

Ecoplan News

Issue 11 Spring 1994

System 6 under review

System 6 is to be up-dated. Gary Whisson, Department of Environmental Protection Urban Conservation manager, said both Part 1 and Part 2 would be up-dated.

"We will review both the general recommendation and the specific area-based recommendations of the earlier work," Gary said.

"We will focus mainly on the coastal plain as the area under most intensive development pressure.

"The work will follow the public comment and public involvement process of the other systems reports.

"This comprehensive review with extensive public consultation is expected to take about two and a half years to complete."

The original System 6 work was done in the early 80s — the Green Book for public comment was released in April 1981 and the Red Book in October 1983.

Gary said the work had already started on the up-date, with a botanical team set up in the department to look at the floristics of existing System 6 areas. The team was made up of Bronwen Keighery, Jeni Alford and Natalie Thorning.

Much of their work would focus on extending the coverage of the floristic survey of the southern Swan Coastal Plain completed in July this year*. The work would provide a major part of the up-dated information base used to review the representativeness of the System 6 recommendations.

* Gibson, N, Keighery, BJ, Keighery, GJ, Gurbidge, AH and Lyons, MN (1994) A Floristic survey of the southern Swan Coastal Plain, unpublished report for the Australian Heritage Commission prepared by Department of Conservation and Land Management and the Conservation Council of Western Australia (Inc.).



Bronwen Keighery (right) and Jeni Alford in the field.



Wandoo woodland at Pearce (M15).



Ecoplan update

— with Margo O'Byrne and Jill Harris, EPA community involvement co-ordinators



On a very cold Saturday at the end of July the first regional forum for the south east region was held at the Armadale Settlers Common Field Study Centre.

The forum was attended by members of the Armadale Settlers' Common group, Armadale City River Care, Friends of Brixton Street, Crestwood Bushland Restoration Group, Friends of River Canning Environment, Canning River Regional Park Volunteer Guide, Friends of Mary Carroll Park and Bungendore Park management committee.

The day provided an opportunity for members of different groups to exchange ideas on things such as how to get more community members interested in bushland, what kind of signs to erect, how to work with local government and different techniques for removing weeds.

The group also heard from Brian Peddie about how to use community arts to involve people in local bushland. Brian

gave people vision and told them how to attract new people into their areas. He said people who wouldn't normally get out into the bush would come to an artistic event. These could be arranged to coincide with special events in the bush, such as the first flowers of spring and the arrival of migratory birds.

A workshop on writing submissions was held at the Naturalists' Hall. Garry Middle from the Department of Environmental Protection spoke about submissions made to government departments, such as for environmental impact assessments, and Margo O'Byrne talked about submissions to funding agencies for grants. Sixteen people attended and generally felt that the information presented was most helpful.

On National Landcare Day (September 2) several activities were held to draw public attention to weeds. These included a weed walk at Gosnells,

weeding activities at Quinns Rock, Hudman Road Reserve in Boya and Baigup Reserve in Bayswater. There were many positive outcomes from these activities, including a new member for Friends of Ellis Brook and three new members for the Hudman Road Reserve Group. Staff from the DEP worked, through an extended lunch-break, in Kings Park alongside members of the friends group. They were removing peppermints (*Agonis flexuosa*) from a heavily infested site and have decided to adopt an area of the park.

Jeni Alford ran a plant identification course in Bold Park on Sunday 11 September. Thirteen people attended and learnt some basics of plant identification, including the main characteristics of the major families. Participants were also introduced to a range of useful books on the subject and had a chance to practice their ID skills using them. Jeni said she thought the most useful sort of plant identification training that she could offer people would be to go out to their patches and help set up a quadrat and identify the major plants there. If

your group is interested in taking up this offer contact Jeni Alford or Jill Harris at the DEP.

As a follow-on from the plant ID course, a visit to the WA Herbarium will be held at 4pm on Wednesday 26 October. It will be a general introduction to the work of the herbarium staff and how to use the herbarium. If you are interested, contact Jill.

