

Board of the Botanic Gardens and State Herbarium
Annual Report 2014-15



Connecting people to plants

2014-15 Annual Report of the Board of the Botanic Gardens and State Herbarium



Above (l-r): Murdoch Avenue at Adelaide Botanic Garden, Autumn colours in Mount Lofty Botanic Garden and Wittunga Botanic Garden in Summer.

Front cover: Some of the many native endangered South Australian seeds collected by the Botanic Gardens of South Australia's Seed Conservation Centre.

Board of the Botanic Gardens and
State Herbarium

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14 September 2015



Government
of South Australia

Department of Environment,
Water and Natural Resources

Board of the
Botanic Gardens and
State Herbarium



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Letter of Transmittal



Board of the
Botanic Gardens and
State Herbarium



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14 September 2015

Hon. Ian Hunter MLC
Minister for Sustainability, Environment and Conservation
Parliament House
North Terrace
ADELAIDE SA 5000

Dear Minister

In accordance with the requirements of the *Public Sector Act 2009* and Section 23 of the *Botanic Gardens and State Herbarium Act 1978*, I have pleasure in presenting the annual report of the Board of the Botanic Gardens and State Herbarium for the year ended 30 June 2015.

Yours sincerely

A handwritten signature in cursive script, appearing to read 'Judy P. Potter'.

Judy Potter
PRESIDING MEMBER
BOARD OF THE BOTANIC GARDENS AND STATE HERBARIUM

Presiding Member's Foreword

For 160 years the Botanic Gardens and State Herbarium has sought to connect people to plants. The first director of Adelaide Botanic Garden, George William Francis, noted 'a public Garden must be of necessity a nucleus from which emanate a knowledge of plants and a taste for botanical and horticultural pursuits' while affording 'a place of rational amusement for the public.'

While our core business has adapted with the times, Francis' long-term intent has remained – to connect people with plants. We are constantly seeking ways to improve our sites, collections, facilities and public programs to better serve our visitors and community while finding innovative ways to engage a new generation. Today, the Botanic Gardens and State Herbarium play a vital role in making this connection – not only through our three gardens, but through endeavours in plant knowledge, education, conservation, recreation and culture. And in this past year, we've seen some remarkable achievements.

In April the Little Sprouts Kitchen Garden visiting program was officially launched by the Hon. Ian Hunter MLC and the Hon. Susan Close MP. Construction of the first phase of the garden was completed earlier this year and made possible with the generous support of community and industry. The South Australian Government is contributing \$1.6 million over the next four years to support a visiting program tailored to engage children aged three to six years. The Little Sprouts Kitchen Garden program aims to connect children with the source of their food and healthy eating, nature and the environment while providing a hands-on gardening experience in the heart of the city. At the time of writing over 1700 children had been booked into classes for Terms 2 and 3 and classes are booked out for 2015.

Directly adjacent to the Little Sprouts Kitchen Garden is the First Creek Wetland, which opened in 2013, received its first injection of 35ML of water this past winter. This serves as a remarkable demonstration that the wetland not only serves as another beautiful vista for visitors to enjoy, but is on its way to fulfilling its purpose as a future water source for the entire garden. The wetland is also an important educational site, particularly for school students. A unique, curriculum-aligned trail has been developed by the Gardens Education program, focusing on the benefits of wetlands in terms of water protection, environment and conservation.

In December we saw the launch of the stunning *Postcards from the Edge of the City* exhibition in our world-renowned Santos Museum of Economic Botany. Presenting 300 postcards from the Edwardian era (1901-1914) of Adelaide Botanic Garden and Botanic Park, the images and hand-written messages provide a marvellous insight into lives of everyday Adelaideans from 100 years ago. The exhibition was accompanied by a 600 page catalogue, *Out of the past: views of Adelaide Botanic Garden* which went on to win the National award for best book at the 2015 Museums Australia Multimedia and Publication Design Awards (the second year straight, with our *Imitation of Life* catalogue winning last year!) I take this opportunity to congratulate all involved in this wonderful success.

December also saw the State Herbarium celebrate its 60th Anniversary. As South Australia's centre for the collecting, documenting and researching native and naturalised plants, algae, lichens and fungi, the Herbarium contains more than one million plant specimens. The Herbarium continues to publish and disseminate its research and knowledge and remains the critical South Australian asset for understanding our native and naturalised flora. The Herbarium also plays a vital role in educating the next generation of botanists. This past year more than 60 final year university undergraduate students from the University of Adelaide and Flinders University were trained in herbarium practises and the use of herbarium materials.

The South Australian Seed Conservation Centre continues to strive to safeguard our state's threatened native plant species from extinction. Seeds are the primary building blocks that allow landowners and practitioners to restore and revegetate degraded environments. The Centre was established by the Botanic Gardens and State Herbarium in 2002 and for more than a decade the Centre has been helping to conserve South Australia's threatened plant species and support on ground restoration. So far 175 million seeds have been collected and stored in the seed bank and this year I can report that we have conserved 67.5% of South Australia's threatened flora. The cover of this report presents some of the Centre's beautiful and unique discoveries.

Construction of the Visitor Pavilion in Mount Lofty Botanic Garden commenced earlier this year. The pavilion will offer visitors a place of respite while serving as a meeting point for

guided walks and other activities. On behalf of the Board, I am pleased to confirm the naming of the pavilion in memory of the late Mrs Chris Steele Scott OAM, a past-employee of the Board of the Botanic Gardens and State Herbarium, past President of the Friends of the Botanic Gardens and a long-time supporter of the Botanic Gardens and State Herbarium. Mrs Steele Scott's husband Nigel turned the first sod in March and we hope the Steele Scott family find comfort in this tribute. Construction is due for completion in Spring 2015. I acknowledge the hard work and dedication of the Mount Lofty Botanic Garden Support Group who have taken an idea from vision to reality. The Support Group has led the design development with Uni SA, effectively raised funds and in-kind support, and project managed the building. This is a remarkable achievement and I'd particularly like to acknowledge Support Group Chair the Hon. David Wotton AM and the tireless efforts of David Gilbert.

With all of the successes of the Botanic Gardens and State Herbarium during the past year, the Board remain vigilant in preparing for challenges into the future. Budget-savings measures will require us to make decisions and devise strategies to mitigate any long-term impact on the Gardens and Herbarium. New opportunities and partnerships will be sought. As a treasured South Australian asset we remain world leaders in the fields of botany, horticulture, and curation. Continuing this important work requires a robust business plan and the development of strong community, corporate and philanthropic partnerships. Through the work of the Adelaide Botanic Gardens Foundation, we have attracted significant support from corporate partnerships and generous community giving through fundraising appeal campaigns. Work in this field is vital and will continue. Funds raised from philanthropic support go a long way in supporting our programs, services and sites. On behalf of the Adelaide Botanic Gardens Foundation's Chair David Knox and the Committee, I thank all who have supported over the past year.

Significant changes in the infrastructure of our vibrant city will also have impact on our future decision-making. With the O-Bahn extension improving commuter times for passengers from the city's northeast corridor, we are working closely with authorities and agencies involved in the works and our priority is to seek minimal impact on the Gardens and the best possible outcomes for our visitors. And with the imminent relocation of the Royal Adelaide Hospital to the

western end of North Terrace, the redevelopment of the current hospital site on the south-western boundary of Adelaide Botanic Garden is of great interest to the Board.

In the significant accomplishments of the Botanic Gardens and State Herbarium, I take this opportunity to extend my sincere appreciation to the many that enable us to undertake the work that we do. The Friends of the Botanic Gardens of Adelaide, a loyal and dedicated group of people who volunteer their time to ensure visitors can make the most of their experiences within our Gardens are exemplars of community spirit. Their hard work does not go unnoticed. To Bodo Jensen, President of the Friends, who works tirelessly to lead this 900-strong group toward engaging the community with the work we do, thank you.

My fellow Board Members are leaders in their respective fields. It is a pleasure to work with each and every one of them in a shared vision of leading this world-class cultural institution. They continue to provide outstanding advice and leadership and for that, I remain grateful. I would particularly like to acknowledge the significant contribution of retiring Board members Anne Howe and Helena Jenkinson throughout their terms.

I also extend my gratitude to the following individuals for their support over the past year; the Hon. Ian Hunter MLC, Minister for Sustainability, Environment and Conservation; Allan Holmes, former Chief Executive Officer of the Department of Environment, Water and Natural Resources (DEWNR); Sandy Pitcher, current Chief Executive Officer of DEWNR and; Stephen Forbes, Director of the Botanic Gardens and State Herbarium, for his outstanding leadership.

Finally, I acknowledge the entire staff of the Botanic Gardens and State Herbarium. This hardworking group of individuals work tirelessly to ensure George Francis' initial vision for the Gardens are fulfilled on a daily basis.

Thank you



Judy Potter
Presiding Member
Board of the Botanic Gardens and
State Herbarium

Director's Report

Plants are the basis of life. Plants provision our home with food, oxygen and water. Plants are the basis of our past, present and future.

The Botanic Gardens and State Herbarium are a collections-based cultural institution founded on South Australia's rich heritage of herbarium, living and cultural collections. The living collections evident in our Gardens are what make the Gardens the most visited and loved attraction in South Australia. From the crop of lucerne we've recently sowed in the City Crop in Adelaide Botanic Garden, to the rare and astonishing titan arum *Amorphophallus titanum* at our nursery in Mount Lofty Botanic Garden the living collections, and especially their galleries in Adelaide, Mount Lofty and Wittunga Botanic Gardens remain vital and relevant to South Australians and to tourist visitors.

With approximately 1.8 million visitors across the three Gardens, the living plant galleries are fundamental South Australians. The state's richest and most beautiful gardens, owned by the community, provide the fabric for memories treasured by South Australian families.

For the 175th Anniversary of the Royal Agricultural and Horticultural Society of South Australia the Botanic Gardens returned to the Royal Adelaide Show in 2014. Our City Crop, featuring corn, engaged with 15 000 people in a 10 day period. The partnership with the Society dates back to 1855 when the Society was instrumental in the foundation of Adelaide Botanic Garden at its current site. The City Crop stall at the Royal Show distributed heirloom sweet-corn seeds (supplied by the Diggers Club) and a fun interactive poster encouraging families to sign up to the City Crop e-Newsletter. This opportunity allowed the Gardens to connect people with where their food comes from and directly engage with over 3500 families (via email). Subscribers were invited back to the Garden for our Corn Planting and Harvesting days to plant and pick the corn over a three-month period, with almost 800 children participating.

Our Green Infrastructure project has taken significant steps to extend the richness of the state's botanic gardens into Adelaide and country centres. Green spaces are critical to our well-being and quality of life, and the evidence-

base illustrates that Green Infrastructure will significantly improve the health, liveability and sustainability in urban environments.

In October 2014, the *Economic Botany Today* master class offered the community the opportunity to learn from one of the world's greatest living botanists, Professor David Mabberley. The course enabled participants to form a deeper understanding about our daily encounters with the plant kingdom. Topics covered include food, textiles, medicines, drugs, dyes, pesticides and perfumes. This two-day experience shared comprehensive information about the fascinating human side of plant-animal interactions. The sold-out course also provided attendees with a far deeper understanding of plants, how they have shaped our past and how they can impact our future.

December saw Adelaide Botanic Garden host Professor John Dixon Hunt as anchor to the *Out of Time* symposium in the Santos Museum of Economic Botany. The nineteenth century Museum provided a wonderful setting for the sharing of ideas from invited international speakers. The symposium papers are proposed to be published in a special issue of *Studies in the History of Gardens & Designed Landscapes: An International Quarterly*.

This last year has seen a significant increase in the public programming and events space. Sharing our garden with community is an important measure of our success. On average, one event was held every week. I was delighted with the launch of the Gardens Botanic Ale. Working in partnership with Coopers Brewery, Lobethal Bierhaus, Joe White Maltings and the South Australian Research and Development Institute, the barley produced from our previous years' City Crop was malted and brewed into a limited edition beer. Seeing the barley harvested from the Gardens transformed into Botanic Ale was a treat for visitors and staff. Most importantly the connection between people and plants reached a new audience. Well-planned events such as this are important components of our core-business - they allow us to connect with unique audiences and generate important partnerships vital to the Gardens' future. I thank the whole Gardens' team for the outstanding work undertaken throughout the past year.

A key focus for the Gardens has been collections development. Over 40 000 plants were propagated in the nursery at Mount Lofty including over 3000 corn plants for the City Corn Crop project and a similar number for the Little Sprout Kitchen Garden. Nursery staff provide advice and assistance to all horticultural staff, all the while, conducting research into charismatic plants such as *Amorphophallus titanum* - which we hope to see flower within the next year or two.

In achieving the targets set in our strategic plan, and with full endorsement from the Board, the Gardens' number one priority is the health, safety and wellbeing of all staff. I am delighted to report that as of 30 June 2015 the Gardens team has achieved a total of 1556 days without Lost Time Injuries. This represents 669 240 hours worked without a lost time injury - a remarkable achievement. However, our target is to reach one million hours without an LTI within the next two years requiring a continuing commitment.

The Australian Centre of Horticultural Excellence has provided the Botanic Gardens and State Herbarium with a unique opportunity to contribute to horticultural training for industry. Twenty-two students graduated Certificate II and III tertiary courses in 2014-15, paving the way for future careers in gardening and horticulture. In addition to this, over 100 members of the public completed paid Master Classes in topics ranging from plant propagation to arid and semi-arid gardening.

The Board of the Botanic Gardens and State Herbarium is actively involved in discussions and consultation regarding the redevelopment of the current Royal Adelaide Hospital site. The future of the hospital site, which currently borders Adelaide Botanic Garden's south-western boundary, will have significant impact on the Garden. Our responsibility will be to ensure the best possible outcomes for the Gardens, the botanical collections, our visitors and for South Australia.

As this report will highlight, the scope of the work conducted by the Botanic Gardens and State Herbarium reaches far beyond the visitor experience within our Gardens. While this is the most visible component of the Board's charter, the cultural and scientific programs evident

in the events and publications, education and knowledge programs conducted by the Gardens and Herbarium staff built on the botanical collections is rich and fundamental to South Australia's botanical riches, and consequently, to South Australians. Continuing our important work requires constant improvement to our business practices, and the fostering of strong community and philanthropic partnerships remains essential to our future successes.

In closing, I take this opportunity to acknowledge everyone who has supported our work this past year financially, or through volunteering efforts.

I extend my thanks to our hardworking team of staff and volunteers, the Adelaide Botanic Gardens Foundation, the Friends of the Botanic Gardens of Adelaide, and our partners and sponsors – thank you. I would especially like to recognise Deputy Director Trevor Christensen for his support of the Gardens over the last 37 years – I wish him all the best in his retirement.

Finally, my personal thanks go to the Hon. Ian Hunter MLC, Minister for Sustainability, Environment and Conservation; Sandy Pitcher, Chief Executive of DEWNR; Judy Potter, Presiding Member of the Board of the Botanic Gardens and State Herbarium; David Knox, Chair of the Adelaide Botanic Gardens Foundation; and Mr Bodo Jensen for his remarkable leadership as President of the Friends of the Botanic Gardens of Adelaide.



Stephen Forbes

Director
Botanic Gardens and State Herbarium



@StephenJForbes

The Botanic Gardens and State Herbarium

Adelaide Botanic Garden and Botanic Park



For more than 150 years Adelaide Botanic Garden has played a significant role in the cultural life of South Australians. With approximately 1.149 million visitors a year at the Adelaide Garden and 1.8 million across the three sites, the botanic gardens are the most popular of the State's cultural institutions. Adelaide Botanic Garden's 23 hectares are regarded by the community as a place for relaxation, entertainment, recreation, education, and research into collections of botany, ecology and horticulture.

Botanic Park, which was established in 1870 as an arboretum, is a significant heritage landscape adjacent to Adelaide Botanic Garden. Dotted with century-old Moreton Bay Figs, the 27 hectare park is popular for picnics, weddings, photography, filming and major events.

Mount Lofty Botanic Garden



Mount Lofty Botanic Garden opened to the public in 1977, following the purchase of the estate of Thomas Backhouse in 1952. A substantial program to establish landscaping, visitor amenities and cool-climate collections transformed it from an estate thick with regrowth Stringy Bark forest and Radiata Pine plantations into a major Adelaide Hills tourist attraction devoted to the cultivation of plants from cool temperate parts of the world. The garden today, which covers 97 hectares, includes collections of Magnolias, Rhododendrons, Ferns and the ATCO Heritage Rose Garden.

Wittunga Botanic Garden



Wittunga, meaning 'beside water', was established as a private home by Edwin Ashby in 1902. The original property was based on a formal English design including extensive apple and pear orchards and a number of South African plants. In 1971 it was bequeathed to the Botanic Gardens of South Australia by Edwin's son Keith Ashby and was opened to the public as a botanic garden in 1975.

An intimate and beautiful 14 hectare garden, today Wittunga highlights the relationship between South African and Australian shrub and tree species. The garden's displays of South African and Australian plants are especially spectacular in spring, and include rich collections of Erica, Leucadendron and Protea, which are complemented by exotic and unusual bulbs and colourful annuals. The majority of the plants from South Africa come from the Cape Province district, which has a climate similar to Adelaide's.

State Herbarium



Located in the refurbished Tram Barn A in Adelaide Botanic Garden, the State Herbarium is the fourth largest herbarium in Australia containing more than one million plant specimens. It is the state's centre for the preservation of native and naturalised plants, algae, lichens and fungi. The Tram Barn is a hub of scientific expertise and also houses several teams from the DEWNR Science Monitoring and Knowledge Branch, as well as the University of Adelaide's Australian Centre for Ancient DNA. Data gathered by the Herbarium has a wide range of applications in research and education, and aids in the identification of new plant species and detection of rare or threatened species.

Plans and Objectives

The Board's Strategic Plan 2012-2017

The Board of the Botanic Gardens and State Herbarium provides advice to the Minister for Sustainability, Environment and Conservation (the Minister) on the State Herbarium and three garden sites, Adelaide Botanic Garden and Botanic Park, Mount Lofty Botanic Garden and Wittunga Botanic Garden.

The Board is guided by the *Botanic Gardens and State Herbarium Act 1978*, and the Board's role and functions are set out in more detail in the Role, Legislation and Structure section of this report.

Over the past year the Board has also been guided by the Botanic Gardens and State Herbarium Strategic Plan 2012–2017.

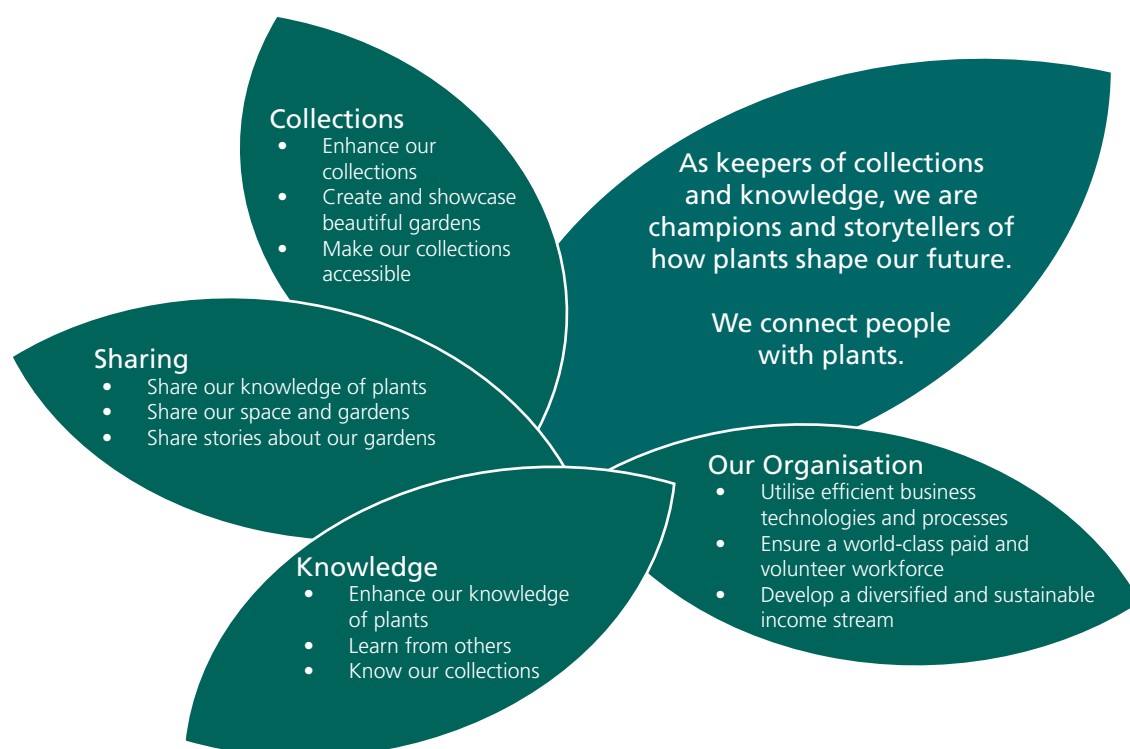
In formulating the plan the Board was informed by the International Agenda for Botanic Gardens in Conservation's definition of a botanic garden as a, 'cultural institution holding documented collections of living plants for the purpose of scientific research, conservation, display and education'.

It follows that the strategic plan 2012–2017 positions the Botanic Gardens and State Herbarium as keepers of collections and knowledge and champions and storytellers of how plants shape our future.

The Board aspires to be:

- unsurpassed in sharing knowledge of plants
- at the forefront amongst world leaders in scientific endeavours, and resolved to meet future challenges
- agile in all aspects of its business to maintain relevance to the community
- sought after for strong partnerships
- inspirational to visitors through the beauty and diversity of plants and displays.

The strategic plan is set out according to four themes, collections, knowledge, sharing, and our organisation, with three key objectives under each theme. This report sets out achievements over the past year measured against key performance indicators.



Contribution to South Australia's Strategic Plan 2011

The Board continues to play an important role in achieving South Australia's Strategic Plan (SASP) targets, and contributes to the State Government's broader strategic priorities to create a vibrant city, safe communities and healthy neighbourhoods; and every chance for every child.

In particular, the Board contributes to fifteen of the 100 targets outlined in the plan.

Target 1: Urban spaces

Increase the use of public spaces by the community

With approximately 1.8 million visitors annually, the Botanic Gardens and State Herbarium is the state's most visited cultural and scientific institution. To attract visitors and ensure enjoyable and engaging visitor experiences, events, activities and education programs are run throughout the year.

Target 3: Cultural vibrancy – arts activities

Increase the vibrancy of the South Australian arts industry by increasing attendance at selected arts activities by 150% by 2020

The Botanic Garden's sites continue to be highly sought-after venues for spectacular artistic and cultural events including WOMADelaide, Moonlight Cinema, SA Living Arts Festival and the City Crop project. Attendance at these events continues to grow and the Gardens continually seek new opportunities.

Target 4: Tourism industry

Increase visitor expenditure in South Australia's total tourism industry to \$8 billion and on Kangaroo Island to \$180 million by 2020

Visitors to South Australia continue to prioritise the Botanic Gardens as a must-visit destination. TripAdvisor (tripadvisor.com.au) consistently ranks Adelaide Botanic Garden as number one on their 'Things to do in Adelaide' page, with an average rating of 4.5 stars out of 5. In 2015, TripAdvisor awarded Adelaide Botanic Garden with a Certificate of Excellence based on user reviews. With increased exposure to local, national and international audiences through social media activity the Gardens aims to be front-of-mind for visitors to South Australia. Popularity amongst tourists provides the state with direct economic benefits including increased tourism spend and significant investments in capital programs and services.

Target 21: Greater safety at work

Achieve a 40% reduction in injury by 2012 and a further 50% reduction by 2022

The Botanic Gardens and State Herbarium are leaders in work-safety. In March 2015, Gardens' staff reached the milestone of four years without a Lost Time Injury (LTI). Such an achievement can only be made possible through genuine care and respect for the health and safety of all staff. This achievement has been publicly acknowledged and staff thanked for their consideration of one another.

Target 24: Volunteering

Maintain a high level of formal and informal volunteering in South Australia at 70% participation rate or higher

Volunteer activity has remained vital to the Botanic Gardens and State Herbarium with over 44 000 hours contributed in 2014-15. The contribution of volunteers should not be underestimated, they work tirelessly across the three Gardens, in the State Herbarium and South Australian Seed Conservation Centre, with the Friends of the Botanic Gardens, within education programs and with the Adelaide Botanic Gardens Foundation.

Target 28: Aboriginal leadership

Increase the number of Aboriginal South Australians participating in community leadership and in community leadership development programs

Indigenous consultation has been a major component for development of the interpretive plan and interpretative materials for the First Creek Wetland development, with indigenous plant use and significance highlighted. Community and school education initiatives incorporate traditional plant knowledge into activities and resources and through the engagement of traditional guides and instructors.

Target 31: Chairs of boards and committees

Increase the number of women chairing State Government boards and committees to 50%

The Board of the Botanic Gardens and State Herbarium remains committed to the target of increasing the number of women chairing State Government boards and committees by 50%. Judy Potter has chaired the Board of the Botanic Gardens and State Herbarium since July 2010 and in 2014-15 the Board's membership was made up of three men and five women.

Target 32: Customer and client satisfaction with government services

Increase the satisfaction of South Australians with government services by 10% by 2014, maintaining or exceeding that level of satisfaction thereafter

A visitor perception survey conducted at Adelaide Botanic Garden in 2014 indicates that customers and clients are very satisfied with the services offered by the Gardens, with an average satisfaction rating of 6.1 out of seven.

At the time of writing, Tripadvisor.com.au also lists Adelaide Botanic Garden as the number one destination for 'things to do in Adelaide' earning a 'Certificate of Excellence' in 2015.

Target 61: Energy efficiency – government buildings

Improve the energy efficiency of government buildings by 30% by 2020

The Board of the Botanic Gardens and State Herbarium is constantly seeking new ways to improve the energy efficiency of buildings across its sites, with much of the maintenance of the Goodman Building and the State Herbarium building (Tram Barn A) targeted at energy efficiency. Energy efficient heating and cooling has been installed where required and LED lighting has been utilised for all floodlighting and throughout public spaces. The heat in the glass houses at Mount Lofty Botanic Garden Nursery have also been reduced.

Target 65: GreenPower

Purchase renewable energy for 50% of the government's own electricity needs by 2014

A 75 kilowatt solar panel system has been installed on the roof of the State Herbarium building (Tram Barn A) providing renewable energy for the administration offices at Adelaide Botanic Garden and the State Herbarium.

Target 69: Lose no species

Lose no native species as a result of human impacts

The work of State Herbarium and South Australian Seed Conservation Centre aims to lose no native species by increasing knowledge, conducting scientific research and collecting seeds from South Australia's threatened native species ex situ. The Seed Bank currently stores 67.5% of South Australia's threatened flora (up from 64% last year). The State Herbarium provides ongoing authoritative data and advice on the identification and presence of threatened species in the state.

Target 72: Nature conservation

Increase participation in nature conservation activities by 25% by 2015

The Garden's Stewardship of Endemic and Endangered Species (SEEDS) project has continued its engagement with 15 South Australian schools for the purpose of stewardship, education, scientific discovery and the re-introduction of threatened species, directly increasing nature conservation activities in 2014-15.

Target 73: Recycled stormwater

South Australia has the system capacity to harvest up to 35 GL of stormwater per annum by 2025

The First Creek Wetland and Aquifer Storage and Recovery Project will secure water sufficiency for Adelaide Botanic Garden and Botanic Park while improving the water quality of First Creek before it enters the River Torrens. Approximately 35ML of water was injected into the First Creek Wetland in Adelaide Botanic Garden in its first winter injection in 2014-15.

Target 86: Psychological wellbeing

Equal or lower the Australian average for psychological distress by 2014 and maintain thereafter

The Botanic Gardens of South Australia continue to provide a refuge for generations of visitors. Visitor surveys demonstrate that people visit the Gardens to learn about plants, walk and exercise. Botanic Gardens activities, sites and programs, such as the Little Sprouts Kitchen Garden Program and Garden of Health, encourage people to learn about plants and their importance to physical and mental health and wellbeing.

Target 93: Tertiary Education

Increase the proportion of South Australians aged 15-64 participating in tertiary education and training to 17% by 2016

The State Herbarium trained more than 60 final year university undergraduate students from The University of Adelaide and Flinders University in herbarium practises and the use of herbarium materials. The Australian Centre of Horticultural Excellence delivered CERT II and CERT III courses in Horticulture 2014-15, in partnership with TAFE SA. It is a strategic priority for the Board to deliver a high quality horticultural education program to South Australians and make it accessible to as many participants as possible. Eleven students graduated the CERT II course and 11 graduated the CERT III course. A review was conducted in early 2015 to develop strategies to improve the program.



Sharing

- Share our knowledge of plants
- Share our space and gardens
- Share stories about our gardens

2014-15 highlights

- 743 media mentions across print, radio and television (an increase from 675 last year)
- Significant growth in followers and engagement across all social media platforms - Facebook, Twitter, Instagram and YouTube
- Monthly e-Newsletter subscription list grew to 7000 email addresses in 2014-15 (up from 2500 last year)
- 35 school holiday workshops delivered to over 1000 children
- Development of the *Living Adelaide* document, outlining ways to address key issues such as climate change, health and wellbeing, biodiversity, and community cohesion, for a state that is economically, environmentally, socially and culturally sustainable, a major contribution to the State Government's Strategic and Economic priorities
- Official launch of the *Little Sprouts Kitchen Garden* visiting program in Adelaide Botanic Garden by the Hon. Ian Hunter MLC and the Hon. Susan Close MP. By 30 June 2015, over 1700 children had been booked into classes for Terms 2 and 3
- Delivery of 11 capacity building workshops through the Kitchen Garden program with attendance by 410 people
- Fortnightly distribution of the Kitchen Garden e-Newsletter to 1200 subscribers with an average open rate of 52%
- Kitchen Garden program provided direct support to 59 community gardens
- Public judging of roses in the National Rose Trial Garden People's Choice Weekend with 744 public votes counted (up from 570 last year)
- With support from the Mount Lofty Botanic Garden Support Group, construction of the Chris Steele Scott OAM Visitor Pavilion at Mount Lofty Botanic Garden commenced
- Partnered with Coopers, Lobethal Bierhaus, Joe White Maltings and SARDI to brew a limited edition Botanic Ale from barley grown in Adelaide Botanic Garden
- Professional Development provided to 324 South Australian school teachers
- Attracted over 3000 students to World Environment Day celebrations in June
- National Water Week, in October, presented workshops, performances and education sessions to over 1000 students
- Through the events program, organised and/or coordinated 35 events
- *Out of the past: views of Adelaide Botanic Garden* (the catalogue to the Postcards exhibition) won the national 2015 Museums Australia Publication Design Award (MAPDA) for 'best book'
- Reached over 15 000 people at the Royal Adelaide Show and subsequent events through the City Corn Crop project
- Continued to publish blog articles for the Friends of the State Herbarium of South Australia, informing them about events of the State Herbarium, new publications and interesting plants (know.ourplants.org)
- Held tours in the State Herbarium in conjunction with *About Time: South Australia's History Festival*, as well as to many other groups throughout the year
- Trained more than 60 final year university undergraduate students from The University of Adelaide and Flinders University in herbarium practises and the use of herbarium materials. These same students contributed through their activities to new data collection on flowering and fruiting records of herbarium specimens from collections.

Education at Adelaide Botanic Garden

Adelaide Botanic Garden's Schools Education Program continues to deliver high-quality curriculum-linked learning programs, events and performances to South Australian schools. The program utilises the collections at Adelaide Botanic Garden as a living museum for learning about plants, people and culture.

The program is a partnership between the Department for Education and Childhood Development (DECD) and the Botanic Gardens of South Australia, and is coordinated by an Education Manager seconded from DECD.

