

THREATENED SPECIES AND/OR COMMUNITIES RECOVERY TEAM

PROGRAM INFORMATION

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| Recovery Team | Moora District Threatened Flora and Communities Recovery Team |
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| Reporting Period | Calendar year 2011 |
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Current membership

| Member | | Representing |
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| 1 Chair | Benson Todd | DEC Moora District |
| 2 Exec Officer | Niall Sheehy | Conservation Officer Flora, DEC Moora District |
| 3 | Leonie Monks/Rebecca Dillon | DEC, Science Division |
| 4 | Andrew Crawford | DEC, Threatened Flora Seed Centre |
| 5 | Andrew Brown | DEC, Species and Communities Branch |
| 6 | Monica Hunter/Wendy Chow | DEC, Species and Communities Branch |
| 7 | Rep Rotating | Dandaragan Regional Herbarium |
| 8 | Rep Rotating | Jurien Bay Regional Herbarium |
| 9 | Nigel Rowe/Anna Southerland | Main Roads WA |
| 10 | Alannah Sinden | Downer |
| 11 | Allan Tinker | Community Representative, Shires of Irwin and Carnamah |
| 12 | Malcolm Pumphrey | LGA Representative, Shire of Carnamah |
| 13 | Don and Joy Williams | Community Representative, Shire of Coorow |
| 14 | Kelvin Bean | LGA Representative, Shire of Coorow |
| 15 | Vacant | LGA Representative, Shire of Dandaragan |
| 16 | John Greay | LGA Representative, Shire of Moora |
| 17 | Jenny Borger | Community Representative, Shire of Three Springs |
| 18 | Charles Strahan | LGA Representative, Shire of Three Springs |
| 19 | Bruce Eldridge/John Stevens | WestNet Rail |

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| 20 | Fiona Falconer | DEC, Land for Wildlife |
| Dates meetings were held | Nil. Two meetings were called in 2011, however due to poor invitation acceptance no meetings were held. | |
| One to two paragraph summary of achievements | The focus in 2011 was the maintenance/monitoring of four translocations (<i>Acacia aprica</i> , <i>A.cochlocarpa</i> subsp. <i>cochlocarpa</i> , <i>Grevillea calliantha</i> and <i>G.humifusa</i>) funded by state NRM, and monitoring and survey of critically endangered species in the district. | |
| List of actions undertaken by Recovery Team members | | |
| <p>1. DRF Monitoring and Survey Populations of the following DRF species were monitored in 2011 <i>Acacia aprica</i>, <i>A. denticulosa</i>, <i>A. splendens</i>, <i>A. vassalii</i>, <i>Andersonia gracilis</i>, <i>Banksia fuscobractea</i>, <i>Chorizema humile</i>, <i>Darwinia polychroma</i>, <i>Daviesia bursarioides</i>, <i>D. speciosa</i>, <i>Eremophila glabra</i> subsp <i>chlorella</i>, <i>Eleocharis keigheryii</i>, <i>Eucalyptus absita</i>, <i>E. balanites</i>, <i>E. crispata</i>, <i>E. dolorosa</i>, <i>E. rhodantha</i> subsp. <i>rhodantha</i>, <i>Gastrolobium appressum</i>, <i>Grevillea batrachioides</i>, <i>G. bracteosa</i> subsp. <i>bracteosa</i>, <i>G calliantha</i>, <i>G humifusa</i>, <i>Hemiandra gardneri</i>, <i>Hensmania chapmanii</i>, <i>Jacksonia pungens</i>, <i>Eucalyptus crispata</i>, <i>Paracaleana dixonii</i>, <i>Spirogardneri rubescens</i>, <i>Synaphea quartzitica</i>, <i>Thelymitra stellata</i> and <i>Verticordia albida</i>. A new population of what may be <i>Eucalyptus pruiniramis</i> was found and has yet to be inspected and identified and also a new population of <i>Jacksonia pungens</i> has been located on Bell Road but is yet to be checked and monitored.</p> <p>Included in the above list were a number of new populations i.e. <i>Darwinia polychroma</i> (13), <i>Acacia vassalii</i> (3), <i>Daviesia bursarioides</i> (1), <i>Acacia aprica</i> (1), <i>Chorizema humile</i> (2), <i>Thelymitra stellata</i> (1 possibly 3), <i>Paracaleana dixonii</i> (1 in Lesueur and ~12 Origin Redback Seismic Survey) and <i>Andersonia gracilis</i> (2)</p> <p>2. Priority Flora Survey Priority flora surveys in 2011 focused on firebreaks on DEC estate prior to upgrading. Numerous data have also been collected on DRF/priority species by mining and exploration companies operating in the Moora District, these data are provided to DEC (Species and Communities Branch) as per licensing conditions and this is considered outside of the scope of the Recovery Team.</p> <p>3. Threatened Ecological Community (TEC) Recovery New occurrences of the Endangered Coomberdale Chert TEC have been mapped and included in the Threatened Ecological Communities Database. The Interim Recovery Plan has been revised and updated and is in final draft. A number of occurrences were visited by Niall Sheehy (District officer), Jill Pryde and Monica Hunter from Species and Communities Branch and included liaison and discussion with landholders and managers about the threats and conservation value of the TEC. Other works conducted included the replacement of old fencing and the fencing of a new occurrence. The fencing was funded by DEC's Specific Nature Conservation Project.</p> <p>Weed control works have continued at Lake Thetis (stromatolite community) with a focus on <i>Juncus acutus</i> in disturbed areas. Work has also continued to rehabilitate disturbed areas around Lake Thetis, through rubbish removal and track closures. Drafting of an Interim Recovery Plan for the Stromatolite Community of Lake Thetis has also been undertaken by Species and Communities Branch.</p> <p>4. Seed and Propagule Collection In 2011 seed collection was aimed at <i>Grevillea batrachioides</i> as a result of the translocated population being destroyed by bushfire. 208 seeds were collected over November/December from 38 plants.</p> <p>In December 2011 seed was collected from <i>Jacksonia pungens</i> populations on The Midlands Road. The seed collection was undertaken by district staff with assistance from Land for Wildlife Officer Fiona Falconer. An opportunistic collection of <i>Acacia denticulosa</i> was also obtained during an inspection of "Moochamulla" private property near Woodbine road.</p> <p>Together with Andrew Crawford from the Threatened Flora Seed Centre seed was collected from <i>Grevillea calliantha</i> and <i>Eucalyptus dolorosa</i>.</p> <p>5. Translocation The Moora District's translocation program was again a focus of recovery efforts in 2011, with infill planting</p> | | |