On the subject of training, there will be another series of introductory Ecoplan training sessions held in October-November. The training runs over four consecutive Saturday mornings (22 and 29 October, 5 and 12 November). If you or someone you know wants to do the training contact the Jill or Margo on 222 7000.

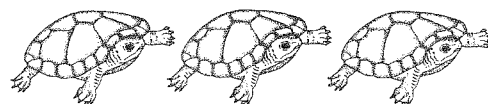


Bob Crowe from DEP getting stuck into the Peppermints at Kings Park.

Changes Changes

There have been a few staff changes in the DEP's Urban Conservation Branch to allow for the work on the System 6 up-date. Jeni Alford will no longer be working on Ecoplan. For the remainder of her time with the department, Jeni will be working with Bronwen Keighery on the floristics of System 6 areas. Bronwen has joined the department on a short term contract specifically to do this floristic work. Natalie Thorning, who is on voluntary work experience with the department, will also be working on the project. Bronwen, Jeni and Natalie can all be contacted on 222 7058, although they will be spending most of their time out in the field.

Jillian Harris has come back into the branch to work with Margo on Ecoplan. Jillian, who normally works in the department's environmental education section, will be known to some Ecoplan volunteers as she filled in when Margo was away last year. As well as Ecoplan, Jillian will be working on some publications about urban bushland management and weeds. She will be in the office full time on 222 7051. Margo will continue to work half time and will be in the office in the latter part of the week. She can be reached on 222 7054.



System 6 in Wanneroo

A study of the status of key conservation areas in Wanneroo has recently been completed.

David Wake from the Coalition for Wanneroo's Environment did the study as a major project to finish his degree in Population, Resources and Technology at Murdoch University. The Coalition for Wanneroo's Environment received funding for the project, which covered research expenses and publication of a report and brochure to be based on the project report. David expects the publications to be out in the next few months.

In the review, David studied the 12 System 6 areas in the City of Wanneroo. He said those areas form the core of conservation and open space proposals for Wanneroo, but

that implementation of System 6 recommendations had been problematic.

David said the issues in Wanneroo were the same as the issues in urban conservation elsewhere in metropolitan Perth. They included failure to acquire and reserve areas for conservation, absence of management strategies to retain conservation values on private land, lack of a management framework for regional parks and lack of commitment to protecting areas.

The study concluded that a review of urban conservation in the Perth metropolitan region was needed.

For more information on the study contact David Wake on 305 1591.

Watsonia under control

The seemingly impossible has been achieved in Darlington — watsonia is under control in the area.

Although not completely eradicated, the plant is not reproducing — there are fewer plants every year. The hard work in getting the weed under control has been done by the Darlington Rate-payers and Residents Association and the Eastern Hills Branch of the Wildflower Society. The aim of the control programme is to allow the natural understorey to regenerate.

Peter Day, who led the charge against watsonia in Darlington is happy to share his experience and expertise with others keen on controlling the weed. If watsonia is a problem in your patch and you want some advice, ring Peter on 299 6649. A publication on how to control Watsonia is available from the Eastern Hills Branch of the Wildflower Society.

New environmental group formed

The Roleystone Dieback Group has been formed. The group is looking at the eradication and control of dieback in the Darling Scarp. In particular, the new group is making a series of tree injectors to help save some of the affected jarrah trees. Congratulations on starting your new group and all the best with the hard slog ahead.

Wungong Gorge

More than 450 people walked the Wungong Gorge on a glorious spring day. This once-a-year event opened the Wungong for all to enjoy. The five-kilometre walk was followed by earth games, canoeing and music from Shebeen. The weather and wildflowers combined to create a magical day. The Armadale Recreation and Earth Discovery Scheme received an award from the Healthy Hearts Foundation for best recreation programme in WA and was highly commended at the national awards. Thanks to the Bedforddale Volunteer Fire Brigade and all those who made it a great day.

