE'S REPORT





Total attendances at Taronga and Taronga Western Plains Zoos exceeded 1.6 million in 2013/14 and international visitation grew 21% from last year, now representing 34% of total visitors.

In a milestone year, Taronga also cemented its position as a leader in the Australian tourism industry, with both Taronga and Taronga Western Plains Zoos receiving Gold Awards at the Australian National Tourism Awards in February 2014.

Taronga and the bilby, an endangered Australian marsupial, also received global attention in April 2014 when the Duke and Duchess of Cambridge, together with Prince George, visited Taronga Zoo. The visit was broadcast to over 160 million people across 123 countries in 42 languages, and provided a unique platform to communicate the important role zoos play in endangered and critically endangered species management and recovery programs.

Beyond the Zoos' grounds, Taronga has been active in field conservation and research. Over 950 Southern Corroboree Frog eggs bred at Taronga Zoo were released into chytrid disease-free enclosures in Kosciuszko National Park, and artificial pools in alpine eucalypt forest as part of a new strategy to establish populations in habitat with low incidence of disease. Taronga played a critical role in a trial program for rodent eradication on Lord Howe Island by providing a team of specialist keepers and veterinary staff to ensure the welfare and care of 30 birds in a series of purpose-built aviaries.

IN 2013/14, TARONGA AND TARONGA WESTERN PLAINS ZOOS CONTINUED TO DELIVER WORLD-CLASS VISITOR EXPERIENCES. WE EXPANDED OUR COMMITMENT TO CONSERVATION SCIENCE AND PROVIDED UNIQUE LEARNING EXPERIENCES TO OVER 140,000 STUDENTS OF ALL AGES TO INSPIRE THE NEXT GENERATION OF CONSERVATION CHAMPIONS.

Taronga's current and future research programs were bolstered by winning four competitive Australian Research Council (ARC) linkage grants, in partnership with various universities. Representing a 100% success rate on applications and \$1.7 million in funds dedicated to research that will benefit Australian wildlife, this is a significant achievement for Taronga and more importantly, for wildlife.

The year's successes in the fields of conservation, education and tourism are important and far-reaching; however I'm also proud to say that Taronga's most significant achievements in 2013/14 were defined by community participation and engagement. They represent Taronga's unique ability to partner with organisations to achieve positive outcomes for wildlife and people.

The 'Aussie Animals Collectables' campaign, a feature of Taronga's partnership with Woolworths, delivered 560 million educational cards across 900 stores nation-wide that engaged and enthralled Australian children with their native wildlife.

Taronga initiated a ground-breaking partnership with TRAFFIC and other zoo-based agencies to tackle the illegal wildlife trade in Southeast Asia, and designed and launched the Wildlife Witness smartphone app for tourists and locals to report illegal wildlife trade.

At the conclusion of another milestone year for Taronga, I would like to thank the Taronga Board and Taronga Chairman, Len Bleasel AM, for their advice and support in 2013/14. I'd also like to acknowledge and thank the staff and volunteers at Taronga and Taronga Western Plains Zoos for their tireless efforts to help secure a shared future for wildlife and people; they are our greatest asset.

Finally I would like to thank Taronga's supporters – our Foundation Patrons, Zoo Friends and Zoo Parents, corporate partners and private donors – for their ongoing contributions to Taronga. Your support enables us to maintain the highest standard of welfare for the animals in our care and deliver truly unique experiences to the people of NSW and international visitors. Importantly, it's also enabled Taronga to continuously expand our conservation science initiatives in Australia and overseas, and inspire children and adults alike to create a better future for wildlife.

Cameron Kerr
Director and Chief Executive

APPOINTED BOARD

Section 6 of the *Zoological Parks Board Act 1973 (NSW)* stipulates the criteria under which the members are appointed to the Board. The Board met seven times during the year and the number of meetings attended by each member is shown in brackets.

Mr Leonard Bleasel AM, JP FAIM FAICD (7)

Ministerial Appointee. Chairman of the Taronga Conservation Society Australia. Mr Bleasel was the Managing Director and Chief Executive Officer of The Australian Gas Light Company (AGL) until his retirement in February 2001. He is Chairman of Australian Pipeline Limited (APA Group) and the CIMB Advisory Council, and a Partner of O'Connell Street Associates. *(Term expires 30/06/15)*

Mr Steven Crane (7)

Ministerial appointee. Deputy Chairman and Chair of the Marketing Committee. Mr Crane is Chairman of nib holdings limited and Global Valve Technology, and a Director of Transfield Services, Bank of Queensland Limited and Australian Pipeline Limited (APA Group). Mr Crane is also a member of the CIMB Securities International (Australia) Pty Ltd Advisory Council. *(Term expired 30/06/2014)*
*Reappointed

Clr Roy Bendall (7)

Representing Mosman Council. Member of the Audit and Risk Committee. Clr Bendall is the Deputy Mayor of Mosman. He has broad experience working in international financial and capital markets, and project management specialising in the trade and maritime infrastructure sector. Clr Bendall is also a legal practitioner with experience in regulatory reform and the provision of regulatory advice including to corporations and the Government in Papua New Guinea. *(Term expires 22/01/15)*

Ms Penny Bingham Hall FAICD -SF Fin (6)*

Ministerial Appointee. Ms Bingham-Hall spent 23 years with Leighton Holdings, including as Executive General Manager Strategy and Executive General Manager Corporate. She is a Director of BlueScope Steel Ltd, DEXUS Funds Management Limited, Sydney Ports Corporation, Newcastle Port Corporation, Port Kembla Port Corporation, and SCEGGS Darlinghurst Limited. *(Term of appointment commenced 02/09/13; expires 01/09/17)*
* Eligible to attend 6 meetings

Ms Jennifer Cowley (6)

Representing the local community in Dubbo. Member of the Marketing Committee. Ms Cowley is an active member of the local community in Dubbo. She is Editor of the Dubbo Weekender, a volunteer media and current affairs commentator on ABC Radio (Western Plains) and sits on various community advisory boards. *(Term expired 30/06/2014)*

Dr Kersti Seksel BVSc (Hons) MRCVS MA (Hons), FACVSc, DACVB, DECAWBM (7)

Representing veterinary science and animal welfare. Chair of the Wildlife Conservation, Health and Welfare Committee. Dr Seksel is the principal of a specialist practice in behavioural medicine, the Chair of the NSW Animal Welfare Advisory Committee and a Board member of the Delta Society Australia. Dr Seksel is also a member of the Australian Veterinary Association and Fellow of Australian and New Zealand College of Veterinary Scientists. *(Term expires 30/06/2015)*

Ms Nancy Fox FAICD (7)

Ministerial appointee. Chair of the Audit and Risk Committee. Ms Fox is the Chairperson of Adelaide Managed Funds Ltd, a Director of HCF Life and Ethane Pipeline Ltd, and a Trustee Director of Kinetic Superannuation. She is also a Director of the Australian Theatre for Young People. *(Term expired 30/06/2014)*
*Reappointed

Mr Richard Humphry AO, FCA, FCPA, AFIN (4)

Ministerial Appointee. Chairman of the Finance and Capital Works Committee. Mr Humphry is a Director and Chairman of the Audit and Risk Committee of UGL Ltd, and Director and Chairman of the Audit Committee of BUPA Australia Holdings Pty Ltd and HSBC Australia Ltd. He is also a Director of BUPA Australia Ltd, Bupa Foundation (Australia) Ltd and O'Connell Street Associates. *(Term expired 30/6/2014)*

Ms Catherine Strassberg CPA (4)

Representing Zoo Friends. Member of the Wildlife Conservation, Health and Welfare Committee and Audit and Risk Committee. Ms Strassberg has been a member of Zoo Friends since 1995 and is the current Treasurer of the Children's Tumour Foundation. *(Term expired 30/06/2014)*

Clr John Walkom (6)

Representing Dubbo City Council. Member of the Marketing Committee. Clr Walkom is Chair of Regional Development Australia – Orana, Deputy Chair NSW Regional Development Advisory Committee and Chair of the Dubbo Regional Entertainment Art Music Festival. He is an active and highly regarded member of the local community in Dubbo, having worked closely with a broad range of stakeholders including community, business and local government representatives. *(Term expires 05/02/15)*

BOARD COMMITTEES

Finance Committee (6)

Chair – Mr Richard Humphry AO. Monitors financial performance, including occupational health and safety, environment, human resource management and capital works programs. Consists of all Board Members.

Audit and Risk Committee (3)

Chair – Ms Nancy Fox. Monitors and covers issues relating to internal control systems, risk management systems, financial reporting and other financial responsibilities. Consists of selected Board Members with representatives from the NSW Audit Office and independent auditors Ernst and Young.

Marketing Committee (6)

Chair – Mr Steven Crane. Monitors all marketing activities including communications, sponsorship, Taronga Foundation, customer service and tourism development. Consists of selected Board Members.

Wildlife Conservation, Health and Welfare Committee (6)

Chair – Dr Kersti Seksel. Monitors collection management, wildlife conservation, research and veterinary services. Consists of selected Board members plus the following external contributors from appropriate specialist fields:

- Professor Chris Dickman (Professor, School of Biological Sciences, University of Sydney)
- Professor Richard Kingsford (Professor, School of Biological, Earth and Environmental) Sciences, University of NSW
- Mr Steve Coleman (Chief Executive Officer, RSPCA NSW)
- Tshering O’Gorman (Independent representative)

Animal Ethics Committee (6)

Statutory committee through which all research projects involving animal research must be approved. Constituted in accordance with the Animal Research Act 1985 and consists of the following representatives:

- Dr Rebecca Spindler, Chair (Researcher)
- Dr Jo Wiszniewski (Researcher)
- Dr Benn Bryant (Veterinarian)
- Dr Frances Hulst (Veterinarian)
- Mr Anthony Gregory (Animal welfare representative)
- Ms Cecily Stuart-Prentice (Animal welfare representative)*
- Mr Harold Eagleton AM (Independent representative)
- Justice Michael Foster QC (Independent representative)*

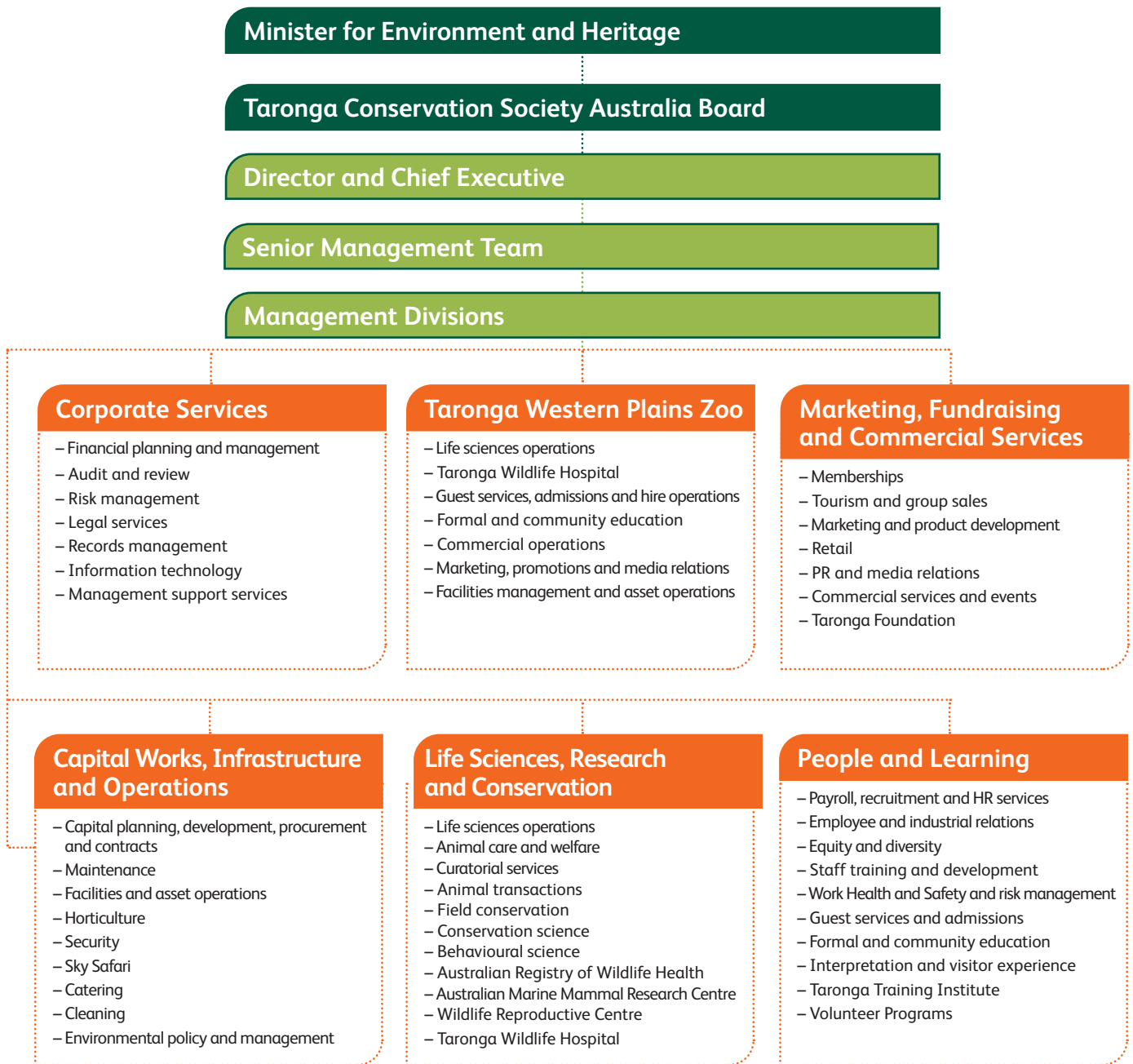
** Term of appointment ended April 2014.*

The Committee reviewed 15 new projects, all of which were approved. The Committee also reviewed and approved 12 ongoing projects and approved two amendment applications.



Taronga continues to support Fijian Crested Iguana conservation.
PHOTO: LORINDA TAYLOR

ORGANISATIONAL CHART



SENIOR MANAGEMENT TEAM

Cameron Kerr
 Director and Chief Executive
 BSc (Hons), MCom, GAICD

Paul Davies
 General Manager,
 Marketing, Fundraising and
 Commercial Services
 MA (Hons), MBA

Simon Duffy
 General Manager,
 Life Sciences and
 Research Conservation
 BTeach, BEd (Hons)

Matthew Fuller
 General Manager,
 Taronga Western Plains Zoo
 Fellow, Winston Churchill
 Memorial Trust

Alex Halliburton
 General Manager,
 Capital Works, Infrastructure
 and Operations BLA (Hons)

Hunter Rankin
 General Manager,
 Corporate Services
 BCom

Bettina Sammut
 General Manager,
 People and Learning
 BA, Cert (PR), Grad Cert (HRM),
 Grad. Cert Change Mgt AGSM

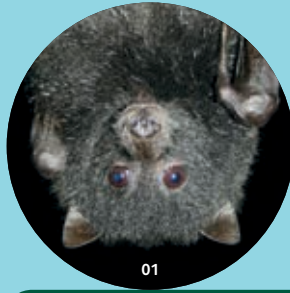
We share 98%
of our genes with
Chimpanzees

INSPIRING *for* THE WILD

TARONGA CELEBRATED THE ARRIVAL OF CHIMP 'FUMO' INTO THE CONSERVATION BREEDING PROGRAM FOR THIS ENDANGERED SPECIES. JANE GOODALL'S VISIT IN MAY INSPIRED A NEW GENERATION OF WILDLIFE SUPPORTERS. STAFF FROM BOTH ZOOS VISITED AND GAVE THEIR EXPERTISE TO THE JANE GOODALL INSTITUTE'S TCHIMPOUNGA CHIMPANZEE REHABILITATION CENTRE IN THE REPUBLIC OF CONGO.



Habitat destruction and poaching are the main threats to chimpanzees, with populations declining rapidly.



01

Christmas Island
Population health
assessment of the
Christmas Island Flying Fox

YEAR *in* BRIEF

RESEARCH & CONSERVATION SCIENCE IN AUSTRALIA

TARONGA HAS A STRONG COMMITMENT TO RESEARCH AND CONSERVATION SCIENCE ACROSS A RANGE OF DISCIPLINES INCLUDING ANIMAL BEHAVIOUR, REPRODUCTION, ECOLOGY, NUTRITION, GENETICS AND WILDLIFE HEALTH.

Taronga scientists bring diverse expertise and work with partners, including universities and State and Federal government agencies, to address urgent environmental questions and needs.

Taronga's collaborative investigations and conservation science programs include the **Australian Registry of Wildlife Health, Wildlife Reproductive Centre and Australian Marine Mammal Research Centre.**

This work is ultimately applied to make better informed decisions about effective wildlife and habitat management.

The successful **Taronga Conservation Science Initiative** has already leveraged over \$4.6 million in scientific grants to explore issues of significant importance in the marine and terrestrial environments.

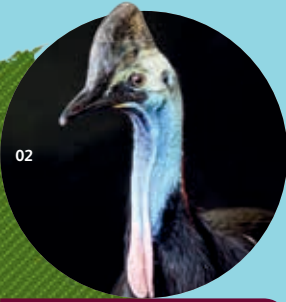


Western Australia
Banking on Cane
Toad Predators
Carnaby's Black Cockatoo
Conservation

KEY

RESEARCH

CONSERVATION PROGRAMS



Queensland
Reforestation of Cassowary Habitat
Greater Bilby Conservation with Save the Bilby Fund



Great Barrier Reef
Preserving & growing coral for future restoration

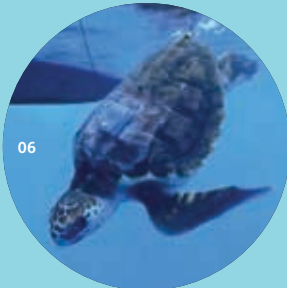
Central Coast
Do oil spills leave lasting health consequences for Pelicans?
Effectiveness of wildlife corridors in the Gosford region



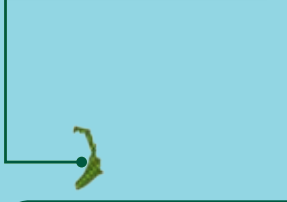
Dubbo
Tasmanian Devil nutritional requirements



Highlands
Trialling fenced, disease-free enclosures to establish wild populations of Southern Corroboree Frogs



Lord Howe Island
Satellite telemetry of Australian juvenile loggerhead turtles



Sydney
Song Learning in the Regent Honeyeater
Numerical modelling of swimming techniques in seals

Regent Honeyeater Breeding Program

Riverina
Platypus conservation and management planning

Oceans South of Sydney
The value and function of marine parks



Tasmania
Contraception for Tasmanian Devil management



Jervis Bay
Analysis of shark social networks

YEAR in BRIEF

OUR GLOBAL REACH

TARONGA WORKS WITH A LARGE NUMBER OF CONSERVATION EXPERTS AND COMMUNITY GROUPS AROUND THE WORLD TO IDENTIFY AND REDUCE KEY THREATS TO ENDANGERED AND CRITICALLY ENDANGERED SPECIES, PROTECT VITAL HABITAT FOR WILDLIFE, AND ADDRESS HUMAN-WILDLIFE CONFLICT.

From Brazil to Nepal, and Mozambique to Indonesia, Taronga also commits staff time and expertise to support more than 30 field conservation and research projects.



Congo

Building of Tchimpounga Chimpanzee reserve with the Jane Goodall Institute

NIGERIA

DEMOCRATIC
REPUBLIC OF
THE CONGO

ZAMBIA

BRAZIL

Zimbabwe

Wild Dog Protection with the African Wildlife Conservation Fund

ZIMBABWE

RESEARCH

Fiji

Ecology and population dynamics of the Critically Endangered Fijian Crested Iguana

Assessment of Fijian Iguanas in the eastern Fijian Islands

Thailand and Singapore

Asian Elephant Semen Cryopreservation

Aerosol transmission of pathogenic bacteria in Asian Elephants

Indonesia — Sulawesi

Selamatkan Yaki National Park — Sulawesi Crested Black Macaque conservation

China

Giant Panda sperm cryopreservation and metabolism

COMMUNITY CONSERVATION CAMPAIGNS

Wildlife Witness

Combating illegal wildlife trade for greater protection of wildlife around the world including Sun Bears, elephants and rhinoceros

Fish for Good

Encouraging shoppers and retailers to make seafood choices which ensure an ocean-friendly future for both marine life and humans

They're Calling on You

Recycling mobile phones to reduce landfill and support primate conservation

Beads for Wildlife

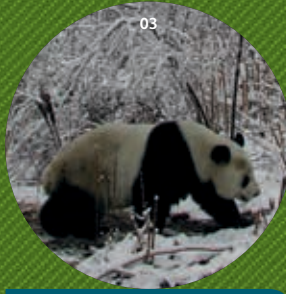
Supporting people and wildlife in Northern Kenya through alternative incomes and anti-poaching patrols

Sustainable Palm Oil Campaign Development

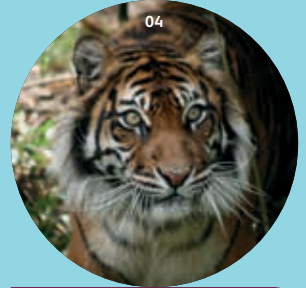
INSPIRING CONNECTIONS



Nepal
360° Snow Leopard Conservation with the National Trust for Nature Conservation



China
Giant Panda sperm cryopreservation and metabolism

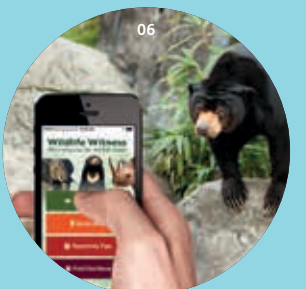


South-East Asia
Stopping Wildlife Trade with TRAFFIC

Fiji
Ecology and population dynamics of the Critically Endangered Fijian Crested Iguana



Fish for Good
Encouraging shoppers and retailers to make seafood choices which ensure an ocean-friendly future for both marine life and humans



Wildlife Witness
Combating illegal wildlife trade for greater protection of wildlife around the world including Sun Bears, elephants and rhinoceros



Madagascar
Lemur Habitat Protection in Madagascar with Omaha's Henry Doorly Zoo and Aquarium, and the Madagascar Biodiversity Partnership and Conservation Fusion

CONSERVATION PROGRAMS

- Borneo**
Wetland Habitat Revival with The Orangutan Tropical Peatland Project

- Brazil**
Protecting the Tapir with IPÉ

- Congo**
Building of Tchimpounga Chimpanzee reserve with the Jane Goodall Institute

- Democratic Republic of the Congo**
Growing sustainable communities in Maiko-Tayna Kahuzi Beiga

- Fiji**
Fijian Crested Iguana Conservation

- Indonesia — Komodo Island**
Komodo Dragon surveillance with the Komodo Survival Program

- Indonesia — Sulawesi**
Aquaponics for Conservation with Selamatkan Yaki

- Indonesia — Sumatra**
Rhino protection with the International Rhino Foundation (Founding Member)

- Wildlife Protection in Bukit Tigapuluh with Australian Orangutan Project

- Keeping Supayang Wild with Wildlife Asia

- Sumatran Tiger Habitat Protection with Save Indonesian Endangered Species

- Kenya**
Watching over Bongo with the Bongo Surveillance Project

- Alternative Income for Wildlife Protection with the Northern Rangelands Trust

- Madagascar**
Lemur Habitat Protection in Madagascar with Omaha's Henry Doorly Zoo and Aquarium, and the Madagascar Biodiversity Partnership and Conservation Fusion

- Mozambique**
Preventing Human-Elephant Conflict with Bees with Niassa Carnivore Project

- Nepal**
360° Snow Leopard Conservation with the National Trust for Nature Conservation

- South-East Asia**
Stopping Wildlife Trade with TRAFFIC

- Sri Lanka**
Caring for orphaned elephants with the Elephant Transit Home

- Tanzania**
Sustainable Farming for African Wild Dog Protection with the Ruaha Carnivore Project

- Thailand**
Protecting elephants and people in Kui Buri National Park with the Thai Government

- Asia Wide Dhole Conservation with the Smithsonian Institution

- Uganda**
Innovation for Uganda's Forests with the New Nature Foundation

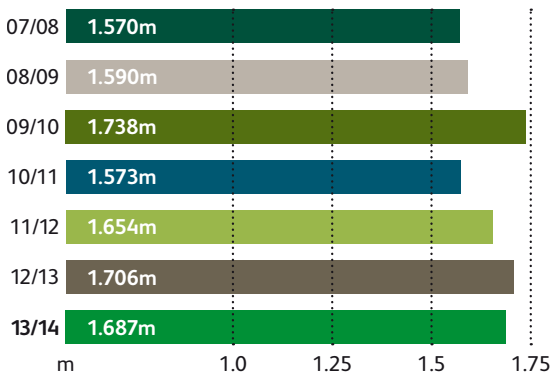
- Zambia**
Stopping Poaching in South Luangwa with the South Luangwa Conservation Society

- Zimbabwe**
Wild Dog Protection with the African Wildlife Conservation Fund

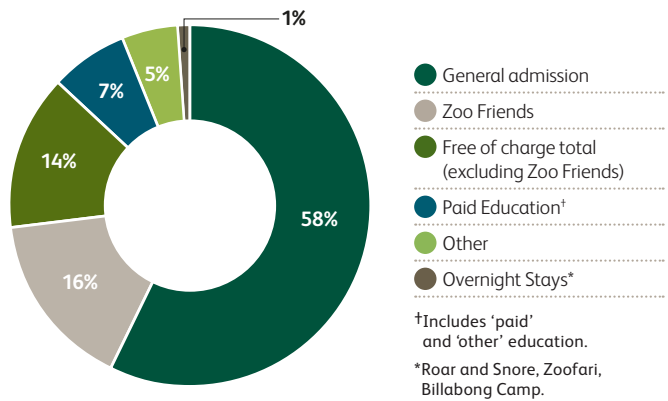
YEAR in BRIEF

VISITATION

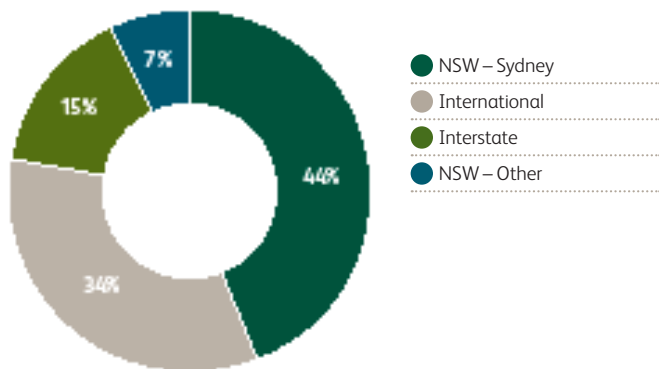
Total visitation (million people)



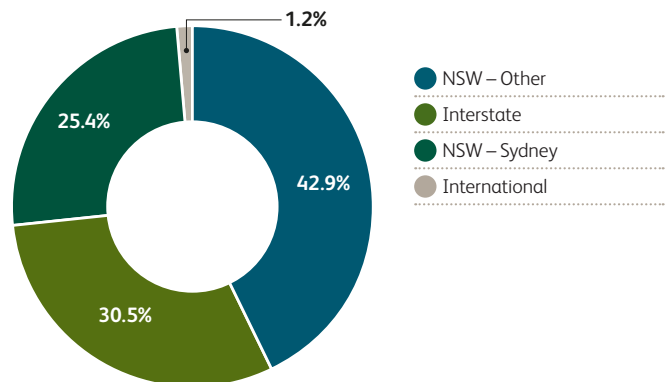
Guest ticketing mix



Origin of guests – Taronga Zoo



Origin of guests – Taronga Western Plains Zoo



Guest attendance

		2012/13	2013/14	Variance	Variance %
Consolidated result	Paid attendance ⁽¹⁾	1,355,877	1,373,768	17,891	1.3%
	Paid and FOC* attendance ⁽²⁾⁽³⁾	1,706,278	1,686,606	-19,672	-1.2%
Taronga Zoo	Paid attendance ⁽¹⁾	1,159,627	1,186,372	26,745	2.3%
	Paid and FOC attendance ⁽²⁾	1,477,638	1,464,078	-13,560	-0.9%
Taronga Western Plains Zoo	Paid attendance ⁽¹⁾	196,250	187,396	-8,854	-4.5%
	Paid and FOC attendance ⁽³⁾	228,640	222,528	-6,984	-2.7%

*FOC – Free of charge. 1. Includes Zoo Friends, paid education and overnight stays; 2. Includes function guests and Twilight Concert attendees at Taronga Zoo; 3. Includes function guests at Taronga Western Plains Zoo.



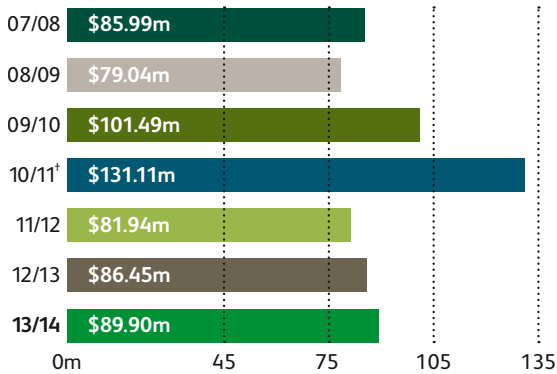
YEAR *in* BRIEF

FINANCIALS



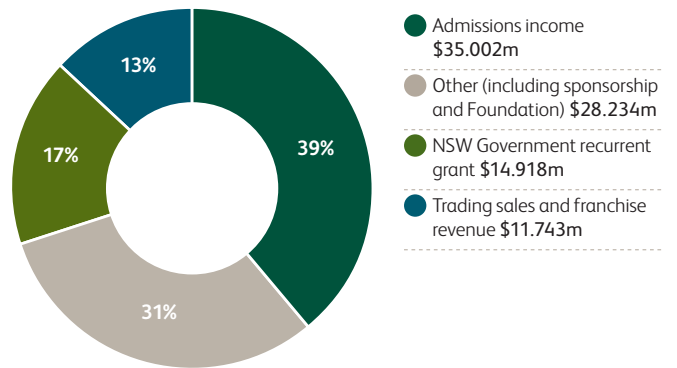
Regent Honeyeater breeding program. Taronga operates a breed-for-release program for this at-risk species. This year, around 7,000 trees were also planted by Taronga staff along with an army of volunteers to form critical habitat. PHOTO: DEAN INGWERSEN

Total income (\$m)

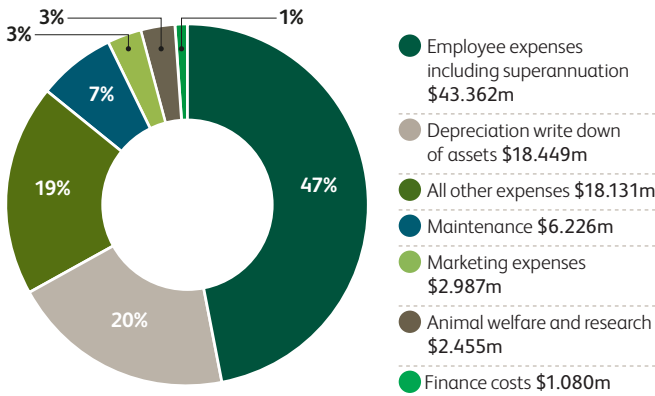


*Total income includes one-off Government grant of \$36 million.

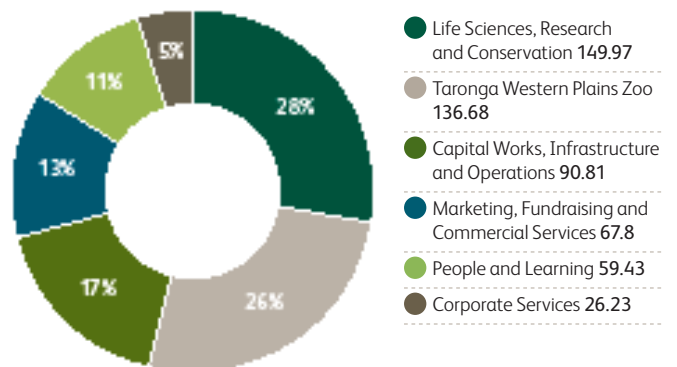
Sources of income for Taronga programs



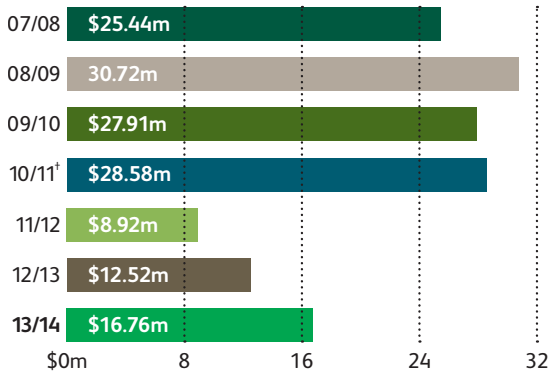
Allocation of recurrent resources to expense types



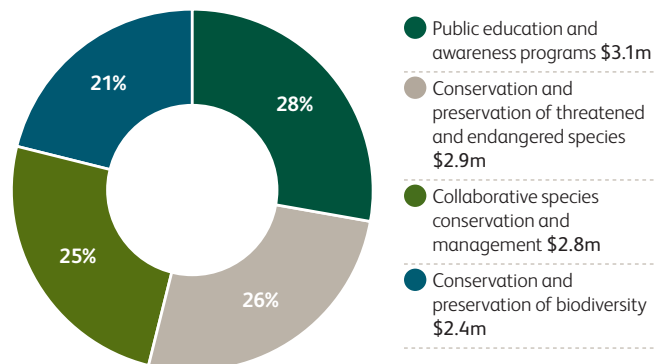
Allocation of employees by Taronga divisions



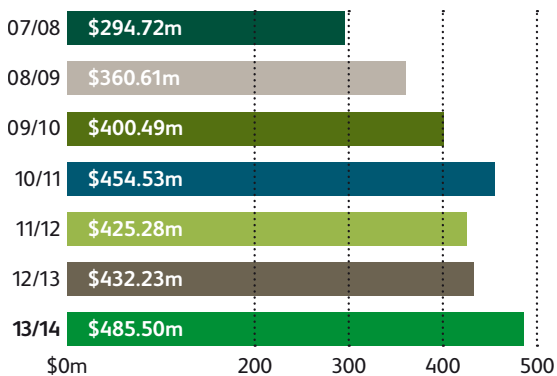
Expenditure on capital development and asset maintenance (\$m)



Total cost of Social Program Policy activities



Total assets (\$m)





Helping up to 21 million shoppers make sustainable seafood choices.

LEADING *for* THE WILD

PROJECT PENGUIN WENT FROM STRENGTH TO STRENGTH, WITH LOCAL SCHOOL CHILDREN COMMITTED TO THE LONG-TERM PROTECTION OF THEIR PENGUIN COLONY AT MANLY. THE ZOOS' PARTNERSHIP WITH WOOLWORTHS ADVANCED THE 'FISH FOR GOOD' COMMUNITY CAMPAIGN TO HELP UP TO 21 MILLION SHOPPERS EACH WEEK MAKE SUSTAINABLE SEAFOOD CHOICES.

Taronga supports
tiger habitat protection
in Sumatra.

TANGIBLE CONSERVATION OUTCOMES

ENSURING ALL OUR EFFORTS CONTRIBUTE TO TANGIBLE AND MEASURABLE CONSERVATION OUTCOMES.



Keeper Sprina Liu releases a Lord Howe Island Woodhen after a successful trial program aiming to rid the island of rodents.



Taronga launched the Wildlife Witness smartphone app as part of a joint campaign to halt illegal wildlife trade.



A research and community education program supports the remaining 350-500 Snow Leopards in Nepal.

PHOTO: THE SNOW LEOPARD CONSERVANCY

Key achievements

- Taronga initiated the ground-breaking partnership with TRAFFIC and other zoo-based agencies to tackle illegal wildlife trade in Southeast Asia, and launched the Wildlife Witness smartphone app for tourists and locals to report illegal wildlife trade.
- Over 950 fertile Southern Corroboree Frog eggs were produced at Taronga Zoo and released into chytrid disease-free enclosures in Kosciuszko National Park, and artificial pools in alpine eucalypt forest as part of a new strategy to establish populations in habitat with low disease incidence. An additional 150 juvenile frogs were released into specialist enclosures in Kosciuszko as a new rearing strategy.
- Four Australian Research Council (ARC) linkage grants were awarded to Taronga, in partnership with universities. This was a 100% success rate on applications; with \$1.7 million of grants dedicated to research benefiting diverse wildlife including marsupials, sharks, amphibians and various animals in zoo care.
- A Marine Turtle Satellite Tracking Project was launched, enabling monitoring of marine turtles treated and released from

Taronga Wildlife Hospital. Research into their movement and survival will shed light on the behaviour of marine turtles in NSW.

- A trial for the NSW Office of Environment and Heritage’s Lord Howe Island rodent eradication plan was successfully completed, as a Taronga specialist team of keepers and veterinary staff took 30 birds into care in a series of purpose-built aviaries. Following the three month trial, all birds were released in good health and community relations on the island were strengthened ahead of the planned implementation of the program.
- Taronga’s support to field conservation expanded further this year with thirteen new field conservation grants supported across Australia, Asia, Africa, and South America.
- Two new Australian conservation partnerships were established with Birdlife Australia for the conservation of the Carnaby’s Black Cockatoo, and the Save the Bilby Fund for the conservation of the Greater Bilby.

Performance indicators

	2012/13	2013/14
Species which are classified as threatened ⁽¹⁾		
Taronga Zoo	28%	31%
Taronga Western Plains Zoo	45%	48%
Threatened species in conservation programs ⁽²⁾		
Taronga Zoo	46%	44%
Taronga Western Plains Zoo	77%	70%

1. Threat status determined by reference to international, national and state categories.

2. Percentage of threatened species in Australian Species Management Program (ASMP) Conservation Programs and Population Management Programs.

Conservation Science Programs

Taronga has maintained a strong commitment to research and conservation science across a range of disciplines for decades. Through collaborative investigations with university and government partners and Taronga's diverse expertise held in the Australian Registry of Wildlife Health, Wildlife Reproductive Centre, Australian Marine Mammal Research Centre and Behavioural Studies Unit, Taronga's work will ultimately be applied to make better informed decisions on wildlife and habitat management.

With the generous support of donors and strategic vision shown by Ms Gretel Packer, founding Patron of the Taronga Conservation Science Initiative, Taronga's contribution to conservation science is expanding each year. Since its inception in 2011, the Taronga Conservation Society has won over \$4.6 million in competitive grants to complete projects such as those described here:

Hotspots for Marine Predators:

Project Partners: Taronga, Macquarie University, NSW OEH

The marine environment near Montague Island is a dynamic region of eddies and upwelling that supports breeding populations of fur-seals, Shearwaters, Little Penguins, terns and gulls, and is surrounded by the Bateman's Bay Marine Park. Taronga researchers are studying ocean and climate processes and foraging success to predict how these marine predators might respond to commercial fishing and climate change. Researchers are tracking individuals of these species using recorders that determine location as well as measuring oceanographic parameters where they are feeding. Taronga Zoo's seals and penguins have also participated, to enable researchers to work out how much energy is required for their daily activity by using respirometry to measure oxygen consumption during diving and resting. This year may prove very interesting as another El Niño event is predicted. All this valuable oceanographic data is shared with Australia's Integrated Marine Observing System (IMOS) to improve climate models and ultimately the results of this study will assist in quantifying the benefit of the Batemans Bay Marine Reserve to higher order predators.

Connecting Wildlife:

Project Partners: Taronga, Gosford City Council, University of New South Wales

The Gosford Coastal Open Space System is a network of bushland reserves created to preserve the landscape. There is anecdotal evidence that many wildlife

corridors linking these reserves are not working effectively, increasing the risk of inbreeding and loss of biodiversity. Gosford City Council will engage land holders to improve corridors in this area, but a sound foundation of scientific data is needed on connectivity and wildlife life history strategies to design this program for the greatest benefit for wildlife. From this data the project will determine the minimum habitat requirements of these species to inform where best to establish habitat corridors.

Christmas Island Flying Fox Health, Ecology and Conservation:

Project Partners: Taronga, Christmas Island National Park, University of Sydney, CSIRO

The aim of this project is to understand the processes that lie behind the decline of Christmas Island's last native mammal, the Christmas Island Flying Fox. This information will inform the development of a coordinated recovery plan to prevent the extinction of the flying fox. The research will be achieved by working with interdisciplinary teams to better understand the ecology, health, and microbial diversity of the flying fox, and address factors contributing to its decline. This project builds on the success of Taronga's previous work, which assessed the impact of disease on native species population decline on Christmas Island.

Dining with Dasyurids:

Project Partners: Taronga, University of Sydney

This project will employ novel and proven techniques to reliably measure the minimum nutrient requirements of marsupial carnivores such as the Tasmanian Devil. Having empirical evidence as to the minimum requirements of these species will not only help to better manage their breeding program but also to understand their biology and their interactions with the environment. Specifically, the project aims to: quantify the macronutrient (carbohydrate, lipid and protein) targets and regulatory behaviour of marsupial carnivores; test explanations of animals gaining excess weight in zoos; and quantify changes in nutrient targets with reproduction.

