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**Bush  
Rangers**  
Western Australia



# ANNUAL REPORT 2009

**ecoeducation**



Department of  
Environment and Conservation



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## Program Coordinator Message

2009 has been an exciting year for Bush Rangers WA. With the introduction of new manuals, unit leaders and instructors have been inspired to find new ways to work with the Department of Environment and Conservation (DEC) and other partners. Curriculum Council endorsement means cadets who complete all of the modules can be awarded a certificate which is recognised in their Western Australian Certificate of Education (WACE). Former Senior Project Officer (EcoEducation) Liz Moore did an amazing job researching and compiling the manuals and graphic designer Alison Blackwell's design catches the attention of every person who opens a file.

Some of the Bush Rangers WA administrative processes have been revised in 2009 including the reporting. I hope you enjoy the new format of this annual report. The information collected and presented each year will assist in evaluating the new resources and program development.

The revised Bush Rangers WA webpages will be complete and operational in 2010. Unit Leaders and Instructors will be able to collaborate on joint projects and plan camps together using online tools. Usability testing will start in early 2010 to ensure a great experience.

Sadly, this is both my first and last Bush Rangers WA annual report as I am moving to a new role. I have thoroughly enjoyed the opportunity to work with the amazing community of volunteers and hope everyone can continue to sustain their success.

Rich Weatherill



ABOVE Rich Weatherill.



## **Bush Rangers WA and CadetsWA**

**ABOVE** John Septimus Roe cadets at Native Animal Rescue.

Bush Rangers WA is part of the Department of Environment and Conservation's (DEC's) EcoEducation program for primary and secondary schools. Responsibility for administering the program sits primarily within the department's Strategic Development and Corporate Affairs Division, with input from other areas.

Bush Rangers WA is a voluntary nature conservation program for young Western Australians. It is part of a broader Cadets WA program, run by the Department for Communities, which aims to give secondary school-aged youth the opportunity to take part in personal development training. The training provides practical life skills, develops leadership, teamwork and initiative, and fosters qualities of community responsibility and service.

Since its inception in 1998, 10,000 WA young people have taken part in the Bush Rangers WA program experiencing first-hand biodiversity protection and conservation in the natural environment.

To date, Bush Rangers collectively have contributed more than 2,000,000 hours to conservation and community projects.

## Vision

The Bush Rangers WA Program is the State's pre-eminent youth-based nature conservation and community development program.

## Mission

To support young Western Australians to take an active and lead role in the conservation of the natural environment and to understand the mechanisms for its management.

## Objectives

- To provide in youth, through appropriate training and supervision, the basis for an active and lifelong commitment to the conservation of the natural environment.
- To foster a conservation ethic in young Western Australians through their participation in practical conservation and environmental management projects.
- To develop leadership and teamwork skills, and the qualities of self discipline and duty, loyalty and service to the community, school and to the Bush Rangers WA Program.
- To provide young Western Australians with the skills and knowledge that relate to the functions and role of DEC.
- To support and strengthen the links between schools, the community, DEC districts and activities throughout the State.
- To complement existing formal education by encouraging the accreditation and recognition of skills and competencies during training.
- To provide a career pathway for employment in natural resource management, including entry into DEC's graduate development program and traineeships.

**BELOW** Cadets from Clontarf Aboriginal College on camp.



## Major achievements in 2009

A significant milestone for the Bush Rangers WA Program was the introduction of the new manuals and resource packs. Unit Leaders and Instructors took part in workshops across WA to learn ways to adapt the activities to work with their cadets. The manuals and processes were reviewed by the Curriculum Council and cadets can use Bush Rangers WA as an endorsed program, contributing to their Western Australian Certificate of Education.

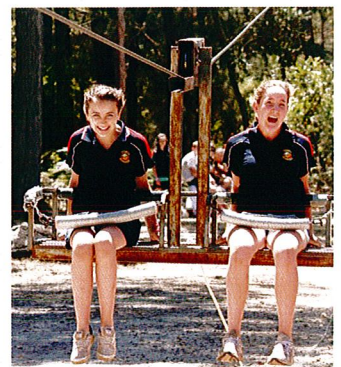
December was a month for celebration when the Albany and Geographe Bush Rangers WA units won the Secondary Schools Section in the Count Us In Awards, presented on the International Day of People with Disability on 3 December. The Count Us In Awards showcased initiatives that strengthen opportunities for people with disabilities to participate in community life and the award recognised the fantastic work being carried out by Albany and Geographe Bush Rangers WA units to enhance the lives of cadets with a disability.

In September 2009 Environment Minister Donna Faragher visited Kalgoorlie where she accompanied Bush Rangers WA cadets from Goldfields Baptist College on a tour of Kalgoorlie Boulder's Native Plant Garden. The cadets are redeveloping the garden in collaboration with DEC and Kalgoorlie Boulder Urban Landcare Group (KBULG).

## Count Us In Nomination

**Albany and Geographe Bush Rangers WA units came together twice in 2009 to carry out activities that help the environment and build confidence in cadets and give them experiences outside the boundaries of their normal lives. The contribution of these schools has resulted in tangible environmental results through the hard work of 32 students who have a physical or mental disability.**

**During a joint camp at Wharncliffe Mill, the cadets worked together on the 'Gatekeeper project', removing litter and foreign weeds. They returned to their communities inspired by these experiences and, by making a tangible environmental difference, they have helped people see them for what they are: positive contributing community members. At Albany Secondary Education Support Centre, where all the cadets have learning difficulties, unit leaders tailor the Bush Rangers WA theoretical content to suit the cadets' needs. At Geographe Education Support Centre Cadets take an active role in supporting each other and providing assistance to less able members of the group.**



**ABOVE** Cadets from Roleystone District High School enjoy a ride.



**ABOVE** Environment Minister Donna Faragher (far left) with members of the Goldfields Baptist College Bush Rangers WA unit.

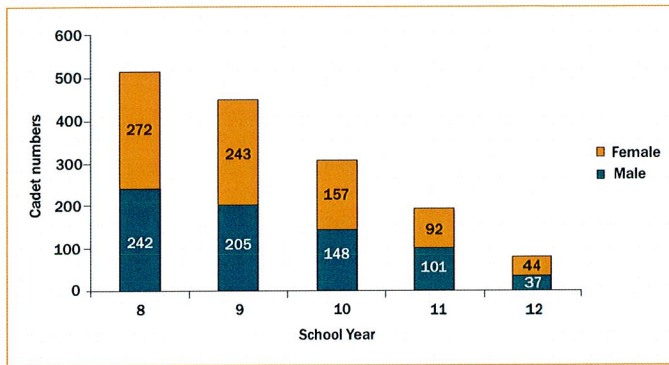
**RIGHT** Midwest Unit Leaders and Instructors with DEC's Rob Thorne (back row far right).



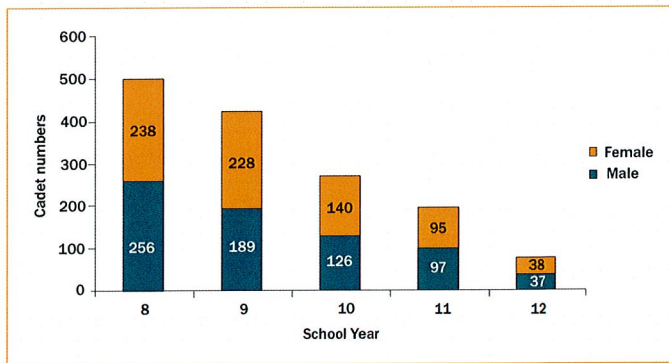
# Participation

## Bush Rangers WA Cadets

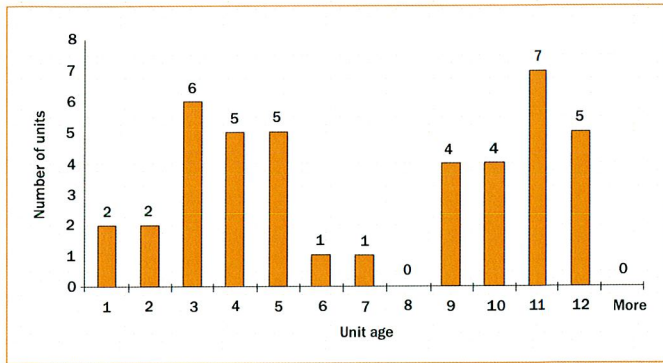
Bush Rangers WA cadets and adult volunteers contributed 270,312 volunteers hours in 2009. Even though the number of active units decreased from 47 to 42 in 2009, the total number of cadets increased. In semester one, 1,542 cadets (47.5 per cent male and 52.5 per cent female) were enrolled and in semester two 1,444 cadets (48.8 per cent male and 51.2 per cent female) were enrolled. Of these cadets, 199 cadets (13 per cent) were reported as Aboriginal which is an increase from 2008.



Cadet numbers 2009 Semester 1



Cadet numbers 2009 Semester 2



Distribution of unit age



ABOVE Onslow Bush Ranger Cadets.





ABOVE Atwell College cadets kayaking.

### **Bush Rangers WA Unit Leaders and Instructors**

In semester one, 172 adult instructors were enrolled while 173 were enrolled in semester two. Of the adult instructors, 10 were ex-Bush Rangers WA cadets and five were from other cadet programs (Emergency Services and Army).

### **Bush Rangers WA Units**

At the start of 2009 five units closed, one was suspended and one unit was transferred to the Emergency Services Cadets Corps. Two new units opened in 2009: one in Mullewa (Term 2) and one in Kununurra (Term 3).



