



**BUSH  
RANGERS**  
WESTERN AUSTRALIA

# ANNUAL REPORT 2011



Department of  
Environment and Conservation



**Cadets WA**  
Government of Western Australia

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Cover images (main): Contemplation on camp with Carmel cadets.  
Left: Clarkson cadet. Centre: John Forrest Secondary College cadets. Right: Derby cadets.

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## Program coordinator message

This is the 13th year of operation for the Bush Rangers WA program which has achieved some incredible results over this period, supporting extensive conservation initiatives, social development and great levels of fun!

The State Coordinator Hannah Hampson also went on maternity leave towards the end of the year, with Caroline Conway-Physick filling the role in her absence.

The evaluation completed this year has shown that the program is supporting significant change in students in schools and has the potential to achieve far greater results. The new year will see many of the recommendations initiated, with these improving the overall delivery and support function to schools. These will strengthen our efforts in trying to make the program a forerunner in school-based environmental learning and action.

The annual report this year is a collation of effort by 47 Bush Rangers WA cadet units who submitted their reports.

We would like to thank the school communities, unit leaders, instructors, cadets, DEC staff and other partners for all of their efforts in support of conservation, and we look forward to working with you again in the coming year.

Caroline Conway-Physick  
A/State Coordinator

Melissa Patterson  
Project Officer





**Excellence Awards 2011.** From left: Stephen Bauer (John Forrest Secondary College), Caroline Conway-Physick (A/State Coordinator), Craig Addison (Kalbarri District High School), Elaine Horne (DEC EcoEducation) and Geoff Hurren (Department for Communities Cadets WA) at the award ceremony dinner in South Perth.

“Often these reports only give a snapshot of the year, but amid all the various pathways of Bush Ranger cadets—from art and dance to canoeing and seed collecting—all areas focused on our responsibility to the environment, understanding conservation, strengthening teamwork and developing personal skills.”

Mundaring Christian School

## Key partnerships

### Department of Environment and Conservation and Department for Communities

Bush Rangers WA is a voluntary nature conservation program for young Western Australians that is part of the Department of Environment and Conservation's (DEC's) community education programs for secondary schools. It is primarily the responsibility of the Strategic Development and Corporate Affairs Division. It is also one of ten Cadets WA programs funded in schools managed by the Department for Communities, which aim to give secondary school-aged youth the opportunity to take part in personal development training. The training within the program provides practical life skills, develops leadership, teamwork and initiative, and fosters a sense of community responsibility and service, in addition to enhancing environmental literacy in students.

This partnership allows for a dynamic, well-funded program that is supported by the key role-players. It works towards enhancing the strategic outcomes of DEC and the Department for Communities; environmental literacy and social development respectively.

In addition, the program attracts many informal partnerships that support Bush Ranger units by offering excursion opportunities and professional development training that address the key objectives of the program. In 2011, the units were supported by more than 123 organisations across the state. This does not take into account the variety of support offered from within DEC or individual people who gave their time.



A Northam cadet learning about the world around her.

"This program is wonderful as it allows our students to excel ... it allows them to develop valuable skills and knowledge about environmental issues and it tends to engrain these due to the practical nature of the program."

Albany Secondary Education Support Centre

"Students are learning about the importance of their environment, as well as how to care for it, by getting involved in many proactive ways."

Armadale Senior High School

# Bush Rangers WA vision, mission and objectives

## Vision statement

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

## Mission statement

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, and 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.

## Key program attributes

- Social responsibility and commitment
- Environmental literacy
- Leadership
- Enhanced skills/training
- Personal development
- Pro-social factors
- Environmental stewardship



Clontarf cadets were involved in conservation activities with Yanchep National Park rangers in 2011, pulling out over 1,000 turnip weeds near the park entrance and weeding around the native flower garden.



Mundaring cadets having a paddle.



# Bush Rangers WA cadets

## Participation overview

This year has seen some wonderful opportunities being realised by the 52 units actively involved in the program this year, with five units in suspension. These units collectively undertook about 483 activities during 2011, which ranged widely in focus but were all in support of student and environmental development initiatives.

In addition, the 2011 evaluation—which was completed in early November—identified a number of areas within the program that need to be strengthened further. These recommendations will form the foundation of how we will approach 2012. A key aspect of this will be the introduction of a regional coordination level within the program to encourage greater involvement, networking, communication and support to schools. Some exciting initiatives are bound to come from this development and the Department for Communities has been strongly supportive of this process.

There has been an increased interest and demand by schools to start up Bush Ranger units in the last quarter of this year, with an additional five units registering for the 2012 year.

To date Bush Ranger units have collectively contributed almost 3.25 million hours to conservation and community projects, accruing about a quarter of a million hours annually.

Item	Hours	Total volunteer hours
Weekly meetings	107,717.5	273,955
Camps	153,384	
Preparation	12,853.5	

Semester one 2011 showed 1,760 cadets enrolled in the program and in semester two, 1,782 (53 per cent male and 47 per cent female). This shows a positive turnaround from last year, where a decline in numbers was experienced in the second semester. A total of 273,955 volunteer hours were contributed by Bush Rangers WA cadets and adult volunteers in 2011.



Supporting a broad sector of the population, the Bush Rangers WA program has encouraged participation from a wide variety of students in varying situations including rural, urban, community-based, remote, education support and Indigenous communities, as well as from schools with a strong academic focus. The program is supported by a number of very dedicated and enthusiastic staff. The statistics are as follows:

Cadet unit	Male staff	Female staff	Male cadets	Female cadets	Total cadets	Aboriginal	Born overseas	Language	Disability
Totals	96	108	944	838	1,782	411	143	222	183

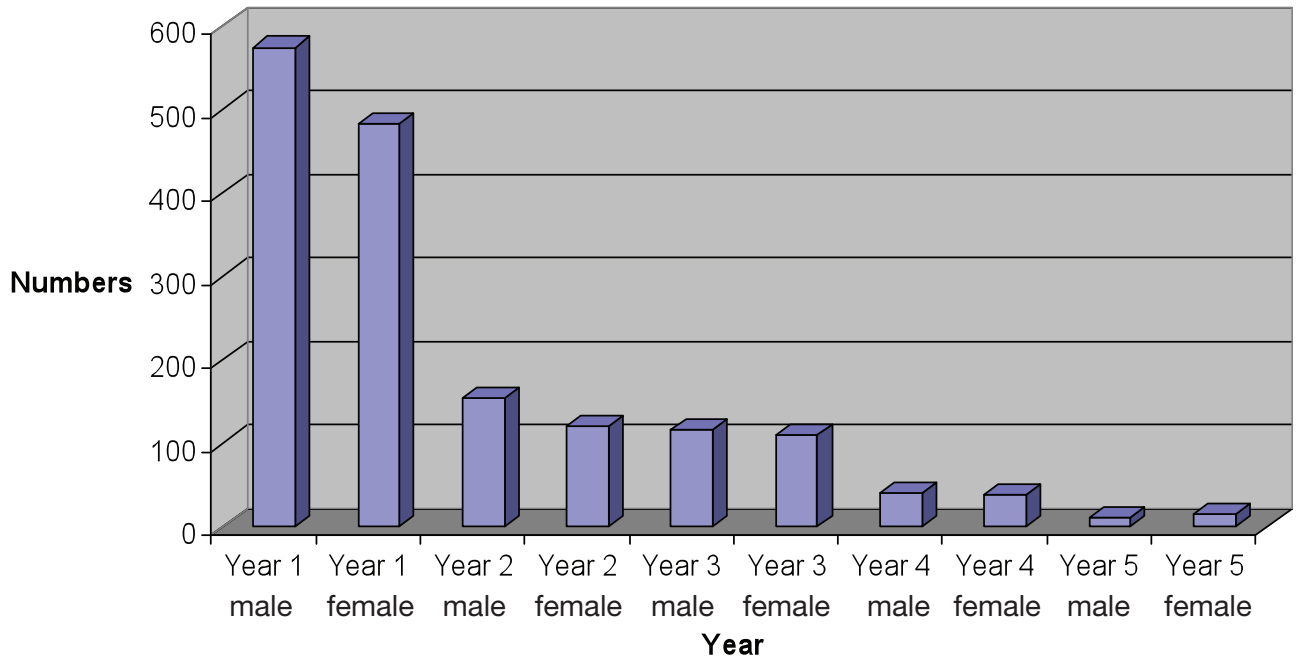
"[The program] has greatly encouraged and supported networking within our community, between schools surrounding us and with government and private organisations. It gives great opportunities for students to get actively involved in volunteer work and conservation."

Clontarf Aboriginal College



Left: Emmanuel cadets planting. Right: Duncraig cadet.

Cadet numbers by age group



# Bush Rangers units in Western Australia, 2011



## Certificates of Promotion and WA Certificate of Education

Many units celebrate their cadets' achievements in advancing levels within the program with promotion parades or presentation nights. This is also a great opportunity for cadets to communicate to parents some of the activities and projects the unit has completed. A number of schools submitted their results to DEC to obtain certification (please see table below).