In 2014-15, more than 18 000 students took part in education programs. Curriculum linked programs, events, performances and activities throughout the year include:

- In partnership with the South Australian Seed Conservation Centre, continuing the Stewardship of Endemic and Endangered Species (SEEDS) project with 15 metropolitan and regional South Australian schools. This environmental project aims to preserve living colonies of endangered and threatened plant species through environmental custodianship by schools over the longer term. It also aims to increase the knowledge in the community and with young people in schools about conservation and the environment. Part of the program includes active science by students in assisting to observe and record information about these species which may be used to enhance plant recovery strategies for these flora. This initiative represents the first long term engagement of the gardens education with schools and the first major connection with regional schools. Experienced teacher Bruce Baker has been contracted to write curriculum based support material for the project. Funding for this has been made available through sponsorship from Beach Petroleum
- Continued interaction with students involved in the SEEDS project through the blog platform on the botanic.sa.edu.au website. Students are blogging their activities and progress, adding pictures, teaching resources, and promoting their work and their endangered plant species
- The SEEDS project has been presented to a large gathering of teachers and professionals at the Biannual Australian Association of Environmental Educators in Hobart. The project will also be presented to the BGANZ national conference in October 2015
- Development of easily accessible multi-touch e-Books through free Apple-based software (iBooks). Discovery trails are now available as PDFs which may be downloaded to e-Books on iPads, removing the need for paper and printing. These are available on the education website, botanic.sa.edu.au
- Working with external partners and contractors to provide performances and workshops that share stories to school students about plants, history, geography, science, language, culture and art. This is best exemplified in National Water Week, World Environment Day and the Plants to Pixels Exhibition of plant photography on a mobile device which is part of both SALA and National Science Week
- Providing a suite of 35 investigation trails for schools with several age level programs in each. The Spice Trail, Wetland Walk and Wetland Science Testing trails are the most recent additions. All trails are directly linked to the Australian Curriculum
- Holding professional learning opportunities for teachers with 12 sessions involving 324 teachers. These include presentations at the National Science Teachers Conference, and the state Visual Arts Teachers conference. Professional learning sessions in conjunction with the Zoo have been highly successful, attracting excellent feedback from teachers
- World Environment Day on 5 June in Adelaide Botanic Garden was the largest celebration of environment in the state attracting over 3000 students, teachers, presenters and parents. The day involved 35 presentation stations with presenters including Botanic Gardens staff, university professors, conservation experts, Government departmental experts, community societies and targeted conservation groups. The program continues to grow each year
- National Water Week in October, sponsored by SA Water, presented workshops, performances and education sessions to over 1000 students, parents and teachers



Students learning about nature photography in the Palm House on World Environment Day 2015

Kitchen Gardens in South Australia

The Kitchen Garden program is a collaborative partnership that encourages people to create their own connection between food, plants and culture and to investigate the social benefits of edible gardening. It aims to develop a social, cultural and environmental understanding of where food comes from, with the Botanic Gardens of South Australia as the central hub for leadership, expertise and education in food literacy and horticultural skills development.

The program concluded in June 2015, however in the last 12 months the following was achieved:

- Supported the delivery of 11 capacity building workshops that were attended by 410 people
- Managed 170 enquiries for support and advice about community kitchen gardening
- Continued to develop and expand a dedicated Kitchen Garden website, reaching a milestone of 21 000 total page views
- Continued fortnightly distribution of the Kitchen Garden e-Newsletter to over 1200 subscribers with an average open rate of 52%
- Provided direct support to 59 South Australian Community Gardens
- Supported five organisations and five local councils with their plans for edible gardening projects.

Beyond 2014-15, maintenance of the popular Kitchen Garden website (kitchengardenssa.com.au) and the fortnightly e-Newsletter will continue.

Little Sprouts Kitchen Garden

In December 2014 construction began on the *Little Sprouts Kitchen Garden* in Adelaide Botanic Garden. Tailored for children aged three to six the Kitchen Garden includes the *Little Sprouts* early years visiting program to connect children with food, nature and the environment.

The program provides opportunities for children to have a hands-on gardening experience in the heart of the city and encourages learning through touch, taste and smell. Run by a qualified Kitchen Garden Educator sessions are 90 minutes long and incorporate play and exploration. A horticultural curator has also been appointed to oversee the garden's planting and maintenance as well as assist with the running of the program.

The Kitchen Garden, designed by OXIGEN, underwent an extensive consultation phase with experts in kitchen gardening and horticulture, cooking, hospitality and childhood education.

Stage one of the garden includes key areas for children to learn about where their food comes from, including garden beds, fruit trees, compost, worms, working bench spaces and enclosed areas for storytelling.

The South Australian Government is contributing \$1.6 million over four years to support the program. In April 2015, Minister for Sustainability, Environment and Conservation the Hon. Ian Hunter MLC and Minister for Education and Child Development the Hon. Susan Close MP formally opened the Garden for classes.

Achievements to date include:

- Successful delivery of autumn/winter crop planting plan
- Development of teaching materials and resources
- Development of a volunteer program
- 1733 children booked into the Little Sprouts program in the first two months, with bookings still open for the remainder of the year



The Little Sprouts Kitchen Garden.



Minister Ian Hunter MLC and Minister Susan Close MP launching the Little Sprouts Kitchen Garden visiting program.

Herbarium extension

The blog of the Friends of the State Herbarium of South Australia (know.ourplants.org) enables Herbarium volunteers and interested members of the public to stay in touch with the organisation's activities. Established at the end of 2013 by Hon. Research Associates, blog posts include news items from the Herbarium, announcements of talks, and new publications. Staff members and volunteers of the Herbarium are also contributing with short reports and images of notable species, or interesting facts about plants and the environment. Views of the blog have increased steadily and there are currently 140 subscribers receiving automatic email updates. 52 blog posts were published in 2014-15. This is one way the State Herbarium successfully interacts with volunteers and the wider community.

Other ways to inform the public about the State Herbarium's activities include brochures on the Herbarium and its collections, as well as the history of the Tram Barn A building, in which the State Herbarium is located. A leaflet on how plants are named is also available. More brochures are in preparation.

Fungal workshops

Hon. Research Associate Pam Catcheside held two full-day workshops on collection and identification of fungi for invited participants who had expressed interest in gaining knowledge of fungi. These were held in the Goodman Building on 30 April and 7 May 2015. Participants included students and community members, Herbarium staff, medical professionals, University and State Government employees. Twelve people attended the first workshop and 13 attended the second.



Hon. Research Associate Pam Catcheside leading a full-day workshop on collection and identification of fungi.

Media recognition

The knowledge of the Botanic Gardens and State Herbarium is highly sought after by local and national media. Media provides a free public voice for the Gardens and Herbarium to communicate to the public. The Gardens averaged two media mentions per day throughout 2014-15 with 743 mentions in total.

Digital strategy and activities

A digital media content plan was developed to schedule and track communications across Facebook, Twitter, YouTube, Instagram and Botanic Gardens of South Australia blogs. As a result, a minimum of 25 social media posts are sent every week (compared to five per week last year).

In light of this increased activity, the Botanic Gardens of South Australia's social media presence has seen a dramatic spike in engagement and interaction with the community. The Gardens Facebook channels have an average weekly reach of 50 000 people and Twitter posts reach approximately 35 500 people weekly.

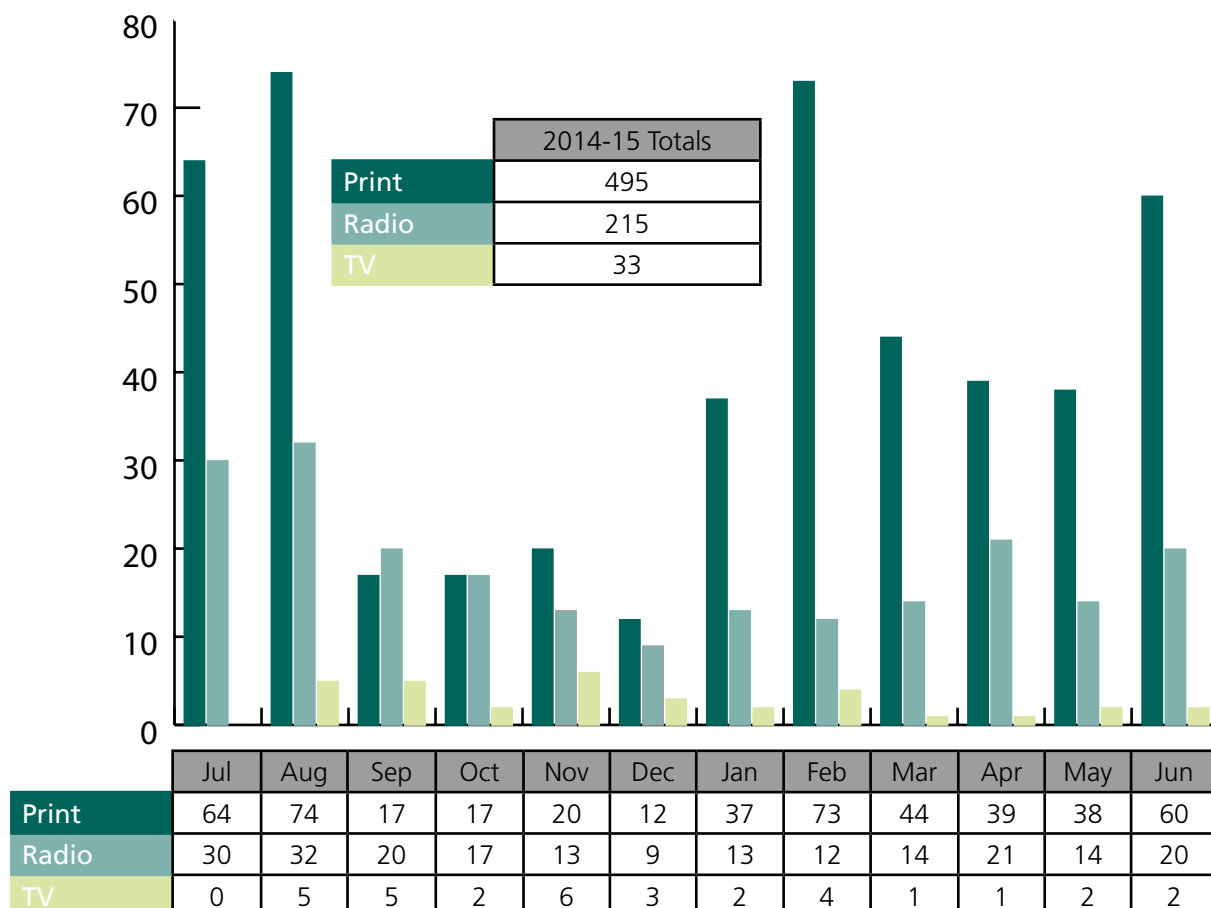
Social media audience as of 30 June 2014

Facebook	7151 followers (3415 last year)
Twitter	860 followers (230 last year)
Instagram	628 followers (72 last year)
YouTube	9529 views (4986 last year)

Work on the Botanic Gardens website (botanicgardens.sa.gov.au) is progressing with an overhaul of the design undertaken with the DEWNR Internet and DEWNR Visual Communications teams.

The new site will feature the Gardens' new visual identity and responsive design for smartphones and tablets.

Media coverage - year summary 2014-15



Chris Steele Scott OAM Visitor Pavilion

The first sod was turned and construction commenced on the Chris Steele Scott OAM Visitor Pavilion in Mount Lofty Botanic Garden on 25 March 2015.

Named in memory of the late Mrs Chris Steele Scott OAM, an ardent supporter of the Gardens, the Pavilion will provide a meeting point for guided walks and other activities.



Nigel Steele Scott (left) with the Hon. David Wotton AM of the Mount Lofty Botanic Garden Support Group turning the first sod.

The Board congratulate the Mount Lofty Botanic Garden Support group for raising the \$300 000 needed to complete the project.

Members of the Support Group have been working closely with the Gardens and the University of South Australia to develop the project.

Mrs Steele Scott's husband Nigel turned the first sod in memory of his wife with Support Group chairman the Hon. David Wotton AM. Construction is due for completion in Spring 2015.

Santos Museum of Economic Botany

The Santos Museum of Economic Botany (SMEB) in Adelaide Botanic Garden originally opened in 1881 and is dedicated to the collection and interpretation of important plants throughout history.

The internationally unique Santos Museum of Economic Botany showcases and presents a rich and diverse exhibition program focussing on the Garden's own collections and those of

South Australia's significant cultural institutions and artists. As a theatre of public instruction, the Museum provides the perfect platform to make strong connections between plants, people and culture, entering into a dialogue with the community around the notions of loss of biodiversity, the avoidance of waste and learning from other cultures.

The Museum houses regular exhibitions. Exhibitions in 2014-15 included:

Urpflanze Street Plants

11 April – 14 September 2014

Urpflanze Street Plants was hosted in the Santos Museum of Economic Botany as part of the 2014 Adelaide Biennial of Australian Art. In this exhibition Caroline Rothwell creates a series of 'uberweeds', referencing Goethe's eighteenth century theory of the Archetypal Plant or Urpflanze. One example in particular features a plant form created from specimens collected by Ben Quilty, a war artist in Afghanistan, which have been embroidered on Australian soldiers' camouflage.

A centrepiece of the exhibition is Newton's Tree, a three metre black PVC sculpture, which contradicts the warmth and richness of the Museum's cabinets but also highlights that fossil fuels were once plants too.

Caroline Rothwell is an important Australian artist, her work featured prominently in the 2014 Adelaide Biennial of Australian Art at the Art Gallery of South Australia.



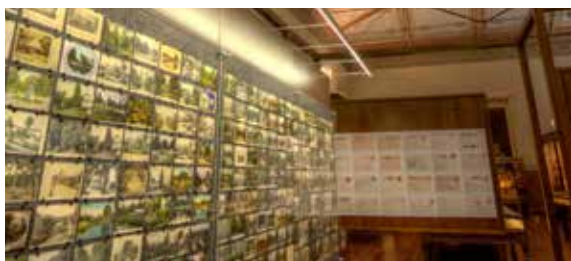
Pieces from the Urpflanze Street Plants exhibition in the Santos Museum of Economic Botany.

Postcards from the Edge of the City

8 December 2014 – 30 June 2015

This exhibition focussed on picture postcards from the Edwardian era (1901-1914), highlighting the not so obvious reality that the period between Federation and World War One was indeed a modern time. This period was also a time of technological change. Einstein published papers on Theory of Relativity and formulated the well-known (but probably less understood) equation $E=mc^2$. The Wright brothers' achievements in flight were about to transform the air space and transportation forever. The rail and the postal systems were already highly sophisticated. Locally, the press of the day was heralding electric trams for our city. The Edwardian era was a time of leisure, affluence and modernity.

Leisure was, and still is, synonymous with the peace, beauty and tranquillity provided by the Botanic Garden – well in excess of one million visitors annually attest to that. South Australians (and visitors) enjoying the idyllic setting of the Botanic Garden on the fringe of the city provides the backdrop to the current exhibition and a new book. The exhibition, *Postcards from the Edge of the City*, presents 300 pocket-sized memories of the much-loved Adelaide Botanic Garden. The images on the front tell one story while the hand-written messages on the back provide a glimpse into everyday life from 100 years ago.



The Postcards from the Edge of the City exhibition in the Santos Museum of Economic Botany.

The accompanying catalogue – *Out of the past: views of Adelaide Botanic Garden* was compiled and edited by Curator, Tony Kanellos with contributions from Professor David Mabberley (University of Oxford), Dr Luke Morgan (Senior Lecturer in Art History and Theory, Monash University), Lisa Slade (Project Curator, Art Gallery of South Australia) and Stephen Forbes (Director, Botanic Gardens of South Australia).

Out of the Past went on to win the National award for best book at the 2015 Museums Australia Multimedia and Publication Design Awards.

Events at the Gardens

South Australian Living Artists Festival (SALA)

Exhibition | The Gardener's Folly by Alison Mitchell, Diggers Garden Shop, Adelaide Botanic Garden | August 2014

The Gardener's Folly, an art exhibition by Alison Mitchell, was held in The Diggers Garden Shop as part of the 2014 South Australian Living Artists Festival (SALA). The opening night attracted over 50 invited guests, including John Hill, chair of SALA (and former Minister for the Arts, Health and the Environment) who officially launched the exhibition. The exhibition was enjoyed throughout the month of August by customers of the Diggers Garden Shop and visitors to the information centre, as well as art enthusiasts.

Botanic Ale Brewing Day

Lobethal Bierhaus | 12 August 2014

Barley grown in Adelaide Botanic Garden's City Crop in 2013 was processed into malt and used to brew a very special, limited edition *Botanic Ale*. The Ale was a collaboration between Coopers Brewery, Lobethal Bierhaus and the Botanic Gardens of South Australia, with support from the University of Adelaide, Joe White Maltings and SARDI/PIRSA. The Brewing Day was attended by Dr Tim Cooper, Director of Coopers Brewery and Alistair Turnbull, Owner of Lobethal Bierhaus.



Dr Tim Cooper (Coopers Brewery), Director Stephen Forbes and Alistair Turnbull (Lobethal Bierhaus) watching over the Botanic Ale at Brewing Day.

Adelaide Marathon

Adelaide Botanic Garden | 29 August 2014

Each year the Adelaide Road Runners Club of SA hold a marathon through the city of Adelaide, which includes the parklands and the Adelaide Botanic Garden. Around 1000 people participated in the Marathon, and enjoyed running through the Garden before the gates opened to the general public.

City Crop on the Yellow Brick Road at the Royal Adelaide Show

5 – 14 September 2014

The Botanic Gardens of South Australia had a stall as part of the Yellow Brick Road at the 2014 Royal Adelaide Show. Participation in the Royal Adelaide Show was a celebration of the Gardens' relationship with the Royal Agriculture and Horticultural Society on their 175th Anniversary. The Society was instrumental in the formation of Adelaide Botanic Garden on its current site and held their first Shows adjacent to where the garden stands today.

Those who participated in the Yellow Brick Road received heirloom sweet-corn seeds (donated by the Diggers Club) and a fun interactive poster, and if they signed up to the City Corn Crop subscription list, they received regular electronic communication related to growing corn at home, and the upcoming City Corn Crop Planting Day.

During the 10 days of the Show a total of 15 000 packets of corn seeds and posters were distributed, and 3500 families subscribed to the Gardens e-Newsletter.



The City Crop stall at the Royal Adelaide show.

Adelaide Youth Orchestra

Adelaide Botanic Garden | 14 September 2014

The Adelaide Youth Strings, an ensemble of over 50 young primary school-aged children, performed a one-hour recital on the Schomburgk Pavilion. The event was part of a series of free outdoor performances. The free concert attracted 120 attendees.

Yoga in Botanic Park

Botanic Park | September 2014 – April 2015

The Adelaide Yoga Community, a not-for-profit organisation that supports community yoga in Adelaide, held a free monthly yoga class in Botanic Park. The classes attracted over 50 people of various ages, and it featured on the front page of *The City* newspaper in March. The classes will recommence in September 2015.

City Crop | Corn Planting Day

Adelaide Botanic Garden | 26 October 2014

Corn Planting Day was a free, family-friendly, community event held in Adelaide Botanic Garden. A total of 230 children and their families attended, planting heirloom sweet-corn seeds in the City Crop. Once children had planted their seeds, they were invited to make their own mini-scarecrows to take home for their own garden, and help the Friends of the Botanic Gardens make large scarecrows to watch over the crop. As the corn grew over the summer months, children and their families received regular e-Newsletter updates on the growth of the corn and an invitation to return and harvest the corn in February 2015.



Children getting ready to plant their corn seeds in the City Crop at Adelaide Botanic Garden on Planting Day.

David Mabberley's Economic Botany Today

Adelaide Botanic Garden | 27 – 28 October 2014

The Gardens offered a special course, *Economic Botany Today: A study of practical ecological biochemistry for humans*, presented by Professor David Mabberley (University of Oxford).

Sixteen participants formed a deeper understanding about how our daily lives are full of close encounters with the plant kingdom, including food, textiles, medicines, drugs, dyes, pesticides and perfumes. In this two-day course they learned about the fascinating human side of plant-animal interactions from one of the world's greatest living botanists, David Mabberley.

This course was not only for botanists and ethnobotanists, but all those interested in the biological basis of human society. It taught a far deeper understanding of plants, how they have shaped our past and how they can impact our future. The course was fully subscribed and well received. It will be repeated in October 2015.



Professor David Mabberley presenting Economic Botany Today in Noel Lothian Hall

Botanic Ale Launch

Adelaide Botanic Garden | 28 October 2014

Barley grown at the City Crop in Adelaide Botanic Garden, was processed into malt and used to brew Botanic Ale. The end product was a true collaboration between Coopers Brewery, Lobethal Bierhaus and the Botanic Gardens of South Australia, with support from the University of Adelaide, Joe White Maltings and SARDI/PIRSA.

The Botanic Ale was officially launched at a function following the conclusion of David Mabberley's Economic Botany Today course. Approximately 75 guests attended, and guest speakers included David Mabberley, Alistair



Alistair Turnbull (Lobethal Bierhaus), Director Stephen Forbes and Dr Tim Cooper (Coopers Brewery) at the Botanic Ale launch and below, the limited edition Botanic Ale bottles on ice.



Turnbull (Lobethal Bierhaus) and Dr Tim Cooper (Coopers Brewery).

Botanic Ale was a great hit with the guests, described by some as a strong, fruity brew worthy of its craft-beer status and soon sold out at the Botanic Gardens Restaurant and Lobethal Bierhaus.

Spring Garden Blitz

Mount Lofty Botanic Garden | 15 November 2014

The Spring Blitz attracted 44 registrations from members of the general public volunteering their time to work alongside the Mount Lofty Botanic Garden staff to assist with various tasks. The day was a great success with woody weed removal, the spreading of many wheelbarrows of mulch, and other Garden tasks. Following the Blitz, volunteers and staff enjoyed a sausage sizzle and celebrated the significant contribution they had made to the Garden.

Walk the Talk

Adelaide Botanic Garden | 23 November 2014

Each year South Australian members of Sorooptimist International host a walk which is registered as a White Ribbon event, in support of the campaign to end domestic violence against women. In 2014 the walk commenced at Parliament House and concluded at the Sorooptimist Friendship Tree in Adelaide Botanic Garden. Approximately 60 people participated in the walk and Maria Hagias from Central Domestic Violence Service was guest speaker.

Moonlight Cinema

Botanic Park | 4 December 2014 - 15 February 2015

Moonlight Cinema is Adelaide's favorite outdoor cinema, held over the summer months on the lawns of Botanic Park. The cinema showcases advance screenings, new releases and cult classic films under the stars in Botanic Park.

The 2014-15 season attracted 20 500 people. Stakeholders and supporters of the Board of the Botanic Gardens and State Herbarium were invited to a screening of Russell Crowe's *The Water Diviner* on 30 January 2015, with 103 guests attending. Overall the season was a success, with a new Moonlight team on board who are eager to grow the future of Moonlight Cinema in Adelaide.

International Volunteer Day

Adelaide Botanic Garden | 5 December 2014

Initiated by the United Nations in 1985, International Volunteer Day provides an opportunity for the Board to formally recognise and thank the many volunteers who support the Gardens and Herbarium. Afternoon tea was provided and Dr Philip Roetman from the Citizen's Science Program at the University of South Australia was the guest speaker. Philip's entertaining and informative speech emphasised the importance and value of all volunteers. Certificates of appreciation and a small gift were presented to the 65 volunteers who attended.

The Australian Centre of Horticultural Excellence Graduation Ceremony

Adelaide Botanic Garden | 11 December 2014

The Australian Centre for Horticulture Excellence (TACHE) provides horticultural training opportunities with the Botanic Gardens of South Australia. Students learn from South Australia's premier horticulturalists, utilising the world class living collections within the Garden, through an association with TAFE SA.

To celebrate the completion of the Certificate II and III modules of Horticulture, students were invited to a graduation ceremony in Adelaide Botanic Garden. Well known public figure and horticulturalist Michael Keelan was the guest MC and speaker at the ceremony, where twenty students and their guests celebrated their achievements, as well as lecturers and stakeholders.

Mount Lofty Botanic Garden Donor Event

Mount Lofty Botanic Garden | 12 December 2014

The Adelaide Botanic Gardens Foundation held an afternoon tea for all donors who have supported the Mount Lofty Botanic Garden, including the Chris Steele Scott OAM Visitor Pavilion. The event was a success with 64 guests in attendance, and speeches by Board Chair Judy Potter and Chair of the Mount Lofty Botanic Garden Support Group, the Hon David Wotton AM.



Board Chair Judy Potter speaking at the Donor event at Mount Lofty Botanic Garden.

City Crop | Corn Harvest Day

Adelaide Botanic Garden | 1 February 2015

The City Crop Harvest Day was a free, family friendly community event where children harvested the corn that was planted in Adelaide Botanic Garden at the October 2014 Planting Day. After children had picked their corn cobs from the crop, they were invited to make their own corn magnet and corn doll to take home. The event also included a mini pop-up farmers' market with stalls selling fresh, local produce, and the Friends of the Botanic Gardens selling freshly popped pop-corn. A total of 532 children attended with their families. 66 invited guests, including stakeholders and sponsors, also attended a special morning harvest session. Surplus corn from the crop was donated to OzHarvest. The feedback from the day was very positive. The City Corn Crop project as a whole was considered a resounding success, providing a great opportunity for the Gardens to engage and share our stories with the public.



Children enjoying their corn harvest at the City Crop in Adelaide Botanic Garden.

Love Notes in Adelaide Botanic Garden

Adelaide Botanic Garden | 14 February 2015

This free event held on Valentine's Day in the International Rose Garden was supported by Splash Adelaide and the National Rose Trial Garden of Australia. Members of the public

were invited to the International Rose Garden to leave their expression of love. Participants wrote love notes to their loved ones, which were displayed in the International Rose Garden along *Love Note Lane* for all to see. Visitors were also able to dedicate a rose to their loved one by placing a personalised helium balloon next to the rose of their choice. Despite the 40°C weather forecast, the event was a success with a total of 75 romantics attending and in the spirit of Valentine's Day.



Love Notes in Adelaide Botanic Garden on Valentine's Day.

Wittunga Under the Stars

Wittunga Botanic Garden | 20 February 2015

This annual family-friendly twilight concert held in Wittunga Botanic Garden was presented by the Blackwood Lions Club. The event attracted 775 people who enjoyed great music and a picnic in the Garden on a warm summer's evening. The concert included two bands, getting the crowd dancing, as well as a small number of food stalls for those who wished to indulge beyond their own picnic. The event brought families and friends together to embrace the strong community spirit within Blackwood.

Mr Badger tells the Story of Wind in the Willows, Splash Theatre Company

Adelaide Botanic Garden | 21, 22 & 28 February 2015

Splash Theatre Company presented a one-person children's theatre show under the trees in Adelaide Botanic Garden. *The Wind in the Willows* told by Mr Badger is a delightful, intimate storytelling performance suitable for all ages and presents an ideal shared experience for grandparents and their grandchildren. The 2015 season included six performances that attracted an audience of 213 adults and children.

In addition to these public performances, two shows were performed for schools, attracting 125 school children.

Adelaide Fringe – A Summer's Day Botanical, SA Police Band Concert

Adelaide Botanic Garden | 28 February 2015

The renowned Band of the South Australian Police presented a free daytime concert in Adelaide Botanic Garden as part of the Adelaide Fringe program. Approximately 175 people enjoyed the 90 minute concert under the trees.

Adelaide Fringe – Psi Plantae – Bio-Symphonic Installation

Adelaide Botanic Garden | 28 February 2015 – 9 March 2015

This installation was part of the Adelaide Fringe visual arts program and explored the secret dimensions of the plant kingdom, asking the question, 'can plants communicate'? On the opening night, the Bicentennial Conservatory was transformed into an organic oasis of lights, colour and sound. Guests enjoyed a one-off, live interactive performance by Sacred Resonance (Darren Curtis and Bradley Pitt) that featured bio-soundscapes and music made from directly capturing and translating the frequencies emitted from the plants. The event was a great success with approximately 140 attendees.

During the proceeding week of the exhibition, visitors were able to wander through the Conservatory during opening hours and listen to the plant music. The plant music is created by the frequencies which are emitted from the plants in the installation, being transformed into music and sounds. The installation combined art and science, and left audiences feeling a sense of inspiration and awe about the plant world.



WOMAdelaide 2015

WOMAdelaide

Botanic Park | 6 - 9 March 2015

WOMAdelaide, held in Botanic Park, is 'arguably the best festival in Australia' as quoted by Songlines, and this year's event attracted record crowds. The combination of perfect weather and a particularly strong program line-up saw just over 95 000 attendances recorded over the four day event. In addition to the stunning performances by artists such as Youssou N'Dour, Sinead O'Connor, Orchestra Buena Vista Social Club and Rufus Wainwright, the amazing Architects of Air installation 'Exxopolis' and the stunning nightly processional 'The Colour Of Time' by Cie Artonik, were also very popular with patrons.

KIS In the Garden

Adelaide Botanic Garden | 13 March 2015

This event was supported by Splash Adelaide, in collaboration with the Botanic Gardens Restaurant and Kangaroo Island Spirits (KIS). On a warm summer's evening ticket holders were able to enjoy the Garden after the gates had closed and enjoy a botanical gin journey through the Garden. Lead by owner of KI Spirits Jon Lark, the journey included plants used to distill gin and the history of the gin making process. The night also included a pop-up Garden bar and DJ. The event attracted a capacity crowd of 60 people, and sold out 10 days in advance of the event.



KIS in the Garden

National Rose Trial Garden People's Choice Weekend

Adelaide Botanic Garden | 11 - 12 April 2015

The National Rose Trial Garden of Australia, located in Adelaide Botanic Garden, is the only one of its kind in Australia. The general public were encouraged to visit the Trial Garden on the People's Choice Weekend and vote for their favourite rose from the new varieties being trialed. The winning rose (which was from France) now undergoes the breeding process here in Australia in order to produce thousands of plants for sale. This year the event attracted a record number of attendees, with a total of 744 enjoying the challenge of choosing their favourite rose.

Meditation at Mount Lofty Botanic Garden

Mount Lofty Botanic Garden | 2 May 2015

Embracing the autumn colours and celebrating the season of letting go, a free guided meditation session was held at Mount Lofty Botanic Garden. The session attracted 20 people, who enjoyed the peacefulness on the Dwarf Conifer Lawn.

Mothers' Day Classic

Adelaide Botanic Garden | 10 May 2015

The Mothers' Day Classic is a fundraising walk and run held each year to support breast cancer research. The event attracted 4245 registrations who walked or ran through Adelaide Botanic Garden as part of the course. The participants enjoyed the beauty and tranquility of the Garden, and many were able to enjoy the space before the gates had opened to the general public.

Autumn Garden Blitz

Mount Lofty Botanic Garden | 23 May 2015

The Autumn Blitz attracted over 100 registrations from members of the general public who volunteered their time to work alongside the Mount Lofty Botanic Garden staff to assist with various tasks. The day was a great success with the removal of herbaceous perennials and weeds from the rock garden, the planting of 1000 Daffodil bulbs on Acer Hill and close to 1000 Snowflakes in the area near the new Chris Steele Scott Visitor Pavilion. Woody weeds were also removed at the lower end of Nature trail with approximately 1000 square meters covered.

Citydash

Adelaide Botanic Garden | 20 June 2015

Citydash is an online game played in the outdoors, where participants follow clues on their phones to find special checkpoints, and gain points. The game is popular in London, and has also been played in San Francisco, Berlin, Copenhagen, Krakow, Melbourne and now Adelaide. Citydash in Adelaide Botanic Garden attracted 64 participants who followed clues to locate twenty hidden checkpoints scattered throughout the Garden. Participants discovered parts of the Garden they had never seen before, and fun was had all round.

School Holiday Program

Adelaide Botanic Garden continues to host regular school holiday programs for children, providing high quality nature-based learning. 35 workshops were delivered in 2014-15 with over 1000 school aged children participating.

Other events managed by Blanco Food and Events

In 2014-15, Blanco Food and Events managed 28 events for the Botanic Gardens. Some of the highlight events included:

- National Tree Day Tree Planting, Adelaide Botanic Garden, supported by the Friends of the Botanic Garden, July 2014, approximately 100 participants
- YogAdelaide, Botanic Park, October 2014, approximately 200 guests
- Russo wedding, November 2014, 250 guests
- Declaration High Tea, December 2014, 200 guests
- SAD Family Day, February 2015, 1500 guests

Blanco also managed:

- 282 wedding ceremonies (up from 212 last year) averaging 100 guests each
- 32 wedding receptions
- 56 corporate functions



Knowledge

- Know our collections
- Enhance knowledge of plants
- Learn from others

2014-15 highlights

- Delivery of the sold out *Economic Botany Today* Master Class with world-renowned botanist David Mabberley, teaching a deeper understanding that our daily lives are full of close encounters with the plant kingdom, including food, textiles, medicines, drugs, dyes, pesticides and perfumes. In this two-day course participants learned about the fascinating human side of plant-animal interactions
- Continued engagement with 15 schools across metropolitan and regional South Australia in the *Stewardship of Endemic and Endangered Species (SEEDS)* project. The project involves students protecting endangered plant species through active science
- The *Evidence Base for Green Infrastructure* was awarded in the Planning Institute of Australia (PIA) Awards for Planning Excellence 2014 in the category of Cutting Edge Teaching and Research
- The *Green Infrastructure* project was an official advocate for *2020 Vision*, a national project aiming for 20% more and better green space by 2020, and host for the *2020 Vision Growing the Seeds* National Tour
- Educational *Green Infrastructure* lectures and seminars delivered to design, planning, engineering, education, environment and geospatial science faculties within the University of Adelaide, the University of South Australia and TAFE SA
- Published two volumes of the *Journal of the Adelaide Botanic Gardens* (flora.sa.gov.au/jabg): Vol. 27, containing seven scientific articles and Vol. 28, which consisted of a large monograph
- Two chapters of the new fifth edition of the *Flora of South Australia* were published (flora.sa.gov.au/ed5), namely the eucalypts and an enlarged treatment of Fabaceae (peas), increasing the number of species published in the Flora by 150
- There were 17 new weed species recorded in South Australia through the Regional Landscape Surveillance for New Weed Threats project run through the State Herbarium. Since 2009 this program has led to the recognition of 226 new weed species in South Australia
- All horticultural staff have received training in BGBase plant records management system and the *Catalogue of Plants* collections database. Further enhancements have been built into *Catalogue of Plants* and made accessible to all staff and a significant number of volunteers.