The Value of Human Wildlife Interactions:

Project Partners: Taronga, University of Melbourne, Zoos Victoria

This collaborative project will employ both novel and proven techniques to reliably measure the education and animal welfare impacts during a variety of interaction and communication methods with humans. This is an area of great interest

to Taronga as its conservation goals increasingly rely on converting Taronga's support within the community to daily action for the conservation of wildlife and habitats. By determining visitor effects on exhibited animals, this project aims to provide zoos with practical animal management and educational strategies to optimise both animal welfare and visitor experience. Taronga relies on evidence based decision making in many areas of its management and this is an area that now requires significant attention and the development of new, reliable techniques that can be applied across all of its activities.

Australian Shark Attack File

The Australian Shark Attack File (ASAF) is a research project that has been supported by Taronga since 1984. John West, Manager, Life Sciences Operations is the file's coordinator and a member of the International Shark Attack Committee & IUCN Shark Specialist Group. The ASAF advises State and Federal authorities on shark attack risk and attack statistics. The ASAF gathers information on shark/human encounters in Australian waters, provides source material for research, media and education relating to the trends of attacks.

From July 2013 to June 2014 a total of 14 shark attack cases were recorded of which one was fatal. During the year there were over 430 written, email and telephone requests for information from the national and international media, university researchers, State and Federal Government agencies, publishers, and the general public.

Summary information is accessible to the public on the Zoo's website.

Field Based Conservation

Taronga is increasingly becoming an important member of the conservation community as it takes on expanded roles and responsibilities, both locally and globally. Taronga commits staff skills, expertise and financial support to conservation projects in the field. Taronga works with a large number of conservation experts and community groups around the world to identify and reduce key threats to threatened and priority species, protect vital habitat for wildlife, and address human-wildlife conflict. This year marks the fifth anniversary of the Taronga Field Conservation Grants program and Taronga is pleased to announce the support of thirteen new projects around the world as well as four new partnerships, bringing the total field projects to thirty one.

Keeping Landscapes Wild

In Sumatra, Taronga is working with **Wildlife Asia** to increase the land area of the Supayang Reserve in Sumatra, protecting the biodiversity and providing essential habitat for species including Clouded Leopards and the critically endangered Sumatran Tiger.

Taronga is also working with **Save Indonesian Endangered Species** to regenerate lowland habitat, home to the Sumatran Tiger and many of its prey species including Sambar Deer, Malayan tapir and Malayan Sun Bear.

Close by in Borneo, **The Orangutan Tropical Peatland Project** aims to restore health to the peat-swamp forests, habitat of the endangered Orang-utan. Peat-swamp forests have been drained due to logging, and Taronga will support re-flooding of these areas, restoring ecosystem function, preventing fires and substantially reducing carbon emissions.

Selamatkan Yaki in Sulawesi aims to provide aquaponic and hydroponic units to alleviate pressures on the local ecosystem by providing sufficient food to feed a family.

In Uganda, Taronga has also joined with the **New Nature Foundation** again to continue reducing overuse of the Kibale National Park and improving community resources by planting trees and building energy efficient stoves.

Communities and Conservation

Taronga is continuing its support of the excellent work of **South Luangwa Conservation Society Zambia**, to work with community-based anti-poaching patrols to reduce widespread illegal snaring and to treat snared animals. Last year, the project rescued and rehabilitated over 200 snared animals and is estimated to have saved 1,046 animals through snare removal programs and patrols, apprehending 74 suspects and confiscating 26 firearms.

Taronga is also investing in community-led Snow Leopard conservation in Nepal with the **National Trust for Nature Conservation**. Along with a strong scientific component, the project is involving local youth in conservation action through wildlife monitoring as 'Snow Leopard Scouts' and establishing community-based 'savings-and-credit' committees that will benefit the local people, Snow Leopards and prey populations.

In a novel attempt to break down conflict between elephants and people in Mozambique, Taronga is working with the **Niassa Carnivore Project** to build a beehive fence. The beehive fence has been shown to be an economically viable and humane deterrent for elephants, reducing animosity from local people and helping to preserve wild elephant populations. Secondary benefits include education of local communities and the opportunity to sell the honey produced.

Species Protection and Conservation

Taronga scientists are working with **Monash University** to help build a Kimberley Ark to preserve viable levels of genetic diversity in three species of Australian monitor lizards, threatened by the Cane Toad expansion.

With the **African Wildlife Conservation Fund Taronga** is protecting the Zimbabwean wild dog populations threatened by habitat loss, wire snaring and disease through education, anti-poaching and health initiatives.

Taronga proudly continues its support for the **Lowland Tapir Conservation Initiative** to expand efforts to conserve tapirs and their habitats throughout Brazil.

Taronga is also engaged in strategic conservation planning for the Dhole with the **Smithsonian Institution** to address threats to this important Asian species.

The **Bongo Surveillance Project** has discovered small isolated groups of Mountain Bongo, still surviving in the wild, living in Kenya's highland forests. Taronga's support will facilitate local Bongo Wildlife Clubs to research, monitor and carry out surveillance in forests to determine Bongo biology and best methods for conservation.

Taronga continued to expand its **conservation partnerships** with like-minded organisations to improve conservation outcomes. In 2013-2014, Taronga established four new conservation partnerships bringing the total number of partnerships to 18.

In a partnership with **BirdLife Australia** Taronga will support the recovery project of the endangered Carnaby's Black Cockatoo in Western Australia. This project aims to change landholder behaviour by working with farmers to identify a key natural resource asset that they possess – nesting sites and feeding habitats for Carnaby's Cockatoos – and then to determine appropriate actions to conserve that asset.

In partnership with the **Save the Bilby Fund Taronga** will support building a science-based conservation action plan for the Greater Bilby in Queensland which will set the direction for Bilby conservation and management for the next 5-10 years. Bilbies were once found throughout arid and semi-arid Australia but now their distribution is restricted to about 80% of the original range.

Another exciting conservation partnership was established with **Perth Zoo, Dreamworld** and **ZAA** to support **TRAFFIC**, the wildlife trade monitoring network. Globally, illegal wildlife trade is the second greatest threat to species survival. TRAFFIC operates a global wildlife monitoring network to reduce illegal animal trade across the world. This partnership created a wildlife crime analyst capability within South-East Asia TRAFFIC to collate, manage, analyse and report on all wildlife trade related crime records in the region.

Taronga has also partnered with **Rainforest Rescue** and other organisations in the "Save the Cassowary Campaign" that aims to educate the general public and increase awareness towards the plight of the Southern Cassowary in Australia.

Community Conservation Campaigns

Taronga is increasingly striving to empower visitors and diverse community networks to take action for the wild. Strategic campaigns use inspirational visitor experiences and mutually beneficial partnerships to help ensure a thriving future for both wildlife and people. Through behaviour change science, effective partnership principles and social marketing strategies Taronga's campaigns motivate individuals and businesses to choose, champion and change their simple positive everyday behaviours. Campaign highlights from the 2013/14 year include:

Wildlife Witness:

Combating illegal wildlife trade for greater protection of wildlife around the world including Sun Bears, elephants and rhinoceros.

The Wildlife Witness smartphone app launched in April allows tourists and locals in Southeast Asia to become the eyes and ears in the fight against illegal wildlife trade. The app, available for both iPhone and Android devices, allows the community to simply and safely report incidents of suspicious wildlife trade to TRAFFIC, who then pass credible information on to enforcement agencies for action.

A partnership with TRAFFIC Southeast Asia, the wildlife monitoring network, has been established to support the campaign and help map and disrupt criminal networks behind illegal trade in this high-demand region. Nine Zoo and Aquarium Association (ZAA) member organisations have come together in support of this partnership.

Although in its infancy, Wildlife Witness has been downloaded by over 2,000 people and has already received international acclaim from the Duke of Cambridge and the General Secretariat of CITES.



Fish for Good:

Encouraging shoppers and retailers to make seafood choices which ensure an ocean friendly future for both marine life and humans.

This campaign has continued to support the Marine Stewardship Council's sustainable seafood eco-label through the Seal Show and online. Taronga also hosted a broad and interactive industry forum for Sustainable Seafood Day.

Priorities have included developing and refining the partnership with Woolworths Supermarkets as a major partner of Fish for Good and sponsor of the Great Southern Oceans Precinct. This partnership allows the campaign to expand within Taronga Zoo grounds and online channels as well as through Woolworths stores across the country. An in-store trial provided the opportunity to help 21 million weekly Woolworths shoppers navigate towards better seafood choices at the point of sale. This partnership continues to have unprecedented potential to empower the community in proactive marine conservation.

Nationwide research shows increases in awareness of sustainable seafood as an environmental issue and as a factor in supermarket product choice as well as an increase in recognition for the MSC eco-label.



They're Calling on You

Recycling mobile phones to reduce landfill and support primate conservation.

The recycling of more than 6,400 phones diverted from landfill this year raised over \$12,800 to support primate conservation via the Jane Goodall Institute in the Maiko-Tanya Kahuzi-Beiga region in the Democratic Republic of Congo. The total number of phones now exceeds 33,000 and has raised over \$66,000, whilst also generating increased public awareness of the campaign's conservation issues.



Beads for Wildlife

Supporting people and wildlife in Northern Kenya through alternative incomes and anti-poaching patrols.

Sales of Beads for Wildlife giftware made by women across Kenya's Northern Rangelands Trust have exceeded 15,000 items. Funds from this beadwork provide the communities with alternative income and lessen their reliance on livestock which compete with local wildlife for food and water.

Bead sales enable Taronga to provide an annual salary and equipment support for 21 Conservancy Rangers to undertake wildlife monitoring and anti-poaching patrols across the Biliqo-Bulesa Conservancy. Taronga's Community Conservation Manager visited the community conservancies in Northern Kenya this year to build relationships and understanding and expand the impacts around this important project.



Sustainable Palm Oil campaign development

Taronga is working with Zoos Victoria and the World Wildlife Fund (WWF) to establish a renewed campaign in support of Certified Sustainable Palm Oil (CSPO). Taronga seeks to establish positive working relationships with the Government, NGOs, producers and manufacturers in the palm oil supply chain to transition to 100% CSPO in Australia.

This campaign will be launched in 2015.

Environmental Sustainability

A number of key achievements were made to increase the operational sustainability outcomes for Taronga this year. In October Taronga was awarded joint winner of the Australian Business Award for Environmental Sustainability. Taronga and waste management partner SITA Environmental Solutions were recognised for their leadership and commitment to best-practise waste management.

The ongoing partnership aims to implement strategies that maximise recycling and diversion of waste from landfill. During this period over 80% of general waste, 600 tonnes of animal waste, 100 tonnes of paper & cardboard and 100 tonnes of organic waste was successfully diverted from landfill at Taronga Zoo.

Key sustainable design criteria were incorporated for the first time into the exhibit design of the Lemur Rainforest Adventure capital development project at Taronga Zoo. Outcomes included the installation of thermal heating for the Lemur night dens. The use of renewable energy for heating allowed Taronga to reduce the carbon footprint of the project by 8,212 kilograms per annum.

The reuse of over 100 tonnes of excavated material for fill, as well as telegraph poles and landscaping material have also resulted in significant diversion of waste from landfill for this project.

Messages to influence visitor behaviour change were incorporated into the project, including the use of reusable coffee cups, purchase of Forest Stewardship Council (FSC) certified timber products and purchase of recycled content toilet paper.

Taronga continues to partner with Office of Environment and Heritage (OEH) under the NSW Government Sustainability Advantage Program. Taronga Zoo achieved Silver partner status, while Taronga Western Plains Zoo achieved Bronze. The Sustainability Advantage program provided resources and specialist support to assist Taronga deliver two key management workshops. The workshops aimed to engage middle management in the review of Taronga Sustainability Strategy and will assist with the development of a consolidated direction for the organisation towards 2020.

Taronga has significantly improved performance in accordance with the NSW Government Waste Reduction and Purchasing Policy (WRAPP) regarding publications and purchase of office paper. A major review of paper used for publications and office paper has led to the development of key performance criteria of Taronga's printing stock and office paper. As a result of the review, over 85% of Taronga publications were printed using recycled content or FSC certified stock and over 97% of office paper contained recycled content.

Environmental Performance – Consolidated Report

Resource	2009/10	2010/11	2011/12	2012/13	2013/14	Performance
Total Electricity (kWhrs)	9,770,151	9,495,380	9,403,781	9,700,279	9,556,336	-1%
Natural Gas (MJ)	4,460,518	5,491,914	5,803,347	6,562,397	4,893,303	-25%
LPG (L)	35,633	28,783	33,978	35,872	47,287	32%
Potable Water (KL)	185,572	186,188	152,879	168,608	171,567	2%
Recycled Water Used (KL)	80,000	67,000	77,678	58,120	53,586	-8%
River Water (KL)	307,000	277,000	290,000	476,000	411,000	-14%
General Waste to Landfill (tonnes)	197	177	158	168	170	1%
Bulk Waste to Landfill (tonnes)	317	197	211	227	236	4%
Co-mingled Waste Recycled (tonnes)	332	338	367	343	334	-3%
Paper and Cardboard Recycled (tonnes)	215	210	255	188	182	-3%
Unleaded petrol (L)	49537	46785	51622	39221	33,212	-15%
Diesel petrol (L)	65498	68387	67931	66015	73,547	11%

* Performance is based on figure from previous FY

* 6% of total energy purchased is sourced from green power

* Bulk waste is defined as operational waste

* General waste is defined as non recyclable staff and visitor waste

* Co-mingled waste is defined as aluminium, glass and plastic

* River water is used at TWPZ only

* Natural gas is used at TZ only

* Recycled water is produced at TZ only

* LPG is used at TWPZ only. Increase is due to new accommodation and operations.

* Bulk waste figure is for TZ only

* Food outlet refurbishment contributed to natural gas consumption decrease

ANIMALS IN OUR CARE

A close-up photograph of a meerkat mother and her pup. The mother is on the left, looking directly at the camera with a serious expression. The pup is on the right, looking slightly to the right of the camera. They are both standing on a large, weathered log. The background is a blurred, warm-toned natural setting.

Meerkat mum 'Umi' has given birth to 5 litters since arriving in 2010.

THE CARE AND MANAGEMENT OF SUSTAINABLE POPULATIONS OF ANIMALS SUPPORTING CONSERVATION AND RESEARCH OUTCOMES AND ENABLING INSPIRATIONAL EXPERIENCES FOR VISITORS.



'Nupela' was the first endangered Tree Kangaroo born at Taronga in 20 years.

PHOTO: SAM BENNETT



Rare king cheetah mother 'Halla' and her cubs at Taronga Western Plains Zoo.

PHOTO: LEONIE SAVILLE



...and now we are three — the only Galapagos Tortoises to be hatched in Australia.

PHOTO: SHALLON McREADDIE

Key achievements

- Breeding of threatened and priority species in conservation programs that act against the threat of extinction in the wild, including the successful birth of three Cheetah cubs, the first to rare king cheetah mother 'Halla' at Taronga Western Plains Zoo.
- Taronga also saw the birth of the Eastern Bongo, Goodfellow's Tree-kangaroo joey, Andean Condor chick, and Southern Hairy-nosed Wombat, adding important individuals to these threatened species.
- The births of two Galapagos Tortoise hatchlings at Taronga Western Plains Zoo were only the second and third ever born in Australasia, following the previous birth of a hatchling in 2011.
- Other successful births throughout the year included otters, eland, zebra, Przewalski Horses, Tasmanian Devils, meerkats, Koalas and wallabies.
- Taronga Western Plains Zoo confirmed the pregnancy of two Southern Black Rhinoceros; this was a first for the Zoo's very successful rhinoceros conservation program to have two simultaneous pregnancies. Taronga Western Plains Zoo has had 11 Black Rhinoceros born in the program to date.
- Innovative initiatives for monitoring and measuring welfare at the zoos have been developed, including an Aged Animal Welfare Assessment, an Animal Welfare Incident Reporting system and an ethical decision making process.
- Taronga employed the first zoo nutritionist in Australia. Nutrition is one of the five domains of animal welfare and in line with Taronga's commitment to animal health and welfare, the zoos can now enhance the scientific approach to formulating animal diets and effectiveness in their preparation.
- A new tree plantation was developed as part of a broader strategy to support a sustainable browse supply for animals at both zoo sites into the future.

Performance indicators

	2012/13	2013/14
Species in conservation programs ⁽¹⁾		
Taronga Zoo	13%	14%
Taronga Western Plains Zoo	35%	33%
Wildlife rehabilitation		
Taronga Zoo	1,221	1,361
Taronga Western Plains Zoo	442	599

1. Percentage of total species in Australian Species Management Program (ASMP) Conservation Programs and Population Management Programs.

Life Sciences Taronga

As a conservation society with responsibility for caring for wildlife, Taronga's focus is supporting their needs, interests and welfare, and undertaking scientific work to support ongoing wildlife preservation. Excellent standards of animal care, veterinary management and animal facilities were key for Taronga over the past year. Working towards achieving tangible conservation outcomes has involved breeding of threatened and priority species, ensuring that the animals in our care have conservation relevance and supporting research for wildlife and habitat protection and conservation.

New animals continued to arrive to Taronga Zoo either by birth or transfer to support the zoos conservation and learning objectives. The birth of male bongo, named 'Tambo', in November 2013 positions Taronga Zoo as the leading organisation on bongo management in the region, with five calves born to date. With more bongos in zoos than in the wild this is a significant contribution to the world's bongo population.

Successful breeding was also achieved in a number of species, ranging from dwarf tree frogs and night skinks to star tortoises and red-bellied black snakes; and also from a Southern Hairy-nosed Wombat to several invertebrate species.

Another milestone was the successful breeding of an Andean Condor, which will contribute to the American Zoological Association Andean Condor breeding program, with the longer term goal of releasing birds to the wild.

The Zoo also celebrated the pregnancy of female Western Lowland Gorilla 'Mbeli'; this will be the first offspring of male 'Kibali' after he succeeded as leader of the gorilla group. The future of this gorilla troop is important as they are ambassadors for their wild cousins, and for the 'They're Calling on You' mobile phone recycling program.

A significant achievement was the breeding of the Goodfellows Tree-kangaroo at Taronga Zoo. The joey was born to a newly imported female from Belfast. The female fell pregnant at the first attempt following her introduction to the male. The joey is the first of its species born at the Zoo and a valuable addition to the population of this endangered species.

Taronga has been putting resources into breeding Regent Honeyeaters in anticipation of the largest release of this species that Taronga Zoo has even undertaken. The target of 100 birds for release in 2015 was requested by the recovery team to try answering questions about population dynamics of birds in the wild. Zoo birds already successfully released to the wild continue to be observed with some birds now surviving for four years post release.

The Southern Corroboree Frogs program made significant advances in the last year, with the successful breeding program contributing to a number of in-situ recovery efforts. Over 900 Southern Corroboree Frog eggs were produced this year at the zoo. In addition to releasing eggs into artificial pools in Kosciuszko National Park, some were also released into two large, disease-free enclosures, and a further batch was released into an alternate habitat with reduced disease risk. A cohort of juvenile frogs were released into fenced, rearing enclosures in the wild. Additionally, Taronga helped produce a genetic management plan for the species and sent a large number of frogs and eggs to other institutions to strengthen the overall ex-situ program.

Friday 18th October 2013 marked the end of the extremely successful partnership between Taronga, the Lord Howe Island (LHI) Board and the Office of Environment and Heritage, as part of the trial rodent eradication project for the island. For a 3-month period Taronga bird keepers cared for 20 LHI Woodhen and 10 LHI Currawong that were taken into care as part of a simulated trial for the larger rodent eradication project. All 30 birds were released in good health back to the wild by OEH staff, a testimony to the dedication and expertise of the Taronga staff.

Taronga's focus on continuous improvements in its operational standards of animal care and welfare included progressing staff training, and the development of processes to implement and monitor animal welfare. Two recent initiatives were the development of a detailed process that identifies animals as they approach wild longevity so that regular medical examinations and behavioural observations can begin to support the individual animal through an aged care plan. Taronga has also developed an Animal Welfare Incident Reporting System that will facilitate rapid response to incidents and ultimately improves overall animal welfare.

To support Taronga's visitor experience and learning objectives the Life Sciences team took a lead role in the opening of the Lemur Rainforest Adventure, as well as the acquisition of twelve female Bolivian Squirrel Monkeys and their successful introduction to male 'Chico'. Both experiences provided visitors with inspiring opportunities to engage with and learn about wildlife.

The transition to "restricted contact" in the care of the elephant herd was smooth and successful. A new trailer and tractor were procured for transporting female elephants to resident male 'Gung' for breeding and socialisation. Over the coming year four elephants – females 'Porntip' and 'Thong Dee', and their calves, 'Luk Chai' and 'Pathi Harn' – will be transferred to Taronga Western Plains Zoo to continue with the breeding program and the goal of establishing matriarchal led herds.

The plight of the Greater Bilby was broadcast across the world during the visit of the Duke and Duchess of Cambridge to Taronga Zoo in April. As the Australian Government's gift commemorating the birth of Prince George in 2013 had involved support to Taronga's Bilby program, Their Royal Highnesses visited Taronga to formally name the exhibit and meet the bilby named for George. To facilitate the massive media interest, a temporary bilby display was constructed at the front of the Nocturnal House and the bilby participated in a now famous encounter with the family.

Taronga Zoo welcomed the refurbishment of the animal experience area at the Learning Centre. This has included the addition of a purpose-built echidna exhibit designed to allow visitors and students the ability to interact and have close encounters with these monotremes. The addition of exotic fauna such as the Cotton-top Tamarins has allowed staff the ability to diversify and tailor their education programs, and has added a new dimension to the visitor experience.

A number of significant research programs were conducted by Taronga research centres and affiliated universities. These included projects such as evaluating the use of whisker spot patterns as a non-invasive method of individual identification of seals and sea lions, a seal and penguin accelerometer project, and assisting researchers with designing a tool to monitor wild kangaroo populations. These projects contribute to Taronga's ongoing commitment to achieving tangible conservation outcomes and the highest level of wildlife care.

Life Sciences Taronga Western Plains Zoo

Taronga Western Plains Zoo has experienced an exciting year in Life Sciences with success in a number of programs. Not only was long term planning for staff training realised, but the successful birth of litters of three cheetah cubs and two otter pups, both to first time sire and dams were celebrated.

The Zoo has achieved another breeding success this year with two Galapagos Tortoise hatching in January 2014. These are only the second and third Galapagos Tortoise to be born in the Australian region, and builds upon the success of the first hatchling born at Taronga Western Plains Zoo in March 2011.

The commitment to the Tasmanian Devil Insurance Population Program at Taronga Western Plains Zoo has continued during 2013 and 2014 with successful birth of another four young. The team also participated in a research project with 10 devils involving comparative analysis of the effects of contraception implants throughout a reproductive cycle. The research will better inform targeted breeding for this species in the future.

The Life Sciences team has continued to plan and manage many new arrivals throughout the year. Births included five Swamp Wallaby's, one Red-necked Wallaby, three Koala joeys, two Meerkats, three Przewalski Horse foals, seven Eland calves, a Banteng, 44 Blackbuck calves, a Wapiti calf, two zebra foals, two Addax calves and three Barbary Sheep lambs.

It was another big year for transporting Giraffe at Taronga Western Plains Zoo. The team's years of experience of managing national and international giraffe transports by road and sea was added to when, in June 2013, a young male giraffe by the name of "Fanana" was successfully transferred to Orana Park in New Zealand by air. Other Giraffe moves included two adult males moved internally from the main group to the bachelor group that now provides a great wildlife experience for guests to Zoofari Lodge.

The Black Rhinoceros program continued to be a prominent focus at Taronga Western Plains Zoo. Extra staffing resources allowed for intensive management and husbandry techniques that resulted in two cows currently being pregnant. With a gestation of 14-16 months, both cows are due to calf in the second quarter of 2015. The management program has also allowed for the conditioning of all 10 Rhinoceros

to voluntarily stand for blood draws, giving the veterinary department access to a diverse array of valuable clinical information from the rhinos previously only gained under general anaesthetic.

Ongoing introductions to support breeding attempts with the pair of Greater One-horned Rhinoceros have continued to be managed.

The Life Sciences team successfully introduced two breeding groups of Hippopotamus during the year and look forward to successful results from these pairings. The importance of this work is underscored by the fact that Taronga Western Plains Zoo currently holds the only breeding bulls left in Australia.

Zoo keepers also managed the integration of a new male Spider Monkey into the all-female troop over a four month period.

A number of exhibit development projects were progressed throughout the year, and a new Black Rhinoceros exhibit was completed, as well as the first stage of the Savannah Exhibit with a new moat and fencing.

Taronga Western Plains Zoo's Life Sciences team continues to review and revise its visitor experience program, Keeper talks and encounters. The Meerkat Encounter continues to be a highlight for visitors. The team is committed to building strong customer relationships that support ongoing staff development and foster positive animal welfare and visitor experiences.

Taronga Wildlife Hospitals Taronga Zoo

Nutrition is recognised as one of the key components of animal welfare. In line with Taronga's commitment to animal health and welfare, Taronga employed Australia's first zoo nutritionist. Scientific principles are now applied to diet formulation to ensuring both their physical and psychological well-being of the animals in Taronga's care.

Through excellent veterinary care, nutrition and husbandry and the absence of the threats that face wild animals face, Taronga's animals live well beyond the average age of their wild counterparts. This resulted in an increase in the number of animals with health conditions associated with ageing. In line with Taronga's commitment to ensure excellent quality of life for its animals, a process for assessing the condition and welfare of aging animals to assist decision making about humane end of life planning has been developed.

This is being achieved through the use of an aged animal assessment tool. As animals age the tool guides decisions on management and where necessary, humane euthanasia before quality of life deteriorates or the onset of suffering.

In order to maintain a healthy, reproductively viable population of animals, that support Taronga's conservation and learning objectives, it is necessary to regularly bring new animals in and move others out. Taronga is committed to ensuring that those animals coming to Taronga, and also those to be re-homed at other zoos are healthy, and free of disease that may spread to other animals and people. This requires considerable commitment by the veterinary team and includes quarantine, coordination and implementation of pre- and post-arrival health screening, pre-shipment examinations, and appropriate preparation for transport.

Taronga Western Plains Zoo

In order to provide an outstanding level of care, the Wildlife Hospital team continually strive to apply latest veterinary advancements to everyday tasks. This year saw an increase in the use of patient-side monitoring technologies for anaesthetised animals, the inclusion of additional health screening protocols during routine checks of various species including koalas and snakes, and improvements to the laboratory capabilities for screening and investigation of parasitic diseases.

The zoo's preventative health program remains a focus for all animals, from the youngest cheetah cub to the oldest Asian Elephant. Regular and thorough checks are performed to ensure any developing health problems are caught early, thereby improving therapeutic responses and outcomes. A malignant tumour was identified in a Black-and-white Ruffed Lemur during a regular check and resulted in prompt curative surgery. Other significant medical cases relying on staff expertise included the diagnosis and treatment of an infection in our White Rhinoceros calf and investigation of heart disease in Tasmanian Devils and an African Wild Dog. Some conditions necessitated surgery including caesarean procedures on two ring-tailed lemurs and debridement of a shell abscess in a Galapagos Tortoise. Collaboration with specialist veterinary ophthalmologists resulted in resolution of a corneal ulcer in a Black Rhinoceros in Dubbo and the treatment of an eye infection in a Sumatran Rhinoceros in Indonesia.

It was another busy year in our quarantine facilities with new arrivals including various ungulates, an ostrich, a lion, two pythons and eight African Wild Dogs. Each arrival underwent a period of isolation and close monitoring to allow specific medical assessments to be carried out before joining our existing population. The team also oversaw the stringent pre-export quarantine requirements of a Giraffe destined for New Zealand and four Tasmanian Devils exported to the USA.

Wildlife Rehabilitation

Taronga Zoo

As part of Taronga's commitment to the conservation of wildlife, Taronga Wildlife Hospital (TWH) received 762 sick, injured and orphaned native animals for treatment and rehabilitation. They were brought to the hospital by government wildlife authorities, members of the community and wildlife rescue groups. All birds released were banded with Australian Bird and Bat Banding metal bands to enable post release monitoring. Sixteen animals that were unable to be released due to their injuries were quarantined and entered the Taronga Zoo population.

Thirty endangered marine turtles were admitted to TWH from coastal New South Wales. Marine turtles are brought to the hospital for a variety of reasons with approx 22% suffering from human impact through plastic or fishing hook ingestion, boat strike or fishing line entanglement. This year saw the launch of Taronga Conservation Society's Marine Turtle Satellite Tracking Project which will enable monitoring of treated turtles once they have been returned to the wild. Satellite tracking of these turtles can lead to a better understanding of turtle survival, habitat use and the impact of marine pollution/human interaction on turtles in New South Wales. The project runs in conjunction with the Fish for Good Campaign and is funded by the sale of reusable shopping bags sold through Woolworth's supermarkets.

Other threatened and endangered animals successfully treated and released from TWH include a Pied Oystercatcher found entangled in fishing line and hooks, two Powerful Owls with head injuries, a Northern Giant Petrel with a fractured leg and a Bush Stone Curlew from the NPWS-managed colony north of Sydney. These animals and other wildlife cases received extensive media coverage with television, newspaper and radio interviews. An 18-month old New Zealand Fur-seal was

successfully treated for severe shark bite wounds before being quarantined to enter the Seal show at Taronga Zoo.

Taronga Western Plains Zoo

Almost 600 free-ranging wild animals were admitted to the clinic representing a 35% increase in caseload compared to the previous year. The cases varied widely in terms of species and types of injuries and illnesses.

Highlights included the rehabilitation of a young red-tailed tropic bird found in central west NSW, the hand-raising of an orphaned echidna puggle and successful repair of orthopaedic injuries in various macropod patients. Hospitalisation facilities for large, flighty animals as well as waterfowl were enhanced by the renovation of a series of ex-exhibit yards into extensive rehabilitation enclosures.

An invitation to join the Zoo-based Wildlife Health Surveillance Program coordinated through Wildlife Health Australia was accepted. This program recognises that zoo clinics are an important source of information on wildlife and can make a significant contribution to disease surveillance. Disease events that meet certain criteria are reported into a national database on a monthly basis.

One event where the Wildlife Hospital played a key role occurred in early 2014. Hundreds of free-ranging native birds were found dead at a riverside location on the outskirts of Dubbo; smaller numbers of birds were alive but incredibly weak. A total of 66 birds representing five species were rescued from the site and transferred to the Hospital for assessment, treatment and rehabilitation.

The rapid and coordinated response to this event involved collaboration with a number of government and non-profit agencies. Laboratory testing confirmed the birds had been exposed to the toxic compound fenthion. Despite the severity of their clinical signs, more than 60% of the treated birds including psittacine species and raptors were able to be subsequently returned to the wild. This event generated considerable local media interest and highlighted the Hospital's unique role in wild animal welfare, investigation of wildlife disease and dissemination of information to key stakeholders.



VISITOR EXPERIENCE & LEARNING

The Royal visit was seen by over 160 million people around the globe.

CREATING INNOVATIVE AND ENGAGING EXPERIENCES THAT ATTRACT ZOO GUESTS, EXCEED GUEST EXPECTATIONS, INSPIRE LOYALTY AND INFLUENCE POSITIVE BEHAVIOUR CHANGE.



Burbangana and Walanmarra programs transform lives.

PHOTO: NARDI SIMPSON



Both Zoos won top honours at the Australian Tourism Awards.



560 million Aussie Animals collectable cards enthralled children across the country.

Key achievements

- Taronga’s new Lemur Forest Adventure opened, showcasing precious lemur habitat and offering compelling lemur interactions. The exhibit included an engaging play area, and won an award for design and construction.
- Wild!Rhinos, an exciting community event bringing businesses, artists and schools together, created a spectacular trail of 125 rhino sculptures throughout Sydney, and regionally to Dubbo. The project generated awareness of threats faced by rhinos in the wild from poaching, and raised over \$1 million.
- Through Taronga’s partnership with Woolworths, the Aussie Animals Collectables campaign launched in over 900 stores, with 560 million educational cards distributed. Research identified that 89% of participants believed it was an excellent tool to educate kids on Australian animals.
- Coordination of the visit of the Duke and Duchess of Cambridge to dedicate the Prince George Bilby Exhibit resulted in stories about Australia’s unique wildlife reaching 160 million people across 123 countries in 42 languages.
- Taronga achieved double recognition at the Australian Tourism Awards with Taronga Zoo winning Australia’s best Major Tourist Attraction and Taronga Western Plains Zoo winning best Tourist Attraction, both having already won their respective state categories to qualify for the national award.
- Taronga’s collective social media audience surpassed 145,000 followers, including 110,000 on Facebook, and the new Instagram audience growing to over 20,000.
- The zoos’ Burbangana and Walanmarra programs continued to work magic for at-risk NSW children. Fourteen children completed this Aboriginal-focused mentoring program that uses animals and people to reconnect children.
- The Taronga Western Plains Zoo local Dubbo Zoo Friends Membership exceeded a record 10,000 members; more than 20% of the local population.
- Refurbishment of outdoor exhibits at Taronga’s Education Centre substantially boosted the delivery of quality, high impact wildlife encounters for students, guests and VIPs.
- Final episodes of the national television series, Wild Life at the Zoo showcased conservation and animal care at Taronga zoos. The series won a silver award in the New York Film and Television Awards.

Performance indicators

	2012/13	2013/14
Total visitation	1,706,278	1,686,606
Students visiting on a school excursion		
Taronga Zoo	108,142	107,006
Taronga Western Plains Zoo	13,384	11,613
People participating in Public / Outreach education programs		
Taronga Zoo	37,799	43,987
Satisfied guests as measured through satisfaction surveys		
Taronga Zoo	91%	91%
Taronga Western Plains Zoo	84%	88%
Complaints per 1,000 guests ⁽¹⁾		
Taronga Zoo	0.22	0.19
Taronga Western Plains Zoo	0.45	0.49
Conference and workshop proceedings delivered by staff (including workshops convened)	30	26

1. Calculation excludes Twilight concert attendees at Taronga Zoo and function guests at both Zoos.

Guest services

Guarantee of Service

Taronga’s Guarantee of Service ensures a consistent level of service is provided to all guests, 365 days a year by all Taronga staff. Customer feedback is welcomed, with every form of feedback being personally responded to by the Guest Services team.

Taronga’s front line guest services teams continued to deliver a high level of customer service all year round. This dedicated team is committed and passionate about all guests having an excellent experience across both zoos. Any feedback or visitor difficulty is responded to quickly and promptly with high regard to the needs of the visitors.

Visitor Satisfaction Surveys

Self-completion Customer Satisfaction Surveys were implemented across both Zoos, and transitioned from surveying guests only during school holidays to implementing year-round surveys using iPads at Taronga Zoo and digital kiosks at Taronga Western Plains Zoo. This provided a more robust and timely reflection of performance and customer satisfaction levels.

Visitor customer satisfaction levels; 12 month average	TZ			TWPZ		
	2011/12	2012/13	2013/14	2011/12	2012/13	2013/14
Overall satisfaction with value for money	4.1	4.5	4.6	4.3	4.2	4.4
Educational value	4.6	4.4	4.4	4.1	4.2	4.5
Seats/rest areas	4.4	4.4	4.4	4.1	4.3	4.5
Ease of moving around	4.4	4.3	4.3	4.5	4.4	4.6
Visibility of animals	4.2	4.3	4.3	4	4	4.2
Welfare of animals	4.5	4.5	4.4	4.7	4.6	4.6
Variety of animals	4.8	4.6	4.6	4.3	4.2	4.3
Helpfulness of staff	4.7	4.6	4.6	4.2	4.5	4.5
Shows and keeper talks	4.7	4.4	4.3	4.5	4.5	4.6
Cleanliness of grounds/facilities	4.8	4.6	4.8	4.7	4.6	4.8

TZ = Taronga Zoo, TWPZ = Taronga Western Plains Zoo.
12 month average converted to an average out of 5.0 = very satisfied. 1 = very dissatisfied.

Formal Learning

The enduring formal education partnership with the Department of Education and Communities, Sydney Metropolitan Catholic Education system continued to deliver excellent outcomes for students. Close alignment with these partners enabled Taronga to deliver innovative and high quality curriculum linked education programs. The formal education team developed materials to transition existing programs to the new National Curriculum to be launched in 2015.

Across both zoos and all programs 141,844 students participated in formal Taronga education programs. At Taronga Zoo 107,006 students visited Taronga for a learning program with 48,775 having a formal workshop delivered at one of the learning precincts. At Taronga Western Plains Zoo 10,753 students visited as part of a learning program, with 5,875 having a formal workshop in the immersive and themed Education Centre. Technology has been a focus of both teams with the use of video conferences and mobile devices to enhance learning.

ZoosnooZ

Taronga Zoo had a record breaking year with 7,169 experiencing the once-in-a-lifetime ZoosnooZ program. This is up 889 on last year’s number. TWPZ also had an impressive year with Billabong Camp as the setting and 1,862 students participating, an increase of 237 on last year’s total. The highlight for the students is the night walk where both zoos offer surprises and memorable experiences.

Online Learning

Recognizing online learning as the future of education, the Learning teams concentrated resources to deliver effectively in this area. Video conferences focusing on sustainable seafood, literacy, careers, Aboriginal culture, reptile keeping, animal classification and

sustainability were some of the topics covered this year. In total 5,470 students participated, with the video conferences receiving excellent feedback from teachers.

A wild Aussie app was developed for both zoos in partnership with the Department of Education and Communities to enhance learning about native species. At the end of taking the interactive trail students inserted facts and photos and developed their own conservation

focused poster that was emailed to their school. The app has been shortlisted for educational app of the year.

Zoomobile School Visits

This outreach program developed for students who face challenges either by distance, economic factors or health continues to deliver excellent outcomes for students. Last year it educated 18,615 students all over NSW often in remote locations, and other types of schools including juvenile justice centres, hospital schools and schools for special needs students. The community Zoomobile delivered offsite animal experiences to additional 25,372 people.

Wildlife Workshop

Developed for overseas students, this program had a very strong year. After some economic challenges in previous years, more overseas students are visiting Taronga with 757 participating this year compared with 548 last year.

Project Insitu

In this program students become the experts and drive behaviour change in their communities to save species. Project Insitu is a six week student-centred program that utilises a project based learning model to develop conservationists of the future.

This year 1,555 students participated, focusing on species including Little Penguin at Manly, Powerful Owl at Hornsby, Regent Honeyeater at Lithgow and Golden Gliders at Lismore and Water Rat at Dubbo.

Burbangana and Walanmarra (Department of Family and Community Services partnership programs)

Additional resources provided by the Department of Family and Community Services have expanded this program that works with at-risk children. Two additional Aboriginal Projects Officers have been employed to allow more children to undertake this innovative and life changing program.

Burbangana, delivered at Taronga, works closely with Department of Family and Community Services Intensive Support Services team and provided programs for NSW’s most disadvantaged and at-risk children. Walanmarra, delivered at TWPZ, liaised closely with Department of Family and Community Services Western Region and focused on Primary-age Aboriginal children in foster care.

Both programs deliver excellent outcomes for the children, who demonstrate exceptional levels of engagement. The programs deliver improvements in confidence, self esteem, communication and social skills. Subsequent workshopping with leading child psychologists has emphasised that the key to success has been the zoo providing a blame-free environment; and the children working with keepers has allowed them to participate in best practice care. These factors, as well as an environment of non verbal empathy, have seen some significant transformations of the children. It is planned to trial the program at other zoos next year.

Vocational Training

The Taronga Training Institute (TTI) continues to grow and expand. The accredited Certificate II Animal Studies and Certificate III Captive Animal courses were all over-subscribed. This year 88 students completed Animal Studies with another 72 students enrolled in the Captive Animals course. Of these students 24 are based at Taronga Western Plains Zoo. Another 106 students participated in non accredited courses including photography and caring for animal species. Certificate III in Tourism is also popular with 35 enrolling and completing a year-long internship.

Work Experience

This program for year 10 students gives insights and hands-on experience for prospective Zookeepers. Mentored by keepers, the students experience first-hand this unique occupation. This year 340 students participated at Taronga Zoo with another 35 based at Taronga Western Plains Zoo. Another 548 students participated in the day-long 'meet a keeper' program across both zoos to get insights into Zoo keeping.

Community Learning

These programs are designed to deliver conservation outcomes but are accessible to all and delivered in an informal and engaging way.

Zoo Adventures

This hands-on animal focused holiday program had a solid year at both zoos. At Taronga 1,705 children participated in Zoo Adventures, which is up 290 on last year, while at Taronga Western Plains Zoo 618 children attended, down by only 7 children from last year's total.

Boral Youth At The Zoo (YATZ)

These inspiring teenagers are a true asset to both zoos. Their skills and dedication to conservation is obvious to all that meet them. They enhance visitor learning utilising the "kids teaching kids" model and volunteer and assist in most areas of the zoo. They help with husbandry, community conservation campaigns, holiday programs, overnight programs and even fundraising events. A number of ex YATZ participants are now embarking on careers focusing on Zoos and conservation. At Taronga there are 346 active YATZ students and 42 at Taronga Western Plains Zoo.

'Roar and Snore' and 'Billabong Camp'

Both programs had very strong years. At Taronga Zoo 11,066 people participated in the program, which is 1,911 up on last year's record-breaking number. The program was conducted on 301 nights of the year and received excellent feedback from visitors. Billabong Camp at Taronga Western Plains Zoo had 5,380 people participate in the program, up a staggering 2,505 from last year.