Star Swamp

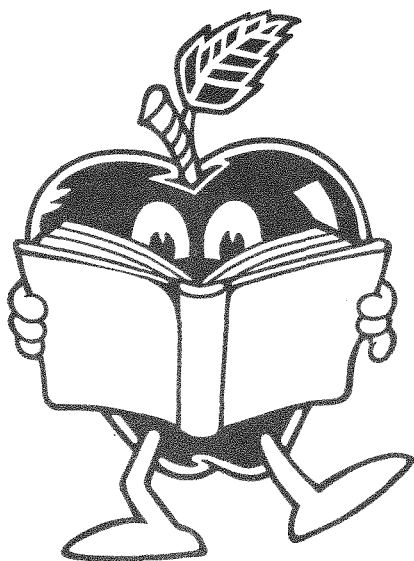
The story of saving the Star Swamp Bushland has been recorded in a resource book, edited by Anne Bloeman and Joan Petroboni, and titled *Reserving Star Swamp Bushland: A case study in community action*. This book is based on the actual documents, letters and press clippings that were written during the campaign to save the reserve. It includes copies of all available documents. The book will be available for \$20 from either the City of Stirling or Friends of Star Swamp Bushland from early November.

Book Review

Landcare — communities shaping the land and the future.

This new book by Andrew Campbell, with case studies by Greg Siepen, begins with a sobering introduction to the state of the world's environment, particularly agricultural areas. From there it moves on to a detailed analysis of the landcare movement in Australia.

As *Landcare* says — "Imagine one-third of all families involved in voluntary conservation groups — think of the possibilities for constructive environmental change." This is exactly what is happening in rural Australia. *Landcare* contains a wealth of information



on the experiences of landcare groups across Australia. Although principally about the experiences of rural Australian landcare groups, the book also goes into detail on what makes community groups work. From this perspective it will be useful to Ecoplan groups.

Ecoplan has recently bought a copy of *Landcare* for its small library. It is available for loan to Ecoplan

volunteers, as are several other useful books on bush regeneration, plant identification and group facilitation. Ring Margo or Jill for details.



Regional reports



South West Region

from Co-ordinator Carina Calzoni

Friends of Woodman Point

Over the past few months the Friends of Woodman Point has been investigating funding opportunities for bush regeneration projects. One option we looked at was approaching local industry for support. This whole exercise has been quite an experience.

Many people will already be aware of the current issue relating to Cockburn Cement's plans to dredge a 50 hectare area of Success Bank, just off Woodman Point, which will remove seagrass communities in the area.

Earlier this year a group called the Coastal Waters Alliance was formed because of concern about the continuing removal of seagrass meadows in Perth's metropolitan waters. The Friends of Woodman Point was asked to join the Coastal Waters Alliance. At the time we were unsure of all the issues and decided to investigate further before committing ourselves.

At the same time we were looking for funding and approached Cockburn Cement, which showed keen interest in the group. Two representatives came out to have a look at our efforts so far and to discuss ways they could offer us support. Although we could see benefits in having financial support from Cockburn Cement, group members were concerned that such support may be inconsistent with the group's philosophy.

We decided to use our Annual General Meeting as a forum to discuss the issue and give our members the opportunity to be involved in the decision. We invited two speakers to address the seagrass issue: Pieter Tencate from Cockburn Cement and Bob Slight from the Coastal Waters Alliance.

After hearing both sides, group members felt they couldn't support dredging the seagrass. Cockburn Cement's support was not accepted and the group decided to join the Coastal Waters Alliance.

At the AGM we also discussed the proposal of setting up a nursery with the Department of Sport and Recreation rangers. The Friends of Woodman Point will collect seeds from the Rottneest Island pine and tuarts around the reserve. The rangers will propagate the seeds then, in the following season, the group will help plant the seedlings. A seed collecting day is planned for

Sunday 9 October (9.30am — 12.30pm). Those interested in participating should meet at the ranger's office in the picnic area at the end of Nygerbup Close.