The Botanic Gardens and State Herbarium share their knowledge in an effort to connect people with plants. The knowledge of Garden and Herbarium staff is unrivalled and revered nationally and internationally.

The Gardens and Herbarium continue the tradition of working with innovative thinkers, plant specialists and technicians, and leading institutions to develop and publish scientific

papers. Providing leadership through the supervision of student researchers also demonstrates the organisation's strong desire to remain at the forefront of plant knowledge.

Green Infrastructure

The Green Infrastructure project commenced during 2011 as an ambitious collaborative partnership hosted by the Botanic Gardens



Green Infrastructure project in collaboration with the national 2020 Vision to create more and better green space in cities. Ms Jess Miller (2020 Vision), Dr Sharolyn Anderson (UniSA), Dr Sheryn Pitman (Botanic Gardens of South Australia), Mr Ben Peacock (2020 Vision).

of South Australia. It is founded upon the compelling evidence that green and blue spaces are critical to human well-being and quality of life. Substantial research in many parts of the world has firmly established the vital role of Green Infrastructure in securing the health, liveability and sustainability of urban environments.

Funded this year by Natural Resources Adelaide & Mount Lofty Ranges and Renewal SA, the project also attracted contract funds from SA Power Networks to enhance the online plant selection tool, *Plant Selector+*, through research and development of plant selections suitable for planting under power lines in high and low fire risk areas of South Australia.

The project team has consisted of one Project officer with part-time (.2) project assistance until January 2015 and research assistance specific to *Plant Selector+* development until December 2014. This year the project has built on the previous three years of work to deliver considerable achievements in all strategic areas.

In the area of raising community awareness the project has been particularly active. A selection of publications, media features and articles include:

- An academic paper published in the Transactions of the Royal Society of South Australia, 139:1, 97-112. *Green infrastructure as life support: urban nature and climate change*, authored by S. Pitman, C. Daniels and M. Ely (2015).
- A chapter foreword for Climate and Environment in the national 2020 Vision

Plan, authored by S. Pitman (2015).

- Articles in *The Australian*, (2014) and *The Advertiser* (2015) promoting the importance of urban green space.
- Feature segment with Kym Syrus in Channel Nine's *In the Garden* program (2015) promoting the *Plant Selector+* and the new under power lines function.
- Interviews with ABC Radio 891 and 5aa (2014) promoting the *Plant Selector+* and urban green space.
- Articles in *SA Garden & Outdoor Living* (SAGOL) promoting the *Plant Selector+* (2014).
- The brochure *Reducing Fire Risk in Gardens* has been widely requested and distributed following the Sampson Flat bushfires.

A series of lectures and seminars have been delivered to diverse student audiences, including several Green Infrastructure lectures to design, planning, engineering, education, environment and geospatial science faculties within the University of Adelaide, the University of South Australia and TAFE SA. In addition field trips into Adelaide Botanic Garden have been coordinated for university students, and primary students have enjoyed sustainable gardens workshops on World Environment Day.

Collaborative and productive relationships with government, industry and community sectors in promoting the value of Green Infrastructure include:

- Membership (appointed) of the inaugural Steering Committee for the Water Sensitive South Australia (WSSA) Capacity Building Program.
- Invitation to attend the CSIRO Sydney workshop to discuss and determine the national research agenda for Green Infrastructure.
- Membership (appointed) of the Tonsley Sustainability Reference Group.
- Official advocate for 2020 Vision, a national project aiming for 20% more and better green space by 2020. The project also hosted and facilitated the 2020 Vision Growing the Seeds National Tour on October 2014, bringing together 80 South Australian green space professional, practitioners and advocates.
- Regular interaction with Adelaide City Council in development of the Urban Design Framework and Green Infrastructure Guidelines, and with Unley Council in development of their Green Infrastructure Strategy.

- Regular interaction with SA Power Networks in development of new species lists for planting under power lines in high and low bushfire areas of South Australia
- Coordination of the UniSA Green Infrastructure mapping project, involving Masters students in mapping existing functional layers of Green Infrastructure for the greater Adelaide region
- A local government engagement strategy, *Adding value through Green Infrastructure: Working effectively with local government*, was completed in 2014 and is being used to inform future direction and activity
- Presentation and panel participation (invited) for the Local Government Emerging Leaders Forum, including a group tour of the Adelaide Botanic Garden (2014)
- Presentations and live demonstrations of the *Plant Selector+* have been given to the Murray Bridge Garden Club and the Brownhill Creek Rotary Club

The project has worked closely with DEWNR Planning and Assessment team to contribute to the planning reform agenda through inputs into the 30 Year Plan updates to ensure inclusion of Green Infrastructure where appropriate. In addition, planning comments have been provided for numerous state and local government structure plans, strategic directions reports, statements of intent, development plan amendments and management plans.

The *Plant Selector+* has been updated and revised to include SA Power Network's (SAPN) 'under power lines' data, links for SAPN's principles of vegetation clearance and fire risk area maps. In addition several additional features include a new User Guide, image database and an indigenous plant selection facility.

The *Evidence Base for Green Infrastructure*, developed during 2012-2014, is recognised nationally and was highly awarded in the Planning Institute of Australia (PIA) Awards for Planning Excellence 2014 in the category of Cutting Edge Teaching and Research.

A Green Infrastructure Project Summary Report, available as a PDF, encompasses a full account of the project between 2011 and 2015.

Economic Botany Today: A study of practical ecological biochemistry for humans

In October 2014 the Botanic Gardens of South Australia offered this special course presented by one of the world's greatest living botanists, Professor David Mabberley.

Sixteen participants formed a deeper understanding about our daily encounters with the plant kingdom, including food, textiles, medicines, drugs, dyes, pesticides and perfumes. In this two-day course they learned about the fascinating human side of plant-animal interactions.



Participants from the special *Economic Botany Today* course in Adelaide Botanic Garden



Out of Time symposium attendees on the steps of the Santos Museum of Economic Botany

This course was not only for botanists and ethnobotanists, but all those interested in the biological basis of human society. It provided a far deeper understanding of plants, how they have shaped our past and how they can impact our future. The course was fully subscribed, well received and will be repeated in October 2015.

***Out of Time* symposium**

The Botanic Gardens of South Australia hosted this unique symposium in October 2014, focusing on landscape history in the Santos Museum of Economic Botany. The Museum provided the perfect backdrop for the sharing of ideas and knowledge from speakers from around the world including:

- John Dixon Hunt (University of Pennsylvania)
- Annette Giesecke (University of Delaware)
- Stephen Forbes (Botanic Gardens of South Australia)
- Luke Morgan (Monash University)
- Stanislaus Fung (The Chinese University of Hong Kong)
- Stephen Bending (University of Southampton)
- Jennifer Milam (University of Sydney)
- John Macarthur (University of Queensland)
- Kelly D. Cook (University of Maryland)

The purpose of the symposium was an opportunity to showcase the gardens and explore the concepts of time and place. It was bookended by the exhibition *Postcards from the Edge of the City* (created as a response to the symposium) and the launch by Prof John Dixon

Hunt of the accompanying book *Out of the past: views of Adelaide Botanic Garden*.

The papers presented at the symposium will be further worked and published as a special issue of *Studies in the History of Gardens & Designed Landscapes: An International Quarterly*.

Publications

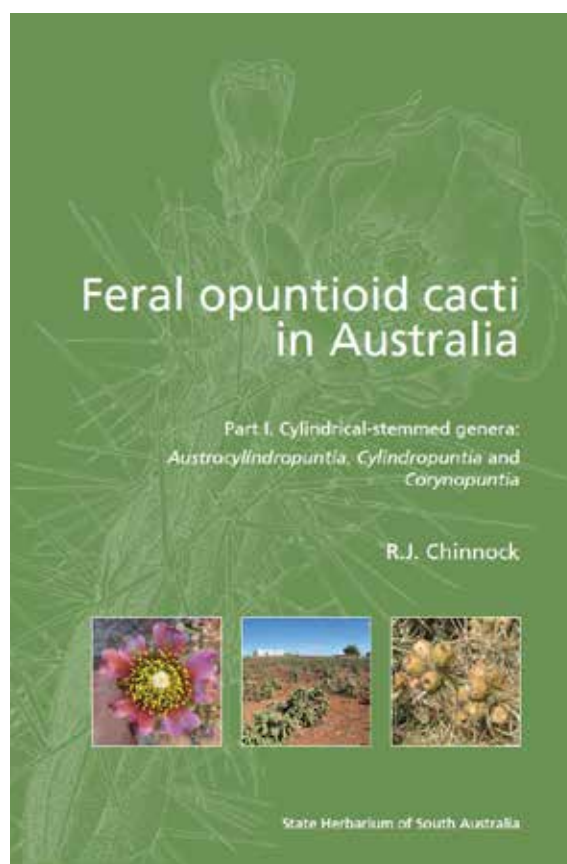
The *Flora of South Australia* describes all known native and naturalised vascular plant species in the state. It is the basic taxonomic work on which many other researchers, agencies and the general public rely. Flora chapters can be downloaded from flora.sa.gov.au/ed5.

Chapters for the new, fifth edition of *Flora of South Australia* continue to be edited and published. This year treatments of two plant families with a total of 182 species were made available online. The largest chapter was on eucalypts, describing and illustrating 94 species and several subspecies and varieties; this was the largest and most complex chapter published to date. The second chapter was an update of the pea-family Fabaceae, now also including the largest group of native peas, Mirbelieae (56 species). This compares to six families comprising 204 species in the 2013-14 financial year.

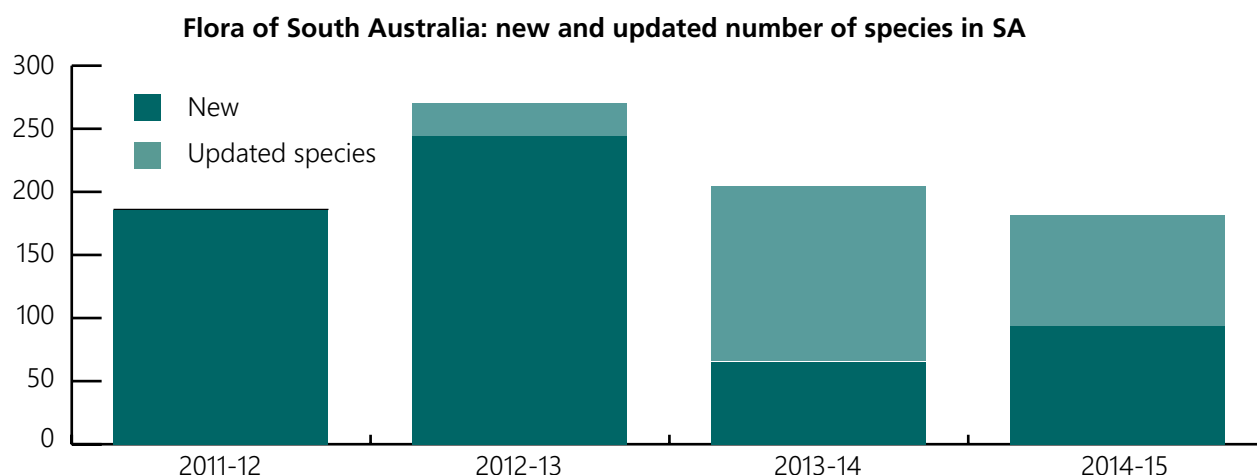
The *Journal of the Adelaide Botanic Gardens* publishes research articles in systematic botany, botanical history and related fields. The Journal is peer-reviewed and meets international editing standards. It is distributed mainly by exchange to interstate and overseas institutions. The current volume and all back issues can be accessed at flora.sa.gov.au/jabg.

Volume 27 of the Journal was published online during 2014. The printed edition was produced in March 2015 and distributed to exchange partners. It contained seven articles on 58 pages, in which 17 new species or new names were published. Volume 28 was published in 2014 and contained a large, 220 page monograph on the daisy genus *Brachyscome* and related species. Volume 29 is currently being published online, one article is already available.

The State Herbarium also published *Feral opuntoid cacti in Australia. Part 1. Cylindrical-stemmed genera: Austrocylindropuntia, Cylindropuntia and Corynopuntia* by Hon. Research Associate Bob Chinock. The book describes and illustrates three genera and 11 species of opuntoid cacti, which are all Weeds of National Significance (WoNS). It is an essential reference tool for conservation groups, people involved in bushcare, land owners and managers, and anyone concerned with identifying and eradicating weedy cacti. The book was launched by John Virtue (Manager NRM Biosecurity) and Michelle Waycott (Chief Botanist) on 19 June 2015.



Cover of the *Feral opuntoid cacti in Australia* book





Flood stones by Nikki Main at the Science and Art exhibition, featuring specimens from the State Herbarium.

Art in science

Science & Art: 12 years of the Waterhouse Prize was on display at the South Australian Museum in June and July 2015. In the exhibition, several specimens from the State Herbarium were on display along with the artwork to illustrate and explain the connection between science and art. The Waterhouse Natural Science Art Prize was launched in 2002 and this exhibition featured the overall winning works from the last 12 years, paired with material from the collections of the South Australian Museum, National Archives of Australia, the State Herbarium of South Australia and State Records of South Australia.

Living Adelaide

In 2014-15, the *Living Adelaide* initiative was developed. The initiative outlines ways to address key issues such as climate change, health and wellbeing, biodiversity, and community cohesion, for a state that is economically, environmentally, socially and culturally sustainable.

Living Adelaide has been developed to contribute to the State Government's vision of committing to achieving a sustainable future, responding

to climate change, establishing Adelaide as the world's first carbon neutral city, creating affordable neighbourhoods with opportunities to walk and cycle, as our physical environment influences a person's health and wellbeing.

Living Adelaide provides connections with and support for government policy initiative including: The 30 Year Plan for Greater Adelaide 2010; The Adelaide and Mt Lofty Ranges Natural Resources Management Plan 2014-15 and The Planning System We Want 2015.

This initiative is an alliance, currently facilitated by the Botanic Gardens of South Australia, on behalf of The Department of Environment, Water and Natural Resources (DEWNR), Adelaide & Mount Lofty Ranges Natural Resources Management Board (AMLRNRM), Department of Planning, Transport and Infrastructure (Planning SA) and Renewal SA.

A formal launch has been scheduled for Spring 2015.



Collections

- Enhance our collections
- Create and showcase beautiful gardens
- Make our collections accessible

2014-15 highlights

- The percentage of threatened plant species conserved through seed bank deposits reached 67.5% of the state's flora, 3.5% more than last year
- Over 50 seed collections were made during field trips to the Mamungari Conservation Park, Flinders and Gammon Ranges, Eyre Peninsula, Murraylands, Coorong and the Southern Fleurieu.
- First seed collections banked from 2004-05 collections (now stored for a decade) were retested this year with results showing that the seeds have maintained their viability throughout the storage period.
- Significant developments to the Seeds of South Australia website (saseedbank.com.au) - an online database for identification and seed propagation of native flora in South Australia with highlights including
 - Over 1000 new images were uploaded bringing the total number of images to 5000
 - Detailed information for over 1700 species uploaded
 - An average 4600 page views per month from approximately 1000 visitors
- Celebration of the 60th Anniversary of the formation of the State Herbarium of South Australia in December 2014.
- More than 1.1 million page views on the Electronic Flora of South Australia website, *eFloraSA* (flora.sa.gov.au), making it the main access point for information provided by the State Herbarium.
- More than 62.3 million State Herbarium specimen records downloaded through Australia's Virtual Herbarium.
- Completed the generation of high resolution images of the State Herbarium's type specimens for the Global Plants Initiative.
- Funding from the Atlas of Living Australia enables us to digitise watercolours and line drawings from the JB Cleland and CG Hansford Fungal Collections held at the State Herbarium.
- 89 trees were planted by the Botanic Gardens of South Australia, exceeding the minimum target set.
- Focus Collection Policies written for the International Rose Garden (with input from the Rose Society of South Australia) and the Bicentennial Conservatory.
- Construction of the Little Sprouts Kitchen Garden in Adelaide Botanic Garden.
- Approximately 35ML of water injected into the First Creek Wetland in Adelaide Botanic Garden in its first winter injection.
- Mount Lofty Botanic Garden Nursery propagated almost 40 000 plants in 2014-15 including over 3000 corn plants for the City Crop project as well as propagation of plants for the *Little Sprouts Kitchen Garden*.
- Propagation research on important plants including *Amorphophallus titanum*, *Brocchinia micrantha*, *Theobroma cacao*.
- Repair work and maintenance of garden gazebos and furniture throughout Wittunga Botanic Garden, significantly improving the visitor experience.

The Botanic Gardens and State Herbarium are part of an international community of collections based cultural and scientific institutions. The Board is the custodian of a unique collection of living, preserved and cultural items that represent the botanical heritage of South Australia.

Living collections make South Australia's three botanic gardens places of aesthetic appeal, inspiration and enjoyment. The preserved specimens of plants and seeds held in the State Herbarium and South Australian Seed Conservation Centre are of international importance and drive botanical research and landscape restoration programs, while the cultural collections comprise of art works, sculptures, photographs, buildings and memorabilia that connect visitors to the cultural heritage of South Australia.

The intrinsic knowledge held within and about the collections underpins educational, historic, cultural and scientific programs. The initiatives set out under this theme outline how the Botanic Gardens and State Herbarium fulfils its charter to demonstrate the central role plants play in health, wellbeing, food, water and energy security, and climate change.

South Australian Seed Conservation Centre

South Australia has more than 800 threatened native plant species. The South Australian Seed Conservation Centre strives to safeguard these species from extinction. The Centre is staffed by a team of scientific-minded seed hunters who regularly trek into South Australia's most remote locations to find and collect seeds of species at risk. These seeds are then returned to the Seed Bank at Adelaide Botanic Garden for storage.

In 2014-15 the percentage of threatened plant species conserved reached 67.5% compared to 64% in the previous year. Over 50 seed collections were made during field trips to the Mamungari CP, Flinders and Gammon Ranges, Eyre Peninsula, Murraylands, Coorong and the Southern Fleurieu. The viability and germination capacity of each collection was assessed and recorded.

Seeds in the seed bank are held in subzero conditions and are retested for viability and germination after five and 10 years of storage. This year, the team tested the first seed collections that were banked in 2004 for viability. The results show that the seeds have maintained their viability throughout the decade-long storage period.

Significant work has also been undertaken on the Seeds of South Australia website (saseedbank.com.au). The site is a seed-focussed database purpose built for identification and seed propagation of native flora in South Australia. Species pages contain images of plants and seeds with information on seed biology and germination results.

Currently there are more than 5000 images displayed and information for over 1700 species. Changes in the webpage format have improved navigation of the site for both users and editors. Recent programming that allows bulk uploading has resulted in thousands of images being added to the site. Special acknowledgments go to Rex Croft for assistance with IT, Peter Hunt for seed imaging, Thai Te, Nicole Dowling and Dan Duval for loading information and images.

Special thanks also go to Antony and Mary Lou Simpson, Santos and the CMV Foundation for their generous philanthropic support of this work.



The South Australian Seed Conservation Centre's Dan Duval collecting seed specimens in the Great Victoria Desert.



The South Australian Seed Conservation Centre's imaging specialist Peter Hunt photographing a rare seed.

The South Australian Seed Conservation Centre also acknowledges each of the volunteers who have collectively given over 1800 hours of their time to support the program.

The Centre is a partner in the Australian Seed Bank Partnership (ASBP), a national effort to conserve Australia's native plant diversity through collaborative and sustainable seed collecting, banking, research and knowledge sharing. The Seed Centre made seed collections that contributed to a number of programs coordinated by the ASBP in the last year.

- Global Trees Program, Bjarne K Dahl Trust (Eucalyptus collection)
- 1000 species project
- plants for the investigation of C4 photosynthetic pathway.



Seed hunters collecting specimens in the Great Victoria Desert.

Germination research for a range of difficult to propagate species was conducted for externally funded research projects. Species from several families including Rutaceae, Cyperaceae, Epacridaceae, Liliaceae, Santalaceae and Dilleniaceae were tested to find methods of alleviating dormancy so that these species can be propagated more readily through seed and be used more frequently in revegetation programs.

This work has been supported by Coorong, Lower Lakes and Murray Mouth, Adelaide and Mount Lofty Ranges Natural Resources Management, Hillgrove Resources and the Native Vegetation Council.

American Alliance of Museums

The Board of the Botanic Gardens and State Herbarium maintain accreditation in the American Alliance of Museums (AAM). AAM accreditation is a mark of distinction for the Board, reinforcing integrity, authority and international standing.

Re-accreditation (scheduled in 2020) involves a constant process of review to ensure the rigorous maintenance of high professional standards in collections management and ongoing improvement.

In 2014-15, Focus Collection Policies were written for the International Rose Garden (with input from the Rose Society of South Australia) and the Bicentennial Conservatory.

State Herbarium Digital Resources Go Global

The Global delivery of data, taxonomic updates and high resolution images of herbarium type specimens from the State Herbarium is now being achieved through State, National and International electronic data access portals.

In South Australia the full range of data, publications, species identification tools, fact sheets and plant distribution mapper is available through our *eFloraSA* web services (flora.sa.gov.au). Data is available nationally through *Australia's Virtual Herbarium* (avh.chah.org.au) and through the *Atlas of Living Australia* (www.ala.org.au). Data is made available internationally through the *Global Biodiversity Information Facility* (www.gbif.org), where it joins over 100 million 'Plantae' specimen records providing enormous repository of knowledge on species biodiversity.

In 2012 the State Herbarium initiated a project in collaboration with the other Australian and New Zealand Herbaria to digitise type specimens for delivery to JSTOR, the online library resource, as a part of the Global Plants Initiative. The State Herbarium have now completed imaging the type specimens of our ferns, gymnosperms and angiosperms for final delivery to JSTOR. Funding for this was provided by the Andrew Mellon Foundation.

Complementing the type specimen digitisation activity has been recent efforts to digitise the watercolours and line drawings from the JB Cleland and CG Hansford Fungal Collections held at the State Herbarium. As fungi rapidly lose all colour and form when they are dried for preservation, the capture of their features using illustration, colour artworks and in recent years, photography, is critical to the effective collection of information. The State Herbarium has an excellent collection of such drawings and paintings associated with herbarium specimens of fungi. In particular, the important historical fungal collections of JB Cleland and CG Hansford have commissioned art works associated with them. The State Herbarium, supported by funding from the Atlas of Living Australia, has recently completed imaging these artworks and these will be made available through a digital library on the Atlas of Living Australia, as well as associated with herbarium records.

Continued improvement to our Gardens

Over the course of 2014-15, a number of maintenance projects have been undertaken to showcase collections within the Gardens. Projects include:

- Restoration and repair-work of the pond in the Amazon Waterlily Pavilion
- Renovation and refurbishment of the Botanic Gardens Restaurant and Simpson Kiosk

- Repairs to the historic Goodman Building - administrative offices of the Botanic Gardens
- Rebuilding of the Old Trade Entrance bridge off Plane Tree Drive
- Survey work completed on Bamboo Road in Adelaide Botanic Garden in readiness for reconstruction in 2015-16
- Replacement of the main irrigation line in Mount Lofty Botanic Garden's Rhododendron Gully
- Commencement of the construction of the Chris Steele Scott OAM Visitor Pavilion in Mount Lofty Botanic Garden
- Commencement of the installation of sculptural elements for the Mount Lofty Botanic Garden Universal Access Trail
- Upgrade of ground and storm water culverts, pipes and gullies throughout Mount Lofty Botanic Garden and Nursery
- Repair and maintenance of garden gazebos and furniture and upgrade of public conveniences in Wittunga Botanic Garden
- Continued review of water management systems through real-time irrigation testing via iPad technology
- Upgrades to Mount Lofty Botanic Garden Nursery operations with the installation of 50 000 litre rainwater tanks and the addition of irrigation controllers.

Making our collections accessible

The Botanic Gardens and State Herbarium work with a number of collections databases. The Board aims to integrate the various databases to provide users with a simple, unified view of collections.

As reported in previous Annual Reports, work is continuing to ensure the 2017 timeframe for this project is met.

Progress in 2014-15 includes:

- Upgrading the Botanic Gardens of South Australia website (botanicgardens.sa.gov.au) with a greater focus on providing plant-based information to the public. *Catalogue of Plants Online* (<http://botanicgdns.rbe.net.au/collections>) has been developed and released. It provides a web interface to the existing Catalogue of Plants, and can be accessed by members of the public. There is no login requirement, all information is available and presented in an intuitive interface. This will allow the public to access the Gardens' entire collection both current and historical

- *BG-BASE* and *Catalogue of Plants* training is conducted on a needs basis. In addition to training, workshops and clinics are held once a week at all sites. Clinics provide a mechanism for queries to be raised and addressed in a timely fashion, as well as training needs gap analysis to identify future training requirements
- Adding to the *Seeds of South Australia* website (saseedbank.com.au) including information about South Australian flora with a focus on seed biology. There are now over 1700 individual species on *Seeds of South Australia*. Comprising of 90 different families in 457 different Genera. All together *Seeds of South Australia* is now home to nearly 5000 photographs of seed and plants from South Australia
- The *Seeds of South Australia* website has been integrated into the *Catalogue of Plants* and the *Catalogue of Plants Online*. It allows users to find plants growing in collections and access research on seed germination and plant biology
- Receiving 1 153 276 page views on the Electronic Flora of South Australia website, eFloraSA (flora.sa.gov.au) or 3154 views per day. This is an 11% increase in the use of this website, compared to the last financial year. This is the main access point for State Herbarium information and provides access to the South Australian Census of Plants, Fungi and Algae, detailed species fact-sheets for South Australian vascular plants and algae, as well as online identification tools
- State Herbarium specimen data was downloaded 92 885 times through the Australia's Virtual Herbarium (AVH), hosted by the Atlas of Living Australia (ALA), totalling 62 340 213 records. AVH is an initiative of the Council of Heads of Australasian Herbaria (CHAH)
- Work continued in compiling and updating the real-time online Census of South Australian plants, algae and fungi (available on flora.sa.gov.au) to summarise current taxonomic knowledge of these groups, their regional distribution and native or naturalised status. The Census is based on specimen deposited in the State Herbarium's collection. Data on conservation and declared weed status are added from external sources. The taxonomic work that underpins the Census is significant, as each new species or change of species name must be cross-referenced and checked
- State Herbarium staff also contributed to the Australian Plant Census and participated in its working group and other related groups to develop a single national consensus summary of Australia's native and naturalised plants to facilitate the delivery of state censi and the AVH
- The Herbarium's collections management database, ADHERB continues to be updated with new and important specimen data. Through these updates, records of collections are visible to all users through three easily accessible online sources: the South Australian eFlora online system, Australia's Virtual Herbarium and the Atlas of Living Australia.

**State Herbarium Collection figures -
averages over three years**

State Herbarium Function	2014-15	2013-14	2012-13	Average
Specimens identified [est.] (determined/confirmed)*	2700	3500	4500	3567
Specimen Nomenclature updated* [est.]	800	900	2000	1233
Specimens mounted	3493	4548	7242	5094
Database additions	2997	4547	549	2698
Total in specimen database ADHERB	730 559	727 556	722 980	N/A
AD specimens sent on loan	1491	1082	1285	1286
AD specimens returned from loan	505	1382	4036	1974
Incoming loan specimens received	271	195	200	222
Incoming loan specimens returned	634	394	480	503
Exchange specimens sent	1764	3042	1637	2148
Exchange specimens received	925	1183	1055	1054
Specimens added to the collections	4438	4977	7611	5675
Estimated total specimens in State Herbarium collection [^]	1 040 250	1 034 900	1 029 090	N/A
Estimated replacement value of the State Herbarium collection	\$71 475 701	\$69 396 277	\$66 918 392	N/A
Calculated value per specimen	\$68.71	\$67.06	\$65.03	N/A

* This partially reflects the identification and validation activity linked to the specimen data capture, rather than those specimens distributed to staff for identification. Thus it also reflects specimens returned from loans that have been identified by the researcher.

[^] Based on Collection estimates at end May 2015



Our organisation

- Develop a diversified and sustainable income stream
- Utilise efficient business technologies and processes
- Ensure a world class paid and volunteer work force

2014-15 highlights

- In March, the Gardens reached four years with No Lost Time Injuries
- In December 2014, 11 students graduated in Certificate III in Horticulture, and 11 students graduated in Certificate II in Horticulture
- A review of The Australian Centre of Horticultural Excellence was conducted in early-2015 to develop a strategy for the continuation of the program. As a result, the Gardens have ended the relationship with TAFE SA and is now partnering with other registered training organisations and universities in the delivery of courses and Master Classes
- Seven Master Classes were delivered to 130 people. 2014-15 topics included:
 - Introduction to Propagation
 - Advanced Propagation
 - Pruning for Fruit
 - Ferns
 - Economic Botany Today
 - Beat the Heat, Arid and Semi-Arid Gardening
 - Soils
- Continued effort at reducing the carbon footprint of the Gardens with LED lighting now being utilised for floodlighting and public conveniences across all sites. It is anticipated this will reduce running costs on these lights by 75%
- Continued review of water management systems through real-time irrigation testing via iPad technology
- Upgrades to Mount Lofty Botanic Garden Nursery operations with the installation of 50 000 litre rainwater tanks and the addition of irrigation controllers
- The State Herbarium has an active group of volunteers and Hon. Research Associates who contribute to the growth of new knowledge based on the Herbarium's collections and botanical knowledge
- The institution of the State Herbarium celebrated its 60th anniversary in November 2014.

The Botanic Gardens and State Herbarium are treasured South Australian assets and remain world leaders in the fields of science, horticulture, and botanic expertise. Continuing this important work requires a robust business plan and the development of strong community, corporate and philanthropic partnerships.

In light of budgetary pressures, the Gardens and Herbarium rely on goodwill from within the community to maintain a diversified and sustainable income stream. These pressures also force the organisation to continue to seek the most efficient business technologies and processes to maintain effectiveness.

Volunteering

The number of volunteer hours supporting the Botanic Gardens and State Herbarium stands at 44 027 in 2014-15, compared to 45 360 in 2013-14.

Existing and new volunteers provided support across operations, with a full breakdown on the next page.

Area of volunteer activity	Volunteer hours
Santos Museum of Economic Botany	1 560
Mount Lofty Botanic Garden Nursery	620
Botanic Gardens and State Herbarium Library	209
South Australian Seed Conservation Centre	1 856
Rose Society in the International Rose Garden	300
Events (including Mount Lofty Garden Blitz)	904
Corporate volunteering	120
Little Sprouts Kitchen Garden	134
Education at Adelaide Botanic Garden	650
Friends of the Botanic Gardens of Adelaide	23 455
Wittunga Hands on Hort Program	600
State Herbarium – General	3 825
State Herbarium – Hon. Research Associates	9 794
TOTAL	44 027

Volunteer activities included:

- Providing support through a full time presence in the Visitor Information Centre in Adelaide Botanic Garden
- Undertaking Guided Walks for Visitors to Adelaide, Mount Lofty and Wittunga Botanic Gardens
- Garden upkeep and maintenance at the Mount Lofty Botanic Garden Blitzes
- Providing continued expertise in the Herbarium with specimen curation, checking and updating nomenclature on vascular plants and liverworts, and scanning of past publications for uploading online
- Providing volunteer support and assistance to visitors in the Santos Museum of Economic Botany
- Assisting with plant propagation and other horticultural duties in the Nursery at Mount Lofty Botanic Garden
- Providing volunteer support for Adelaide Botanic Garden's horticultural staff in the International Rose Garden.