Keeper for a Day

This hands-on immersive program continues to grow. Participants work with keepers assisting with husbandry and enrichment activities as well as learning more about animals. They also assist in exhibit maintenance and participate in animal encounter sessions. This year 1,169 people participated in the program, which is up by 90 people from last year.

Visitor Learning and Interpretation

The Visitor Experience and Interpretation team aims to enrich the visitor experience, making it more meaningful and enjoyable through shows, presentations, guided tours, signs, installations, trails and immersive exhibit design. Ultimately, these experiences aim to enhance visitors' understanding, appreciation and support of the Zoo and wildlife and encourage them to take sustainable actions for wildlife conservation.

Highlights for Taronga Zoo were:

- Improving the visitor experience by developing;
 - a new electronic delivery of information at the admissions and information counters;
 - development of a new kids map;
 - guided walk trails for primates and reptiles, and
 - the new Wildlife Hospital Tour.

Developing and implementing interpretive materials to engage visitors at Taronga Zoo at:

- The new Wild Ropes experience;
- The Nocturnal House;
- Gorilla Exhibit;
- Great Southern Oceans;
- Backyard to Bush, and
- Reptile World exhibits.

Planning and development of integrated interpretive content for large-scale projects included the Sumatran Tiger Exhibit, Theatre, Roar and Snore Retreat, the Dinosaur exhibition, and illegal Wildlife Trade exhibition promoting the new Wildlife Witness app.

Continued support of the Taronga Reconciliation Action Plan included NAIDOC Celebrations, Aboriginal Discovery Host recruitment and training and the Nura Diya Tour.

Continuous improvement of interpretive content for publications included the Zoo Map, Zoo Guide, the What's On supplement, website, social media and e-newsletters.

Ongoing participation and delivery of a variety of training projects for staff included Marine Mammals staff training for a new partnership with Captain Cook Cruises to deliver whale watching tours; Lead Host training; interpretive talk and tour training workshops for keepers, Discovery Hosts, YATZ Volunteers and Zoo Volunteers including Lemur Champions; and continued support for the Marketing and Foundation teams to deliver sponsor supported school holiday trails.

Support for Taronga's Bird Festival involved assistance with programming and development of activities.

Highlights for Taronga Western Plains Zoo were:

- Development, installation and maintenance of interpretive materials at Taronga Western Plains Zoo and devices to engage visitors at the elephant exhibit; and Greater One-horned Rhino/Otter exhibit;
- Improvement to the way-finding banners for Rhinos;
- Discovery Host training and support;
- Development and refinement of the Billabong Camp visitor experience, and
- Planning and development of integrated interpretive content for the Asian wetlands.

Zoo Friends

The Zoo Friends membership program saw a decline in membership compared to the previous year. In total, there were 64,854 members as at 30 June 2014, a decrease of 14%, delivering a full year income of \$3,910,139.

The decreased numbers are a combined result of fewer new members joining and a reduction in existing members renewing. This has been due to technology issues, as the online Zoo Friends portal has not been available, therefore all new and renewing members have been required to either phone or visit the office, and has had a detrimental impact on membership numbers. Work is underway to develop a new online Zoo Friends portal.

The Dubbo \$35 local residents offer has continued to be very successful with Taronga Western Plains Zoo recording 8,496 memberships at 30 June 2014. Despite the fall in membership numbers, Zoo Friends visitation remained strong throughout the year with over 242,000 visits.

Four editions of the popular Wildlife magazine were successfully published during the course of the year.

Corporate Communications & Media Relations

In 2013-14, the Media Relations team rapidly expanded the Zoos' presence in digital and social media using self-produced content which generated large-scale news coverage nationally and internationally for both zoos on a scale previously unattainable.

Achievements included the debut of the ground-breaking Wildlife Witness App developed by the Zoos and operating with the Global anti-wildlife trade organisation TRAFFIC, and the launch of the unique Wild! Rhinos Community Art Project at the Sydney Opera House.

The visit to Taronga by the Duke and Duchess of Cambridge in April generated blanket media coverage, with 90 news items in Australian media alone. Global coverage reached 160 million people in 123 countries across 42 languages.

Not including the Royal visit coverage, Media Relations generated 3,544 zoo stories, up 20% on 2013, which, using the equivalent advertising value was estimated at \$28.28 million, up 20% in traditional media platforms alone. With the addition of the Australian-based media coverage of the Royal visit, the overall total was \$31.57 million.

News coverage of critical conservation projects included global awareness of the Bilby following the Royal visit to Taronga in April, the opening in December of the Lemur Forest Adventure by the Premier, the Hon Barry O'Farrell MP, high-profile stories on the TCSA's scientific work on the national broadcaster, ABC, and expanded accommodation capacity at Taronga Western Plains Zoo.

Social and online news coverage of the Zoos is based on an integrated approach by the Media Relations unit, which is now generating full multi-platform packages of photos, vision, audio and print by upgrading staff skills to focus on high-value, high-quality material tailored for digital user consumption.

An excellent example was the Zoos' Instagram account which by engaging with high-volume Instagrammers and featuring the best Zoo-based wildlife photography surged from 1,000 users to 16,482 in just eight months to June 2014.

Similarly, the Facebook followers increased 25% to 101,467 fans, Youtube to 430,716 views and Google+ rose nearly 50% to 27,300 users. Twitter feed increased 30% to nearly 11,000 followers, or 180 mentions a day by June.

Media value summary		
Television	Items	Value (\$)
Taronga Zoo	601	\$15,667,222
Taronga Western Plains Zoo	108	\$3,656,656
Total	709	\$19,323,878
Radio		
Taronga Zoo	622	\$1,051,402
Taronga Western Plains Zoo	285	\$503,539
Total	907	\$1,554,941
Press		
Taronga Zoo	1092	\$6,942,081
Taronga Western Plains Zoo	836	\$3,752,781
Total	1928	\$10,694,862
Overall Total	3544	\$31,573,681

Note: Total media including Royal visit media

TCSA Digital Snapshot

Facebook	101,467 Followers
Twitter	10,854 Followers
TCSA Youtube	430,716 Views
TCSA Website	238,211 Views
Google +	27,300 Followers
Instagram	16,482 Followers

Capital works and project planning – Taronga Zoo

Lemurs

The Lemur Forest Adventure located at the site of the former seal pools, was completed in October 2013 and opened to the public in December 2013. This new exhibit is home to 8 Ring-tailed Lemurs and includes visitor adventure play activities and an immersive forest experience.

Education Precinct – VIP Animal Holding Refurbishment

This high profile, behind-the-scenes area, required a significant upgrade to facilities. The works included new exhibits for koala, echidnas, lizards and tamarind monkey. A free ranging macropod area is located centrally with new shade structures over the existing tiered seating area and a new koala bay. New fencing, paths, sandstone seating and planting has greatly enhanced the overall amenity. The memorial bell was repositioned to become the feature piece in a new green breakout space. Construction work commenced in July 2013 and was complete in December 2013.

Taronga Zoo Master Plan

Taronga Zoo is developing a new Master Plan to address the needs of the site over the next 10 years. This Master Plan will provide guidance on the works required to maintain and renew Zoo assets, as well as proposed new and exciting animal exhibits, visitor facilities and attractions. Taronga Zoo's commitment to education, research and conservation facilities will also form part of this Master Plan.

High Ropes Course

The design process for the high ropes course was completed in early 2014 and the construction component has been tendered with the successful contractor commencing onsite in July 2014. Construction completion is scheduled for October 2014 with 'Wild Ropes' scheduled to open to the public in November 2014.

Capital works and project planning – Taronga Western Plains Zoo

Zoofari Accommodation Redevelopment – Tents

On the strength of the recently refurbished Zoofari lodge, ten new luxury tents were completed in March 2014. Canvass tents hang from a spectacular curved steel roof, which hovers above a timber flooring platform. Each tent has a large covered deck overlooking the African Savannah with king-sized bedroom and generous bathroom at the rear. Clever architectural joinery allows the bathroom to be opened up to frame the distant views. A mosquito net, overhead fan and African themed furniture completes an understated yet luxurious experience.

Savannah Cabins

15 pre-fabricated cabins were constructed, delivered and installed by a local manufacturer. The contemporary, self sufficient homes contain two bedrooms and two bathrooms, a kitchen and living room. With external decks and adjacent car parking, they aim to service the family and corporate markets. The green-field site location meant that new infrastructure (road, power, potable and non-potable water, sewer and communications) was designed and built to service the cabins. Landscaping is currently being completed, with the first guests staying in September 2014.

Taronga Western Plains Zoo Master Plan

Taronga Western Plains Zoo is developing a new Master Plan to address the needs of the site over the next 10 years. This Master Plan will provide guiding principles for the enhancement of the Zoo.

African Savannah

This year saw the completion of the southern area adjacent to the new Zoofari Cabins. Expansion of the exhibit was undertaken allowing the animals to get closer to arriving guests and unsightly fencing was removed. The arrival experience for Zoofari has been greatly improved.

Black Rhino

Black Rhino are a flagship species for Taronga Western Plains Zoo. The new Black Rhino exhibit adjacent to their current exhibit allows animals to be managed in this larger free-range environment. There have been major improvements to visitor experience as well as the standard of welfare provided to the animals.

Critical Breeding Elephant Facilities

In support of Taronga's breeding successes, construction is well underway on the expansion of the existing Elephant Precinct at Taronga Western Plains Zoo. The works include a new three stall management facility and annexed keeper amenities, new bull-proof paddocks, large ponds, working walls and animal enrichment items. Key environmental items included in the building are insulated panelling, orientation and air flow management, a 10KW solar supply, hydronic "hot water" heating to stall sand beds and river water usage throughout the facility. The design creates an innovative facility that is flexible, practical, safe and sustainable, that meets the welfare needs of Taronga's elephants and staff and is scheduled for completion late in 2014.

Taronga Zoo Heritage and Asset Management

There is a continuing commitment to manage and conserve Taronga Zoo as a special and valued heritage place. Liaison has continued with the NSW Heritage Division and Mosman Council as part of statutory requirements to conserve heritage assets.

To assist the management of the Zoos' Heritage and Conservation Register, items were mapped on an electronic plan. Work has commenced updating the register to an easily accessed electronic format. Consideration of heritage values was integrated into developments such as the lemur and high ropes course projects. Archival standard photographic records were prepared of several exhibits proposed for future upgrading. Heritage values have been considered in planning for all future developments.

Maintenance of the site's natural, cultural and moveable heritage assets continue as part of planned works and to respond to unforeseen needs. Critical repairs to our heritage sandstone perimeter wall were undertaken by skilled stonemasons using the original stone and mortar matching the original.

The finalisation of the Lemurs Precinct involved the repair of sandstone seats in the vicinity and retention of some original masonry balustrades and sandstone stairs. Further heritage sandstone seats near the Chimp enclosure were also restored.

Taronga Zoo Facilities and Infrastructure Asset Maintenance

Routine Maintenance Contracts:

Period Service Contracts continued to provide ongoing preventive maintenance to Taronga Zoo's fire systems, lifts and escalators and all essential equipment.

General Maintenance:

Projects undertaken under general maintenance included new electrical safety switches at the Taronga Centre and The View, new safety barriers for loading docks, wash-down of the heritage elephant temple, replacement of chain-wire and brush fencing at the Styx Yard compound, upgrade of the stormwater pumping station opposite the Lower Entry to increase flows to the water treatment plant and a new roof for the main electrical switch-room building.

Animal Welfare Maintenance:

Contract works for exhibit maintenance included replacement of shade sails above the Great Southern Oceans (GSO) holding pools, replacement of airlock doorways at Palm Aviary, replacement of timber decking in Wetlands Aviary, re-meshing the 10 holding aviaries at the Bird Show, new ceiling mesh for Sun Bear dens and new dunart exhibit in the Nocturnal House.

Visitor Enhancement Maintenance:

Projects undertaken to improve visitor experience included replacement of Taronga Food Market timber doors and fly screens, replacement of roof gutters at The View and painting many public space areas including the Gorilla Exhibit, Taronga Food market (TFM), the Bird Show and Nocturnal House plus a new decorative wall mural at the ANZ Lecture Theatre.

Taronga Western Plains Zoo Maintenance

Various projects were undertaken including the preparation of a new Bushfire Management Plan, a new padlock system to suit security requirements, painting of the Savannah night yards, elephant exhibit fences and Black Rhino holding yards.

Horticulture

The new horticulture team undertook significant improvements to the Taronga Zoo grounds and, in particular, improvements from the Taronga Centre to Roar and Snore in preparation for the royal visit. The horticulture team also undertook two working trips to TWPZ to assist with grounds maintenance associated with the opening of new works.

10,000 trees have been planted at the new browse plantation site at the University of Western Sydney Richmond campus. This site will ensure browse stock levels are able to be maintained, and future-proofing for animal care and welfare needs.

FINANCIAL SUSTAINABILITY



THE ONGOING MANAGEMENT OF OUR ENTERPRISE TO FUND AND SUSTAIN SUCCESSFUL CONSERVATION AND EDUCATION OUTCOMES.



The beautiful Billabong Camp visitor experience at Taronga Western Plains Zoo.



John Cleese generously supported events at both zoos.

PHOTO: PAUL FAHY



Jane Goodall's visit included hosting a fundraising event for chimpanzee conservation.

PHOTO: RICK STEVENS

Key achievements

- More than 1.6 million people visited Taronga Zoo and Taronga Western Plains Zoo in 2013/14, with Taronga Zoo recording its second highest Paid Admissions. The combined admissions revenue exceeded \$31 million, an increase of 4.8% on last year to reinvest into zoo programs.
- The Taronga Foundation raised nearly \$1 million from a broad range of events. The most successful Taronga fundraising dinner to date and a Zoofari gala dinner supported elephant and chimpanzee programs. Other successes included a breakfast hosted with Jane Goodall, an evening with John Cleese and New Year's Eve at Taronga.
- Taronga Western Plains Zoo achieved almost \$12.5 million in overall revenue from its operations for the year.
- Zoofari Lodge was transformed by a \$2.5 million redevelopment through the addition of 10 luxury safari tents adjacent to the African Savannah and the award of a \$250,000 grant to develop the Savannah Cabin project through the NSW Regional Economy Fund Grant Program.
- The continued success of Taronga Zoo's Roar and Snore and the major investment in accommodation at Taronga Western Plains Zoo yielded in excess of \$5.3 million in revenue from overnight stays, an increase of 12.8% on the previous year, contributing to the NSW Government's objective to double overnight visitor expenditure by 2020.
- Revenue generating activities at Taronga Zoo yielded strong results. Animal Encounters achieved a record outcome with financial growth in excess of 45% and 29,000 people attended the Twilight Concert series, a growth of 8% on last year.
- International visitors to Taronga Zoo grew by 21% on the prior year, with China leading the way with 53% growth.

Performance indicators

	2012/13	2013/14
Direct Government support per visitor (including contribution for capital development) ⁽¹⁾		
Taronga Zoo	\$9.98	\$9.13
Taronga Western Plains Zoo	\$11.75	\$10.47
Operating expenses per visitor (Excluding Taronga Foundation)		
Taronga Zoo	\$42.70	\$45.69
Taronga Western Plains Zoo	\$65.62	\$72.46
Capital expenditure per visitor		
Taronga Zoo	\$5.03	\$4.05
Taronga Western Plains Zoo	\$8.58	\$33.99
Taronga Foundation fundraising revenue	\$11.00	\$13.26

1. Calculation excludes Twilight concert attendees at Taronga Zoo and function guests at both Zoos.

Admissions

Taronga Zoo

Taronga Zoo enjoyed strong growth in paid admissions* throughout the year, which was up by 2.3% on the prior year at more than 1.18 million visitors. This positive result was in part assisted by a growth of 21% in Taronga Zoo's international visitation.

Taronga Zoo admissions revenue was up by 6.4% on the prior year reflecting strong growth in paid admissions and effective yield management. Taronga Zoo's total admissions** of 1.46 million represented a 0.9% decrease on the previous year, primarily due to a reduction in the number of visitors accessing the zoo free-of-charge.

The number of weather affected days during the year was 9% higher than the previous year at 62 weather affected days but was still 35% lower than the preceding five year average.

Notwithstanding the favourable weather conditions, 2013/14 presented a continued challenging economic environment. The opening of the Lemur Forest Adventure, the media and public awareness generated by the Royal visit in April 2014 and the introduction of new distribution channels targeted to international tourists were all crucial in achieving the full year results.

Taronga Western Plains Zoo

Paid visitation* to Taronga Western Plains Zoo totalled 187,000 visitors across the year, with total visitation** reaching 223,000 people. Admission revenue of \$3,860,000 was achieved for the year.

A strong focus was placed on both the local Dubbo and Regional NSW markets to drive membership and overnight stays at the expanded accommodation offering. As a result record levels of both membership participation and overnight visitation occurred in 2013/14. In April 2014 local Dubbo Zoo Friends Membership peaked at over 10,000 members, which is in excess of 20% of the overall Dubbo population.

Marketing and Promotional Activities

Taronga Zoo

Taronga Zoo delivered another solid program of marketing and promotions activity across the year, maintaining brand awareness in excess of 91% in the Sydney market. A major highlight was the opening of the Lemur Forest Adventure. Promoted across the summer period with a follow-up campaign in April heralding the opening of the interactive Lemur walk-through section, the integrated use of digital, out-of-home and print advertising combined with themed PR activities delivered strong attendances across the summer and autumn holiday periods.

Close collaboration with Taronga's corporate partners enabled Taronga to leverage numerous brand-building opportunities. The most significant of these was the Woolworths Collectible cards initiative which saw 560 million Taronga branded 'animal cards' distributed to children nationwide, re-enforcing Taronga's national brand awareness and positive associations with wildlife, conservation and education.

Attracting increased international visitation to Taronga Zoo continued to be a priority strategy for 2013/14 and a dedicated approach to the Chinese market including bespoke product development, overseas sales missions and the engagement of in-country representation yielded positive results. Collectively these activities resulted in a 53% increase in visitation from Chinese tourists, with the China market accounting for almost 5% of all visitors to Taronga Zoo.

Taronga's brand communication platform 'For the Wild' continued to be evolved throughout the year, and underpinned all external advertising, ensuring a consistent and continued approach to communicating Taronga's vision for a shared future for wildlife and people.

2013/14 also saw Taronga Zoo recognised as Australia's best *Major Tourist Attraction* in the Qantas National Australian Tourism Awards in February 2014. The important contribution that Taronga makes to the leisure market was further enforced when Taronga Western Plains Zoo was recognised as the best national *Tourist Attraction* in the same National Awards.

Taronga Western Plains Zoo

Taronga Western Plains Zoo's marketing continued to build on the prior year's regional NSW media partnerships and highlight the Zoo's success as winner of best *Tourist Attraction* in the 2013 Qantas Australian Tourism Awards.

A partnership with Prime 7 TV featured 30 and 15 second television advertisements as well as online video advertising. Integrated elements included a viewer promotion, website banners, sponsorship of family programming and the dedicated *Zoo Fun* website. Additionally the partnership delivered targeted content through the network's 'Possum Club' children's program.

Development of new advertising materials was undertaken, including the production of a new television commercial to effectively communicate the changed experience brought about by significant investment in the overnight programs. The statement "The Only Zoofari" was developed and used to position the Zoo as a destination offering both day and night safari-style experiences.

Major highlights for the year included the Wild!Rhinos project, which resulted in the creation of a long-term regional sculpture trail named *The Rhino Adventure*, a partnership between the Zoo and local councils of Dubbo, Bathurst, Orange, Cowra and Parkes, a tourism trail designed to entice visitors to explore Inland NSW.

A further focal point of the year was the launch of the new Zoofari Lodge in April by world-renowned actor and comedian Mr John Cleese, with extensive media and communications activity proving very effective in raising awareness and driving bookings for the Zoo's overnight programs. Both the Zoofari Lodge and Billabong Camp enjoyed record attendance numbers for the year.

Taronga Western Plains Zoo generated an outstanding \$7,583,000 worth of media coverage this year.

* Includes All Paid Admissions and Zoo Friends, Paid Education and Overnight Stays.

**Paid and free of charge attendance including function guests at both Zoos and Twilight Concert attendees at Taronga Zoo.

Digital Marketing

Take-up and engagement with digital platforms has grown substantially throughout the year. Facebook supporters have grown by 25% to more than 101,000 fans compared to the prior year with the email database also exceeding the 100,000 subscriber mark during the year. In both instances these audience groups continue to be highly engaged advocates for Taronga.

The website remains a key communication channel with visits increasing by 32% on the prior year to over 2.9 million visits annually.

Throughout the year, work was undertaken to relaunch Taronga's website on a new platform using mobile-first design principles to better serve the 50%+ of visitors that access the site via a smartphone or portable device.

Digital advertising continued to play a crucial role in the overall success of both Taronga Zoo and Taronga Western Plains Zoo with combined spend on search and digital advertising accounting for the significant majority across the overall media mix.

Retail

Taronga Zoo

Over \$1.5 million in revenue was achieved this year, despite a challenging retail environment where priorities have been aligned to sales-driven activity and protection of gross profit.

Working with suppliers, exclusive products have continued to be developed under Taronga's 'Australian made' program which provides a range of reasonably priced plush product.

A Sun Bear plush toy was developed specifically to support Taronga's partnership with TRAFFIC, with all profits going to help support the employment of a TRAFFIC analyst to expose the criminal networks behind wildlife trade in South East Asia. Point of sale material was used to highlight this direct connection between Taronga's retail sales and TRAFFIC conservation partnership.

Supporting the Wild! Rhinos campaign, a ceramic rhino was manufactured featuring Ken Done's design.

Taronga Western Plains Zoo

Taronga Western Plains Zoo retail has seen mixed results throughout the year with overall retail trading down 8.8% on the previous year. It is clear fluctuations in seasonal attendance, particularly in non school holiday periods, have influenced the overall result. Consolidated revenue of \$782,000 has been achieved.

The team worked hard to deliver improvements in stock control, merchandising and introduced new product lines throughout the year.

Catering and Functions

Taronga Zoo

Catering for the zoo did well in a changeable environment, with some outlets temporarily closed. Food operations were supplemented with pop-up food outlets which were able to deliver 80% of the products normally sold through these major outlets.

The Taronga Food Market underwent a significant operational renovation through a "pick and go" operation similar to a grocery store. This new operation has reduced queue times and increased spend per head by \$1 since it reopened in early December 2013.

The View also underwent renovation which saw an expansion of the balcony and an increase in undercover enclosed seating to accommodate 95 undercover and 120 diners including the external balcony and its new extension.

The Fish and Chip shop was renamed The Fish Stop primarily selling MSC Certified sustainable seafood, in line with Taronga's Fish for Good Community Conservation Campaign.

Taronga Western Plains Zoo

Taronga Western Plains Zoo functions over the 2013/14 year have seen continued growth in both weddings and conferences. Consolidated commercial revenue of \$454,000 was slightly below last year's record result by only -0.8%. The Zoo's professional events coordinator attended numerous wedding expos and conferences throughout the year to promote and advertise products and services. Additionally, special packages were reviewed and improved, positioning the function business in good stead for continued growth.

Positively, Taronga Western Plains Zoo has seen an overall increase in per-visitor spend and the catering trading total. Catering trading income (net of costs of goods) for the year was \$842,000, a substantial increase of \$164,000 or 24.2% against last year. This result was achieved by catering for Billabong Camp, active promotion of daily specials and a number of special events offered during the year including Mother's Day Breakfast and Lunch, Valentine's Day Dinner, Father's day lunch, Christmas in July and Dubbo Stampede catering. Catering spend-per visitor this year is \$7.50 compared to \$6.61 last year, an increase of 13.5%.

Inground Commercial Operations

Taronga Zoo

Twilight at Taronga

The 2014 Twilight at Taronga concert series enjoyed its 19th season with more than 28,000 patrons attending 17 concerts held over nine summer weekends, generating a very positive 8% growth on the prior year's attendances. The 2014 series saw a broadening of the musical offering to include such names as The Whitlams, Jimmy Barnes and international act Fat Freddy's Drop in addition to traditional favourites such as Bjorn Again and James Morrison, introducing a new audience to one of Sydney's most spectacular music festivals. Picnic hampers purchased in advance from *Taronga's Piazza inspired by Giovanni Pulu* proved a popular item for the concerts.



Animal Encounters

The Animal Encounters program at Taronga Zoo enhances the visitor experience whilst providing additional revenue to Taronga. With the introduction of the new penguin encounter this year, over 22,000 animal encounter experiences were delivered achieving a record contribution of \$253,000, a 45% increase over last year.

Taronga Western Plains Zoo Overnight Programs

The opening of the redeveloped Zoofari Lodge occurred on 31 March 2014. Zoofari Lodge has been transformed by a \$2.5 million redevelopment with the addition of 10 luxury safari tents adjacent to the African Savannah. A strong revenue return has again been achieved for Zoofari Lodge, despite extensive construction and operational interruption throughout the year, with 8,639 visitors experiencing the multi-award winning Zoofari experience which was 4.2% more than the previous year. Consolidated revenue was \$1,955,000 which is a 5.2% increase from the previous year. Zoofari Lodge was awarded a Trip Advisor award for excellence for 2014.

After a full year of trading, Billabong Camp is showing some exceptional results for this unique and world-class experience. A total of 5,380 visitors experienced this program during 2013/14, which is a massive 92% increase from the previous year. Consolidated commercial revenue was \$757,000 which is a 64.8% increase from the previous year.

Taronga Foundation

The Taronga Foundation achieved another successful year, raising funds from corporate partners, trusts and foundations and individuals all supporting our commitment to a shared future for wildlife and people. Funds raised through the Foundation over the past 13 years have enabled the expansion of the support of in-situ conservation partnerships; field conservation grants program, education and research projects as well as supporting major redevelopments at both zoos ensuring high standards of animal care and improving visitor experience and enjoyment.

Taronga Foundation Executive Patrons:

Mr Maurice L Newman AC (Chair)
Mr Nigel Adams
Mr Guy Cooper PSM
Mr Barry Goldman
Mr Angus Hawley
Ms Lisa Ho
Ms Terry Kaljo
Mr Thomas O'Donnell
Ms Gretel Packer
Mr Harold Shapiro
Ms Deborah Thomas
Mrs Nikki Warburton

Taronga Foundation Patrons:

Mr John Armati AM
Mr Frank Brennan
Mr John Cleese
Ms Collette Dinnigan
Mr Bradley Trevor Greive
Mr Justin Hemmes
Mr Graham Humphrey
Mrs Sandra Humphrey
Mrs Skye Leckie
Mr Justin Miller
Mr Richard Morecroft
Mrs Rebel Penfold-Russell OAM
Mr PJ Shanmugan
Mr Peter Young AM

The Taronga Foundation Chairman's Report

This financial year the Foundation raised a net total of \$6.3 million bringing the total raised over the last 13 years to an impressive \$67million.

The Foundation's annual fundraising activity included our annual events, Zoofari, Taronga dinner and New Year's Eve at Taronga, raising some \$814,000. Other highlights included a supporter evening with John Cleese and breakfast with Jane Goodall along with the Taronga Wild!Rhinos community art program.

I would like to thank our Patrons for their continued support and advocacy again this year. I would like to welcome Mr Barry Goldman, Ms Terry Kaljo, Mr Thomas O'Donnell, Mr Harold Shapiro and Mrs Nikki Warburton, joining Taronga as Executive Patrons, and Mr PJ Shanmugan joining as a Patron.

I would particularly like to thank Ms Terry Kaljo for chairing the Zoofari fundraising committee, Mr Nigel Adams for support and advice on Estate matters and Ms Gretel Packer for supporting the Taronga Conservation Science Initiatives.

I would also like to thank our corporate partners, donors, and of course, Taronga Director Mr Cameron Kerr, the Chairman, Board members and dedicated staff at Taronga Zoo and Taronga Western Plains Zoo. Thank you all for encouraging and supporting our fundraising endeavours.

Maurice Newman AC
Chairman
Taronga Foundation

Taronga Foundation events

The Foundation's two major annual fundraising events raised \$719,000. The Zoofari 2013 was themed 'Cherish our Chimps' and was a huge success. A Raffle, silent and live auctions along with the lucky key and generous pledging, all helped to raise funds for Taronga's Chimpanzee breeding and conservation programs.

June 2014 saw the most successful Taronga dinner to date held at the Ivy raising funds for Taronga's elephant breeding and conservation program. Mr Adam Spencer was the MC for the evening.

New Year's Eve at Taronga was once again a resounding success, with over 2,500 guests enjoying the entertainment and incredible views of the harbour. Tickets for the event sold out well before the event.

Mr John Cleese, a long standing Taronga Foundation Patron, hosted an intimate dinner, 'Lemur Lovers and Linguine', at Taronga Zoo in March, and fifty of Taronga's supporters attended a wonderful evening.

Ms Jane Goodall visited Taronga Zoo in May and hosted a supporter brunch where she shared stories about the work of the Jane Goodall Institute and the conservation partnership with Taronga supporting the Tchimpounga Sanctuary in the Republic of Congo.

Taronga Wild!Rhinos

Taronga Wild!Rhinos was an exciting community arts event that brought businesses, artists and schools together to create a spectacular world-class sculpture trail through the streets, parks and public spaces of Sydney, Dubbo and surrounds from 2nd February – 28th April 2014.

A huge herd of 125 wildly colourful life-sized rhino sculptures all adorned with one-off designs by renowned contemporary and urban artists as well as primary school students, charged into town as part of a mass public art exhibition to help raise awareness. At the end of the trail the rhino sculptures were auctioned raising valuable funds for Taronga's world leading Black Rhino breeding program and in-situ conservation projects.

The project raised over \$1,000,000 delivering a net income of over \$440,000. Contra support was valued at over \$2.2 million and more than \$2.4 million

of media coverage was achieved. However, more than just the funds raised, the success of the project lies in the engagement of communities across Australia and a legacy in regional NSW that will live on.

Major gifts and bequests

Thanks to a number of generous supporters leaving gifts in their Wills, bequest income reached over \$2 million.

Gifts from donors provided \$927,575 for a range of projects both in Australia and for in-situ projects overseas. This includes support for Taronga Conservation Science Initiatives, which funds projects such as Amphibian IVF, tracking hotspots for marine predators, freezing the coral reef, preventing marine mammal entanglement and helping frogs fight a deadly fungus.

We would like to acknowledge the following generous supporters who donated \$10,000 or more this financial year.

Beswick Family Fund
Mr Len Bleasel AM and Mrs Valerie Bleasel
Caledonia Foundation
Dalwood-Wylie Charitable Foundation
The Denton Family
Koko Dowe
The Fox Arnold Family
The Gallagher Family
Girl Guides Association (NSW)
Mr Peter Hall AM
Henry Pollack Foundation
Hill Family Conservation Foundation
Mrs Jessica Hore
The Lin Huddleston Charitable Foundation
The Maple-Brown Family Charitable Foundation
Ms Martin-Weber
Ms Helen Molesworth
Mrs Jeanette Newman
Ms Janette O'Neil
Mrs Roslyn Packer AO
Ms Gretel Packer
The Paradise Family Foundation
Mrs Rebel Penfold-Russell OAM
Ms Janis Salisbury
Skipper-Jacobs Charitable Trust
Mrs Joyce Sproat
Miss R Welsh
Ms Sarah Whyte
Mr Kurt Wilkinson
Wilson HTM Investment Group

The Taronga Foundation would also like to acknowledge the following Friends of the Future (funds received from estates 2013/14)

The Estate of The Late Ms Gweneth Allsop
The Estate of The Late Ms Jessie Briggs
The Estate of The Late Jacqueline Crookston
The Estate of The Late Ms Marjorie Gowans
The Estate of The Late Mrs Pam Hindes
The Estate of The Late Ms Gladys Hey
The Estate of The Late Ms Marjorie Jenkins
The Estate of The Late Ms Lorelle Mills
The Estate of The Late Mr Wallace Newlyn
The Estate of The Late Mr Charles Nightingale
The Estate of The Late Mrs Betty Pelton
The Estate of The Late Ms Alison Stallwood
The Estate of The Late Ms Joan Viner

Direct Marketing

The Christmas appeal focused on Taronga's elephant breeding and conservation programs. The end of year tax appeal focused on the Sumatran Tiger, including the zoo breeding program and conservation endeavours in Sumatra. This year's appeals have raised \$626,170.

The regular giving program, the Taronga Wildlife Defender continues to grow, acquiring new supporters through face-to-face, telemarketing and direct mail programs, with supporters generously donating over \$246,000 this year.

Zoo Parent

Zoo Parents have generously contributed an income of \$456,726 during the year. A range of monthly promotions continues to support the stability of this program.

Corporate Partnerships

The Foundation has achieved a great level of corporate support with revenue of \$4.4 million received in cash and contra support.

Taronga secured over \$2.8 million in cash sponsorships this year. The ability to maintain this level of sponsorships given the ongoing economic conditions and competitive sponsorship market is significant. Additionally, activity in the fields of essential contra and project support reached a total of \$1.6 million in equivalent value of contributions towards operations of Taronga and the Foundation.

The success of the program is due to the valued support of its long-term partners in a range of different ways. Principle partners include ANZ, Fairfax, QBE, Streets and Woolworths that continue to work with Taronga to generate value for both organisations.

The Taronga Foundation is grateful for the support of all of its following partners:

Taronga Zoo and Taronga Western Plains Zoos' Partners in Conservation

Sponsorship supports The Taronga Foundation's contribution to conservation

Principal Sponsors



Crown Sponsors



Presidential Sponsors



Primary Sponsors

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Zoetis



OUR PEOPLE & ORGANISATIONAL EFFECTIVENESS

‘Beads for Wildlife’
provides alternative
incomes for communities
in Kenya.

THE ALIGNMENT OF PEOPLE AND PROCESSES WITH STRATEGY AND VALUES.



Taronga won an excellence award for volunteer management, and enjoyed a 'Thank You' lunch.



Joint winner of the Australian Business Award for Environmental Sustainability.



YATZ students planting trees for Regent Honeyeater habitat.

Key achievements

- Taronga was a joint winner of the Australian Business Award for Environmental Sustainability in October 2013. The Award recognises organisations that demonstrate leadership and commitment to the protection of the environment.
- In the NSW Volunteer of the Year Award, Taronga won the award for 'Excellence in Not for Profit Volunteer Management 2013'. The Volunteer of the Year Awards had over 4,000 nominations.
- Taronga was awarded the level of Silver Partner under the NSW Government OEH Sustainability Advantage Program.
- 12 Staff from Taronga and Taronga Western Plains Zoos were supported by the Zoo Friends membership program to attend and present papers at the Australasian Zoo and Aquarium Association conference.
- \$100k in state funding was received to develop and deliver Customer Service training to 251 employees across both Taronga Zoo and Taronga Western Plains Zoo.
- Taronga implemented a multi-tiered strategy in Preventing and Responding to Workplace Bullying including working closely with the Public Service Commission and the Anti-Discrimination Board.
- E-Learning modules were successfully rolled out across both sites in Work, Health and Safety (WHS), Pollution Incident Management and Bullying in the Workplace.
- Incident reporting significantly increased in 2013 enabling Taronga to implement effective corrective actions to prevent incidents recurring. WHS continued to be a high focus with the senior management and leadership teams to further prevent incidents. Taronga has not had any reportable injuries to WorkCover in the last financial year, or received any provisional improvement notices.
- Injury management processes have significantly improved enabling swift return to work for our valued zoo workers which has resulted in a lowered lost time injury frequency rate of 13.04.
- Taronga was an approved employer and received funding to participate in the federal government program "Investing in Experience" to strengthen age-management practices in the workplace.

Performance indicators

	2012/13	2013/14
Severity Rate Lost time injury frequency / workplace accidents for both zoos	13.58	13.04
Staff Turnover		
Taronga Zoo	3.0%	3.40%
Taronga Western Plains Zoo	2.7%	2.20%

Volunteer Programs

This year saw volunteer programs focus on improving efficiency and effectiveness of the current volunteer programs as well as creating innovative new approaches to support the zoos' vision.

Taronga Volunteer programs were declared the winners of the NSW Excellence in Not For Profit Volunteer Management award 2013. Vying with other volunteer organisations from across NSW, the award was given in recognition of Taronga's excellence in recruitment practices, use and roles of volunteers, induction and training, recognition and thanks, as well as innovative approach to involving and managing volunteers and compliance with the national standards for volunteering.

The new Lemur Forrest Adventure saw the creation of 35 'Lemur Champion' volunteers. These volunteers were trained on specific lemur information, the exhibit features and engaging children in play. Over the following six months this highly skilled group trained the remaining 210 visitor services volunteers and provided valuable feedback to staff on the operation of the exhibit in the first six months of operation.

Taronga Zoo implemented Volgistics, a new online database for volunteer records, allowing better scheduling and management of volunteer records.

A group of 15 specially selected youth volunteers were trained and have now joined the adult Visitor Services volunteer team. This not only diversifies the visitor services team, but also allows YATZ a pathway to continue their involvement at Taronga once their Youth Volunteering comes to an end.

A group of new behavioural observation volunteers were embedded within the Carnivore and Primate teams. This innovative approach allows Behavioural Science volunteer groups to renew their research focus and has given the keeper teams valuable assistance in monitoring animal welfare.

Taronga welcomed 80 new volunteers in life sciences, 10 in visitor services, numerous new administrative volunteers as well as volunteers taking up newly created roles in research as a result of our new short-term project focused volunteer strategy.

To ensure continuous improvement a survey of all visitor services volunteers was undertaken, identifying improvements in key satisfaction areas since the 2010 survey. This was followed by a workshop

with key staff and volunteers. As a result the quarterly newsletter 'Cooee' was reinvigorated, volunteers were given online access to key documents via 'pbworks' and a new assessment strategy was implemented.

110 volunteer tour guides were coached and assessed by staff.

60 Visitor Service volunteers were trained and assessed to deliver the Big Cat Trail guided walk.

Volunteer Statistics

Taronga Zoo	
Visitor Services volunteers	241
Life Sciences volunteers (including observations)	161
Behavioural Science volunteers	16
People & Learning Administration	19
Marketing, Fundraising & Commercial Administration	5
Other	66
Youth Volunteers	347
Subtotal	870
Taronga Western Plains Zoo	
Visitor Services Volunteers	75
Youth Volunteers	47
Subtotal	122
Overall total active volunteers	992

Human Resources

Learning and development was a key focus for Human Resources with the delivery of a number of important development programs including:

- Leadership Development Embedding sessions for 35 leaders to ensure skills learnt in 2012/13 were translated for practical use in the workplace;
- Train the Trainer for Human Resources and other Education professionals to deliver a Supervisor Development Program in 2014/15;
- Preventing and Responding to Workplace Bullying e-Learning and face to face training for Managers and Supervisors;
- Bullying in the Workplace e-Learning program for all employees with a revised online publication of the Taronga Code of Conduct;

- Pollution Incident Management in the Workplace e-Learning for staff at Taronga Zoo, and
- Enrollment of 50 employees in certified Project Management courses, including modules on Stakeholder Engagement.

The Human Resources team enjoyed the challenge of writing their own e-Learning programs and managing a complex learning management system to deliver and administer training for staff. The ability to use technology to enhance face-to-face learning, refresh skills previously taught, and disseminate policy and procedural reminders as necessary, has been both efficient and effective. Feedback from all staff is that e-Learning is a valuable tool, particularly allowing training to be accessed at any time which is important for an organization that operates 24 hours per day, 7 days per week.

A strong commitment to the Taronga Code of Conduct was maintained through revising the policy, and engaging in a multi-tiered strategy, 'Preventing and Responding to Workplace Bullying' which included working closely with the Public Service Commission and the Anti Discrimination Board.

In consideration of changing workforce demographics and the length of service of many Taronga employees, Human Resources sought funding from the federal government program "Investing in Experience" to further strengthen age-management practices at Taronga, including mentoring opportunities and transitions to retirement.

In 2013/14, 12 employees were supported in their professional development by the Zoo Friends and Conservation Fellowship Program, enabling them to participate in diverse local and international work experience and research programs.

Staff Recognition

The annual 'Silver Shovels' awards were held in September 2013 to recognise outstanding staff achievements in categories including animal management, breeding, exhibit design, innovation and conservation and environment initiatives. A diverse range of achievements and staff were acknowledged on the night. Tina Watkins, Assistant Operations Manager, who won the Director's Award for Taronga Zoo in recognition of her tireless responses to the needs of the organisation, her work in ensuring that the grounds are always well presented and her implementation of changes

to help ensure staff stay true to their vision. Benn Bryant, Senior Veterinarian, received the Director's Award for Taronga Western Plains Zoo for his work to support in situ conservation programs including the Sumatran Rhino Sanctuary, as well as his continued support of Taronga's White Rhinoceros group which last year welcomed the birth of a calf.

Staff were also recognised on a quarterly basis for initiatives and behaviours that reflect Taronga's values.

In November, long serving employees were honoured at ceremonies held at Taronga and Taronga Western Plains Zoos, including 5 inductees who were welcomed into the prestigious '20 Year Club'.