On Sunday 11 September we had our spring walk with Robert Powell. It was a lovely sunny day for a nice relaxing walk. Robert's knowledge of the plants and their communities made the walk very interesting. First he led the group of 17 through the eastern part of the reserve. The army cleared the understorey in this part several years ago but it is now beginning to regenerate. Robert also showed us an area where Rottneest Island cyprus is beginning to regenerate after a fire there three years ago. This was pleasing to see.

Along the walk Robert pointed out many of the weed species that had found their way into the reserve. Without a doubt, bridal creeper is the biggest threat. In some areas it is the only understorey — quite a frightening sight! Apart from this, it was an enjoyable day, as I'm sure all the participants would agree.

If you want to know more about the Friends of Woodman Point or any of the events mentioned call either Carina Calzoni on 339 6205 or Ben Carr on 339 2300 (W) or 335 4635 (H). We'd love to hear from you.

North West Region

from Co-ordinator Fay Mumme

Friends of Yellagonga Regional Park (Inc)

After a tricky start, due to a mix-up with our room booking, our guest speaker on frogs proved interesting. Dr Mike Bamford used slides and live exhibits to illustrate his subject matter. Mike successfully aimed his talk at both children and adults and generated lots of interesting discussion.

A public display at the park was mounted in June at the Women's Health and Art Exhibition, which was the culmination of a project co-ordinated by the Joondalup Community Foundation (Inc) and Trust.

This display resulted in a follow-up talk to the Granny Spiers' Community House Friendship Group in Heathridge. The women, some of whom live near the boundary of the park thought Yellagonga was further north near Yanchep somewhere! The much needed signage to inform the public about its location can't come too soon.

Moves are being made by CALM to form

the Community Advisory Committee which they hope will be operating in a couple of months.

The group has continued with its weeding programme, which received a boost recently due to funding from Wanneroo City Council.

The AGM was held on 29 September at Landsdale Farm School. Matthew Williams from the WA Insect Study Society was the guest speaker.

Friends of Marmion Marine Park

This group holds monthly meetings which consist of alternate library evenings, with specimen identification, and guest speaker nights.

In July, Mark Dyson presented and narrated a 60-minute video on the whale sharks at Exmouth. The video, which was produced by fellow divers, contained very sharp shots that were taken 20 to 30 metres away from the sharks — indicating the excellent visibility in Exmouth waters. The vast variety of sea life under the Exmouth jetty was also recorded.

In September, Phyllis Robertson spoke on her ocean voyage to Antarctica.

At the last (monthly) beach walk held by the group, many types of marine flotsam and jetsam were discovered and identified. Differences between Bryozoan organisms and sponges were discussed and lots of rubbish picked up.

Are you interested in feeding and helping to research turtles? Twelve research animals at Hillarys Marina are in need of volunteers' assistance. Tasks include weighing and measuring. Contact Dee Webb on 307 6346.

Coming events for members include a \$50 Rottneest weekend at Kingstown on the March 1995 long weekend. The public is invited to attend a beach walk in October and a kiddies touch pool in November (see Events Calendar). John Dowzard welcomes members along on his boat for regular diving and snorkelling trips in the park.

More details about the friends group can be sought from John Dowzard on 247 2053.

Friends of Star Swamp Bushland Reserve

The Star Swamp Bushland is always a blaze of colour over the spring months, with patches of orchids scattered throughout but especially in the south-western corner of the reserve. People attending the monthly walks (fourth



Saturday) have seen many of the more than 200 flower species that grow in the reserve.

This year Star Swamp has again become home to a pair of nesting swans and it is hoped that this pair will be able to raise their cygnets without interference. A firmer policy on controlling dogs in the vicinity of the swamp is being introduced as last year unleashed dogs killed the swans nesting there.

For more information contact Christine Curry on 447 2983.

Quinns Rock Environmental Group (Inc.)