An aspect of potential growth within the program is the use of its ability to support curricular learning through its accreditation and endorsement process. Currently recognition to students is given in two ways:

1. Students are given points which make up to four units on the Western Australian Certificate of Education (WACE), depending on how many Bush Ranger outcomes and levels are completed. If all levels are completed during Year 10 to 12, then four units can be achieved on WACE.
2. Recognition is given to those who achieve their vocational education training (VET) units of competency, based on the Australian Quality Training Framework (AQTF). These form part of their school program which can then be recorded on their Statement of Results of their WACE ([www.curriculum.wa.edu.au](http://www.curriculum.wa.edu.au)).

### Certificates of Promotion for 2011

A total of 136 Certificates of Promotion were issued to students in 2011 over the three levels from six schools. This is a considerable decline in numbers from 2010 which shows a poor utilisation of this function within the program (7.6 percent of students). Of these, 53 students received WACE accreditation. A Certificate of Promotion is issued to a cadet by the Bush Rangers WA Program Coordinator when the requirements for a training level have been met.

Bush Rangers WA certificates issued by DEC				
Schools/units	Quantity issued Level 1	Quantity issued Level 2	Quantity issued Level 3	WACE accredited
Clarkson Community High School	8	0	0	•
Duncraig Senior High School	39	18	8	
John Forrest Secondary College	5	0	0	
Kununurra District High School	13	0	0	•
Mandurah Senior College	32	0	0	•
Rossmoyne Senior High School	3	5	5	
Total amount	100	23	13	





Left: Thornlie cadet abseiling. Right: Wongutha CAPS cadets.

In 2011, Duncraig cadets planted 3,000 salt bushes, shrubs and trees in salt-affected paddocks and 100 bird boxes were constructed and installed in homes and bushland.

## Bush Rangers WA unit leaders and instructors

The program cadets were supported by a total of 204 unit leaders and instructors over the year, not including the generous volunteer hours given by parents, friends, other partners and local supporters who ensure that the program offers a rich diversity of opportunities for students. The high level of dedication and enthusiasm shown by such individuals ensures the program's success and is what has made it highly appreciated by the students who take part.



Left: Ellenbrook cadets. Right: Mandurah cadets.



Instructors within the program ensure they keep up to date with the necessary qualifications in support of their units' needs. This year has seen a wide range of supporting professional development opportunities being undertaken:

Qualification	Bronze medallion	Bronze medallion renewal	Senior first aid	Waste wise management	Bush Rangers instructors PD	Sustainability action	Working at heights	Surf rescue	EcoEd PD	START course	Outdoor instructor
No. instructors	24	6	24	2	14	3	1	12	1	2	1
Qualification	Basic wildfire	Special needs	First aid	Information technology	Learners heavy rigid licence	Medium rigid and/or heavy rigid licences	Fire-fighter	Die-back	Rock and water safety	Swift-water rescue	Australian Swimmer
No. instructors	5	1	5	1	1	5	1	2	1	1	1

## Instructors Awards for Excellence

This year again saw the recognition of three teachers at the Bush Rangers WA Excellence awards ceremony, which took place in South Perth on 11 November 2011. The Instructors Awards for Excellence is an opportunity to acknowledge the time and effort unit leaders and instructors give to Bush Rangers WA.

The award is given annually to only three individuals (unit leaders or instructors) within the Bush Rangers WA program who have shown a high level of commitment, dedication, enthusiasm and passion for the work they do within the school environment in support of the environmental education program.

This often results in an extensive amount of extra hours being put into planning and organising camps or excursions for students. This time is always spent with eager anticipation of an event that students come away from with indelible memories and life-changing opportunities and experiences.

In order to thank these individuals in a small way for their efforts, we invite them, along with key role players, to attend this awards ceremony dinner, where their effort is acknowledged.

Their effort is without doubt the reason for the success of the program. The level of dedication by instructors determines the positive outcome the program has for students, and we are very appreciative of their efforts. They are assets to their schools and incredible ambassadors working towards positive environmental and social change.

A/Bush Rangers State Coordinator Caroline Conway-Physick

This year the winners were Craig Addison, Stephen Bauer and Gary Paul.

Congratulations to all our winners and thank you for your dedication to your students and the program!

Gary Paul was unfortunately unable to attend the function this year due to work commitments. However, his commitment to the program was still recognised at the event.

Stephen Bauer, John Forrest Secondary College

"I originally became involved with the Bush Rangers program because as a teacher, the students had a dual personality. In class they were sometimes disrespectful and noncompliant to instruction, but out in the bush and doing 'non-school' things they were different people. They were interested, willing, involved, caring and supportive of each other. Students who were non-academic had a means to find satisfaction in their own success while working with friends.

I also realised a lot of students didn't experience a lot of the things I thought were normal; being away from home overnight, camping, tenting, working as a team or taking responsibility for a project. I found the Bush Rangers program requires teamwork as the criteria to be a member. It is not a competition to be the best and 'get' a position in the team to the detriment of the 'losing' person—there is an ethos of support rather than competition."

Craig Addison, Kalbarri District High School

Craig has been involved with the Bush Rangers in various capacities for more than 11 years, during which time he has positively influenced many young people. He takes much pride in his efforts with the cadets to ensure that his Bush Rangers program is meaningful and relevant to the community. The skills his cadets learn enable them to enjoy and interact with the fantastic national parks and natural environment that surround our area with knowledge and sensitivity.



Excellence awards ceremony. From left: Stephen Bauer, Craig Addison, Elaine Horne (DEC) and Geoff Hurren (Department for Communities).

## Long service awards

In addition to the Excellence Awards held by DEC in support of the Bush Rangers program, the Department for Communities awards long service awards to instructors who have dedicated their time in support of youth and community development through the program. During 2011, the following people received recognition for their efforts:

- Carleen Edwards (John Septimus Roe Anglican Community School) received her 15-year clasp for her Long Service Medal, presented by the Minister for Youth on 31 August 2011.
- Stephen Bauer (John Forrest Secondary College) received a 10-year Long Service Medal.

Eligible instructors may apply through their unit leader and state coordinator using the form provided by the Department for Communities' Cadets WA coordinator at the start of the relevant year (year 6, 10 or 15). Through this they can receive acknowledgment in the form of a six-year Certificate of Service, a 10-year Long Service Medal or a 15-year clasp.

## Regional support

By expanding the support through regional structures it is hoped that as the program grows this will strengthen the coordination, communication and networking at a more localised level. The aim of this is to ensure effective program quality and delivery as well as being able to define the needs of units more efficiently, and being able to respond more appropriately.

Regional involvement in Bush Rangers is a growing support base that will encourage greater collaboration of units and participation in regional camps and excursions, which will enrich the experiences of cadets, and also offer greater support to teachers and volunteers who plan outings.

The Department for Communities will be supporting this development by assisting in the formation of eight regional coordinators from 2012 in a number of clusters. These include Esperance/Goldfields, South West, North Metro, South Metro, Mid West, Great Southern, Kimberley Region (confirmed) plus one other region to be identified.

Currently the Kimberley Region is fully active and being supported through DEC by Bush Rangers Regional Coordinator Sally Johnston, based at Kununurra, who has had some incredible results over the past year.

“Students have far greater awareness of a range of environmental issues and, most significantly, are involved in and know about a range of activities that help reduce impact on the environment.”

Carmel Adventist College

## The Kimberley Region

It was a big year for Kimberley Bush Rangers, with the number of units in the region more than doubling. In semester one we welcomed the Derby unit into the fold, and they got straight into it, entering the Gibb River Road Mountain Bike Challenge with their counterparts from Kununurra and Fitzroy Valley. In June, they held their inaugural Kimberley Bush Rangers conference in Fitzroy Crossing, where instructors were joined by DEC staff and representatives of environmental groups from across the region. Wyndham and Broome units came on board in term three, with Wyndham joining Bush Rangers units from Kununurra and Derby for a bushcraft and survival camp. A highlight for six cadets from Kununurra was a week-long work experience program with DEC, with another cadet currently undertaking a school-based traineeship. The Bush Rangers program will continue to grow in the Kimberley in 2012, with the passion and dedication from cadets and instructors alike ensuring a lot more exciting activities and projects.



A Wyndham cadet birdwatching.

“Bush Rangers are involved in Kimberley projects unique and specific to the area and, with other schools, target participation in these events. These projects give students an appreciation of the fragility of the environment and the need for conservation and protection by being proactive.”

Fitzroy Valley District High School





Kununurra cadets cycling the Gibb River Road Mountain Bike Challenge.



Derby cadets celebrating World Turtle Day.

“There is no doubt that the program has raised the profile of conservation and caring for the environment. We have found that there has been a significant increase in students wanting to undertake work placements in the areas related to Bush Rangers.”