### **Kieran Crudeli, Year 10, Level 1 Cadet, Mullewa District High School**

**“The activities we have completed so far have been really positive experiences. The DEC wildlife officers who visited in Term 2 taught us a lot about endangered species and other local environmental issues. They also brought a live Stimsons python for us to see and touch. Fortunately, it was non-venomous! Tree planting was also a new experience for most of us. We planted 700 trees in around three hours at the Coalseam Conservation Park. We also learnt about tree species and the reasons behind the restoration of local bushland.**

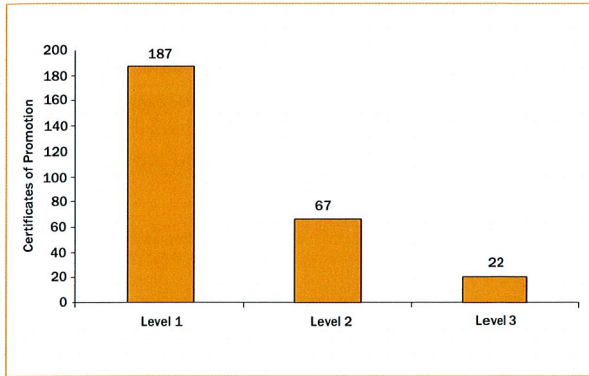
LEFT Mullewa Bush Ranger cadets Luke Young (left) and Kieran Crudeli (right).

# Bush Ranger units in Western Australia, 2009

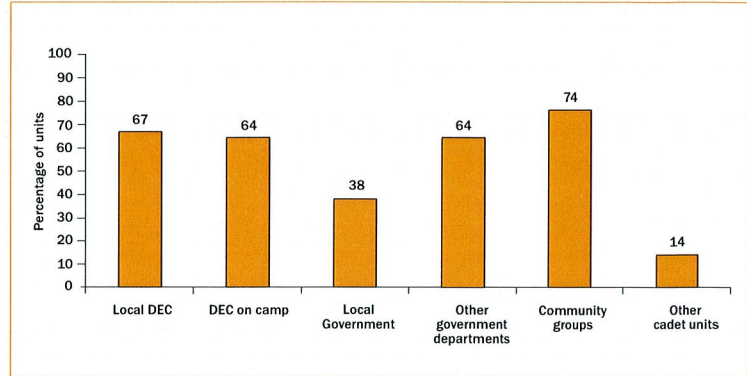


## Certificates of Promotion and WACE

In 2009, 276 Certificates of Promotion were issued to 247 cadets (29 cadets completed two levels). A Certificate of Promotion is issued to a cadet by the Bush Rangers WA Program Coordinator when the requirements of a training level have been met. Thirteen Bush Rangers WA units applied for certificates and 12 of these units had cadets enrolled in Bush Rangers WA as an endorsed program.



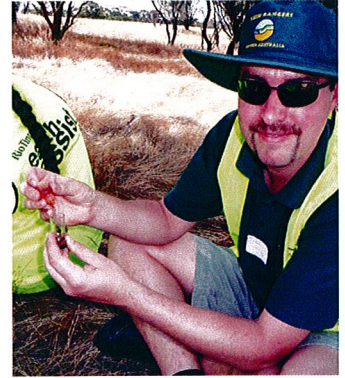
Certificates of Promotion awarded to Bush Rangers WA Cadets in 2009.



Percentage of units working with different partners in 2009.

**BELOW** Kolbe Bush Ranger cadets.





**LEFT** Kalbarri District High School cadet feeding a dolphin at Monkey Mia.

**ABOVE** Katanning Senior High School Unit Leader Damon Jeffery.

### Capacity building

The skills and abilities of the volunteer adult Instructors contribute to providing exciting conservation opportunities for Bush Rangers WA cadets. This section reports on the key activities delivered by DEC to develop Instructor skills and individual achievements.

## Instructors and Unit Leaders

### Bush Rangers WA Annual Conference

The annual conference for volunteer Unit Leaders and Instructors was held at Wollaston College Conference Centre in Mount Claremont from 15 to 17 March 2009. The theme was 'Thinking, Doing, Connecting'. Forty-seven adult volunteers from 29 units took part in the two-day program.

Suzi Greenway from Perth Zoo launched the conference on Sunday with a night stalk. Hands-on sessions involved learning how to identify plants in a transect with staff from DEC's Threatened Ecological Communities section and snake handling with Vanessa Paget's Bush Wisdom. Unit leaders shared their experiences developing projects and planning camps and enjoyed presentations from Leanne Meldrum on endorsed programs and Geoff Hurren who delivered a Cadets WA update. The program concluded with an excursion to Marapana Wildlife Park.

Thirty-four conference delegates (72 per cent) took part in the evaluation survey of whom 97 per cent agreed that the program content was relevant and 76 per cent supported the current format of the two-day event.

## Instructors' feedback on the conference

"Good chance to link up with other schools and share camp ideas and community service."

"This has been a great, well-organized conference. People who attended have a passion and love for what they are doing."

"Was good to have a mix of informational sessions and hands on interactive sessions."



**ABOVE** Troy Hayter from Clontarf and Wendy Corrick from Rossmoyne.

**ABOVE RIGHT** Liz Moore and John Septimus Roe Unit Leader Carleen Edwards.

**RIGHT** Instructors and unit Leaders get familiar with a python.



## New manuals workshops

The Bush Rangers WA program's manuals received a major overhaul in 2008 and 2009 DEC and provide volunteer Unit Leaders with a range of activities and information they can use with their cadets in a fresh new format. Former DEC Senior Project Officer (EcoEducation) Liz Moore led the development of this project and worked across the agency to provide Bush Rangers WA with the latest ideas in environmental management. She then joined Bush Rangers WA Program Coordinator Rich Weatherill to introduce the resources to Unit Leaders and Instructors through a series of workshops in regional DEC offices and at environmental centres in Perth.

Rich and Liz facilitated 11 workshops (seven regional and four metropolitan) reaching 57 adult Instructors from 34 Bush Rangers WA units. Unfortunately, one workshop was cancelled but units that missed out will have the opportunity to take part in 2010. Four regional DEC staff (from Kununurra, Geraldton, Narrogin and Kalgoorlie) also took part in the workshops to build on their understanding on the program and support and strengthen the links between schools, the community and DEC districts.

The workshops provided the Unit Leaders with the opportunity to network with each other, as well as with DEC and environmental organisations, resulting in the development of new partnerships. Activities from the manuals were modelled on the volunteer instructors to demonstrate the flexibility of the program and participants were invited to propose future strategies.

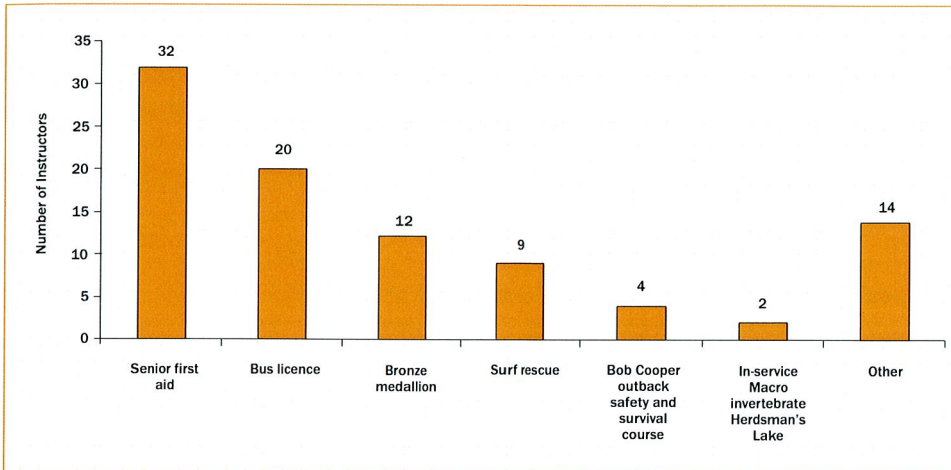
**“We’ve been out to Point Peron twice and will be going a further three times next term. Thank you for this as the students who attended regardless of the downpour found it very worthwhile and beneficial because they were doing something ‘local’.”  
Darren Russell, Warnbro Community College after Adopting a Patch with Friends of Point Peron**



**LEFT** Leaders and Instructors at a workshop at Herdsman Lake.

## Independent Instructor development

Adult volunteer Instructors take part in extra training to develop skills to meet the needs of individual Bush Rangers WA units. For the first time, units were invited to report on the skills developed during the year. Including the annual conference and new manuals workshops, 40 units (95 per cent) reported on Instructors developing new skills through participating in Bush Rangers WA.



Instructor skills development graph.



ABOVE Carmel Cadets fundraising.

## Instructors Awards for Excellence

The Instructors Awards for Excellence is an opportunity to acknowledge the time and effort Unit Leaders and Instructors contribute to the Bush Rangers WA program. Winners are nominated by other Instructors or school principals. A thank you dinner for the three winners was held on Saturday 12 December 2009 and was attended by DEC's Director of Strategic Development and Corporate Affairs Ron Kawalilak.