The group is working on a conservation proposal for bushland in the Quinns Rock townsite. There are significant bush areas of public open space, like the park off Starrs Road, in Gumblossom Reserve and near the caravan park. We have the opportunity to keep these areas to retain some of our local bush, provide wildlife habitat, contribute to the character of the town and offer places to explore and enjoy nature.

We are also working on a regeneration plan for the bushland off Mindarie Drive and Starrs Road. This could address the management objective for the area, minimising disturbance, controlling weeds and rehabilitating degraded edges. We are keen to involve local residents in looking after the site. A workshop to discuss the plan will be held on October 12.

Contact David Wake 305 1591, Miguel or Teresa Castillo 305 1045

Central Region

from Miles Hitchcock

Bayswater Greenwork

Bayswater Greenwork has reached the final list for the John Tonkin Greening Awards in two categories: The community groups category and the bushland conservation category. Both nominations are for the work done at Garratt Road, including negotiating the management plan for the area with the Department of Planning and Urban Development and the local councils, bush regeneration and tree planting.

The group recently received a grant from the National Landcare Programme to hold public education seminars on Baigup Wetlands.

On National Landcare Day, Michael MacShane led a weed walk and talk at Baigup for a small group of people. The event provided an opportunity for people to see the work Bayswater Greenwork has done in removing a huge area of pampas grass — about one hectare of

the noxious weed has been successfully cleared. Michael has established a trial site for different rates of herbicide to work out the most effective way of eliminating pampas grass. The group hopes to get rid of the rest of the pampas grass at Baigup this summer.

For more information contact Linda Taman on 370 1213

South East Region

from Co-ordinator Brett Tizard

Armadale Settlers' Common

The Armadale Settlers' Common has recently announced a photography and art competition to mark the centenary of the City of Armadale. With spring promising to display the wonder of wildflowers, now is a good time for both primary and secondary students to start clicking, painting or sketching the splendour of spring. Entries close on 3 December. Winners will be announced during the centenary celebrations.

The Armadale District's Science Network visited the Armadale Settlers' Common Field Study Centre and spoke about using this piece of urban bushland for environmental education. After a brief introduction to the reserve, the gallant band made good use of a sunny day and meandered along one of the walk trails. An enjoyable and informative afternoon was had by all.

The Armadale LETS group held a busy bee at the Armadale Settlers' Common to help build the network of paths in the wildflower gardens. The gardens form part of the Field Study Centre and the paths will provide access for wheelchairs and those not able to get into the bush. Thanks to all those who helped on the day and created 18 metres of paving.

The Armadale Settlers' Common will be holding a series of guided walks through the reserve to mark the release of new walk trail brochures. The walks will be held on 8 and 22 October at 10am and 2pm. Everyone is welcome. Phone Brett Tizard on 497 4038 for further details. The brochures will be distributed to the usual outlets, including the DEP, local libraries, tourist centres and so on.

Hills Region

from Co-ordinator Robert Watkinson-Slough

Regional co-ordinators know they have at their disposal an enormous amount of support from EcoPlan. Co-ordinators only have to exercise their imaginations to produce ideas that can return optimum to a whole lot of people who felt powerless as they watched the bush seemingly relegated to a neglected place in our

West Australian society.

This has been the experience of the 22 people who just finished the first Hills APACE Bush Regeneration Course, initiated by EcoPlan and benevolently supported by the Eastern Hills Wildflower Society through a Save The Bush grant.

Next, Sue Bernie (Eastern Hills Wildflower Society) will take some of these people on a practical experience over several weeks to learn about native seed collecting, cleaning and propagating and establishing seedlings back into the wild.

Brett Tizard (Armadale Settlers' Common) is holding a Management Plan Field Day on 19 November (see advertisement) to see first-hand how problems in a conservation area were dealt with in a management plan.

Hudman Reserve, Boya

Leonie Campbell and Jan Pitman have started collecting for the reserve's herbarium.

National Landcare Day was celebrated at the reserve and a plan was hatched to regenerate a lookout area above the quarries. Leonie, Brian Crute, Twinks and the Joyces are regularly working to control the cancerous watsonia and freesias, following the Bradley method of bush regeneration.