Kolbe Catholic College

## Capacity building

The skills and abilities of the volunteer adult instructors contribute to providing exciting conservation opportunities for Bush Rangers WA cadets. Instructors are provided with yearly training from DEC at an annual conference and many undertake other training to meet the needs of their unit.



## Bush Rangers WA annual conference

Annually the Bush Rangers WA program holds a conference in support of the program instructors and unit leaders. This year it took place at Yanchep Inn within Yanchep National Park. More than 50 participants attended the conference.

The conference is considered a crucial training and networking opportunity for schools involved in the program, giving them the opportunity to strengthen their understanding, share experiences with other units and improve the delivery of the program's objectives by obtaining invaluable insights and exposure to new conceptual thinking.

In the future it is envisaged that the conferences will be expanded to take place in other regions as well. This is already taking place in the Kimberley Region, where instructors from other areas are welcome to attend to gain skills and knowledge through these sharing opportunities within a broader context. Information on these events will be released during the course of the year via the program coordinator's office.

"I have attended various conferences which have been valuable learning experiences both in terms of expanding my knowledge base as well as providing time to network with other units."

Katanning Senior High School

"Attendance at the annual conference is essential. There is so much to learn from this conference that assists with the running of the program."

Kolbe Catholic College



Left: Instructors deep in decision-making. Centre: Working on field studies with Elaine Horne. Right: Dressing up for drumming.

## Reward experiences

DEC's annual reward experiences provide Bush Rangers WA cadets with unique opportunities to work with DEC staff in the field to develop their conservation skills and knowledge. Each reward experience also helps cadets to achieve outcomes, for example in Module 1 (Bush Rangers' Qualities), Module 2 (The Practice of Nature Conservation) and Module 3 (Working Safely in Natural Environments).

Nominations from units for available reward experiences are submitted annually at the start of each school year to the state coordinator.

The following reward experiences were carried out with support from DEC staff.

### Research at Perup Nature Reserve

This camp focuses around conservation research activities and can only support a small group annually to participate. A total of six cadets and several support staff (instructors) participated from Kalbarri District High School in this year's two-day reward experience, held in March.

Based at Perup Nature Reserve, east of Manjimup, the cadets work with technical officers from DEC's Science Division to learn about monitoring wildlife through fauna trapping, spotlight surveys and mapping vegetation. In addition to the skills learned at each of the reward camps, this experience assists cadets to achieve outcomes in Module 5 (The Meaning of Conservation) and Module 8 (Winning Back Wildlife).



Kalbarri cadets preparing bait.



## Expedition to Shark Bay World Heritage area

This reward experience gives cadets exposure to the daily work projects and maintenance of François Péron National Park, as well as the Monkey Mia Resort. Cadets also assist with the maintenance of threatened species enclosures at Project Eden. The experience is hard work and helps cadets to achieve outcomes in Module 6 (Environmental Management), Module 7 (Parks, Reserves and Landscape Management) and Module 8 (Winning Back Wildlife).

“Over the years the Shark Bay reward camp has become something that all the Bush Rangers from Rossmoyne Senior High School wish to participate in, including the instructors. This year was no exception, with everyone thoroughly enjoying the work challenges as well as the new environment.”

Rossmoyne Senior High School



Rossmoyne cadets at Shark Bay.

## Basic wildfire awareness

Each year DEC's Fire Management Services Branch offers a reward camp for cadets to give them an insight into the branch's roles and responsibilities. The first day involves training in the nationally accredited Basic Wildfire Awareness course, with a theory test to be completed at the end of the training. This is followed by conducting a prescribed burn around the Dwellingup Forest Heritage Centre, as long as suitable weather conditions prevail. Each year the cadets burn a different 'cell' of a pre-defined area around the centre. This has created a good demonstration of the mosaic of different ages of forest regeneration after a burn. The mosaic helps to promote biodiversity and the burn also contributes to the protection of the centre and the town of Dwellingup itself.

The second day starts by returning to the fire site to complete the all-important task of mopping up — making sure embers have died down and are a sufficient distance within the burn boundary to leave safely. Once complete, the cadets return to the training centre to learn about health and fitness for the front fire line, meal planning and stress-management techniques from DEC's Risk Management Section. The experience contributes to cadets' understanding in Module 6 (Environmental Management) and Module 7 (Parks, Reserves and Landscape Management).

This year fourteen cadets took part in the reward experience from three different cadet units—Albany Secondary Education Support Centre, Emmanuel Catholic College and Mercy College—with a total of four instructors in support. Despite the unfortunate weather, great fun and enjoyment was had by all!



Emmanuel and Albany cadets managing the high pressure hose.



## Perth Royal Show

A total of nine schools took part in the Bush Rangers WA display at the Perth Royal Show from 1 to 8 October 2011, with 159 cadets and 28 instructors supporting the event. This year cadets constructed bird and bat boxes which they had on display. They also carried out additional duties within the Conservation and Landcare stand at the show.

The Royal Agricultural Society commended Bush Rangers stand for their effort and the activities which were undertaken while at the show.

“On behalf of the Conservation and Landcare Committee we would like to thank the DEC Bush Rangers for their outstanding efforts on our site this year. All the students who took part worked well and, according to appearances, enjoyed what they were doing. Your site was wonderfully presented and we know the Governor of WA was extremely pleased to see you there on the last Saturday of the show.”

Royal Agricultural Society



The Bush Rangers' stand at the Perth Royal Show.





Emmanuel cadets out on a hike.

## Unit reward camps

The variety of additional experiences offered to units through schools is vast and covers aspects such as conservation education, research, adventure, team building and leadership, first aid and safety, clean-up campaigns, community service, revegetation and weeding.

DEC district and regional staff throughout the state provide a range of reward experiences in support of units. In addition, these camps are expected to become even more successful in coming years, with greater collaboration and partnerships being formed within the program.

# Communicating about Bush Rangers WA

Units have been very busy this year spreading the word about their activities through a wide range of media.

School newsletter	Newspaper articles	Powerpoint/video/DVD	Radio/TV	Events or assemblies	Photo history
223	31	30	7	74	162

Artwork	Displays/talks	School magazine	Website	Intranet	Web 2.0	Other
25	45	31	16	11	1	4

## DEC publications

In addition, the program coordinator has facilitated six media releases within DEC including DECmatters articles and other media types. These aimed to support and promote a wider understanding of the program's achievements and objectives. This is an ongoing activity carried out by most units.

This year saw a delay in the use of the DEC website, due to a corruption of the site which caused its collapse and the need for a new site to be developed. This has taken the majority of the year and has caused some setbacks in supporting units and their ability to network through this electronic media format. The new site should be active in 2012.



Broome cadets at a community fair.

## Program evaluation

Towards the end of 2011 an internal evaluation of the Bush Rangers WA program was carried out by DEC. This was completed in mid November and released to all units and major partners of the program for review. Insights from this review showed a strong need to further enhance the support given to units in a number of ways, as well as a need to define important values and achievements of the program. The outcomes of this evaluation will be used to plan how the program could work more constructively in support of units into the future.

An electronic copy of this review is available from the state coordinator's office or a hard copy (not for removal) from DEC library archives at Kensington.

"The program is well received among our school community. Students enjoy the fun, practical activities. Teachers enjoy the program because it engages students and motivates them to learn about the environment. The funds attached to the program enable it to fulfill its vision and purpose. The Bush Rangers cadets program is an asset to the educational program of our school."

Wongutha CAPS



Mundaring cadets building shelters.

## For more information

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

State program coordinator  
Bush Rangers Western Australia  
Department of Environment and Conservation  
Locked Bag 29  
Bentley Delivery Centre, WA 6983

Ph: (08) 9334 0137 or (08) 9334 0386  
Email: [BushRangersWA@dec.wa.gov.au](mailto:BushRangersWA@dec.wa.gov.au)



Left: Emmanuel cadets getting to grips with worms and composting. Right: A Broome cadet making a sign board.