### John Coman, Goldfields Baptist College

**John shows that he is committed and clearly has a passion. For quite a few months he was receiving treatment for an illness but, despite this, he did not drop his duty as leader and remained dedicated to the unit. He has great experience and continues to show willingness and enthusiasm to share this with the cadets.**

**For two-and-a-half years he went out of his way to find extra funding which has expanded the opportunities provided for Bush Rangers WA cadets.**

**Since taking over the role as lead, John has increase the size of the unit from four to 50. At this point there is a waiting list of students.**

**John's commitment to the program has extended beyond Kalgoorlie to build relationships with units across WA.**

## Richard Howard, Northam Senior High School

Richard has taken advantage of every opportunity provided by DEC, including the EcoEducation Exmouth trip in 2008 and Vanessa Paget's Bush Wisdom at the Bush Rangers WA conference, and turned them into inspiring experiences for the Northam Cadets.

The diverse range of experiences can be attributed to Richard's leadership and organisation.

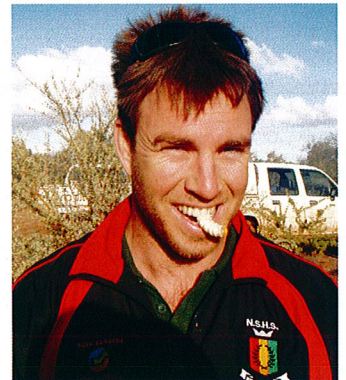
## Andrew Vallance, Northam Bush Rangers

Andrew has committed a lot of time during the past four years to the Northam Bush Rangers unit.

Every Tuesday during school he gives up two hours of his own time to assist in the running of activities. On top of this, he often gives up time out of his holiday period to attend camps.

Andrew is a trained horticulturalist; his knowledge on native flora has been invaluable in the education of the cadets. He also has a natural passion for the outdoors and the rehabilitation of environmentally damaged areas

Andrew has provided a safe, supportive environment for some underprivileged students in the Northam region.



**ABOVE** Northam Senior High School Unit Leader Richard Howard enjoys some bush tucker.

**BELOW LEFT (L-R)** Rich Weatherill and DEC's Ron Kawalilak, John Coman, from Goldfields Baptist College, Andrew Vallance from Northam Bush Rangers and DEC's Elaine Horne.





## Reward experiences

Reward experiences provide Bush Rangers WA cadets with unique opportunities to work with DEC staff in the field and develop skills and knowledge.

## Research at Perup Nature Reserve

Four Bush Rangers WA cadets and one Instructor from Emmanuel Catholic College took part in this two-day reward experience in March 2009.

Based at Perup Nature Reserve, east of Manjimup, the cadets worked with technical officers from DEC's Science Division to learn about monitoring wildlife through fauna trapping, spotlight surveys and mapping vegetation.

**BELOW** Cadets from Emmanuel Catholic College at Perup.





### **Expedition to Shark Bay World Heritage Area**

Twenty-four Bush Rangers WA cadets and six Instructors from Duncraig Senior High School participated in this week-long reward experience in April 2009.

This reward experience gave cadets an insight into rare native animal breeding programs at *Project Eden* and exposure to the daily work projects and maintenance of Francois Peron National Park.

**ABOVE LEFT** Cadets from Emmanuel Catholic College learn from DEC's Graeme Liddelow.

**BELOW** Duncraig Senior High School cadets with DEC's Roger Whitelaw.





**RIGHT** Duncraig Senior High School cadet Danielle Paxman.

### **Danielle Paxman, Duncraig Senior High School**

**“Denham is a small town in the magnificent World Heritage Area of Shark Bay. Just 76 kilometres from the town is a homestead where we stayed for a week and worked with the park rangers. Over five days, three groups worked at Monkey Mia with the dolphins. These determined cadets also helped native animals by coiling barbed wire and pulling stakes out of the ground to stop animals from hurting themselves. Another group did some wood-collecting and brushing at Bottle Bay and around the homestead and spread the wood along trails to discourage visitors from walking off the paths. On day four, two cadets helped rangers with a trapping project for monitoring native mice and, more importantly, rare quenda populations. The rangers have released the quendas at the national park to try and repopulate the area. The cadets found seven quendas, almost quadruple the previous months’ record of two per day. Needless to say, the ranger, cadets and Instructor were quite excited. Parents of the cadets were kept up-to-date by a Google group set up by a cadet Instructor and a daily newspaper called *Shark Attack* was also created to highlight the achievements and anecdotal moments of the adventure.**

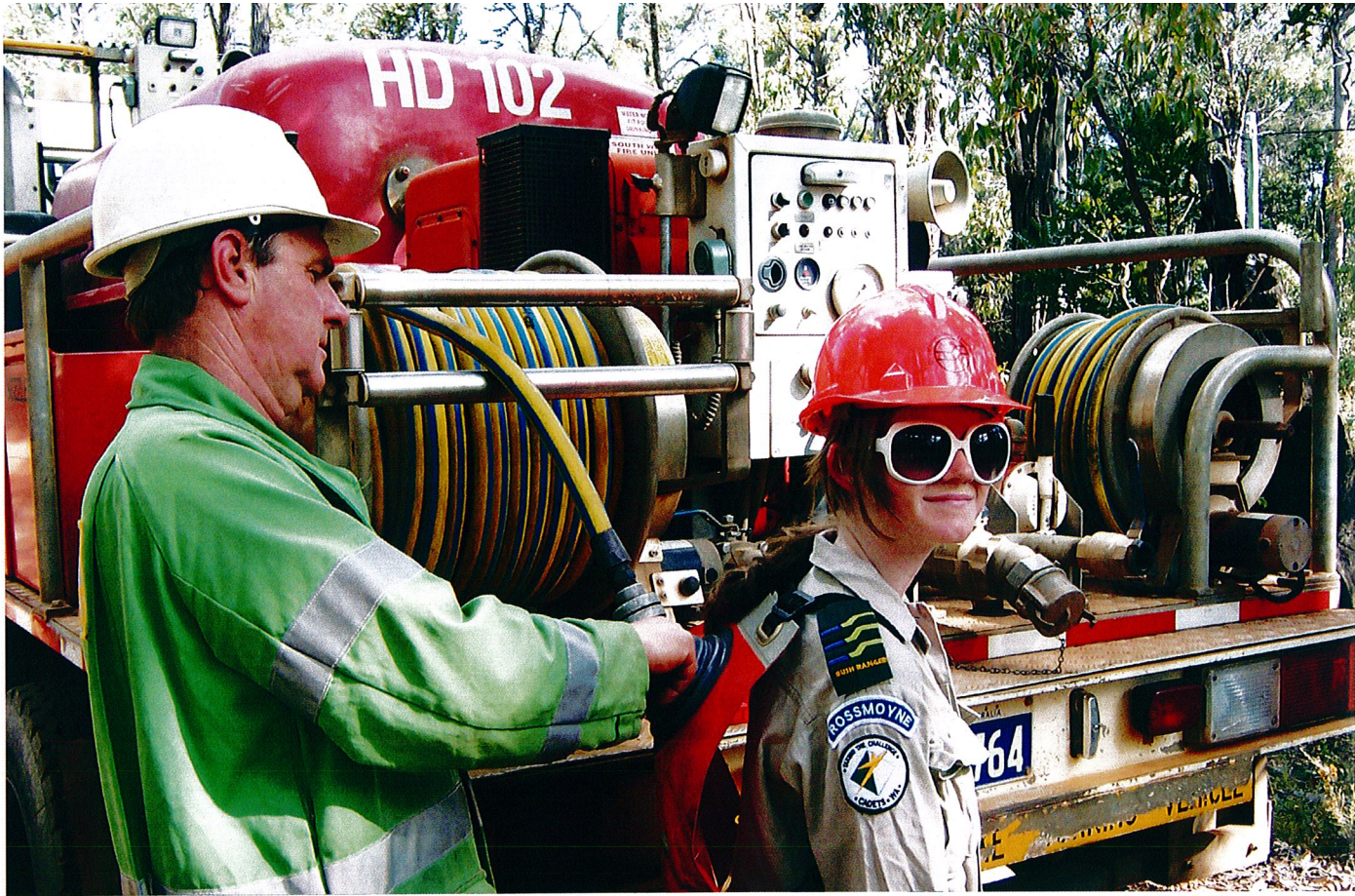
**Two-minute showers, red dust, makeshift freezers and fridges, hot mineral spa baths, meeting wonderful rangers and creating lasting friendships are our memories from the trip.**

**Thank you to Ranger Roger Whitelaw and his colleagues.”**

### **Basic wildfire awareness**

Five Bush Rangers WA cadets from Mundaring Christian College, four cadets and one Instructor from Rossmoyne Senior High School and Bush Rangers WA Program Coordinator Rich Weatherill took part in the Basic Wildfire Awareness reward experience in November 2009.

The nationally accredited Basic Wildfire Awareness course conducted by DEC’s Fire Management Services Branch includes planning and conducting a prescribed burn in a DEC-managed reserve at Dwellingup. Other activities include health and fitness for the front fire line, meal planning, stress-management techniques and a theory test. The annual burning contributes to protecting the Forest Heritage Centre and the town of Dwellingup.



**ABOVE** DEC's Pat Foley refills the pack spray for a Rossmoyne Senior High School cadet.



**LEFT** Mundaring Christian College cadet starting the prescribed burn.

**BELOW LEFT** Rossmoyne Senior High School cadet with DEC's Alex Moylett.



## Communicating about Bush Rangers WA

The links between DEC, schools and communities are strengthened through communication activities. This section reports on unit communication activities and special events.