Equal Employment Opportunity

Taronga remains committed to the promotion of Equal Employment Opportunity and actively sought to engage with the following initiatives in 2013/14:

- Recruitment of four Aboriginal Education and Discovery Officers to deliver new programs for Taronga and the community, as well as visitor experiences, consistent with Taronga's Aboriginal Employment Achievement Strategy;
- Increased representation of women in the Senior Officer classification, and Leadership Team positions;
- Communication and consultation with employees prior to their return from parental leave and due consideration to any request for flexible work arrangements outside of the parental leave period;
- Active promotion of the Employee Assistance Program (EAP) including distributing materials for toolbox talks and enabling employees to access the service during work hours;
- Commitment to a workplace free of harassment and discrimination by confirming expectations with all staff through a revised Code of Conduct, training managers and supervisors in preventing and responding to workplace bullying, and partnering with the Anti Discrimination Board, and
- Strengthening age-management practices in the workplace through mentoring and transition to retirement by engaging in the federal government "Investing in Experience" program.

Taronga's Reconciliation Action Plan (RAP), launched in 2012 to drive improved opportunities for Aboriginal and Torres Strait Islander peoples, has gone from strength to strength, to the extent that Taronga committed to a "stretch RAP" in 2014/15 with a focus on longer-term strategies and working towards defined targets and goals.

Taronga remains committed to the Disability Action Plan developed in 2011 and continues to actively work towards ensuring staffing and development objectives are accessible to all individuals.

Through its partnerships with the Employee Assistance Program and the Anti-Discrimination Board, and its own internal policies and processes, Taronga promotes a workplace free from all forms of discrimination.

Accessibility for Taronga staff, students and visitors, has been a priority and is actively considered in all capital works projects, and feedback is invited regularly on our current facilities and their maintenance. Provisions made include:

- Accessible walkways as alternatives to heritage outdoor stairways;
- Staff wheelchair facilities;
- Public disabled amenities;
- Staff disabled amenities, and
- Modified equipment and golf carts.

The recent review of Taronga's emergency procedures also had significant consideration of staff and visitors with disabilities and the delivery of appropriate warden training.

Taronga's recruitment methods also utilize a variety of assessment tools to ensure a fair and unbiased merit selection process, with additional support provided upon request, such as scribes for written assessments and modified equipment for practical activities.

Legal Changes

During the 2013/14 year, there were no changes to the *Zoological Parks Board of Act 1973* or the *Zoological Parks Board Regulation 2009*. There are no other acts or regulations administered by the Taronga Conservation Society Australia.

In February 2014, the *Government Sector Employment (GSE) Act 2013* took effect, replacing the *Public Sector Employment and Management Act 2002*.

The GSE Act is part of a strategy to modernise the NSW public sector, and provides a new and streamlined statutory

framework for NSW Government sector employment and workforce management. The Act's key reform areas include a restructure of the government sector and its executive, and the employment arrangements and management practices that apply to both executive and non-executive employees.

Work Health and Safety Workers Compensation and Injury Management

Taronga's priority is the commitment to deliver a program of works in the safest possible way. The 2013 Safety Charter was released and communicated to workers across both zoos. TarongaSAFE is a systematic work health and safety management system, designed to support the strategic objective of providing a safe and healthy workplace for staff and volunteers, and safe sites for visitors. It includes provisions for early and effective injury management, recognising that rehabilitating at work is the best outcome for the worker.

The co-ordination and management of safety strategies and initiatives is led by the Senior Management Team who report directly to TCSA Board of Directors. The Taronga WHS Committees are consulted on new initiatives and changes to WHS within the organisation. This consultative approach is embraced by workers, creating an effective holistic approach to work health and safety at Taronga and Taronga Western Plains Zoos.

Initiatives

In 2013-14 measures were taken to streamline and integrate health and safety within both zoos. This included the drive to increase incident reporting with the aim of further understanding risks and to implement effective corrective actions to prevent injury to the zoos' people. Although incident reporting increased by 65% over the last year, corrective actions for 98% of these incidents were successfully implemented, resulting in zero repeat incidents.

Occupational worksite assessments of the high risk manual handling tasks were undertaken this year. Occupational therapists assessed work practices and postures, providing staff with functional education and recommendations for further strategies to support completion of work duties and to minimise the risk of workplace-related injuries.

The Take5 program was well embedded into Taronga’s safety culture. Before the start of a shift or a change in a process, workers ‘Take 5 minutes’ to brief each other on the hazards identified and the risk mitigations involved. By undertaking this safety talk, workers had a shared understanding and were able to exercise their duty of care to maintain their own safety.

Inductions for employees continued as well as safety inductions for volunteers and students. Each volunteer and student undergoes a comprehensive induction with an emphasis on safety. They learn about the WHS policies and procedures and undergo manual handling training as well as emergency procedures training to prepare them for work. When they are allocated to their work area, they undergo a more detailed induction training highlighting the hazards and processes within each section.

Emergency procedures are regularly reviewed as part of the zoos’ continuous improvement plans. This year an additional 42 emergency wardens were trained and emergency drills continued to identify any gaps in processes. The emergency procedures manual is undergoing a major review in line with the AS3745 standards and best practice within animal management.

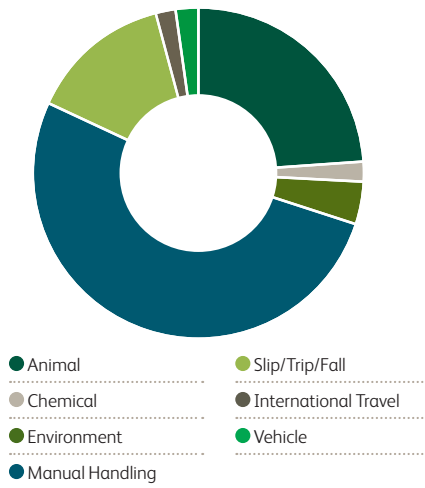
Statistics

There were no occupational diseases, fatalities or significant injuries in either Taronga’s workforce or its contractor workforce. There were 201 reported incidents, up 73 from the previous year due to the focus on increased reporting. The 40 injuries incurred this year resulted in 12 lost time injuries, up from ten in the previous year.

The Lost Time Injury Frequency Rate (LTIFR) of 13.04 meant the target of 11.31 was missed. While this is a disappointing result, positive trends in other supporting measures need to be considered as part of the overall picture of Taronga’s performance.

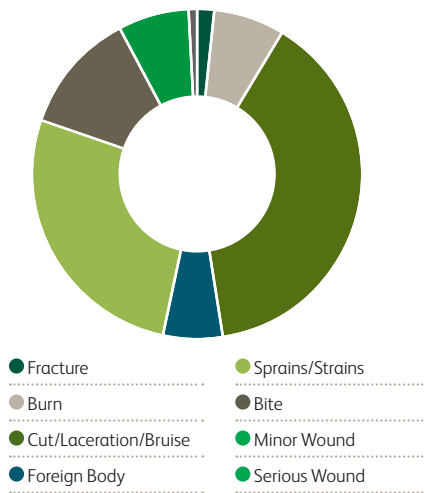
In the last four months of the financial year there was no lost time injury which is a record low achievement for Taronga. The average closure rate for a worker’s compensation claim is two weeks, which shows the effectiveness of our injury management processes, coupled with our return to work rehabilitation program.

Causes of employee injuries



52% of injuries were caused by manual handling tasks.

Injury Types



Cuts/lacerations/bruises and sprains/strains were the most common types of injuries sustained by employees.

Health and Wellbeing

Taronga’s procedures and systems support employees to take personal responsibility for their wellbeing outside of work and within work practices. TarongaSAFE highlights the commitment to providing a fair and equitable injury and claims management process. This includes exploring suitable duties and developing return-to-work plans in consultation with injured employees, and in accordance with the medical advice of their treating practitioner and rehabilitation provider. All employees who sustain either a work or non-work related injury/illness and who return to work on suitable duties have a return-to-work

plan managed for them to ensure a safe and effective rehabilitation back to their pre-injury duties. An effective alliance between managers, human resources and the work health and safety team has resulted in zero psychological injuries for our workers.

Risk Management

Taronga operates in a challenging environment with competition from a range of enterprises and raises approximately 75% of operating revenue from its own sources.

Major risks relating to income generation and expenditure control include poor weather, increases in commercial competition, unplanned increases in labour costs, tightness of the economy and changes in the provision of funding from the public and private sources.

Taronga’s Risk Management Plan includes monthly review of income and expenditure levels whereby appropriate corrective action is taken as required. It also includes market-testing different service providers to improve on cost and delivery, undertaking capital redevelopment programs at both Zoos and investigating potential new revenue generating product initiatives. Taronga is also insured against loss in key areas of its operations and assets including public liability, property and fidelity guarantee.

Other risks that may affect Taronga’s viability include regulatory risks regarding animal treatment and quarantine, and animal health risks. Both categories of risk are addressed in Taronga’s risk management plan which is reviewed and approved annually by the Audit and Risk Committee and the Taronga Board. The Audit and Risk Committee also meets regularly to review the internal audit process.


Taronga has established a Disaster Recovery Plan in accordance with the NSW Treasurer’s direction.





ACTING *for* THE WILD

OVER 950 FERTILE SOUTHERN CORROBOREE FROG EGGS WERE PRODUCED THROUGH TARONGA ZOO'S CONSERVATION BREEDING PROGRAM AND RELEASED INTO CHYTRID DISEASE-FREE ENCLOSURES IN KOSCIUSZKO NATIONAL PARK, AND ARTIFICIAL POOLS IN ALPINE EUCALYPT FOREST AS PART OF A NEW STRATEGY TO ESTABLISH POPULATIONS IN HABITAT WITH LOW DISEASE INCIDENCE.

Two frogs with bright yellow bodies and bold black vertical stripes are shown on a white, slightly textured surface. One frog is positioned in the upper left, facing towards the top right. The second frog is in the lower right, facing towards the bottom right. The lighting is soft, highlighting the glossy texture of the frogs' skin.

An additional 150 juvenile frogs were released into specialist enclosures in Kosciuszko as a new rearing strategy.

GLOSSARY

ABIN: Australian Biosecurity Intelligence Network	JGI: Jane Goodall Institute
AC: Companion of the Order of Australia	JP: Justice of the Peace
AFAIM: Associate Fellow of the Australian Institute of Management	KFWP: Kibale Fuel Wood Project
AFIN: Associate of the Financial Services Institute of Australia	KPI: Key Performance Indicator
AIMS: Australian Institute of Marine Science	MACVSc: Member of the Australian College of Veterinary Science
AM: Member of the Order of Australia	MBA: Master of Business Administration
AMMRC: Australian Marine Mammal Research Centre	MFIA: Member of Fundraising Institute of Australia
AO: Officer of the Order of Australia	MICE: Member of the Institution of Civil Engineers
AQIS: Australian Quarantine and Inspection Service	MIE: Member of the Institution of Engineers Australia
ARC: Australian Research Council	MOU: Memorandum of Understanding
ARKS: Animal Record Keeping System	MPM: Master Project Manager
ARWH: Australian Registry of Wildlife Health	MRCVSc: Member Royal College Veterinary Surgeons
ASAF: Australian Shark Attack File	MSC: Marine Stewardship Council
ASMP: Australasian Species Management Program	NAIDOC: National Aboriginal and Islander Day Observance Committee
ASZK: Australasian Society of Zoo Keepers	NESB: Non-English Speaking Background
ATE: Australian Tourism Exchange	NPWS: National Parks and Wildlife Service
AWHN: Australian Wildlife Health Network	NRT: Northern Rangelands Trust
B2B: Backyard to Bush	NSW: New South Wales
BioSIRT: Biosecurity, Surveillance, Incident Response and Tracing	OEH: (NSW) Office of Environment and Heritage
BSU: Behavioural Science Unit	PR: Public Relations
CA: Chartered Accountants	QAP: Quarantine Approved Premises
CBSG: Conservation Breeding Specialist Group	QC: Queen’s Counsel
CCTV: Closed Circuit Television	RAP: Reconciliation Action Plan
CEO: Chief Executive Officer	RFD: Reserve Force Decoration
CES: Chief Executive Service	RSPCA: Royal Society for the Prevention of Cruelty to Animals
CITES: Convention for the International Trade in Endangered Species	SAG: Specialist Advisory Group
CMP: Captive Management Plan	SAP: Systems Analysis and Program Development
CPEng: Chartered Professional Engineer (Australia)	SES: Senior Executive Service
CSIRO: Commonwealth Scientific and Industrial Research Organisation	SF Fin: Senior Fellow of the Financial Services Institute
CWIO: Capital Works, Infrastructure and Operations	TAFE: Technical and Further Education
DAP: Disability Action Plan	TAG: Taxon Advisory Group
DEC: Department of Education and Communities	TB: Tuberculosis
DoCS: NSW Department of Community Services	TCSA: Taronga Conservation Society Australia
EEO: Equal Employment Opportunity	TTI: Taronga Training Institute
FACVSc: Fellow of the Australian College of Veterinary Science	TWH: Taronga Wildlife Hospital
FAICD: Fellow of the Australian Institute of Company Directors	TWPWH: Taronga Western Plains Wildlife Hospital
FAIM: Fellow of the Australian Institute of Management	TWPZ: Taronga Western Plains Zoo
FCA: Fellow of Chartered Accountants	TZ: Taronga Zoo
FCPA: Fellow of Certified Practising Accountants Australia	UNSW: University of NSW
GMQ: Graduate Management Qualification	USYD: University of Sydney
GOHR: Greater One-horned Rhinoceros	WAZA: World Association of Zoos and Aquariums
GSO: Great Southern Oceans	WELL: Workplace, English Language and Literacy
GST: Goods and Services Tax	WIRES: NSW Wildlife Information and Rescue Service
IMOS: Integrated Marine Observing System	WRAPP: Waste Reduction and Purchasing Policy
IRF: International Rhinoceros Foundation	YATZ: Youth At The Zoo
ISIS: International Species Information System	ZAA: Zoo and Aquarium Association (formerly known as Australian Regional Association of Zoological Parks and Aquaria – ARAZPA)
IUCN: International Union for the Conservation of Nature	ZIMS: Zoological Information Management System
IVF: In Vitro Fertilisation	
IZWR/IZW: Institute for Zoo and Wildlife Research, Berlin	

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STATUTORY FINANCIAL STATEMENTS -TARONGA



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TARONGA CONSERVATION SOCIETY AUSTRALIA (TARONGA)
FINANCIAL STATEMENTS AND NOTES
FOR THE YEAR ENDED 30 June 2014

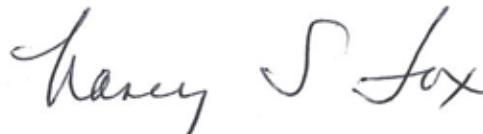
Statement

Pursuant to section 41C of the *Public Finance and Audit Act 1983* and in accordance with a resolution of Taronga, we being members of the Board state that:

- a) in our opinion the financial statements and notes thereon exhibit a true and fair view of the financial position and transactions of Taronga for the year ended 30 June 2014;
- b) the financial statements have been prepared in accordance with authoritative pronouncements of the Australian Accounting Standards Board which include Australian equivalents to International Accounting Standards and the requirements of the *Public Finance and Audit Act 1983* and *Public Finance and Audit Regulation 2010*;
- c) we are not aware of any circumstances which would render any particulars included in the financial statements to be misleading or inaccurate; and
- d) we are of the opinion that there are reasonable grounds to believe that the organisation will be able to pay its debts as and when they fall due.



Chairman of the Board



Member of the Board



INDEPENDENT AUDITOR'S REPORT

Taronga Conservation Society Australia

To Members of the New South Wales Parliament

I have audited the accompanying financial statements of Taronga Conservation Society Australia (Taronga), which comprise the statement of financial position as at 30 June 2014, the income statement, the statement of comprehensive income, statement of changes in equity and statement of cash flows, for the year then ended, notes comprising a summary of significant accounting policies and other explanatory information.

Opinion

In my opinion, the financial statements:

- give a true and fair view of the financial position of the Taronga as at 30 June 2014, and of its financial performance and its cash flows for the year then ended in accordance with Australian Accounting Standards
- are in accordance with section 41B of the *Public Finance and Audit Act 1983* (the PF&A Act) and the Public Finance and Audit Regulation 2010.

My opinion should be read in conjunction with the rest of this report.

The Board's Responsibility for the Financial Statements

The members of the Board are responsible for the preparation of the financial statements that give a true and fair view in accordance with Australian Accounting Standards and the PF&A Act, and for such internal control as the members of the Board determine is necessary to enable the preparation of financial statements that give a true and fair view and that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

My responsibility is to express an opinion on the financial statements based on my audit. I conducted my audit in accordance with Australian Auditing Standards. Those Standards require that I comply with relevant ethical requirements relating to audit engagements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgement, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation of the financial statements that give a true and fair view in order to design audit procedures appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by the members of the Board, as well as evaluating the overall presentation of the financial statements.

I believe the audit evidence I have obtained is sufficient and appropriate to provide a basis for my audit opinion.

My opinion does *not* provide assurance:

- about the future viability of Taronga
- that it has carried out its activities effectively, efficiently and economically
- about the effectiveness of its internal control
- about the security and controls over the electronic publication of the audited financial statements on any website where they may be presented
- about other information which may have been hyperlinked to/from the financial statements.

Independence

In conducting my audit, I have complied with the independence requirements of the Australian Auditing Standards and other relevant ethical pronouncements. The PF&A Act further promotes independence by:

- providing that only Parliament, and not the executive government, can remove an Auditor-General
- mandating the Auditor-General as auditor of public sector agencies, but precluding the provision of non-audit services, thus ensuring the Auditor-General and the Audit Office of New South Wales are not compromised in their roles by the possibility of losing clients or income.



Karen Taylor
Director, Financial Audit Services

22 September 2014
SYDNEY

INCOME STATEMENT FOR THE YEAR ENDED 30 JUNE 2014

	Notes	2014 \$'000	2013 \$'000
Revenue			
Admissions		35,002	34,273
Trading and Franchise Revenue	2	11,743	11,177
Corporate Sponsorship		3,863	2,926
Government Grants	3	14,918	16,548
Investment Revenue	4	2,013	2,065
Donations and Bequests		4,084	2,442
Other Income	5	18,301	16,776
Gain/(Loss) on Sale of Assets	6	(27)	247
Total Revenue		89,896	86,453
Expenses			
Personnel Services	7(a)	43,362	37,421
Trading Cost of Sales	2	3,394	3,310
Marketing Expenses	7(b)	2,987	3,477
Depreciation and Amortisation	7(c)	18,449	17,371
Insurance		463	421
Maintenance	7(d)	6,226	5,677
Finance Costs	7(e)	1,080	1,073
Other Expenses	8	16,729	14,645
Total Expenditure		92,689	83,395
SURPLUS/(DEFICIT) FOR THE YEAR		(2,794)	3,059

The accompanying notes form part of these Financial Statements.

STATEMENT OF COMPREHENSIVE INCOME FOR THE YEAR ENDED 30 JUNE 2014

	Notes	2014 \$'000	2013 \$'000
Surplus/(Deficit) for the year		(2,794)	3,059
Other comprehensive income:			
<i>Items that will not be reclassified to net result</i>			
Net increase/(decrease) in property, plant and equipment revaluation surplus	24	55,565	6,229
<i>Items that may be reclassified subsequently to net result</i>			
Available for sale financial assets			
-Valuation gains/(losses)	24	233	(13)
-Transferred to net result on disposal	24	42	125
Other comprehensive income for the year		55,841	6,341
Total comprehensive income for the year	24	53,047	9,399

The accompanying notes form part of these Financial Statements.

STATEMENT OF FINANCIAL POSITION
AS AT 30 JUNE 2014

	Notes	2014 \$'000	2013 \$'000	1 July 2012* \$'000
ASSETS				
Current Assets				
Cash and Cash Equivalents	23 (a)	51,965	50,543	41,738
Trade and Other Receivables	11	3,010	2,857	2,615
Inventories	12	1,286	1,230	1,269
Available-for-sale financial assets	13	2,176	2,086	3,804
Total Current Assets		58,438	56,716	49,425
Non-Current Assets				
Property, Plant and Equipment	14	426,900	375,332	375,612
Intangible Assets	15	161	181	242
Total Non-Current Assets		427,061	375,513	375,853
Total Assets		485,498	432,230	425,278
LIABILITIES				
Current Liabilities				
Trade and Other Payables	16, 1(y)	19,216	18,916	22,076
Other Liabilities	17	1,597	1,787	1,179
Borrowings	18	4,998	-	-
Total Current Liabilities		25,810	20,703	23,255
Non-Current Liabilities				
Borrowings	18	11,648	16,535	16,431
Total Non-Current Liabilities		11,648	16,535	16,431
Total Liabilities		37,459	37,238	39,686
Net Assets		448,039	394,992	385,593
Equity				
Reserves	24	248,660	192,819	186,478
Accumulated Funds	24, 1(y)	199,380	202,173	199,115
Total Equity		448,039	394,992	385,593

The accompanying notes form part of these Financial Statements.

*This information is required as AASB 119 has been applied retrospectively

STATEMENT OF CHANGES IN EQUITY FOR THE YEAR ENDED 30 JUNE 2014

	Accumulated Funds \$'000	Reserves \$'000	Total \$'000
Balance at 1 July 2013	202,917	192,819	395,736
Changes in accounting policy	(744)	-	(744)
Restated total equity at 1 July 2013	202,173	192,819	394,992
Surplus/(Deficit) for the year	(2,794)	-	(2,794)
Other comprehensive income:			
Gain on revaluation of land, buildings and infrastructure	-	55,565	55,565
Gain on revaluation of available-for-sale financial assets	-	233	233
Transferred realised losses	-	42	42
Total other comprehensive income		55,841	55,841
Total comprehensive income for the year	(2,794)	55,841	53,047
Balance at 30 June 2014	199,380	248,660	448,039

	Accumulated Funds \$'000	Reserves \$'000	Total \$'000
Balance at 1 July 2012	200,309	186,478	386,787
Changes in accounting policy	(1,194)	-	(1,194)
Restated total equity at 1 July 2012	199,115	186,478	385,593
Surplus/(Deficit) for the year	3,059	-	3,059
Other comprehensive income:			
Gain on revaluation of land, buildings and infrastructure	-	6,229	6,229
Loss on revaluation of available-for-sale financial assets	-	(13)	(13)
Transferred realised losses	-	125	125
Total other comprehensive income	-	6,341	6,341
Total comprehensive income for the year	3,059	6,341	9,399
Balance at 30 June 2013	202,173	192,819	394,992

The accompanying notes form part of these Financial Statements.

STATEMENT OF CASH FLOWS
FOR THE YEAR ENDED 30 JUNE 2014

	Notes	2014 \$'000	2013 \$'000
CASH FLOWS FROM OPERATING ACTIVITIES			
Receipts from Customers and Sponsors (inclusive of GST)		75,303	70,245
Interest Received		1,883	1,709
Dividends Received		82	125
Government Capital Grant		-	1,260
Government Recurrent Grant		14,918	15,188
		<u>92,186</u>	<u>88,527</u>
Payments to Suppliers and Personnel Services (inclusive of GST)		(75,947)	(72,051)
Interest and Finance Costs Paid		(969)	(969)
		<u>(76,916)</u>	<u>(73,020)</u>
Net Cash (outflow)/inflow from Operating Activities	23(b)	15,270	15,507
CASH FLOWS FROM INVESTING ACTIVITIES			
Payments for Property, Plant and Equipment		(14,020)	(8,783)
Proceeds from Sale of Property, Plant and Equipment		8	23
Proceeds from Sale of Available-for-sale financial assets		164	2,058
Net Cash (outflow)/inflow from Investing Activities		(13,848)	(6,702)
CASH FLOWS FROM FINANCING ACTIVITIES			
Repayment of Borrowings		-	-
Net Cash (outflow)/inflow from Financing Activities		-	-
Net increase/(decrease) in cash and cash equivalents		1,422	8,805
Cash and cash equivalents at beginning of the year		50,543	41,738
Cash and cash equivalents at end of year	23(a)	51,965	50,543

The accompanying notes form part of these Financial Statements.

NOTES TO THE FINANCIAL STATEMENTS

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1	Summary of Significant Accounting Policies
2	Trading and Franchise Revenue
3	Government Grants
4	Investment Revenue
5	Other Income
6	Gain/(Loss) on Sale of Assets
7a	Personnel Services
7b	Marketing Expenses
7c	Depreciation and Amortisation Expenses
7d	Maintenance
7e	Finance Costs
8	Other Expenses
9	Financial Instruments
10	Fair Value Measurement of Non-Financial Assets
11	Trade and other receivables
12	Inventories
13	Available-for-Sale Financial Assets
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NOTES TO AND FORMING PART OF THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 30 JUNE 2014

1. Summary of Significant Accounting Policies

The principal accounting policies adopted in the preparation of these financial statements are set out below. These policies have been consistently applied to all the years presented, unless otherwise stated.

a) Reporting Entity

Taronga is a NSW Government Trading Enterprise constituted under the *Zoological Parks Board Act 1973*. Taronga is a not-for-profit entity. The reporting entity is consolidated as part of the NSW Total Sector Accounts.

The *Administrative Arrangements Order 2014* abolished the Taronga Division on 24 February 2014 and its operations were transferred to Office of Environment and Heritage (OEH). The OEH is a separate reporting entity which is not controlled by Taronga and does not control Taronga for financial reporting purposes. Taronga includes the activities of Taronga Zoo, Taronga Western Plains Zoo and the Taronga Foundation. Taronga's commercial activities, namely retail, catering, experience activities and accommodation are also included.

These financial statements for the year ended 30 June 2014 have been authorised for issue by Taronga on 22 September 2014.

b) Basis of Preparation

The entity's financial statements are general purpose financial statements which have been prepared in accordance with:

- i. the Australian Accounting Standards including the Australian equivalents to the International Financial Reporting Standards (AIFRS);
- ii. the *Public Finance and Audit Act 1983* and *Public Finance and Audit Regulation 2010*;
- iii. specific directions issued by the Treasurer.

Historical Cost Convention

The financial statements have been prepared under the historical cost convention, modified by the revaluation at fair value of land and buildings, plant and equipment and infrastructure systems.

Critical Accounting Estimates

The preparation of financial statements requires the use of certain critical accounting estimates. It also requires management to exercise its judgement in the process of applying Taronga's accounting policies. The areas involving a higher degree of judgement or complexity, or areas where assumptions and estimates are significant to financial statements are disclosed in the relevant notes to the financial statements.

Rounding

All amounts are rounded to the nearest one thousand dollars and are expressed in Australian currency.

c) Comparative Figures

When the presentation or classification of items in the financial statements is amended in respect of the changes in the current year, the comparative amounts are reclassified to enhance comparability unless the reclassification is impracticable.

d) Statement of Compliance

Taronga's financial statements and notes comply with Australian Accounting Standards.

e) Revenue Recognition

Revenue is measured at the fair value of the consideration received or receivable. Amounts disclosed as revenue are net of returns, trade allowances, rebates and amounts collected by third parties.

Taronga recognises revenue when the amount of revenue can be reliably measured, it is probable that the future economic benefits will flow to the entity and specific criteria have been met for each of Taronga's activities as described below. Taronga bases its estimates on historical results, taking into consideration the type of customer, type of transaction and the specifics of each arrangement.

Revenue is recognised for major business activities as follows:

i. Sale of Goods

Revenue from the sale of goods is recognised as revenue when Taronga transfers the significant risks and rewards of ownership of assets.

ii. Rendering of Services

Revenue is recognised when the service is provided. This includes Admissions at gate and Trading and Franchise Revenue.

iii. Investment Revenue

Interest revenue is recognised using the effective interest method as set out in AASB 139 *Financial Instruments: Recognition and Measurement*. Dividend revenue is recognised in accordance with AASB 118 when the entity's right to receive payment is established.

iv. Government Grants

The grants received from the NSW Government i.e. the social policy payment for the conduct of Taronga's recurrent non-commercial activities, together with the asset maintenance and the capital grants are generally recognised as income when Taronga obtains control over the assets comprising the contributions. Control over grants is normally obtained upon the receipt of cash.

v. Donations and Bequest

The Taronga Foundation's pledged donations including bequests are not recognised as income until received.

vi. Sponsorship

All sponsorships and non-reciprocal contributions from the public are included in Taronga's revenue on receipt.

The value of goods and services received by way of sponsorship was included in Taronga's revenue for the year as sponsorship income. The respective goods and services related to this income are reflected in the appropriate expense or asset accounts. The values of such sponsorships are brought to account on the proviso that a fair value for the sponsorship could be ascertained.

f) Acquisition of Assets

The cost method of accounting is used for the initial recording of all acquisitions of assets controlled by Taronga. Cost is the amount of cash or cash equivalents paid or the fair value of the consideration given to acquire the assets at the time of its acquisition plus the costs incidental to the acquisition.

Assets acquired at no cost or for nominal consideration are initially recognised at their fair value at the date of acquisition.

Fair value is the amount for which an asset could be exchanged between knowledgeable, willing parties in an arm's length transaction.

g) Capitalisation Thresholds

Property, plant and equipment and intangible assets costing \$2,000 and above individually (or forming part of a network costing more than \$2,000) are capitalised.

h) Revaluation of Property, Plant and Equipment

Physical non-current assets are valued in accordance with the 'Valuation of Physical Non-Current Assets at Fair Value' (TPP 14-01). This policy adopts fair value in accordance with AASB 13 *Fair Value Measurement* and AASB 116 *Property, Plant and Equipment*.

It further clarifies that fair value is determined by reference to its 'highest and best use' taking into account the existing physical, legal, financial and socio-political environment in which the entity operates and which results in the highest value.

Property, plant and equipment is measured on an existing use basis, where there are no feasible alternative uses in the existing natural, legal, financial and socio-political environment. However, in the limited circumstances where there are feasible alternative uses, assets are valued at their highest and best use.

Fair value of land, infrastructure, buildings and plant and equipment is determined based on the best available market evidence, including current market selling prices for the same or similar assets. Where there is no available market evidence, the asset's fair value is measured at its market buying price, the best indicator of which is depreciated replacement cost.

Taronga revalues each class of property and plant and equipment at least every five years or with sufficient regularity to ensure that the carrying amount of each asset in the class does not differ materially from its fair value at reporting date. The most recent full revaluation was performed in March 2014. This is in accordance with the 'Accounting Policy for the Valuation

of Physical Non-Current Assets at Fair Value' (TPP 14-01). Details of the valuations are as follows:

i. Land

The value of the Taronga's land holdings is based on a full revaluation conducted by the Lands and Property Information (LPI) a division of NSW Department of Finance and Services in March 2014. The land has been valued at fair value having regard to current use as indicated by the zoning, heritage restrictions and other controls over the property. Taronga has formed the opinion that there was no change to the valuation for the period to 30 June 2014.

ii. Infrastructure

Valuation of the infrastructure includes all site works which are considered to add value to the site as used and not already valued as individual fixed assets (such as buildings). This includes all services, roads and landscaping, etc. The value for infrastructure was split between the major categories of roads, services and landscaping and its value to the site expressed at Written down Replacement Value. The valuation was conducted by LPI in March 2014 and the value in the Taronga's accounts for this class of asset has been adjusted accordingly. Taronga has formed the opinion that there was no change to the valuation for the period to 30 June 2014.

iii. Buildings, Enclosures and Improvements

The value of Taronga's buildings, enclosures and improvements is based on a revaluation conducted by the LPI in March 2014. The carrying value of these assets has been adjusted accordingly to reflect these updated valuations. Taronga has formed the opinion that there was no change to the valuation for the period to 30 June 2014.

i) Revaluation Increments/Decrements

Revaluation increments are credited directly to the asset revaluation reserve, except to the extent that an increment reverses a revaluation decrement in respect of that class of asset previously recognised as an expense in the surplus/deficit, the increment is recognised immediately as revenue in the surplus/deficit.

Revaluation decrements are recognised immediately as expenses in the surplus/deficit, except that, to the extent that a credit balance exists in the asset revaluation reserve in respect of the same class of assets, they are debited directly to the asset revaluation reserve.

As a not-for-profit entity, revaluation increments and decrements are offset against one another within a class of non-current assets, but not otherwise.

Where an asset that has previously been re-valued is disposed of, any balance remaining in the asset revaluation reserve in respect of that asset is transferred to the accumulated funds.

j) Impairment of Property, Plant and Equipment

As a non-for-profit with no separable cash generating units, Taronga is effectively exempted from AASB 136 *Impairment of Assets* and impairment testing. This is because AASB 136 modifies the recoverable amount test to the higher of fair values less costs to sell and depreciated replacement cost. This means that for an asset already measured at fair value, impairment can only arise if selling costs are material. Selling costs are regarded as immaterial.

k) Depreciation and Amortisation

Taronga has adopted a policy whereby depreciation is calculated on a straight-line basis for all depreciable assets so as to write off the depreciable amount of each asset as it is consumed over its useful life. Details of depreciation rates and methods are as follows:

Category of Asset	Rate of Depreciation
Motor Vehicles	10.0%
Computer Equipment	33.3%
Other Items	20.0%
Infrastructure	The rate being determined by the estimated life of the asset (3-40 years as appropriate)
Building, Enclosures and Improvements	The rate being determined by the estimated life of the asset (1-50 years as appropriate)

Taronga's intangible assets are amortised using the straight line method. Details of amortisation rates are as follows:

Category of Asset	Rate of Depreciation
Financial Application and Other Software	10.0% - 33.3%

These rates are consistent with those used in the previous year.

l) Maintenance

The cost of day-to-day servicing or maintenance is charged to expenses as incurred, except where they related to the replacement of a part or component of an asset, in which case the costs are capitalised and depreciated.

m) Leased Assets

A distinction is made between finance leases which effectively transfer from the lessor to the lessee substantially all the risks and benefits incidental to ownership of the leased assets, and operating leases under which the lessor effectively retains all such risks and benefits.

Operating lease payments are charged to the Income Statement in the periods in which they are incurred.

n) Intangible Assets

Taronga recognises intangible assets only if it is probable that future economic benefits will flow to Taronga and the cost of the asset can be measured reliably. Intangible assets are measured initially at cost. Where an asset is acquired at no cost or nominal cost, the cost is its fair value as at the date of acquisition.

The useful lives of intangible assets are assessed to be between three and ten years.

Intangible assets are subsequently measured at fair value only if there is an active market. As there is no active market for some of Taronga's software classified as intangible assets, these assets are carried at cost less any accumulated amortisation.

In general, intangible assets are tested for impairment where an indicator of impairment exists. If the recoverable amount is less than its carrying amount the carrying amount is reduced to the recoverable amount or the reduction is recognised as an impairment loss.

o) Available-for-sale Investments

Available-for-sale investments are measured at fair value. Any unrealised gain/loss is recognised in other comprehensive income until disposed or impaired; at which time the cumulative gain or loss previously recognised in other comprehensive income is recognised in the net result for the year.

p) Personnel Services

i. Salaries and Wages, Annual Leave, Sick Leave and On-Costs

Liabilities for salaries and wages that fall due wholly within 12 months of the reporting date are recognised and measured in respect of employees' services up to the reporting date at undiscounted amounts based on the amounts expected to be paid when the liabilities are settled.

Unused non-vesting sick leave does not give rise to a liability as it is not considered probable that sick leave taken in the future will be greater than the benefit accrued in the future.

All accrued annual leave is treated as a current liability with the expectation that annual leave will be taken when due. The on-costs i.e. payroll tax, worker's compensation insurance premiums and superannuation which are consequential to employment have been taken into account in calculating annual leave provisions.

The outstanding amounts of payroll tax, workers' compensation insurance premiums, and fringe benefits tax, which are consequential to employment, are recognised as either liabilities or expenses depending on where the employee benefits to which they relate have been recognised.

All employees are entitled to superannuation benefits under one of the superannuation schemes, namely First State Superannuation Scheme (FSS), State Authorities Non-Contributory Superannuation Scheme (SANCS), State Authorities Superannuation Scheme (SASS), and State Superannuation Scheme (SSS). All funds are administered by the Superannuation Administration Corporation trading as Pillar Administration.

The superannuation schemes SSS, SASS and SANCS are all defined benefit schemes; at least a component of the final benefit is derived from a multiple of member salary and years of membership. All three schemes are closed to new members. Employees who are not members of an associated scheme and were covered by the State Authorities Non-Contributory Scheme (Basic Benefit) are automatically transferred into FSS. Employees also have the choice of using other superannuation schemes and some opted to do so.

ii. Long Service Leave

The liability for long service leave is recognised as a provision and measured as the present value of expected future payments to be made in respect of services provided by employees up to the reporting date.

Consideration is given to expected future wage and salary levels, experience of employee departures and periods of service. Expected future payments are discounted using market yields at the reporting date on Government bonds with terms to maturity that match as closely as possible the estimated future cash flows.

q) Animal Collection

The animal collection managed by Taronga is reflected in Taronga's accounting records at one dollar. This is consistent with worldwide industry practice. Taronga regards the animals as part of a regional and international collection and not the specific property of the institution.

r) Accounting for Goods and Services Tax

Revenues, expenses and assets are recognised net of the amount of GST, except where:

- The amount of GST incurred by Taronga as a purchaser that is not recoverable from the Australian Taxation Office is recognised as part of the cost of acquisition of an asset or as part of an item of expense.
- Receivables and payables are stated with the amount of GST included. The net amount of GST recoverable from, or payable to, the Australian Taxation Office is included with other receivables or payables in the balance sheet.

Cash flows are presented on a gross basis. The GST components of cash flows arising from investing or financing activities which are recoverable from, or payable to, the Australian Taxation Office are presented as operating cash flows.

s) Trade and Other Receivables

Trade receivables, which generally have 30 day terms, are recognised and carried at original invoice amount less an allowance for any uncollectible amounts. Short-term receivables with no stated interest rate are measured at the original invoice amount where the effect of discounting is immaterial.

An allowance for impairment is raised when there is objective evidence that Taronga will not be able to collect amounts due. The credit risk is the carrying amount of the financial assets (net of any allowance for impairment). Debts which are known to be uncollectible are written off. No interest is earned on trade debtors. The carrying amount approximates fair value.

t) Inventories

Inventories held for distribution are stated at the lower of cost and current replacement cost. Inventories (other than those held for distribution) are stated at the lower of cost and net realisable value. The cost is calculated using the weighted average cost method. Current replacement cost is the cost Taronga would incur to acquire the asset on the reporting date. Net realisable value is the estimated selling price in the ordinary course of business less the estimated costs of completion and the estimated costs necessary to make the sale.

u) Borrowings

Loans are not held for trading or designated at fair value through the profit or loss but are recognised at amortised cost using the effective interest rate method. Gains or losses are recognised in the income statement on de-recognition.

v) Trade and Other Payables

Payables are initially recognised at fair value, usually based on the transaction cost. Trade accounts payable are generally settled within 30 days.

w) Finance Costs

Finance costs are recognised as expenses in the period in which they are incurred in accordance with Treasury's mandate to not for profit general government sector entities.

x) Insurance

Taronga's insurance activities are conducted through NSW Treasury Managed Fund Scheme of self insurance for government agencies. The expense (premium) is determined by the Fund Manager based on claims experience.

y) Changes in Accounting Policy, Including new or Revised Australian Accounting Standards**Effective for the first time in 2013-14**

- AASB 119 and AASB 2011-10 regarding employee benefits

This standard has changed recognition and measurement technique for defined benefit superannuation plan expenses and termination benefits. It has also changed the disclosures for employee benefits.

The key changes include:

- The interest income component has replaced the expected return on assets. Interest income is calculated using a different discount rate to expected return on assets, which has led to an increase to the expense reported in the Statement of Comprehensive Income
- The standard does not allow investment credits to be netted off against the superannuation contributions tax. This has changed the calculation of the defined benefits liability presented in the statement of financial position. As a result the Defined Benefit liability and the expense related to the Defined Benefit Cost have increased.
- Enhanced disclosure requirements relating to the characteristics, risks and amounts in the financial statements regarding defined benefit superannuation plans, as well as the effect of defined benefit superannuation plans on the amount, timing and certainty of the entity's future cash flows

Above changes are adopted in these financial statements.

Impact on income statement for the year ended 30 June 2013 as a result of AASB 119

	As at 30/06/2013 as previously reported \$'000	AASB 119 Adjustments \$'000	As at 30/06/2013 as restated \$'000
Expenses			
Personnel Services	37,872	(451)	37,421
Total Expenditure	83,846	(451)	83,395
SURPLUS/(DEFICIT) FOR THE YEAR	2,608	451	3,059

Impact on income statement for the year ended 30 June 2014 as a result of AASB 119

	AASB 119 Adjustments \$'000
Expenses	
Personnel Services	50
Total Expenditure	50
SURPLUS/(DEFICIT) FOR THE YEAR	(50)

Impact on total comprehensive income for the year ended 30 June 2013 as a result of AASB 119

	As at 30/06/2013 as previously reported \$'000	AASB 119 Adjustments \$'000	As at 30/06/2013 as restated \$'000
Surplus/(Deficit) for the year	2,608	451	3,059
Total comprehensive income for the year	8,949	451	9,399

Impact on total comprehensive income for the year ended 30 June 2014 as a result of AASB 119

	AASB 119 Adjustments \$'000
Surplus/(Deficit) for the year	(50)
Total comprehensive income for the year	(50)

Impact on assets, liabilities and equity as at 1 July 2012 as a result of AASB 119

	As at 1/07/2012 as previously reported \$'000	AASB 119 Adjustments \$'000	As at 1/07/2012 as restated \$'000
LIABILITIES			
Current Liabilities			
Trade and Other Payables	20,881	1,194	22,076
Total Current Liabilities	22,060	1,194	23,255
Total Liabilities	38,491	1,194	39,686
Net Assets	386,787	(1,194)	385,593
Equity			
Accumulated Funds	200,309	(1,194)	199,115
Total Equity	386,787	(1,194)	385,593

Impact on assets, liabilities and equity as at 30 June 2013 as a result of AASB 119

	As at 30/06/2013 as previously reported \$'000	AASB 119 Adjustments \$'000	As at 30/06/2013 as restated \$'000
LIABILITIES			
Current Liabilities			
Trade and Other Payables	18,172	744	18,916
Total Current Liabilities	19,959	744	20,703
Total Liabilities	36,494	744	37,238
Net Assets	395,736	(744)	394,992
Equity			
Accumulated Funds	202,917	(744)	202,173
Total Equity	395,736	(744)	394,992

Impact on assets, liabilities and equity as at 30 June 2014 as a result of AASB 119

	AASB 119 Adjustments
	<u>\$'000</u>
LIABILITIES	
Current Liabilities	
Trade and Other Payables	794
Total Current Liabilities	794
Total Liabilities	794
Net Assets	(794)
Equity	
Accumulated Funds	(794)
Total Equity	(794)

- AASB 13 and AASB 2011-8 regarding fair value measurement.

