



**THREATENED SPECIES AND/OR COMMUNITIES RECOVERY TEAM**

**PROGRAM INFORMATION**

|   |                                |   |
|---|--------------------------------|---|
| <b>Recovery Team name</b>               | Warren Region Threatened Flora |   |
| <b>Reporting Period (Calendar Year)</b> | Calendar year 2007             |   |
| <b>Current membership</b>               |                                |   |
|   | <b>Member</b>                  | <b>Representing</b>                         |
| <b>1. Chair</b>                         | <b>Brad Barton</b>             | DEC Warren                                  |
| <b>2. EXEC OFFICER</b>                  |                                |   |
| <b>3.</b>                               | <b>Roger Hearn</b>             | DEC Warren                                  |
| <b>4</b>                                | <b>Ian Wilson</b>              | DEC Donnelly                                |
| <b>5</b>                                | <b>Karlene Bain</b>            | DEC Frankland                               |
| <b>6</b>                                | <b>Terry Mcfarlane</b>         | DEC Science                                 |
| <b>7</b>                                | <b>Ray Cranfield</b>           | DEC Science                                 |
| <b>8</b>                                | <b>Lachie McCaw</b>            | DEC Science                                 |
| <b>9</b>                                | <b>Andrew Brown</b>            | DEC Species and Communities                 |
| <b>10</b>                               | -                              | DEC Species and Communities                 |
| <b>11</b>                               | <b>Nikki Rouse</b>             | DEC Frankland Flora Officer                 |
| <b>12</b>                               | <b>Jo Smith</b>                | DEC Donnelly Flora Officer                  |
| <b>13</b>                               | <b>Ted Middleton</b>           | DEC Frankland                               |
| <b>14</b>                               | <b>Lee Fontanini</b>           | Southern Forest Landcare                    |
| <b>15</b>                               | <b>Pat Dundas</b>              | Community                                   |
| <b>16</b>                               | <b>Mavis Sowry</b>             | Walpole Nornalup National Parks Association |
| <b>17</b>                               | <b>Anne Sepkus</b>             | Northcliffe Wildflower Society              |
| <b>18</b>                               | <b>Jenny Dewing</b>            | Blackwood Environment Centre                |
| <b>Dates meetings were held</b>         | No meeting was held in 2007    |   |

|   |  |
|---|--|
| <p><b>One to two paragraph summary of achievements suitable for <i>WATSNU</i></b></p>     | <p>A significant amount of work was undertaken on survey and monitoring of threatened flora in the Warren Region (See District Reports attached).</p> <p>Interim Recovery Plans have been are or are in the process of being finalised for 8 species (<i>Cryptandra congesta</i>, <i>Laxmannia grandiflora</i>, <i>Verticordia apecta</i>, <i>Grevillea acropogon</i>, <i>Andersonia annelsii</i>, <i>Rhacocarpus rehmannianus</i>, <i>Caladenia winfieldii</i>, <i>Grevillea fuscolutea</i>).</p> <p>“Southwest coastal grassland” dominated by <i>Austrostipa flavescens</i>, <i>Poa porphyroclados</i> and <i>Desmocladus flexuosus</i>’ was presented to the Threatened Ecological Community Scientific Committee (TECSC) meeting in November 2007. The committee recommended that the community be recommended to the Minister for environment as ‘Vulnerable.’</p> |
| <p><b>List of actions undertaken by Recovery Team (from actions in Recovery Plan)</b></p> | <p>See District Reports below.</p>   |

**Frankland District Flora Report 2007**

**DRF**

| Species   |    | Number Populations in district | Populations Surveyed Dec 06-present | Comments   |
|---|----|--------------------------------|-------------------------------------|--|
| <i>Asplenium obtusatum</i> ssp. <i>northlandicum</i>    | V  | 3                              | 2                                   | Extremely inaccessible populations on Chatham Island monitored in 06/07  |
| <i>Banksia verticillata</i>                             | V  | 7                              | 2                                   | Seeding project at population 15 – project report available  |
| <i>Caladenia christineae</i>                            | E  | 7                              | 2                                   |  |
| <i>Caladenia harringtoniae</i>                          | V  | 9                              | 5                                   |  |
| <i>Conostylis misera</i>                                | V  | 1                              | 1                                   | Population not relocated from old florabase record   |
| <i>Cryptandra congesta</i>                              |    | 8                              | 8                                   | Full biological survey complete, nominated and moved from P2 to DRF in Jan 2008<br>Draft IRP Completed – awaiting sign off from region and SCB |
| <i>Diuris drummondii</i>                                | V  | 9                              | -                                   |  |
| <i>Drakaea micrantha</i>                                | E  | 17                             | 5                                   | Number of populations unconfirmed, or confirmation questionable and require re-locating and specimens  |
| <i>Grevillea fuscolutea</i>                             |    | 8                              | 8                                   | Full biological survey complete, nominated and moved from P2 to DRF in Jan 2008<br>Draft IRP Completed – awaiting sign off from region and SCB |
| <i>Kennedia glabrata</i>                                | V  | 14                             | 12                                  |  |
| <i>Laxmannia grandiflora</i> subsp. <i>brendae</i>      |    | 6                              | -                                   | Draft IRP Completed – awaiting sign off from region and SCB  |
| <i>Meziella trifida</i>                                 | V  | 15                             | 13                                  |  |
| <i>Microtis globula</i>                                 | V  | 4                              | 3                                   |  |
| <i>Rhacocarpus rehmannianus</i> var. <i>webbianus</i>   | CR | 2                              | 2                                   | Draft IRP Completed – awaiting sign off from region and SCB  |
| <i>Reedia spathacea</i>                                 |    | 15                             | 5                                   | Review of Draft IRP required<br>See notes re: Reedia fire response project below   |
| <i>Sphenotoma drummondii</i>                            | E  | 2                              | -                                   |  |
| <i>Verticordia apecta</i>                               | CR | 1                              | -                                   | Draft IRP Completed – awaiting sign off from region and SCB  |
| <i>Verticordia fimbriolepis</i> subsp. <i>australis</i> | E  | 1                              | -                                   |  |
| <i>Epiblema grandiflorum</i> var. <i>cyaneum</i>        |    | 1                              | 1                                   | Walpole population no longer considered var. <i>cyaneum</i> - removed from district threatened flora list                                      |