# Appendix 1 – Schools list and hours

Unit	Weekly meetings	Camps	Preparation	Total
Albany Secondary Education Support Centre	1,428	2,912	234	4,574
Armadale Senior High School STEP	1,056	-	78	1,134
Atwell College	4,000	1,080	100	5,180
Broome Senior High School	2,448	768	111	3,327
Bunbury Cathedral Grammar School	*	*	*	-
Canning Vale College	1,100	2,320	70	3,490
Carmel Adventist College	810	1,311	92	2,213
Clarkson Community High School	2,800	7,056	1,069	10,925
Clontarf Aboriginal College	2,112	4,752	132	6,996
Coodanup Community College	2,474	3,036	94	5,604
Corrigin District High School	1,044	2,304	164	3,512
Cyril Jackson Education Support Centre	700	900	70	1,670
Cue Primary School	*	*	*	-
Dale Christian School	1,679	774	82	2,535
Dalyellup College	1,805	-	80	1,885
Derby District High School	40	420	300	760
Duncraig Senior High School	3,396	17,495	450	21,341
Ellenbrook Christian College	1,760	5,760	50	7,570
Emmanuel Catholic College	5,600	5,310	372	11,282
Esperance Senior High School	1,292	1,904	56	3,252
Fitzroy Valley District High School	3,100	2,632	692	6,424
Geographe Education Support Centre	80	6,168	60	6,308
Goldfields Baptist College	2,800	4,600	182	7,582
Halls Creek District High School	*	*	*	-
Jerramungup District High School	*	*	*	-
John Forrest Secondary College	1,820	4,140	210	6,170
John Septimus Roe Anglican Community School	3,962	3,961	3,961	11,884
Kalbarri District High School	1,528	2,027	24	3,579
Katanning Senior High School	1,190	1,632	82	2,904
Kolbe Catholic College	4,452	8,000	330	12,782
Kununurra District High School	2,880	1,260	512	4,652
Leonora District High School	1,197	1,344	186	2,727
(Mandurah Senior College) John Tonkin College	2,320	1,984	180	4,484
Manjimup Senior High School	1,412	2,824	238	4,474
Meekatharra District High School	*	*	*	-
Mercy College	1,544	5,407	104	7,055
Merredin Senior High School	*	*	*	-
Mirrabooka Education Support Centre	11,891	2,696	500	15,087
Mount Lawley Senior High School	*	*	*	-
Mount Magnet District High School	88	2,304	70	2,462
Mullewa District High School	*	*	*	-
Mundaring Christian College	9,800	7,500	200	17,500
Newton Moore Senior High School	3,808	4,312	75	8,195
Northam Senior High School	3,800	8,640	300	12,740
Onslow School	240	120	10	370
Roleystone District High School	1,500	1,656	300	3,456
Rossmoyne Senior High School	2,990	6,103	510	9,603
SMYL Community College	*	*	*	-
Thornlie Christian College	1,960	1,568	110	3,638
Tjuntjuntjara Remote Community School	20	-	20	40
Wagin District High School	64	72	24	160
Warnbro Community High School	3,128	3,072	208	6,408
Waroona District High School	*	*	*	-
Wongutha CAPS	3,300	10,500	84	13,884
Wyndham District High School	1,300	760	78	2,138
<b>Total</b>	<b>107,718</b>	<b>153,384</b>	<b>12,854</b>	<b>273,955</b>

Note: \* Units have not submitted any hours or report

## Appendix 2 – Unit activities

Bush Ranger unit	Activities, camps and projects	Partners
Albany Secondary Education Support Centre	Keep Australia Beautiful Adopt-a-Spot at Salmon Holes (Torndirrup National Park) and Marine Drive boardwalk	Keep Australia Beautiful Council DEC South Coast Region
	Healthy Waterways project – Torbay Catchment, Undeyup Creek weed eradication and planting and Lake Powell weed eradication	Department of Water
	Mokare Road, Albany project – invasive weed eradication	City of Albany Bushcare and Reserve Unit
	Beach discovery walk – Two Peoples Bay	Kylie Bruning – Marine Discovery West
	Princess Royal Harbour ponds – weed eradication	Department of Water
	Clean Up Australia Day	Clean Up Australia Day Council and Albany Secondary Education Support Centre
	Orientation Camp – Camp Landsdale with Geographe Bush Ranger cadets and leaders	Yanchep National Park Sheree Hepworth – Geographe Bay Bush Ranger cadets Landsdale Farm School
	ANZAC Day Parade, Albany	RSL Albany Sub Branch
	Battery collection and recycling	Cleanaway
	Wellington National Park camp – bush survival and orientation skills	Western Australian Disabled Sports Association
	Wellington National Park – Indigenous experience with DEC rangers	DEC Wellington National Park
	Princess Royal Harbour ponds, Albany – salinity testing and micro invertebrates experiments and collection data	DEC – Ribbons of Blue
	Drill practice	PCYC – Albany
	Printer cartridge recycling	Albany post office
	Bindi Bindi Bike and Bridle Trail – weed eradication and planting of wetland area	Department of Water
	Porongurup National Park – Castle Rock walk and path maintenance	DEC South Coast Region
	Climate Watch survey – initial visit at Cosy Corner, West Cape Howe National Park	Earth Watch – Richard Witherall
	Eco park – litter pick-up	City of Albany Bushcare and Reserve Unit
	Swimming lessons (those aiming for Bronze Medallion)	Albany Leisure and Aquatic Centre
	Creating a bushland path	Little Grove Primary School
	Path maintenance – Windmill Walk	DEC Torndirrup National Park
	Dare adventure camping – team building and development of leadership skills	Dare Adventures



Bush Ranger unit	Activities, camps and projects	Partners
Atwell College	Nanga bush camp – team building	Nanga Bush Camp
	Rogaining, rafting and abseiling Cadets participated in these activities while at Nanga Bush Camp. They tested the cadets' mental and physical limits and helped improve relationships and teamwork with the group	Dwellingup Adventures
	Sustainable environments conference A team of 10 junior cadets went to a two-day conference to learn about team building and the environment. They looked at a number of examples of sustainable environments and then had to develop an action plan to change something in the school to make it more sustainable. They designed a native garden which is in planning to be built next year	Millennium Kids and Hot Rock
	Perth Royal Show The cadets worked at a stall in the land care area at the show building bird and bat boxes. Cadets also helped look after the animals and plants in the DEC area	DEC
	Bush survival course Including survival skills, preventing mishaps and learning the five needs of survival	Bush Wisdom Survival
	Snake awareness course Including first aid for snake bites and care and handling of reptiles	Bush Wisdom Survival
	Sustainability incursion A representative from Hot Rock came to talk to the cadets about sustainability issues and the environment. She also played some team building games and the cadets participated in placemat activities	Hot Rock
	First aid introductory course A very basic first aid course which covered cuts, breaks and CPR	
	Birds of prey A Birds of Prey WA representative brought some different birds of prey into the school and spoke about their individual characteristics and the habitat where you can see them. Cadets were allowed to hold the birds	WA Birds of Prey Centre – Yvonne Sitko

Bush Ranger unit	Activities, camps and projects	Partners
Broome Senior High School	Native tree planting at Broome Senior High School	Shire of Broome
	Setting up worm café in high school garden	Waste Wise Schools program (DEC)
	Establish organic waste collection stations around the high school and establish a roster with Bush Ranger cadets for collection and disposal	Waste Wise Schools program (DEC)
	Shinju Float Parade preparations, including float and costume design	Germanus Kent Aged Care Facility
	Fundraising sausage sizzle at high school on parent-teacher interview night to raise funds for the Broome Senior High School's Boys and Girls Club	Broome Senior High School Boys and Girls Club
	Bush Rangers annual sleepover at Broome Senior High School	Broome Senior High School
	Fundraising car wash for Broome Senior High School Boys and Girls Club	Broome Senior High School Boys and Girls Club
	Bush Rangers logo design for logo competition	DEC, Kimberley Regional Bush Rangers
	'Story of stuff' informative video session – brainstorming proposals for waste management/recycling to 'close the loop'	Waste Wise Schools program (DEC)
	Establish initial waste management systems around the school for battery disposal and collection in collaboration with Shire of Broome	Waste Wise Schools program (DEC) and Shire of Broome Waste Management Facility
	Waste audit	Waste Wise Schools program (DEC)
	Guest speakers – Yawuru rangers and DEC	Yawuru rangers, DEC
	Snake awareness and snake handling workshop	Reptile handler from Malcolm Douglas Wilderness Wildlife Park Dave Mathieson (snake remover for DEC)
	Interactive classroom session with Broome Seagrass	Environs Kimberley
	Clean Up Australia afternoon at Town Beach	Clean Up Australia Tangaroa Blue Ocean Care Society Broome Youth Support Group Roebuck Bay Working Group
	Guest speaker from Conservation Volunteers Australia, with screening of documentary <i>Bag It</i>	Conservation Volunteers Australia

Bush Ranger unit	Activities, camps and projects	Partners
Canning Vale College	Manjedal Camp – team building/introduction to cadets including: general camping skills, drill, low ropes course, navigation and radios, blind trail (team building) and hiking	Manjedal Activity Camp
	Frog pond planning and frog incursion	SERCUL (South East Regional Centre for Urban Landcare)
	Local bushland management – weeding, clearing, searching for orchids	Canning Vale College
	Snake awareness incursion	Bob Cooper Outback Survival
	Yanchep National Park – cadet competencies, team building, conservation work (weeding along lake trail, clearing, moving mulch, data collection for Yanchep National Park ClimateWatch), drill, cooking, bush survival, bushwalking, evacuation simulation and photography	Yanchep National Park (DEC) Gloucester Lodge
	Raptor presentation (part of Yanchep National Park camp)	Raptor Presentations and Perth Raptor Care
	Home life saving course (part Yanchep National Park camp)	Surf Life Saving WA
	Radio practice and phonetic alphabet	Volunteer instructor Ross Cunnew (former Canning Vale College cadet)
	National Tree Day – tree planting at Canning Vale College/ rubbish clearing and weeding	Canning Vale College TLS (Education Support) students Canning Vale College Senior School Engagement Program – STRIDE
	Mundaring Volunteer conservation work: watering planted trees and painting, cadet competencies dieback awareness activity, fire regime activity, bushcraft training, drill, evacuation simulation, cooking, camp skills, mentoring volunteer instructors	DEC (Perth Hills Centre)
	Mornington Adventure Camp Cadet competencies, updating cadet log books, initiative/team building games, drill, orienteering, abseiling, raft building, mid ropes, horseriding. Announcement of 2012 cadet leader	