Without the support of volunteers, the quality of the work at the Botanic Gardens and State Herbarium would be greatly diminished.

Volunteers and Hon. Research Associates in the State Herbarium

The State Herbarium is very fortunate in having a loyal team of Honorary Research Associates and volunteers whose efforts have a huge impact on how the Herbarium functions.

The Honorary Research Associates dedicate their time and expertise to the meticulous work of plant taxonomic research – work that underpins our understanding and management of botanical biodiversity. Their knowledge and years of experience give them and the State Herbarium a national and international reputation. Examples of that this year include the publication of *Feral opuntoid cacti in Australia. Part I* by Honorary Bob Chinnock. The number of Herbarium Honorary Research Associates also increased to 11 with the Board's appointment of Doug Fotheringham. Doug brings expertise in coastal vegetation to the Herbarium with particular emphasis on coastal saltmarsh species – recently recognised as a nationally endangered ecosystem.

Our general volunteers continue to support a range of projects that help keep the Herbarium's collections and associated data functioning and in good order. We normally have an end-of-year celebration to recognise and thank our volunteers and honoraries for their efforts. In December, a special cocktail evening was held to mark the 60th anniversary of the State Herbarium with particular emphasis placed on the current and historic contributions of staff and volunteers. Efforts were made to locate and invite as many of our former colleagues, friends and partners as possible. The evening was a great success with almost 100 guests attending.

Partnerships

Aside from funding received from the South Australian Government, the Botanic Gardens and State Herbarium rely on the generosity of government agencies, corporate partners, individuals and the community. Volunteers and philanthropic support are critical to enhancing facilities and services provided by the Gardens for the community and to support research in new fields of conservation, ecology and botany.

Many of the successes and achievements over the past year would not have been possible without their support.

Major Partners

Government of South Australia
Department of Environment, Water
and Natural Resources

Major Sponsors

Santos
Santos Museum of Economic Botany
Community Kitchen Garden program
South Australian Seed Conservation Centre

SA Water
SA Water Mediterranean Garden

WorkCoverSA
Garden of Health

Thyne Reid Foundation
Chris Steele Scott OAM Visitor Pavilion,
Mount Lofty Botanic Garden

The Board acknowledges the support of these Program Sponsors

South Australian Seed Conservation Centre
CMV Foundation
Beach Energy
Antony and Mary Lou Simpson

Stewardship of Endemic and Endangered Species (SEEDS)
Beach Energy

City Crop

ElectraNet
Coopers Brewery
Lobethal Bierhaus
Royal Agriculture and Horticulture Society
S&W Seed Company
The Diggers Club
Neutrog

Little Sprouts Kitchen Garden

Zero Waste SA
ElectraNet
Neutrog
The Diggers Club

The Board also works closely with State Government agencies, and acknowledges:

- DEWNR and the Department of Planning, Transport and Infrastructure (DPTI) for continued support, advice and assistance with the Board's capital works program
- The Department for Education and Child Development for providing a seconded Education Manager to coordinate the schools outreach program
- TAFE SA for partnering with the Botanic Gardens on the Australian Centre of Horticultural Excellence
- Renewal SA for their support of the Green Infrastructure project

The Board also acknowledges the Mount Lofty Botanic Garden Support Group for their efforts in raising funds for the Chris Steele Scott OAM Visitor Pavilion.

Finally, the Board would like to acknowledge the Friends of the Botanic Gardens of Adelaide for both their financial contributions and the support they offer through their active volunteer programs. The Friends are tireless in their efforts and their dedication and commitment to the Gardens is extraordinary.

Adelaide Botanic Gardens Foundation

The Adelaide Botanic Gardens Foundation exists to generate income for the Board of the Botanic Gardens and State Herbarium by building corporate and private philanthropic support. The Foundation raises and administers community funds through its Endowment Fund for current Gardens' projects and for the long-term financial security of the Gardens. The Foundation is the trustee of the not-for-profit Adelaide Botanic Gardens Fund, which has tax-deductible gift recipient status.

The Board has identified three priority fundraising projects for the Foundation, the Little Sprouts Kitchen Garden, the South Australian Seed Conservation Centre and the Endowment Fund.

The integration of Foundation fundraising activities and Botanic Gardens sponsorship, events and communications functions is progressing well and is proving effective in delivering a holistic approach to communications, public programs, events and philanthropy.

Little Sprouts Kitchen Garden

Stage 1 of The Little Sprouts Kitchen Garden visiting program was officially launched for classes in April with Minister for Sustainability, Environment and Conservation the Hon. Ian Hunter MLC and Minister for Education and Child Development the Hon. Susan Close MP in the Garden to celebrate this important milestone.

The Kitchen Garden showcases the benefits of growing fresh, healthy produce to the whole community and instils healthy habits from a young age.

Phase 2 of the Kitchen Garden will commence in the next financial year and will include minor modifications and new additions to support outdoor class room activity for three to eight year old children and their teachers.

Without the generous support of community, this important program would not have been possible.



Children from Wattle Park Kindergarten in the basket weave, constructed by Basketry SA, at the first class in the Little Sprouts Kitchen Garden.



X-Ray imaging being conducted to test seed viability by the South Australian Seed Conservation Centre's Seed Curation Officer Andrew Geracitano.

South Australian Seed Conservation Centre

South Australia's Seed Hunters have continued their crusade into saving South Australia's endangered flora from extinction. Thanks to the generosity of our sponsors, donors and supporters, the Seed Centre's research and conservation efforts can continue into the future.

With thanks to the generous support of Antony and Mary Lou Simpson the South Australian Seed Conservation Centre has employed experienced part-time microscopist Peter Hunt. With extensive training in digital imagery, Peter is responsible for capturing seed images for the Seeds of South Australia (SoSA) website. SoSA is critical as often seeds are not described or photographed and little is known about their germination. Through SoSA, information gathered by the Seed Centre is shared with community members working on landscape conservation and restoration projects across the state.

Peter has made a significant contribution to the Seed Centre over the last year. He has participated in field work, including a trip to the Great Victoria Desert, to gain a deeper understanding of different plant habitats and the work behind the seed collections he uses back in the laboratory. Peter has willingly shared his knowledge of microscopy and has prepared standardised methods for seed imaging for the rest of the team to utilise.

The website (saseedbank.com.au) has been steadily growing and currently contains information for 1600 species. However, there still remains much to do to complete the data for all of the species in South Australia.

Donors Antony and Mary Lou Simpson went out on a field trip with Seed Hunters Dan Duval and Jenny Guerin to Stipiturus Conservation Park, Southern Fleurieu Peninsula to look for the *Ranunculus papulentus* Melville, Large River Buttercup which is listed as endangered.



Antony and Mary Lou Simpson collecting seeds on the Southern Fleurieu Peninsula

The CMV Foundation's contribution to the Foundation has allowed for a new position in the Seed Centre. A Seed Curation Officer is now full time, filled by Andrew Geracitano, and has made a substantial difference to the amount of work the team have been able to achieve during this time. Employing a Bachelor of Sustainable Environments graduate has enabled rapid progress on the Seeds of South Australia website and provided much needed assistance with curation of the seed collections, laboratory-based germination research and propagation in the nursery. The Foundation is grateful for the generous support provided by the Crawford family.



Seed Curation Officer Andrew Geracitano cleaning seeds.

Endowment Fund

Contributions to the endowment fund, including bequests and legacies, are crucial for the long term sustainability of the Gardens. Capital is held by the Foundation and interest is then distributed annually towards Gardens' projects. The Endowment Fund will enable the Foundation to assist in protecting the Gardens' rich botanical and built heritage while furthering vital conservation, horticultural, scientific and education programs.

Chris Steele Scott OAM Visitor Pavilion

The Foundation congratulates the Mount Lofty Botanic Garden Support Group for raising the \$300 000 needed to complete the construction of the pavilion. The Board of the Botanic Gardens and State Herbarium, through the Foundation has provided \$25 000 with a matching gift from the Friends of the Botanic Gardens of Adelaide.

The Board announced the pavilion will be named the Chris Steele Scott Visitor Pavilion in memory of the late Chris Steele Scott OAM. Chris was a friend of the Gardens, past employee and Foundation Committee member who was passionate about this important project. The excavation work commenced in April and, weather permitting, construction is expected to be completed in Spring 2015.

Foundation Committee

Mr David Knox (Chair)
Ms Jan Angas (Deputy Chair)
Mr Tom Verco (Treasurer)
Mr Stephen Couche
Mr Angus Irwin
Mr Bodo Jensen (President, Friends of the Botanic Gardens of Adelaide)
Ms Julie Mitchell
Mr Ian Stirling

Ex Officio

Mr Stephen Forbes, Director, Botanic Gardens and State Herbarium

Donors and supporters

Endowment Fund

Mrs Gill Brocklesby
Mr Philip Burrowes
Mr Walter Duncan
Ms Alison Evenden (Bequest)
Mr Matthew Holland
Mr Bill Jennings
Mr David Knox
Dr David Matison
Ms Lucy Pahl
Ms Laura Petre
Mr Max Tilbrook
Mr Peter Tilbrook
Ms Kate Waldmann

Little Sprouts Kitchen Garden

Mr John Angas
Mr Jonathon & Mrs Judith Bateman
Ms Katerina & Mr Rob Bickford
Ms Laurayne Bowler
Ms Marjorie Brown
Ms Jill Cooper
Mrs Terry Duchene
Ms Valerie Freeman
Mrs E W Hale
Mrs Bin Irwin
Mr W Lear
Mrs Jasmine Lovell
Walvo Yerta Community Garden -
Mr Greg Martin
Mr Laurence McEvoy
Mrs Sheila Miller
Herb Society of SA -
Ms Sandra Stewart
Ms Margaret Tostevin
Ms Cathy Veide
Dr Pat Wyllie

South Australian Seed Conservation Centre

Mr Malcolm Adams
Ms Julie Almond
Mr Sandy Anderson
Ms Marjorie Andrew
Mr Alistair & Mrs Janet Angas
Mrs Heather Armour
Mr U & Mrs R Asenstorfer

Miss Rosemary Attwood
Mr David Ayling
Springwater Beverages -
Mr Ian Bailey
Mr William & Mrs S Barnes
Ms Jo Baulderstone
Ms Sue Bayly
Mr Walter Beale
Ms Patsy Bennett
Mr Alan & Mrs Helen Bradshaw
Bromeliad Society of SA
Ms Jane Brooks
Mr Arthur Browne
Ms Julie Brownell
Ms Aileen Buesing
Mr John & Mrs Helen Burgess
Dr Robyn Campbell
Mr Ian Chesterman AM
Ms Joan Clark
Mr Jack Clough
Mrs Susan Cole
Mr Stephen Cole
Mr Roger & Mrs Brenda Coleman
Ms Judith Comrie
Mr John Connell
Mrs Rosemary Copeland
Mrs Rosemary Cornish
Mr Stephen &
Mrs Stephanie Couche
Ms Catherine Courtney
Mr L Darling
Mr David Davidson
Dr C G Deland
Mr Robert Dickenson
Ms Nita Doddridge
Sisters Of Mercy - Sister M Duigan
Ms Kate Eatts
Dr Bill Edwards
Ms Frances Fairweather
Mrs Judy Fanning
Thyne Reid Foundation
Mrs Nancy Fletcher
Mr Kevin Francis
Mrs Peggy Friedrichs
Mrs Jocelyn Fuller
Mrs Elizabeth Ganguly
Mrs H George
Mrs Joan Glastonbury
Mr David Gordon
Mrs Ann Gordon
Mrs Olga Gostin
Ms Kaye Green
CMV Group
Mr Geoffrey Hackett-Jones
Mr Franklin & Mrs Jo Hall
Mrs Judith Hall

Dr Harry Harding
Petaluma Wines - Mr Andrew Hardy
Dr Barbara Hardy AO
Ms Evie Hassiotis
Ms Vera Hawke
Mr E Hayman
Ms Susie Herzberg
Mr Samuel Hill-Smith
Mrs Kate Hislop
Mr Simon Hobbs
Ms Penelope Horn
Mr Charles Irwin
Miss Jill James
Dr Michael Jay
Mrs Judith Jemison
Mrs Helena Jenkinson
Mr Richard Johnson
Mr Andrew Johnston
Ms Marilyn Jones
Mrs Irene Keane
Ms Brenda Keen
Mr C & Mrs Andrea King
Miss Alison Kinsman AM
Mr P J Kirk
Dr John Lehmann
Mr John Liebich
Ms Ina Liew
Dr Fong Seong Liew
Ms Shirley Lindner
Ms Maggie Lindsay-Oliver
Mr Dean & Mrs J Lines
Ms Lilly Lipman
Mrs Joan Lyons
Mrs Margaret Mackintosh
Mr Lescil Maidment
Mr Kenneth Manning
Mrs Ann Marsden
Ms Beverley Martin
Mr Kevin Mattschoss
Mrs Helen McBryde
Willunga Garden Club -
Ms Christine McComas
Ms Fay McDermott
Ms Alison McPharlin
Mr Robert Miller
Mr Joseph Miller
Dr Roger Monk
Mrs Judith Mount
Dr Peter Noblet AM
Ms Jennifer O'Donohue
Mr Peter & Mrs Gina Osborne
Ms Marian Parker
Ms Penny Paton
Mrs Helen Pearce
Mrs Patricia Pearson
Mrs Anne Pickhaver

Mr K Pitman
 Mr D Porter
 Mr T Powell
 Miss Jean Price
 Mr Chris Prider
 Mr Ian Ramsay
 Mrs Chris Ratcliffe
 Ms Alison Rayner
 Mr Robert Read
 Mrs Diana Revitt
 Mrs Margaret Roberts
 Mrs Enid Robertson
 Mrs Hilary Robinson
 Mr Michael Robinson
 Mrs Barb Rogers
 Mr Joe Sabato
 Mrs Lorraine Sampson
 Ms Helen Sanders
 Mrs Meredyth & Mr Don Sarah AM
 Mr Antony & Mrs Mary Lou Simpson
 Morgan Simpson Wines -
 Mr Richard Simpson
 Mrs Margaret Stephenson
 Mr Dean Stringer
 Ms Pauline Thiem
 Ms Miriam Tonkin
 Ms Mary Trembath
 Dr Kym Trigg
 Mr John Twopeny
 Mr David Wald
 Mrs Valerie Wales
 Dr Barbara Wall
 Mr Geoff & Ms Judy Walshe
 Miss Evelyn Ward
 Mr Glen & Mrs Robina Weir
 Mrs Margaret White
 Mr Tony Whitehill
 Mr Brian & Mrs Lindy Wibberley
 Ms Jennifer Wightman
 Ms Claire Withers
 Mrs Cecily Wollaston
 Mrs D Womersley
 Mr Richard & Mrs Leona Woolcock
 Mr Ian Young
 Mrs Pamela Yule

Chris Steele Scott OAM
Visitor Pavilion
Mount Lofty Botanic Garden

Mrs Andrea Adams &
 Ms Chris Ketley
 Mr Chris & Mrs Liz Addams-Williams
 Mr Silvio & Mrs Natalija Apponyi
 Mrs Meredith Babidge

Klein Family Foundation
 Mr Andrew Bishop
 Mr Robert & Mrs Margaret Blows
 Ms Trish Byrne
 Ms Vickie Chapman MLC
 Mrs Marianna & Mr Dale Cleves
 Ms Pauline Cudmore
 Dr H & Mrs J Dean
 Dr Lyn Edwards & Dr Robert Bryce
 Mr Stephen Forbes &
 Ms Rebecca Knol
 Friends of the Botanic Gardens
 of Adelaide
 Ms Daphne Goldsworthy
 Mr Alister Haigh
 Mr Steve Hailstone
 Newman's Nursery -
 Mrs Dianne & Mr Jon Hall
 Mrs Tiffany Harding
 Mr John & Mrs Bobbie Harries
 Ms Victoria Harrison
 Mrs Joan Hawkes
 Mr Richard & Mrs Margaret
 Heathcote
 Mr Desmond & Mrs Margaret
 Hoffmann
 Ms Susan Howard
 Dr Jeff & Dr Gill Jenkinson
 Ms Caroline Jones
 Ms Harriet Ketley
 Mrs Rosemary Khurana
 Mr Bryce & Mrs Beverley Kohler
 Mrs Judith Kohlhausen
 Mr Christopher & Mrs Margaret Lee
 Mrs Ann Lucas
 Mr Hugh &
 Mrs Fiona MacLachlan OAM
 Mrs Judith & Mr Donald Mair
 Dr Susan & Mr Fred Mann
 Mrs Leonie Matheson
 Dr Colin & Mrs Jean Matthews
 Dr Ed & Mrs Margaret McAlister
 Stirling & Hills Garden Club -
 Mrs Meredith McBratney
 Mrs Kay McFarlane
 Mr David & Mrs Elizabeth Miller
 Ms Felicia Mitchell
 Dr Brenton Mollison
 Mrs Judy Morris
 Mr Alan & Mrs Suzanne Morris
 Mr Chris & Mrs Caroline Newton
 Mr Victor & Mrs Margie Patrick
 Mr Mark & Mrs Frances Radford
 Mrs Judith Rischbieth
 Mr John Rothwell
 Ms Frances Saunders

Mr Nick & Mrs Gill Scott
 Mrs Clare Shearman
 Ms Dianne Smith
 Ms Rebecca Steele Scott
 Ms Jenny Steele Scott OAM
 Mr Nigel Steele Scott
 Mr Doug & Mrs Adrienne Stott
 Mr Trevor Stratton
 Mr Donald Sweeney
 Ms Anne Timmis
 Mr Richard & Mrs Mary Watson
 Mr Richard Weate
 Mrs Deb Weir
 Dr Graham West
 Mr Peter Wiadrowski
 Mrs Mary Wilson
 Hon. David & Mrs Jill Wotton

Committed to safety

The Board of the Botanic Gardens and State Herbarium is committed to ensuring the safety of Gardens and Herbarium staff, volunteers and visitors. The Board abides by DEWNR Workplace Health and Safety procedures and reporting on this matter is contained in the DEWNR 2014-15 Annual Report.

The Botanic Gardens and State Herbarium raised awareness of Workplace Health and Safety across Adelaide, Mount Lofty and Wittunga Botanic Gardens with great success. There have been no Lost Time Injuries (LTI) relating to heat stress, fire or severe weather since the implementation of these policies in December 2010.

Staff have subsequently set a record for zero LTIs. The last recorded LTI was on 27 March 2011, substantially exceeding the previous record of 677 days between LTIs.

Botanic Gardens and State Herbarium Operations were audited for compliance in 2014-15 and no significant issues were identified. Site Workplace Health and Safety Committees continue to meet quarterly, with additional toolbox discussions and staff forums held to discuss any pressing matters.

Number of days since LTI as of 30 June 2015

Site	Days	Date of last incident
Adelaide Botanic Garden	1556	27 March 2011
Mount Lofty Botanic Garden	2051	17 November 2009
Wittunga Botanic Garden	4269	22 October 2003
Plant Biodiversity Centre	3437	31 January 2006

Emergency Preparedness and Response

Botanic Gardens and State Herbarium Business Continuity and Response plans have been reviewed and updated as required. A Mount Lofty Botanic Garden Fire Response Plan for non-closure fire ban days has been developed and implemented.

The Botanic Gardens Severe Weather Closure Policy and Mount Lofty Botanic Garden Response to Fire Danger Rating 50+ policy have been reviewed by site committees and continue to operate efficiently.

Land acquired for Mount Lofty Botanic Garden

A block of land adjacent to Mount Lofty Botanic Garden was acquired in 2014 by the Board of the Botanic Gardens and State Herbarium. The Gardens seized the opportunity to purchase the land, securing it from development.

The location of the property is central to the main vista of the garden and its acquisition will safeguard Mount Lofty Botanic Garden's beauty for future generations.

The land is currently being maintained by Botanic Gardens staff on a cost neutral basis. An existing lease arrangement for a natural spring on the property ensures maintenance requirements can be met without budget implications.

In 2014-15 two residences on the land were renovated in readiness for residential tenancy, providing a regular source of income for the Board.

Professional development

The Botanic Gardens and State Herbarium take great pride in ensuring staff and volunteers are world class in their knowledge, understanding and delivery of information, programs and services. The organisation ensures staff and volunteers receive the appropriate professional and personal development required to undertake their duties.

Activity in 2014-15 included:

- Continued Think One Team training aimed at instilling practices and tools to achieve success in individual, team and organisational productivity and performance
- Ongoing training for Botanic Gardens horticultural staff to facilitate the Australian Centre of Horticultural Excellence program
- Ongoing Collections Database training for staff
- Quarterly staff forums with specialist presentations targeted at specific areas of the business
- Presentations and attendances at various state, national and international conferences.

The Australian Centre of Horticultural Excellence

The Australian Centre of Horticultural Excellence is a strategic initiative of the Botanic Gardens of South Australia in partnership with TAFE SA. The Centre's purpose is to contribute to the development of a skilled workforce for the horticultural practice and management sectors.

This training provides hands-on, practical and work-ready experiences for students. The Gardens' unique and internationally recognised plant collections and experienced staff, coupled with TAFE SA's accreditation as a Registered Training Organisation, has provided a strong foundation for the Centre as world-class leaders in the horticultural training industry.

22 students graduated Certificate II and Certificate III courses in 2014-15.

A review of the Australian Centre of Horticultural Excellence program was conducted in order to develop a strategy for its continuation in 2015 and beyond to ensure the effectiveness of the program in relation to mission, revenue and positioning of the Gardens as a learning organisation.

As a result of the review, the Centre is no longer partnering with TAFE SA, instead developing partnerships with other registered training organisations and universities.

The Centre's Master Class program for the general public is continuing to prove popular in the community. Master Classes are specialist courses run by Botanic Gardens staff and industry experts on relevant and current horticulture topics. They provide an opportunity for attendees to network with like-minded gardeners, extend their horticultural expertise and stay up-to-date with the latest techniques.

Topics covered in the 2014-15 series included Introduction to Propagation, Advanced Propagation, Pruning for Fruit, Ferns, Economic Botany, Beat the Heat, Arid and Semi arid Gardening and Soils.

Seven classes were held in the 2014-15 financial year with 107 participants attending the highly specialised classes.

Utilise efficient business technologies and processes

The Board of the Botanic Gardens and State Herbarium continues to seek alternatives to reduce carbon footprint as maintenance opportunities arise. Floodlighting across the sites has been replaced with LED lighting, the Goodman Building external lighting has been changed and all public conveniences now run LED lighting. This has been estimated to reduce running costs on these lights by 75%.

The Gardens continues to review water management systems through real time irrigation testing via iPad technology and a continued installation program of remote controllers throughout remote sites and collections.

Water harvesting upgrades for BGSA Nursery operations has seen 50 000L rainwater tanks added for reuse and the addition of irrigation controllers allowing for best practice application.

Role, Legislation and Structure

The Board is established under the *Botanic Gardens and State Herbarium Act 1978*, and is subject to the general direction and control of the Minister for Sustainability, Environment and Conservation.

Under Section 23 of the Act, the Board is required to present a report to the Minister before 30 September each year on its operations during the past financial year.

Object of the *Botanic Gardens and State Herbarium Act 1978*

The object of the Act is to provide for the establishment and management of public botanic gardens and herbaria; and for other purposes.

Role of the Board of the Botanic Gardens and State Herbarium

The Board is responsible for administering the Act and has responsibility for:

- Three garden sites:
 - Adelaide Botanic Garden and Botanic Park
 - Mount Lofty Botanic Garden
 - Wittunga Botanic Garden
- The State Herbarium

Functions of the Board of the Botanic Gardens and State Herbarium

The functions of the Board are as follows:

- a) to establish and maintain botanic and other gardens for the use and enjoyment of members of the public on land vested in or placed under the control of the Board; and
- b) to establish and manage in, or in connection with, its gardens exhibitions of interest in the fields of botany, horticulture, biology, conservation of the natural environment or history; and
- c) to establish and maintain a herbarium and, subject to this Act, to retain original specimens included in the herbarium; and

- d) to accumulate and care for specimens (whether living or preserved), objects and things of interest in the fields of botany, horticulture, biology, conservation of the natural environment or history; and
- e) to accumulate and classify data in regard to any such matters; and
- f) to manage all lands and premises vested in, or placed under the control of, the Board; and
- g) to manage all funds vested in, or under the control of, the Board and to apply those funds in accordance with the terms and conditions of any instrument of trust or other instrument affecting the disposition of those funds; and
- h) to carry out, or promote, research into matters of interest in the fields of botany, horticulture, biology, conservation of the natural environment or history; and
- i) to disseminate information of interest in the fields of botany, horticulture, biology, conservation of the natural environment or history; and
- j) to undertake the commercial exploitation of knowledge acquired by the Board in the course of conducting research; and
- k) to sell or propagate and sell (whether alone or in partnership or joint venture with a nursery business) hybrids or cultivated varieties of plants that—
 - (i) have occurred spontaneously in the Board's gardens or been developed in the course of its research activities; and
 - (ii) are not widely commercially available in the State; and
- l) to provide consultant services; and
- m) to perform any other functions of scientific, educational or historical significance that may be assigned to the Board by regulation.

The six principles that follow embody the broad concepts that lay the foundation for the Board's management and oversight of the operations of the Botanic Gardens and State Herbarium.

- Respect horticultural and botanical knowledge and skills, and seek to ensure that staff and community knowledge contribute to high-level horticultural and botanical endeavour applied to the plant collections

- Respect garden and landscape design knowledge and skills, and seek to ensure that sound design advice contributes to a high standard of landscape aesthetics within the Gardens
- Support programs with careful planning, sound marketing and appropriate evaluation; promote public awareness and understanding of the Board's role; and communicate with and be responsive to visitors and stakeholders
- Contribute to biodiversity conservation and scientific research through education and integrated plant conservation programs
- Ensure that the Board's operations model effective environmental management to the community
- Ensure that the Board can demonstrate improving effectiveness and efficiency in resource use.

Membership

The Board consists of eight members, appointed by the Governor pursuant to Section 7 of the Act. As of 30 June 2015 Board membership was as follows:

Presiding member

Judith Potter

Members

Rob Di Monte
Christine Elstob
Anne Howe AM
Helena Jenkinson
David Knox
Anne Levy AO
Ian Stirling

Meetings: General and Special

A total of seven Board meetings were held during the 2014-15 financial year. One special Board meeting was held during the 2014-15 financial year.

Attendance by appointed members at meetings:

Member	Attendance
Judith Potter	7
Rob Di Monte	7
Christine Elstob	7
Anne Howe AM	6
David Knox	5
Helena Jenkinson	7
Anne Levy AO	7
Ian Stirling	7

The Board's Finance and Risk Management Committee chaired by Rob Di Monte met once during the 2014-15 financial year.

Governance Arrangements

DEWNR provides support to the Board of the Botanic Gardens and State Herbarium by providing an Executive Officer and Secretary for administration and governance. Reporting on this matter is contained in the DEWNR Annual Report 2014-15.

Management of Human Resources

Board Member Fees

Members of the Board of the Botanic Gardens and State Herbarium (other than government employees) received the following remuneration as determined by the Governor of South Australia:

- Chair: \$18 572
- Member: \$12 383

Employee Numbers, Gender and Status

The Board of the Botanic Gardens and State Herbarium has no staff of its own and utilises the services of the Department of Environment, Water and Natural Resources (DEWNR). Reporting on this matter is contained in the DEWNR Annual Report 2014-15.

Executive, administrative and project support were provided to the Board of the Botanic Gardens and State Herbarium from existing DEWNR resources.

The gender balance of the Board of the Botanic Gardens and State Herbarium is taken into consideration when members are appointed. During this reporting period, membership of the Board was made up of three males and five females.

The following matters are contained in the DEWNR Annual Report 2014-15:

- Workforce Diversity
- Workplace Adaptation
- Executives
- Leave Management
- Performance Development
- Leadership and Management Development
- Employment Opportunity Programs
- Work Health and Safety and Injury Management
- Reporting Against the *Carers Recognition Act 2005*
- Disability Access and Inclusion Plans
- Government Buildings Energy Strategy
- Public Complaints
- Sustainability Reporting
- Financial Performance
- Account Payment Performance.

Contractual Arrangements

The Board of the Botanic Gardens and State Herbarium did not enter into any contractual arrangements exceeding \$4 million during this reporting period.

Fraud

It is declared that there were no instances of fraud detected in the activities undertaken by the Board of the Botanic Gardens and State Herbarium in this reporting period. Financial services are provided to the Board of the Botanic Gardens and State Herbarium by DEWNR. Strategies to detect instances of fraud are reported in the DEWNR Annual Report 2014-15.

Consultants

The Board of the Botanic Gardens and State Herbarium did not engage any consultants in this reporting period.

Overseas Travel

It is declared that no member of the Board of the Botanic Gardens and State Herbarium has travelled overseas on Board business during this reporting period.

Asbestos Management in Government Buildings

Asbestos risk is managed through registers maintained on site as per Government procedures.

Urban Design Charter

No events occurred in 2014-15 that required the Board of the Botanic Gardens and State Herbarium to consider the principles of urban design contained in the South Australian Urban Design Charter.

Freedom of Information Statements

As a DEWNR administered entity, the Board of the Botanic Gardens and State Herbarium participates and abides by the arrangements outlined in the DEWNR Freedom of Information regime. Reporting on this matter is available on the DEWNR internet site. Please visit environment.sa.gov.au to view the FOI statement.

Whistleblowers Protection Act 1993

Reporting requirements against the *Whistleblowers Protection Act 1993* require the Board of the Botanic Gardens and State Herbarium to report on the number of occasions on which public interest information has been disclosed to a Responsible Officer of the agency. There were no disclosures made during the 2014-15 financial year.

Regional Impact Assessment Statements

The Board of the Botanic Gardens and State Herbarium did not undertake any regional Impact Assessment Statements during the 2014-15 financial year.

Reconciliation Statement

The Board of the Botanic Gardens and State Herbarium recognise South Australia's Aboriginal people as the traditional custodians of the State's lands, water, plants and animals, commonly known as country.

The Board observes that country is central to the social, cultural and spiritual lives of Aboriginal people.

The Board acknowledges the damage done to Aboriginal people and society, individually and collectively, through colonisation, settlement and displacement.

The Board of the Botanic Gardens and State Herbarium will endeavour to repair the damage, and where that is not possible, to reconcile the past. We will build respectful and honest relationships through our work and develop a better awareness of Aboriginal history, knowledge and culture. We will ask and listen, before we act.

And every day, we will work with Aboriginal people to conserve and manage our environment and natural resources.

Acknowledgements

No member of the Board of the Botanic Gardens and State Herbarium has either a direct or indirect pecuniary interest in any firm, trust or company with which the Board has entered into arrangements during the 2014-15 financial year.¹

Financial Report

Financial Performance

The Board is a body corporate under Section 6 of the Act and is required to cause proper accounts to be kept of its financial affairs. The Auditor General may at any time, and at least once in each year, audit the accounts of the Board.

The Board must, on or before 30 September in each year, present a report to the Minister on the operations of the Board during the preceding financial year. This report must include the audited statement of accounts of the Board for the financial year to which the report relates.

Account Payment Performance

DEWNR provides administrative resources for processing account payments. The Board's reporting on this matter is contained in the DEWNR Annual Report 2014-15.

¹ During the 2014-15 financial year, the Adelaide Botanic Gardens Foundation received sponsorship support from Santos and ElectraNet.

Annual Financial Statements for the year ended 30 June 2015

Board of the Botanic Gardens and State Herbarium



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ABN 53 327 061 410
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To the Chair of the Board
Board of the Botanic Gardens and State Herbarium

As required by section 31(1)(b) of the *Public Finance and Audit Act 1987* and section 22(2) of the *Botanic Gardens and State Herbarium Act 1978*, I have audited the accompanying financial report of the Board of the Botanic Gardens and State Herbarium for the financial year ended 30 June 2015. The financial report comprises:

- a Statement of Comprehensive Income for the year ended 30 June 2015
- a Statement of Financial Position as at 30 June 2015
- a Statement of Changes in Equity for the year ended 30 June 2015
- a Statement of Cash Flows for the year ended 30 June 2015
- notes, comprising a summary of significant accounting policies and other explanatory information
- a Certificate from the Acting Chair, Board of the Botanic Gardens and State Herbarium and the Acting Director Botanic Gardens and the Chief Financial Officer of the Department of Environment, Water and Natural Resources.