AASB 13 aims to improve consistency and reduce complexity by providing a precise definition of fair value and a single source of fair value measurement and disclosure requirements for use across Australian Accounting Standards. No differences were found in the valuation approach and therefore no adjustments to any of the carrying amounts in the financial statements are required as a result of the adoption of AASB 13.

Adoption of revised AASB 13 required additional disclosures in Taronga's financial statements. This requirement classifies Fair Value Measurement of Non-Financial Assets into 3 Levels and explains the valuation techniques and reconciliation for Level 3 Assets.

Issued but not yet effective

- AASB 9 and AASB 2010-7 regarding financial instruments – mandatory for 2017 Financial Statements

z) Financial Risk Management

Taronga has exposure to the following risks from its use of financial instruments:

- Credit risk
- Liquidity risk
- Market risk

This note presents information about Taronga's exposure to each of the above risks, its objectives, policies and processes for measuring and managing risk, and the management of capital. Further quantitative disclosures are included throughout these financial statements.

The Board of Directors has overall responsibility for the establishment and oversight of the risk management framework.

Taronga has established the Audit and Risk Committee that is responsible for developing and monitoring risk management policies. The Committee reports regularly to the Board of Directors on its activities.

Risk management policies are established to identify and analyse the risks faced by Taronga, to set appropriate risk limits and controls, and to monitor risks and adherence to limits. Risk management policies and systems are reviewed regularly to reflect changes in market conditions and Taronga's activities. Taronga, through its training and management standards and procedures, aims to develop a disciplined and constructive control environment in which all employees understand their roles and obligations.

The Audit and Risk Committee oversees how management monitors compliance with Taronga's risk management policies and procedures and reviews the adequacy of the risk management framework in relation to the risks faced by Taronga.

i. Credit Risk

Credit risk is the risk of financial loss to Taronga if a customer or counterparty to a financial instrument fails to meet its contractual obligations and arises principally from Taronga's receivables from customers. The maximum exposure to credit risk is represented by the carrying amount of the financial assets (net of any allowance for impairment).

Credit risk arises from the financial assets of Taronga, including cash, receivables and authority deposits. No collateral is held by Taronga. Taronga has not granted any financial guarantees.

Credit risk associated with Taronga's financial assets, other than receivables is managed through the selection of counterparties and the establishment of minimum credit standards. Authority deposits held with NSW Treasury Corporation (TCorp) Hour-Glass are guaranteed by the State.

Cash

Cash comprises cash on hand and bank balances at call with ANZ Banking Corporation, Westpac Banking Corporation, National Australia Bank and TCorp which have been rated "AA-", "AA-", "AA-" and "AAA" by Standard and Poor's respectively. Interest is earned on daily bank balances. At balance date the cash deposits were earning an average interest rate of 3.81% (2013 4.41%), the weighted average interest rate for the period was 3.77% (2013 4.41%). None of these balances are past due or impaired.

Receivables - Trade Debtors

All trade debtors are recognised as amounts receivable at balance date. Collectability of trade debtors is reviewed on an ongoing basis.

An allowance for impairment is raised when there is objective evidence that Taronga will not be able to collect all amounts due. This evidence includes past experience, and current and expected changes in economic conditions and debtor credit ratings. No interest is earned on trade debtors. Sales are made on 30 day terms.

Taronga is not materially exposed to concentration of credit risk to a single trade debtor or group of debtors.

Quantitative disclosures in relation to the ageing and demographics of debtors are made in Note 9 to these accounts.

ii. Liquidity Risk

Liquidity risk is the risk that Taronga will not be able to meet its financial obligations as and when they fall due. Taronga's approach to managing liquidity is to ensure, as far as possible, that it will have sufficient liquidity to meet its liabilities when they fall due under both normal and stressed conditions.

Taronga continuously manages risk through monitoring future cash flows and maturities planning to ensure adequate holding of high quality liquid assets. During the current and prior years, there were no defaults or breaches in any loans payable. No assets have been pledged as collateral.

Liabilities are recognised for amounts due to be paid in the future for goods or services received, whether or not invoiced.

An analysis of the maturity profile of Taronga financial liabilities is in Note 9 of the accounts.

Taronga maintains a direct payments facility of \$1.4m. This was unused at 30 June 2014.

iii. Market Risk

Market risk is the risk that the fair value or future cash flows of a financial instrument will fluctuate because of changes in market prices.

Taronga has no exposure to foreign currency risk and does not enter into commodity contracts.

Taronga's financial instruments comprise trade receivables and payables which do not earn/incur interest and fixed interest treasury loans which are not subject to interest rate fluctuations.

Cash deposited at the bank and in TCorp Hour-Glass cash facility earns interest at a variable rate. A sensitivity analysis of the impact of an interest rate rise or fall of 100 basis points is included in Note 9 to these accounts.

Taronga holds equities which are subject to price risk. This arises from shares bequeathed to Taronga. To manage its price risk Taronga seeks to sell shares in an orderly manner with independent expert advice from a professional broker.

2. Trading and Franchise Revenue

	2014 \$'000	2013 \$'000
i) Catering Sales	2,289	2,071
Less: Cost of Sales	(987)	(936)
Gross Profit	1,301	1,135
ii) Souvenir Sales	6,318	6,166
Less: Cost of Sales	(2,407)	(2,374)
Gross Profit	3,911	3,792
iii) Catering Franchise Commissions	3,136	2,940
Total Sales	11,743	11,177
Less total Cost of Sales	(3,394)	(3,310)
Total Gross Profit	8,349	7,867

3. Government Grants

	2014 \$'000	2013 \$'000
Capital grant	-	1,260
Recurrent grant	14,918	15,288
Total Government Grants	14,918	16,548

4. Investment Revenue

	2014 \$'000	2013 \$'000
Dividend Income	83	95
Term Deposits and Bank Interest	1,931	1,969
Total Investment Revenue	2,013	2,065

5. Other Income

	2014	2013
	\$'000	\$'000
Animal Sponsorship	457	472
Animal Encounters	760	693
Bike and Cart Hire	746	789
Car Parking	1,728	1,646
Concert Commission	212	320
Consultancy Fees	53	82
Educational and Recreation Activities	4,825	4,308
Event Income	895	846
Provision of Services	84	78
Research Project Income	1,109	814
Sponsorship of Goods and Services	1,544	1,458
Taronga Training Institute	749	617
Zoo Friends Joining and Event Fees	157	186
Zoofari Lodge	2,190	2,066
Sundry Income	2,793	2,400
Total Other Income	18,301	16,776

6. Gain/(Loss) on Sale of Assets

	2014	2013
	\$'000	\$'000
Gain/(Loss) on Sale of Plant & Equipment	(6)	18
Gain/(Loss) on Sale of Financial Assets	(21)	228
Total Gain/(Loss) on Sales of Assets	(27)	247

7. Expenses

a) Personnel Services

	2014	2013
	\$'000	\$'000
Salaries and Wages	35,439	33,352
Long Service Leave	861	764
Payroll Tax	2,224	2,040
Workers Compensation Insurance	903	902
Superannuation*	3,918	349
Other	16	13
Total Personnel Services	43,362	37,421

The personnel services is the expense incurred by Taronga on personnel services provided by Taronga Division from 1 July 2013 till 23 February 2014 and from 24 February 2014 by OEH due to the Administrative order 2014.

*As the employment is undertaken by OEH, the defined benefit superannuation actuarial gain/loss is included in Personnel Service Expenses in the Income Statement rather than in

the Statement of Comprehensive Income. In 2014 a defined benefit superannuation actuarial loss of \$55,755 is included in superannuation (\$3,336,020 gain in 2013).

Employee related costs amounting to \$821,999 have been capitalised during the year (\$512,028 in 2013) and \$229,392 (\$154,040 in 2013) have been transferred to maintenance expenses. These employee related costs are excluded from the above.

b) Marketing Expenses

	2014 \$'000	2013 \$'000
Advertising	2,000	1,673
Promotions	231	810
Other Marketing	756	995
Total Marketing Expenses	2,987	3,477

c) Depreciation and Amortisation Expenses

	2014 \$'000	2013 \$'000
Depreciation		
Land and Buildings	14,350	13,577
Plant and Equipment	916	822
Infrastructure	3,124	2,911
Amortisation		
Intangible Assets	58	61
Total Depreciation and Amortisation Expenses	18,449	17,371

d) Maintenance

	2014 \$'000	2013 \$'000
Contracted labour and other (non employee related)	5,997	5,523
Employee related maintenance expenses (Asset Maintenance Grant)	229	154
Total Maintenance Expenses	6,226	5,677

e) Finance Costs

	2014 \$'000	2013 \$'000
Interest on Borrowings	969	969
Amortisation of discounts relating to borrowings	111	104
Total Finance Costs	1,080	1,073

8. Other Expenses

	2014	2013
	\$'000	\$'000
Animal Transport	265	125
Animal Husbandry & Research Support	2,455	2,170
Audit Fees – Audit of Financial Statements	97	95
Bad Debts Written Off	-	2
Bank Charges & Fees	317	297
Board Honoraria	203	192
Carrying Value of Assets Disposed:		
– Land and Buildings	325	144
– Plant and Equipment	37	4
– Infrastructure	1	7
Catering	1,277	947
Cash Collection	40	44
Communications	425	488
Computing Costs	275	351
Conference & Training	234	306
Consultancy	31	162
Contractors	880	1,034
Contract Services	3,499	1,475
Education Projects	16	12
Energy Costs	1,616	1,657
Internal Audit Fees	56	56
Legal Fees	128	197
Minor Equipment & Stores	803	625
Postage & Couriers	238	229
Printing & Stationery	544	648
Protective Clothing	212	207
Provision for Impairment of Trade Receivables	(160)	160
Travelling Expenses	360	370
Vehicle Costs	259	295
Vehicle Leasing Expenses	313	322
Water & Sewerage	441	437
Zoofari Lodge Expenses	235	207
Sundry Expenses	1,308	1,381
Total Other Expenses	16,729	14,645

9. Financial Instruments

Financial Instruments give rise to positions that are a financial asset either of Taronga or its counterparty and a financial liability (or equity instrument) of the other party. For Taronga these include cash, receivables, cash deposited at the bank and in TCorp Hour-Glass facility, payables and borrowings and available for sale shares.

In accordance with AASB 7 *Financial Instruments: Disclosures*, information is disclosed below in respect of the market risk, credit risk and liquidity risk of financial instruments.

Financial instruments are carried at amortised cost, with the exception of cash and shares, which are carried at fair value. However, the fair value of the other classes of financial instruments approximates their carrying value.

Taronga does not enter into or trade financial instruments for speculative purposes. Taronga does not use financial derivatives.

Financial Instrument Categories

Financial Assets	Category	2014	2013
Class:		\$'000	\$'000
Cash and Cash Equivalents	N/A	51,965	50,543
Receivables (1)	Loans and receivables at amortised cost	2,604	2,316
Financial assets at fair value	Available-for-sale financial assets (at fair value)	2,176	2,086
Financial Liabilities			
Class:			
Payables (2)	Financial liabilities measured at amortised cost	19,216	18,897
Borrowings	Financial liabilities measured at amortised cost	16,646	16,535

(1) Excludes statutory receivables and prepayments (i.e. not within scope of AASB 7).

(2) Excludes statutory payables and unearned revenue in (i.e. not within scope of AASB 7).

b) Credit Risk

Credit risk arises from the financial assets of Taronga which comprises cash and cash equivalents, trade and other receivables. The carrying amount of Taronga's financial assets represents the maximum credit exposure.

Taronga's maximum exposure to credit risk at reporting date was:

	2014	2013
	\$'000	\$'000
Cash and Cash equivalents	51,965	50,543
Total Trade Receivables	2,604	2,316
	<u>54,569</u>	<u>52,859</u>

Taronga's maximum exposure to credit risk for trade receivables at the reporting date by type of customer was:

Trade Receivables Owing from NSW Government Entities	112	781
Trade Receivables Owing from Tourism Operators	776	691
Trade Receivables Owing from Other Entities	916	579
Trade Receivables Owing from Sponsors	596	272
Trade Receivables Owing from Catering Franchise Operator	204	169
Less: Allowance for Impairment	-	(176)
	<u>2,604</u>	<u>2,316</u>

Taronga does not hold any collateral as security over receivables.

Impairment as at 30 June 2014

	Gross Impairment	Gross Impairment	Gross Impairment	Gross Impairment
	2014	2014	2013	2013
	\$'000	\$'000	\$'000	\$'000
Not Past Due	1,801	-	2,308	-
Past due 0-30 Days	730	-	8	-
Past due 31-90 days	73	-	88	(88)
Past due > 90 Days	-	-	88	(88)
	<u>2,604</u>	<u>-</u>	<u>2,492</u>	<u>(176)</u>

The movement in the allowance for impairment in respect of trade receivables during the period was as follows:

	2014	2013
	\$'000	\$'000
Balance at 1 July	176	-
Impairment (Gain) Recognised	(176)	176
Balance at the end of period	<u>-</u>	<u>176</u>

c) Liquidity Risk

The following are the contractual maturities of financial liabilities, including estimated interest payments:

30-Jun-2014	Carrying Amount \$'000	Contractual Cash flows \$'000	Maturity Dates				
			< 6 mnths \$'000	6-12 mnths \$'000	>1yr <2 yrs \$'000	2-5 yrs \$'000	>5 yrs \$'000
Non-derivative Financial liabilities							
Trade and Other Payables	4,202	(4,202)	(4,202)	-	-	-	-
Borrowings -Fixed Interest Rate	16,646	(20,011)	(5,484)	(347)	(694)	(13,486)	-

30-Jun-2013	Carrying Amount \$'000	Contractual Cash flows \$'000	Maturity Dates				
			< 6 mnths \$'000	6-12 mnths \$'000	>1yr <2 yrs \$'000	2-5 yrs \$'000	>5 yrs \$'000
Non-derivative Financial liabilities							
Trade and Other Payables	4,574	(4,574)	(4,574)	-	-	-	-
Borrowings -Fixed Interest Rate	16,535	(20,980)	(484)	(484)	(5,831)	(7,690)	(6,489)

The Borrowings are shown as maturing in the future periods above, including interest payable there-on. The Board maintains the flexibility to either repay the loans on maturity or to extend these loans for a further period.

Fair Value

Fair Value Compared to Carrying Amount

Financial instruments are generally recognised at amortised cost, with the exception of the TCorp Hour-Glass facilities, which are measured at fair value. The value of the TCorp Hour-Glass investments is based on Taronga's share of the value of the underlying assets of the facility, based on market value. All of the TCorp Hour-Glass facilities are valued using 'redemption' pricing.

The value of shares is based on quoted prices in active markets for identical shares.

The amortised cost of financial instruments recognised in the statement of financial position approximates the fair value because of the short-term nature of many of the financial instruments.

	Carrying Value		Fair Value	
	2014 \$'000	2013 \$'000	2014 \$'000	2013 \$'000
Financial Assets				
Cash and Cash Equivalents	51,965	50,543	51,965	50,543
Receivables	2,604	2,316	2,604	2,316
Financial assets at fair value	2,176	2,086	2,176	2,086
	56,745	54,945	56,745	54,945
Financial Liabilities				
Payables	19,216	18,897	19,216	18,897
Borrowings	16,646	16,535	18,555	18,661
	35,862	35,432	37,771	37,558

Fair Value Recognised in the Statement of Financial Position

Level 1 - Derived from quoted prices in active markets for identical assets/liabilities.

Level 2 - Derived from inputs other than quoted prices that are observable directly or indirectly.

Level 3 - Derived from valuation techniques that include inputs for the asset/liability not based on observable market data.

	Level 1 \$'000	Level 2 \$'000	Level 3 \$'000	Total \$'000
Financial Assets at Fair Value				
TCorp Hour-Glass Investment Facility	-	11,410	-	11,410
Shares	2,176	-	-	2,176
	2,176	11,410	-	13,587

10. Fair Value Measurement of Non-Financial Assets

(a) Fair Value Hierarchy

	Level 1 \$'000	Level 2 \$'000	Level 3 \$'000	Total Fair Value \$'000
Property Plant and Equipment				
Land and Buildings	-	64,750	288,510	353,260
Plant and Equipment	-	-	2,824	2,824
Infrastructure	-	-	62,490	62,490
	-	64,750	353,824	418,574

There were no transfers between Level 1 or 2 during the period.

(b) Valuation Techniques, Inputs and Processes

The Fair value of land, buildings and infrastructure was determined by LPI. Taronga's land has been valued using the direct comparison approach and classified as level 2, under this valuation method transactions of land acquired for special uses and open space purposes are analysed and considered for comparison purposes.

Fair value of buildings is measured by its depreciated replacement costs, as the current market buying prices cannot be observed. Therefore buildings are classified as level 3. In determining the fair value of buildings and infrastructure current and historical costs were considered as these assets are highly specialised and unique.

The fair value of plant and equipment is recorded as depreciated value of the acquisition cost.

(c) Reconciliation of Recurring Level 3 Fair Value Measurements

	Recurring Level 3 Fair value \$'000
Fair Value as at 1 July 2013	
Buildings, Plant and Equipment and Infrastructure	305,764
Additions	14,612
Revaluation increments/(decrements) recognised in Net result	-
Revaluation increments/(decrements) recognised in other comprehensive income	52,215
Transfers from Level 2	-
Transfers to Level 2	-
Disposals	(906)
Depreciation	(17,861)
Fair Value as at 30 June 2014	353,824

11. Trade and Other Receivables

	2014 \$'000	2013 \$'000
Debtors	2,816	2,794
Less: Allowance for impairment	-	(160)
	2,816	2,634
Prepayments	194	224
Total Trade and Other Receivables	3,010	2,857

12. Inventories

	2014 \$'000	2013 \$'000
<u>Held for Distribution</u>		
Food for Animals	181	152
Stores and Spare Parts	244	210
	425	362
<u>Held for Resale</u>		
Catering	63	68
Souvenirs	799	800
	861	868
Total Inventories	1,286	1,230

13. Available for Sale Financial Assets

	2014 \$'000	2013 \$'000
Requested Shares	2,176	2,086

14. Property, Plant and Equipment

	Work in Progress	Land and Buildings	Plant and Equipment	Infrastructure	Total
	\$'000	\$'000	\$'000	\$'000	\$'000
At 1 July 2013 - fair value					
Gross carrying amount	8,168	451,545	8,217	74,187	542,117
Accumulated Depreciation	-	(140,237)	(5,324)	(21,223)	(166,785)
Net carrying amount	8,168	311,308	2,893	52,963	375,332
At 30 June 2014 - fair value					
Gross carrying amount	8,325	473,750	8,796	81,356	572,227
Accumulated Depreciation	-	(120,489)	(5,972)	(18,867)	(145,328)
Net carrying amount	8,325	353,260	2,824	62,490	426,900

Reconciliation

Reconciliations of the carrying amount of each class of property, plant and equipment at the beginning and end of the current financial period is set out below:

	Work in Progress	Land and Buildings	Plant and Equipment	Infrastructure	Total
	\$'000	\$'000	\$'000	\$'000	\$'000
Period ended 30 June 2014					
Net carrying amount at 1 July 2013	8,168	311,308	2,893	52,963	375,332
Additions	12,899	1,258	593	20	14,769
Transfers	(12,742)	7,509	307	4,926	-
Disposals	-	(586)	(320)	-	(906)
Revaluation increment	-	47,861	-	7,705	55,565
Depreciation expense	-	(14,350)	(916)	(3,124)	(18,391)
Depreciation on disposals	-	261	268	-	530
Net carrying amount at 30 June 2014	8,325	353,260	2,824	62,490	426,900
At 1 July 2012 - fair value					
Gross carrying amount	2,518	442,668	7,859	71,093	524,137
Accumulated Depreciation	-	(125,707)	(4,947)	(17,872)	(148,526)
Net carrying amount	2,518	316,961	2,912	53,221	375,612
At 30 June 2013 - fair value					
Gross carrying amount	8,168	451,545	8,217	74,187	542,117
Accumulated Depreciation	-	(140,237)	(5,324)	(21,223)	(166,785)
Net carrying amount	8,168	311,308	2,893	52,963	375,332

Reconciliation

Reconciliations of the carrying amount of each class of property, plant and equipment at the beginning and end of the previous financial year is set out below:

	Work in Progress	Land and Buildings	Plant and Equipment	Infrastructure	Total
	\$'000	\$'000	\$'000	\$'000	\$'000
Year ended 30 June 2013					
Net carrying amount at 1 July 2012	2,518	316,961	2,912	53,221	375,612
Additions	8,935	1,340	687	-	10,962
Transfers	(3,284)	1,558	125	1,602	-
Disposals	-	(2,357)	(454)	(72)	(2,882)
Revaluation increment	-	5,170	-	1,059	6,229
Depreciation expense	-	(13,577)	(822)	(2,911)	(17,310)
Depreciation on disposals	-	2,213	445	65	2,723
Net carrying amount at 30 June 2013	8,168	311,308	2,893	52,963	375,332

Land

Mosman – Taronga Zoo (28.1 hectares)

Zoning: Special Activities 1 – Zoological Gardens under Mosman Local Environment Plan 2012.
As per Land and Property Management Authority's valuation in March 2014, based on comparable values for open recreation land, \$62,000,000. Taronga has formed the opinion that there was no change to the valuation for the period to 30 June 2014.

Dubbo – Taronga Western Plains Zoo (758.3 hectares)

Zoning: SP3 Tourist under the Dubbo Local Environment Plan 2011.
As per Land and Property Management Authority's valuation in March 2014, based on comparable zoning values \$2,750,000. Taronga has formed the opinion that there was no change to the valuation for the period to 30 June 2014.

15. Intangible Assets

	Total \$'000
At 1 July 2013	
Cost (gross carrying amount)	573
Accumulated Amortisation and Impairment	(392)
Net carrying amount	181
At 30 June 2014	
Cost (gross carrying amount)	612
Accumulated Amortisation and Impairment	(451)
Net carrying amount	161
Period ended 30 June 2014	
Net carrying amount at 1 July 2013	181
Additions (acquisitions)	38
Transfers	-
Disposals	-
Amortisation	(58)
Amortisation on disposals	-
Net carrying amount at 30 June 2014	161
At 1 July 2012	
Cost (gross carrying amount)	573
Accumulated Amortisation and Impairment	(332)
Net carrying amount	242
At 30 June 2013	
Cost (gross carrying amount)	573
Accumulated Amortisation and Impairment	(392)
Net carrying amount	181
Year ended 30 June 2013	
Net carrying amount at 1 July 2012	242
Additions (acquisitions)	-
Transfers	-
Disposals	-
Amortisation	(61)
Amortisation on disposals	-
Carrying amount at 30 June 2013	181

16. Trade and Other Payables

	2014 \$'000	2013 \$'000
Operating Expense Creditors	1,910	1,847
Capital Creditors	834	1,165
Accruals and Other Creditors	1,458	1,474
Personnel Services	15,014	14,430
Total Trade and Other Payables	19,216	18,916

(a) Personnel Services

	2014	2013
	\$'000	\$'000
Current Liabilities		
Salaries and Wages Payable	273	106
Annual Leave Provision	2,851	2,972
Long Service Leave Provision	6,229	5,990
Superannuation	5,661	5,362
Total Personnel Services	15,014	14,430

17. Other Liabilities

	2014	2013
	\$'000	\$'000
Unearned Income	1,597	1,787
Total Other Liabilities	1,597	1,787

18. Borrowings

	2014	2013
	\$'000	\$'000
NSW Treasury Corporation	16,646	16,535
These loans are due to mature as follows:		
Not later than one year	4,998	-
Later than one year but not later than two years	-	4,974
Later than two years but not later than five years	11,648	5,794
Later than five years	-	5,768
	16,646	16,535

Face Value and Capital Value of Loans

	2014	2013
	\$'000	\$'000
Face Value of Loans	17,057	17,057
Add Unamortised Premium	-	-
Less Discount	(411)	(522)
Capital Value of Loans	16,646	16,535

19. Superannuation

Taronga is liable for superannuation benefits of employees provided by OEH. All employees are entitled to superannuation benefits under one of the superannuation schemes, namely First State Superannuation Scheme (FSS), State Authorities Non-Contributory Superannuation (SANCS) Scheme, State Authorities Superannuation Scheme (SASS), and State Superannuation Scheme (SSS). All funds are administered by the Superannuation Administration Corporation trading as Pillar Administration.

The superannuation schemes SSS, SASS and SANCS are all defined benefit schemes; at least a component of the final benefit is derived from a multiple of member salary and years of membership. All three schemes are closed to new members. Employees who are not members of an associated scheme and were covered by the State Authorities Non-Contributory Scheme (Basic Benefit) are automatically transferred into FSS. Employees also have the choice of using other superannuation schemes and some have opted to do so.

(a) Defined Benefit Plans

i. Nature of the benefits provided by the fund

The Pooled Fund holds in trust the investments of the closed NSW public sector superannuation schemes:

- State Authorities Superannuation Scheme (SASS)
- State Superannuation Scheme (SSS)
- Police Superannuation Scheme (PSS)
- State Authorities Non-contributory Superannuation Scheme (SANCS).

These schemes are all defined benefit schemes – at least a component of the final benefit is derived from a multiple of member salary and years of membership. Members receive lump sum or pension benefits on retirement, death, disablement and withdrawal.

All the Schemes are closed to new members.

ii. Description of the regulatory framework

The schemes in the Pooled Fund are established and governed by the following NSW legislation: Superannuation Act 1916, State Authorities Superannuation Act 1987, Police Regulation (Superannuation) Act 1906, State Authorities Non-Contributory Superannuation Scheme Act 1987, and their associated regulations.

The schemes in the Pooled Fund are exempt public sector superannuation schemes under the Commonwealth Superannuation Industry (Supervision) Act 1993 (SIS). The SIS Legislation treats exempt public sector superannuation funds as complying funds for concessional taxation and superannuation guarantee purposes.

Under a Heads of Government agreement, the New South Wales Government undertakes to ensure that the Pooled Fund will conform with the principles of the Commonwealth's retirement incomes policy relating to preservation, vesting and reporting to members and that members' benefits are adequately protected.

The New South Wales Government prudentially monitors and audits the Pooled Fund and the Trustee Board activities in a manner consistent with the prudential controls of the SIS legislation.

These provisions are in addition to other legislative obligations on the Trustee Board and internal processes that monitor the Trustee Board's adherence to the principles of the Commonwealth's retirement incomes policy.

An actuarial investigation of the Pooled Fund is performed every three years. The last actuarial investigation was performed as at 30 June 2012.

iii. Description of other entities' responsibilities for the governance of the fund

The Fund's Trustee is responsible for the governance of the Fund. The Trustee has a legal obligation to act solely in the best interests of fund beneficiaries. The Trustee has the following roles:

- Administration of the fund and payment to the beneficiaries from fund assets when required in accordance with the fund rules;
- Management and investment of the fund assets; and
- Compliance with other applicable regulations.

iv. Description of risks

There are a number of risks to which the Fund exposes the Employer. The more significant risks relating to the defined benefits are:

- Investment risk - The risk that investment returns will be lower than assumed and the Employer will need to increase contributions to offset this shortfall.
- Longevity risk – The risk that pensioners live longer than assumed, increasing future pensions.
- Pension indexation risk – The risk that pensions will increase at a rate greater than assumed, increasing future pensions.
- Salary growth risk - The risk that wages or salaries (on which future benefit amounts for active members will be based) will rise more rapidly than assumed, increasing defined benefit amounts and thereby requiring additional employer contributions.
- Legislative risk - The risk is that legislative changes could be made which increase the cost of providing the defined benefits.

The defined benefit fund assets are invested with independent fund managers and have a diversified asset mix. The Fund has no significant concentration of investment risk or liquidity risk.

v. Description of significant events

There were no fund amendments, curtailments or settlements during the year.

Reconciliation of the Net Defined Benefit Liability/(Asset)

	SASS Financial Year to 30 June 2014 A\$'000	SANCS Financial Year to 30 June 2014 A\$'000	SSS Financial Year to 30 June 2014 A\$'000	SASS Financial Year to 30 June 2013 A\$'000	SANCS Financial Year to 30 June 2013 A\$'000	SSS Financial Year to 30 June 2013 A\$'000
Net Defined Benefit Liability/(Asset) at start of year	326	392	4,644	1,074	497	6,838
Current service cost	205	42	45	224	48	98
Net Interest on the net defined benefit liability/(asset)	9	14	176	30	14	208
Past service cost	-	-	-	-	-	-
(Gains)/losses arising from settlements	-	-	-	-	-	-
Actual return on Fund assets less Interest income	(319)	(50)	(478)	(517)	(86)	(856)
Actuarial (gains)/losses arising from changes in demographic assumptions	0.00	0.00	0.00	(6)	1	452
Actuarial (gains)/losses arising from changes in financial assumptions	191	56	413	(274)	(89)	(1,423)
Actuarial (gains)/losses arising from liability experience	85	(114)	271	7	54	(599)
Adjustment for effect of asset ceiling	-	-	-	-	-	-
Employer contributions	(181)	(36)	(30)	(210)	(48)	(74)
Net Defined Benefit Liability/(Asset) at end of year	315	304	5,042	326	392	4,644

Reconciliation of the Fair Value of Fund Assets

	SASS Financial Year to 30 June 2014 A\$'000	SANCS Financial Year to 30 June 2014 A\$'000	SSS Financial Year to 30 June 2014 A\$'000	SASS Financial Year to 30 June 2013 A\$'000	SANCS Financial Year to 30 June 2013 A\$'000	SSS Financial Year to 30 June 2013 A\$'000
Fair value of Fund assets at beginning of the year	4,754	599	6,812	4,487	596	5,634
Interest income	174	22	252	133	17	168
Actual return on Fund assets less Interest income	319	50	478	517	86	856
Employer contributions	181	36	30	210	48	74
Contributions by participants	95	-	43	99	-	35
Benefits paid	(725)	(112)	(761)	(643)	(181)	(7)
Taxes, premiums & expenses paid	(29)	(6)	28	(49)	33	53
Transfers in	-	-	-	-	-	-
Contributions to accumulation section	-	-	-	-	-	-
Settlements	-	-	-	-	-	-
Exchange rate changes	-	-	-	-	-	-
Fair value of Fund assets at end of the year	4,770	589	6,882	4,754	599	6,812

Reconciliation of the Defined Benefit Obligation

	SASS Financial Year to 30 June 2014 A\$'000	SANCS Financial Year to 30 June 2014 A\$'000	SSS Financial Year to 30 June 2014 A\$'000	SASS Financial Year to 30 June 2013 A\$'000	SANCS Financial Year to 30 June 2013 A\$'000	SSS Financial Year to 30 June 2013 A\$'000
Present value of defined benefit obligations at beginning of the year	5,080	991	11,456	5,560	1,093	12,472
Current service cost	205	42	45	224	48	98
Interest cost	183	36	428	163	32	376
Contributions by participants	95	-	43	99	-	35
Actuarial (gains)/losses arising from changes in demographic assumptions	0.00	0.00	0.00	(6)	1	452
Actuarial (gains)/losses arising from changes in financial assumptions	191	56	413	(274)	(89)	(1,423)
Actuarial (gains)/losses arising from liability experience	85	(114)	271	7	54	(599)
Benefits paid	(725)	(112)	(761)	(643)	(181)	(7)
Taxes, premiums & expenses paid	(29)	(6)	28	(49)	33	53
Transfers in	-	-	-	-	-	-
Contributions to accumulation section	-	-	-	-	-	-
Past service cost	-	-	-	-	-	-
Settlements	-	-	-	-	-	-
Exchange rate changes	-	-	-	-	-	-
Present value of defined benefit obligations at end of the year	5,085	893	11,923	5,080	991	11,456

Reconciliation of the effect of the Asset Ceiling

	SASS Financial Year to 30 June 2014 A\$'000	SANCS Financial Year to 30 June 2014 A\$'000	SSS Financial Year to 30 June 2014 A\$'000	SASS Financial Year to 30 June 2013 A\$'000	SANCS Financial Year to 30 June 2013 A\$'000	SSS Financial Year to 30 June 2013 A\$'000
<i>Adjustment for effect of asset ceiling at beginning of the year</i>	-	-	-	-	-	-
Change in the effect of asset ceiling	-	-	-	-	-	-
<i>Adjustment for effect of asset ceiling at end of the year</i>	-	-	-	-	-	-

Fair value of Fund assets

All Pooled Fund assets are invested by STC at arm's length through independent fund managers, assets are not separately invested for each entity and it is not possible or appropriate to disaggregate and attribute fund assets to individual entities. **As such, the disclosures below relate to total assets of the Pooled Fund.**

As at 30 June 2014

Asset category	Total (A\$'000)	Quoted prices in active markets for identical assets	Significant observable inputs Level 2	Unobservable inputs Level 3
		Level 1 (A\$'000)	(A\$'000)	(A\$'000)
Short Term Securities	2,452,755	1,572,615	880,140	-
Australian Fixed Interest	2,365,014	10,928	2,354,086	-
International Fixed Interest	880,529	-	880,529	-
Australian Equities	11,738,636	11,494,549	241,423	2,664
International Equities	10,953,329	8,172,677	2,780,531	121
Property	3,272,986	894,113	692,296	1,686,577
Alternatives	6,329,410	565,401	4,897,152	866,857
Total*	37,992,659	22,710,283	12,726,157	2,556,219

The percentage invested in each asset class at the reporting date is:

As at	30-Jun-14	30-Jun-13
Short Term Securities	6.5%	-
Australian Fixed Interest	6.2%	6.9%
International Fixed Interest	2.3%	2.2%
Australian Equities	30.9%	30.4%
International Equities	28.8%	26.1%
Property	8.6%	8.3%
Cash	-	13.1%
Other	-	13.0%
Alternatives	16.7%	-
Total	100.0%	100.0%

*Additional to the assets disclosed above, at 30 June 2014 Pooled Fund has provisions for receivables/(payables) estimated to be around \$2.2 billion, giving an estimated assets totalling around \$40.2 billion.

Level 1 - quoted prices in active markets for identical assets or liabilities. The assets in these levels are listed shares; listed unit trusts.

Level 2 - inputs other than quoted prices observable for the asset or liability either directly or indirectly. The assets in this level are cash; notes; government, semi-government and corporate bonds; unlisted trusts containing where quoted prices are available in active markets for identical assets or liabilities.

Level 3 - inputs for the asset or liability that are not based on observable market data. The assets in this level are unlisted property; unlisted shares; unlisted infrastructure; distressed debt; hedge funds.

Derivatives, including futures and options, can be used by investment managers. However, each manager's investment mandate clearly states that derivatives may only be used to facilitate efficient cash flow management or to hedge the portfolio against market movements and cannot be used for speculative purposes or gearing of the investment portfolio. As such managers make limited use of derivatives.

Fair value of entity's own financial instruments

The fair value of the Pooled Fund assets includes as at 30 June 2014 of \$173.9 million in NSW government bonds.

Significant Actuarial Assumptions at the Reporting Date

As at	30-Jun-14	30-Jun-13
Discount rate	3.57% pa	3.80% pa
Salary increase rate (excluding promotional increases)	2.27% pa to 30 June 2015, then 2.5% pa to 30 June 2018, 3.0% pa from 1 July 2018 to 30 June 2023, and 3.5% pa thereafter	2.25% for 2013/2014 (2.95% for PSS); 2.25% pa for 2014/2015; 2.00% pa for 2015/2016 to 2019/2020; 2.50% pa thereafter
Rate of CPI increase	2.5% pa	2.50% pa
Pensioner mortality	Pooled Fund	Pooled Fund

Sensitivity Analysis

The entity's total defined benefit obligation as at 30 June 2014 under several scenarios is presented below.

Scenarios A to F relate to sensitivity of the total defined benefit obligation to economic assumptions, and scenarios G and H relate to sensitivity to demographic assumptions.

	Base Case	Scenario A -1.0% discount rate	Scenario B +1.0% discount rate
Discount rate	3.57%	2.57%	4.57%
Rate of CPI increase	as above	as above	as above
Salary inflation rate	as above	as above	as above
Defined benefit obligation (A\$'000)	17,901	20,181	16,025

	Base Case	Scenario C +0.5% rate of CPI increase	Scenario D -0.5% rate of CPI increase
Discount rate	as above	as above	as above
Rate of CPI increase	2.5%	3.0%	2.0%
Salary inflation rate	as above	as above	as above
Defined benefit obligation (A\$'000)	17,901	18,807	17,075

	Base Case	Scenario E +0.5% salary increase rate	Scenario F -0.5% salary increase rate
Discount rate	as above	as above	as above
Rate of CPI increase	as above	as above	as above
Salary inflation rate	as above	above rates plus 0.5% pa	above rates less 0.5% pa
Defined benefit obligation (A\$'000)	17,901	18,088	17,723

	Base Case	Scenario G	Scenario H
		+5% pensioner mortality rates	-5% pensioner mortality rates
Defined benefit obligation (A\$'000)	17,901	17,755	18,056

The defined benefit obligation has been recalculated by changing the assumptions as outlined above, whilst retaining all other assumptions.

Asset-Liability matching strategies

The Trustee monitors its asset-liability risk continuously in setting its investment strategy. It also monitors cash flows to manage liquidity requirements.

Funding arrangements

Funding arrangements are reviewed at least every three years following the release of the triennial actuarial review and was last reviewed following completion of the triennial review as at 30 June 2012. Contribution rates are set after discussions between the employer, STC and NSW Treasury.

Funding positions are reviewed annually and funding arrangements may be adjusted as required after each annual review.

Surplus/deficit

The following is a summary of the 30 June 2014 financial position of the Fund calculated in accordance with AAS 25 "Financial Reporting by Superannuation Plans":

	SASS 30-Jun-14 A\$'000	SANCS 30-Jun-14 A\$'000	SSS 30-Jun-14 A\$'000	SASS 30-Jun-13 A\$'000	SANCS 30-Jun-13 A\$'000	SSS 30-Jun-13 A\$'000
Accrued benefits	4,505	693	6,600	4,591	791	6,475
Net market value of Fund assets	(4,770)	(589)	(6,882)	(4,754)	(599)	(6,812)
<i>Net (surplus)/deficit</i>	(264)	105	(282)	(163)	191	(337)

Contribution recommendations

Recommended contribution rates for the entity are:

	2014	2014	2014	2013	2013	2013
	SASS multiple of member contributions	SANCS % member salary	SSS multiple of member contributions	SASS multiple of member contributions	SANCS % member salary	SSS multiple of member contributions
	1.9	2.5	1.6	1.9	2.5	1.6

Economic assumptions

The economic assumptions adopted for the 30 June 2012 actuarial investigation of the Pooled Fund are:

Weighted-Average Assumptions	
Expected rate of return on Fund assets backing current pension liabilities	8.3% pa
Expected rate of return on Fund assets backing other liabilities	7.3% pa
Expected salary increase rate (excluding promotional salary increases)	SASS, SANCS, SSS 2.7% pa (PSS 3.5% pa) to 30 June 2018, then 4.0% pa thereafter
Expected rate of CPI increase	2.5% pa

Expected contributions

	SASS Financial Year to 30 June 2015 A\$'000	SANCS Financial Year to 30 June 2015 A\$'000	SSS Financial Year to 30 June 2015 A\$'000	SASS Financial Year to 30 June 2014 A\$'000	SANCS Financial Year to 30 June 2014 A\$'000	SSS Financial Year to 30 June 2014 A\$'000
Expected employer contributions	181	39	69	188	41	55

Maturity profile of defined benefit obligation

The weighted average duration of the defined benefit obligation is 12.1 years.

20. Restriction on Revenue - Taronga Foundation

Taronga received certain amounts into the Taronga Foundation for specific purposes. As required by the Australian Accounting Standards, amounts have been recognised as revenues in the Income Statement which are yet to be spent in the manner specified. Unexpended amounts totalling \$9,514,000 (\$10,848,000 in 2012/2013) have been included in Accumulated Funds as at 30 June 2014. The unexpended restricted funds are held separately from Taronga's unrestricted funds.

	Unexpended Amount	
	2014 \$'000	2013 \$'000
Taronga Foundation Program		
Capital Redevelopment Fundraising	8,379	9,308
Taronga Foundation Recurrent Projects	1,135	1,539
Total	9,514	10,848

21. Remuneration of Auditors

The Audit Office fees for auditing Taronga's financial statements were \$97,000 (\$94,500 in 2012/2013). The auditors received no other benefits.