Bush Ranger unit	Activities, camps and projects	Partners
Carmel Adventist College	Camp – Manjedal (Jarrahdale)	Manjedal Scout Camp Armadale Reptile Centre
	Camp Boshack Outback – including survival activities and first aid	Boshack Outback
	Munda Biddi Trail work	Munda Biddi Foundation
	Rock climbing	The Hangout
	Mediterranean fruit fly trapping data collection	Department of Agriculture and Food
	Maintenance of 'Deadly Ranger Track' at Carmel Adventist College	Carmel Adventist College
	Completion of two worm farms, use of worm farms to recycle organic waste	Carmel Adventist College
	Sustainability activities at Riverside Community School	Carmel Adventist College
	Clean up of verge areas around the college	Carmel Adventist College
	Fungi identification walk	Carmel Adventist College
	Continued development of seed raising area	Carmel Adventist College
	Development of composting facilities	Carmel Adventist College
	Erection of water tank	Carmel Adventist College
	Development of survival kits, survival skills activities	Carmel Adventist College
	'They're calling on you' mobile phone recycling	Perth Zoo
	Karakamia Night Stalk	Australian Wildlife Conservancy

Bush Ranger unit	Activities, camps and projects	Partners
Clarkson Community High School	Educational tour of the waste facility Tamala Park	Tamala Park, Mindarie Regional Council
	Conservation projects at Yanchep National Park	DEC Yanchep National Park
	Planted 200 trees in Mindarie	Shire of Wanneroo
	Adopted a local beach land at Quinns Beach	Coast Care
	School recycling program ongoing throughout the year	SITA
	Developed a large worm farm using a recycled fridge from the recycling plant	Tamala Park, Mindarie Regional Council
	Nurtured three green frogs from the Kimberley	DEC (permit) and West Aussie reptiles (frogs)
	Kings Park art exhibition – students painted pictures depicting the importance that trees play in our environment	Kings Park Festival Poster Exhibition
	Worm shed incursion – worms' role in waste management	The Worm Shed, Chittering Valley
	Rubbish collection along Marmion Avenue	Shire of Wanneroo
	Adopted a local bushland, which included taking care of the area with everything from rubbish collection to tree planting	Shire of Wanneroo
	Reptile incursion	Reptiles by Request
	Camp one – team building and self-esteem enhancing camp at Ern Halliday Recreation Camp: flying fox, the 'big swing', crate climb, team building activities	Department of Sport and Recreation
	Developed and expanded the school garden. Students nurtured and grew vegetables and herbs	Bunnings Mindarie and Butler Fire Brigade
	Students hatched baby chicks and nurtured them and learned about their life cycle	U Can Hatch Us
	Composting schools green waste in the garden	Clarkson Community High School
	Composting incursion	Waste Wise Schools program (DEC)
	Bridgetown Camp School – visited a local farm, horseriding, Pemberton train ride, visited karri forest, team building games.	Department of Education
	Cervantes camping – snorkelling, visited the Pinnacles, team building games.	Cervantes Caravan Park
	Jurien Bay Charter n' Dive – students swam with sea lions	Jurien Bay Charter 'n' Dive
	Mobile Muster competition	Mobile Muster
	AQWA – students learnt about biodiversity and endangered marine life off the coast of Western Australia	AQWA, Hillary's Boat Harbour
	Darklight – end of reward excursion for Bush Ranger cadets	Darklight Joondalup
	Reused all one-sided paper at school by making scribble pads	Clarkson Community High School



Bush Ranger unit	Activities, camps and projects	Partners
Clontarf Aboriginal College	Planting native trees around Clontarf Aboriginal College	Clontarf Aboriginal College Clontarf Management Office City of South Perth
	Clontarf Aboriginal College Anzac Day ceremony	Clontarf Aboriginal College Clontarf Management Office
	Native garden and fruit/vegetable garden project	Clontarf Aboriginal College Clontarf Management Office
	Cleaning Clontarf Aboriginal College Canning River foreshore	Clontarf Aboriginal College Clontarf Management Office City of South Perth
	Weeding and preparing for planting native trees and seedlings around the Canning River and surrounding wetlands	South East Regional Centre for Urban Landcare (SERCUL)
	Recreational fishing/sustainability	Recfishwest
	Overnight camp at Perth Hills Centre, Mundaring. <i>Nearer to Nature</i> 'discovering diversity' and wildlife activities, mountain biking and team building activities	DEC Perth Hills Centre – <i>Nearer to Nature</i> EcoEducation Kanyana Wildlife Rehabilitation Centre
	Overnight camp at Yanchep National Park, conservation activity with DEC Yanchep National Park, caving and Nyoongar cultural experience	Accommodation – Gloucester Lodge DEC Yanchep National Park
	Kalbarri reward camp: four-night camp in Kalbarri including conservation in Kalbarri National Park, abseiling Z-Bend, canoeing on the Murchison River, snorkelling and fishing	Accommodation – Kalbarri Beach Resort DEC Kalbarri National Park Kalbarri Tourist Centre

Bush Ranger unit	Activities, camps and projects	Partners
Coodanup Community College	Adventure Team Builders incursion	Adventure Team Builders
	First aid instruction	Surf Life Saving
	Vanessa Paget incursion	
	Construction and creation of community vegetable garden	Peel Youth Program
	Leadership skills	Fairbridge
	Youthcare peer skills	
	Construction of bird nesting boxes	Peel Zoo
	Busselton camp	Camp Grace

Bush Ranger unit	Activities, camps and projects	Partners
Corrigin District High School	Clean Up Australia Day event	Tidy Town committee – Corrigin
	Joint camp at Dryandra with Katanning Bush Rangers	DEC staff at Barna Mia
	ANZAC day services – school and dawn service	Hannah Hampson Bush Rangers WA (DEC EcoEducation)
	Camp – Manjedal Scout Camp: archery, low ropes, confidence course	Manjedal Scouts Camp
	Tree planting – revegetation of local rubbish tip	Shire of Corrigin
	Plantings at Gorge Rock	
	Camp at Fairbridge – bush survival skills, flying fox, visit to Peel Zoo and Tasmanian Devil program	Staff from Fairbridge Staff from Peel Zoo
	Local bushwalk – spotting orchids and the endangered Corrigin grevillea	
	Camp – Rockingham: visit to Cohunu Koala Park (koala program) and Penguin Island	Staff from Cohunu Wildlife Park, Penguin Island
	Remembrance Day service led by Bush Rangers	

Bush Ranger unit	Activities, camps and projects	Partners
Cyril Jackson Education Support Centre	Planting seedlings in Beckenham swamp	SERCUL
	Adopt-a-Spot (clean-up program)	Eric Singleton Bird Sanctuary
	Native vegetation restoration	Whiteman Park
	Native vegetation restoration	Environment House – Eric Singleton Bird Sanctuary
	School camp	Ern Halliday Recreation (Hillarys)

Bush Ranger unit	Activities, camps and projects	Partners
Dale Christian School	Planting trees at Palomino and Strawberry Drive	Armadale Gosnells Landcare Group
	Responsible parking and security at school fete	P and F (Parents and Friends)
	Camp at Manjedal (Dale Christian School only)	Manjedal Scouts Camp
	Camp at Manjedal (with Thornlie Christian College unit)	Manjedal Scouts Camp
	Survival expert	Bush Wisdom Survival
	Drummerman	Repercussions
	Snakeman	Snakes Harmful and Harmless
	Team building activities	Adventure Team Builders

Bush Ranger unit	Activities, camps and projects	Partners
Dalyellup College	Tour of mine site rehabilitation – Ludlow Forest	North Shore Bemax
	Bushwalk – Crooked Brook Forest	Friends of Crooked Brook
	Big Swamp Bird Park	City of Bunbury
	Kayaking and team building	Dekked Out Adventure
	Reptiles	Armadale Reptile Park

Bush Ranger unit	Activities, camps and projects	Partners
Derby District High School	Iconic species monitoring at four different sites conducted once each term	Kimberley Toad Busters Kimberley Land Council rangers
	Weed eradication – Joon Joo Botanical Trail	Shire of Derby/West Kimberley
	The Gibb River Road Mountain Bike Challenge	Shire of Derby/West Kimberley
	Toad 'busting' and educational, Kununurra	Kununurra Bush Ranger cadets
	Bob Cooper survival camp	Kimberley Toad Busters
	Clean Up the Kimberley Schools Day	Kununurra Bush Ranger cadets Clean Up Australia
	Munkajarra Wetland	Shire of Derby/West Kimberley
	Turtle monitoring, Eco Beach	Conservation Volunteers