Board's Responsibility for the Financial Report

The Board are responsible for the preparation of the financial report that gives a true and fair view in accordance with the Treasurer's Instructions promulgated under the provisions of the *Public Finance and Audit Act 1987* and Australian Accounting Standards, and for such internal control as the Board determines is necessary to enable the preparation of the financial report that is free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

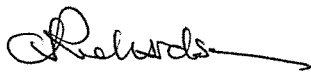
My responsibility is to express an opinion on the financial report based on the audit. The audit was conducted in accordance with the requirements of the *Public Finance and Audit Act 1987* and Australian Auditing Standards. The auditing standards require that the auditor comply with relevant ethical requirements and that the auditor plan and perform the audit to obtain reasonable assurance about whether the financial report is free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial report. The procedures selected depend on the auditor's judgement, including the assessment of the risks of material misstatement of the financial report, 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 report that gives a true and fair view in order to design audit procedures that are appropriate in the circumstances. An audit also includes evaluating the appropriateness of the accounting policies used and the reasonableness of accounting estimates made by the Board, as well as the overall presentation of the financial report.

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

Opinion

In my opinion, the financial report gives a true and fair view of the financial position of the Board of the Botanic Gardens and State Herbarium as at 30 June 2015, its financial performance and its cash flows for the year then ended in accordance with the Treasurer's Instructions promulgated under the provisions of the *Public Finance and Audit Act 1987* and Australian Accounting Standards.



Andrew Richardson

Auditor-General

13 October 2015

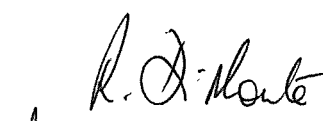
Board of the Botanic Gardens and State Herbarium

Certification of the Financial Statements

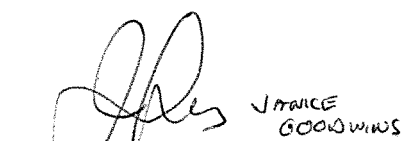
We certify that the attached general purpose financial statements for the Board of the Botanic Gardens and State Herbarium:

- comply with relevant Treasurer's Instructions issued under section 41 of the *Public Finance and Audit Act 1987*, and any relevant Australian Accounting Standards;
- are in accordance with the accounts and records of the Board; and
- present a true and fair view of the financial position of the Board of the Botanic Gardens and State Herbarium as at 30 June 2015 and the results of its operations and cash flows for the financial year.

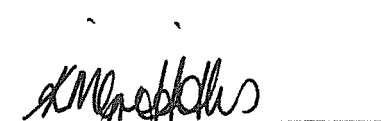
We certify that the internal controls employed by the Board of the Botanic Gardens and State Herbarium for the financial year over its financial reporting and its preparation of the general purpose financial statements have been effective throughout the reporting period.


Judy Potter
Chair
Board of the Botanic
Gardens and State
Herbarium

9 October 2015


Stephen Forbes
Director
Botanic Gardens
Department of Environment,
Water and Natural Resources

9 October 2015


Michelle Griffiths
Chief Financial Officer
Department of Environment,
Water and Natural Resources

29 September 2015

Board of the Botanic Gardens and State Herbarium

Statement of Comprehensive Income

For the year ended 30 June 2015

	Note	2015 \$'000	2014 \$'000
Expenses			
Board member expenses	5	119	119
Supplies and services	6	766	664
Depreciation expense	7	1 593	1 851
Grants and subsidies	8	916	786
Other expenses	10	25	52
Total expenses		3 419	3 472
Income			
Revenues from fees and charges	11	1 233	1 173
Grant revenues	12	224	119
Interest revenues	13	63	92
Resources received free of charge	14	10 270	20
Net gain/(loss) from disposal of non-current assets	9	4	(40)
Other income	15	265	24
Total income		12 059	1 388
Net cost of / (benefit from) providing services		(8 640)	2 084
Net result		8 640	(2 084)
Total comprehensive result		8 640	(2 084)

The net result and total comprehensive result are attributable to the SA Government as owner

The above statement should be read in conjunction with the accompanying notes

Board of the Botanic Gardens and State Herbarium
Statement of Financial Position
As at 30 June 2015

	Note	2015 \$'000	2014 \$'000
Current assets			
Cash and cash equivalents	16	2 491	2 906
Receivables	17	124	39
Inventories	18	78	73
Total current assets		<u>2 693</u>	<u>3 018</u>
Non-current assets			
Property, plant and equipment	19	49 208	40 486
Total non-current assets		<u>49 208</u>	<u>40 486</u>
Total assets		<u>51 901</u>	<u>43 504</u>
Current liabilities			
Payables	21	101	344
Total current liabilities		<u>101</u>	<u>344</u>
Total liabilities		<u>101</u>	<u>344</u>
Net assets		<u>51 800</u>	<u>43 160</u>
Equity			
Asset revaluation surplus		9 300	9 300
Retained earnings		42 500	33 860
Total equity		<u>51 800</u>	<u>43 160</u>
The total equity is attributable to the SA Government as owner			
Unrecognised contractual commitments	25		
Contingent assets and liabilities	26		

The above statement should be read in conjunction with the accompanying notes

Board of the Botanic Gardens and State Herbarium

Statement of Changes in Equity

For the year ended 30 June 2015

	Asset Revaluation Surplus	Retained Earnings	Total
Note	\$'000	\$'000	\$'000
Balance at 30 June 2013	9 300	35 944	45 244
Net result for 2013-14	-	(2 084)	(2 084)
Total comprehensive result for 2013-14	-	(2 084)	(2 084)
Balance at 30 June 2014	9 300	33 860	43 160
Net result for 2014-15	-	8 640	8 640
Total comprehensive result for 2014-15	-	8 640	8 640
Balance at 30 June 2015	9 300	42 500	51 800

All changes in equity are attributable to the SA Government as owner

The above statement should be read in conjunction with the accompanying notes

Board of the Botanic Gardens and State Herbarium

Statement of Cash Flows

For the year ended 30 June 2015

	Note	2015 \$'000	2014 \$'000
Cash flows from operating activities			
Cash outflows			
Board member payments		(119)	(119)
Payments for supplies and services		(1 009)	(402)
Payments of grants and subsidies		(916)	(786)
Other payments		(30)	(33)
Cash used in operations		<u>(2 074)</u>	<u>(1 340)</u>
Cash inflows			
Fees and charges		1 145	1 220
Receipts from grants		224	119
Interest received		66	93
Other receipts		265	24
Cash generated from operations		<u>1 700</u>	<u>1 456</u>
Net cash (used in)/provided by operating activities	22	<u><u>(374)</u></u>	<u><u>116</u></u>
Cash flows from investing activities			
Cash Outflows			
Purchase of property, plant and equipment		(45)	(750)
Cash used in investing activities		<u>(45)</u>	<u>(750)</u>
Cash Inflows			
Proceeds from sale of property, plant and equipment		4	6
Cash generated from investing activities		<u>4</u>	<u>6</u>
Net cash used in investing activities		<u><u>(41)</u></u>	<u><u>(744)</u></u>
Net decrease in cash and cash equivalents		<u><u>(415)</u></u>	<u><u>(628)</u></u>
Cash and cash equivalents at the beginning of the period		2 906	3 534
Cash and cash equivalents at the end of the period	16	<u><u>2 491</u></u>	<u><u>2 906</u></u>

The above statement should be read in conjunction with the accompanying notes

Board of the Botanic Gardens and State Herbarium

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For the year ended 30 June 2015

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Board of the Botanic Gardens and State Herbarium
Notes to and forming part of the Financial Statements
For the year ended 30 June 2015

1 Objectives of the Board

(a) Strategic Context

The Board of the Botanic Gardens & State Herbarium (the Board) was established under section 6 of the *Botanic Gardens and State Herbarium Act 1978* (the Act).

The objectives of the Board are to ensure the maintenance and development of the South Australian Botanic Gardens and State Herbarium by:

- (a) establishing and maintaining botanic and other gardens for the use and enjoyment of members of the public on land vested in or placed under the control of the Board
- (b) establishing and managing in, or in connection with, its gardens exhibitions of interest in the fields of botany, horticulture, biology, conservation of the natural environment or history
- (c) establishing and maintaining a herbarium and, subject to this Act, retaining original specimens included in the herbarium
- (d) accumulating and caring for specimens (whether living or preserved), objects and things of interest in the fields of botany, horticulture, biology, conservation of the natural environment or history
- (e) accumulating and classifying data in regard to any such matters
- (f) managing all lands and premises vested in, or placed under the control of, the Board
- (g) managing all funds vested in, or under the control of, the Board and applying those funds in accordance with the terms and conditions of any instrument of trust or other instrument affecting the disposition of those funds
- (h) carrying out, or promoting, research into matters of interest in the fields of botany, horticulture, biology, conservation of the natural environment or history
- (i) disseminating information of interest in the fields of botany, horticulture, biology, conservation of the natural environment or history
- (j) undertaking the commercial exploitation of knowledge acquired by the Board in the course of conducting research
- (k) selling or propagating and selling (whether alone or in partnership or joint venture with a nursery business) hybrids or cultivated varieties of plants that:
 - (i) have occurred spontaneously in the Board's gardens or been developed in the course of its research activities
 - (ii) are not widely commercially available in the State
- (l) providing consultant services
- (m) performing any other functions of scientific, educational or historical significance that may be assigned to the Board by regulation.

(b) Financial Arrangements

The financial activities of the Board are administered through the Botanic Gardens Endowment and Commercial Fund (the Fund) in accordance with the Act. The Fund is an interest bearing Deposit Account with the Department of Treasury and Finance (DTF) pursuant to section 21(1) of the *Public Finance and Audit Act 1987*.

The Fund's sources of revenue include:

- donations
- grants and bequests
- sponsorships
- retail sales
- fees and charges for services to the public.

The Department of Environment, Water and Natural Resources (DEWNR) conducts a large number of activities directed towards meeting the Board's responsibilities under the Act. Due to DEWNR receiving appropriation funding, and directing and controlling the expenditure for these activities, the revenue and expenditure relating to those activities are recognised in DEWNR's financial statements rather than the Board's. Activities undertaken by DEWNR in support of the administration of the Act and Board are disclosed in Note 30.

In accordance with the provisions of the Act, the Board has delegated certain functions to officers within DEWNR who provide certain technical and administrative support including the use of certain plant and equipment, office accommodation and various administrative services. The cost of the services provided that are identifiable with the activities of the Board and can be measured reliably, are met by the Board. Other support services that are not identifiable and/or cannot be measured reliably are provided free of charge and have not been recognised in these financial statements.

2 Summary of significant accounting policies

(a) Statement of compliance

The financial statements have been prepared in compliance with section 23 of the *Public Finance and Audit Act 1987*.

The financial statements are general purpose financial statements. The accounts have been prepared in accordance with Australian Accounting Standards and comply with Treasurer's Instructions and Accounting Policy Statements promulgated under the provisions of the *Public Finance and Audit Act 1987*.

The Board has applied Australian Accounting Standards that are applicable to not-for-profit entities, as the Board is a not-for-profit entity.

Except for AASB 2015-7 which the Board has early adopted, Australian Accounting Standards and interpretations that have recently been issued or amended but are not yet effective have not been adopted by the Board for the reporting period ending 30 June 2015 (refer note 3).

Board of the Botanic Gardens and State Herbarium
Notes to and forming part of the Financial Statements
For the year ended 30 June 2015

2 Summary of significant accounting policies (continued)

(b) Basis of preparation

The preparation of the financial statements requires:

- The use of certain accounting estimates and require management to exercise its judgement in the process of applying the Board's accounting policies. The areas involving a higher degree of judgement or where assumptions and estimates are significant to the financial statements, are outlined in the applicable notes
- The selection and application of accounting policies in a manner which ensures that the resulting financial information satisfies the concepts of relevance and reliability, thereby ensuring that the substance of the underlying transactions or other events are reported
- Compliance with Accounting Policy Statements issued pursuant to section 41 of the *Public Finance and Audit Act 1987*. In the interest of public accountability and transparency the Accounting Policy Statements require the following note disclosures, which have been included in these financial statements:
 - (a) revenues, expenses, financial assets and financial liabilities where the counterparty/transaction is with an entity within the SA Government as at reporting date, classified according to their nature. A threshold of \$100 000 for separate identification of these items may be utilised
 - (b) expenses incurred as a result of engaging consultants
 - (c) board/committee member and remuneration information, where a board/committee member is entitled to receive income from membership other than a direct out-of-pocket reimbursement.

The Board's Statement of Comprehensive Income, Statement of Financial Position and Statement of Changes in Equity have been prepared on an accrual basis and are in accordance with historical cost convention, except for certain assets that were valued in accordance with the valuation policy applicable.

The Statement of Cash Flows is prepared on a cash basis.

The financial statements have been prepared based on a 12 month period and presented in Australian currency.

The accounting policies set out below have been applied in preparing the financial statements for the year ended 30 June 2015 and the comparative information presented.

(c) Reporting entity

The Board is a reporting entity, established pursuant to the *Botanic Gardens and State Herbarium Act 1978*.

(d) Comparative information

The presentation and classification of items in the financial statements are consistent with prior periods except where specific accounting standards and/or accounting policy statements have required a change.

Where presentation or classification of items in the financial statements have been amended, comparative figures have been adjusted to conform to changes in presentation or classification in these financial statements unless impracticable.

The restated comparative amounts do not replace the original financial statements for the preceding period.

(e) Rounding

All amounts in the financial statements have been rounded to the nearest thousand dollars (\$'000).

(f) Taxation

The Board is not subject to income tax. The Board is liable for fringe benefits tax, emergency services levy, land tax equivalents and local government rate equivalents.

DEWNR prepares a Business Activity Statement on behalf of the Board under the grouping provisions of the GST legislation. Under these provisions, DEWNR is liable for the payments and entitled to the receipts associated with GST. Therefore, the Board's net GST receivable/payable is recorded in DEWNR's Statement of Financial Position. GST cash flows applicable to the Board are recorded in DEWNR's Statement of Cash Flows.

(g) Events after the reporting period

Adjustments are made to amounts recognised in the financial statements, where an event occurs after 30 June and before the date the financial statements are authorised for issue, where those events provide information about conditions that existed at 30 June.

Note disclosure is made about events between 30 June and the date the financial statements are authorised for issue where the events relate to a condition which arose after 30 June and which may have a material impact on the results of subsequent years.

(h) Income

Income is recognised to the extent that it is probable that the flow of economic benefits to the Board will occur and can be reliably measured.

Income has been aggregated according to its nature and has not been offset unless required or permitted by a specific accounting standard, or where offsetting reflects the substance of the transaction or other event.

The following are specific recognition criteria:

Fees and Charges

Revenues from fees and charges are derived from the provision of goods and services to other SA government agencies and to the public. This revenue is recognised upon delivery of the service to the clients or by reference to the stage of completion.

Contributions received

Contributions are recognised as an asset and income when the Board obtains control of the contributions or obtains the right to receive the contributions and the income recognition criteria are met (i.e. the amount can be reliably measured and the flow of resources is probable).

Board of the Botanic Gardens and State Herbarium
Notes to and forming part of the Financial Statements
For the year ended 30 June 2015

2 (h) Income (continued)

Generally, the Board has obtained control or the right to receive for:

- Contributions with unconditional stipulations - this will be when the agreement becomes enforceable that is the earlier of when the receiving entity has formally been advised that the contribution (e.g. grant application) has been approved; agreement/contract is executed; and/or the contribution is received
- Contributions with conditional stipulations - this will be when the enforceable stipulations specified in the agreement occur or are satisfied; that is income would be recognised for contributions received or receivable under the agreement.

Resources received free of charge

Resources received free of charge are recorded as revenue in the Statement of Comprehensive Income at their fair value. Contributions of services are recognised only when a fair value can be determined reliably and the services would be purchased if they had not been donated.

Gain from disposal of non-current assets

Income from the disposal of non-current assets is recognised when the control of the asset has passed to the buyer and determined by comparing proceeds with carrying amount. When revalued assets are sold, the revaluation surplus is transferred to retained earnings.

Gains/Losses on disposal of assets are recognised at the date control of the asset is passed to the buyer and are determined after deducting the cost of the asset from the proceeds at that time.

Other income

Other income consists of sponsorships, donations, commissions and bequests. This revenue is recognised upon receipt.

(i) Expenses

Expenses are recognised to the extent that it is probable that the flow of economic benefits from the Board will occur and can reliably measured.

Expenses have been aggregated according to their nature and have not been offset unless required or permitted by a specific accounting standard, or where offsetting reflects the substance of the transaction or other event.

The following are specific recognition criteria:

Board member expenses

Board member expenses include all board fees and related on-costs including superannuation. These are recognised when incurred.

Superannuation

The amount charged to the Statement of Comprehensive Income represents the contributions made by the Board to superannuation plans in respect of current services of current Board Members. The Department of Treasury and Finance centrally recognises the superannuation liability in the whole-of-government general purpose financial statements.

Depreciation of non-current assets

All non-current assets, having a limited useful life, are systematically depreciated over their useful lives in a manner that reflects the consumption of their service potential.

Assets' residual values and useful lives are reviewed and adjusted if appropriate, on an annual basis.

Changes in the expected useful life or the expected pattern of consumption of future economic benefits embodied in the asset are accounted for prospectively by changing the time period or method, as appropriate, which is a change in accounting estimate.

Land assets are not depreciated.

Depreciation is calculated on a straight line basis over the estimated useful life of the following classes of assets:

Class of Asset	Useful Life (years)
Park Infrastructure	6-60
Plant and Equipment	2-20
Roads, Tracks and Trails	6-35
Furniture and Fittings	10
Buildings and Improvements	15-80
Vehicles	3-15
Other	5-99

Grants and subsidies

For contributions payable, the contribution will be recognised as a liability and expense when the entity has a present obligation to pay the contribution and the expense recognition criteria are met.

All contributions paid by the Board have been contributions with unconditional stipulations attached.

(i) Current and non-current classification

Assets and liabilities are characterised as either current or non-current in nature. Assets and liabilities that are to be sold, consumed or realised as part of the normal operating cycle even when they are not expected to be realised within 12 months after the reporting date have been classified as current assets or current liabilities. All other assets and liabilities are classified as non-current.

(k) Assets

Assets have been classified according to their nature and have not been offset unless required or permitted by a specific accounting standard, or where offsetting reflects the substance of the transaction or other event.

Where an asset line item combines amounts expected to be settled within 12 months and more than 12 months, the Board has separately disclosed the amounts expected to be recovered after more than 12 months.

Board of the Botanic Gardens and State Herbarium
Notes to and forming part of the Financial Statements
For the year ended 30 June 2015

2 (k) Assets (continued)

Cash and cash equivalents

Cash and cash equivalents in the Statement of Financial Position include cash at bank and on hand.

For the purposes of the Statement of Cash Flows, cash and cash equivalents consist of cash and cash equivalents as defined above.

Cash is measured at nominal value.

Receivables

Receivables include amounts receivable from goods and services provided and other accruals.

Receivables arise in the normal course of selling goods and services to other government agencies and to the public. Receivables are generally settled within 30 days after the issue of an invoice.

Collectability of receivables is reviewed on an ongoing basis. An allowance for doubtful debts is raised when there is objective evidence that the Board will not be able to collect the debt. Bad debts are written off when identified.

Inventories

Inventories include goods held either for sale or distribution at no or nominal cost in the ordinary course of business.

Inventories held for distribution, at no or nominal consideration, are measured at cost and adjusted when applicable for any loss of service potential. Inventories held for sale are measured at the lower of cost or their net realisable value.

Bases used in assessing loss of service potential for inventory held for distribution at no or minimal cost include current replacement cost and technological or functional obsolescence.

Cost for all inventory is measured on the basis of the first-in, first-out method. Net realisable value is determined using the estimated sales proceeds less costs incurred in marketing, selling and distribution to customers.

The amount of any inventory write-down to net realisable value or inventory losses are recognised in the Statement of Comprehensive Income as an expense in the period the write-down or loss occurred. Any write-down reversals are recognised as an expense reduction in the Statement of Comprehensive Income.

Non-current assets

Acquisition and recognition

Non-current assets are initially recorded at cost or at the value of any liabilities assumed, plus any incidental costs involved with the acquisition. Non-current assets are subsequently measured at fair value after allowing for accumulated depreciation.

Where assets are acquired at no value, or minimal value, they are recorded at their fair value in the Statement of Financial Position. However, if the assets are acquired at no or nominal value as part of a restructuring of administrative arrangements then the assets are recognised at book value, i.e. the amount recorded by the transferor public authority prior to the restructure.

All non-current tangible assets with a value of \$10 000 and over are capitalised.

State Herbarium Collection

The State Herbarium is the State's major provider of authoritative data and information on the plants, algae and fungi of South Australia. The collections of the State Herbarium comprise a large sustainable sample of the flora of South Australia, Australia and the world, particularly Mediterranean regions. These specimens, of which there are approximately 1 million, while providing a unique scientific resource require considerable maintenance.

The State Herbarium Collection is a heritage asset which is considered so unique that it is not capable of reliable measurement. Hence, the value of the collection has not been recognised in the Financial Statements in accordance with APF III Asset Accounting Framework.

Revaluation of non-current assets

All non-current tangible assets are valued at fair value; and revaluation of a non-current assets or group of assets is only performed when its fair value at the time of acquisition is greater than \$1 million and estimated useful life is greater than three years.

Asset classes that did not satisfy this criteria and are therefore deemed to be at fair value are:

- Furniture and fittings
- Plant and equipment
- Vehicles.

Every five years, the Board revalues its books and artefacts, land, buildings and improvements, park infrastructure and roads, tracks and trails via a (an independent/non-independent) Certified Practising Valuer or internal estimates based on indices or recent transactions. A valuation appraisal by a Certified Practising Valuer is performed at least every six years.

If at any time; management considers that the carrying amount of an asset materially differs from its fair value, then the asset will be revalued regardless of when the last valuation took place.

Non-current tangible assets that are acquired between revaluations are held at cost until the next valuation, when they are revalued to fair value.

Property, plant and equipment assets due for revaluation are assessed to determine whether they should be classified as generic assets or unique assets.

Generic building, infrastructure and road assets are valued using a data dictionary approach. The data dictionary model is contained within DEWNR's ARAMIS system. The data dictionary model calculates a value for an asset based on description, grade / composition, condition and size / quantity. The model value is adjusted by a locality factor to take into account climatic conditions. The valuation model itself is reviewed every five years.

Unique assets are items which cannot be categorised within standard data dictionary groups. Assets that are deemed to be unique are externally valued by independent professional valuers.

Board of the Botanic Gardens and State Herbarium
Notes to and forming part of the Financial Statements
For the year ended 30 June 2015

2 (k) Assets (continued)

The valuers used by the Board are as follows:

- 1 July 2011, valuation of data dictionary: buildings, infrastructure and roads, Valcorp Australia Pty Ltd, Mr F. Taormina, BAppSc (Val), AAPI
- 1 July 2011, valuation of land and unique items, Herron Todd White, Mr Paul Tilley, FAPI, AREI, CREI (Val)
- 1 July 2011, valuation of other items:
 - Library collections, Michael Treloar, Antiquarian and member of ANZAAB, ILAB and AAADA
 - Fine Art Collections and Artefacts, Anthony Hurl, BA, MSAA, MAASA, CINOA, Fine Art Valuer (Herron Todd White)

The fair value of unique items was determined by identifying a market buying price, estimated as written down modern equivalent replacement cost. The fair value of land and buildings was based on recent market transactions for similar land and buildings in the area taking into account zoning and restrictions on use.

Any revaluation increment is credited to the revaluation surplus, except to the extent that it reverses a revaluation decrease of the same asset class previously recognised as an expense, in which case the increase is recognised as income. Any revaluation decrease is recognised as an expense, except to the extent that it offsets a previous revaluation increase for the same asset class, in which case the decrease is debited directly to the revaluation surplus to the extent of the credit balance existing in the revaluation surplus for that asset class.

Any accumulated depreciation as at the revaluation date is eliminated against the gross carrying amounts of the assets and the net amounts are restated to the revalued amounts of the asset.

Restrictions on use - land

Section 14 of the Act states that the Board may not dispose of any interest in land vested in it, nor may it be divested of the control of any land placed under its control, except in pursuance of a resolution passed by both Houses of Parliament.

Given the restrictions on the use and disposal of Board land, Herron Todd White adopted an income approach in estimating the fair value of land assets. This value is significantly less than the proceeds that would be obtained in an open market for land of a comparable size and location.

Impairment

All non-current tangible and intangible assets are tested for indications of impairment at each reporting date. Where there is an indication of impairment, the recoverable amount is estimated. The recoverable amount is determined as the higher of the asset's fair value less costs of disposal and depreciated replacement cost. An amount by which the asset's carrying amount exceeds the recoverable amount is recorded as an impairment loss.

For revalued assets, an impairment loss is offset against the respective revaluation surplus.

Fair value measurement

AASB 13 defines fair value as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants, in the principal or most advantageous market, at the measurement date.

The Board classifies fair value measurement using the following fair value hierarchy that reflects the significance of the inputs used in making the measurements, based on the data and assumptions used in the most recent revaluation:

- Level 1 - traded in active markets and is based on unadjusted quoted prices in active markets for identical assets or liabilities that the entity can access at measurement date
- Level 2 - not traded in an active market and derived from inputs (inputs other than quoted prices included within level 1) that are observable for the asset, either directly or indirectly
- Level 3 - not traded in an active market and are derived from unobservable inputs.

Non-financial assets

In determining fair value, the Board has taken into account the characteristic of the asset (e.g. condition and location of the asset and any restrictions on the sale or use of the asset); and the asset's highest and best use (that is physically possible, legally permissible, financially feasible).

The Boards' current use is the highest and best use of the assets unless other factors suggest an alternative use is feasible. As the Board did not identify any factors to suggest an alternative use, fair value measurement was based on current use.

The carrying amount of non-financial assets with a fair value at the time of acquisition that was less than \$1 million or an estimated useful life that was less than three years are deemed to approximate fair value.

Refer to notes 19 and 20 for disclosure regarding fair value measurement techniques and inputs used to develop fair value measurements for non-financial assets.

(l) Liabilities

Liabilities have been classified according to their nature and have not been offset unless required or permitted by a specific accounting standard, or where offsetting reflects the substance of the transaction or other event.

Where a liability line item combines amounts expected to be settled within 12 months and more than 12 months, the Board has separately disclosed the amounts expected to be settled after more than 12 months.

Board of the Botanic Gardens and State Herbarium
Notes to and forming part of the Financial Statements
For the year ended 30 June 2015

2 (l) Liabilities (continued)

Payables

Payables include creditors, accrued expenses and board member remuneration on-costs.

Creditors represent the amounts owing for goods and services received prior to the end of the reporting period that are unpaid at the end of the reporting period. Creditors include all unpaid invoices received relating to the normal operations of the Board.

Accrued expenses represent goods and services provided by other parties during the period that are unpaid at the end of the reporting period and where an invoice has not been received.

All payables are measured at their nominal amount and are normally settled within 30 days from the date of the invoice or the date the invoice is first received.

The Board makes contributions to several State Government and externally managed superannuation schemes. These contributions are treated as an expense when they occur. There is no liability for payments to beneficiaries as they have been assumed by the respective superannuation schemes. The only liability outstanding at reporting date relates to any contributions due but not yet paid to the South Australian Superannuation Board.

Employee benefits

The Board has no employees. Services to the Board are provided by personnel employed by DEWNR, hence no employee benefits or related provisions are included in the Board's financial statements. Employee benefits relating to relevant employees are reflected in the financial statements of DEWNR.

(m) Unrecognised contractual commitments and contingent assets and liabilities

Contingent assets and contingent liabilities are not recognised in the Statement of Financial Position, but are disclosed by way of a note and, if quantifiable, are measured at nominal value.

Unrecognised contractual commitments and contingencies are disclosed net of the amount of GST recoverable from, or payable to, the Australian Taxation Office. If GST is not payable to, or recoverable from, the Australian Taxation Office, the commitments and contingencies are disclosed on a gross basis.

3 New and revised accounting standards and policies

Accounting Standards

Except for AASB 2015-7 which the Board has early adopted, Australian Accounting Standards and interpretations that have recently been issued or amended but are not yet effective, have not been adopted by the Board for the period ending 30 June 2015. The Board has assessed the impact of the new and amended standards and interpretations and considers there will be no impact on the accounting policies or the financial statements of the Board.

The new AASB 1055 *Budgetary Reporting*, which become effective for the first time in 2014-15 has no impact on the Board as the budgetary information is not separately identified and presented to Parliament in the original budgeted financial statements in respect of the reporting period (2014-15 Budget Paper 4).

In accordance with the new AASB 10 Consolidated Financial Statements and AASB 11 Joint Arrangements, which became effective for the first time in 2014-15, the Board has reviewed its control assessments (i.e. the Board's involvement with the entity; protective and substantive rights; ability to direct major relevant activities etc.) in accordance with AASB 10 and its classification assessments in accordance with AASB 11 and has concluded that there is no impact. The Board does not currently control another entity and does not have any joint arrangements within the scope of AASB11.

4 Programs of the Board

In achieving its objectives the Board conducts its services through a single program, Botanic Gardens Management. The purpose of this program is to manage the natural and cultural resources of the Botanic Gardens and State Herbarium to advance plant appreciation, knowledge and conservation through our natural and cultural collections and programs.

Board of the Botanic Gardens and State Herbarium
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5 Board member expenses	2015	2014
	\$'000	\$'000
Board and committee fees	105	105
Remuneration on-costs - superannuation	8	8
Remuneration on-costs - other	6	6
Total Board member expenses	119	119
6 Supplies and services	2015	2014
	\$'000	\$'000
Accommodation and property management expenses	146	204
Contractors	3	3
Fee for service	337	257
General administration	108	152
Information technology & communication expenses	1	-
Minor works, maintenance & equipment	161	40
Travel and accommodation	8	-
Other	2	8
Total Supplies and services	766	664
7 Depreciation expense	2015	2014
	\$'000	\$'000
Buildings and improvements	622	628
Furniture and fittings	181	182
Vehicles	20	17
Park infrastructure	585	756
Roads, tracks and trails	115	103
Plant and equipment	70	90
Other	-	75
Total Depreciation	1 593	1 851
8 Grants and subsidies	2015	2014
	\$'000	\$'000
State Government	916	786
Total Grants and subsidies	916	786
9 Net gain/(loss) from the disposal of non-current assets	2015	2014
	\$'000	\$'000
Buildings		
Proceeds from disposal	-	-
Less: Net book value of assets disposed	-	(44)
Net (loss)/gain from disposal	-	(44)
Roads, tracks and trails		
Proceeds from disposal	-	-
Less: Net book value of assets disposed	-	(2)
Net (loss)/gain from disposal	-	(2)
Moveable vehicles		
Proceeds from disposal	4	6
Less: Net book value of assets disposed	-	-
Net gain/(loss) from disposal	4	6
Total: Assets		
Total proceeds from disposal	4	6
Less: total value of assets disposed	-	(46)
Total Net gain/(loss) from disposal of non-current assets	4	(40)
10 Other expenses	2015	2014
	\$'000	\$'000
Movement in Inventory	(5)	20
Other (incl audit fees)	30	32
Total Other expenses	25	52
Audit fees paid/payable to the Auditor-General's Department relating to the audit of financial statements	30	32
Total Audit fees	30	32
Other services		
No other services were provided by the Auditor-General's Department		

Board of the Botanic Gardens and State Herbarium
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11 Revenues from fees and charges

	2015	2014
	\$'000	\$'000
Admissions and guided tours	10	11
Expiation fees	161	208
Property rental and related income	257	167
Sale of goods	17	13
Car parking	667	605
Garden functions	121	169
Total Revenue from fees and charges	1 233	1 173

12 Grant revenues

	2015	2014
	\$'000	\$'000
Grants received from other entities within the SA Government	119	119
Private industry and local government	105	-
Total Grant revenues	224	119

13 Interest revenues

	2015	2014
	\$'000	\$'000
Interest on deposit accounts - from entities within the SA Government	63	92
Total Interest revenues	63	92

14 Resources received free of charge

	2015	2014
	\$'000	\$'000
Resources received free of charge from entities within the SA Government		
Park infrastructure	10 094	-
Roads, tracks and trails	162	-
Vehicles	14	20
Total Resources received free of charge from entities within the SA Government	10 270	20

During the current year, assets to the value of \$10.270m (2014: \$0.020m) was transferred from DEWNR to the Board of the Botanic Gardens and State Herbarium free of charge. Assets transferred in the current year related to the Aquifer Storage and Redraw - First Creek Wetlands (\$10.094m); 90 Foot Road Upgrade (\$0.110m); and Summer House Path (\$0.052m), and (\$0.014m) other.