22. Board Remuneration

Members of Taronga received reimbursement of expenses incurred in carrying out their duties as members of the Board. In addition, Board remuneration (including superannuation and payroll tax) of \$202,750 (\$191,658 in 2012/2013) was paid. This amount included Honoraria of \$33,228 (\$33,228 in 2012/2013) paid to the Chairman of the Board and \$142,764 (\$134,167 in 2012/2013) paid to the other members of the Board. The rates of remuneration were fixed and approved by the Premier's Department.

The Board honorarium remuneration brackets are displayed below together with the number of members in each bracket.

	2014	2013
\$10,000 - \$19,999	8	8
\$20,000 - \$29,999	1	1
\$30,000 - \$39,999	1	1
Board Members	10	10

23. Notes to the Cash Flow Statement

a) Reconciliation of Cash and Cash Equivalents

Cash at the end of the reporting period as shown in the statement of cash flows is reconciled to the related items in the statement of financial position as follows:

	2014 \$'000	2013 \$'000
Cash and Cash Equivalents	51,965	50,543
Total Cash	51,965	50,543

For the purpose of the statement of cash flows, Taronga considers cash to include cash on hand, in banks and investments in TCorp Hour-Glass on 24 hour call.

b) Reconciliation of Operating Surplus to Net Cash from Operating Activities:

	2014 \$'000	2013 \$'000
Operating Surplus/(Deficit)	(2,794)	3,059
Depreciation and Amortisation	18,449	17,371
Non Cash Contribution (Capital)	(1,119)	(1,265)
(Gain)/Loss on Sale of Assets	27	(247)
Amounts capitalised in prior years transferred to profit and loss	363	154
Change in Assets and Liabilities:		
(Increase)/Decrease in GST Receivable	54	(116)
(Increase)/Decrease in Accounts Receivable	(427)	507
(Increase)/Decrease in Inventories	(56)	39
Increase/(Decrease) in Creditors and Accruals	57	(461)
(Increase)/Decrease in Prepayments	30	(24)
Increase/(Decrease) in Employee Entitlements	275	(567)
(Increase)/Decrease in Prepaid Superannuation	-	-
Increase/(Decrease) in Unfunded Superannuation	299	(3,046)
Movement in Unamortised (Premium)/Discount on Loans	111	104
Net Cash Provided From Operating Activities	15,270	15,507

c) Taronga has not entered into any non cash financing or investing activities.

d) Financing Facilities

A Direct Payments facility of \$1.4m was available to Taronga and unused at 30 June 2014.

24. Reserves and Retained Surplus

	Accumulated Funds		Asset Revaluation Reserve		Available for Sale Investments Reserve		Total Equity	
	2014 \$'000	2013 \$'000	2014 \$'000	2013 \$'000	2014 \$'000	2013 \$'000	2014 \$'000	2013 \$'000
Balance at the beginning of the financial year	202,173	199,115	193,577	187,349	(759)	(871)	394,992	385,593
Surplus/(Deficit) for the period	(2,794)	3,059	-	-	-	-	(2,794)	3,059
Net increase in asset revaluation reserve for:								
• land and buildings	-	-	47,861	5,170	-	-	47,861	5,170
• infrastructure	-	-	7,705	1,059	-	-	7,705	1,059
Available for sale investments revaluation gains/(losses)	-	-	-	-	233	(13)	233	(13)
Transferred realised losses	-	-	-	-	42	125	42	125
Total	(2,794)	3,059	55,565	6,229	275	112	53,047	9,399
Balance at the end of the financial period	199,380	202,173	249,143	193,577	(483)	(759)	448,039	394,992

25. Commitments

a) Capital Expenditure Commitments

The estimated aggregate amount of contracts for capital expenditure not provided for in the accounts is \$6,677,635 (\$3,524,862 in 2013) inclusive of GST of \$607,058. These commitments relate to expenditure that will be incurred within the following twelve months.

b) Operating Lease Commitments

Future non-cancellable operating lease rentals not provided for and payable:

	2014 \$'000	2013 \$'000
Not later than one year	320	489
Later than one year and not later than five years	152	466
Later than five years	-	-
Total including GST	472	955

The major operating leases relate to motor vehicles and computer equipment.

c) GST Input Tax Credit Claimable on Commitments Amounts to \$650,004 (\$407,228 in 2013).

26. Contingent Assets and Liabilities

Taronga is not aware of any contingent assets or liabilities at 30 June 2014 (nil in 2012/2013).

27. Subsequent Events

There were no subsequent events occurring after balance date that have materially affected or may materially affect the results reported.

28. Divisional Information

	2014 Taronga Foundation	2014 Taronga & Corporate Services	2014 Taronga Western Plains	2014 Total	2013 Taronga Foundation	2013 Taronga & Corporate Services	2013 Taronga Western Plains	2013 Total
	\$'000 Actual	\$'000 Actual	\$'000 Actual	\$'000 Actual	\$'000 Actual	\$'000 Actual	\$'000 Actual	\$'000 Actual
Revenue								
Admissions	353	30,464	4,185	35,002	1,035	28,958	4,280	34,273
Trading and Franchise Revenue	-	8,196	3,546	11,743	-	7,728	3,449	11,177
Corporate Sponsorship	3,863	-	-	3,863	2,926	-	-	2,926
Government Grants	-	12,680	2,238	14,918	-	13,946	2,602	16,548
Investment Revenue	143	1,871	-	2,013	156	1,908	-	2,065
Donations and Bequests	4,084	-	-	4,084	2,442	-	-	2,442
Other Income	4,834	8,429	5,038	18,301	4,228	8,377	4,171	16,776
Gain/(Loss) on Sale of Assets	(21)	(6)	-	(27)	228	13	5	247
Total Revenue	13,255	61,634	15,007	89,896	11,017	60,931	14,506	86,453
Expenditure								
Personnel Services	1,734	32,002	9,626	43,362	1,469	27,089	8,863	37,421
Trading Cost of Sales	-	1,931	1,463	3,394	-	1,854	1,456	3,310
Marketing Expenses	1,105	1,513	369	2,987	1,420	1,575	482	3,477
Depreciation	-	15,971	2,478	18,449	-	15,014	2,357	17,371
Insurance	-	379	84	463	-	337	84	421
Maintenance	283	5,133	811	6,226	183	4,594	900	5,677
Finance Costs	-	990	89	1,080	-	983	89	1,073
Other Expenses	3,845	10,010	2,874	16,729	1,929	10,234	2,482	14,645
Total Expenditure	6,967	67,929	17,794	92,689	5,001	61,679	16,715	83,395
Surplus/(Deficit) for the Year	6,288	(6,295)	(2,787)	(2,794)	6,016	(748)	(2,209)	3,059
Total Assets	9,514	421,226	54,759	485,498	10,848	379,641	41,741	432,230
Total Liabilities	-	(33,508)	(3,951)	(37,459)	-	(33,936)	(3,302)	(37,238)

*The funds raised by the Foundation for the period ended 30 June 2014 amounted to \$13,255,000 (\$11,017,000 in 2012/13). Total Foundation expenditure includes expenditure on conservation research and education projects of \$2,229,000 as of 30 June 2014 (\$1,404,000 in 2012/13).

End of Audited Financial Statements

Operating budget performance

	Actual 13/14 \$'000	Budget 13/14 \$'000	Budget 14/15 \$'000
Admissions	35,002	34,794	35,135
Trading and franchise revenue	11,743	11,647	11,949
Corporate sponsorship	3,863	5,500	3,657
Government grants	14,918	14,918	14,662
Investment revenue	2,013	1,535	1,535
Donations and bequests	4,084	2,437	3,552
Other income	18,301	15,340	16,644
Profit on sale of assets	(27)	0	0
Total Revenue	89,896	86,171	87,135
Employee Benefits expense	43,362	43,914	45,918
Trading cost of sales	3,394	3,333	3,332
Marketing expenses	2,987	2,206	2,757
Depreciation and amortisation	18,449	17,444	17,803
Insurance	463	489	485
Maintenance	6,226	6,304	6,097
Finance costs	1,080	1,140	1,140
Other expenses	16,729	17,350	15,872
Total Operating Expenditure	92,690	92,181	93,403
OPERATING SURPLUS/(DEFICIT)	(2,794)	(6,010)	(6,269)

Payable analysis data

Aged payables analysis by quarter	Current	31-60	61-90	91+	Total
– September quarter	1,151,083	53,611	52,322	19,758	1,276,774
– December quarter	2,287,145	153,341	20,118	23,060	2,483,664
– March quarter	1,884,525	58,468	25,836	35,825	2,004,655
– June quarter	2,258,855	20,699	16,390	(18,023)	2,277,921

Accounts Paid on time by quarter	Target	Actual	Total paid	Paid on time
– September quarter	100 %	88 %	33,807,033	32,894,566
– December quarter	100 %	86 %	28,309,770	27,365,125
– March quarter	100 %	80 %	23,909,604	22,202,583
– June quarter	100 %	83 %	31,171,123	29,324,188

Average days taken to process accounts in September quarter	25
Average days taken to process accounts in December quarter	27
Average days taken to process accounts in March quarter	30
Average days taken to process accounts in June quarter	29
Average days taken to process accounts in 2014	28

No interest has been paid on overdue accounts in the 2013/14 year.

Reasons for accounts not been paid on time

Taronga aims to meet vendor payment terms. Measurement of accounts being paid on time is based on 30 days from invoice date. In some cases vendors request payment 30 days from the end of the month after the invoice is raised. There are also instances of accounts being in dispute, necessitating withholding of payment until resolution of that dispute

Investment performance

Taronga invests surplus funds in the NSW Treasury Corporation Hour-Glass Investment Cash Facility and with the ANZ bank, NAB or Westpac bank. For the year ended 30 June 2014 these facilities combined had an annual compound rate of return of 3.77 %. The Hour-Glass benchmark interest rate for the 12 months to 30 June 2014 was 3.0 %

Land disposal

Pursuant to clause 4(1) of the *Annual Reports (Statutory Bodies) Regulation 1985*, Taronga declares that no property was disposed of during the year ended 30 June 2014.

Asset and capital

2013/14 Capital Expenditure	Taronga	TWPZ	Total
Capital expenditure	\$5,631,674	\$7,267,029	\$12,898,703
	\$5,631,674	\$7,267,029	\$12,898,703

Major Capital Projects 2013/14	Expenditure 2013/14	Costs to complete	Expected Completion date
Taronga			
Lemur Forest Adventure	\$1,937,500	\$0	Complete
Taronga Zoo Theatre Development	\$331,000	\$8,369,000	2015-16
Carnivore Precinct Redevelopment	\$101,000	\$11,199,000	2015-16
Taronga Western Plains			
Savannah Cabins	\$3,178,000	\$622,000	2014-15
TWPZ Elephant Exhibit	\$1,355,000	\$2,945,000	2014-15
Zoofari Tents Development	\$2,157,164	\$0	Complete

2013/14 Maintenance Grant Expenditure	Taronga	TWPZ	Total
Total expenditure	\$3,280,018	\$596,001	\$3,876,019

Major Maintenance Projects 2013/14	Expenditure 2013/14	Costs to complete	Expected Completion date
Taronga			
Birdshow exhibit maintenance	\$112,455	\$0	Complete
GSO Habitat pool maintenance	\$59,655	\$0	Complete
Taronga Western Plains			
Savannah exhibit holding yards maintenance	\$33,000	\$0	Complete
Black Rhino holding yard maintenance	\$24,500	\$0	Complete



APPENDICES



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APPENDIX 1

Functions of the Taronga Conservation Society Australia

The main functions of the Board of the Taronga Conservation Society Australia are specified in Section 15 of the *Zoological Parks Board Act 1973*, which provides as follows:

15(1) The Board may establish, maintain and control (Taronga) for the following purposes:

- a) carrying out research and breeding programs for the preservation of endangered species;
- b) carrying out research programs for the conservation and management of other species;
- c) conducting public education and awareness programs about species conservation and management; and
- d) displaying animals for educational, cultural and recreational purposes.

15(2) The Board may also maintain and control:

- a) the zoological park established before the commencement of the Act on the land described in Schedules 3 and 4 under the name 'Taronga Zoological Park'; and
- b) Other zoological parks on land or premises vested in or held by the Board, whether or not those parks were established by the Board, for the purposes referred to in this section.

15(3) The Board:

- a) may cooperate with, and provide funds and other assistance to, such scientific and other institutions, governments and other bodies and individuals as the Board may determine in connection with species conservation and management for other scientific and zoological purposes; and

b) may investigate and carry out research into:

- 1) the design of, and equipment and procedures in zoological parks; and
- 2) the care and well-being of animals kept in zoological parks are maintained and controlled by the Board; and

c) may provide educational services for the public (whether in the nature of lectures, broadcasts, films, publications or otherwise) about species conservation and management, zoological parks and the biology of animals and;

d) may provide and charge for such services in connection with zoological parks maintained and controlled by the Board as the Board may determine; and

e) may make recommendations or reports to the Minister with respect to matters connected with the Board's power, authorities, duties, functions or the administration of this Act.

15(4) The Minister may request the Board to make recommendations or reports to the Minister with respect to matters connected with the Board's powers, authorities, duties and functions or the administration of this Act and the Board is to comply with any such request.

15(5) The Board may exercise and perform such other powers, authorities, duties and functions as may be conferred or imposed on the Board or under this or any other Act.

APPENDIX 2

Privacy Management

In accordance with section 33 of the *Privacy and Personal Information Act 1988*, Taronga has produced a Privacy Management Plan, a Security of Personal Information Policy and an Internet Privacy Policy. Taronga's Internet Privacy Policy can be viewed on our website, www.taronga.org.au/about-us/privacy-policy

The Privacy Management Plan and Security of Personal Information Policy identify:

- Collections of personal information held by Taronga;
- Obligations of employees in respect of personal information;

- Guiding principles for the collection, storage and dissemination of personal information and

- Procedures for lodging complaints or internal reviews.

For a copy of Taronga's Privacy Management Plan and Security of Personal Information Policy, please contact:

**Administration Assistant
Corporate Services
Taronga Conservation Society Australia
PO Box 20 Mosman NSW 2088
T: 02 9978 4709**

APPENDIX 3

Conservation Programs and Population Management Programs

Species	Held at TZ	Held at TWPZ	Coordinator
Addax		X	J Gillespie ^e
African Lion	X	X	L Ginman ^a
African Wild Dog		X	D Noble
Asian Elephant	X	X	K Tanner
Australian Little Penguin	X		N Boyle ^a
Black-and-white Ruffed Lemur		X	S Barlow
Black-handed Spider-monkey	X	X	L Grossfeldt ^f
Black-winged Stilt	X		V Wilson
Bongo	X	X	N Dunn ^a
Broad-headed Snake	X		D Gilbert
Brolga	X		C Srb
Brush-tailed Rock-wallaby	X		P Andrew ^a
Cheetah		X	S Eyre
Chimpanzee	X		M Finnigan
Cook Strait Tuatara	X		S Eyre
Corroboree Frog	X		M McFadden ^a
Cotton-Top Tamarin	X		A Embury
Eastern Whipbird	X		M Tantini ^f
Eland		X	J Gillespie ^e
Fijian Crested Iguana	X		J Gillespie ^e
Ghost Bat	X		J Hollamby
Giraffe	X	X	L Jolly
Goodfellow's Tree-kangaroo	X		M Richardson
Greater Bilby	X		J Buchecker
Helmeted Honeyeater	X		K Cartwright
Hippopotamus		X	T Joustra
Meerkat	X	X	S Eyre
Noisy Pitta	X		E Schmelitschek ^f
New Zealand Fur-seal	X		C Coers
Orange-bellied Parrot	X		J Hockley
Plains Zebra	X	X	L Jolly
Przewalski's Horse		X	N Boyle ^a
Pygmy Hippopotamus	X		R Moss ^a
Quokka	X	X	B Turner
Red Panda	X		C Hibbard
Regent Bowerbird	X		M Shiels ^a
Regent Honeyeater	X		J Gillespie ^e
Ring-tailed Lemur	X	X	M Tyler
Rose-crowned Fruit-dove	X		N Atchison ^a
Royal Spoonbill	X		C Carter
Sacred Kingfisher	X		C Srb
Scimitar Oryx		X	D Burgoyne

Species	Held at TZ	Held at TWPZ	Coordinator
Siamang		X	T Joustra
Small-clawed Otter	X	X	T Joustra
Snow Leopard	X		C Hibbard
Southern Cassowary	X		J Biggs
Southern Hairy-nosed Wombat	X		G Skipper
Spot-tailed Quoll	X		M Johnson
Squirrel Glider	X		S Brice
Sumatran Tiger	X	X	C Hibbard
Tasmanian Devil	X	X	C Hogg
Waterbuck		X	P Skewes
Western Lowland Gorilla	X		E Walraven / L Grossfeldt
White Rhinoceros		X	S Kudeweh
White-browed Woodswallow	X		V Wilson
White-cheeked Gibbon	X		H Thompson
Yellow-bellied Glider	X		W Gleen

APPENDIX 4

Animal transactions relating to Conservation Programs and Population Management Programs

Animals transferred from Taronga Conservation Society Australia

Gender convention	Species type	Name of place transferred to
0.0.10	Corroboree Frog	Healesville Sanctuary VIC
2.0.0	Noisy Pitta	Featherdale Wildlife Park NSW
2.1.0	Yellow-bellied Glider	Moonlit Sanctuary VIC
0.1.0	Regent Honeyeater	Adelaide Zoo SA
1.0.0	Eastern Whipbird	Dreamworld QLD
1.0.1	Regent Honeyeater	Moonlit Sanctuary VIC
1.0.0	Eastern Whipbird	Moonlit Sanctuary VIC
0.0.8	Corroboree Frog	Wirraminna Environmental Centre NSW
1.0.0	Sacred Kingfisher	Australian Reptile Park NSW
0.1.0	Regent Bowerbird	Australian Reptile Park NSW
2.3.0	Western Lowland Gorilla	Mogo Zoo NSW
1.0.0	White-browed Woodswallow	Healesville Sanctuary VIC
0.1.0	Eastern Whipbird	Healesville Sanctuary VIC
0.1.0	Western Lowland Gorilla	Melbourne Zoo VIC
1.0.0	Black-winged Stilt	Cleland Wildlife Park SA
0.1.0	Regent Honeyeater	Cleland Wildlife Park SA
0.1.0	Regent Honeyeater	Healesville Sanctuary VIC
2.1.0	Cotton-top Tamarin	Cairns Tropical Zoo QLD
0.2.0	Australian Little Penguin	Manly Sea Life Sanctuary NSW
0.0.1	Yellow-bellied Glider	Currumbin Sanctuary QLD
0.1.0	Greater Bilby	Australian Walkabout Wildlife Park NSW
1.0.0	Noisy Pitta	Australian Reptile Park NSW
2.0.0	Australian Little Penguin	National Zoo and Aquarium ACT

Gender convention	Species type	Name of place transferred to
0.2.0	Meerkat	Altina Wildlife Park NSW
0.1.0	Bongo	Singapore Zoo SINGAPORE
0.1.0	Francois' Leaf-monkey	Howletts Wild Animal Park UK
1.0.0	Southern Hairy-nosed Wombat	Moonlit Sanctuary VIC
1.0.0	Quokka	Gorge Wildlife Park SA
1.0.0	Rose-crowned Fruit-dove	Currumbin Wildlife Sanctuary
1.1.0	White-browed Woodswallow	Currumbin Wildlife Sanctuary
1.1.0	Brush-tailed Rock-wallaby	Waterfall Springs NSW
1.0.0	Giraffe	Orana Wildlife Park NZ
1.1.0	African Wild Dog	Monarto Zoo SA
3.1.0	Tasmanian Devil	San Diego Zoo USA
0.0.97	Southern Corroboree Frog eggs	Amphibian Research Centre, Victoria

Animals transferred to Taronga Conservation Society Australia

Gender convention	Species type	Name of place transferred from
0.1.0	Fijian Crested Iguana	Melbourne Zoo VIC
0.1.0	Regent Honeyeater	Adelaide Zoo SA
0.2.0	Eastern Whipbird	Adelaide Zoo SA
0.1.0	Squirrel Glider	Perth Zoo WA
0.2.0	Western Lowland Gorilla	Melbourne Zoo VIC
0.0.1	Australian Little Penguin	Wild (rehab)
3.0.0	Orange-bellied Parrot	Adelaide Zoo SA
0.1.0	Tasmanian Devil	Australian Reptile Park NSW
4.0.0	Orange-bellied Parrot	Healesville Sanctuary VIC
1.0.0	Orange-bellied Parrot	Melbourne Zoo VIC
1.0.0	Tasmanian Devil	Healesville Sanctuary VIC
0.1.0	Greater Bilby	Monarto Zoo SA
1.1.0	Sacred Kingfisher	Wild (rehab)
0.1.0	Yellow-bellied Glider	Wild (rehab)
1.0.0	Eastern Whipbird	Wild (rehab)
0.1.0	Squirrel Glider	Wild (rehab)
4.0.0	Cotton-top Tamarin	Mogo Zoo NSW
1.0.0	Regent Honeyeater	Adelaide Zoo SA
1.0.0	Black-handed Spider-monkey	Alma Park Zoo QLD
8.0.0	African Wild Dog	Monarto Zoo SA
1.0.0	White Rhinoceros	Monarto Zoo SA
2.4.0	Addax	Private (Kevin Gleeson) NT
1.4.0	Scimitar Oryx	Private (Kevin Gleeson) NT
0.1.0	Giraffe	Perth Zoo WA
1.0.0	Plains Zebra	Hamilton Zoo NZ
1.2.0	Tasmanian Devil	Australian Reptile Park NSW
1.4.0	Tasmanian Devil	Devil Ark NSW
0.1.0	African Lion	Kingdom of the White Lion SOUTH AFRICA
1.1.0	Black-handed Spider-monkey	Parc Animalier d'Auvergne, FRANCE

APPENDIX 5

Research projects and conservation programs

AEC no. if applicable	Project title	Researchers	Institution	Source of funds
	An empirical assessment of whale alarms and avoidance, or not, by migrating Humpback Whales	Dr D Slip Prof R. Harcourt	Taronga, Macquarie University, NSW National Parks and Wildlife Service	Taronga Conservation Science Initiative, Australian Marine Mammal Centre
	Assessment of the long-term impact of oil spill on seabird population health: Pelican and Ibis Health Studies	G Ross Dr K Rose Ms J Hall	NSW Office of Environment and Heritage	Taronga, OEH
(4b/05/10)	Assessment of reptile and mammal disease prevalence on Christmas Island	Dr K Rose	Christmas Island National Park, Taronga	Australian Government, Christmas Island National Park
	Babesia spp. Associated with morbidity in eastern grey kangaroos (<i>Macropodis giganteus</i>) from eastern New South Wales and southeast Queensland	L Donahoe C Peacock Y Choo P O'Donoghue A Hyatt S Crimeri M Sriyastava L Vogelnest A Gordon K Rose	Murdoch University, NSW Department of Primary Industries, CSIRO's Australian Animal Health Labs, Biosecurity QLD	Taronga
	Captive breeding program for Christmas Island lizards, the Blue-tailed Skink and Lister's Gecko	Dr P Harlow Mr P Andrew Ms L Cavanagh	Parks Australia, Taronga	Parks Australia
	Contaminants in Marine Turtles	Dr D Hardesty M Puckeridge	CSIRO	OEH, CSIRO
	Corroboree Frog Recovery Program	Dr D Hunter Mr M McFadden Dr P Harlow Ms R Hobbs Mr G Marantelli	NSW Office of Environment and Heritage, Taronga, Zoos Victoria, Amphibian Research Centre	NSW Office of Environment and Heritage, Taronga
	Epizootics of sudden death in Tammar Wallabies (<i>Macropus eugenii</i>) associated with an orbivirus infection	Dr K Rose Dr P Kirkland Dr R Davis Dr D Coper Dr D Blumstein Dr L Pritchard Dr K Newberry Dr R Lunt	Taronga, CSIRO - Australian Animal Health Laboratory	Taronga
	Factors influencing reintroduction success and population persistence in the endangered Alpine Tree Frog	Ms L Brannelly Dr L Skerratt Dr L Berger Mr M McFadden Dr P Harlow Dr D Hunter	James Cook University, Taronga, NSW Office of Environment and Heritage	Australian Research Council Linkage Grant, James Cook University
	Marine predators, marine parks and marine hotspots	Dr D Slip Prof R. Harcourt	Taronga, Macquarie University, NSW Office of Environment and Heritage, NSW Marine Parks Authority, NSW National Parks and Wildlife Service	Australian Research Council Linkage Grant, Macquarie University, Taronga Conservation Science Initiative
	Monitoring of the Jenolan Caves captive and remnant population of the Brush-tailed Rock-wallaby	Dr L Vogelnest	Taronga Wildlife Hospital, NSW Office of Environment and Heritage	Taronga

AEC no. if applicable	Project title	Researchers	Institution	Source of funds
	The return of the native: reintroductions, reinvasions, and a new paradigm in restoration ecology	A/Prof P Banks Prof C Dickman Ms W Gleen Dr G Cleary	Taronga, University of New South Wales, Australian Wildlife Conservancy, NSW Office of Environment and Heritage, Landcare Research	Australian Research Council
	Yellow-spotted Bell Frog Captive Husbandry Project	Mr M McFadden Dr P Harlow Dr D Hunter	NSW Office of Environment and Heritage, Taronga	NSW Office of Environment and Heritage, Taronga
	Fur seals: habitat preferences and human interaction	Dr D Slip Prof R Harcourt	Taronga, Macquarie University, NSW Marine Parks Authority	Australian Marine Mammal Centre
	Evaluating the effectiveness of wildlife corridors in the Gosford region	Dr J Wiszniewski Lisa Ford	Taronga, Gosford City Council	Gosford City Council, Taronga Conservation Science Initiative
	Satellite telemetry of Australian juvenile Loggerhead Turtles (<i>Caretta caretta</i>) in the South Pacific Ocean	Dr K Vinette-Herrin L Hall G Ross	Taronga NSW National Parks	Taronga, Woolworths, NSW OEH
	Long-nosed Potoroo Health Assessment and Translocation	Dr K Rose Dr P Kirkland Dr R Davis Dr D Coper Dr D Blumstein Dr Tim Portas	Taronga, Booderee National Park	NSW National Parks
	Disease Investigation - Eastern Grey Kangaroo Mass Mortality	Dr K Rose	RSPCA, Hunter Health, NSW OEH, DPI, Australian Wildlife Health Network State Coordinators, Murdoch, Western Australia and Sydney Universities, Elizabeth Macarthur Institute, NSW EPA, PaLMS (Westmead Hospital)	Taronga, Hunter Health
	Banded Iguana (<i>Brachylophus</i> sp.) Species Assessment of the North Eastern Fijian Islands	Dr P. Harlow Dr R. Fisher Mr J. Niukula	Taronga United States Geographical Survey National Trust of Fiji	Taronga, International Iguana Foundation, National Trust of Fiji Islands
140203/01 140407/05 4c/12/13	Corroboree Frog Recovery Program	Dr D. Hunter Mr M .McFadden Dr P. Harlow Ms R. Hobbs Mr G. Marantelli	Taronga, NSW OEH, Zoos Victoria, ARC	Taronga, NSW OEH
4c/12/13	Yellow-spotted Bell Frog Captive Husbandry Project	Dr D. Hunter Mr M .McFadden Dr P. Harlow	Taronga, NSW OEH	Taronga, NSW OEH
	Implementation of the IUCN Fijian Crested Iguana Recovery Plan.	Ms E Erasito Mr J Niukula Dr P Harlow	National Trust of Fiji, Taronga	Critical Ecosystems Partnership Fund, National Trust of Fiji
	Eradication of Feral Green Iguanas from Fiji	Dr P Harlow N Thomas	Fiji Dept. Biosecurity, NatureFiji-MareqetiViti, Taronga	Critical Ecosystems Partnership Fund, Fiji Dept. of Environment
	Population Assessments and Conservation Genetics of Fijian Iguanas.	Dr P Harlow	Taronga, The National Trust for Fiji, NatureFiji-MareqetiViti, US Geological Survey.	Taronga, International Iguana Foundation and US Geological Survey.
4c/12/13	Assisted Reproductive Technology for captive breeding of frogs	Dr P Harlow	Taronga, University of Wollongong	
4c/12/13	Southern Corroboree Frog Captive Breeding and Re-introduction	Dr P Harlow	Taronga, NSW OEH, Zoos Victoria, Amphibian Research Centre	
4c/12/13	Northern Corroboree Frog Captive Breeding and Re-introduction	Dr P Harlow	Taronga, NSW OEH, Australian National University	

AEC no. if applicable	Project title	Researchers	Institution	Source of funds
4c/12/13	The role of sloughing frequency in the susceptibility of amphibians to chytridiomycosis	Dr P Harlow	Taronga, University of Queensland	
4c/01/10	Evolution of Resistance: Is there evidence of increased susceptibility to Chytridiomycosis in Naïve Populations of <i>Crinia signifera</i> and <i>Litoria verreauxii alpina</i>	Dr S. Cashins Dr L. Skerratt Dr P. Harlow Mr M. McFadden	Taronga, James Cook University	Taronga, Australian Biosecurity CRC for Emerging Infectious Disease, James Cook University
4c/12/13	Basic husbandry of conservation program amphibians prior to reintroduction	Mr M. McFadden	Taronga	
A1880	Evolution of Resistance: Susceptibility to Bd in <i>Litoria verreauxii alpina</i>	Ms L. Brannelly Dr. L. Skerratt Dr D. Hunter Dr P. Harlow Mr M. McFadden	James Cook University, NSW OEH, Taronga	James Cook University, NSW OEH, Taronga
	Captive breeding program for Christmas Island lizards, the Blue-tailed Skink and Lister's Gecko	Dr P. Harlow Mr P. Andrew Ms L. Cavanagh	Parks Australia, Taronga	Parks Australia
	Captive Breeding Program for Monuriki Is. Crested Iguana (at Kula Eco Park, Fiji)	Dr P. Harlow Mr R. Chand	Kula Eco Park, Fiji	Kula Eco Park, Critical Ecosystems Partnership Fund, The Dutch Iguana Foundation
4c/03/10	Leopard Seal nutrition mapping project	A/Prof T Rogers Dr D Slip	Taronga, University of NSW, Instituto Antártico Argentina	ARC Linkage Grant, University of NSW, Taronga Conservation Society Australia
	Great Barrier Reef recovery initiative	Dr R Spindler Dr M Hagedorn Dr A Heyward Dr D MacFarlane Dr M van Oppen Dr R Hobbs	Taronga, Australian Institute of Marine Science, Smithsonian Institute, Monash University	Taronga, Great Barrier Reef Foundation, Smithsonian Institution, Albert George and Nancy Caroline Youngman Trust, managed by Equity Trustees.
4b/01/11	Vocal learning in Leopard Seals	A/Prof T Rogers Dr D Slip	Taronga, UNSW	
	National Avian Influenza Wild Bird Surveillance Program	Dr T Grillo	Australian Wildlife Health Network	DAFF
	Social networks of Port Jackson sharks	Mr N Bass A/Prof C Brown Dr J Wiszniewski	Macquarie University, Taronga	Sea World Research and Rescue Foundation, Taronga, Macquarie University
	An assessment of the incorporation of information from dog health programs in rural and remote indigenous communities into the National Wildlife Health Information System	Dr K Cox-Witton	Australian Wildlife Health Network	
	Zoo-based Wildlife Disease Surveillance Pilot Project	Dr A Cameron	Australian Wildlife Health Network, AusVet Animal Health Services	Australian Centre of Excellence for Risk Analysis (ACERCA), Department of Agriculture, Fisheries and Forestry (DAFF)

AEC no. if applicable	Project title	Researchers	Institution	Source of funds
	Is Disease Driving the Extinction of the Christmas Island Flying Fox (CIFF): Christmas Island Flying Fox Health, Ecology and Conservation	Prof E Holmes Dr D Phalen Mr M Misso Ms S Flakus Dr D Spratt Dr G Cramer Dr D Westcott Dr J Welbergen Dr J Martin Dr K Rose Ms J Hall	Taronga, Christmas Island National Park, University of Sydney, CSIRO, University of Western Sydney, Royal Botanic Gardens Sydney	Taronga, Christmas Island National Park, University of Western Sydney
	Wild Bird Surveillance Analysis Project	Dr T Grillo	Australian Wildlife Health Network	DAFF
5a/09/09	Respiratory physiology of the Leopard Seal	Dr D Slip	Taronga, UNSW	Taronga, UNSW
4b/07/10	Growth rate of Tasmanian Devil whiskers using stable isotopes	Ms M Attard	UNSW	UNSW
4a/09/10	The role of major histocompatibility complex (MHC) in mate choice and breeding success of Tasmanian Devils	Dr R Spindler Dr K Belov	Taronga USYD	Morris Animal Foundation, Taronga USYD
4b/10/13	Investigation into the absorption and metabolism of xenobiotics by the Doala	Dr M Govendir	USYD	The Herman Slade Foundation, USYD
	Social Analysis of the AWHN Digest Readership	T Grillo	Australian Wildlife Health Network, Australian Bureau of Agricultural and Resource Economics and Sciences	Wildlife Exotic Disease Preparedness Program (WEDPP)
	ARC Centre of Excellence in Microbial Diversity, Evolution and Control	Professor Edward Holmes	Taronga, University of Sydney, Murdoch University, University of Sydney, University of Melbourne, Griffith University, Macquarie University, University of Queensland, Princeton University (USA), Pennsylvania State University (USA), University of Auckland (NZ), CSIRO and Duke University-National University of Singapore	
4c/12/12	Learning to sing: ensuring the survival of the endangered Regent Honeyeater by studying the communication	K-L Smith	Macquarie University	Macquarie University
4c/03/11	Sustainable fish source feed trials for Marine Mammals	Mr E Bombonato	Taronga	Taronga
	Eastern Grey Kangaroo Babesia characterization	Dr K Rose Ms J Hall Assoc Prof C Peacock Dr P Irwin	Taronga, RSPCA, Hunter Health, NSW OEH, DPI, Australian Wildlife Health Network State Coordinators, Murdoch, Western Australia and Sydney Universities, Elizabeth Macarthur Institute, NSW EPA, Local Land Services, PaLMS (Westmead Hospital)	Taronga: Some cost recovery obtained from National Significant Disease Investigation (NSDI) funding.

AEC no. if applicable	Project title	Researchers	Institution	Source of funds
	Foot and Mouth Disease Wild Animal Project	R Woods	Australian Wildlife Health Network	Department of Agriculture, Fisheries and Forestry (DAFF)
	National Marine Mammal Health Fund Program	R Woods	Australian Wildlife Health Network, Sydney University	
	Validation of positive welfare indices in zoo animals	V Melfi	Taronga	
	Physiological validation of an assay for faecal glucocorticoid metabolites in Giraffe	Dr M Bashaw Dr A Ganswindt Dr. R Palme	Taronga, University of Pretoria, University of Veterinary Medicine Vienna	
	Selamatkan Yaki	V Melfi	Taronga	
	Habitat preferences of fur seals from Jervis Bay	M Carr Dr D Slip Prof R. Harcourt	Taronga, Macquarie University	
	Microchip Associated Fibrosarcomas of Gliders	Dr K Rose Ms J Hall Dr C Sangster	Taronga	Taronga
	Australian Wildlife Papilloma Virus Investigation	Dr K Rose Ms J Hall Dr S Donahoe	Murdoch University	Taronga
	Non-invasive measurements of stress in marsupials and monotremes	Dr M Bashaw Dr K Fanson	Taronga, Deakin University	
3a/04/13	Numerical modelling of swimming techniques in seals	Dr G Doig Dr D Slip A/Prof T Rogers	Taronga, UNSW	
4a/11/10	Radiography of Australian Mammals	Dr L Vogelnest Dr G Allan	Taronga Wildlife Hospital, Veterinary Imaging Associates	
	Chimp Wounding	Dr Vicky Melfi Prof G Hosey Dr S Hill	BSU, University of Bolton, Chester Zoo	
4a/02/13	Prevalence of Koala retrovirus diversity, including KoRVB, in Australian-based Koalas	Dr G Pye Dr K Vinette Herrin	Taronga Wildlife Hospital, Sydney, University, San Diego Zoo	
	Satellite telemetry of two Australian juvenile loggerhead turtles (<i>Caretta caretta</i>): tracking the “lost years”.	Dr K Vinette Herrin L Hall Dr G Balazs	Taronga Wildlife Hospital, Pacific Islands Fisheries Science Center (Hawaii)	
	Development and understanding of the Interferon gamma release assay for the diagnosis of Tuberculosis in Elephants	Dr L Vogelnest Dr D Begg P Thompson	Taronga Wildlife Hospital, University of Sydney	
4b/10/12	Pattern recognition - evaluating the use of whisker patterns for individual identification in Australian Sea-lions	Dr R Robinson	Victoria University	Victoria University, Curtin University
3c/08/13	Whole-genome sequencing of Taronga platypuses	Prof P Donnelly Dr J Gongora Ms H Martin Dr E Batty Dr R Bowden Dr C Freeman Dr L Vogelnest	University of Oxford, University of Sydney, Taronga	University of Oxford

AEC no. if applicable	Project title	Researchers	Institution	Source of funds
	Evaluating the effectiveness of wildlife corridors in the Gosford region	Ms L Ford Mr W Brown Dr J Wiszniewski	Taronga, Gosford City Council	Taronga, Gosford City Council
4d/12/12	Virtual elephant herds	Dr K-Lynn Smith Dr J Wiszniewski Mr R Brogran Dr K Fanson	Taronga, Macquarie University, Perth Zoo	Taronga, Macquarie University
	The effects of Spirorchiid infection on mortality of Green Turtles (<i>Chelonia mydas</i>) in NSW	Z Ezzy Dr T Leung	University of New England	Taronga
	Characterization of renal disease in captive non-domestic felids in Australian zoo	Dr J Norris Dr R D'Arcy	Taronga Wildlife Hospital, University of Sydney	
4b/04/14	The rate of fibre passage through the gut of herbivorous Ursids	Dr Philip Stott	University of Adelaide	Zoos SA
	Opera House Yabbie Trapping Success	Dr V Melfi Dr R Spindler	Taronga, Australian Platypus Conservancy	
	Visibility+	Dr V Melfi	Taronga	Taronga
	Giraffe Behaviour and Nutrition	Dr V Melfi Dr M Shaw	Taronga	
	Exploring the validity of busyness as a metric to measure animal behaviour	Dr V Melfi	Taronga, University of Sydney	
	Investigation of plasma protein binding capacity for cefovecin in marsupials	Dr L Vogelnest Dr Merran Govendir	Taronga, University of Sydney, North Carolina State University	
	Marine Turtle Contaminant Exposure Caused by Plastic Ingestion	Dr K Rose	Taronga, CSIRO	CSIRO
4a/02/14	Satellite tracking of marine turtles released from Taronga Wildlife Hospital	Dr K Vinette Herrin	Taronga	Taronga
4a/12/13	Do Koala Retrovirus variants alter immune function in captive koalas?	Dr Damien Higgins	University of Sydney	
	Study of Pathology in Brushtail Possums (<i>Trichosurus vulpecula</i>) in Urban Australian Settings	Dr C Sangster	Taronga Wildlife Hospital	
	Development of improved post mortem and ante mortem testing for avian mycobacteriosis	Dr C Sangster Dr M Krockenberger L Tong	Taronga Wildlife Hospital, University of Sydney	
3b/06/13	Diet regulation by Eastern Quolls and Tasmanian Devils	Dr S. Wilder Prof. D. Raubenheimer Dr. M. Van Sluys Dr. R. Spindler MSc M. Shaw Dr. B. McAllan	University of Sydney, Taronga	
	Investigation into the aetiology of vestibular disease in captive Sumatran Tiger (<i>Panthera tigris sumatrae</i>) cubs	Dr F Hulst Assoc. Prof V Barrs Prof C Wade J Wheelhouse	Taronga Wildlife Hospital, University of Sydney	
4b/12/13	Varanid Lizard Semen Collection and Cryopreservation	Dr R Hobbs Dr C McHenry Mr S Clulow	Taronga, Monash University, University of Newcastle	Taronga, Monash University, University of Newcastle

AEC no. if applicable	Project title	Researchers	Institution	Source of funds
	Assessment of the exposure to and likely susceptibility of captive wild felids to a range of important infectious agents affecting members of Family Felidae.	Dr J Norris Dr R D'Arcy	Taronga Wildlife Hospital, University of Sydney	
3a/06/13	Validation of Animal-Based Measures of Welfare in Lions	Dr M Bashaw Dr R Hobbs Dr V Melfi R Schildkraut	Taronga	Australian Animal Welfare Strategy, Taronga
	Long-nosed Potoroo Health Assessment and Translocation	Dr Nicholas Dexter Dr Karrie Rose Ms J Hall	Booderee National Park, Taronga	Booderee National Park
4a/04/14	Asian Elephant Semen Cryopreservation	Dr R Hobbs Dr R Bathgate Mr C Negus	Taronga, University of Sydney, Melbourne Zoo, Perth Zoo	Taronga, University of Sydney, Melbourne Zoo, Perth Zoo
	Human-animal bonds in zoos	Dr W Shaw	Taronga, University of NSW	
	Wildlife Pathogen Discovery	Prof E Holmes Dr Helena Dr J Sebastian	University of Sydney	University of Sydney
	Tasmanian Devil Contraception Study	Dr R Hobbs Dr C Herbert Dr R Spindler	Taronga	
	Aerosol-mediated transmission of pathogenic bacteria from Asian Elephants (<i>Elephas maximus</i>)	Dr L Vogelneust P Thompson Dr E Tovey S Burke	Taronga Wildlife Hospital, University of Sydney	
	Disease incidence associated with stranded sea turtles triaged at Taronga Wildlife Hospital – A retrospective study.	Dr K Vinette Herrin	Taronga Wildlife Hospital	