Strettle Road, Glen Forrest

Work was done recently to remove Canary Island Broom Bush and Mt Morgan wattles, both environmental weeds there. Robyn Rudeforth obtained a grant from EcoPlan to attend the Greening Australia Conference in October 1994 and will be working on a project for the reserve inspired by the conference.

Parkerville Groups

Brian Marshall thanks the APACE course participants for the huge kick-start they gave to rehabilitating and area around the Parkerville Primary School.

Max Hoare is taking a leadership role in another part of the Parkerville area.

Bushland and community groups

A position paper is now being developed by the Mundaring Shire Community Environment Advisory Body. This paper will provide advice to the shire on how to encourage and facilitate the community to look after local bushland.

Congratulations!

Congratulations to Brett Tizard on becoming a finalist in the individual category of the John Tonkin Greening Awards and in the Young Achiever Award. Well done Brett!



Coming events calendar



OCTOBER

Saturday 8	8.00am	Friends of Trigg Bushland	Monthly nature walk. Meet at Elliot Road, Trigg.
Saturday 8	10.00am	Armadale Settlers' Common	Guided walk. For details phone Brett Tixard on 497 4038.
Saturday 8	2.00pm	Armadale Settlers' Common	Guided walk. For details phone Brett Tizard on 497 4038.
Sunday 9	9.30am	Friends of Marmion Marine Park	Beach walk. Meet at North Beach Jetty, Castle Street and West Coast Drive, North Beach.
Sunday 9	9.30am — 12.30pm	Woodman Point	Seed collecting. Those interested in participating should meet at the ranger's office in the picnic area at the end of Nygerbup Close.
Sunday 9 — Thursday 13			Catchments, Coasts and Corridors teachers' professional development programme. For details phone Boyd Wykes on 384 5469.
Tuesday 11	8.00pm	Friends of Marmion Marine Park	Members and visitors night, Mt Flora Conference Room, Elvire Street, Waterman.
Saturday 15	8.00am	Friends of Lake Gwelup	Monthly nature walk. Meet at Scout Hall, Huntriss Street, Gwelup.
Saturday 22	9.15am	Ecoplan introductory training.	Week 1. Naturalists' Club Hall, Nedlands. Phone Margo or Jill on 222 7000.
Saturday 22	8.00am	Friends of Star Swamp Bushland	Monthly nature walk. Meet corner of Castle and Hope streets, North Beach.
Saturday 22	10.00am	Armadale Settlers' Common	Guided walk. For details phone Brett Tizard on 497 4038.
Saturday 22	2.00pm	Armadale Settlers' Common	Guided walk. For details phone Brett Tizard on 497 4038.
Wednesday 26	4.00pm		Visit to WA Herbarium for Ecoplan volunteers. For details phone Jillian Harris on 222 7051.
Friday 28 and Saturday 29	7.00—9.00 pm	Go Bush Activity	Caring for you bush block, (Run by Ecoplan and CALM Go Bush) at The Hills Forest (CALM). For details of this and other CALM Go Bush activities phone Paula on 295 2244.
Saturday 29	10.00am—4.00pm		
Saturday 29	9.30am	Ecoplan introductory training.	Week 2. Naturalists' Club Hall, Nedlands. Phone Margo or Jill on 222 7000.