15 Other income

	2015	2014
	\$'000	\$'000
Salaries and wages recoveries	61	-
Sponsorships, donations, commissions and bequests	115	18
Other sundry revenue	89	6
Total Other income	265	24

16 Cash and cash equivalents

	2015	2014
	\$'000	\$'000
Deposits with the Treasurer	2 491	2 906
Total Cash and cash equivalents	2 491	2 906

Interest rate risk

Cash deposits are recognised at their nominal amounts and interest is credited to revenue as it accrues. The Board invests surplus funds with the Treasurer.

Interest is earned on the average monthly balance at rates based on the DTF 90 day average overnight cash interest rate and interest is paid at the end of each quarter.

17 Receivables

	2015	2014
	\$'000	\$'000
Current		
Receivables	119	31
Accrued revenues	5	8
Total Current receivables	124	39

Interest rate and credit risk

Receivables are raised for all goods and services provided for which payment has not been received. Receivables are normally settled within 30 days. Receivables and accrued revenues are non-interest bearing. It is not anticipated that counterparties will fail to discharge their obligations. The carrying amount of receivables approximates net fair value due to being receivable on demand. There is no concentration of credit risk.

(a) Maturity analysis of receivables - refer note 29

(b) Categorisation of financial instruments and risk exposure information - refer note 29.

18 Inventories

	2015	2014
	\$'000	\$'000
Inventories held for resale - at cost		
Finished goods held for resale - at cost	78	73
Total Inventories	78	73

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19 Property, plant and equipment

	2015 \$'000	2014 \$'000
Land		
Independent valuation ⁽ⁱ⁾	3 767	3 767
At cost ⁽ⁱⁱ⁾	750	750
Total Land	4 517	4 517
Buildings and improvements		
Independent valuation ⁽ⁱ⁾	38 064	38 064
Less: Accumulated depreciation	(17 160)	(16 538)
Total Buildings and improvements	20 904	21 526
Park infrastructure		
Independent valuation ⁽ⁱ⁾	54 485	54 052
At cost ⁽ⁱⁱ⁾	11 996	2 335
Less: Accumulated depreciation	(51 083)	(50 498)
Total Park infrastructure	15 398	5 889
Roads, tracks and trails		
Independent valuation ⁽ⁱ⁾	3 659	3 545
At cost ⁽ⁱⁱ⁾	547	481
Less: Accumulated depreciation	(3 092)	(2 978)
Total Roads, tracks and trails	1 114	1 048
Vehicles		
At cost (deemed fair value) ⁽ⁱⁱ⁾	354	340
Less: Accumulated depreciation	(196)	(202)
Total Vehicles	158	138
Furniture and fittings		
At cost (deemed fair value) ⁽ⁱⁱ⁾	1 794	1 794
Less: Accumulated depreciation	(1 279)	(1 098)
Total Furniture and fittings	515	696
Plant and equipment		
At cost (deemed fair value) ⁽ⁱⁱ⁾	813	813
Less: Accumulated depreciation	(573)	(503)
Total Plant and equipment	240	310
Other - Books and Artefacts		
Independent valuation ⁽ⁱ⁾	7 784	7 784
Less: Accumulated depreciation	(1 422)	(1 422)
Total Other	6 362	6 362
Total Property, plant and equipment	49 208	40 486

Carrying amounts of property, plant and equipment

Classes of property, plant and equipment are valued as follows:

- i Independent valuation:
Generic assets are valued using the Data Dictionary model. Unique assets are items which can not be categorised within the standard Data Dictionary groups. These assets are valued separately by independent professional valuers. Refer to Note 2(k) for further details.
- ii At cost (acquisition cost):
This class includes one or more items that have an acquisition cost exceeding \$1m. All assets within this class are temporarily held at cost pending revaluation.
- iii At cost (deemed fair value):
These assets have an acquisition cost below \$1m and are deemed held at fair value pursuant to Accounting Policy Framework III.

Impairment

There were no indications of impairment of property, plant and equipment as at 30 June 2015.

Movement reconciliation of property, plant and equipment:

	Land	Buildings	Park infra- structure	Roads, tracks & trails	Vehicles	Furniture & fittings	Plant & equipment	Other	2015 Sub-total	2014 Sub-total
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
2015										
Carrying amount at the start of period	4 517	21 526	5 889	1 048	138	696	310	6 362	40 486	
Acquisitions	-	-	-	19	26	-	-	-	45	
Assets received for nil consideration	-	-	10 094	162	14	-	-	-	10 270	
Subtotal	-	-	10 094	181	40	-	-	-	10 315	
Gains/(losses) for the period recognised in net result:										
Depreciation expense	-	(622)	(585)	(115)	(20)	(181)	(70)	-	(1 593)	
Subtotal	-	(622)	(585)	(115)	(20)	(181)	(70)	-	(1 593)	
Carrying amount at the end of period	4 517	20 904	15 398	1 114	158	515	240	6 362	49 208	

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19 Property, plant and equipment (continued)

Movement reconciliation of property, plant and equipment:

	Land	Buildings	Park infra- structure	Roads, tracks & trails	Vehicles	Furniture & fittings	Plant & equipment	Other	2015 Sub-total	2014 Sub-total
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
2014										
Carrying amount at the start of period	3 767	22 154	6 645	1 151	155	878	400	6 437		41 587
Transfers to/(from) Capital WIP	750	-	-	-	-	-	-	-		750
Subtotal	750	-	-	-	-	-	-	-	-	750
Gains/(losses) for the period recognised in net result:										
Depreciation expense	-	(628)	(756)	(103)	(17)	(182)	(90)	(75)		(1 851)
Subtotal	-	(628)	(756)	(103)	(17)	(182)	(90)	(75)	-	(1 851)
Carrying amount at the end of period	4 517	21 526	5 889	1 048	138	696	310	6 362	-	40 486

20 Fair value measurement

Fair value hierarchy

The fair value of non-financial assets must be estimated for recognition and measurement or for disclosure purposes. The Board categorises non-financial assets measured at fair value into hierarchy based on the level of inputs use in measurement.

Fair value measurements recognised in the balance sheet are categorised into the following levels at 30 June 2015.

The Board had no valuations categorised into level 1 or level 2.

Fair value measurements at 30 June 2015

Recurring fair value measurements

	Level 3 \$'000
Land	4 517
Buildings and improvements	20 904
Park infrastructure	15 398
Roads, tracks and rails	1 114
Other - Books and Artefacts	6 362
Vehicles	158
Furniture and fittings	515
Plant and equipment	240
Total recurring fair value measurements	49 208

Fair value measurements at 30 June 2014

Recurring fair value measurements

	Level 3 \$'000
Land	4 517
Buildings and improvements	21 526
Park infrastructure	5 889
Roads, tracks and rails	1 048
Other - Books and Artefacts	6 362
Vehicles	138
Furniture and fittings	696
Plant and equipment	310
Total recurring fair value measurements	40 486

There were no transfers of assets between level 1 and 2 fair value hierarchy levels in 2015. The Board's policy is to recognise transfers into and out of fair value hierarchy levels as at the end of the reporting period.

Valuation techniques and inputs

Valuation techniques used to derive level 3 fair values together with the reconciliation of level 3 fair value measurements are detailed at Note 19. There were no changes in valuation techniques during 2015.

21 Payables

	2015 \$'000	2014 \$'000
Current		
Accrued expenses	32	31
Creditors	69	313
Total Current Payables	101	344

Interest rate and credit risk

Creditors and accruals are raised for all amounts billed but unpaid. Sundry creditors are normally settled within 30 days. All payables are non-interest bearing. The carrying amount of payables represents fair value due to the amounts being payable on demand.

(a) Maturity analysis of payables - refer note 29.

(b) Categorisation of financial instruments and risk exposure information - refer note 29.

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22 Cash flow reconciliation

	2015 \$'000	2014 \$'000
Reconciliation of cash and cash equivalents at the end of the reporting period:		
Cash and cash equivalents disclosed in the Statement of Financial Position	2 491	2 906
Balance as per the Statement of Cash Flows	2 491	2 906
Reconciliation of net cash provided by operating activities to net cost of providing services:		
Net cash (used in)/provided by operating activities	(374)	116
Add/(less) non-cash items		
Depreciation expense of non-current assets	(1 593)	(1 851)
Assets received free of charge	10 270	20
Net gain/(loss) on sale of non-current assets	4	(40)
Movement in assets and liabilities		
Increase/(decrease) in receivables	85	(48)
Increase/(decrease) in inventories	5	(19)
Decrease/(increase) in payables	243	(262)
Net cost of providing services	<u>8 640</u>	<u>(2 084)</u>

23 Transactions with SA Government

The following table discloses revenues, expenses, financial assets and liabilities where the counterparty/transaction is with an entity within the SA Government as at the reporting date, classified according to their nature. Transactions with SA Government entities below the threshold of \$100 000 have been included with the non-government transactions, classified according to their nature.

		SA Government		Non-SA Government		Total	
	Note	2015 \$'000	2014 \$'000	2015 \$'000	2014 \$'000	2015 \$'000	2014 \$'000
Expenses							
Board member expenses	5	-	-	119	119	119	119
Supplies and services	6						
Accommodation and property management expenses		130	193	16	11	146	204
Contractors		-	-	3	3	3	3
Fee for service		229	234	108	23	337	257
General administration		-	-	108	152	108	152
Information technology & communication expenses		-	-	1	-	1	-
Minor works, maintenance & equipment		111	-	50	40	161	40
Travel and accommodation		-	-	8	-	8	-
Other		-	-	2	8	2	8
Depreciation expense	7	-	-	1 593	1 851	1 593	1 851
Grants and subsidies	8	916	786	-	-	916	786
Net (gain)/loss from disposal of non-current assets	9	-	-	-	40	-	40
Other expenses	10	-	-	25	52	25	52
Total expenses		<u>1 386</u>	<u>1 213</u>	<u>2 033</u>	<u>2 299</u>	<u>3 419</u>	<u>3 512</u>
Income							
Revenues from fees and charges	11						
Admissions and guided tours		-	-	10	11	10	11
Expiation fees		-	-	161	208	161	208
Property rental and related income		-	-	257	167	257	167
Sale of goods		-	-	17	13	17	13
Car parking		-	-	667	605	667	605
Garden functions		-	-	121	169	121	169
Grant revenues	12	119	119	105	-	224	119
Interest revenues	13	-	-	63	92	63	92
Resources received free of charge	14	10 270	20	-	-	10 270	20
Net (gain)/loss from disposal of non-current assets	9	-	-	4	-	4	-
Other income	15						
Salaries and wages recoveries		-	-	61	-	61	-
Sponsorships, donations, commissions and bequests		-	-	115	18	115	18
Other sundry revenue		-	-	89	6	89	6
Total income		<u>10 389</u>	<u>139</u>	<u>1 670</u>	<u>1 289</u>	<u>12 059</u>	<u>1 428</u>
Financial assets							
Receivables	17	-	-	119	31	119	31
Accrued revenues		-	-	5	8	5	8
Inventories	18	-	-	78	73	78	73
Total financial assets		<u>-</u>	<u>-</u>	<u>202</u>	<u>112</u>	<u>202</u>	<u>112</u>
Financial liabilities							
Payables	21						
Accrued expenses		-	-	32	31	32	31
Creditors		-	193	69	120	69	313
Total financial liabilities		<u>-</u>	<u>193</u>	<u>101</u>	<u>151</u>	<u>101</u>	<u>344</u>

Board of the Botanic Gardens and State Herbarium
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24 Restrictions on contributions received

The Board is engaged in a variety of funding programs involving State and Commonwealth sources that provide monies to the Board on the premise that these funds are expended in a manner consistent with the terms of the agreement. At reporting date the Board had the following outstanding funding commitments:

	2015	2014
	\$'000	\$'000
Books and publications	126	115
Garden improvements	1 758	1 834
Research	175	175
Other	503	674
Total Restrictions on contributions received	2 562	2 798

25 Unrecognised contractual commitments

The Board had no unrecognised contractual commitments as at 30 June 2015. All capital commitments associated with the Board are managed by the Department of Environment, Water and Natural Resources and reflected in their financial statements.

26 Contingent assets and liabilities

The Board is not aware of the existence of any contingent assets or contingent liabilities.

27 Remuneration of board members

Members of the board and committee during the 2014-15 financial year were:

Board of the Botanic Gardens & State Herbarium

Dimonte R
Elslob, C A
Howe, A D
Jenkinson, H S
Knox, D J W
Levy, J A W
Potter, J *
Stirling I F

* *Presiding Member*

The number of members whose remuneration received or receivable falls within the following bands:

	2015	2014
	No. of members	No. of members
\$10 000 - \$19 999	7	7
\$20 000 - \$29 999	1	1
Total number of members	8	8

Remuneration of members reflects all costs of performing board/committee member duties including sitting fees and super contributions, salary sacrifice benefits and fringe benefits and any fringe benefits tax paid or payable in respect of those benefits. The total remuneration received or receivable by members was \$113 000 (2014: \$113 000).

In accordance with the Premier and Cabinet Circular No. 016, government employees are not entitled to receive any remuneration for board/committee duties during the financial year. There were no government employees on the Board.

28 Events after the reporting period

There are no known events after balance date that affect these general purpose financial statements in a material manner.

29 Financial instruments risk management/financial Instruments

29.1 Financial risk management

Risk management is managed by the Board's corporate services section and Board risk management policies are in accordance with the *Risk Management Policy Statement* issued by the Premier and Treasurer and the principles established in the Australian Standard *Risk Management Principles and Guidelines*.

The Board is exposed to financial risk - liquidity risk, credit risk and market risk. There have been no changes in risk exposure since the last reporting period.

29.2 Categorisation of financial instruments

Details of the significant accounting policies and methods adopted including the criteria for recognition, the basis of measurement, and the basis on which income and expenses are recognised with respect to each class of financial asset, financial liability and equity instrument are disclosed in note 2 Summary of Significant Accounting Policies.

Refer note 29.3 for the carrying amounts of each of the following categories of financial assets and liabilities: receivables and payables measured at cost.

The Board does not recognise any financial assets or financial liabilities at fair value, but does disclose fair value in the notes.

- The carrying value less impairment provisions of receivables and payables is a reasonable approximation of their fair values due to the short-term nature of these (refer notes 2, 17 and 21).

Board of the Botanic Gardens and State Herbarium
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29 Financial instruments risk management/financial Instruments (continued)

29.3 Liquidity risk

Liquidity risk arises from the possibility that the Board is unable to meet its financial obligations as they fall due. The Board works with the Department of Treasury and Finance to determine the cash flows associated with its Government approved program of work and to ensure funding is provided through SA Government budgetary processes to meet the expected cash flows.

The Board settles undisputed accounts within 30 days from the date of the invoice or date the invoice is first received. In the event of a dispute, payment is made 30 days from resolution.

The Board's exposure to liquidity risk is insignificant based on past experience and current assessment of risk.

The carrying amount recorded in note 29.3 represent the Board's maximum exposure.

The following table discloses the carrying amount of each category of financial instrument held by the Board including the contractual maturity analysis for financial assets and liabilities (i.e. liquidity risk)

Cash flows realised from financial assets reflect management's expectation as to the timing of realisation. Actual timing may differ from that disclosed. The timing of cash flows presented in the table to settle financial liabilities reflects the earliest contractual settlement dates.

Table 29.3: Categorisation and maturity analysis of financial assets and liabilities

Category of financial asset and financial liability	Notes	2015	2015 Contractual maturities			
		Carrying amount / Fair value	Current	Within 1 year	1-5 years	More than 5 years
		\$'000	\$'000	\$'000	\$'000	\$'000
Financial assets						
Cash and cash equivalents	16	2 491	2 491	-	-	-
Receivables ⁽¹⁾	17	124	124	-	-	-
Total financial assets		2 615	2 615	-	-	-
Financial liabilities						
Payables ⁽¹⁾	21	71	71	-	-	-
Total financial liabilities		71	71	-	-	-
Category of financial asset and financial liability	Notes	2014	2014 Contractual maturities			
		Carrying amount / Fair value	Current	Within 1 year	1-5 years	More than 5 years
		\$'000	\$'000	\$'000	\$'000	\$'000
Financial assets						
Cash and cash equivalents	16	2 906	2 906	-	-	-
Receivables ⁽¹⁾	17	39	39	-	-	-
Total financial assets		2 945	2 945	-	-	-
Financial liabilities						
Payables ⁽¹⁾	21	314	314	-	-	-
Total financial liabilities		314	314	-	-	-

⁽¹⁾ Receivable and payable amounts disclosed here exclude amounts relating to statutory receivables and payables (e.g. Commonwealth, State and Local Govt taxes, fees and charges; Auditor-General's Department audit fees). In government, certain rights to receive or pay cash may not be contractual and therefore in these situations, the requirements will not apply. Where rights or obligations have their source in legislation such as levies, tax and equivalents etc they would be excluded from the disclosure. The standard defines contract as enforceable by law. All amounts recorded are carried at cost (not materially different from amortised cost).

29.4 Credit risk

Credit risk arises when there is the possibility of the Board's debtors defaulting on their contractual obligations resulting in financial loss to the Board. The Board measures credit risk on a fair value basis and monitors risk on a regular basis.

The Board has minimal concentration of credit risk. The Board has policies and procedures in place to ensure that transactions occur with customers with appropriate credit history. The Board does not engage in high risk hedging for its financial assets. No collateral is held as security and no credit enhancements relate to financial assets held by the Board.

Allowances for impairment of financial assets are calculated on past experience and current and expected changes in credit rating. At reporting date there is no evidence to indicate that any of the financial assets are impaired.

The carrying amount of financial assets as detailed in note 29.3 represents the Board's maximum exposure to credit risk.

The following table discloses the ageing of financial assets, that are past due but not impaired and impaired financial assets.

Table 29.4 Ageing analysis of financial assets

	Carrying amount	Not past due and not impaired	Past due but not impaired			Impaired financial assets
			Overdue for less than 30 days	Overdue for 30-60 days	Overdue for more than 60 days	
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
2015						
Receivables ⁽¹⁾	124	38	16	67	3	-
2014						
Receivables ⁽¹⁾	39	24	3	12	-	-

⁽¹⁾ Receivable amounts disclosed here exclude amounts relating to statutory receivables (amounts owing to government). They are carried at cost.

Board of the Botanic Gardens and State Herbarium
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29 Financial instruments risk management/financial Instruments (continued)

29.5 Market risk

The Board has no interest bearing liabilities as at the end of the reporting period. There is no exposure to foreign currency or other price risks.

Sensitivity disclosure analysis

A sensitivity analysis has not been undertaken for the interest rate risk of the Board as it has been determined that the possible impact on profit and loss or total equity from fluctuations in interest rates is immaterial.

30 Activities undertaken by Department of Environment, Water and Natural Resources

The following details the expenses and revenues incurred by the Department of Environment, Water and Natural Resources in performing activities associated with the Board.

	2015	2014
	\$'000	\$'000
Expenses from ordinary activities		
Employee benefits	5 317	5 127
Supplies and services	3 571	3 335
Grants and subsidies	119	119
Depreciation expense	290	256
Net loss/(gain) from disposal of non-current assets	10 270	20
Other expenses	-	(16)
Total Expenses from ordinary activities	19 567	8 841
Revenues from ordinary activities		
Revenues from fees and charges	93	41
Grant revenues	1 180	1 031
Other income	43	36
Total Revenues from ordinary activities	1 316	1 108
Revenues from / payments to SA Government		
Revenues from SA Government	7 981	7 713
Total Net revenues from SA Government	7 981	7 713
Net cost of activities undertaken by Department of Environment, Water and Natural Resources	(10 270)	(20)

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Appendices

Board of the Botanic Gardens and State Herbarium

Appendix 1 | Publications

Staff or associates assigned to the business of the Board are in **bold**. * denotes refereed publication.

Baldock B (2014) Life in the pond: Bloomin' algae. 'Know Our Plants'. (Ed **J Kellermann**) (State Herbarium of South Australia; Blog) <http://know.ourplants.org/news/life-in-the-pond-bloomin-algae/>.

Baldock B (2015) Life in the sea: Miniscule and mysterious. 'Know Our Plants'. (Ed **J Kellermann**) (State Herbarium of South Australia; Blog) <http://know.ourplants.org/the-plant-press/life-in-the-sea-miniscule-and-mysterious/>.

Baldock R (2014) Pictured key to *Sphacelaria* under 'Brown algae'. '*Algae revealed*'. (State Herbarium of South Australia) http://www.flora.sa.gov.au/algae_revealed/index.shtml.

Baldock R (2014) Revisions to 3 fact sheets in 'Southern Australian Groups at a glance'. '*Algae revealed*'. (State Herbarium of South Australia) http://www.flora.sa.gov.au/algae_revealed/index.shtml.

Baldock R (2014) Revisions to 90 fact sheets under 'Red algae'. '*Algae revealed*'. (State Herbarium of South Australia) http://www.flora.sa.gov.au/algae_revealed/index.shtml.

Baldock R (2014) Pictured key to *Polysiphonia* under 'Red algae'. '*Algae revealed*'. (State Herbarium of South Australia) http://www.flora.sa.gov.au/algae_revealed/index.shtml.

Baldock R (2014) Pictured key to strap-like & narrow-leaved red algae under 'Red algae'. '*Algae revealed*'. (State Herbarium of South Australia) http://www.flora.sa.gov.au/algae_revealed/index.shtml.

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Appendix 2 | Presentations

Baldock R (2015) *Beachcombing on local beaches*. Friends of the Botanic Gardens on 15 April 2015. (State Herbarium of South Australia; Presentation)

Brodie C (2014) *Collection of herbarium specimens & other reasons to collect*. (State Herbarium of South Australia; Presentation: Cowell)

Brodie C (2014) *Collection of herbarium specimens & other reasons to collect*. (State Herbarium of South Australia; Presentation: Tumby Bay)

Brodie C (2014) *Collection of herbarium specimens & other reasons to collect*. (State Herbarium of South Australia; Presentation: Port Lincoln)

Brodie C (2014) *Collection of herbarium specimens & other reasons to collect*. (State Herbarium of South Australia; Presentation: Eyre Peninsula -Wudinna NRM offices)

Brodie C (2014) *Workshop for herbarium staff*. (State Herbarium of South Australia; Presentation: Morialta Resource Centre)

Brodie C (2014) *BioBlitz field day*. 'University of South Australia'. (State Herbarium of South Australia; Presentation: Oaklands Wetland Reserve)

Brodie C (2014) *BioBlitz field day*. 'University of South Australia'. (State Herbarium of South Australia; Presentation: Harry Bowey Reserve)

Brodie C (2014) *Emerging weeds in central hills*. (State Herbarium of South Australia; Presentation: Stirling)

Brodie C (2014) *Weeds in South Australia: A regional assault*. The 19th Australasian Weeds Conference, 1-4 Sept 2014, Hobart.

Brodie C (2014) *The weeds and the State Herbarium*. 'Bush for Life 20th Anniversary'. (State Herbarium of South Australia; Presentation: Brooklyn Park)

Brodie C (2014) *Collection of herbarium specimens & other reasons to collect*. (State Herbarium of South Australia; Presentation: Keith)

Brodie C (2014) *Collection of herbarium specimens & other reasons to collect*. (State Herbarium of South Australia; Presentation: Kingston South East)

Brodie C (2014) *Collection of herbarium specimens & other reasons to collect*. (State Herbarium of South Australia; Presentation: Robe)

Brodie C (2014) *Collection of herbarium specimens & other reasons to collect*. (State Herbarium of South Australia; Presentation: Millicent)

Brodie C (2014) *Collection of herbarium specimens & other reasons to collect*. (State Herbarium of South Australia; Presentation: South East - Naracoorte)

Brodie C (2014) *Herbarium Tour*. 'Central Hills NRM group'. (State Herbarium of South Australia; Presentation)

Brodie C (2015) *Buffel grass 'lookalikes', specimen collection and identification*. 'Buffel grass workshop'. (State Herbarium of South Australia; Presentation: Port Augusta)

Brodie C (2015) *Collection of herbarium specimens*. (State Herbarium of South Australia; Presentation: Swan Reach)

Brodie C (2015) *The State Herbarium and collection of herbarium specimens*. (State Herbarium of South Australia; Presentation: Wittunga Botanic Gardens)

Brodie C (2015) *The State Herbarium and collection of herbarium specimens*. (State Herbarium of South Australia; Presentation: Strathalbyn NRM office)

Catcheside P (2014) *Ascomycetes*. 'Queensland Fungi Festival'. (Presentation: Brisbane)

Catcheside P (2014) *The fungi of Kangaroo Island*. Friends of Parks Forum. (State Herbarium of South Australia; Presentation: Kingscote, Kangaroo Island)

Catcheside P (2014) *Fungi, including fire fungi*. Friends of Telowie Gorge Conservation Park. (State Herbarium of South Australia; Presentation)

Catcheside P (2014) Fungi and Art. In: It's all about the plants series. (State Herbarium of South Australia; Presentation: Adelaide)

Catcheside P (2014) Native truffles. Field Naturalists Society of SA. (State Herbarium of South Australia; Presentation)

Catcheside P (2014) Fungi, their variety, roles and ecology. Friends of Belair National Park. (State Herbarium of South Australia; Presentation)

Catcheside P, Haska J, Bridle T, Packer J (2014) The work of the Adelaide Fungal Studies Group in children's education about fungi. Field Naturalists Society of SA. (State Herbarium of South Australia; Presentation)

Catcheside P, Vonow H, Catcheside D (2014) Iconic Kangaroo Island fungi [poster]. Friends of Parks Forum. (State Herbarium of South Australia; Presentation: Kingscote, Kangaroo Island)

Catcheside P (2015) Fungi. Friends of the Waite Reserve, (State Herbarium of South Australia; Presentation)

Catcheside P (2015) Interdependence of fungi and forests. In: Arboriculture Australia National Conference, 29 May – 2 June 2015, Adelaide.

Catcheside P (2014-15) Convener: Adelaide Fungal Studies Group. Eight meetings are held at the State Herbarium of South Australia, Adelaide.

Conran J, Bannister J, Kaulfuss U, Lee D (2014) Pollination and dispersal syndromes in Miocene floras from New Zealand. In: *Next generation systematics, Australasian Systematic Botany Society conference*, 24–28 Nov 2014, Palmerston North, NZ.

Conran J, Kaulfuss U, Lee D, Bannister J, Schmidt A (2014) Exceptional terrestrial biotas from Miocene New Zealand. In: *'GeoGenes V' Geology and Genes V 2014: a meeting of mudstone and molecules*, Wellington, NZ.

Conran J, Lee, D, Bannister J, Mildenhall D (2014) Reproductive niche conservatism during environmental change in New Zealand: apparent persistence of pollination and dispersal syndromes over 20 Myr. In: *New Zealand Ecological Society Annual Conference*, 16–20 Nov 2014, Palmerston North, NZ.

Conran J, Lee, D, Bannister J, Mildenhall D (2014) Southern New Zealand at the Oligocene–Miocene boundary: floristic and palaeoecological characterisation of Foulden Maar. In: *It's All About the Plants*, 4 Feb 2014, State Herbarium of South Australia: Adelaide.

Conran J, Lee D, Bannister J, Mildenhall D (2014) Southern New Zealand at the Oligocene–Miocene boundary: floristic and paleoecological characterisation of Foulden Maar. In: *GNS Science*, Jun 2014, Lower Hutt, NZ.

Conran J, Lindqvist J, Lee, D Reichgelt T, Mildenhall D (2014) New Zealand late Eocene Floras – Waiau and Balleny Basins, western Southland. In: *Geosciences 2014, Annual conference of the Geoscience Society of New Zealand*, 24–27 Nov 2014, New Plymouth, NZ.

Duval D (2014) The Schools Threatened Species Custodian Project – a plant conservation initiative for South Australian Schools. In: *10th Australasian Plant Conservation Conference*, Nov 2014.

Duval D (2014) Field work in the North West region. In: *It's All About the Plants*, State Herbarium of South Australia, April 2014.

Duval D (2015) Friends of the Botanic Gardens of South Australia, May 2015.

Duval D (2015) Butterfly Conservation Society, Mar 2015.

Guerin J (2015) Saving Seeds. Native Orchid Society of South Australia, May 2015.

Forbes S (2014) Collections and Knowledge: Constancy and Flux in a Sixteenth-Century Botanic Garden. In: *Out of time – symposium*, Santos Museum of Economic Botany, Botanic Gardens of South Australia, 8 Dec 2014.

Kanellos T (2015) Postcards from the Edge of the City. Session: Analogue nostalgia. The Known World. In: *The Eighth Australian Print Symposium*, National Gallery of Australia, ACT.

Kanellos T (2015) Imitation of life: a collection of 19th Century Botanical - the Adelaide/Germany connection. *European Botanical & Horticultural Libraries Conference*, 26–28 Mar 2015.

Kellermann J (2015) Research in the State Herbarium and the naming of plants. 'Lecture to 3rd year students, 31 March 2015. *The University of Adelaide course: ENV BIOL 3230 Evolution of Australian Vegetation III*'. (State Herbarium of South Australia; Presentation)

Appendix 3 | Conferences and Workshops

7th Annual Global Plants Meeting, 23–26 Sep 2014, Panamá City – Calladine A.

12th Australian Bryophyte Workshop, 30 Jun – 4 Jul 2014, Eungella, Queensland – Bell G.

Annual Fungi Survey on Kangaroo Island, 18 – 25 June 2015 with Prof David Catcheside, Flinders University of South Australia; Dr Teresa Lebel, Royal Botanic Gardens Victoria; Prof Philip Weinstein, Adelaide University. (State Herbarium of South Australia: Kangaroo Island) – Catcheside PS, Vonow H.

Annual Workshop for Adelaide Fungal Studies Group. (State Herbarium of South Australia: Deep Creek Conservation Park) – Catcheside PS.

Arboriculture Australia National Conference, 29 May – 2 June 2015, Adelaide – Catcheside PS.

Australasian Mycological Society Scientific Meeting. (Brisbane) – Catcheside PS.

Brisbane Fungi Festival. (Workshop: Brisbane) – Catcheside PS.

Buffel Grass Project: Adelaide Plains (Wild Horse Plains) & SAAL NRM region, 10–19 Mar 2015, State Herbarium of South Australia; Fieldtrip – Brodie C.

Council of the Australasian Systematic Botany Society – Barker W (President, Chair of meetings).

Development of best-practice guidelines for digitising specimens in packets (Herbarium Information Systems Committee and Managers of Australasian Herbarium Collections), 21–22 May 2015, Melbourne – Calladine A.

Digitisation of Biological Collections — a Global Focus, 13 – 16 Apr 2015, Canberra – Calladine A.

Friends of Parks Forum. (State Herbarium of South Australia; Fieldtrip: Kingscote, Kangaroo Island) – Catcheside PS.

Fungal foray: Belair National Park. (State Herbarium of SA; Fieldtrip) – Catcheside PS.

Fungal foray: Cromer Conservation Park. (State Herbarium of South Australia; Fieldtrip) – Catcheside PS.

Fungal foray: Mount Lofty Botanic Garden. (State Herbarium of SA; Fieldtrip) – Catcheside PS.

Fungal foray: Spring Mount Conservation Park. (State Herbarium of SA; Fieldtrip) – Catcheside PS.

Fungal Identification Workshop by Pam Catcheside, State Herbarium of South Australia, 20 Apr & 7 May 2015 – Brodie C, Kellermann J, Tothill C, Ricci C.

GeoGenes V. Geology and Genes V 2014: a meeting of mudstone and molecules. Geoscience Society of New Zealand. 2–3 July 2014, Wellington, NZ – Conran JG.

Geosciences 2014. Annual conference of the Geoscience Society of New Zealand, 24–27 Nov 2014, New Plymouth, NZ – Conran JG.

GNS Science. Jun 2014. Lower Hutt, NZ – Conran JG.

Herbarium Information Systems Committee (HISCOM) annual meeting, 10–12 Sep 2014, State Herbarium of South Australia (host) – Calladine A, Crichton E, Waycott M.

Herbarium Record Databases—Specify 6, 27 Jan 2015, Melbourne – Calladine A., Crichton E.

Macrofungi survey: Banrock Station. (State Herbarium of South Australia; Fieldtrip) – Catcheside PS.

Macrofungi survey: Cromer Conservation Park. 'Friends of Cromer Conservation Park'. (State Herbarium of South Australia; Fieldtrip) – Catcheside PS.

Macrofungi survey: Porter Scrub Conservation Park. 'Friends of Porter Scrub Conservation Park'. (State Herbarium of South Australia; Fieldtrip) – Catcheside PS.

Macrofungi survey: Telowie Gorge Conservation Park. 'Friends of Mount Remarkable National Park'. (State Herbarium of South Australia; Fieldtrip: Telowie Gorge Conservation Park) – Catcheside PS.

Mamungari Co-management Board Seed Conservation Workshop, 12 Feb 2015, Adelaide Botanic Garden – Chair: Duval D; presentations: Duval D, Guerin J, Yeo M.