APPENDIX 6

Post-mortem and clinical samples supplied for research and teaching purposes

Receiving organisation	Individual	Sample and purpose
University of Sydney	J.Gurr	Przewalski's Horse whole blood; genotyping
Australian Museum	R. Johnson	Black Rhino whole blood; rhinoceros genome project
University of Sydney	J. Norris	Lion and Cheetah blood samples; blood typing, virology and haemoparasite research
Australian Museum	J. Sladek	Bird carcasses: education, tissue banking and display
Australian Museum	S. Ingleby	Australian and Pacific mammal carcasses: education, tissue banking and display
Australian Museum	R. Sadlier	Reptile carcasses: education, tissue banking and display
Australian Museum (Evolutionary Biology Unit)	R. Johnson	Tissue samples from all species: preparing a genetic library.
Elizabeth Macarthur Agricultural Institute	P. Kirkland	Blood from all species: Evaluation of assays to rapidly identify DNA samples to species of origin
Institute for Zoo and Wildlife Research, Berlin	R. Hermes	Urine from Asian Elephants: Olfactory detection of LH in the urine of Asian Elephants
Royal North Shore Hospital	B. Hudson	Blood from all species: Borreliacidal activity of serum from Australian native and introduced fauna
University of NSW	K. Kabir	Pinniped and Odontocete whale teeth: Influence of increasing ocean acidification on marine mammal teeth
University of Oxford, United Kingdom	P. Donnelly	Blood from Platypus: Whole-genome sequencing of Taronga platypuses
University of Sao Paolo, Brazil	R. Vanstreels	Blood from Little Penguins: Investigation on Plasmodium and other blood parasites of Penguins in Australia
University of Sydney	J. Slapeta	Faecal samples and tissues from Short-beaked Echidnas: understanding coccidiosis in Short-beaked Echidnas
University of Sydney	J. Norris / R. D'Arcy	Serum and urine from Taronga felids: characterisation of chronic renal disease in non-domestic felids
University of Sydney	S. Hemsley	Marsupial carcasses: education of university students in how to perform necropsies
University of Sydney	T. Rogers	Pinniped and cetacean carcasses and tissues: education, behaviour and hormones in marine mammals
University of Sydney	L. Tong	Tissues, blood and faecal samples from birds: Avian Mycobacteriosis study
University of Sydney	N. Yashin	Clavicles from mammals: Anatomy, function and evolution of of the coracoclavicular ligaments.
University of Sydney	M. Govendir	Blood from Australian mammals: Plasma protein binding capacity for cefovecin in marsupials
University of Sydney	M. Krockenberger	Abdominal ultrasounds of Koalas: Standardised investigations of urogenital chlamydiosis

APPENDIX 7

Scientific associates

Consultant	Institution	Consultancy
J Smith	Eye Clinic for Animals	Veterinary Ophthalmology
Dr Lee Skerratt	James Cook University	Amphibian Disease Research
Dr Lee Berger	James Cook University	Amphibian Disease Research
Dr David Hunter	NSW Office of Environment and Heritage	Amphibian Conservation Biology
Dr Philip Byrne	University of Wollongong	Amphibian Reproductive Biology
Dr Aimee Silla	University of Wollongong	Amphibian Reproductive Biology
Dr G Allan	Veterinary Imaging Associates	Diagnostic Imaging
Assoc Prof. V Barrs	University of Sydney, Faculty of Veterinary Science	Small Animal Medicine
Dr N Beijerink	University of Sydney, Faculty of Veterinary Science	Veterinary Cardiology
Dr K Belov	University of Sydney, Faculty of Veterinary Science	Genetics
Dr K Caruso	Eye Clinic For Animals	Veterinary Ophthalmology
Dr G Childs	Small Animal Specialist Hospital	Veterinary Neurology
Dr R D'Arcy	University of Sydney, University Veterinary Centre, Camden	Veterinary Microbiology
Assoc Prof. C Dart	University of Sydney, University Veterinary Centre, Camden	Veterinary Anaesthesiology
Dr S Davies	Veterinary Imaging Associates	Diagnostic Imaging
Dr N Fiani	Small Animal Specialist Hospital	Veterinary Dentist
Dr P Fowler		Obstetrics and Gynaecology
Dr I Fraser	University of Sydney	Obstetrics and Gynaecology
Mr F Fruin	Horseshoe Express	Farrier
Dr F Goeritz	Leibniz Institute for Zoo and Wildlife Research	Wildlife Reproduction
Dr S Goldsmid	Animal Referral Hospital	Veterinary Surgery
Dr M Havlicek	Small Animal Specialist Hospital	Small Animal Surgery
Dr R Hermes	Leibniz Institute for Zoo and Wildlife Research	Wildlife Reproduction
Dr T Hildebrandt	Leibniz Institute for Zoo and Wildlife Research	Wildlife Reproduction
Dr B Hudson	Royal North Shore Hospital	Human Infectious Diseases
Prof M Kluckow	Royal North Shore Hospital	Human Neonatology
Dr H Laurendet	University of Sydney, Faculty of Veterinary Science	Diagnostic Imaging
Dr M Makara	University of Sydney, Faculty of Veterinary Science	Diagnostic Imaging
Assoc Prof. G Marks	Woolcock Institute of Medical Research	Human Respiratory Physiology
Dr T Mogg	University of Sydney, University Veterinary Centre, Camden	Equine Medicine
Dr J Mohler	University of Sydney, University Veterinary Centre, Camden	Ruminant Medicine
Dr R Nicoll	Veterinary Imaging Associates	Diagnostic Imaging
Assoc. Prof. J Norris	University of Sydney, Faculty of Veterinary Science	Veterinary Microbiology
Dr P Ravens	Small Animal Specialist Hospital	Veterinary Dermatology
Dr K Seksel	Sydney Animal Behaviour Service	Animal Behaviour Science
Assoc Prof. J Slapeta	University of Sydney, Faculty of Veterinary Science	Veterinary Parasitology
Dr J Smith	Eye Clinic For Animals	Veterinary Ophthalmology
Dr D Spratt	CSIRO Sustainable Ecosystems	Veterinary Parasitology
Dr L Vogelnest	Small Animal Specialist Hospital	Veterinary Dermatology
Dr C Whittaker	Eye Clinic For Animals	Veterinary Ophthalmology
	Sydney Water Police	Transport

APPENDIX 8

Paid consultancies undertaken by Taronga Conservation Society Australia

Report/Services	Receiving organisation
Analysis of samples to detect pregnancy in Asian Elephants	Melbourne Zoo
Analysis of serum for LH to predict next ovulation in an Asian Elephant	Melbourne Zoo
Asian Elephant contraceptive assessment	Perth Zoo, Melbourne Zoo
Assessment of reproductive cycles in tigers	Australia Zoo
Assessment of stress in the Eastern Grey Kangaroo	University of Sydney
Blue-tailed Skink fungal infection	Christmas Island National Park
Blue-tailed Skink intestinal tape worm infection	Christmas Island National Park
Brett Finlayson - reptile and Invertebrate advice regarding new displays	Wellington Zoo
Captive Breeding of two species of Christmas Islands lizards	Parks Australia
Captive Husbandry component of Lord Howe Island Rodent Eradication Project	Lord Howe Island Board
Captive maintenance and breeding for re-introduction of Green and Golden Bell Frogs	Village Building Company
Clinical Veterinary and Veterinary Pathology Consultancies	Wild Life Sydney Zoo
Clinical Veterinary and Veterinary Pathology Consultancies	NSW Office of Environment and Heritage (via MOU agreement)
Clinical Veterinary and Veterinary Pathology Consultancies	Sydney Olympic Park Authority
Clinical Veterinary and Veterinary Pathology Consultancies	Royal Botanic Gardens and Centennial Parklands
Contraceptive efficacy on the old Asian Elephant female	Perth Zoo
Dee Why Lagoon birds mortality investigation	Warringah Council
Development of sample collection protocols for small native mammals	Northern Territory Government, Biodiversity Division
Development of the National Environment and Community Biosecurity Research Development and Extension Strategy	Australian Government Department of Agriculture
Diagnostic Services on Insurance Populations	NSW Office of Environment and Heritage
Disease investigation in Bilbies	Australian Walkabout Park
Disease investigation in Bottlenose dolphins	Department of Environment and Primary Industries (VIC)
Disease investigation in Brush-tailed Rock-wallaby	Tidbinbilla Nature Reserve
Disease investigation in Burdekin Duck	Lone Pine Koala Sanctuary
Disease investigation in Corroboree Frogs	Tidbinbilla Nature Reserve
Disease investigation in Eastern Bettong	Tidbinbilla Nature Reserve
Disease investigation of native species	Tidbinbilla Nature Reserve
Dugong hormone analysis	University of Queensland
Eastern Bettong release and stress assessment	Australian National University
Efficacy of contraceptive implants in 3 female Asian Elephants	Australia Zoo
Evaluation of black bird disease	Wildlife Rescue South Coast
Evaluation of Green Turtles, Little Penguins, Long-nosed Bandicoots and marine mammals	NSW Office of Environment and Heritage (National Parks and Wildlife Service)
Evaluation of stress hormone responses associated with different marking techniques in mice	Garvan Institute for Medical Research
Felid Stress Study	Melbourne Zoo
Flying fox examination	RSPCA
Giant Panda hormone analysis	Adelaide Zoo
Histopathology of native mammals, birds and reptiles	Timbertown Vet Hospital - Port Macquarie

Report/Services	Receiving organisation
IUCN 'Red List' classification of Solomon Island reptiles and Fijian Iguanas	International Union for the Conservation of Nature
Koala hormone analysis for research	University of Sydney
Long-neck turtle mortality investigation	Sydney Olympic Park Authority
Marmosets stress hormone metabolites comparison	University of Sydney
Metabolic bone disease	University of Canberra
Mulloway - fish post mortem examination	NSW Department of Primary Industries
Nankeen Kestrel disease investigation	RSPCA
National Environmental and Community Biosecurity Research, Development and Education Strategy	Intergovernmental Agreement on Biosecurity (COAG)*
Pregnancy detection wild flying foxes	University of Queensland
Pregnancy/oestrus detection Koalas	University of Sydney
Quarantine housing and Veterinary Services	Alma Park Zoo, Queensland
Release and stress monitoring of Woylie	Perth Zoo
Reproductive assessment of wild dugong	University of Queensland
Reproductive characterisation Spotted-tailed Quoll, devil	University of Tasmania
Sudden death in native frogs	University of Newcastle
Tasmanian Devil faecal sample analysis	University of Tasmania
Veterinary consultancy – Emu anaesthesia	Sinclair Knight Merz
Victoria Park bird mortality due botulism investigation	City of Sydney Council
Water Dragon disease investigation	RSPCA
White Rhino pregnancy	Zoos South Australia
Woylies faecal stress hormones validation	Perth Zoo

*Council of Australian Governments

APPENDIX 9

Lectures and presentations by Taronga staff

Staff member	Subject	Receiving body
J. Milgate	The requirements of quarantine and the recent post arrival quarantine of a zebra (<i>Equus burchelli</i>) and African lion (<i>Panthera leo</i>) at Taronga Western Plains Wildlife Hospital	Australian Veterinary Nurse Conference (Zoo Veterinary Nurse Forum)
B. Bryant	Managing the health of captive populations	Residential School for the Masters Degree in Wildlife Health and Population Management, University of Sydney
B. Bryant	Sumatran rhinoceros conservation	Residential School for the Masters Degree in Wildlife Health and Population Management, University of Sydney
B. Bryant	Restraint of zoo animals	Residential School for the Masters Degree in Wildlife Health and Population Management, University of Sydney
B. Bryant	Taronga Western Plains Wildlife Hospital	WIRES, Dubbo branch
C. Dryburgh	Amphibian Conservation Programs at Taronga Zoo	Australasian Society of Zoo Keeping
C. Sangster	Study of Pathology in Brushtail Possums (<i>Trichosurus vulpecula</i>) in an Urban Australian Setting	Annual Conference of the Wildlife Disease Association in Knoxville, Tennessee, USA
C. Sangster	Outbreak of Mycobacterial Dermatitis and Cellulitis in six Tasmanian Devils (<i>Sarcophilus harrisii</i>)	Annual Conference of the Wildlife Disease Association in Knoxville, Tennessee, USA
C. Sangster	Zoo and Wildlife Pathology – A Comparative Approach	University of Sydney, second year veterinary science students

Staff member	Subject	Receiving body
D. Slip	Role of Zoos in Conservation	University of NSW
E. Arthur	Veterinary Nursing at the Taronga Wildlife Hospital	Hills Pet Nutrition Education Experience Day (50 veterinary nurses)
E. Hall	Powerful Owl treatment and rehabilitation at Taronga Wildlife Hospital	2 separate lectures given to High School children mentors and primary school children as part of Project Powerful Owl
E. Hall	Wildlife Rescue and First Aid	2 separate Taronga Training Institute Short Courses
E. Hall	Wildlife Rescue and Intensive Care	Japanese Education Science and Learning Department (29 students)
E. Hall	Loggerhead Turtle satellite tracking project and husbandry practices with all marine turtle species at Taronga Wildlife Hospital	Marine Turtle Workshop Nelson Bay attended by NSW OEH (NPWS) and Land Management staff
E. Hall	Wildlife Rescue and First Aid	Taronga Training Institute - Certificate II in Animal Studies (2 nights)
G. Tobias	Cloacal prolapse in the Alpine Tree Frog	Combined Conference 2013 of the Singapore Veterinary Association, the Unusual Pet & Avian Veterinarians, the Asian Society of Zoo and Wildlife Medicine and the Association of Avian Veterinarians - Australasian Section
J. Burgess	Managing fractures in macropods	Australian Wildlife Rehabilitation Conference
K. Roberts	Interconnectedness between rural and urban landscapes	Australian Association of Environmental Educators Conference
K. Rose	Microsporidial disease review	Concord Hospital
K. Rose	Development of the National Environment and Community Biosecurity Research Development and Extension Strategy	CSIRO
K. Rose	Pathology in Aquatic Australian Fauna	International Association of Aquatic Animal Medicine Conference
K. Rose	The animal human interface - spill over and spill back	Marie Bashir Institute for Infectious Diseases and Biosecurity
K. Rose	Morisset Kangaroo Mortality Event Investigation.	NSW Health, John Hunter Hospital
K. Rose	Overview of Marine Fauna Stranding Response	NSW Office of Environment and Health Hunter Marine Wildlife Preparedness
K. Rose	The Value of sample Collection and Necropsy	NSW Office of Environment and Health Hunter Marine Wildlife Preparedness
K. Rose	Microchip placement in wildlife	NSW Office of Environment and Heritage (National Parks and Wildlife Service)
K. Rose	Anticipating infectious disease threats	University of Sydney
K. Rose, J. Hall	Between the devil and the deep blue sea: Preparing for wildlife disease emergence in Australia	European College for Veterinary Pathology and European Society for Veterinary Pathology
K. Rose, J. Hall	Emerging acute myocardial necrosis in Pelicans, Ibis and Mallards - a vascular attack	Gribbles Pathology
K. Rose, J. Hall	Resurgence of Black and White Bird Disease	Gribbles Pathology
K. Rose, J. Hall	Using the Online Registry	Melbourne Zoo and Healesville Sanctuary
L. Vogelnest	Biodiversity and extinction – the role of the TCSA in conservation through education	Annual Conference of the Macarthur and Southern Highlands public school principals and deputies in Moss Vale
L. Vogelnest	Medicine of Platypuses (<i>Ornithorhynchus anatinus</i>)	International Association of Aquatic Animal Medicine (IAAAM) Annual Conference
L. Vogelnest	Diagnosis, Investigation and Management of Tuberculosis at Taronga Zoo	NSW Health
L. Vogelnest	Microchipping wildlife presentation and workshop	NSW National Parks and Wildlife Service
L. Vogelnest	Where use of wildlife expertise in a One Health setting has been beneficial – tuberculosis at Taronga Zoo	Public Health Association Australia “One Health” Special Interest Group Workshop

Staff member	Subject	Receiving body
L. Vogelnest	The Cat Ba Langur Conservation Project	University of Sydney, second year Veterinary and Veterinary and Animal Bioscience students
L. Vogelnest	Tick toxicity in zoo and wild animals	University of Sydney, third year Veterinary Science students
M. Campbell	Inspiring change; working with endangered species	Rotary Club of Dubbo Macquarie
M. Campbell	Zoo animal nutrition	Residential School for the Masters Degree in Wildlife Health and Population Management, University of Sydney
M. McFadden	Komodo Survival Program and a history of Komodo Dragons at Taronga Zoo	Australian Herpetological Society
M. McFadden	Recovery efforts for the critically endangered Southern Corroboree Frog (<i>Pseudophryne corroboree</i>)	Australian Society of Herpetologists
M. McFadden	Australian Ex-situ Amphibian Programs	Macadamia Castle staff and visitors
M. McFadden	Captive husbandry of Komodo Dragons and the Komodo Survival Program	Macarthur Herpetological Society
M. McFadden	Ex-situ Amphibian Programs at Taronga Zoo	NSW Declining Frogs Working Group
M. McFadden	Captive care of Amphibians	Repticon conference
M. McFadden	Conservation challenges of the Corroboree Frog	Sydney Seminar Series, University of Sydney
M. McFadden	Conservation and Management of Amphibians	University of Technology Wildlife Ecology
M. McFadden	Southern Corroboree Frog Conservation Program at Taronga Zoo	University of Western Sydney, Conservation Biology
M. Shaw	Do zoo visitors affect tiger welfare?	Taronga Zoo
M. Shaw	Challenges of Nutrition Field Studies	Tutorial to Macquarie University students
P. Harlow	Yellow-spotted Bell Frogs at Taronga Zoo	Dalton community meeting
P. Harlow	Current status of the Pacific Iguanas (<i>Brachylophus sp.</i>) in Fiji	Australian Society of Herpetologists
R. Norburn	The importance of data backup	Computer Associates
R. Spindler	Partnerships as a key mechanism to achieve common goals	Camberwell Church of England Girls Grammar
R. Spindler	Coral, Communities and Conservation	Mosman Rotary
R. Spindler	Prioritising areas, species and projects for conservation	NSW Office of Environment and Heritage
R. Spindler	Biodiversity Knowledge Strategy Facilitation	NSW Office of Environment and Heritage
R. Spindler	Marsupial research - achievements, gaps and needs	University of Melbourne
R. Spindler	Where's the value in prioritisation?	University of NSW
R. Spindler	Partnerships as a key mechanism to achieve common goals	University of NSW
R. Spindler	Diversity in Reproductive Strategies	University of Sydney
S. Male	Green Turtle Rehabilitation	Primary school students participating in the Education program "Project Green Turtle"
S. McReaddie	Taronga Western Plains Zoo - a changing experience	Dubbo RSL Aged Care
S. McReaddie	Taronga Western Plains Zoo - a changing experience	Probus Dubbo
T. Hadenham	Careers at the Zoo	High School students attending a Careers at the Zoo day organised by Taronga Education department

APPENDIX 10

Publications

Book Chapters

- Webb, J.K., Harlow, P.S. and Pike, D.A.** (2015). *Chapter 17. Australian Reptiles and their Conservation*, in *Austral Ark: The State of Wildlife in Australia and New Zealand*. Cambridge University Press, in press.
- Spindler, R.E. and Wiszniewski, J.** (2013). *Research in Zoos in Zoo Keeping: An Introduction to the Science and Technology*. Eds, M.D. Irwin, J.B. Stoner, and A.M. Cobaugh: University of Chicago Press. pp 544-554.
- Spindler, R.E., Keeley, T. and Satake, N.** (2014). *Applied Andrology in Endangered, Exotic and Wildlife Species in Animal Andrology: Theories and Applications*. Eds, P. Chenoweth and S. Lorton: CABI publishing. pp153-181.
- Brice, S.F.K.** (2013). *Government and Legislation in Australia in Zoo Keeping: An Introduction to the Science and Technology*. Eds, M.D. Irwin, J.B. Stoner, and A.M. Cobaugh: University of Chicago Press. pp596-600.
- Campbell-Ward, M. L.** (2013) *Hypoadrenocorticism in other species*. In: *Clinical Endocrinology of Companion Animals* (ed. J. Rand). pp. 28-35. Wiley-Blackwell, Ames.
- Campbell-Ward, M. L.** (2013) *Hyperadrenocorticism and primary functioning adrenal tumors in other species (excluding horses and ferrets)*. In: *Clinical Endocrinology of Companion Animals* (ed. J. Rand). pp. 95-99. Wiley-Blackwell, Ames.
- Campbell-Ward, M.L.** (2013) *Hypercalcemia in other species*. In: *Clinical Endocrinology of Companion Animals* (ed. J. Rand). pp. 385-395. Wiley-Blackwell, Ames.
- Campbell-Ward, M. L.** (2013) *Hyperthyroidism/thyroid neoplasia in other species*. In: *Clinical Endocrinology of Companion Animals* (ed. J. Rand). pp. 311-314. Wiley-Blackwell, Ames.
- Campbell-Ward, M. L.** (2013) *Rabbits: otitis*. In: *Clinical Veterinary Advisor – Birds and Exotic Pets* (eds. J. Mayer and T.M.Donnelly), pp. 403-405. Elsevier Saunders, St. Louis.
- Campbell-Ward, M. L.** (2013) *Rabbits: vestibular disease*. In: *Clinical Veterinary Advisor – Birds and Exotic Pets* (eds. J. Mayer and T.M.Donnelly), pp. 428-430. Elsevier Saunders, St. Louis.
- Campbell-Ward, M. L. and Rand, J.** (2013) *Diabetes mellitus in other species*. In: *Clinical Endocrinology of Companion Animals* (ed. J. Rand). pp. 191-200. Wiley-Blackwell, Ames.
- Chen, S. and Campbell-Ward, M. L.** (2013) *Insulinomas in other species*. In: *Clinical Endocrinology of Companion Animals* (ed. J. Rand). pp. 245-252. Wiley-Blackwell, Ames.
- Keen, J. and Campbell-Ward, M. L.** (2013) *Pathologic reproductive endocrinology in other species*. In: *Clinical Endocrinology of Companion Animals* (ed. J. Rand). pp. 504-511. Wiley-Blackwell, Ames.
- Stanford, M., Keen, J. and Campbell-Ward, M. L.** (2013) *Hypocalcemia in other species*. In: *Clinical Endocrinology of Companion Animals* (ed. J. Rand). pp. 335-355. Wiley-Blackwell, Ames.

Peer Reviewed Literature

- Boulton, K.A., Vogelnest L.J. and Vogelnest, L.** (2013) "Dermatophytosis in zoo macropods: A Questionnaire Study", *Journal of Zoo and Wildlife Medicine*, Vol. 44, No. 3, August, pp 555-563.
- Brookhouse N., Bucher S., Rose K., Kerr I., Gudge S.** (2014) "Impact, risks and management of fish feeding at Ned's Beach, Lord Howe Island Marine Park, Australia: a case study of how a seemingly innocuous activity can become a serious problem", *Journal of Ecotourism*, 12 (5): 165-181.
- Canessa, S., Hunter, D., McFadden, M., Marantelli, G., and McCarthy, M.A.** (2014). "Optimal release strategies for cost effective reintroductions". *Journal of Applied Ecology*, 51(4): 1107-1115.
- Cashins S.D., Grogan L.F., McFadden M., Hunter D., Harlow P.S., et al.** (2013) "Prior infection does not improve survival against the Amphibian disease chytridiomycosis". *PLoS ONE* 8(2): e56747. doi:10.1371/journal.pone.0056747.
- Charlesworth, K.E., Vogelnest, L., Stephens, N., and Marks, G.B.** (2013) "Diagnosis, investigation and management of tuberculosis at an Australian zoo." *NSW Health Public Bulletin* vol 34, No. 1, pp 49.
- Doody, J.S., Harlow, P., Douglass, D., Thiem, J.D., Broadhurst, B., Trembath, D., Olsen, J., Fuentes, E. and Rose, T.** (2014). *Patterns of predation and antipredator behaviour in the Australian water dragon Physignathus lesueurii*. *Herpetological Conservation and Biology*, 9(1): 48-56.
- Fanson, K.V., Lynch, M., Vogelnest, L., Miller, G. and Keeley, T.** (2013) "Response to long-distance relocation in Asian elephants (*Elephas maximus*): monitoring adrenocortical activity via serum, urine, and feces", *European Journal of Wildlife Research*, Vol. 59, No. 4, October, pp 655-664.
- Felkai A, Vogelnest L, McNabb S, Allan G and Sangster C** (2014) "Dilated cardiomyopathy in a De Brazza's monkey (*Cercopithecus neglectus*)", *Journal of Medical Primatology*, Online ahead of print. doi:10.1111/jmp.12108.
- Fisher, R.N., Thomson P., Watling D., Harlow P.S.** (2013). "Brachylophus bulabula (Fiji banded iguana): Predation". *Herpetological Review* 44(1): 140-141.
- Frankham, G. J., Hogg, C., Gillespie, J., King, A., & Johnson, R. N.** (2013) "Characterisation of 16 microsatellite markers via 454 sequencing, to aid ex-situ conservation of the Scimitar-horned Oryx, *Oryx dammah*", *Conservation Genetics Resources*, 5(3): 795-797.
- Grogan LF, Berger L, Rose K, Grillo V, Cashins SD, et al.** (2014) "Surveillance for Emerging Biodiversity Diseases of Wildlife", *PLoS Pathog*, 10(5): e1004015. doi:10.1371/journal.ppat.1004015.
- Hall J., Rose K., Smith C., De Jong C., Phalen D., Austen J., Field H.** (2014) "Health assessment of the Christmas Island Flying Fox (*Pteropus melanotus natalis*)", *Journal of Wildlife Disease*, 50(3): Available online via doi: dx.doi.org.elibrary.jcu.edu.au /10.7589/2013-09-245.

- Harcourt, R. Pirotta, V. Heller, G. Peddemors, V. and Slip, D. (2014) "Whale alarms fail to deter migrating Humpback Whales: an empirical test", *Endangered Species Research*, Available Online. doi:10.3354/esr00614.
- Hilser, H., Bowkett, A., Melfi, V., Tasirin, J., Siwi, Y., Agung, I., Masson, G. and Plowman, A. (2013) "A substantial non-native population of the critically endangered Sulawesi Crested Black Macaque persists on the island of Bacan, North Maluku", *Oryx*, 47 (4): 479-480.
- Hosey, G. & Melfi, V.A. (2014) "Human-animal interactions, relationships and bonds: a review and analysis of the literature", *International Journal of Comparative Psychology*, 27(1): 117-142.
- Liu S.C., Gillespie J., Atchison N., Andrew P. (2014) "The recovery programme for the Regent Honeyeater *Anthochaera phrygia*: an example of conservation collaboration in Australia", *International Zoo Year Book*, 48:83-91.
- McFadden, M. and Boylan, T. (2014). "Boiga irregularis (Brown Tree Snake). Captive reproduction and longevity". *Herpetological Review*, 45(1): 60-61.
- McFadden, M., Hobbs, R., Marantelli, G., Harlow, P.S., Banks, C. and Hunter, D. (2013). "Captive management and breeding of the Critically Endangered Southern Corroboree Frog (*Pseudophryne corroboree*) (Moore 1953) at Taronga and Melbourne Zoos". *Amphibian and Reptile Conservation*, 5(3): 70 – 87.
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- Melfi, V.A. (2014) "In response to the Letter to the Editor regarding the article: 'Is training zoo animals enriching?'" *Applied Animal Behaviour Science*, 152: 103-105.
- Morrison, S.F., Biciloo, P., Harlow, P.S. and Keogh, J.S. (2013) "Spatial ecology of the critically endangered Fijian Crested Iguana, *Brachylophus vitiensis*, in an extremely dense population: Implications for Conservation". *PLoS ONE* 8(9): e73127. doi:10.1371/journal.pone.0073127.
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- Stephens, N., Vogelnest, L., Lowbridge, C., Christensen, A., Marks, G.B., Sintchenko, V., and McAnulty, J. (2013) "Transmission of *Mycobacterium tuberculosis* from an Asian elephant (*Elephas maximus*) to a chimpanzee (*Pan troglodytes*) and humans in an Australian zoo." *Epidemiology and Infection* vol 141, No. 7, pp 1488-1497.
- Vogelnest, L. (2013) "Tuberculosis: an emerging zoonosis." *NSW Health Public Bulletin* vol 34, No. 1, pp 32-33.
- Ward, S. and Melfi, V. (2013) "The implications of husbandry training on zoo animal response rates", *Applied Animal Behaviour Science*, <http://dx.doi.org/10.1016/j.applanim.2013.05.008>.
- Grey Literature (non-peer reviewed)**
- McFadden, M. and Harlow, P.S. (2013). "Amphibian Conservation Programs at Taronga Zoo". *Froglog*, 21(4): 40-42.
- McFadden, M. (2013). "Amphibian Conservation Programs at Taronga Zoo". *Red-bellied Courier*, 1: 8-11.
- Thesis and Reports**
- Lees, C., McFadden, M. and Hunter, D. (Eds) 2013. *Genetic Management of Southern Corroboree Frogs: Workshop Report and Plan*. IUCN SSC Conservation Breeding Specialist Group, Apple Valley, MN.
- Harlow, P., Andrew, P. and Lees, C. 2013. *Christmas Island Blue-tailed Skink and Lister's Gecko: captive program review and recommendations for 2013*. Unpublished report to Parks Australia.
- Tiernan, B., Detto, T., Flakus, S., Maple, D., Harlow, P., Cogger, H., Pink, C., Trikojus, N., Woinarski, J., Retallick, K., Brunette, A., Smith, P., Clerc, C., Ralph, T., Muller, J., Jaycock, J. 2013. *Christmas Island reptile survey and capture effort 2012 and 2013, Internal report. Christmas Island National Park - Natural Resource Management Program: Report to the Department of Sustainability, Environment, Water, Population and Communities. Commonwealth of Australia 2013*.
- Harlow, P. and Chand, R. 2014. *Progress Report on the Captive Breeding of Monuriki Island Crested Iguanas at Kula Eco Park, Fiji*. Unpublished report to the National Trust of Fiji.
- Fisher, R., Harlow, P., Biciloo, M., Vadada, J., Tuamoto, T. and Niukula, J. October 2013. *Assessment for Fijian Iguanas (*Brachylophus* sp.) In the Lomaiviti and Northern Lau Islands, Fiji*. Unpublished report prepared for the International Iguana Foundation and TCSA. pp 45.
- Burke, S. (2013) "Aerosol-mediated transmission of pathogenic bacteria from Asian Elephants (*Elephas maximus*)" Honours thesis, University of Sydney.
- Hilser, H., Sampson, H. and Melfi, V.A. (2013). *Single species conservation action plan for Macaca nigra in Selamatkan Yaki, Manado, Sulawesi, Indonesia*.
- Conference and Workshop Proceedings**
- Harlow, P., Fisher, R. and Niukula, J. (January, 2014) "Current status of the Pacific Iguanas (*Brachylophus* sp.) in Fiji". Australian Society of Herpetologists conference, Canberra, ACT, pp27.
- Donohoe, S., Rose, K., Slapeta, J. (June 2014). *Multisystemic toxoplasmosis associated with a type II Toxoplasma gondii strain in a free-ranging New Zealand Fur-seal (Arctocephalus forsteri)*. 50th Anniversary Annual Conference of the Australian Society for Parasitology, Canberra.
- Dryburgh, C. and McFadden, C. (February, 2014) "Amphibian Conservation Programs at Taronga Zoo". Australasian Society of Zoo Keeping conference, Healesville, Victoria.
- Grillo, T. (October 2013) "Current networks and communication strategies for biodiversity diseases". Symposium and Workshop on Biodiversity Diseases. The Grampians, VIC.
- Hall, J and Rose, K. (September, 2013) "A practical guide to effective gross pathology photography." In: Proceedings of the Wildlife Disease Association (Australasia) Annual Conference, Grampians National Park, Victoria.
- Hocking, D.P., Evans, A.R., Rogers, T.L., Slip, D., & Fitzgerald, E.M.G. (December 2013) "Leopard Seals use suction and filter feeding when hunting small prey underwater". 20th Biennial Conference on the Biology of Marine Mammals, Dunedin New Zealand.
- McFadden, M., Hunter, D., Marantelli, G., Hobbs, R., Scheele, B., Banks, C., and Harlow, P. (January, 2014) "Recovery efforts for the critically endangered Southern Corroboree Frog (*Pseudophryne corroboree*)". Australian Society of Herpetologists conference, Canberra, ACT, pp38.

- Melfi, V.** (March 2014). *Interactive experiences using animals in zoos*. ZAA Annual Conference, Auckland Zoo, New Zealand.
- Melfi, V.** (September 2013) “*Animal Welfare Workshop*”. European Association of Zoos and Aquaria Annual General Meeting, Edinburgh Zoo, Edinburgh, UK.
- Melfi, V.** (September 2013) “*Interactive experiences using animals in a zoos: The emperor’s new clothes*”. European Association of Zoos and Aquaria Annual General Meeting, Edinburgh Zoo, Edinburgh, UK.
- Peacock, C., Donahoe, S., Choo, A., O’Donohue, P., Cook, R., Srivastava, M., Vogelnest, L., Gordon, A., Rose, K.** (August, 2013) “*A novel Babesia spp. associated with morbidity and mortality in Eastern Grey Kangaroos.*” Proceedings of Australian and International Societies for Parasitology, 24th International Conference of the World Association for the Advancement of Veterinary Parasitology, Perth.
- Pirrotta, V., Harcourt, R., Slip, D., Peddemors, V., and Ross, G.** (July 2013) “*An empirical assessment of whale alarms and avoidance or not of migrating Humpback Whales*”. Australian marine Sciences Association Annual Conference, Gold Coast, QLD.
- Pirrotta, V., Gulesserian, M., Slip, D., Heller, G., Peddemors, V., Ross, G., & Harcourt, R.** (December 2013) “*Boats, drills and alarms: Humpback Whale responses to an ever noisier world*”. 20th Biennial Conference on the Biology of Marine Mammals, Dunedin New Zealand.
- Salton, M., Harcourt, R., Kirkwood, R., & Slip, D.** (December 2013) “*Lunchtime in the co-educational playground: foraging behaviour of juvenile Australian Fur-seal is not sexually segregated*”. 20th Conference on the Biology of Marine Mammals, Dunedin New Zealand.
- Sangster, C., and Rose, K.** (August, 2013) “*Study of Pathology in Brushtail Possums (Trichosurus vulpecula) in an Urban Australian Setting*”, Wildlife Disease Association Annual Conference, Knoxville, Tennessee, USA, pp 100.
- Sangster, C., Bryant, B., Campbell, M. and Wallace, A.** (July-August, 2013) “*Outbreak of Mycobacterial Dermatitis and Cellulitis in six Tasmanian Devils (Sarcophilus harrisi)*”, Wildlife Disease Association Annual Conference, Knoxville, Tennessee, USA.
- Slip, D., Vogelnest, L., Negrette, J., Edwards, N., & Rogers, T.** (December 2013) “*Using IM and IV cyclohexamines to immobilise leopard seals and a CPR approach to apnoea*”. 20th Biennial Conference on the Biology of Marine Mammals, Dunedin New Zealand.
- Spindler R.** *Keynote Address: Strategic Genome Banking. International Society for Biological and Environmental Repositories.* Orlando, Florida, May 20th 2014.
- Spindler R.** *The Fundamentals of Cryopreservation. International Society for Biological and Environmental Repositories.* Orlando, Florida, May 20th 2014.
- Tobias, G.** (October, 2013) “*Cloacal prolapse in the Alpine Tree Frog*” Combined Conference 2013 Proceedings of the Singapore Veterinary Association, the Unusual Pet & Avian Veterinarians, the Asian Society of Zoo and Wildlife Medicine and the Association of Avian Veterinarians - Australasian Section, Singapore, pp296-301.
- Vogelnest L.** (May, 2014) “*Medicine of Platypuses (Ornithorhynchus anatinus)*”, Proceedings of the International Association of Aquatic Animal Medicine (IAAAM) Annual Conference, Sea World, Gold Coast pp 345-346.
- Warren, K., Yeap, L., Rose, K.** (September, 2013) “*Postgraduate training in wildlife health and conservation medicine in Australasia.*” Proceedings of the Wildlife Disease Association (Australasia) Annual Conference, Grampians National Park, Victoria.
- Woods, R.** (October 2013) “*Integrating biodiversity diseases into a one health approach to wildlife health*”. Symposium and Workshop on Biodiversity Diseases. The Grampians, VIC.

Workshops convened

Emergency Animal Disease Training (August 2013), Sydney Institute of Marine Science.

Christmas Island Flying Fox (January 2014), Taronga Zoo.

Microchip Placement in Wildlife (August 2013), Taronga Zoo.