NOVEMBER

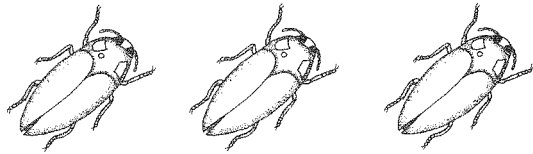
Saturday 5	9.30am	Ecoplan introductory training.	Week 3. Naturalists' Club Hall, Nedlands. Phone Margo or Jill on 222 7000.
Saturday 12	9.30am	Ecoplan introductory training.	Week 4. Naturalists' Club Hall, Nedlands. Phone Margo or Jill on 222 7000.
Wednesday 16	7.30pm	Friends of Star Swamp	General meeting and guest speaker, Mr Flora Conference Room, Elvire Street, Waterman.
Saturday 19		Management Plan	Management plan in action field trip — Ecoplan Hills region (and others) visit to Armadale Settlers' Common. Details available from Robert Watkinson-Slough on 572 1489 (H) or Jill Harris on 222 7051.
Friday 25	7.30pm	Friends of Star Swamp	Nocturnal Walk. Meet at Groat Street Carpark, North Beach.
Saturday 26	8.00am	Friends of Start Swamp	Monthly nature walk. Meet on the grassed area, Hope Street, North Beach.

DECEMBER

Saturday 3		Entries close	Entries close for Armadale Settlers' Comon photography and art competition.
Friday 16		Ecoplan Deadline	Ecoplan News (summer edition) deadline. Copy to Jillian Harris, Department of Environmental Protection, 141 St George's Terrace, PERTH WA 6000. Fax 322 1598



Crawling around Perth's bushland



Perth's urban bushland is literally crawling with unknown species, according to research underway at the WA Museum.

A team from the WA Museum is studying the invertebrate fauna, especially the ground fauna, at a few sites throughout the metropolitan area. It is the first time this work has been done and it is turning up some interesting results.

Dr Mark Harvey, Curator of Arachnids at the WA Museum, said they had found several spider genera and families not previously recorded in South-West Australia.

Mark said most of the species they were finding were probably unnamed species, although at this stage they did not have details as a lot of the sorting and identification was yet to be done.

"With most invertebrates, the species aren't known. Often we are

doing well to know the genera," Mark said.

"There are thousands of species of spiders, so it's hard to know them all."

The work is funded by the Heritage Council of WA under a National Estate Grant. It is being done by Dr Mark Harvey, Dr Ric How, John Dell and Julianne Waldock.

Mark said sampling would be done over three years and an extra year would be used to analyse the data. Currently the group was working on the first year's data.

The study should provide a picture of what is around and the effect fragmentation of the bushland is having on those species.

"It is too early to say exactly how many species there are," Mark said.

"The diversity is very high — there are probably several thousand species."



*Huntsman spider — one of the more familiar spiders found on the Swan Coastal Plain.
Photo by Douglas Elford, Courtesy WA Museum.*



Ecoplan contacts

□ Contact numbers:

Ecoplan community involvement co-ordinator

Margo O'Byrne ☎ 222 7054

Jill Harris ☎ 222 7051

Conservation Council of WA

Urban Bushland co-ordinator

Joan Payne ☎ 397 6380

WA Conservation Council

79 Stirling Street

PERTH ☎ 220 0652

Environment Centre of WA

587 Wellington Street

PERTH ☎ 321 5942

Greening Western Australia

1118 Hay Street

WEST PERTH ☎ 481 2144

APACE

1 Joanna Street

NORTH FREMANTLE ☎ 336 1262

Volunteer Centre of WA

79 Stirling Street

PERTH ☎ 220 0676

Community Skills Training Centre

227 Stubbs Terrace

SHENTON PARK 6008

□ Ecoplan community contacts:

South-East Region

Brett Tizard ☎ 497 4038

Central-South Region

Carina Calzoni ☎ 339 6205

North-West Region

Fay Mumme ☎ 401 2678

Central Region

Linda Taman ☎ 370 1213 (w)

Eastern Hills Region

Robert Watkinson-Slough ☎ 572 1489

Catchments, corridors and coasts

A special professional development programme on teaching for the environment is being organised by the Australian Association for Environmental Education.

Catchments, corridors and coasts is a one week programme that aims to introduce teachers to:

- ◆ local environmental issues;
- ◆ sound environmental education principles;
- ◆ the smorgasboard of environmental programmes and resources available in WA;

- ◆ the unifying concepts of landcare and sustainability that can help bring these programmes and resources together for students;
- ◆ the links between these environmental education opportunities and the school curriculum, at all levels and subject areas; and
- ◆ the links with the Student Outcome Statements of which trials are being run in some schools.