Bush Ranger unit	Activities, camps and projects	Partners
Duncraig Senior High School	Perth Hills Centre – exotic weeds, Indigenous culture, bush survival, trail maintenance	DEC Perth Hills Centre
	Tambellup community – planting 3,000 saltbushes, shrubs and trees in salt-affected paddocks	Simpson families
	Bird boxes – 100 bird boxes constructed and installed in homes and bushland	
	Naturaliste Discovery Centre – excursion and educational workshops	
	Shark Bay adventure – environmental work and learning, for example, eradication of wild tobacco, Ocean Farm brushing, environmental studies at Oakabella Homestead, Northampton	
	Darklight laser team challenge	
	Air current and pollution study by using helium balloons to track air currents	
	Local bushland lupin eradication	
	Native garden installation, mulching and maintenance at Duncraig Senior High School – 300 plants involved	
	Point Peron camp – orienteering, coastal studies, macro biology analysis, pollution testing using data loggers, geocaching challenge	
	Gocaching – conducted in venues including Point Peron, Mid West Region and Kings Park – sites logged internationally for Duncraig Senior High School Bush Rangers WA unit	
	Leadership training workshop in Guilderton – 30 cadets looking at core values, roles, actions and strategic planning. Duncraig Senior High School now has a set of agreed core values	
	Grey coastal community	Dr Peter Sheppard

Bush Ranger unit	Activities, camps and projects	Partners
Ellenbrook Christian College	Rock climbing	The Hangout
	Rottnest Island camp and beach clean-up, including cycling, snorkelling, Oliver Hill tour	Rottnest Island Authority
	Woodman Point camp – rock climbing, flying fox, archery, orienteering	Department of Sport and Recreation
	Wellington National Park – night trapping, Aboriginal cultural activity	DEC EcoEducation

Bush Ranger unit	Activities, camps and projects	Partners
Emmanuel Catholic College	Unit reward camp at Kalbarri PCYC – hiking and canoeing tour of river gorges, Murchison River cruise, Mushroom Rock Nature Trail (three-kilometre loop), walk along coastline and visit Rainbow Jungle (parrot breeding centre)	PCYC Camp Kalbarri
	York tree planting camp to assist the Talbot Brook Land Management Association in the planting of 30,000 native tree seedlings along three degraded creek lines within the Shire of York	Talbot Brook Land Management Association
	St John senior first aid conducted by Year 10 Bush Rangers	St John Ambulance
	Assisting DEC with rehabilitation of particular degraded bushland areas within Beeliar Regional Park by planting and watering over 300 native tree species	DEC Regional Parks Branch
	Excursion to Kings Park and Botanic Gardens – conduct Life of Plants education program, germinate native seeds collected from local bushland, plant seedlings throughout school gardens	Botanic Gardens and Parks Authority
	College paper recycling project	Western Recycling
	Participate in World Environment Day celebrations in Perth hills	DEC EcoEducation
	Participate in CHOGM Festival in Perth hills	DEC EcoEducation
	Bush tucker barbecue for whole school to taste-test various native meats and enjoy reptile display. After barbecue the Bush Rangers enjoyed a presentation on reptiles and were able to handle several animals	Roaming Reptile Education
	Create native garden on school grounds. Acquire native plants from Apace WA Fremantle using plant subsidy gained through Cockburn City Council	Apace WA Cockburn City Council (grant)
	Production of sustainable alfresco café incorporating traditional vegetable gardens and aquaponics for use by home economics students	Backyard Aquaponics
	Set up two large-scale worm farms and recycle organic waste from school canteen, staff room and home economics	Boral Brick WA PTY LTD (Sponsorship) The Worm Shed



Bush Ranger unit	Activities, camps and projects	Partners
Esperance Senior High School	Recruit camp – walk trail, observation deck and snorkel trail maintenance on Woody Island	DEC Esperance
	Leadership camp – Thomas River	DEC Esperance
	Tree planting – Sims Street rail bridge	South Coast NRM Cliffs Natural Resources
	Clean Up Australia	
	Bird observation – Lake Windabout	
	Thistle Cove to Lucky Bay coastal walk	DEC Esperance
	Reward camp – Woody Island	DEC Esperance
	Orienteering – Helms Arboretum	

Bush Ranger unit	Activities, camps and projects	Partners
Fitzroy Valley District High School	Fitzroy Valley District High School 'bushies' mural	Fitzroy Valley District High School art teacher Fitzroy Valley District High School gardener
	Garden development and maintenance	Fitzroy Crossing Women's Resource Centre Fitzroy Valley District High School gardener
	Bin painting	Fitzroy Valley District High School art teacher
	Outdoor classroom construction	Fire and Emergency Services Authority (FESA) Fitzroy Valley District High School gardener
	Weeding/gardening	Fitzroy Valley District High School gardener
	Keep Australia Beautiful community clean-up	Shire of Derby/West Kimberley Keep Australia Beautiful Council
	Kununurra toad busting excursion	Kimberley Toad Busters Stop the Toad Foundation DEC Kununurra
	Broome rewards excursion – assist conservation volunteers with turtle monitoring activities at Eco Beach	Conservation Volunteers Australia Eco Beach Resort
	Middle school induction	Fitzroy Crossing Community Pool Tarunda IGA
	The Gibb River Road Mountain Bike Challenge	The Gibb River Road Mountain Bike Challenge administration Other Bush Ranger units
	Bunuba cultural camp	Language teachers Bunuba traditional owners Billilina rangers KALLAC
	Gooniyandi cultural camp	Language teachers Gooniyandi rangers KALLAC
	Giekie Gorge National Park excursions – <i>Passiflora foetida</i> weeding and control, several activities for Bush Ranger modules, Giekie Gorge familiarisation	Giekie Gorge National Park DEC Fitzroy Crossing

Bush Ranger unit	Activities, camps and projects	Partners
Geographe Education Support Centre	Landsdale Farm school camp – Aboriginal cultural experience, work at Yanchep National Park	DEC EcoEducation DEC Yanchep National Park rangers
	Wharncliffe Mill induction camp – biodiversity base, canoeing, caving, learning about bush food along Margaret River	DEC EcoEducation Bush Tucker Tours
	Bibbulmun Track camp – walk Bibbulmun Track, explore history of Greenbushes and surrounding areas	Bibbulmun Track Foundation Greenbushes Discovery Centre
	Cape to Cape camp – completed the Cape to Cape Track from Hamelin Bay to Cape Leeuwin	Friends of the Cape to Cape Stephen Mills (DEC)
	Fundraise money for the Tenderfeet Foundation	Tenderfeet Foundation, Craig Garret
	Biggest Morning Tea	Cancer Council
	Keep Busselton Beautiful Committee	Rod Smith
	West Street Reserve project	GeoCatch
	Geographe Bay sustainability	GeoCatch
	Tree planting	GeoCatch
	Biodiversity wetlands behind Busselton Senior High School	GeoCatch
	Peppies for Possums	GeoCatch
	Work experience plant propagation	Geographe Landcare Nursery

Bush Ranger unit	Activities, camps and projects	Partners
Goldfields Baptist College	Esperance camp Term 1 (three days) – introduction to camp skills, team work, coastal vegetation, coastal walking, water safety	DEC Cape Le Grand National Park Bathers Paradise Caravan Park
	Goongarrie Station camp Term 3 (two days) – building renovation, interpretive signage, weeding, planting, plant identification, desert walk, night stalk	DEC Goldfields
	Esperance camp Term 4 (three days) – reward camp for attendance and participation: included a coastal walk, water activities, fishing, visit to local fish leather factory and a presentation on sustainable fishing	DEC Cape Le Grand National Park Bathers Paradise Caravan Park Mermaid Leather
	Kalgoorlie Arboretum ongoing redevelopment – main weekly project throughout the year; includes weeding, planting, watering, rubbish collection	DEC Goldfields Goldfields Baptist College
	Maintenance of existing native gardens at Goldfields Baptist College – weeding, planting of local species, plant identification, reticulation, team building	Goldfields Baptist College
	Planning of a new native garden in the school car park at Goldfields Baptist College – choosing plants, designing layout, reticulation, mulching, tree planting	Kalgoorlie-Boulder Urban Landcare Group (KBULG)

Bush Ranger unit	Activities, camps and projects	Partners
John Forrest Secondary College	St John first aid	St John Ambulance
	Biking camp – Munda Biddi Trail (two days)	
	Kalgoorlie camp (five days)	
	City of Stirling Recycling Centre	
	Weld Square Primary School – nature reserve maintenance	
	WA Reptile Centre, West Swan – regular maintenance work	
	Guilderton/Moore River camp (three days)	
	Moore River cruise – riverbank restoration	