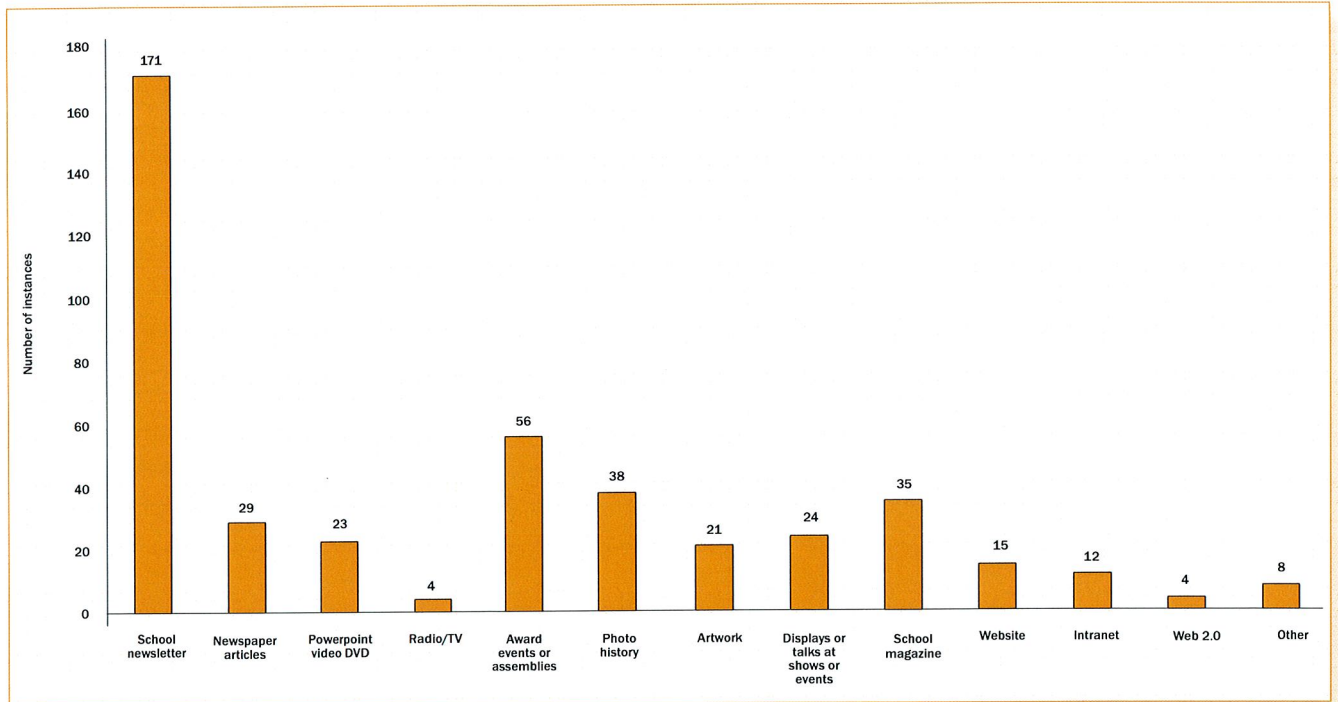


**RIGHT** Waroona cadets on camp.  
**BELOW** Northam cadets in Exmouth.



## Unit communication activities

School newsletters and assemblies were the most popular media used by Bush Rangers WA units to communicate with their school and community.



BELOW Carmel Adventist College cadets kayaking.



## DEC publications

The Bush Rangers WA program featured in two *DECmatters* stories (DEC's internal news bulletin) and one *Environment and Conservation News* story (DEC's fortnightly eNewsletter).

## Science Awareness Festival – Albany, 4 and 5 June 2009

Bush Rangers WA Program Coordinator Rich Weatherill and two staff from DEC's Science Division in Albany took part in the Scitech Science Awareness Festival in June 2009, which attracted 957 students and 30 teachers. A public session was also held on Thursday evening with 191 children and 159 adults visiting.

Held in a regional community each year, the Science Awareness Festival aims to interest more people in science careers. Each festival includes a careers expo, guest speakers, free public lectures and professional learning for teachers.

## Perth Royal Show, 26 September – 3 October 2009

A total of 140 cadets and 20 volunteer adult leaders from eight Bush Rangers WA Units (John Septimus Roe Anglican, Rossmoyne Senior High School, Mount Lawley Senior High School, Atwell College, Emmanuel Catholic College, Mundaring Christian College, John Forrest Senior High School) gave their time to sharing the conservation message at the 2009 Perth Royal Show.

The site included exhibits and activities from a range of organisations and had 9,265 visitors during the week. Three Bush Rangers WA units took part in animal handling training at Marapana Wildlife Park before the event so they could share their knowledge with visitors.

Other Bush Rangers WA Cadet activities at the Perth Royal Show included:

- site maintenance and watering plants
- counting visitors
- communicating about their unit activities and camps
- demonstrating an interactive water catchment activity
- making macro invertebrates out of recycled material.

The Bush Rangers WA activities for the Perth Royal Show were developed in partnership with Ribbons of Blue, SERCUL and Marapana Wildlife Park.



LEFT Mt Lawley Senior High School cadets explain catchments at the Perth Royal Show.



### For more information

If you are interested in volunteering with a Bush Rangers WA unit or have a project that cadets can help with please contact:

Program Coordinator, Bush Rangers WA  
Department of Environment and  
Conservation  
Locked Bag 29  
Bentley Delivery Centre, WA 6983  
Phone: (08) 9334 0137  
Web: [www.dec.wa.gov.au](http://www.dec.wa.gov.au)

**ABOVE** Emmanuel Catholic College cadets prepare for work.

**LEFT** Mundaring Christian College cadet on the Fire Reward camps.



# Appendix 1

## Volunteer hours

Unit	Weekly meetings	Camps	Preparation	Total
Albany Secondary Education Support Centre	770	2,288	88	3,146
Atwell College	2,700	4,320	100	7,120
Bunbury Cathedral Grammar School	273	500	27	800
Canning Vale College	60	128	10	198
Carmel Adventist College	828	616	91	1,535
Clarkson Community High School	3,192	2,592	185	5,969
Clontarf Aboriginal College	1,280	2,560	24	3,864
Coodanup C C	1,856	2,320	39	4,215
Corrigin District High School	1,520	2,880	176	3,208
Darkan District High School	252	512	176	940
Duncraig Senior High School	4,316	16,038	860	21,214
Ellenbrook Christian College	1,200	4,480	200	5,880
Emmanuel Catholic College	3,354	7,568	228	11,150
Esperance Senior High School	2,765	8,496	114	11,375
Geographe Education Support Centre	2,100	8,200	240	10,340
Goldfields Baptist College	1,850	3,504	185	5,539
Jerramungup District High School	2,400	820	90	3,310
John Forrest Senior High School	1,750	1,440	120	2,408
John Septimus Roe Anglican Community School	3,000	12,544	236	15,780
Kalbarri District High School	924	1,386	88	2,398
Katanning Senior High School	420	288	40	748
Kolbe Catholic College	4,000	6,000	240	10,240
Kununurra District High School	50	103	70	223
Leonora District High School	1,368	1,216	120	2,704
Manjimup Senior High School	1,450	1,400	372	3,222
Meekatharra District High School	4,160	5,824	176	10,160
Mercy College	1,440	3,808	83	5,331
Merredin Senior High School	700*	960*	53*	1,713*
Mount Lawley Senior High School	2,349.5	9,832	128.5	13,127
Mount Magnet District High School	1,680	850	100	2,630
Mundaring Christian College	9,800	7,680	275	17,755
Mullewa District High School	338	480	70	888
Newton Moore Senior High School	3,150	1,800	2,580	7,530
Northam Senior High School	2,730	10,200	1,590	14,520
Onslow School	240	120	40	460
Roleystone District High School	2,220	3,330	180	5,730
Rossmoyne Senior High School	5,240	4,340	126	9,706
Thornlie Christian College	2,240	4,464	258	6,962
Wagin District High School	880	59	44	983
Warnbro Community High School	3,430	6,272	129	9,831
Waroona District High School	128	640	192	960
Wongutha CAPS	10,800	13,200	500	24,500
<b>TOTAL</b>	<b>95,203.5</b>	<b>166,058</b>	<b>10,643.5</b>	<b>270,312</b>

\*Estimated based on minimum attendance.