Managers of Australasian Herbarium Collections (MAHC) annual meeting, 8–10 Sep 2014, State Herbarium of South Australia, Adelaide – Crichton E, Ricci C, Vonow HP, Waycott M.

New Zealand Ecological Society Annual Conference, 16–20 Nov 2014, Palmerston North, NZ – Conran JG.

Next generation systematics. Australasian Systematic Botany Society conference, 24–28 Nov 2014, Palmerston North, NZ – Conran JG.

One day workshop on fungal identification. (State Herbarium of SA: Adelaide) – Catcheside PS.

The 19th Australasian Weeds Conference, 1–4 Sep 2014, Hobart – Brodie C.

Visit to Tasmanian Herbarium to discuss Salix in SA and Tasmania, 5 Sep 2014, State Herbarium of South Australia; Fieldtrip – Brodie C.

Weeds collection: A1 – Augusta Hwy/Princess Hwy, 26 Feb 2015, State Herbarium of South Australia; Fieldtrip – Brodie C.

Weeds collection: Adelaide Airport drain, 12 Dec 2014, State Herbarium of South Australia; Fieldtrip – Brodie C.

Weeds collection: Adelaide Botanic Garden, 9 Dec 2014, State Herbarium of South Australia; Fieldtrip – Brodie C.

Weeds collection: Adelaide Hills, 18 Sep 2014, State Herbarium of South Australia; Fieldtrip – Brodie C.

Weeds collection: Adelaide Hills, 30 Sep 2014, State Herbarium of South Australia; Fieldtrip – Brodie C.

Weeds collection: Adelaide Hills, 15 Oct 2014, State Herbarium of South Australia; Fieldtrip – Brodie C.

Weeds collection: Adelaide Hills, 17 Oct 2014, State Herbarium of South Australia; Fieldtrip – Brodie C, Bell G.

Weeds collection: Adelaide Hills, 23 Oct 2014, State Herbarium of South Australia; Fieldtrip – Brodie C.

Weeds collection: Adelaide Hills, 26 Nov 2014, State Herbarium of South Australia; Fieldtrip – Brodie C.

Weeds collection: Adelaide Hills, 3 Dec 2014, State Herbarium of South Australia; Fieldtrip – Brodie C.

Weeds collection: Adelaide Hills, 10 Dec 2014, State Herbarium of South Australia; Fieldtrip – Brodie C.

Weeds collection: Adelaide Hills, 18 Dec 2014, State Herbarium of South Australia; Fieldtrip – Brodie C.

Weeds collection: Adelaide Hills, 28 Jan 2015, State Herbarium of South Australia; Fieldtrip – Brodie C.

Weeds collection: Barossa Valley, 2 Oct 2014, State Herbarium of South Australia; Fieldtrip – Brodie C.

Weeds collection: Belair to Bridgewater, 29 Apr 2015, State Herbarium of South Australia; Fieldtrip – Brodie C, Tothill C.

Weeds collection: Bordertown to Murray Bridge, 23–24 Sep 2014, State Herbarium of South Australia; Fieldtrip – Brodie C.

Weeds collection: Eden Valley, 22 Aug 2014, State Herbarium of South Australia; Fieldtrip – Brodie C, Lang P.

Weeds collection: Eyre Peninsula, 20–25 Jul 2014, State Herbarium of South Australia; Fieldtrip – Brodie C.

Weeds collection: Rockleigh, 8 Aug 2014 State Herbarium of South Australia; Fieldtrip – Brodie C, Vonow H.

Weeds collection: upper and lower South East, 3–7 Nov 2014, State Herbarium of South Australia; Fieldtrip – Brodie C.

Working group (of plant systematists) for developing a decadal plan for Australasian plant taxonomy and systematics – Barker W (co-founder).

Appendix 4 | Research Collaborations

AProf Daphne Lee, University of Otago, NZ (Dr John Conran; palaeobotany).

AProf. Sean Graham, University of British Columbia, Canada. (Dr John Conran; Hydatellaceae and monocot research).

Australian Plant Census (APC) network of contributors (Drs Peter Lang and Jürgen Kellermann).

Dr Angus Wood, SHSA Volunteer. (Graham Bell; Morphometric study of *Philonotis tenuis* (Musc)).

Dr Annette Koenders, Edith Cowan University (Prof Michelle Waycott; Seagrass systematics).

Dr Catherine Collier, James Cook University (Prof Michelle Waycott; Marine monitoring, seagrass adaptations to survival, environmental drivers of ecological change).

Dr Dallas Mildenhall, GNS Science, NZ (Dr John Conran; palaeobotany).

Dr Dmitry Sokloff, Department of Higher Plants, Faculty of Biology, M.V. Lomonosov Moscow State University, Moscow, Russia (Dr John Conran; Hydatellaceae research).

Dr Edward Biffin, The University of Adelaide (Dr Peter Lang; Molecular phylogeny of *Goodenia* sect. *Goodenia*; Drs Hugh Cross and Peter Lang; DNA sequencing in *Fabaceae*; Prof Michelle Waycott; molecular evolution, systematics and taxonomy of Australian flora).

Dr Elizabeth Kennedy, GNS Science, NZ (Dr John Conran; palaeobotany).

Dr Eric Bricker, Environmental Sciences, University of Virginia, USA (Prof. Michelle Waycott; systematics, evolution and population genetics of marine plants).

Dr Elizabeth Sinclair, University of Western Australia, Kings Park and Botanic Gardens (Prof Michelle Waycott; Seagrass genetics, evolution and restoration ecology).

Dr Frank Udovicic & Mr Neville Walsh, National Herbarium of Victoria, & Drs Barbara Rye & Kevin Thiele, Western Australian Herbarium (Dr Jürgen Kellermann; Revision of *Rhamnaceae* for Flora of Australia, Flora of South Australia and Flora of Tasmania).

Dr Fred Gurgel, University of Adelaide (Bob Baldock; Identification of Great Australian Bight SA algae).

Dr Fred Gurgel, University of Adelaide (Bob Baldock; Identification of Ningaloo, WA algae).

Dr Fred Gurgel, University of Adelaide (Bob Baldock; Identification of West Coast, SA algae (Coombra)).

Dr Helen C. Fortune-Hopkins, Royal Botanic Gardens Kew, UK; Dr Yohal Pillon & Dr Elizabeth A. Stacy, University of Hawai'i, USA (Dr Jürgen Kellermann; *Rhamnaceae* in New Caledonia).

Drs Jane Prider and John Virtue, Biosecurity SA, Department of Primary Industries and Regions South Australia (Bill Barker; Review for The biology of Australian weeds series in Plant Protection Quarterly journal: *Orobanche ramosa* subsp. *mutellii* L. and *O. minor* Sm.)

Dr Jennifer Tate and Cynthia Skema, Massey University, NZ, Robyn Barker, State Herbarium of SA; Dr Barbara Ambrose, New York Botanic Gardens; Dr Helal Ansari, AgResearch Ltd, NZ (Bill Barker; Morpho-genetic evolution underlying sexual polymorphism in Australasian genera of *Malvaceae*: *Malveae*).

Dr John Conran, The University of Adelaide (Prof Michelle Waycott; Systematics of *Patersonia*, *Cassytha*, evolutionary genetics of *Cephalotus*, *Drosera*).

Dr Josephine Milne, Royal Botanic Gardens Melbourne (Graham Bell; Taxonomic treatments of all Australian genera in the family *Pottiaceae* (Musc) for Flora of Australia)

Dr Kathryn McMahon, Edith Cowan University (Prof Michelle Waycott; Seagrass systematics, populations genetic diversity, seagrass adaptations and environmental drivers of ecological change, field guide production).

Dr Kristina Lemson, Edith Cowan University (Prof Michelle Waycott; Seagrass systematics).

Dr Laura Reynolds, Rutgers University, USA (Prof Michelle Waycott; Systematics, evolution and population genetics of marine plants).

Dr Maarten Christenhusz, RBG Kew, UK (Dr John Conran; Monocot and Nicotiana research).

Dr Mike Bayly & Catherine Clowes, The University of Melbourne (Dr Jürgen Kellermann; Revision of the *Spyridium parvifolium* complex).

Dr Mike Bunce, Murdoch University (Dr Hugh Cross; Camel diet study, ancient DNA of south-west WA caves; Prof. Michelle Waycott; ancient DNA).

Dr Paula Rudall, RBG Kew, UK (Dr John Conran; Hydatellaceae and monocot research), Dr Dylan Burge, University of British Columbia, Canada (Dr Bill Barker; Evolution of Celastraceae subfam. Stackhousioideae; Dr Jürgen Kellermann; North American Rhamnaceae, Ceanothus).

Dr Tom May, National Herbarium of Victoria, Royal Botanic Gardens Melbourne (Mrs Pam Catcheside; Fungimap, mapping and documentation of fungi in Australia; Fungi down under, 2nd edition).

Marine Parks Monitoring Group (Bob Baldock; Identification of algae from Pearson Island, SA).

Mr Len McKenzie, James Cook University Queensland (Prof Michelle Waycott; Marine monitoring, seagrass adaptations and environmental drivers of ecological change).

Mr Mark Wapstra, ECOtas Environmental Consulting, Tasmania (Dr Bill Barker: new species of *Euphrasia*; Dr Jürgen Kellermann; New species of *Spyridum* in Tasmania).

Prof Andrew Lowe and Mr John McDonald (Dr Ed Biffin; Evolution of biogeography of Australian saltbushes).

Prof Andrew Lowe and Mr Mathew Christmas (Dr Ed Biffin; Phylogeography and adaptive evolution of *Dodonaea viscosa*).

Prof Andrew Lowe and Ms Josephine Gerlach (Dr Ed Biffin; Phylogeography of *Podocarpus lawrencei*).

Prof Bill Lee, Landcare NZ and University of Auckland, NZ (Dr John Conran; palaeobotany).

Prof Darren Crane, James Cook University NZ (Dr John Conran; Elaeocarpaceae and Cunoniaceae palaeobotany).

Prof Dennis Stevenson, NY Botanic Gardens, USA (Dr John Conran; Monocot research).

Prof Diego Medan, Universita de Buenos Aires, Argentina, and Dr Lone Aagesen, Instituto de Botanica Darwinion, Argentina (Dr Jürgen Kellermann; Rhamnaceae morphology; comparison of Australian and South American Rhamnaceae).

Prof Don Les, University of Connecticut, USA (Prof Michelle Waycott; Systematics and evolution of seagrasses and Alismatales).

Prof Gary Kendrick, Oceans Institute, University of Western Australia (Prof Michelle Waycott; Seagrass genetics, evolution and restoration ecology).

Prof Jay Zeiman (the late), Environmental Sciences, University of Virginia, USA (Prof Michelle Waycott; Systematics, evolution and population genetics of marine plants).

Prof Jie Li, Kunming Chinese Academy of Sciences and Xishuangbanna Tropical Botanic Gardens, Yunnan, China (Dr John Conran; Angiosperm phylogeny).

Prof Joe Holtum, James Cook University (Prof Michelle Waycott; systematics of tasselferns in genus *Huperzia*; evolution of plants in arid environments; *Acacia* peuce).

Prof Paul Lavery, Edith Cowan University (Prof Michelle Waycott; field guide production, seagrass adaptations and environmental drivers of ecological change).

Prof Karen McGlathery, Environmental Sciences, University of Virginia, USA (Prof Michelle Waycott; Systematics, evolution and population genetics of marine plants).

Prof Mark Chase, RBG Kew, UK (Dr John Conran; Monocot and Nicotiana research).

Prof Michelle Waycott, Drs Ed Biffin & G Belton, University of Adelaide (Bill Barker; A molecular phylogeny of Linderniaceae).

Prof Ming-Jou Wu, Department of Natural Resources and Environmental Studies, National Dong Hwa University, Taiwan (Bill Barker; A molecular phylogeny of Australasian Euphrasia (Orobanchaceae)

Prof Yi Ting-Shuang, Kumin Institute of Botany, Chinese Academy of Science, China, and Prof. Doug Soltis, University of Florida, USA (Dr Jürgen Kellermann; World-wide phylogeny of Rhamnaceae).

R Croft, unattached programmer (Bill Barker; A new means of showing regional differences in date of collection for records on species distribution maps).

Appendix 5 | Scientific Grants

Industry Grants

Duval D (2014-15) Understanding Threatened Plant Propagation & Collections. Natural Resources SAMDB and AMLR (\$13 000).

Duval D, Guerin J, Thorpe M (2013-15) Coorong Lower Lakes and Murray Mouth Branch: Seed Germination Research for rehabilitation (\$120 000).

Guerin J (2013-15) Hillgrove Resources Ltd: Kanmantoo Restoration Technology Project (\$120 000).

Competitive Grants

Barker WR (2014-15). Capacity-Building Grant under Australian Biological Resources Study National Taxonomy Research Grant Program: Taxonomic studies in Australian plant families traditionally placed under Scrophulariaceae s. lat. I. A revision of Phrymaceae (\$5500).

Conran JG, with Bruhl JJ, Prychid CJ, Smith SY, Collinson ME (2014). Australian Synchrotron: Synchrotron analysis of plant fossils calibrates molecular phylogeny of monocot mapaniid sedges. (\$60 000, \$60 000).

Conran JG, with Bruhl JJ, Prychid CJ, Smith SY, Collinson ME (2014). UNE University Research Seed Grant: Synchrotron analysis of fossils calibrates molecular phylogeny of mapaniid sedges (\$19 145, \$18 510).

Conran JG, with Lee DE, Mildenhall DC, Lindqvist JK, Crayn DM, Schmidt A (2012-15). Royal Society of New Zealand, Marsden Grant: Life in and beyond Maars: Origination and diversification of Miocene terrestrial ecosystems in New Zealand (NZ\$767 000).

Conran JG, with McInerney FA, Hill RS, Lee DE, Mildenhall D (2013-15). ARC Discovery Grant: The Eocene high latitude Australasian 'tropics' in a changing climate – clarifying the evidence (\$230 000).

Duval D (2013-16) Native Vegetation Council Research Grant. Germination trials of *Choretrum* species in order to propagate plants for reintroduction in restoration projects (\$21 000).

Guerin J, Duval D, Coulter M (2013-16) Native Vegetation Council Research Grant. Propagation of *Ericaceae* species (\$36 000).

Waycott M (2013–15). DEWNR CLLMM research program: The application of genetic analysis for management of natural resources in South Australia (\$91 500).

Waycott M (2013–14). DEWNR Research Partnerships: Seagrasses in South Australia – case study for integrating state-wide systems knowledge (\$40 000).

Waycott M, with Collier C, Korjent Van Dijk (2013-16). Great Barrier Reef Foundation, Climate change resilience of the GBR, developing metrics for seagrasses (\$150 000).

Waycott M, McKenzie L (2014–16). Great Barrier Reef Marine Park Authority – Reef Rescue: Reef Rescue Marine Monitoring Program – inshore seagrass monitoring (\$350 000 pa).

Waycott M, Lowe A, with Austin A, Donnellan SC, Cooper A, and 10 others. ARC LIEF Grant LE130100065. Next generation enhancement of the South Australian regional facility for molecular ecology and evolution. (\$370 000). Partner organisations: The University of Adelaide, Flinders University, University of South Australia, South Australian Museum, Botanic Gardens of South Australia, State Herbarium of South Australia, Australian Wine Research Institute.

Waycott M, Van Dijk KJ (2012–15). Jones Environment Fund: Seagrass evolutionary studies (\$330 000).

Appendix 6 | Research Students

Post doctorate

Dr Catherine Collier, Senior research fellow, James Cook University. Seagrass management and thresholds application. Supervised by Prof Michelle Waycott (2012–2015).

Dr Kor Jent Van Dijk, The University of Adelaide, State Herbarium of South Australia, The University of Virginia, USA. The evolutionary ecology of seagrasses globally. Supervised by Prof Michelle Waycott (2012–2015).

Mr Gareth Belton, The University of Adelaide, Molecular evolution of South Australian and marine plants. Supervised by Prof Michelle Waycott (2014–2015).

Ph.D.

Mr John McDonald, The University of Adelaide, Evolution of biogeography of Australian saltbushes. Supervised by Prof Andrew Lowe, The University of Adelaide and Dr Ed Biffin.

Mr Mathew Christmas, The University of Adelaide, Phylogeography and adaptive evolution of *Dodonaea viscosa*. Supervised by Prof Andrew Lowe, The University of Adelaide and Dr Ed Biffin.

Mr Nick Kalfas, The University of Adelaide. Coevolution of the Albany Pitcher Plant, *Cephalotus follicularis* and the wingless fly, *Badisis ambulans*. Supervised by Dr John Conran and Prof. Michelle Waycott, Dr Kor-jent Van Dijk and Dr Terry Macfarlane (Western Australia Herbarium).

Ms Patricia Fuentes-Cross, The University of Adelaide, Humans as agents of landscape change in Australia: vegetation turn over and domestication. Supervised by Prof Andrew Lowe in conjunction with Dr Maarten Ryder, CSIRO, Dr Mike Gardner and Prof Michelle Waycott.

Mrs Made Ni Gari, University of Adelaide, Systematics of *Patersonia*. Supervised by Dr John Conran and Prof Michelle Waycott, and Dr Terry Macfarlane, Western Australia Herbarium.

Ms Rina Aleman, University of South Australia, Seed biology and germination requirements of *Brachyscome* species in South Australia. Supervised by Drs Manfred Jusaitis and Phil Ainsley in conjunction with Drs Fleur Tiver, Joan Gibbs and Sophie Petit. (Thesis completed and examined, PhD Degree awarded in March 2015).

M.Sc.

Mrs Thais Munoz, The University of Adelaide, Systematics of tuberous *Drosera*. Supervised by Dr John Conran and Prof Michelle Waycott.

Ms Josephine Gerlach, The University of Adelaide, Phylogeography of the Australian alpine conifer *Podocarpus lawrencei*. Supervised by Prof Andrew Lowe, The University of Adelaide and Dr Ed Biffin.

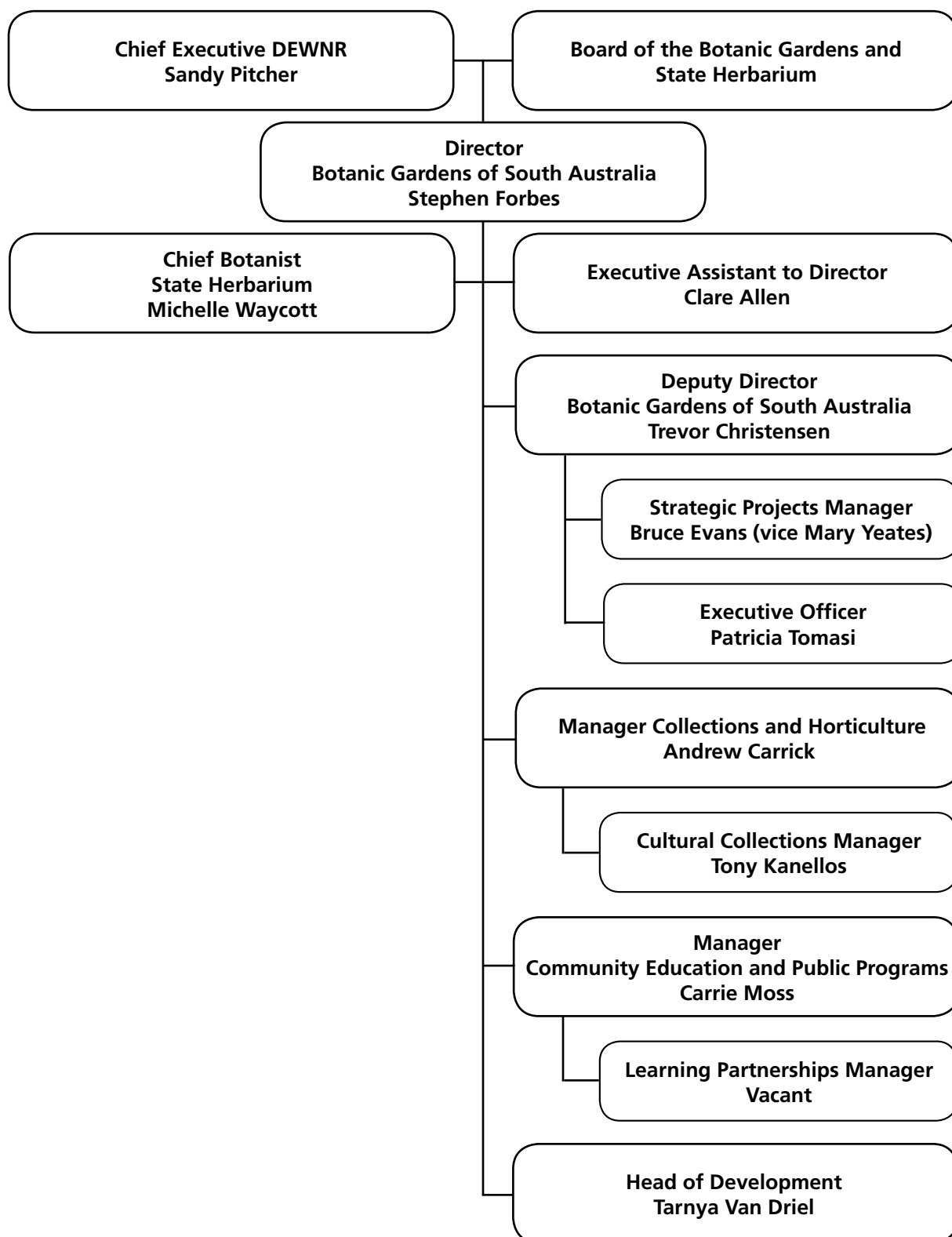
Ms Khadijah Awang, The University of Adelaide, Systematics of *Cassytha*. Supervised by Dr John Conran and Prof Michelle Waycott.

B.Sc. (Hons)

Ms Kat Ticli, University of Adelaide, Population structure and genetic connectivity of the seagrass *Zostera muelleri* across its geographic range with an emphasis on South Australia. Supervised by Prof Michelle Waycott. (Thesis submitted May 2015).

Appendix 7 | Organisation Chart

Board of the Botanic Gardens and State Herbarium | Reporting Structure
as at 30 June 2015



Appendix 8 | Botanic Gardens and State Herbarium Staff List

as at 30 June 2015

Director's Office

Stephen Forbes,
Director, Botanic Gardens and State Herbarium
Clare Allen,
Executive Assistant to Director
Anita Baker,
Personal Assistant to Deputy Director
Helen Bariamis,
Support Services Officer
Pam Bremer,
Operational Support Officer
Andrew Carrick,
Manager, Collections & Horticulture, Adelaide,
Mount Lofty and Wittunga
Tom Chladek,
Communications Coordinator
Trevor Christensen,
Deputy Director
Jake Dean,
Media Communications Coordinator
Nicole Dowling,
Seed Research Assistant
Daniel Duval,
Senior Seed Collection Officer
Bruce Evans,
Strategic Projects Manager
Nicky Fidler,
Collections Policy Officer
Andrew Geracitano,
Seed Bank Curation Officer
Jenny Guerin,
Seed Research Officer
Aaron Harrison,
Kitchen Garden Program Coordinator
Peter Hunt,
Seed Research Assistant
Trevor Jacob,
Museum Attendant
Tony Kanellos,
Manager, Cultural Collections
Stephen Kingdon,
Technical Officer
Adam Lanza fame,
BG Data Base Project Officer
Carrie Moss,
Manager, Community Education and Public
Programs
Nadia Parker,
Events Programme Coordinator

Sheryn Pitman,
Project Officer, Green Infrastructure
John Sandham,
Collections Development Officer
Patricia Tomasi,
Executive Officer
Tarnya Van Driel,
Head of Development
Lorrae West,
Librarian

Adelaide Garden

Paul Arbon, Horticultural Curator
Jordan Behrndt, Gardener
Peter Borgelt, Gardener
Peter Bowron, Handyperson
Darryl Byfield, Gardener
Kris Charlton, Horticultural Supervisor
Andrew Hart, Horticultural Curator
Stephen Havriluk, Senior Maintenance Officer
Stephen Higgins, Senior Gardener
Judy Inkster, Horticultural Trainee
Peter Kannemann, Assistant Gardener
Stuart Maitland, Senior Gardener
Nikko Menzel, Gardener
Nick Milton, Gardener
Jordan Mitsos, Horticultural Trainee
Adam Pannell, Traffic Officer
Flavio Perez, Horticultural Trainee
Pip Robinson, Horticultural Curator
Robert Roether, Regional Asset Services Office
Carolyn Sawtell, Horticultural Curator
Cliff Sawtell, Horticultural Supervisor
Karen Smith, Horticultural Curator
Dieter Streich, Horticultural Trainee
Ryan Underhill, Horticultural Trainee
Enzo Vidoni, Maintenance Supervisor
Sharon Wilcox, Gardener
Ross Williams, Maintenance Team Leader
Paul Winter, Gardener

Mount Lofty and Wittunga Gardens

Tony Anderson, Gardener
Stefan Anesbury, Horticultural Trainee
Valdis Balodis, Gardener
Evan Brougham, Gardener
Graeme Burdett, Horticultural Curator
Matt Coulter, Horticultural Curator, Plant Propagation
Cosimo De Paola, Horticultural Trainee
Mark Devlin, Horticultural Curator
Lisa Duffy, Gardener
John Edgar, Gardener
Scott Foubister, Horticultural Curator
Laura Harvey, Horticultural Trainee
Robert Hatcher, Horticultural Supervisor
John Henson, Horticultural Curator
Michael Jeffery, Horticultural Trainee
Hugh Matthews, Gardener
Tina Miljanovic, Horticultural Curator Nursery and Living Collections Support
Mark Oborn, Horticultural Supervisor
Renie Ondo, Gardener
Cameron Peoples, Gardener
David Pepper, Maintenance Team Leader
Samuel Rose, Gardener
Rory Smith, Horticultural Trainee

State Herbarium of South Australia

Michelle Waycott,
Chief Botanist and Head of Herbarium
Peter Canty,
Herbarium Manager
Helen Vonow,
Collections Manager
Robyn Barker,
Honorary Research Associate and Project Officer
Graham Bell,
Senior Botanist
Ed Biffin,
Molecular Botanist
Chris Brodie,
Weeds Botanist
Ainsley Calladine,
Honorary Research Associate and Information Systems Support Officer

Eleanor Crichton,
Senior Systems Analyst
Jürgen Kellermann,
Senior Botanist
Peter Lang,
Senior Botanist
Martin O'Leary,
Technical Officer
Andrea Ramsey,
Technical Officer
Carolyn Ricci,
Technical Officer
Kat Ticli,
Technical Officer
Chelsea Tothill,
Technical Officer
Mark Vergara,
Technical Officer
Lisa Waters,
Technical Support Officer
Susan Leahy,
Administrative Support Officer
Kor-jent van Dijk,
Postdoctoral Researcher

State Herbarium Honorary Research Associates

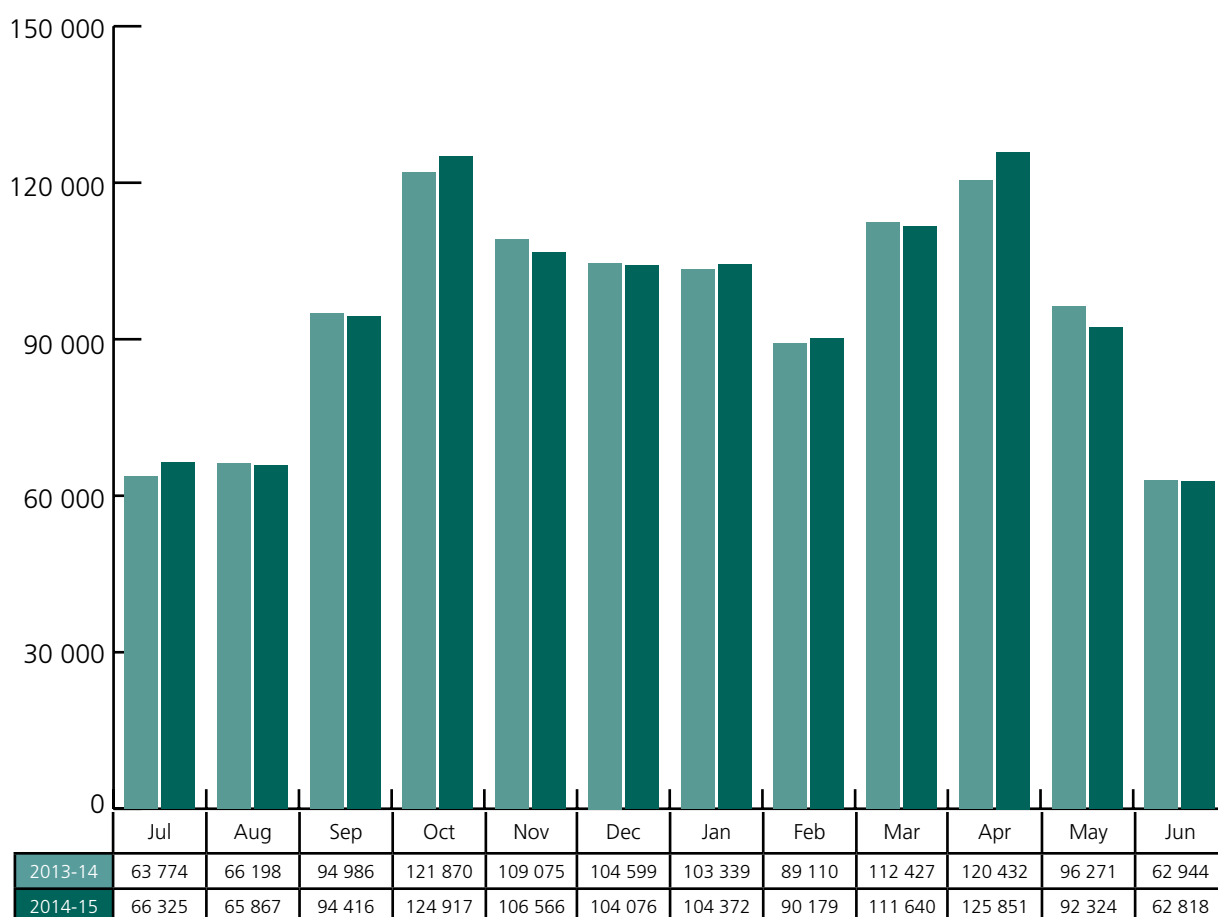
Bob Baldock
Bill Barker
Pam Catcheside
Bob Chinnock
Doug Fotheringham
Fred Gurgel
Laurie Haegi
John Jessop
Hellmut Toelken

State Herbarium Associate Researchers

Dr John Conran,
The University of Adelaide
Dr Molly Whalen,
Flinders University of South Australia