of *Acacia cochlocarpa* subsp. *cochlocarpa* seedlings at Gunyidi NR and *Acacia aprica* at a private property location to increase the numbers of plants in the translocations that were established in 2010.

Translocated populations of *Grevillia calliantha* (Minyulo NR), *G humifusa* (Hill River NR) and *G. batrachioides* (Lesueur NP) will be infilled with extra seedlings in May 2012 along with the *Verticordia albida* translocation on private property near Three Springs with the assistance of funding provided from State NRM. The maintenance and monitoring of these and existing translocation in the Moora District was also undertaken in 2011.

6. Threat Abatement

Four enclosed 10 X 10 m quadrats were established within the area that *Eremophila glabra* subsp. *chlorella* had occurred before a wildfire in Nov. 2011 destroyed all living plants. These were put in place in order to protect any seedlings or regeneration from grazing by rabbits/kangaroos or trampling by animals.

7. Liaison With Land Managers

Liaison has been undertaken with staff from Main Roads WA, Western Power, WestNet Rail, John Holland Group, Downer, NACC Jurien Bay Herbarium Group, various mining companies, private landholders and employees of the Shires of Dandaragan, Three Springs, Moora, Carnamah and Coorow in order to assist these land managers in the conservation of threatened flora and TECs on the lands they manage and through environmental impact assessment processes.

8. Research

Research has continued into the disturbance response of *Grevillea batrachioides*, the research was in the form of a population census and design of a fire response trial. This trial, although approved was not implemented due to the loss of the *Grevillea batrachioides* translocation in a bushfire. The disturbance trial has now been put on hold until the translocation can be re-established in 2012. The translocation in Lesueur NP has yielded 43 seedlings after the area was disturbed by a bushfire in 2011. These seedlings were watered and monitored in the first months of 2012 with a success rate of 95% of plants surviving their first summer.