Bush Ranger unit	Activities, camps and projects	Partners
John Septimus Roe Anglican Community School	Manjadel camp – June weekend	Scouts
	Survival camp – Yanchep weekend	DEC Yanchep National Park
	Extended camp – Rottnest Island (six days)	
	Introduction camp – Ern Halliday (weekend)	Department of Sport and Recreation
	Marmion Marine Park	
	ANZAC Day	
	School family fun day	
	City of Belmont Fair	

Bush Ranger unit	Activities, camps and projects	Partners
Kalbarri District High School	Instructors' conference	DEC Kalbarri
	Perup reward camp	Main Roads Geraldton
	ANZAC marching training	Northern Agricultural Catchments Council
	School ANZAC assembly	
	Town ANZAC parade	
	Lucky Bay camp	
	Galena camp	
	Plant survey – Z Bend	
	Perth camp	
	Tree planting	
	Photographic survey – Natural Bridge	
	Brushing coastal gorges	
	Seed collecting – The Loop	



Bush Ranger unit	Activities, camps and projects	Partners
Katanning Senior High School	Dryandra camp	DEC Narrogin
	Perup camp	DEC Manjimup
	Seed collecting	DEC Katanning
	Nature appreciation	
	Leave No Trace	
	Lake Ewlyamartup work	Landcare
	Macro invertebrate study	DEC
	Wildlife volunteers	
	Night stalk	DEC Katanning
	Carnaby's cockatoo nesting boxes	Landcare

Bush Ranger unit	Activities, camps and projects	Partners
Kolbe Catholic College	Baldivis Children's Forest	Baldivis Children's Forest
	Friends of Point Peron	Friends of Point Peron
	Naragebup Environmental Centre	Naragebup Environmental Centre
	Rockingham foreshore – Adopt-a-Beach/Coast Care	Adopt-a-Beach
	Animal/wildlife rescue experience	Wildlife volunteer
	Fire training	Kwinana South Bush Fire Brigade
	Bush Wisdom Survival	Bush Wisdom Survival
	First aid training	St John Ambulance
	Survival skills training (water) – Aqua Jetty Warnbro	
	Survival skills training (land and fire)	
	Peel Zoo excursion	Peel Zoo
	PCYC Camp Mornington	Camp Mornington
	Peel Zoo – overnight tent camp, volunteer work and night stalk	Peel Zoo
	Wharnccliffe Mill	
	EcoEducation – biodiversity excursion	DEC South West Region
	Jewel Cave – biodiversity excursion	Cave Works
	Blackwood River – biodiversity excursion	Miss Flinders Eco Tours
	Drill training	Kolbe Catholic College

Bush Ranger unit	Activities, camps and projects	Partners
Kununurra District High School	The Gibb River Road Mountain Bike Challenge	Derby Bush Rangers
	DEC pond project	DEC Kununurra
	Horticultural excursion	Oria Orchards
	Bushcraft and survival skills camp	Bob Cooper Outback Survival, Wyndham and Derby Bush Rangers
	Occupational health and safety training	Kununurra District High School building program
	Great Northern Clean Up	Shire of Wyndham/East Kimberley
	Nest box excursion and project	Save the Gouldian Fund, Kununurra District High School design technology staff
	Kimberley Bush Rangers Logo Competition	Waringarri Arts Centre
	Drill training	Norforce Kununurra
	Molly Springs excursion	DEC Kununurra

Bush Ranger unit	Activities, camps and projects	Partners
Leonora District High School	Overnight camp – sawpit, Indigenous artefacts	The following organisations were involved with many of the activities listed:  Shire of Leonora Leonora Police Shire of Leonora Youth Officer
	School clean-up	
	Environmental concerns awareness excursion	
	Carp eradication program – Malcolm Dam	
	Fire safety and preparedness, damper making at Horrens Lake	
	Highway clean-up	
	Indigenous culture – building buris	
	Amazing race camp – team building exercise	
	Malcolm Dam clean-up	
	Abseiling training	
	Wildlife evening trip – Indigenous significance	
	Star gazing and cultural significances	
	Orienteering program – two lessons and one excursion in the bush	

Bush Ranger unit	Activities, camps and projects	Partners
(Mandurah) John Tonkin College	Bronze Medallion lifesaving certificate	Mandurah Aquatic and Recreation Centre
	Rio Tinto – Earth Assist endorsed program CCVFA /monitoring, evaluation and recording of native fauna	Conservation Volunteers Australia
	Camp – Perth Hills Centre	DEC Perth Hills Centre
	Seed collection – Yalgorup National Park	Centre of Excellence for Climate Change and Woodland and Forest Health
	Visit to Rockingham Regional Environmental Centre – sustainability program	Rockingham Regional Environment Centre
	Regular volunteering and activities such as bush survival skills, birds of prey, radical reptiles at Baldvis Children's Forest	Baldvis Children's Forest
	Camp – Dwellingup	Mandurah Senior College
	Rock and water course promoting individual safety, integrity, solidarity, self-control, self-confidence, self-respect	Tony Wong

Bush Ranger unit	Activities, camps and projects	Partners
Manjimup Senior High School	Shannon National Park camp – orientation/induction camp	DEC Manjimup/Pemberton
	Whale watching excursion	Naturalist Whale Watching
	Wharnccliffe eco camp – caving/Cape to Cape	Outdoor Discoveries
	Busselton camp – abseiling, surfing, team building	DEC Busselton Baptist Camp School Yallingup Surf School Laser Skirmishes
	Roadside clean-up (Adopt-a-Road project)	
	Plant nursery/vegetable garden	Keep Australia Beautiful/St Vincent De Paul
	Graduation parking	Local charity groups
	ANZAC service and assemblies	Manjimup Senior High School
	Timber park clean-up	

Bush Ranger unit	Activities, camps and projects	Partners
Meekatharra District High School	Planting gum trees in three local creek catchments	Meekatharra Shire
	Cleaning and maintenance of local cemetery	Meekatharra Shire
	Leadership and teamwork high ropes course	Karalundi Aboriginal Education Centre
	Making fire without using matches	
	Building humpies in the bush – bush cooking, navigating in the bush using a GPS	Liaise with local Aboriginal elder

Bush Ranger unit	Activities, camps and projects	Partners
Mercy College	Dwellingup	Dwellingup Bunkhouses
	Jurien Bay	Camp Apex Jurien
	Margaret River	Eagles Heritage
	Mobile Muster	Mobile Muster Schools Challenge
	Malaga Fauna Rehabilitation Foundation	Kelly/Fauna Rehabilitation Foundation
	Keep Australia Beautiful Adopt-a-Spot	Keep Australia Beautiful Council
	Koondoola regional bushland revegetation	City of Wanneroo

Bush Ranger unit	Activities, camps and projects	Partners
Mirrabooka Education Support Centre	Tree planting in the Cottonwood Reserve	City of Stirling
	Landcare visit	
	Perth Zoo	
	Propagation of plants in school	
	Tree planting at Chittering	Chittering Landcare
	Team building on <i>Leeuwin</i>	
	Waste wise audit	
	Waterwise talks	
	Advanced water recycling treatment plant	Water Corporation
	Lake Leschenaultia camp	
	Dwellingup Dare Adventure	Dwellingup Dare Adventure
	Club Capricorn camp	
	Yanchep National Park	
	Zero Waste Week	
	Cadet marching	
	Windmill Farm camp	
	Arbor Day	
	Landsdale Farm Camp	Landsdale Farm School
	Growing native plant seedlings	
	Making joey bag	
Visit to AQWA		
Battery recycling program		
Class paper recycling		

Bush Ranger unit	Activities, camps and projects	Partners
Mount Magnet District High School	School garden	DEC Exmouth
	Native garden restoration project	DEC Yalgorup National Park (Mandurah)
	Exmouth camp	Forest Edge Recreation Camp
	Waroona camp	
	Town fair	

Bush Ranger unit	Activities, camps and projects	Partners
Mundaring Christian College	Cadet recruit orientation camp	Department of Sport and Recreation, Ern Halliday Recreation Centre
	Marine studies – marine biodiversity	AQWA – Aquarium of WA
	The Great Escape – high ropes challenge course	The Great Escape
	Naturaliste Marine Discovery Centre	Naturaliste Marine Discovery Centre
	Rangers white-water rafting camp	Warriuka Adventure Camping
	Senior rangers adventure and leadership camp – Rottnest Island	Rottnest Island Authority Education Services
	Planning, preparation and planting of native plants in proximity to the school	Mundaring Shire
	Planting, seeding and mulching within Black Cockatoo Reserve	Friends of Black Cockatoo Reserve
	Orienteering	Orienteering WA
	SunSmart awareness module	Cancer Council WA
	Mountain biking – bike care/trails care	George's Bike Shop
	Bring it Down Energy Challenge – winners	Solar City/Western Power
	Survival skills challenges – outdoor education	'Wild Man' Philip Green
	Aboriginal survival skills – incursion	
	Save Water photography competitions	Savewater.com.au
	College community projects: dance stories with environment focus community art projects	Mundaring Christian College
	Inaugural college spring fair charity fundraiser	Mundaring Christian College
	Canoeing and kayaking	Lake Leschenaultia Canoe Hire Mundaring Shire Canoeing Down Under