## Appendix 2

### Unit activities

Bush Ranger Unit	Activity	Partners
Albany Secondary Education Support Centre	<p>Camp Woodman Point</p> <p>Invasive weed program at Mokare</p> <p>Adopt-a-Spot, Salmon Holes Beach/ Marine Drive boardwalk</p> <p>Camp at Moropoi Station, via Kalgoorlie</p> <p>Tree planting and invasive weed eradication (Healthy Waterways Project)</p> <p>Camp Wharncliffe Mill, Margaret River</p>	<p>Disabled Sports Association Department of Sport and Recreation (Woodman Point) Geographe Education Support Centre</p> <p>City of Albany Bushcare and Reserve Unit</p> <p>Keep Australia Beautiful Council/ DEC Albany Region</p> <p>Goldfields Baptist College, John Coman</p> <p>Department of Water</p> <p>Geographe Education Support Centre/DEC</p>
Atwell College	<p>Pemberton camp</p> <p>Eco Education climate change activity</p> <p>Bickley camp</p> <p>Survival course and snake handling</p> <p>Native ARC Excursion</p> <p>First Aid introductory course</p> <p>Interacting with animals at Perth Royal Show</p> <p>Perth Royal Show Landcare Exhibition</p> <p>Tree planting at Jandakot Regional Park</p> <p>Adopt-a-Spot program: clean-up in Mather Park</p>	<p>Department of Education and Training DEC</p> <p>DEC, EcoEducation</p> <p>Department of Sport and Recreation</p> <p>Bob Cooper Survival Skills</p> <p>Native ARC</p> <p>St John's Ambulance</p> <p>Marapana Wildlife Park</p> <p>DEC</p> <p>DEC</p> <p>City of Cockburn</p>
Bunbury Cathedral Grammar School	<p>Tree planting at Hastie Road</p> <p>Brunswick Junction camp</p> <p>Tree planting at Brunswick River</p> <p>Ribbons of Blue River ecology, Brunswick River</p> <p>Zoo camp</p> <p>Cape to Cape Walk camp</p> <p>Paper recycling</p>	<p>Ribbons of Blue</p> <p>Ribbons of Blue</p> <p>Perth Zoo</p>

Bush Ranger Unit	Activity	Partners
Canning Vale College	<p>Leadership and team-building camp, including facilities maintenance at Paton's campsite, Mundaring</p> <p>Survival trek/camp at Paton's campsite, Mundaring</p> <p>Maintenance and restoration of two blocks of remnant bush on school grounds</p> <p>Native plant identification incursion</p> <p>Bush survival/reptile awareness program</p> <p>Team building/end-of-year camp, Harvey</p>	<p>Hills Forest Discovery Centre</p> <p>Hills Forest Discovery Centre</p> <p>Kelly Berwick</p> <p>Bob Cooper Survival Skills, Vanessa Paget</p> <p>Mornington Adventure Camp</p>
Carmel Adventist College	<p>Improving and extending college community bush trail with new markers, plant tags and shelter/seat</p> <p>Construction of shade house for raising trees for an arboretum and rehabilitation programs on the college property and elsewhere</p> <p>Survival and leadership camp held at Dwellingup with the support of the College Chaplaincy Department</p> <p>All Carmel Bush Rangers WA cadets successfully completed their Senior First Aid qualification</p> <p>Fungi search and ID in college bush – our own operation this year, but hope to have more formal involvement with the WA Herbarium in 2010</p> <p>Roadside collection – continuing commitment to keeping a 2.5-kilometre section of roadside adjoining the college property clear of rubbish</p> <p>Contributing to food hampers for the needy by making jars of strawberry jam</p>	<p>FOTE (Friends of the Environment)</p> <p>Carmel Adventist College Chaplains</p> <p>Medic – One</p> <p>Manna Ministries</p>
Clarkson Community High School	<p>Leadership and esteem-enhancing camp</p> <p>Weeding and mulching</p> <p>Cleaning up roadside on Wanneroo Road</p> <p>School recycling program on-going throughout the year</p> <p>Recycling, making worm farm and vegie planting (four weeks)</p>	<p>Ern Halliday Recreation Camp Hillarys</p> <p>Yanchep National Park</p> <p>Yanchep National Park</p> <p>Clarkson Community High School Campus</p> <p>Merriwa Primary School</p>

Bush Ranger Unit	Activity	Partners
	<p>Recycling, mulching and compost making</p> <p>School garden – growing vegies, composting, worm farming, herb growing and selling products throughout the year</p> <p>Making Carnaby's black cockatoo nesting boxes to be placed in the wheatbelt</p> <p>Clean Up Australia Day</p> <p>Visit of Carnaby's black cockatoos</p> <p>Leadership and esteem enhancing camp and recognition of favourite native plants</p> <p>Murray River canoeing and discussion of the health of Western Australian waterways</p>	<p>Perth City Farm</p> <p>Murdoch University Debbie, Hatch Student</p> <p>Clarkson Community High School</p> <p>Kanyana Wildlife Park</p> <p>Dwellingup Bunkhouses, Dare Corporation</p>
Clontarf Aboriginal College	<p>Planting native trees around Clontarf Aboriginal College</p> <p>Native garden project</p> <p>Cleaning Clontarf Aboriginal College Canning River foreshore</p> <p>Weeding and planting native trees and seedlings around the Canning River and surrounding wetlands</p> <p>Brushing at Natural Bridge and cleaning Chinaman's Beach and Rock</p> <p>Recreational fishing sustainability</p> <p>Camp 1: Overnight camp at Clontarf, conservation along Harvey Estuary in Mandurah, team Building – indoor rock climbing,</p> <p>Camp 2: Overnight camp at Clontarf, conservation activity with SERCUL, team building – canoeing</p> <p>Camp 3: Overnight camp at Clontarf, conservation activity with SERCUL, team building – canoeing and fishing</p> <p>Camp 4: Kalbarri reward camp, conservation activity with Kalbarri National Park Rangers, conservation along Chinaman's Beach and Rock, horse riding, abseiling and fishing</p>	<p>Clontarf Aboriginal College</p> <p>Clontarf Aboriginal College</p> <p>Clontarf Aboriginal College</p> <p>South East Regional Centre for Urban Landcare (SERCUL)</p> <p>Kalbarri National Park</p> <p>Recfishwest</p> <p>Clontarf Aboriginal College The Hangout Indoor Rock Climbing</p> <p>Clontarf Aboriginal College South East Regional Centre for Urban Landcare (SERCUL)</p> <p>Clontarf Aboriginal College South East Regional Centre for Urban Landcare (SERCUL)</p> <p>Big River Ranch – accommodation and horse riding Kalbarri National Park Kalbarri Abseil Kalbarri Tourist Centre</p>

Bush Ranger Unit	Activity	Partners
Coodanup Community College	<p>Quiz</p> <p>Nursery, revegetation, planting seedlings, Marrinup Nursery</p> <p>Possum boxes, planting, wildlife talk, overnight stay, team-building Fairbridge activities</p> <p>Cupcake Day</p> <p>Camp Simon: team building, low ropes course</p> <p>Bush survival, laser tags and snake awareness course</p> <p>Gumnut Christmas activities</p>	<p>Perth Zoo</p> <p>Alcoa</p> <p>Fairbridge House</p> <p>RSPCA</p> <p>Bob Cooper Outback Survival, Vanessa Paget</p> <p>School community</p>
Corrigin District High School	<p>Making phascogale boxes and erecting them in Corrigin Reserve</p> <p>Tree planting at Gorge Rock</p> <p>Collecting lichens</p> <p>School fete: Bush Rangers WA stall ANZAC/Remembrance Day services</p> <p>Visited Observatory at Pingelly</p> <p>Camps:  Mundaring (Perth Hills National Parks Centre) – Kanyana Animal encounter, Aboriginal Cultural experience  Dryandra (Barnia Mia) – tree survey  Margaret River – invertebrates, caving  Bickley Outdoor Recreation Centre – search and rescue, snake- awareness session</p> <p>Bush survival and snake awareness</p> <p>Recognised as a Waterwise school</p> <p>Worm incursion</p>	<p>DEC Narrogin and Natural Resource Management Project Officer, Shire of Corrigin</p> <p>Sandy Turton</p> <p>Past Landcare officer</p> <p>Pingelly Heights Observatory</p> <p>Bob Cooper Survival Skills, Vanessa Paget</p>
Darkan District High School	<p>Phascogale trapping</p> <p>Darkan Heritage Trail</p> <p>Spring bush busy bee</p> <p>Vegetable gardening</p> <p>Bibbulmun Track trek camp</p>	<p>South West Catchments Council</p> <p>Shire of West Arthur</p> <p>Landcare</p> <p>Landcare Australia</p> <p>DEC</p>

Bush Ranger Unit	Activity	Partners
Duncraig Senior High School	<p>Hills Forest Discovery Centre camp</p> <p>Shark Bay camp</p> <p>Leadership camp, Guilderton</p> <p>Grey planting camp</p> <p>Tambellup Tree Project</p> <p>Night stalk camp</p> <p>Moore River camp</p> <p>Ecoponics Project</p>	<p>DEC: Nearer to Nature Programs Officer Berdina Ballast, Programs Coordinator Jill Francis, Nyoongar Guide Leonard Thorn, National Park Ranger Paul Tholen, Activity Guide Mark Bundock, Nature Conservation Officer Bob Huston,</p> <p>National Park Ranger Rebecca Hamilton, National Park Ranger Doug Giles</p> <p>DEC: Denham Ranger Roger Whitelaw, Ecologist Linda Reinhold, Acting District Operations Manager Shannon Vasyli, Reserves Officer Wayne Dekker, Visitors Centre Officer Mary Barrett, Reserves Officer Tanya Houters</p> <p>Curtin University, Peter Sheppard</p> <p>DEC Nambung National Park Ranger Phil Arthur</p> <p>Local farmers Nindethana Seed Men of the Trees</p> <p>Perth Zoo, Suzi Greenway</p> <p>Trout Farm, Gavin Penn</p>
Ellenbrook Christian College	<p>Senior Rangers camp to Rottnest Island: snorkelling, scuba, cycling, orienteering, adventure challenge and community service (beach clean-up)</p> <p>Junior Rangers camp to Guilderton: team work, skills exercises, drill, canoeing</p> <p>Full Unit camp to Kalbarri: abseiling, hiking, canoeing Community service in the national park (path definition)</p> <p>Native Bush Reserve: created 200-cubic-litre artificial pond, 80 metres of gravel pathways, an outdoor amphitheatre and planted more than 50 trees, 400 seedlings, 200 reeds and 20 lilies</p>	<p>Rottnest Island Authority</p> <p>Kalbarri National Park Senior Ranger Mike Paxman</p> <p>Ellenbrook Christian College Building and construction classes Tim Eva Nursery Swan Valley Fish and Lilly Farm</p>
Emmanuel Catholic College	<p>Orientation camp</p> <p>Environmental management camp</p>	<p>Cockburn Wetlands Education Centre Wetlands Officer Denise Crosbie</p> <p>City of Cockburn environmental officers</p> <p>The Cosy Corner Unit Trust,</p>