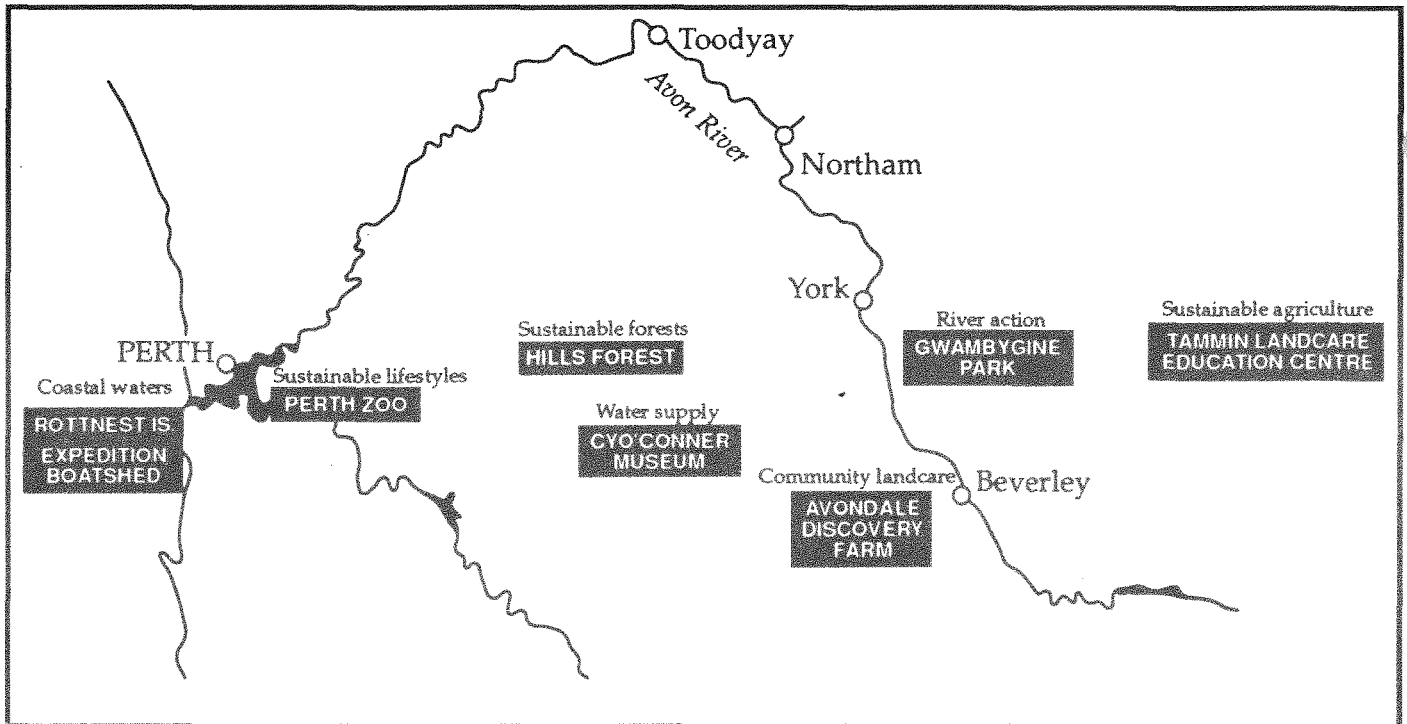
The first course will run from Sunday 9 to Thursday 13 October 1994. A second course will be run from

Monday 16 to Friday 20 January 1995. More courses may be run later.

Although it is aimed at practising teachers, there may be some space in the first course for other interested people.

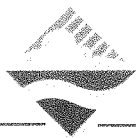
The course has been developed through a National Professional Development Programme grant, so the first two courses will only be \$150.

For more details contact the course co-ordinator Boyd Wykes (work hours 384 5469, fax 383 1702).



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