Bush Ranger unit	Activities, camps and projects	Partners
Newton Moore Senior High Education Support Centre	Beach clean-up – Hastie Street	
	Snorkelling activities	Coastal Water Dive
	Orienteering/activities at Maidens Reserve	
	Rottnest Island camp (beach clean-up/sustainability tour) – leadership	Rottnest Island Authority
	Overnight camps at Hamelin Bay and Stringers camp site, Dwellingup – survival skills	DEC
	Work at Newton Moore Senior High School environmental centre	Science Department Newton Moore Senior High School
	Anzac Day drill	
	Bike safety	
	Senior first aid/Rottnest first aid scenarios	School nurse
	Revegetation – Turkey Point and mangroves	City of Bunbury
	Rubbish collection – The Cut and Tuart Forest Walk	City of Bunbury
	Royal Show – Landcare and Conservation pavillion	DEC



Bush Ranger unit	Activities, camps and projects	Partners
Northam Senior High School	Recruit camp	Unit instructor
	Senior cadet camp to Mt Augustus	DEC
	Storm clean-up	Shire of Northam Home and Community Care program
	Tree planting	Northam Over Sixties
	Tree planting	Shire of Northam
	Tree planting	Rory Curtin
	Tree planting	Avon Valley Environmental Society (AVES)
	Track mulching	AVES, Shire of Northam
	Display booth	Historical, Agricultural and Environmental Festival
	Northam Show	Northam Senior High School
	Perth Royal Show	DEC
	Reward camp	Doreenup Farm, Kojanup Historical Society, Kojanup District High School
	Hike along Kep Track – Northam to Wundowie	

Bush Ranger unit	Activities, camps and projects	Partners
Onslow School	Warroora Station camp	Warroora Station
	Boardwalk seats	Shire of Ashburton

Bush Ranger unit	Activities, camps and projects	Partners
Roleystone District High School	Monitoring area of school grounds for environmental degradation (ongoing project)	Instructor-run project
	Perup environmental centre (four-day camp)	DEC Manjimup
	School cadet educational billboard construction (photos, endangered local animals and years events)	Cadet instructors
	Herbarium construction (both native and introduced species herbaria created). Also involved local plant seed collection	Cadet instructors
	Bushfire ecology presentation	Dr David Ward (former CALM worker and bushfire ecologist)
	Camping skills, outdoors survival and Indigenous Australian tool creation activities	Cadet instructors
	Camp/group cooking sessions (preparation for group camps)	Cadet instructors
	Risk management planning sessions	Cadet instructors
	Local grasstree conservation project (ongoing)	Cadet instructors and Grasstrees Australia
	Dieback course and module completion	Cadet instructors

Bush Ranger unit	Activities, camps and projects	Partners
Rossmoyne Senior High School	Restoration work on Bull Creek behind school	Friends of Bull Creek Catchment
	Creating a worm farm	The Worm Shed, Chittering Valley
	Clean Up Schools day	
	Leadership workshop for section leaders	Unit instructors
	Community service – weeding at Wireless Hill	Friends of Wireless Hill
	Community service – Dance of Science Fair	SERCUL (South East Regional Centre of Urban Landcare of WA)
	Community service – weeding at Murdoch University	Murdoch University Environment Dept
	Perth Hills, Mundaring unit camp	DEC EcoEducation
	Community service – Native Arc	Native Arc Inc
	Community service – Piney Lakes	City of Melville
	Royal Show unit participation	Bush Rangers
	Wharncliffe Mill forest camp	DEC
	Dolphin presentation	Swan River Trust
	Basic first aid for ranger recruits	School nurse
	Senior first aid for senior rangers	St John Ambulance

Bush Ranger unit	Activities, camps and projects	Partners
Thornlie Christian College	Manjedal leadership camp (leadership)	Manjedal Activities Centre (Scouts Australia)
	Manjedal camp with Dale Christian School Bush Rangers unit (community service and leadership)	Manjedal Activities Centre (Scouts Australia)
	Rottnest camp (adventure/conservation)	Rottnest Island Authority education officer Rottnest Island colunteers
	Bush safety, snake awareness and survival skills (handling snakes and snake bite safety)	Bob Cooper Outback Survival
	Spatial Technology in Schools (STiS) project Outdoor learning opportunities Won 'Best Use Of GIS' category in STiS competition	WALIS (Western Australian Land Information System)
	Birds Australia Working safely in the bush Navigation using compasses and GPS Observing biodiversity around the college Planning meals for camp cooking Radio communication protocol using walkie talkies First aid	Unit leader and instructors Birds Australia

Bush Ranger unit	Activities, camps and projects	Partners
Tjuntjuntjara Remote Community School	Developed Code of Conduct – Completed Module 1, sessions 1–3, 5	Pila Nguru Aboriginal Corporation
	Developed and improved the school vegetable garden	Spinifex Health Service
	Salt lakes – traditional names and use of plants Freshwater lakes – migration and conservation of birds Freshwater lakes – water safety with canoe	

Bush Ranger unit	Activities, camps and projects	Partners
Wagin District High School	Rams Park clean-up	Shire of Wagin
	<i>Leeuwin</i> day sea trip	
	Kings Park excursion	
	Zoo excursion	
	School horticulture project	

Bush Ranger unit	Activities, camps and projects	Partners
Warnbro Community High School	Waterwise garden maintenance	Naragebup Environmental Centre
	Leadership camp at Margaret River	DEC EcoEducation Wharnccliffe
	Boranup forest clean-up	Dirty Detours Margaret River
	Point Peron patch – weeding	Naragebup Environmental Centre
	Shoalwater Islands Marine Park paddle/clean-up	Warnbro Community High School
	Environmental awareness project	Point Peron
	Leadership and problem solving day	Yallingup Maze
	Fishing – minimum impact practices/management	Department of Fisheries Exmouth
	Reward camp in Kalbarri	
	Hot Rock sustainability garden	Warnbro Community High School

Bush Ranger unit	Activities, camps and projects	Partners
Wongutha CAPS	Tree planting, fencing and weed control on Wongutha Farm to control erosion	Southern Agricultural Indigenous Lands Service (SAILS)
	Tree planting, fencing and weed control on Highland Park to control salinity	Highland Park
	Fire awareness, safety and fighting fires	Pink Lake Fire Brigade
	Two camps in Cape Le Grand National Park – replaced trail markers, pruned trail vegetation, camp site management, understanding impact of visitors in the park, inspection of local parks, developing relationships with park rangers and campers	Cape Le Grand National Park ranger
	Two camps to Albany to increase understanding of the local environment and ecosystems	Gilcreek Scout Centre
	Camp at the Perth Hills Centre. Workshops on Leave No Trace, team building and learning about impacts of fire on forest ecosystems	Perth Hills Centre (DEC) Lake Leschenaultia Laser Corps/Combat Adventures
	Work experience camp to Lorna Glen former patrol station – animal tracking, monitoring, fence repairs	Lorna Glen former patrol station, DEC Kalgoorlie

Bush Ranger unit	Activities, camps and projects	Partners
Wyndham District High School	Native seedling planting around the school and community oval	National Tree Day – Planet Ark Argyle Motors
	Litter collection around the port/wharf/boat ramps and various sites along the King River	Keep Australia Beautiful Council Adopt-a-Spot Surfrider Foundation – Kimberley
	Nest box assembly	Save the Gouldian Fund
	Cane toad 'busting', data collection and dissection	Kimberley Toad Busters
	'What's in your backyard?' (Kimberley Toad Busters wildlife monitoring program)	Kimberley Toad Busters
	Feral cat removal around school	Shire of Wyndham/East Kimberley
	Weed removal around school and in Mirima National Park	DEC Kununurra office
	Multi-day hike along the Parry Creek road	WA Police – Wyndham
	School rubbish audit	Waste Wise Schools program (DEC)
	Orienteering at Three Mile Valley	
	Bush Rangers – the Kimberley Logo Competition	DEC Bush Rangers coordinator
	Birdwatching around the school and at Parry Lagoons Nature Reserve (Ramsar-listed)	DEC Kununurra office
	Survival workshop with Bob Cooper	Bob Cooper Outback Survival DEC Kununurra office Kununurra District High School and Derby District High School units
	Introductory first aid course	St John Ambulance Wyndham Sub Centre
	Tour of the Rio Tinto Argyle Diamond Mine	Argyle Diamond Mine
	Doon Doon cultural event (corroboree)	Dawul Remote Community School
	Canyoning trip (Andy's Chasm)	Go Wild Adventures





**BUSH  
RANGERS**  
WESTERN AUSTRALIA

# ANNUAL REPORT 2011



Top left: Mercy cadet getting up close and personal with raptors. Top right: Canning Vale cadets on a sensory trail. Bottom left: Esperance cadets. Bottom right: Carmel cadets learning about Indigenous culture.