Bush Ranger Unit	Activity	Partners
	<p>DEC Perup science reward camp</p> <p>Margaret River Unit camp</p> <p>Marapana Wildlife Park Excursion</p> <p>Perth Royal Show</p> <p>St John Senior First Aid</p> <p>Planting native trees in college native garden</p> <p>College recycling project</p>	<p>Bruce Anderson</p> <p>Walpole WOW Wilderness Ecocruises</p> <p>DEC Denmark Valley of the Giants Tree Top Walk</p> <p>DEC, Bruce Ward DEC Bunbury, Peter Vickeridge, DEC Wharncliffe Mills, Julie Proctor DEC Caves DEC EcoEducation, Bonnie Patience Bushtucker River Tours, Lucy</p> <p>Marapana Wildlife Park, Tim</p> <p>St John's Ambulance</p> <p>DEC LandCare WA Marapana Wildlife Park Lullfitz Nursery</p> <p>Western Recycling</p>
Esperance Senior High School	<p>Painting of observation deck on Woody Island/erosion control on Woody Island (recruitment camp)</p> <p>Leadership camp (Thomas River, Cape Arid National Park)</p> <p>Maintenance work at Helm's Arboretum</p> <p>Weeding at Thomas River ('Your Tidy Patch' Competition)</p> <p>South Coast Natural Resource Management</p> <p>Tree planting at local farms around Esperance</p> <p>Tree planting/painting beach access stair case at Nine Mile Beach</p> <p>Cape Le Grand - Rossiter Bay walk trail camp</p> <p>Paper recycling</p> <p>Photographing sea grass meadows for ESHS biology classes</p> <p>Establishment of a native garden around Bush Rangers shed</p>	<p>DEC Esperance, Cameron Hennessy</p> <p>DEC Esperance, Cameron Hennessy</p> <p>DEC Esperance, Mick Rose</p> <p>DEC Esperance, David Chadwick</p> <p>Rani Stewart</p> <p>Esperance Regional Forum, Cindee Hage</p> <p>Shire of Esperance, Katheryn Little</p> <p>DEC Esperance, Cameron Hennessy</p> <p>Esperance Senior High School</p> <p>Esperance Senior High School</p> <p>Esperance Senior High School</p>

Bush Ranger Unit	Activity	Partners
Geographe Education Support Centre	<p>Cape to Cape Trek – Fundraising for Tenderfoot school</p> <p>Induction camp</p> <p>Work camp</p> <p>Combined regional camp</p> <p>Adventure camp</p> <p>Community garden</p> <p>Peppies for Possums project</p> <p>West Street Reserve</p> <p>Volunteering Iron Man</p> <p>Ranger report</p> <p>Gatekeeper Project Wharncliff Mill</p> <p>Recycling project – brick making and brick distribution</p> <p>Beach Clean Up Keep Australia Beautiful</p> <p>Interschool Cross Country</p> <p>Tidy Towns</p> <p>Bibbulman Track Challenge</p>	<p>Parents DEC</p> <p>Ribbons of Blue</p> <p>Albany BRC</p> <p>Newton Moore ESC</p> <p>The Possum Group</p> <p>Shire of Busselton</p> <p>Friends of the West Street Reserve</p> <p>Tenderfoot School Kenya</p> <p>Keep Australia Beautiful Council</p> <p>Tidy towns Committee</p> <p>Busselton Senior Citizens Centre Community Garden Committee</p> <p>Tidy Towns, Keep Australia Beautiful</p> <p>Busselton Senior High School</p>
Goldfields Baptist College	<p>Esperance introduction camp</p> <p>ANZAC Day School Assembly</p> <p>Morapoi Station cultural awareness camp</p> <p>Kalgoorlie-Boulder Native Plants Garden Project (at Hopkins Park, Killington Crescent, Boulder)</p> <p>Mt Monger turnoff Rehabilitation Area: clean-up and removal of old reticulation piping</p> <p>Meeting with Minister for Environment and Youth</p> <p>Responsibility for the native</p>	<p>DEC Esperance, Cameron Hennessy McKenzie Island Tours, Hayley Wells</p> <p>GBC Staff Kalgoorlie Community members</p> <p>Leonora Bush Rangers, Daniel Wheeler Albany Secondary Education Support Centre, Dave Cockburn Kurrun Baku Aboriginal Corporation, Greg Stubbs Goldfields Camp School, Barbara Piercey</p> <p>Kalgoorlie Boulder Urban Landcare Group (KBULG) David Gleeson City of Kalgoorlie-Boulder</p> <p>Kalgoorlie Boulder Urban Landcare Group (KBULG) David Gleeson DEC Kalgoorlie, Ben Kober</p> <p>DEC Kalgoorlie Ministry for Environment and Youth</p> <p>GBC Grounds Committee,</p>



Bush Ranger Unit	Activity	Partners
	<p>gardens at Goldfields Baptist College</p> <p>Caltope collection in the O'Connor</p>	<p>Annelize Smith</p> <p>Kalgoorlie Boulder Urban Landcare Group (KBULG) David Gleeson GBC Grounds Committee, Annelize Smith</p>
Jerramungup District High School	<p>Cleaning the foreshore at Bremer Bay</p> <p>Planting 20,000 seedlings on a farm at Gairdner</p> <p>Delivering phone books in town to assist in a fundraiser for junior sports</p> <p>Designing and creating a natural and native garden on school grounds</p> <p>Four-day Mornington camp: navigating, orienteering, abseiling, canoeing and conservation awareness.</p> <p>Visit to Jerramungup FESA for seminar about what to do in case of severe weather</p> <p>Activities relevant to Bush Rangers such as learning about uniform, safety, conservation and its importance, working safely with nature, the use of two-way radio and survival skills</p>	<p>Fitzgerald Biosphere Group, Anne Sparrow</p> <p>Fitzgerald Biosphere Group, Anne Sparrow</p> <p>Jerramungup Junior Hockey Club, Nicole Spinks</p> <p>Jerramungup DHS, Julie Blythe</p> <p>FESA Jerramungup, Anthony Armstrong</p>
John Forrest Senior High School	<p>Camp at Perth Hills National Parks Centre</p> <p>Mountain bike excursion to the Mundi Biddi Bike Trail</p> <p>Camp at school to work with local partners</p> <p>Camp at Rottnest Island</p>	<p>DEC, EcoEducation</p> <p>Bibbulmun Track Foundation</p> <p>Yanchep National Park Weld Square Primary School Hangout</p> <p>Rottnest Island Authority</p>
John Septimus Roe Anglican Community School	<p>Team building camp at Bickley survival camp</p> <p>Community service camp at Yanchep National Park</p> <p>Leadership camp at Manjedal</p> <p>Community service camp at Yanchep National Park</p> <p>Trek</p>	<p>DEC Yanchep National Park Ranger John Wheeler</p> <p>Scout Association</p> <p>DEC Yanchep, John Wheeler</p> <p>Oncology Ward PMH, Barry Ashbolt</p>

Bush Ranger Unit	Activity	Partners
	Cleaning and cage building Perth Royal show Family Fun Day – JSR Solar car challenge	Native Animal Rescue Centre, Kelli Ellemor Land Care Pavilion Principal Matthew Hughes Western Power
Kalbarri District High School	Get together camp: leadership and teambuilding Fauna trapping at Kalbarri National Park Tree planting, Wittecarra Creek at Point Peron camp Waste audit ANZAC Day marching SES training Photographic survey, Natural Bridge Kalbarri Photographic survey, Jakes Beach Kalbarri Community garden Kalbarri DHS	DEC Kalbarri, Mike Paxman DEC Kalbarri DEC Woodvale DEC Kalbarri Northampton Shire DEC Denham, Roger Whitelaw Wastewise, Meg Greenhill Kalbarri ANZAC Day Association, Len Mitchell Kalbarri SES, Ron Hayward DEC Kalbarri, Mike Paxman Kalbarri Board Riders Club, Dave Pratt Kalbarri DHS, Steven Wells
Katanning Senior High School	GPS activities: geocache around the Katanning Area Dryandra camp Recruitment Drive: day around Katanning Night stalk	DEC Narrogin, Graham Holmes Conservation Volunteers Australia, Tracey Fuller Perth Zoo/DEC Katanning/Landcare DEC, Mitch Davies Landcare, Ella Maesepp
Kolbe Catholic College	Baldivis Children’s Forest weekly activities and projects Friends of Point Peron Weekly activities and projects Naragebup Environment Centre weekly activities and projects Perth Zoo: excursion and weekly meeting Penguin Island: excursion and weekly meeting AQWA Hillarys: excursion and weekly	Baldivis Children’s Forest, Jo Tregonning Friends of Point Peron, James Mumme Libby Burgess Perth Zoo, Education Officer Rockingham Wild Encounters Bookings officer