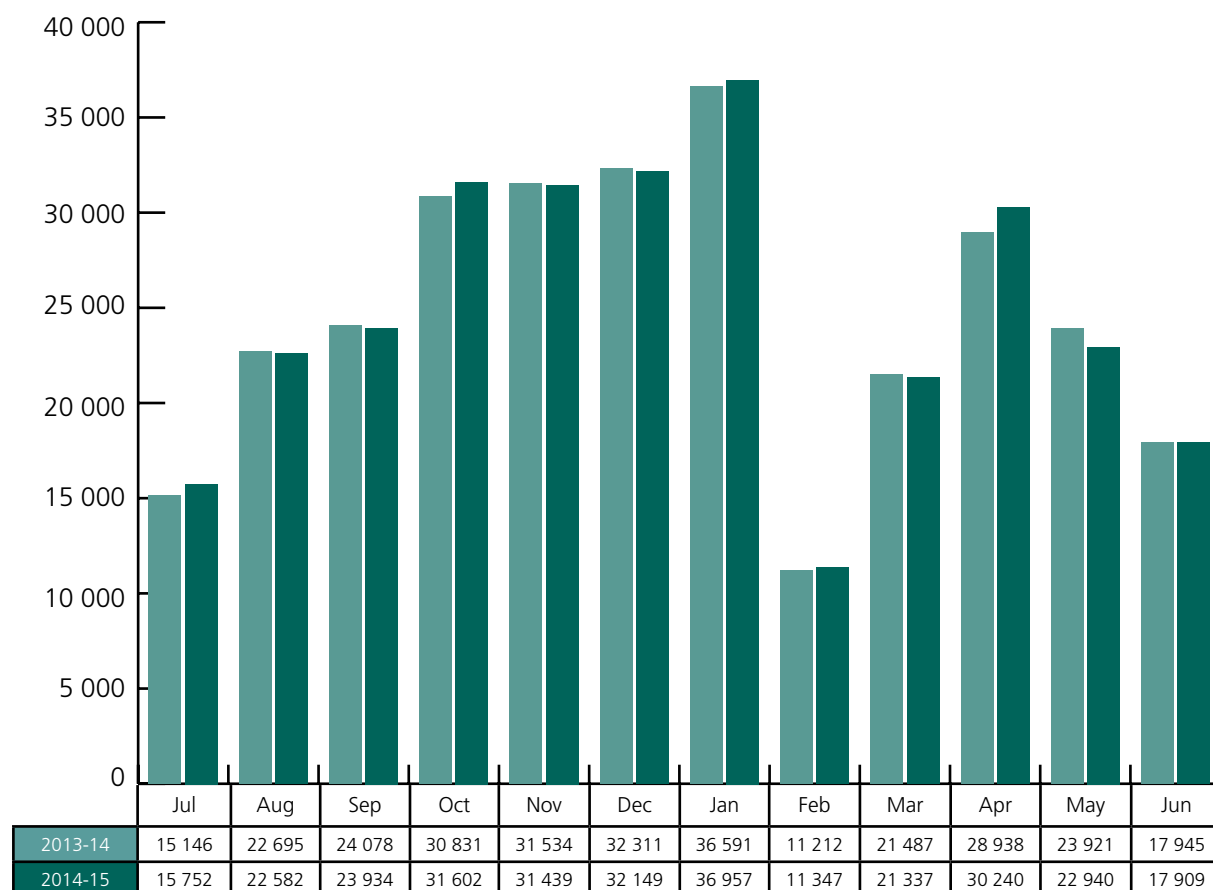
Appendix 9 | Visitor Numbers

Adelaide Botanic Garden - Visitor Numbers



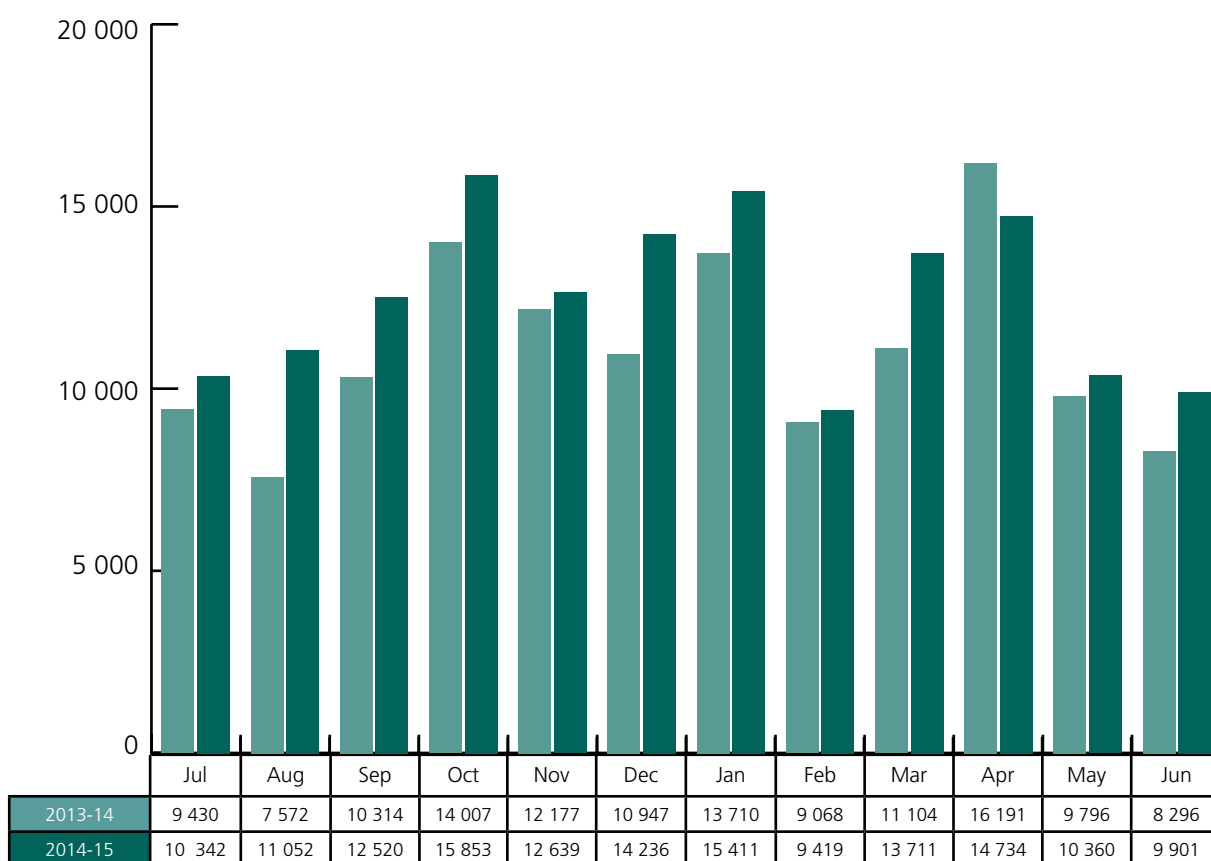
Adelaide Botanic Garden	
1 July 2013 to 30 June 2014	1 145 025
1 July 2014 to 30 June 2015	1 149 352

Botanic Park - Vehicular Attendance



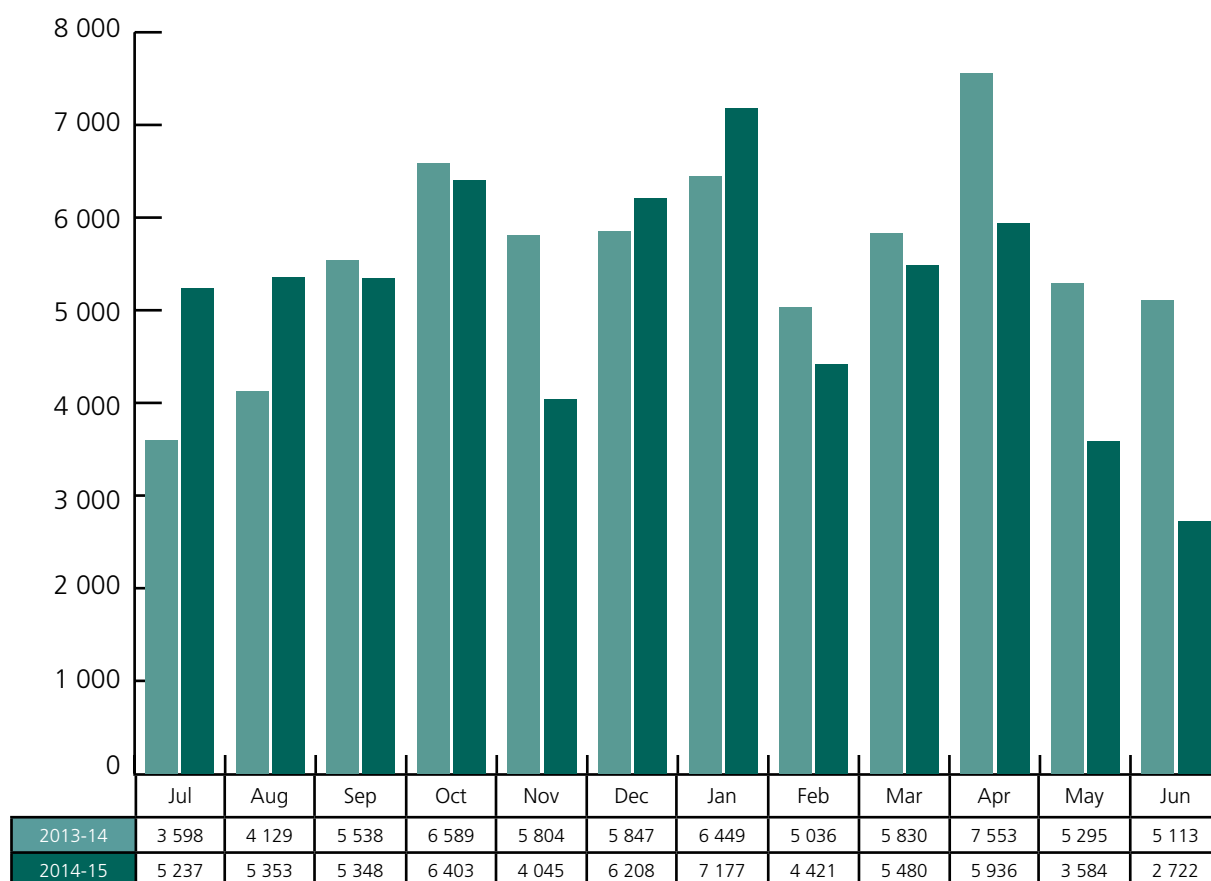
Botanic Park Vehicular Attendance	
1 July 2013 to 30 June 2014	296 689
1 July 2014 to 30 June 2015	298 187

Bicentennial Conservatory – Visitor Numbers



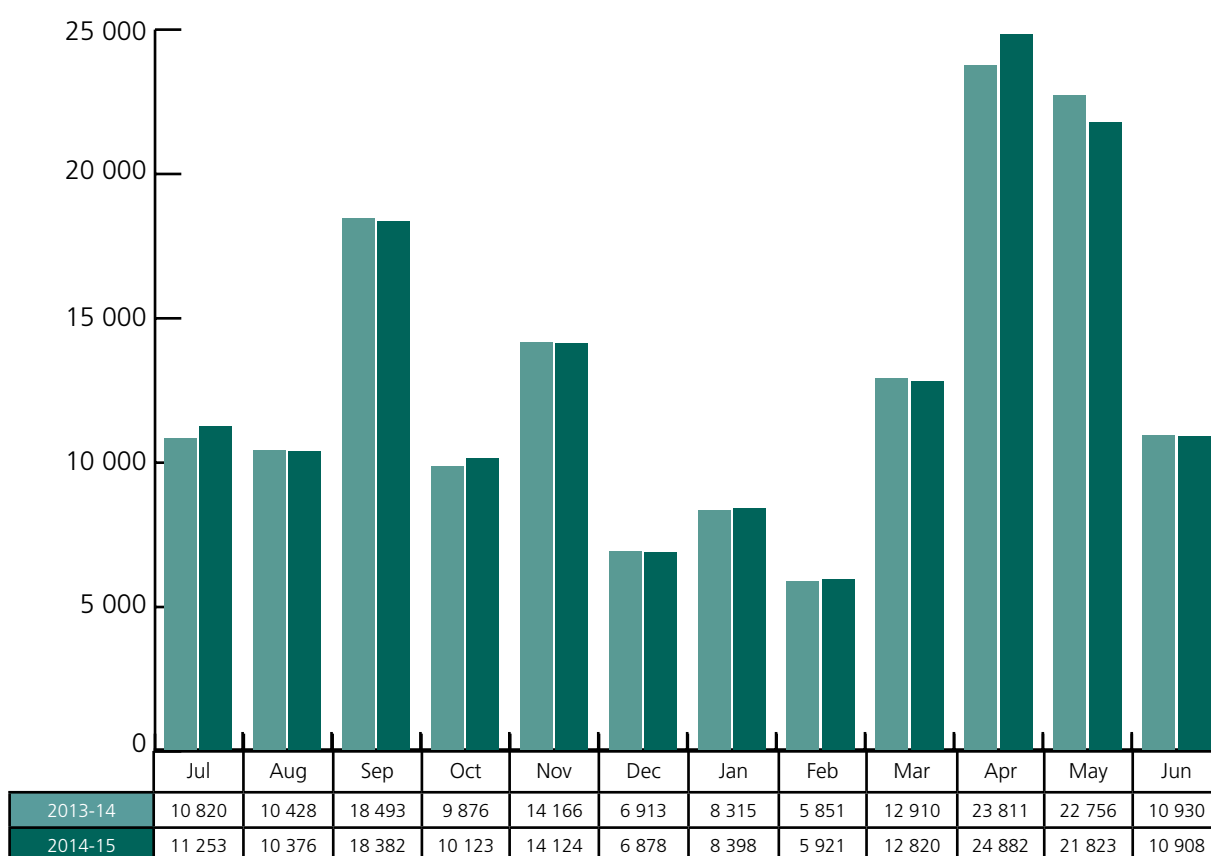
Bicentennial Conservatory – Visitor Numbers	
1 July 2013 to 30 June 2014	132 612
1 July 2014 to 30 June 2015	150 178

Santos Museum of Economic Botany – Visitor Numbers



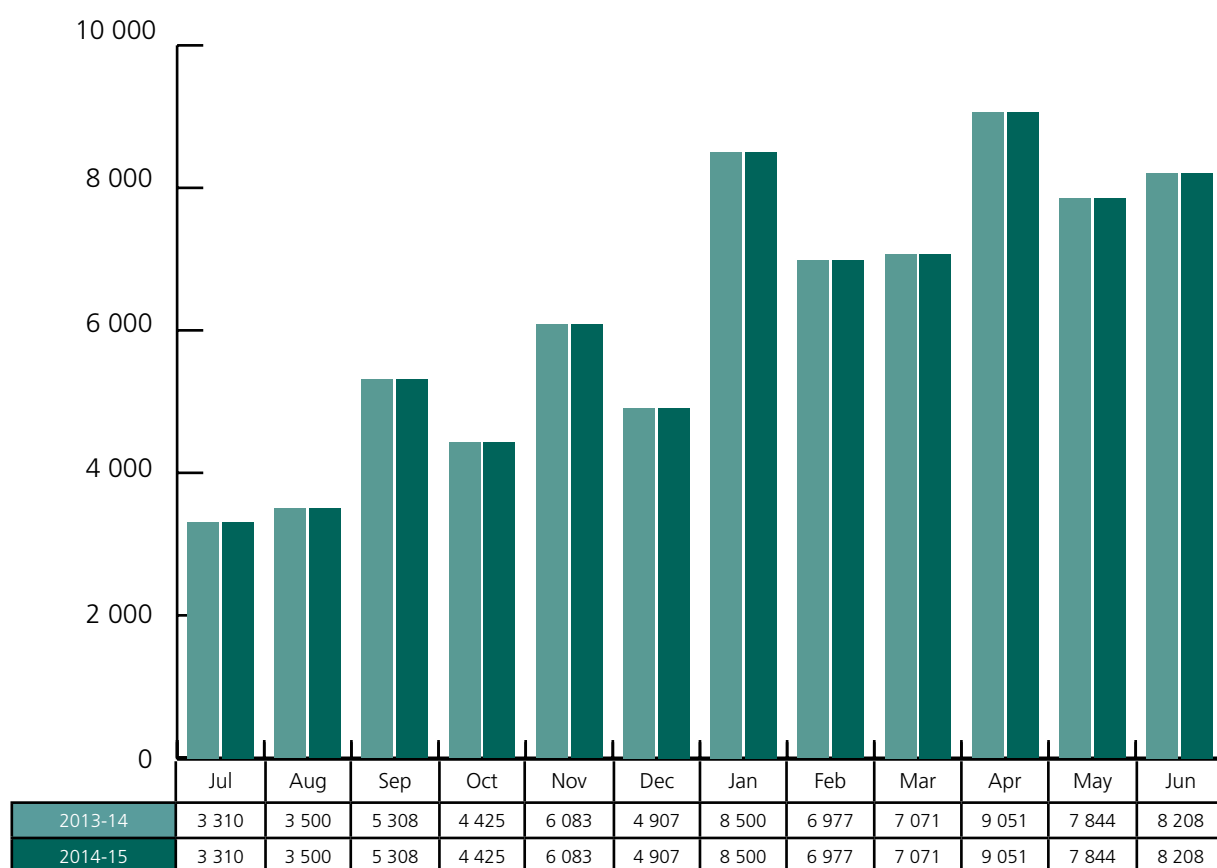
Santos Museum of Economic Botany	
1 July 2013 to 30 June 2014	66 781
1 July 2014 to 30 June 2015	61 914

Mount Lofty Botanic Garden – Visitor Numbers



Mount Lofty Botanic Garden	
1 July 2013 to 30 June 2014	155 269
1 July 2014 to 30 June 2015	155 888

Wittunga Botanic Garden – Visitor Numbers



Wittunga Botanic Garden	
1 July 2013 to 30 June 2014	75 185
1 July 2014 to 30 June 2015	75 185

Visitor counters at Wittunga were not operational in the 2014-15 financial year. Figures are based on 2013-14 visitor numbers.

Appendix 10 | Friends of the Botanic Gardens of Adelaide

Patrons

His Excellency the Honourable Hieu Van Le AO
Governor of South Australia and Mrs Lan Le

Office Bearers

President

Mr Bodo Jensen

Immediate Past President

Mrs Helena Jenkinson

Treasurer

Mrs Anne Bowman

Secretary

Gillian Simons

Current Membership: 900

Objective

To foster interest in the Botanic Gardens of South Australia and to raise funds which may be used for any purpose which has the approval of the Board as being of benefit to the Botanic Gardens.

2014-15 Program

July 2014

- Mt Lofty Botanic Garden Plant Sale
- Planet Ark Tree Day Walks with Garden Guides
- DVD – Around the World in 80 gardens Mexican/Cuba Gardens with morning tea
- Gazette Mail-out

August 2014

- General Meeting
- Mt Lofty Botanic Garden Plant Sale
- Insect Illustration 2 day workshop with Jenny Thurmer, Illustrator for SA Museum

September 2014

- Newsletter mail-out
- Twilight Talk
- Growing Group Plant Sale MLBG
- Newsletter mail-out
- Twilight Talk
- Growing Group Plant Sale MLBG

October 2014

- ABC Gardeners Market FBGA Stall
- Spring Bus Tour
- Mt Lofty Botanic Garden – Plant Sale
- Gazette mail-out

November 2014

- Annual General Meeting
- DVD with Morning Tea
- Volunteers Morning Tea
- Growing Group Plant Sale MLBG

December 2014

- FBGA Newsletter mailout
- Christmas Lunch
- Christmas Display North Lodge

January 2015

- Gazette mail-out

February 2015

- General Meeting

March 2015

- FBGA Newsletter Mail-out
- FBGA Stall at ABC Gardeners Market
- Plant Sale Mt Lofty Botanic Garden
- FBGA Gazette Mailout

April 2015

- Twilight Talk – John Zwar – recent trip to New Zealand Botanic Gardens
- Government House Open Day Walks
- Plant Sale MLBG
- Tasting Australia Walks by Guides

May 2015

- FBGA GM in Noel Lothian Hall
- Plant Sale MLBG
- History Month – Walks in the 3 Gardens
- Guided Tour of West Tce Cemetery
- History Month Exhibition in North Lodge
- FBGA Newsletter mailout

June 2014

- Photographic Exhibition in North Lodge
- Garden Guides participation in World Environment Day
- Adelaide Showground Archive Tour & Lunch
- Garden Guides Spice Trail guided walk in Adelaide Botanic Garden
- FBGA Gazette mailout
- Plant Sale MLBG

Speakers - General Meetings

August 2014

Dean Nicolle, Consultant Arborist, Botanist and Ecologist.

November 2014

Chris Daniels, Professor of Urban Ecology in the Division of Information Technology, Engineering and Environment at the University of South Australia.

February 2015

Flavio Perez, Horticultural Trainee, Botanic Gardens of South Australia

Matt Coulter, Horticultural Curator, Plant Propagation, Botanic Gardens of South Australia.

May 2015

Dr Olga Gostin, Menticulture: a key to understand Aboriginal cultures.

Speakers - Twilight Talks

September 2014

Guest speaker: Neville Bonney – renowned author and expert on native plants and biodiversity plantings

March 2014

John Zwar – New Zealand Botanic Gardens.

Support provided to Botanic Gardens and State Herbarium

Financial

Gwen Thomas Bursary, Horticultural Staff Award	\$4 000
Donation to Adelaide Botanic Gardens Foundation for Ridley Stripper	\$10 000
Donation to The Library	\$5 000
Digitising historical & cultural items to Library database	\$7 221
Sponsorship of Botanic Gardens of South Australia Multimedia Trainee	\$20 785
Chris Steele Scott OAM Visitor Pavilion at Mount Lofty Botanic Garden	\$25 000
Debbie Boyd - digitising slides	\$1 012
Wittunga Banner	\$650
Total	\$73 668

Volunteering

Bus Tours of Mount Lofty Botanic Garden

Advertising & Distribution of Botanic Gardens of South Australia Publications

Monthly Self-Guided Walk Trails at Adelaide, Mount Lofty and Wittunga Botanic Gardens

World Environment Day

Botanic Gardens of South Australia City Crop Project

Total Volunteer Hours provide by the Friends: 23 455

Friends of the Botanic Gardens of Adelaide Sub-committees

The Botanic Art Group – 2014-15 Summary of Activities

2 day workshop, – Insect illustration

Date: Sat 16 and Sun 17 August 2014

Time: 10am - 4pm

Tutor: Jenny Thurmer, Illustrator for SA Museum

Number of students: 14

*2 day workshop – Large format monochrome
botanical with colour focal point*

Date: Sat 18 and Sun 19 October 2014

Time: 10am – 4pm.

Tutor: Veronica Oborn

Number of students: 9

2 day workshop – ‘Study in Monochrome’

Tutor: Arnolda Beynon

Number of students: 14

The Art Botanical Group still meets weekly except during the WOMADelaide Weekend and Easter Weekend.

The Botanical Art Group commenced 1st February 2014 - last day 13 December 2014 for Christmas holidays.

There has been an average of 17 members each week, but not always the same people.

Craft Group

Members, under convenor Lesley Freeman, meet each month at North Lodge. Handcrafted goods are for sale at the Plant Sales and Events as well as used in fundraising.

The Friends of the Botanic Gardens of Adelaide Gazette

The *Friends Gazette* is edited by Dr Ed McAlister and is published seasonally with articles from staff and Friends.

The *Friends Gazette* is a high quality quarterly production which is a great tool to publicise the events and work of the Botanic Gardens as well as the Friends. A team of volunteers organise the distribution to Members, Staff, Media and allied associations in South Australia, interstate and New Zealand.

Cost of producing Gazette:

\$14 500

(excluding postage costs)

The Growing Group

The Growing Group continued propagating plants in the Mount Lofty Botanic Garden Nursery with material collected from the three Gardens. The Growing Group meet at Mount Lofty Botanic Garden on Tuesday and Friday mornings.

Plant sales from the propagated material were held on the fourth Sunday of the month from March through to November. Plants were also sold at the ABC Gardeners Market and at the Australian Plants Society Autumn and Spring Sales. Mount Lofty Botanic Garden plant sales are regularly advertised on the radio and online. The Growing Group also assist in the Nursery with weeding, re-potting and other tasks as required.

Community Outreach

A small group is available to provide speakers to aged-care facilities, service groups, senior citizen clubs etc, to promote the Botanic Gardens of South Australia, the Friends, and providing an educational experience.

Talks in the last financial year included U3A Noarlunga and Flinders, Probus Clubs, APS Gawler, Orchid Society.

Media coverage has been received through ABC radio, Radio Adelaide, 5AA and The Messenger Newspapers.

Northern Suburbs Community Radio PMA FM 89.7, Hills Radio at Mt Barker 88.9 FM.

The Garden Guides

Fiona O'Connor is the Guide Leader.

The Garden Guides 'foster interest in the Gardens' by:

1. Raising community awareness of the scientific, historical and cultural function of the Gardens
2. Educating the public on the importance of plants
3. Encouraging community support for the Gardens

At the beginning of 2014-15 there were 55 members of the Garden Guides.

Monthly trails were distributed in the three Gardens:

- 6296 are used by the public at Adelaide Botanic Garden
- 3000 are used by the public at Mount Lofty Botanic Garden
- 1800 are used by the public at Wittunga Botanic Garden

The trails are also published on the Friends website. Monthly meetings are held for continuing education of the Guides.

Guest Lecturers for the Garden Guides

July 2014

Peter Hunt, Malacological Society of SA.

August 2014

Tony Kanellos took the Guides for a tour of the Botanic Gardens of South Australia Library.

September 2014

Mark Oborn highlighted features and challenges relevant to Wittunga Botanic Garden.

October 2014

Barbara Radcliffe – Some aspects of paper

December 2014

Christmas Lunch

January 2015

Jo Staniforth, Community Kitchen Gardens' Project Officer,
Carrie Moss, Public Programs Manager
Aaron Harrison and Pip Robinson, Adelaide Botanic Garden's Little Sprouts Kitchen Garden staff

February 2015

Flavio Perez, Botanic Gardens of South Australia's Third Year Trainee and winner of Friends' Gwen Thomas Scholarship spoke enthusiastically on Plants of South America especially cacti.

March 2015

Emma Lawson and Meera Verma – The Climate Reality.

April 2015

Bob Baldock gave a 'show and tell' entitled *Beachcombing near Adelaide*.

May 2015

Dan Duval, SA Seed Conservation Centre, Fieldwork in the Great Victoria Desert.

June 2015

Robyn Barker, update on Napoleon's willow. Guide AGM

Guided walks

Free guided walks were held in **Adelaide Botanic Garden** every day except Christmas Day and Good Friday.

In total 345 walks were held with 18 cancelled due to the heat policy.

There were 2222 visitors in total (South Australia 646, interstate 464, overseas 1112), compared to 2070 in 2013-14.

Free guided walks were held in Mount Lofty Botanic Garden every Thursday, with a total of 51 walks for 175 visitors.

Free guided walks were held in Wittunga Botanic Garden every Tuesday. There were a total of 44 walks for 154 visitors.

Booked walks were available for groups of five or more and provided to the following groups -

Adelaide Botanic Garden: U3A, Gardening Clubs, Community Centres, Retirement Groups, Church groups, Travel tours, Heart Foundation, International Students, Probus, Aged Care, Disability Groups, Conference Groups, Soroptimists, Friends of the ABG, Car Clubs, Walking groups, Red Cross new migrants, Carers Groups, mental health groups.

Mount Lofty Botanic Garden: Aged Care, Legacy, U3A, Garden clubs, Probus, Seniors, Community Groups, church groups.

Wittunga Botanic Garden: U3A, Probus, Walking clubs, Community groups, school groups, horticultural trainees.

Booked walks	ABG	MLBG	WBG	Total
Number of walks	83 (67)	9 (4)	16 (6)	108 (77)
Total no. Visitors	1727	270	213	2210
Bus Tours MLBG	-	15	-	-

The Garden Guides held 12 walks for 50 visitors at the Government House Open Day in February 2015.

A talk was given to 20 people on the History of Wittunga to CWA. The Guides also took part in World Environment Day.

Guides also furthered their education through 5th Wednesday excursions:

Total Walks and Visitors 1 May 2014 – 30 April 2015

Multiple guides were provided for these walks.

Total Visitors for MLBG includes Bus Tour visitors. The Bus tours have been very successful.

Guides have continued to research and develop the self-guided walk trails on a monthly basis in all three Botanic Gardens.

Special walks were researched and designed. Walks have been promoted in local press and ABC Radio.

Plant Biodiversity Centre

In the Plant Biodiversity Centre and the State Herbarium Library Friends regularly assisted staff with a diversity of tasks including the preparation of specimens for mounting, plant identification, checking incoming exchange or large loans, upgrading collections, data input and sorting of miscellaneous material. Work is continuing to incorporate hundreds of photographs into the Library Archives.

Tours

The Tours Group, led by Jude Bail has initiated many interesting activities for the Friends this year including illustrated talks, walks in the Garden, local day trips and excursions.

Events included Adelaide Oval Tour, Spring Bus Tour to Hills, Guided Tour of West Tce Cemetery, Adelaide Showgrounds Tour DVD, Gardens of the World with Audrey Hepburn. The group's activities endeavour to engage people with the Garden's activities.

Visitor Information Centre

The Friends manage the Visitor Information Centre. Lesley Hawkins and Bodo Jensen along with a Steering Committee endeavour to make sure there is a Volunteer in the VIC where possible.

Volunteers are able to access a Roster via the Internet program 'Ubiquity'. There are valuable training sessions run by Lesley and Bodo with guest speakers.

Friends who volunteer in the Schomburgk Pavilion Visitor Centre provide valuable information for visitors to the Botanic Gardens.

The percentage of Volunteer attendance has risen since the Friends have taken over the VIC.

Visitor Information Centre 2014-15

Month	% time attended	People helped	Shifts occupied
Jul 2014	90.32	611	56/62
Aug 2014	91.94	732	57/62
Sep 2014	72.00	696	45/60
Oct 2014	90.32	1074	56/62
Nov 2014	95.00	1045	57/60
Dec 2014	91.94	926	57/62
Jan 2015	96.77	1106	60/62
Feb 2015	94.64	926	53/56
Mar 2015	93.55	981	58/62
Apr 2015	86.67	782	52/60
May 2015	88.71	578	55/62
Jun 2015	91.67	694	55/60

North Lodge Sub-committee

North Lodge houses the Friends' book collection and Guides' resource material. North Lodge hosted a wide range of exhibitions and workshops for Friends and visitors to Adelaide Botanic Garden.

Community Events

This group coordinates the Friends' attendance at garden shows such as the Stirling Autumn Fair, Hills Garden and Environmental Expo, ABC Gardener's Markets and Herb Day.

Santos Museum of Economic Botany

Several Friends volunteer in the Santos Museum of Economic Botany enabling it to remain open seven days a week during exhibitions.

Hands on Hort

Hands on Hort is a volunteer gardening program at Wittunga Botanic Garden. The eight volunteers who meet every week spend most of their time in the Wittunga House grounds but also facilitate hand-weeding, planting and dead-heading in Wittunga Botanic Garden.

Workshops

The Mahjong Group meets on Mondays in North Lodge.

Two book clubs are hosted in North Lodge, with books supplied by the City Library.

The Sketch Club meets monthly in North Lodge to sketch botanical subjects.

The Craft group and Botanists of Field Naturalist meet monthly.

Volunteers hold quarterly meetings

The Friends aim to have North Lodge open for members and visitors every day.

Other Volunteer Roles by the Friends

The Friends were represented on the Wittunga Botanic Garden Master Plan reference group by President Bodo Jensen. Friends attended the Mount Lofty Botanic Garden Blitz in Spring and Autumn.

The President and representatives of the Friends met regularly with the Minister for Sustainability, Environment and Conservation and his staff to provide updates on Friends' and Botanic Garden activities. The President is also a member of the Adelaide Botanic Gardens Foundation.

Publications and Presentations

- Self-guided walk pamphlets are free for visitors to all three Gardens
- Guided walks brochures revised
- Radio and television presentations promoting Gardens and Friends activities
- Website continually updated with information
- A colour brochure of birds found in Adelaide Botanic Garden republished
- Gazette printed four times per year
- Newsletter printed four times per year
- Calendar and Christmas cards showcasing photos of the Botanic Gardens developed.
- A recipe book was printed using Friends' recipes and line-drawings by the Botanical Art Group

Special Walks 2014-15	ABG	MLBG	WBG	Total
Planet Ark Tree Day July 2014				
No of Walks	1	-	1	2
No of visitors	45	-	20	65
Little Sprouts Kitchen Garden October 2014				
No of Walks	3	-	-	3
No of Visitors	27	-	-	27
Tasting Australia April 2015				
No of Walks	5	-	-	5
No of Visitors	85	-	-	85
History Week May 2015				
No of Walks	6	5	7	18
No of Visitors	82	14	54	150
SALA Month August 2014				
No of Walks	8	-	-	8
No of Visitors	59	-	-	59
Postcards from the Edge of the City March 2015				
No of Walks	5	-	-	-
No of Visitors	13	-	-	-
What's a Weed? July 2014				
No of Walks	4	-	-	4
No of Visitors	49	-	-	49
Total no of Special Walks				
No of Walks	32	5	8	45
No of Visitors	360	14	74	448

Affiliations

Australian Guide Secretariat, Garden Clubs of Australia, Association Management – Not for Profit Sector and the Association of the Friends of the Botanic Gardens of Australia.

The Friends President is a full member of the Adelaide Botanic Gardens Foundation.

Our gratitude is expressed to the Board of the Botanic Gardens and State Herbarium for providing the use of North Lodge, Nursery space in Mount Lofty Botanic Garden, an office, and lecture room facilities in the Goodman Building and Noel Lothian Hall. Without these our volunteer activities would be reduced considerably. The commitment made by the Director of the Botanic Gardens and State Herbarium in attending Friends committee meetings is particularly valuable. It is acknowledged that the money raised and

volunteer hours given by the Friends could not be achieved without the generous support of Botanic Gardens and State Herbarium staff.

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Board of the Botanic Gardens and
State Herbarium

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E-mail: botanicgardens@sa.gov.au
Website: botanicgardens.sa.gov.au



Board of the
Botanic Gardens and
State Herbarium



**Government
of South Australia**

Department of Environment,
Water and Natural Resources