APPENDIX 11

Staff representation on external committees

Name	Committee
P. Andrew	Koala [Northern] International Studbook Keeper, Zoo and Aquarium Association Brush-tailed Rock-wallaby [Central] and Komodo Dragon Species Coordinator, Zoo and Aquarium Association Taxonomy Advisor, Zoo and Aquarium Association
N. Atchinson	Rose-crowned Fruit-dove Species Coordinator, Zoo and Aquarium Association
N. Boyle	Co-Convener, Zoo and Aquarium Association Ungulate Taxon Advisory Group Australian Little Penguin, Przewalski’s Horse and Blackbuck Species Coordinator, Zoo and Aquarium Association
S. Brice	Animal Records Advisor, Zoo and Aquarium Association Squirrel Glider Species Coordinator, Zoo and Aquarium Association
B. Bryant	Member, Zoo and Aquarium Association Vet Specialist Advisory Group Primary Veterinary Advisor, Zoo and Aquarium Association Ungulate Taxon Advisory Group Veterinary Co-advisor, American Zoo Association Rhinoceros Taxon Advisory Group – Rhinoceros Research Group

Name	Committee
M. Campbell	Primary Veterinary Advisor, Zoo and Aquarium Association Nutrition Group Member, Zoo and Aquarium Association Amphibian Advisory Group Member, Zoo and Aquarium Association Reptile Vet Specialist Advisory Group
R. Cheal	Co-Convener, Education, Interpretation and Visitor Experience Specialist Advisory Group
J. Conaghan	Board Member and International Liaison, International Rhino Keepers Association Galapagos Tortoise Species Coordinator, Zoo and Aquarium Association
V. Di Giglio	Member, Animal Record Keeping Specialist Advisory Group
S. Duffy	Member, National Society for Biodiversity Policy Member, Zoo and Aquarium Association Australasian Species Management Program Committee Member, Zoo and Aquarium Association Asian Elephant Steering Committee Member, Friends of LWIRO Australia Member, The Australian Rhino Project Board Member, The Environmental Trust Subcommittee
C. Dryburgh	Committee Member, Australasian Society of Zoo Keeping
N. Dunn	Bongo Species Coordinator, Zoo and Aquarium Association
M Fuller	Member, Tasmanian Devil Steering Committee Member, Tasmanian Devil Meta Population Advisory Committee Director Inland New South Wales Tourism – Chair Inland NSW Tourism Finance and Audit Committee Member, Dubbo City Council Economic Development Advisory Committee
J. Gillespie	Member, Zoo and Aquarium Association Accreditation and Animal Welfare Committee Cheetah Husbandry contact, Zoo and Aquarium Association Regent Honeyeater, Addax and Eland Species Coordinator, Zoo and Aquarium Association Member, Regent Honeyeater Recovery Team
L. Ginman	African Lion Species Coordinator, Zoo and Aquarium Association
W. Gleen	Yellow-bellied Glider Species Coordinator, Zoo and Aquarium Association
L. Grossfeldt	Vice President, Borneo Orangutan Survival Convener, Zoo and Aquarium Association Primates Taxon Advisory Group Black-handed Spider-monkey and Bolivian Squirrel-monkey Species Coordinator, Zoo and Aquarium Association Western Lowland Gorilla Studbook Keeper, Zoo and Aquarium Association
E. Hall	Member, NSW Office of Environment and Heritage Wildlife Rehabilitation Standards Advisory Group Committee Member, Southern Ocean Seabird Study Association
P. Harlow	Member, NSW Declining Frog Working Group Member, Christmas Island Reptile Advisory Panel Member, Corroboree Frog Recovery Team Member, International Union for Conservation Nature Iguana Specialist Group Steering Committee Fijian Crested Iguana Species Coordinator, Zoo and Aquarium Association
F. Hulst	Member, Zoo and Aquarium Association Vet Specialist Advisory Group Primary Veterinary Advisor, Zoo and Aquarium Association Amphibian Taxon Advisory Group Member, Zoo and Aquarium Association Nutrition Group
Z. Jones	Member, Dubbo Chamber of Commerce
L. Keen	Communications Advisor, Zoo and Aquarium Association
C. Kerr	Chair, Zoo and Aquarium Association Asian Elephant Steering Committee Board Member, International Rhino Foundation Board member, Zoo and Aquarium Association Member, University of New South Wales Scientific Advisory Committee Member, TAFE NSW Sydney Institute Advisory Council
M. McFadden	Member, NSW Declining Frog Working Group Member, Christmas Island Reptile Advisory Panel Member, Corroboree Frog Recovery Team Member, Chytrid Threat Abatement Plan Review Committee Co-convener, Zoo and Aquarium Association Amphibian Taxon Advisory Group Corroboree Frog Species Coordinator, Zoo and Aquarium Association Australian Centre for Ecological Analysis and Synthesis Working Group for “Decision making for ex-situ conservation of Australian frogs” Member, International Union for Conservation Nature Reintroduction Specialist Group

Name	Committee
V. Melfi	Member, International Union for Conservation Nature Captive Breeding Specialist Group Member, International Union for Conservation Nature Species Survival Commission Member, International Union for Conservation Nature Primate Specialist Group Member, International Union for Conservation Nature Section for Small Apes Founder, Selamatkan Yaki Chair, Shape of Enrichment Advisory Group and Member, Shape of Enrichment Committee Member, BMC Veterinary Research Editorial Board
P. Metcalfe	Member, NSW Exhibited Animals Advisory Committee Member, NSW Non-Indigenous Animals Advisory Committee
R. Moss	Pygmy Hippopotamus Species Coordinator, Zoo and Aquarium Association
V. Moushigian	Mid Size Agency Scheme (MIDAS) Local Emergency Management Committee (LEMC)
K. Roberts	Australian Association of Environmental Educators NSW Subcommittee
K. Rose	Member, Chytrid Threat Abatement Plan Review Committee Steering Committee Member, Development of the National Environment and Community Biosecurity Research, Development and Education Strategy Australian Wildlife Health Network Universities Committee Australian Wildlife Health Network State and Territory Coordinators Committee
B. Sammut	Convenor, Human Resources, Zoo and Aquarium Association Specialist Advisory Group
C. Sangster	Member, Zoo and Aquarium Association Vet Specialist Advisory Group
E. Schmelitschik	Noisy Pitta Species Coordinator, Zoo and Aquarium Association
M. Shiels	Member, Regent Honeyeater Recovery Team
D. Slip	Member, NSW Office of Environment and Heritage Marine Fauna Advisory Group Member, International Union for the Conservation of Nature / Species Survival Commission Boa and Python Specialist Group
R. Spindler	Member, NSW Office of Environment and Heritage Science Senior Executive Member, University of New South Wales School of BEES Visiting Committee Board Member, Society for Conservation Biology - Oceania Member, International Union for the Conservation of Nature Conservation Breeding Specialist Group
R. Stapley	President, NSW Fauna and Marine Parks Association
M. Tantini	Eastern Whipbird Species Coordinator, Zoo and Aquarium Association
G. Tobias	Member, Zoo and Aquarium Association Vet Specialist Advisory Group
P. Topham	Member, Australian Herpetological Society General Committee
K. Vinette-Herrin	Member, Zoo and Aquarium Association Vet Specialist Advisory Group Member, Zoo and Aquarium Association Carnivore and small exotics Veterinary Advisory Group
L. Vogelnest	Member, NSW Office of Environment and Heritage Marine Fauna Advisory Group Member, Zoo and Aquarium Association Vet Specialist Advisory Group Primary Veterinary Advisor, Zoo and Aquarium Association Australian Marine Mammal Taxon Advisory Group Member, Zoo and Aquarium Association Elephant, Primate and Bird Veterinary Advisory Groups Oceania Representative, American Association of Zoo Veterinarians International Committee Member, Department of Agriculture, Fisheries and Forestry, National Zoo Animal Health Reference Group,
E. Walraven	Member, Australian Animal Welfare Strategy Member, Brush-tailed Rock-wallaby Recovery Team Member, Little Penguin Recovery Team Member, Long-nosed Bandicoot Recovery Team Convenor, Zoo and Aquarium Association Australian Mammals Taxon Advisory Group Western Lowland Gorilla Species Coordinator, Zoo and Aquarium Association
J. West	Member, International Shark Attack Committee Member, International Union for the Conservation of Nature Shark Specialist Group
D. Wilson	Member, Local Liquor Accord

APPENDIX 12

Staff participation in international programs

Staff Member	Destination	Date of travel	Reason for travel
C. Sangster	USA	26 July 2013	To attend the Wildlife Disease Association Conference and to attend a Ranavirus symposium
K. Rose**	United Kingdom	31 August 2013	Keynote speaker at 2013 at European Society and College of Veterinary Pathologists Conference
N. Dunn	Indonesia	11 July 2013	To attend meetings and assist with master planning for Ragunan Zoo and to inspect Sumatran Rhino Sanctuary
C. Kerr	Indonesia	11 July 2013	To attend meetings and assist with master planning for Ragunan Zoo and to inspect Sumatran Rhino Sanctuary
N. Atchison*	Lord Howe Island	14 July 2013	To assist with native bird care and protection during rat baiting program being undertaken by Lord Howe Island Board and NSW Office of Environment and Heritage
S. Liu*	Lord Howe Island	14 July 2013	To assist with native bird care and protection during rat baiting program being undertaken by Lord Howe Island Board and NSW Office of Environment and Heritage
M. Shiels*	Lord Howe Island	14 July 2013	To assist with native bird care and protection during rat baiting program being undertaken by Lord Howe Island Board and NSW Office of Environment and Heritage
F. Hulst*	Lord Howe Island	20 July 2013	To provide veterinary support during LHI rat eradication project
N. Boyle	New Zealand	2 September 2013	To attend the Australasian Species Management Program Cheetah Program Workshop at Orana Park Zoo
J. Conaghan	New Zealand	2 September 2013	To attend the Australasian Species Management Program Cheetah Program Workshop at Orana Park Zoo
S. Duffy	China and Thailand	8 September 2013	To inspect facilities and husbandry care for a variety of Australian birds that were exchanged with Beijing Zoo as part of a transfer agreement for the exchange of Francois Langur for Taronga Zoo. To progress the Memorandum of Agreement (MoA) between the Ministry of Natural Resources & Environment of the Kingdom of Thailand, the States of New South Wales and Victoria and the Commonwealth of Australia regarding the Joint Cooperation on Wild Elephant Conservation in Thailand.
V. Melfi	United Kingdom	19 September 2013	To attend the 2013 European Association of Zoos and Aquaria Conference and to host an animal welfare workshop
E. Kelly*	Lord Howe Island	21 September 2013	To assist with native bird care and protection during rat baiting program being undertaken by Lord Howe Island Board and NSW Office of Environment and Heritage
C. Kerr**	Indonesia	6 October 2013	To give a presentation at Ragunan Zoo and to meet with Indonesian ambassador
G. Kirk*	USA	13 October 2013	To accompany four Tasmanian Devils to San Diego Zoo
F. Hulst*	Lord Howe Island	16 October 2013	To provide veterinary care for the Lord Howe Island eradication project
K. Husher**	Kenya	18 October 2013	To embed Taronga's conservation partnership with Biliqo-Bulesa Conservancy and Beads for Wildlife Campaign; to scope opportunities for further support
F. Hulst**	Republic of Congo	23 October 2013	To provide veterinary care and assist with chimpanzee movement at Jane Goodall Institute
J. Wiszniewski	USA	27 October 2013	To attend the Effective Conservation Leadership Course at the Smithsonian Institute
A. Connor**	Indonesia	10 November 2013	To assist the International Rhino Foundation with ecotourism opportunities and to engage local communities in efforts to conserve the Sumatran Rhinoceros
M. Wyatt**	Indonesia	10 November 2013	To assist the International Rhino Foundation with ecotourism opportunities and to engage local communities in efforts to conserve the Sumatran Rhinoceros
M. Joyce**	USA	16 November 2013	To attend the International Association of Amusement Parks and Attractions global convention
P. Maguire**	USA	14 November 2013	To attend the International Association of Amusement Parks and Attractions global convention

Staff Member	Destination	Date of travel	Reason for travel
S. Duffy	Vietnam	17 November 2013	To attend the South East Asian Zoo and Aquarium Association Annual Conference
C. Kerr*	USA	19 November 2013	To attend the annual board meeting of the International Rhino Foundation and to attend meetings with key zoo stakeholders
M. Green**	Republic of Congo	20 November 2013	To provide support for capital development at Tchimpounga Sanctuary for chimpanzee housing
D. Slip	New Zealand	6 December 2013	To attend the 20th Biennial Conference of Society of Marine Mammology
E. Fairbank	Johannesburg	6 February 2014	To undertake a 28 day Safari Guide course in the Northern Tuli Game Reserve, Botswana as part of a fellowship
M. Van Sluys	Nepal	6 February 2014	To observe and participate in projects, activities and assessments as well as to meet key partners from Himalayan Nature and the Department of National Parks and Wildlife, Nepal.
E. Bombonato	New Zealand	23 February 2014	To inspect a 6 year old New Zealand Fur-seal for potential acquisition to Taronga
B. Bryant	Indonesia	27 February 2014	To assist in the treatment of a severe eye problem with an adult bull rhino at the Way Kambas National Park Rhino Sanctuary
R. Tate*	Antarctica	14 March 2014	To prepare and deliver onboard lectures addressing the relationship between zoo-based research programs and field studies undertaken in Antarctica.
L. Pitkin	China	16 March 2014	To promote TZ and TWPZ to senior members of the Greater China Tourism industry
C. Kerr	New Zealand	21 March 2014	To participate in and present papers at the 2014 Annual ZAA conference for partnerships and professional development opportunities for staff
M. Fuller	New Zealand	25 March 2014	To participate in and present papers at the 2014 Annual ZAA conference for partnerships and professional development opportunities for staff
P. Metcalfe	New Zealand	24 March 2014	To participate in and present papers at the 2014 Annual ZAA conference for partnerships and professional development opportunities for staff
T. Jenkinson	New Zealand	24 March 2014	To participate in and present papers at the 2014 Annual ZAA conference for partnerships and professional development opportunities for staff
E. Walraven	New Zealand	25 March 2014	To participate in and present papers at the 2014 Annual ZAA conference for partnerships and professional development opportunities for staff
B. Sammut	New Zealand	25 March 2014	To participate in and present papers at the 2014 Annual ZAA conference for partnerships and professional development opportunities for staff
P. Maguire	New Zealand	25 March 2014	To participate in and present papers at the 2014 Annual ZAA conference for partnerships and professional development opportunities for staff
S. Duffy	New Zealand	23 March 2014	To participate in and present papers at the 2014 Annual ZAA conference for partnerships and professional development opportunities for staff
P. Andrew	New Zealand	25 March 2014	To participate in and present papers at the 2014 Annual ZAA conference for partnerships and professional development opportunities for staff
V. Melfi	New Zealand	25 March 2014	To participate in and present papers at the 2014 Annual ZAA conference for partnerships and professional development opportunities for staff
M. Shaw	New Zealand	25 March 2014	To participate in and present papers at the 2014 Annual ZAA conference for partnerships and professional development opportunities for staff
M. Shiels	New Zealand	25 March 2014	To participate in and present papers at the 2014 Annual ZAA conference for partnerships and professional development opportunities for staff
J. Marshall	Mauritius	23 April 2014	To undertake field work, to build relationships with conservation partners in Madagascar and to document work relevant to Taronga's Lemur Exhibit
R. Spindler**	USA	12 May 2014	To collect three species of coral during the coral spawn in Hawaii and to speak at a conference in Florida
P. Andrew	Netherlands	28 May 2014	To attend the first global joint Taxon Advisory Group (TAG) chairs meeting
N. Boyle	Netherlands	28 May 2014	To attend the first global joint Taxon Advisory Group (TAG) chairs meeting
J. West	South Africa	2 June 2014	To attend the Sharks International Symposium in Durban to ensure the quality of the Australian Shark Attack Files
P. Harlow	Fiji	22 June 2014	To present at the SCB conference in Suva and to undertake field research for the Fijian Iguana

* Travel costs funded by an external party

** Travel costs partly funded by an external party

APPENDIX 13

Workplace Diversity**Workforce Diversity Achievements in 2013/2014 include:**

Aboriginal Education Scholarships	Taronga Training Institute Aboriginal Scholarship opportunities identified and provided.
Preventing and responding to workplace bullying	Program developed and delivered via e-Learning and face-to-face training across both sites to enhance communication and understanding of the principles and practices of Taronga's Anti Discrimination and Harassment Free Workplace Policy.
Advertisement of vacant positions through multicultural networks	A range of Taronga's vacancies advertised in multicultural community networks/media.
Workforce diversity celebrations	NAIDOC Week was celebrated to promote a greater understanding of EEO groups.
Mentoring program	Program operating to create future opportunities for mentoring and networking.
Work placement program	In partnership with the Department of Community Services, work placements and development opportunities provided to highly disadvantaged students to promote skill development.
Action Plan for Women	Taronga is committed to providing a fair and equitable workplace and is an Equal Employment Opportunity employer. Taronga supports the NSW Government's Action Plan for Women with major initiatives including: <ul style="list-style-type: none"> • Leadership and personal development opportunities, including financial support for professional interests, for women, • Promotion and celebration of International Women's Day, • Access to school holiday child care via subsidized programs run by the Taronga Education Centre, • Opportunities to apply for flexible work arrangements, many of which support working mothers, • Paid lactation breaks and other support for lactating mothers as per our Award, and • Accessibility of trained Grievance Officers to enhance the avenues for women in the workplace to seek guidance and raise concerns.

Key Workforce Diversity strategies proposed by Taronga for 2014/2015 include:

Reconciliation Action Plan (RAP)	Working towards defined targets and goals of the recently developed "stretch" RAP.
Aboriginal Employment Strategy	Identified Aboriginal positions made available, include a Traineeship, supporting Taronga's workforce profile representation of Aboriginal people. Taronga currently employs three Aboriginal Education Officers and six Aboriginal Discovery Hosts.
Employee Assistance Program (EAP)	Increasing opportunities to partner with EAP provider to support employees, and their families, with professional and personal challenges. Promote Manager and Supervisor advice service as another avenue for leaders to access support to deal with challenging workplace issues.
Workforce Diversity Celebrations	Promote and engage in NAIDOC Week, including providing additional opportunities for staff and visitors to connect with Aboriginal experiences.

Additional Human Resources Reporting Requirements:

- There were no exceptional movements in wages, salaries or allowances in 2013/2014.
- There were no significant amendments to personnel policies and procedures in 2013/2014.
- Industrial relations policies and practices were updated in 2013/2014 following the *Government Sector Employment Act 2013* replacing the *Public Sector Employment and Management Act 2002* on 23 February 2014.

 APPENDIX 14

Senior Executive Service

In October 1991, the New South Wales Government undertook to further enhance the accountability and performance of the Senior Executive Service. The following sets out details of information now required under Clause 4c(i) of the *Annual Reports (Statutory Bodies) Regulation 1985*.

Number of Chief Executive Services (CES) / Senior Executive Services (SES) Positions and Average Remuneration

Level	Total CES/SES end previous year*	Total CES/SES end current year*	Average Remuneration (package) end current year
Level 1			
Level 2	3	3	\$182,234
Level 3	2	2	\$214,725
Level 4			
Level 5	1	1	\$292,450
Level 6			
Level 7			
Level 8			
Total	6	6	N/A

CEO employed under *Statutory and Other Officers Remuneration Act 1975* (NSW) Section 11A

* In the current and previous year, one SES position was filled by a woman at Level 2.

5% of total employee-related expenditure in 2013/2014 related to Senior Executives.

APPENDIX 15

Senior staff**Executive**

Cameron Kerr – BSc(Hons), MCom – *Director and CEO*

Emma Pollard – BApp Fin BLLB (Hons) MIEL – *Executive Officer*

Capital Works and Infrastructure

Alexander Halliburton - BLA (Hons) – *General Manager, Capital Works and Infrastructure*

Tim Bain – (Bachelor, Construction management and economics) – *Manager Development*

Stephen Bedford – *Manager Facilities*

John Inkratas – BE (Civil) – *Manager Asset Maintenance*

Brian Vanden Hogen - BSc – *Manager, TZ Operations*

Emma Schaefer – BEnvSc – *Manager Environmental Sustainability*

Corporate Services, Finance and Legal

Hunter Rankin BCom – FCPA – *General Manager, Corporate Services, Finance and Legal*

Emma Roberts – BA FCCA – *Manager Finance*

Marianne Richards – *Budget and Reporting Manager*

Richard Norburn - BSc(Hons) – *Manager Information Technology*

Pamela Burgoyne – Exec Cert (RM) – *Records Manager*

Life Sciences, Research and Conservation

Simon Duffy – BEd BTeach – *General Manager, Life Sciences and Research Conservation*

John West – PSM Dip Aqua – *Manager Operations Life Sciences*

Erna Walraven - BAppSc, Dip Park Mgmt – *Senior Curator*

Rebecca Spindler - BSc (Hons), PhD. – *Manager Research and Conservation*

Larry Vogelnest – BVSc, MVS, MACVSc – *Senior Veterinarian TZ*

Marketing, Fundraising and Commercial Services

Paul Davies – MBA, MA Econ – *General Manager, Marketing, Fundraising and Commercial Services*

Lisa Keen – BA (Hons), Grad Dip Prof Comms – *Communications Manager*

Libby Hodgson – BA (Hons) – *Manager Marketing and Tourism*

Helen Wright – Dip IDM – *Manager Fundraising and Memberships*

Marion Joyce – *Commercial Services Manager*

Susan Baker – *Manager Retail Services*

People and Learning

Bettina Sammut BA, Cert (PR), Grad Cert (HRM) Grad Cert (Change Mgt) – *General Manager, People and Learning*

Paul Maguire – BEd (PE and Sci) – *Manager Education*

Valerie Moushigian – (Dip WHS, Dip Mgmt) – *WHS Manager*

Rebecca Edwards – (BBA, BA Psych) – *Senior HR Advisor*

Taronga Western Plains Zoo

Matthew Fuller – *General Manager, Taronga Western Plains Zoo*

Damien West – *Manager, Facilities and Asset Operations*

Shallon McReaddie – *Public Relations and Promotions Manager*

Zac Jones – *Commercial Manager*

Benn Bryant - BVSc - MVS – *Senior Veterinarian TWPZ*

APPENDIX 16

Employees by category

Program Area	Permanent			Temp			Casual			Total		
	2012	2013	2014	2012	2013	2014	2012	2013	2014	2012	2013	2014
Executive	7	7	7	0	0	0	0	0	0	7	7	7
Clerical	78	67	78	44	59	94	80	82	87	202	208	259
General	22	22	22	2	2	4	0	0	0	24	24	26
Professional	12	12	14	9	10	11	11	12	15	32	34	40
Services	40	37	48	20	25	41	246	231	337	306	293	426
Technical	4	5	5	1	2	2	0	0	0	5	7	7
Trades	156	166	179	28	32	59	288	287	376	472	485	614
TOTAL	319	316	353	104	130	211	625	612	815	1048	1058	1379

APPENDIX 17

Government Information Public Access (GIPA) (formerly Freedom of Information)*Government Information Public Access (GIPA) Regulation 2009, Clause 7 Schedule 2*

– statistical information about access applications

Taronga makes available its Publication Guide and Disclosure Log (on the Taronga website) as required under the GIPA Act. A copy of the Publication Guide can be obtained by downloading from the website or by request in writing to the GIPA Right to Information Officer, Records Office, PO Box 20 Mosman, NSW 2088.

TCSA received no applications under the provisions of the GIPA Act during the year.

GIPA Request for Information	Other	Personal
New	0	0
Brought forward (last year)	0	0
Total to be processed	0	0
Completed	0	0
Transferred out	-	-
Withdrawn	-	-
Total processed		
Unfinished (carried on to next year)	0	
Request: granted in full	0	
granted in part	0	
refused	0	
deferred	0	

APPENDIX 18

Public interest disclosures

Taronga Conservation Society Australia had no public interest disclosures in the period 1 July 2013 to 30 June 2014. The following report has been provided to the NSW Ombudsman in accordance with the *Public Interest Disclosures Act 1994* (NSW) and *Public Interest Disclosures Regulations 2011* (NSW) for this reporting period.

Number of public officials who made public interest disclosures to your public authority	0
Number of public interest disclosures received by your public authority	0
Of public interest disclosures received, how many were primarily about:	
• Corrupt conduct	0
• Maladministration	0
• Serious and substantial waste	0
• Government information contravention	0
• Local government pecuniary interest contravention	0
Number of public interest disclosures (received since 1 July 2013) that have been finalised in this reporting period	0
Have you established an internal reporting policy?	Yes
Has the head of your public authority taken action to meet their staff awareness obligations?	Yes

 APPENDIX 19

Consultants fees
Consultants Fees Incurred in 2013/14
Consultants equal to or more than \$50,000

Finance and accounting/tax
Ernst & Young – \$87,454
GST specialist advice

Management Services
Root Projects – \$56,500
Taronga Institute Feasibility Study

Studio – Hanson Roberts – \$143,810
Taronga Zoo and Taronga Western Plains Zoo Vision Plan

Total Consultancies equal to or more than \$50,000 = \$287,764

Consultants less than \$50,000

During the year six other consultancies were engaged in the following areas:

Management Services – \$143,257
Environmental – \$12,170

Total Consultancies less than \$50,000 = \$155,427

Total Consultancies = \$443,191

 APPENDIX 20

VIP visits to Taronga and Taronga Western Plains Zoos
September 2013

Brad Pitt
Kerri-Ann Kennerley (TWPZ)
Ruby Rose (TWPZ)

November 2013

Khloe Kardashian
Angelina Jolie and Brad Pitt
Lan Yu (Chinese Fashion designer)

December 2013

Angelina Jolie
Alicia Keys
Nicole Kidman and Keith Urban

January 2014

Nathaniel Buzolic (Australian actor)
John Cleese
The Lumineers
Eddie Vedder (Pearl Jam lead singer)
Charlie Brown (designer) (TWPZ)
Cynthia Pepper (TWPZ)

February 2014

John Cleese (TZ)
Rove McManus
Tony Hawk
Modern Family cast:
Eric Stonestreet, Sofia Vergara,
Ariel Winter and Nolan Gould
Paula Abdul
The Hon. Gabrielle Upton,
NSW Minister for Sport (TWPZ)

March 2014

US Ambassador, John Berry
John Cleese (TWPZ)
Queens of the Stone Age
The Arizona Diamondbacks
Pharrell Williams
Lisa-Marie Presley
Eva Longoria
His Royal Highness Prince Dipangkorn
Rasmijoti of Thailand
The Hon. Robyn Parker, NSW Environment
Minister (TWPZ)

April 2014

Their Royal Highnesses the Duke and
Duchess of Cambridge and Prince George
John Scanlon, Secretary-General CITES
The Hon. Robyn Parker,
NSW Environment Minister (TZ)

May 2014

Senator the Hon. Mitch Fifield,
Assistant Minister for Social Services,
and CEO of Carer's Australia
Chris Shepherd, TRAFFIC Southeast Asia
Dr Jane Goodall
Spencer Boldman (US actor)
Olivia Holt (US actress)
Bethany Mota and Chloë Morello (YouTube stars)
Boy & Bear band (TWPZ)
Consulate General visit from 15 countries (TWPZ)
NRL City and Country Rugby League
teams (TWPZ)

June 2014

Andrew O'Keefe (TWPZ)

APPENDIX 21

Multicultural Policies and Services Program 2013/2014

OBJECTIVE	STRATEGIES	ACHIEVEMENTS - 2013 /2014	PROGRAM FOR 2014/2015
Integrate ethnic affairs initiatives into all Taronga business activities	Ensure all relationships with key countries are strong and supportive of long-term outcomes.	Participation of Thai Consulate and Buddhist community in achievements of Elephant breeding program.	Ongoing
		Provide opportunities for staff to work in-situ and support local communities internationally through the Zoo Friend Conservation Fellowships.	Ongoing
		Attendance of the Australian Tourism Exchange 2014 and participation in the DNSW/Tourism Queensland China Sales Mission to Chengdu and Beijing in March 2014.	Ongoing
Increase the multi-cultural service capacity of both zoos	Continue staff training in customer service with a particular focus on cultural appreciation.	Continuation of organisation-wide training to existing employees on Taronga's Customer Service Charter to enhance cultural awareness in communications and visitor experiences.	Accredited Training to be provided to all frontline employees at both Taronga Zoo and Taronga Western Plains Zoo. All new employees to undertake Customer Service as part of induction. Focus on Asian International market and recruiting staff with Asian language skills.
			Accredited training programs conducted for zoo volunteers which provide increased awareness of visitors from culturally diverse backgrounds.
			Work in a socially diverse environment Unit of Competency (UOC) included in the Cert III in Tourism course.
	Visitor surveys	Visitor surveys conducted at both zoos.	Ongoing Program
	Continue to provide broad zoo-based community education programs with special emphasis on the ethnic community.	Zoo-based language programs have been developed by Education staff targeting NESB students and overseas students.	Ongoing Program
		Non-English speaking background (NESB) and English as a second language (ESL) schools targeted by the Department of Education Zoomobile focusing on regional areas of NSW and inner city schools, many of which involved students from disadvantaged schools who, for various reasons, were unable to experience a visit at Taronga Zoo.	Ongoing Program

OBJECTIVE	STRATEGIES	ACHIEVEMENTS - 2013 /2014	PROGRAM FOR 2014/2015
		Commenced Community and Aboriginal Programs at both Taronga Zoos, working closely with DOCs to support and provide an educational program to disadvantaged children.	Ongoing Program
		Zoomobile visited approximately 20,000 students. Other people, many of whom were students from disadvantaged schools who, for various reasons, were unable to experience a visit to Taronga Zoo.	Ongoing Program
		The DET Zoomobile delivered the Aboriginal "Animals of the Dreaming" outreach program.	Ongoing Program
		Ensuring support is accessible to ESL students of Taronga Training Institute.	Ongoing Program
	Provide visitor information through foreign language interpretation guides (currently provided in Japanese, Chinese, Korean, Spanish, Vietnamese, German, and French).	Taronga introduced translated maps in a range of languages which were distributed at the Zoo's Information desk.	Ongoing Program
		Taronga launched a free audio tour app, which is available to download in Mandarin. To date there have been 6,000 downloads.	Ongoing Program
	Provide interpretive and directional signs and educational graphics which are more pictorial in nature.	Continued the upgrade of directional signage, and maintenance of interpretive signage. This included installation of visual communication devices (e.g. coloured trails throughout Taronga Zoo marked with ground dots).	Ongoing Program
Promote the zoos and the services of Taronga within ethnic communities	Target visitors of overseas origin through foreign language publications and ethnic print/broadcast media.	In accordance with Premier's Department Guidelines, Taronga continues its commitment to expending 7.5% of its advertising budget on advertising Taronga's services throughout the ethnic community.	Ongoing Program
		Taronga undertook advertising in a variety of pre and post arrival publications in foreign languages, with greater focus on Asian countries such as China, Japan and Korea.	Ongoing Program
		Taronga Zoo's Tourism team targets groups and independent travellers from all overseas countries via sales missions to in-market tour operators, advertising, and promotions.	Ongoing Program
		Zoo Education targets in-bound student travel organisations including JTB, Kintestu, Jalpak, and foreign language schools.	Ongoing Program
		Taronga Zoo received significant media exposure through SBS Radio and Television.	On-going Program to ensure access for all ethnic media
		Quarterly PR media mailout included ethnic/community press and broadcast media.	Ongoing Program
		PR department at both zoos hosted various media teams from overseas countries.	Ongoing Program

OBJECTIVE	STRATEGIES	ACHIEVEMENTS - 2013 /2014	PROGRAM FOR 2014/2015
Promote, respect and accommodate cultural difference amongst Taronga staff	Continue to provide opportunities through Taronga's work experience program particularly for NESB people.	School student work experience program continues to deliver opportunities to significant numbers of NESB students.	Ongoing Program
	Providing policies in accordance with the <i>Multiculturalism Act 2000</i> eg Holy Days Religious Duty Policy.	Religious Duty Policy reviewed and updated.	Updated annually
	International volunteer keeper program allowing overseas students and Keepers to work in Australia.	Keeper exchange program continued with two international exchanges during the period.	Ongoing
Continuing development of Taronga's Intranet.	Provide and disseminate information on Multicultural Policies and Services Program (MBSP).	Taronga MPSP placed on Intranet to ensure staff accessibility.	Updated annually
Ensure Taronga's recruitment activities support MBSP	Ensure all Taronga offers of employment include a condition requiring employees to agree to support values of cultural diversity, equity and ethical practice, and a healthy, safe and fair workplace.	Continue to support identified positions across various areas within the zoo. Developed an indigenous tour program staffed by indigenous employees.	Continue to support ethnic-specific positions in key service delivery roles.
	Ensure a range of vacant positions at both zoos are made known to a selection of organisations with multicultural community reach.	A range of zoo vacancies were directly advertised with several multicultural organisations.	Ongoing
		A selection of zoo vacancies were created and appointed as indigenous roles at both Zoos.	Ongoing
Promote understanding of multicultural communities	Provide opportunities to increase understanding of and experience multicultural communities.	Continued focus on the challenges faced by multicultural communities in the home countries of environmental and wildlife conservation programs supported by the zoos (e.g. Coltan mining in Great Ape habitat; use of habitat rainforest timber). Taronga is a "Champion" of the TA-led Indigenous Tourism Champions Program (ITCP).	Ongoing

APPENDIX 22

Internal Audit and Risk Management Attestation for the 2013-2014 financial year for Taronga Conservation Society Australia

I, Leonard F Bleasel AM, am of the opinion that the Taronga Conservation Society Australia (Taronga) has internal audit and risk management processes in place that are, excluding the exceptions described below, compliant with the core requirements set out in Treasury Circular NSW TC 09/08 Internal Audit and Risk Management Policy.

I am of the opinion that the internal audit and risk management processes depart from the following core requirements set out in Treasury Circular NSW TC 09/08 and the (a) the circumstances giving rise to these departures have been determined by the Portfolio Minister and (b) Taronga has implemented the following practicable alternative measures that will achieve a level of assurance equivalent to the requirement:

Ministerially Determined Departure	Reason for Departure and Description of Practicable Alternative Measures Implemented
<p>Core Requirement 3 Taronga has appointed three independent members of the Board as members of the Audit and Risk Committee. The members are not nominated on the Government Audit and Risk Committee prequalification scheme.</p>	<ul style="list-style-type: none"> The three Taronga Board members of the Audit and Risk Committee have had significant experience in financial and risk management in both the public and private sectors. Board members by virtue of their duties are aware of the operating activities and inherent risks of the organisation. Significant savings in time and costs (no additional remuneration) in having members of the Audit and Risk Committee. The ASX Corporate governance principles (March 2014) recommend that the Audit Committee consist only of non-executive directors.

I am of the opinion that the Audit and Risk Committee for Taronga is constituted and operates in accordance with the independence and governance requirements of Treasury Circular NSW TC 09/08. The Chair and Members of the Audit and Risk Committee are:

- Independent Chair – Ms Nancy Fox
- Independent Member 1 – Clr Roy Bendall
- Independent Member 2 – Ms Catherine Strassberg

These processes, including the practicable alternative measures being implemented, provide a level of assurance that enables the senior management of Taronga to understand, manage and satisfactorily control risk exposures.

LF Bleasel AM
Chairman
Taronga Conservation Society Australia

APPENDIX 23

Credit card certification

Taronga has approved credit cards for the payment of expenses. The use of credit cards during 2013/14 was in accordance with the Premier's Memoranda and Treasurer's direction.

APPENDIX 24

Annual Report external production costs

No external production costs were incurred in the preparation of the Taronga Conservation Society 2013/2014 Annual Report.

APPENDIX 25

Funds granted to non-government community organisations

Name of recipient organisation	Amount of Grant	Program Area
<p>Community Conservation Program</p> <p>TRAFFIC - to support TRAFFIC's Wildlife Crime data analysis capability, to build understanding of illegal wildlife trade across the region, prioritise response action and highlight needs for increased enforcement resources.</p>	\$40,000	\$20,000 from the Taronga Foundation and \$20,000 from the Taronga Green Grants program. Managed by the Life Sciences, Research and Conservation (LSRC) Division.
<p>Field Conservation (Partnerships and field grants)</p> <p><i>Keeping Supayang Wild</i> Recipient: Wildlife Asia Working with Wildlife Asia to increase the land area of the Supayang Reserve in Sumatra, protecting the biodiversity and providing essential habitat for species including clouded leopards and the critically endangered Sumatran Tiger.</p>	\$10,000	Taronga Foundation, managed by the LSRC Division.
<p><i>Banking on Cane Toad Predators</i> Recipient: Monash University Building a Kimberley Ark to preserve viable levels of genetic diversity in three species of Australian monitor lizard, threatened by the cane toad expansion.</p>	\$17,000 over two years	Taronga Foundation, managed by the LSRC Division.
<p><i>Stopping Poaching in Zambia</i> Recipient: South Luangwa Conservation Society Taronga continues its support of the excellent work of South Luangwa Conservation Society's anti-poaching patrols and veterinary interventions to rescue and treat wildlife.</p>	\$11,640	Taronga Foundation, managed by the LSRC Division.
<p><i>Defending Uganda's Forests</i> Recipient: New Nature Foundation Taronga joins with the New Nature Foundation again to continue reducing exploitation of the Kibale National Park and improving community resources by planting trees and building energy efficient stoves.</p>	\$8,500	Taronga Foundation, managed by the LSRC Division.
<p><i>Wild Dog Protection</i> Recipient: African Wildlife Conservation Fund Protection of the Zimbabwean wild dog populations threatened by habitat loss, wire snaring, disease and human persecution through education, anti-poaching and health initiatives.</p>	\$15,000 over two years	Taronga Foundation, managed by the LSRC Division.
<p><i>Protecting the Tapir</i> Recipient: Instituto de Pesquisas Ecologicas (IPE) Taronga proudly continues its support for the Lowland Tapir Conservation Initiative to expand their efforts to conserve tapirs and their habitats throughout Brazil.</p>	\$20,000 over two years	Taronga Foundation, managed by the LSRC Division.
<p><i>Asia Wide Dhole Conservation</i> Recipient: Smithsonian Institution Developing an Asia-wide conservation strategy for the endangered Dhole.</p>	\$17,000 over two years	Taronga Foundation, managed by the LSRC Division.
<p><i>360° Snow Leopard Conservation</i> Recipient: National Trust for Nature Conservation and the Snow Leopard Conservancy Advancing community-based stewardship of the Snow Leopard through education, research and grassroots conservation action.</p>	\$14,160 over two years.	Taronga Foundation, managed by the LSRC Division.
<p><i>Preventing Human-Elephant Conflict with Bees</i> Recipient: Niassa Carnivore Project A pilot program to test and examine the use of beehive fences as a long-term and effective method of reducing elephant crop raiding. The program is community based, sustainable and alleviates elephant deaths due to Human-Elephant conflict.</p>	\$8,760	Taronga Foundation, managed by the LSRC Division.

Name of recipient organisation	Amount of Grant	Program Area
<p><i>Sumatran Tiger Habitat Protection</i> Recipient: Save Indonesian Endangered Species Way Kambas National Park is the last protected lowland habitat for the critically endangered Sumatran Tiger, and is also home to many of its prey species. The project delivers long-term habitat protection over the 300sq km target area.</p>	\$10,000	Taronga Foundation, managed by the LSRC Division.
<p><i>Borneo Wetland Revival</i> Recipient: The Orang-utan Tropical Peatland Restoration of the 600,000 hectare Sabangau Forest from damage caused by illegal logging activities. The forest is home to a wealth of biodiversity including the largest population of the endangered Orang-utan, hornbills, gibbons, Clouded Leopards and Sun Bears.</p>	\$19,914 over two years	Taronga Foundation, managed by the LSRC Division.
<p><i>Aquaponics for Conservation</i> Recipient: Selamatkan Yaki, Indonesia Providing village aquaponic systems to alleviate pressure from destructive agricultural practices which pose a major threat to the survival of Sulawesi Crested Black Macaques.</p>	\$20,000 over two years	Taronga Foundation, managed by the LSRC Division.
<p><i>Watching over Bongo</i> Recipient: Bongo Surveillance Project A vital surveillance program to protect the Eastern Bongo, which is critically endangered, and lives in small, isolated groups, with possibly fewer than 100 individuals remaining in the wild.</p>	\$9,000	Taronga Foundation, managed by the LSRC Division.
<p><i>Population and Habitat Viability Analysis for Queensland Greater Bilby</i> Recipient: Save the Bilby Fund A Population and Habitat Viability Analysis workshop organised in partnership with IUCN (International Union for the Conservation of Nature), Species Survival Commission (SSC) and the Conservation Breeding Specialist Group (CBSG) to build a science-based conservation action plan for the recovery of bilbies in Queensland.</p>	\$10,000	Taronga Foundation, managed by the LSRC Division.
<p><i>Reducing Human-Wild Dog Conflict in the Ruaha Landscape</i> Recipient: Wildlife Conservation Research Unit, University of Oxford The project supports the use of specialised livestock guarding dogs in the region to reduce attacks by wild dogs, and community education and training programs to educate locals about carnivores, conservation and best-practice livestock protection.</p>	15,000	Taronga Foundation, managed by the LSRC Division.
<p><i>Support to Wildlife Protection Unit (WPU) at Bukit Tigapuluh, Indonesia</i> Recipient: The Australian Orang-utan Project WPUs have been recruited, trained and equipped to address illegal logging and poaching through community enforcement in the biologically valuable Bukit Tigapuluh landscape.</p>	\$27,500	Taronga Foundation, managed by the LSRC Division.
<p><i>Protecting the Carnaby's Black Cockatoo in Western Australia</i> Recipient: BirdLife Australia The project changes landholder behaviour by working with farmers to identify a key natural resource asset that they possess – nesting sites and feeding habitats for Carnaby's Cockatoos – and then to determine appropriate actions to conserve that asset.</p>	\$10,000	Taronga Foundation, managed by the LSRC Division.
<p><i>Komodo Dragon population monitoring program</i> Recipient: Komodo Survival Program (KSP) KSP works to protect and conserve the Komodo Dragon, its habitat and food sources, as well as training local staff to conduct monitoring and research to protect the dragon.</p>	\$3,750	Taronga Foundation, managed by the LSRC Division.
<p><i>International Rhino Foundation</i> Recipient: International Rhino Foundation Taronga is a founding member of the International Rhino Foundation (IRF) and continues to support many of its conservation activities and programs in both Asia and Africa.</p>	\$27,512	Taronga Foundation, managed by the LSRC Division.

Name of recipient organisation	Amount of Grant	Program Area
<p><i>Tchimpounga Chimpanzee Rehabilitation Centre</i> Recipient: Jane Goodall Institute Taronga supports veterinary services, medical expenses, the establishment and renovation of the release site, program operational costs and other operational and administration costs to manage the Tchimpounga sanctuary.</p>	\$30,000	Taronga Foundation, managed by the LSRC Division.
<p><i>Platypus Conservation</i> Recipient: Australian Platypus Conservancy Support to a research program that investigates alternatives to reduce the incidence of platypus being caught as bycatch in yabby traps. The work is also investigating potential variations between the escape of small platypus (i.e. essentially juvenile and sub-adult animals) and larger animals.</p>	\$10,000	Taronga Foundation, managed by the LSRC Division.
<p><i>Biliqo Bulesa Conservancy - support to wildlife rangers</i> Recipient: Northern Rangelands Trust Improving the security of wildlife by creating a safer ground for their movement and enhancing the rangeland health through sound environmental practices to support both wildlife and livestock. Also supports community needs by diversification of their revenue through tourism and bead work.</p>	\$20,000	Taronga Foundation, managed by the LSRC Division.
<p><i>Community-based conservation of Madagascar's spiny forests</i> Recipient: Omaha's Henry Doorly Zoo and Aquarium, Madagascar Biodiversity Partnership and Conservation Fusion Education Promoting Reforestation Project (EPRP) that uses the seed dispersing ability of the Ring-tailed Lemur to restore and establish the natural habitat in Lavavolo, Madagascar.</p>	\$14,525	Taronga Foundation, managed by the LSRC Division.
<p><i>Cross River Gorilla, Cameroon</i> Recipient: Wildlife Conservation Society Construction of a ranger station, operation of a ranger management plan developed to better protect all wildlife in this area. Additionally, a total of 50 schools around Afi Mountain Wildlife Sanctuary and Cross River National Park have benefited from an education campaign.</p>	\$10,000	Taronga Foundation, managed by the LSRC Division.
<p><i>Save the Cassowary signage campaign</i> Recipient: Rainforest Rescue National campaign to educate the general public, increase awareness and raise funds towards addressing the plight of the Southern Cassowary in Australia.</p>	\$550	Taronga Foundation, managed by the LSRC Division.



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Taronga would like to thank HULSBOSCH Communication by Design for its pro bono support in the design of this document.

Design: HULSBOSCH Communication by Design.
Editor: Lisa Keen.

Photo Credits: Front Cover, Save the Tasmanian Devil Program by Tony Britt-Lewis, Back Cover, Wedge Tailed Eagle Training by Toby Zerna, The Daily Telegraph. Original 'For the Wild' campaign concept created by Whybin/TBWA.

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