Bush Ranger Unit	Activity	Partners
	<p>meeting</p> <p>Camp Leschenaultia</p> <p>Mammoth Cave Margaret River camp</p> <p>Camp at Wharncliffe Mill</p> <p>Excursion on the Hardy Inlet and Blackwood River, Augusta</p> <p>South Kwinana Fire Brigade</p> <p>Perth Hills National Parks Centre camp</p> <p>Perth Observatory camp</p> <p>Karakamia Chidlow camp</p> <p>Eco Education Mundaring camp</p> <p>Singleton Volunteer Fire Brigade</p> <p>Animal/wildlife rescue experience incursion</p> <p>Drill training</p>	<p>Paul and Kerry</p> <p>Cave Works, Lake Cave Precinct</p> <p>Kristy Pengelly, DEC EcoEducation Margaret River</p> <p>Flinders Boat Tours, Eco River Cruises</p> <p>Kwinana South Fire Station Clinton Venables</p> <p>Perth Hills National Parks Centre, EcoEducation Mundaring</p> <p>DEC, Perth Observatory</p> <p>Karakamia Wildlife Sanctuary, Chidlow</p> <p>Perth Hills National Parks Centre, EcoEducation Mundaring</p> <p>Singleton Bushfire Brigade, Laurie Drage</p> <p>Wildlife Volunteer, Michelle Newman</p> <p>Defence Transition Mentor Olivia Venables</p>
Kununurra District High School	<p>Biodiversity trip to Ningbing Range DEC Cane Toad Program, Science Division, MG ranger program</p> <p>Canoeing trip to Kingston Rest</p> <p>Tropical Forestry Services and DEC</p> <p>Miriuwung Gajerrong Language Centre and DEC</p> <p>Kimberley Toad Busters, University of Sydney and DEC</p>	<p>DEC Principal Research Officer Dave Pearson DEC Miriuwung Gajerrong Joint Management Coordinator Scott Goodson</p> <p>TFS</p> <p>Senior Linguist/Coordinator Mirima Dawang Woollab-gerring, Language and Culture Centre</p> <p>Kimberley Toad Busters, Ben Scott Virtue</p>
Leonora District High School	<p>Morapoi camp with Kalgoorlie Unit</p> <p>Camp out at the breakaways</p> <p>Calendar project: the creation of a calendar about bush foods and medicines</p> <p>Fourteen excursions out bush for calendar</p> <p>Two school clean-ups</p>	<p>DEC</p> <p>Shire of Leonora</p> <p>Leonora District High School</p> <p>Agnew Gold Mines</p> <p>School community</p>

Bush Ranger Unit	Activity	Partners
	Advertising in the school newsletter Recycling program	
Manjimup Senior High School	Tree planting at East Manjimup Primary School Participated in catch, tag and release program of local fauna at Perup EcoEducation Centre Weed removal at King Jarrah Recreational site Rubbish clean-up at Faunadale Reserve Weeding and pathway clean-up at Manjimup timber park ANZAC Day ceremony, daily flag raising Guest greeting, ushering and parking duties at school graduation	School community and Forest Products Commission DEC, EcoEducation DEC, Warren Region DEC, Warren Region Manjimup Shire Council School community School community
Meekatharra District High School	Rubbish collection along Meekatharra Creek Designing a native plant garden at school Overnight camp at Lake Nallan Annual Adventure camp to Coral Bay	Ningaloo Reef Adventure Camps
Mercy College	Junior Cowan Community Watch (JCCW) Weeding, litter pick up, koala area clean and feed camp at Yanchep National Park Site clean at Gloucester Lodge, Yanchep National Park Fauna Rehabilitation Centre excursion Camp Logue Brook Joondalup Coast Care Forum Conservation work with Joondalup Coast Care Forum (Porteous Park) Perth Royal Show Bickley Outdoor Recreation camp Face the Challenge	Luke Simpkins MP Bill Coghlan, Community Support Officer Office of Luke Simpkins, Federal Member for Cowan DEC Senior Ranger John Wheeler Gloucester Lodge, Phil Smeeton Fauna Rehab Centre Malaga Logue Brook, Ken Topperwien Mike Norman DEC Bush Rangers WA DEC, Bush Rangers WA Department of Sport and Recreation Save the Bilby Fund

Bush Ranger Unit	Activity	Partners
Mount Magnet District High School	Lake Challa Canoeing camp Overnight camp Karijini National Park reward camp Mt Magnet DHS Nature Trail Awesome Arts joint recycling art project	Challa Station Ashley and Debbie Dowden DEC Karijini Jo Shalders Mt Magnet District High School Awesome Arts, Michelle Siciliano
Mount Lawley Senior High School	Camp at Wellington and construction of bush walk trail Earth Day at Edith Cowan University: assisting various providers with their presentations and displays Inglewood Triangle Conservation Area: rubbish clean-up and weeding Karijini/Ningaloo trip: rubbish clean-up at Dales camp ground, graffiti clean-up and track repair at Dales Gorge and beach clean-up at four beaches in Cape Range National Boranup camp: rubbish clean-up of Conto's beach and weeding in Conto's campsite Perth Royal Show: watering and litter collecting around display, assisting the presenters, looking after animals, assisting the public with their experience Tree camp: rubbish clean-up of road from Crystal Springs to Mandalay Beach and rubbish clean-up of Mandalay Beach	DEC Wellington District EcoEducation Edith Cowan University Variety of service providers Friends of the Inglewood Triangle, Christine Allbeury and Mary Gray Michael Sutherland MLA Mount Lawley DEC Karjini DEC Exmouth DEC Ranger at Conto's campsite DEC Bush Rangers WA DEC Walpole Keep Australia Beautiful Walpole
Mullewa District High School	DEC wildlife incursion Tree planting at the Coalseam Garden restoration at Mullewa District High School Kalbarri/Shark Bay camp	DEC Geraldton, Rob Thorne DEC Geraldton, Kevin Marshall DEC Shark Bay, Monkey Mia Dolphin Visitor Centre
Mundaring Christian College	New Cadet orientation camp White-water rafting camp Senior Rangers adventure and leadership camp	Department of Sport and Recreation Woodman Point, Graham Sharpe Warriuka, Monica Wheatley DARE Adventure Camps, Dwellingup, Karen Thompson Perth Hills National Parks Centre, Jill Francis

Bush Ranger Unit	Activity	Partners
	Beach clean-up Underwater clean-up Snorkelling Tree planting Orienteering Rottnest Island camp: beach clean-up/flora and fauna conservation Leadership Overnight camps survival skills Environmental centre work Knots and rafting DRILL ANZAC Fish ID workshop Bike safety Adopt a Beach: Hasties Beach and Hamelin Bay	Michael Burgess Department of Fisheries Instructors City of Bunbury, Colin Spencer Instructors Rottnest Island Authority Instructors Instructors Instructors Instructors Instructors Department of Fisheries, Michael Burgess Instructors Instructors
Northam Senior High School	Exmouth and Wooleen Station camp Lake Leschenaultia camp York Farm Rottnest Island camp Avon Descent: clean-up overnight stay Painting local Northam Scout Hall Swimming Lessons at Northam Town Pool Tree planting at school farm and local York farm Rubbish Collection around Northam shire Aluminium can recycling Presentation from Channel 10 news presenter Narelda Jacobs Bob Cooper's outback survival sessions	David Pollock (owner of Wooleen station) DEC, Exmouth  Rory Curtin: owner of Kerry Downs farm Rottnest Island Authority Shire of Northam Former Scout leader, Julie Brown VacSwim Organiser for Northam town pool Northam Senior High School Farm, Rory Curtin – York Farm owner Shire of Northam Northam Senior High School Lauren Hunt Vanessa Paget Bush Survival Skills
Onslow School	Exmouth Adventure camp	David Wirrapanda Foundation, Jaclyn Neil

Bush Ranger Unit	Activity	Partners
	<p>Path clearing at Charles Knife Gorge for DEC</p> <p>Excursion and Investigation into the production and environmental</p> <p>Excursion to Thevenard Island to examine an oil and gas plant</p> <p>Photo Voice: aiding Coakes Consulting in the social impact studies of Onslow</p> <p>Excursion and investigation of the sustainable fishing practices of Kailis</p> <p>Coastal Management Plan for Four Mile Creek: environmental and social studies, Indigenous perspectives and proposal writing</p> <p>Community Garden Project: maintaining growing beds and building a chicken run for school's organic garden</p> <p>Fishing Rod Project: learning the practical skills of building a fishing rod</p>	<p>DEC, Tony Coyle, Park Ranger</p> <p>Onslow Salt, Kane Watson</p> <p>Chevron, Emma Sandy</p> <p>Chevron, Coakes Consulting, Asten Paton</p> <p>Kailis Brothers, David Dowding</p> <p>Ashburton Shire, Onslow Salt, Coakes Consulting, Chevron, Sue Lennard</p> <p>Onslow School</p> <p>Onslow School</p>
Roleystone District High School	<p>Rock climbing confidence course/ high ropes</p> <p>Search and rescue team building and leadership training</p> <p>Mountain bike skills session (Victoria Dam)</p> <p>Canoe beginner skills session</p> <p>Reptile incursion</p> <p>Kayaking skills sessions (series of instructional sessions)</p> <p>Expedition planning</p> <p>Overnight tenting camp: minimal impact skills session and night stalk</p> <p>ANZAC Day ceremony</p> <p>Weeding</p> <p>Seedling raising project started</p> <p>Dieback action plan and identification session</p> <p>Emergency action plan and survival Kits incursion. Reptile introductory session: handling of snakes and lizards</p>	<p>Serpentine Jarrahdale Recreation Centre</p> <p>Department of Sport and Recreation, Bickley Recreation Camp</p> <p>Department of Sport and Recreation, Bickley Recreation Camp</p> <p>Department of Sport and Recreation, Bickley Recreation Camp</p> <p>The Snake Man, Brian Bush</p> <p>Canoe WA and Champion Lakes</p> <p>Roleystone District High School</p> <p>Roleystone District High School</p> <p>Roleystone Dieback Action Group</p> <p>Bob Cooper Survival Skills</p>

Bush Ranger Unit	Activity	Partners
	<p>and snake bite first aid</p> <p>Expedition planning three-day camp: Dwellingup adventure and challenge camp</p>	<p>Dare Adventures</p>
<p>Rossmoyne Senior High School</p>	<p>Weeding Bull Creek</p> <p>'Clean Up Australia Day' at Bull Creek</p> <p>General maintenance/cleaning at Native Arc</p> <p>Bird watching</p> <p>'Snakes Alive' incursion</p> <p>'Ground Spiders' incursion</p> <p>Murdoch University visit</p> <p>Mundaring camp</p> <p>Dryandra camp</p> <p>Wharncliffe Mill camp</p> <p>DEC Fire Reward camp</p> <p>Perth Royal Show</p> <p>Worm farms</p>	<p>City of Melville</p> <p>Native Arc</p> <p>Rossmoyne Senior High School, Dr Henderson</p> <p>Vanessa Paget</p> <p>SERCUL, Amy Krupa</p> <p>Murdoch University, Carolyne Minton</p> <p>DEC</p> <p>EcoEducation</p> <p>DEC Bush Rangers WA</p> <p>DEC Bush Rangers WA</p> <p>DEC Bush Rangers WA</p> <p>The Worm Shed, Chittering</p>
<p>Thornlie Christian College</p>	<p>Rottneest Island camp – orienteering, geocaches, photographic report of Rottneest, beachcombing and recognition of plant and sea life</p> <p>Nanga Bush camp: bush tucker, planting</p> <p>Abseiling, white water rafting, team- building activities and hike along the Murray River</p> <p>Manjedal camp: weeding, injecting jarrah with phosphate, team building, raft building, navigation using compasses, night stalk observations and recording and flying fox</p> <p>Bush safety and survival skills</p> <p>Planting tube stock with local developers, monitoring and photographing bush around the college, transects, observing nest boxes, planning vegetable garden, working safely in the bush, biodiversity around school,</p>	<p>Rottneest Island Authority</p> <p>Nanga Bush Camp, Wendy and Derek</p> <p>Dwellingup Adventures, Peter White</p> <p>Manjedal Activities Centre, Mick &amp; Margriette Foster</p> <p>Bob Cooper Outback Survival, Vanessa Paget</p> <p>School community</p>



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	<p>and snake bite first aid</p> <p>Expedition planning three-day camp: Dwellingup adventure and challenge camp</p>	<p>Dare Adventures</p>
<p>Rossmoyne Senior High School</p>	<p>Weeding Bull Creek</p> <p>'Clean Up Australia Day' at Bull Creek</p> <p>General maintenance/cleaning at Native Arc</p> <p>Bird watching</p> <p>'Snakes Alive' incursion</p> <p>'Ground Spiders' incursion</p> <p>Murdoch University visit</p> <p>Mundaring camp</p> <p>Dryandra camp</p> <p>Wharnccliffe Mill camp</p> <p>DEC Fire Reward camp</p> <p>Perth Royal Show</p> <p>Worm farms</p>	<p>City of Melville</p> <p>Native Arc</p> <p>Rossmoyne Senior High School, Dr Henderson</p> <p>Vanessa Paget</p> <p>SERCUL, Amy Krupa</p> <p>Murdoch University, Carolyne Minton</p> <p>DEC</p> <p>EcoEducation</p> <p>DEC Bush Rangers WA</p> <p>DEC Bush Rangers WA</p> <p>DEC Bush Rangers WA</p> <p>The Worm Shed, Chittering</p>
<p>Thornlie Christian College</p>	<p>Rottnest Island camp – orienteering, geocaches, photographic report of Rottnest, beachcombing and recognition of plant and sea life</p> <p>Nanga Bush camp: bush tucker, planting</p> <p>Abseiling, white water rafting, team- building activities and hike along the Murray River</p> <p>Manjedal camp: weeding, injecting jarrah with phosphate, team building, raft building, navigation using compasses, night stalk observations and recording and flying fox</p> <p>Bush safety and survival skills</p> <p>Planting tube stock with local developers, monitoring and photographing bush around the college, transects, observing nest boxes, planning vegetable garden, working safely in the bush, biodiversity around school,</p>	<p>Rottnest Island Authority</p> <p>Nanga Bush Camp, Wendy and Derek</p> <p>Dwellingup Adventures, Peter White</p> <p>Manjedal Activities Centre, Mick &amp; Margriette Foster</p> <p>Bob Cooper Outback Survival, Vanessa Paget</p> <p>School community</p>

Bush Ranger Unit	Activity	Partners
	<p>identifying weeds and noxious plants, planning meals for camp cooking, setting up camp site tents, bird atlas for Southern River, radio communication protocol using walkie talkies</p>	
Wagin District High School	<p>Bibblumun Track</p> <p>Revegetation tree planting project</p> <p>Orienteering: survival strategies and techniques</p> <p>Rock climbing</p>	<p>Friends of Bibblumun Track</p> <p>Wagin Woodanilling Landcare</p> <p>Rockface Indoor Climbing Centre</p>
Warnbro Community High School	<p>Camp at Margaret River</p> <p>Adopt a Patch Program</p> <p>Investigated human impact on the Environment at Lake Coolungup</p> <p>Point Peron species identification</p> <p>Esperance camp: lake rehabilitation</p>	<p>Venison Farm Margaret River</p> <p>Naragebup Environmental Centre</p> <p>WCHS Outdoor Education department</p> <p>DEC Esperance Catchment Recovery</p>
Waroona District High School	<p>Raft building/team building activities</p> <p>Conservation work: Nell's Block (Bancell Road Wagerup)</p> <p>Incentive walk and bush survival</p> <p>Canoeing</p> <p>Camp Dwellingup</p> <p>Tour with Noel Nannup</p> <p>Basic First Aid</p> <p>Conservation Work – Nell's Block (Bancell Road Wagerup)</p> <p>Camp Mundaring</p> <p>Karakamia Wildlife Sanctuary</p> <p>LandCare Greening Australia</p> <p>Camp Mornington</p>	<p>Forrest Edge Recreation Camp, Graeme Watson</p> <p>LandCare, Jane Townsend Rivercare officer Greening Australia, Thelma Crook Coordinator River Recovery Peel</p> <p>Forrest Edge Recreation Camp, Graeme Watson</p> <p>DEC National Park Ranger Brendan Jelley</p> <p>Noel Nannup, Indigenous Tours WA</p> <p>St John's Ambulance</p> <p>LandCare Rivercare officer Jane Townsend Greening Australia Coordinator River Recovery Peel Thelma Crook</p> <p>DEC Perth Hills National Parks Centre, Kali Langley and Berdina Ballast</p> <p>Sanctuary Officer Lisa Mantellato</p> <p>LandCare Rivercare officer Jane Townsend Greening Australia Coordinator River Recovery Peel Thelma Crook</p> <p>Mornington Adventure Camp, Tessa Skeet</p>

Bush Ranger Unit	Activity	Partners
	<p>Conservation work at Harvey Estuary</p> <p>Low ropes course</p> <p>Cotton bush picking – forest edge sea-biscuiting</p> <p>Wharnecliff Mill Forest camp</p> <p>Calgardup and Giants cave and Wilyabrup</p> <p>Fairbridge Outdoor Recreation Services</p> <p>Donnelly River Holiday Village</p> <p>WOW Walpole Eco Cruises</p> <p>Valley of the Giants Tree Top Walk</p>	<p>LandCare Rivercare officer Jane Townsend Greening Australia Coordinator River Recovery Peel Thelma Crook</p> <p>Forest Edge Recreation Camp, Graeme Watson</p> <p>DEC, Fiona Roberts</p> <p>DEC, Caroline Paice</p> <p>Fairbridge Village Western Australia Inc., Carmen Dawson</p> <p>Sally Fitzgerald</p> <p>Gary Muir</p> <p>DEC, Laura Grieve</p>
Wongutha CAPS	<p>First Aid training</p> <p>Beach and water safety</p> <p>Prepare the conservation project for tree planting, preparation for conservation project for tree planting, fencing on new conservation site number five, spraying and digging out of weeds, planting trees on Wongutha Farm habitat</p> <p>Preparation, ripping and spraying of weeds on old oil mallee plantation</p> <p>Wildlife handling</p> <p>Preparation for tree planting sites 3, 4 and 5</p> <p>Cleaning up site for the arboretum</p> <p>Leadership training and team challenges</p> <p>Checking trees that have been planted</p> <p>Wildlife corridor for honey possums from farm to remnant vegetation area at Wongutha Farm</p> <p>Leadership and team building activities, orienteering, safety training for use on camps, potting trees to larger pots, watering of seedlings</p>	<p>St John's Ambulance and FESA</p> <p>DEC, Fitzgerald National Park</p> <p>Graham Rickerby, farmer at Wongutha and Cindy from Esperance Regional Forum</p> <p>Green Scene Nursery JODE Nursery</p> <p>Marapana Wildlife Park and Zoo</p> <p>Esperance Regional Forum, Cindy</p> <p>Vince Mark and plant operator group</p> <p>FESA, Andrew Waters</p> <p>Bob Cooper Outback Survival</p> <p>Land consultant Neil Summerville</p> <p>School community</p>