PRIORITY 1

| Species   | Number Populations in district | Populations Surveyed in Dec 06-present | Comments  |
|---|--------------------------------|--|---|
| <i>Andersonia jamesii</i>                             | 1                              | 1                                      |   |
| <i>Andersonia redolens</i>                            | 10                             | 1                                      |   |
| <i>Caladenia evanescens</i>                           | 1                              | -                                      |   |
| <i>Eriochilus scaber</i> ssp. <i>orbifolia</i>        | 3                              | 3                                      | No plants found at any populations, suggest re-surveying next spring after burn.  |
| <i>Pentapogon quadrifidus</i> var. <i>quadrifidus</i> | 3                              | 1                                      | Surveyed by T. McFarlane and R. Hearn   |
| <i>Rulingia apella</i>                                | 3                              | -                                      | All Florabase populations   |
| <i>Sphaerolobium benetectum</i>                       | 5                              | 2                                      | All Florabase populations. 1 population has been located; the 2 Mt Lindesay populations were not relocated despite survey effort. |
| <i>Tetratheca</i> sp. Kent River                      | 3                              | -                                      |   |

PRIORITY 2

| Species   | No. Populations in district | Populations Surveyed in Dec 06-present | Comments  |
|---|-----------------------------|--|---|
| <i>Andersonia hammersleyana</i>                           | 16                          | 2                                      |   |
| <i>Andersonia virolens</i>                                | 6                           | -                                      |   |
| <i>Anthocercis sylvicola</i>                              | 7                           | 6                                      |   |
| <i>Aotus franklandii</i>                                  | 2                           | -                                      | Florabase populations only.   |
| <i>Apodasmia ceramophila</i>                              | 4                           | -                                      |   |
| <i>Borya longiscapa</i>                                   | 27                          | 21                                     | Highly endemic to Mt Lindesay area. Recent surveys have shown a dramatic decline in the size and health of populations - consider moving to DRF.        |
| <i>Caladenia abbreviata</i>                               | 3                           | -                                      |   |
| <i>Caladenia starteorum</i>                               | 1                           | -                                      |   |
| <i>Calothamnus</i> sp. Mt Lindesay                        | 3                           | 2                                      |   |
| <i>Chamaexeros longicaulis</i>                            | 10                          | -                                      |   |
| <i>Chamelaucium floriferum</i> ssp. <i>diffusum</i>       | 15                          | 3                                      | Specimens required for all <i>Chamelaucium</i> populations to determine correct identity. Some populations likely to be currently filed as wrong subsp. |
| <i>Chamelaucium forrestii</i> ssp. <i>forrestii</i>       | 19                          | 1                                      | Specimens required for all <i>Chamelaucium</i> populations to determine correct identity. Some populations likely to be currently filed as wrong subsp. |
| <i>Daviesia mesophylla</i>                                | 3                           | -                                      |   |
| <i>Diuris heberlei</i>                                    | 1                           | -                                      |   |
| <i>Drepanocladus aduncus</i>                              | 2                           | 2                                      |   |
| <i>Drosera binata</i>                                     | 4                           | -                                      |   |
| <i>Euphrasia scabra</i>                                   | -                           | -                                      | No know populations in Frankland district, look for this species when at Wambellup.   |
| <i>Gastrolobium ferrugineum</i>                           | 1                           | -                                      |   |
| <i>Gastrolobium</i> sp. East Peak                         | 3                           | -                                      |   |
| <i>Hybanthus volubilis</i>                                | 2                           | -                                      | Florabase populations only.   |
| <i>Juncus meianthus</i>                                   | 1                           | -                                      |   |
| <i>Kunzea micrantha</i> ssp. <i>hirtiflora</i>            | 1                           | -                                      |   |
| <i>Leptinella drummondii</i>                              | 1                           | -                                      | Florabase populations only.   |
| <i>Melaleuca ordinifolia</i>                              | 1                           | 1                                      | No plants found, so no known plants in Frankland district   |
| <i>Rorippa dictyosperma</i>                               | 4                           | -                                      | Unable to relocate any of the Florabase populations, despite surveys in 2005/06   |
| <i>Schizaea rupestris</i>                                 | 4                           | 1                                      |   |
| <i>Selliera radicans</i>                                  | 5                           | 5                                      |   |
| <i>Sphagnum novozelandicum</i>                            | 1                           | -                                      | Previously <i>Sphagnum molliculum</i>   |
| <i>Spyridium riparium</i>                                 | 7                           | 5                                      |   |
| <i>Thomasia quercifolia</i>                               | 3                           | -                                      |   |
| <i>Verticordia endlicheriana</i> var. <i>angustifolia</i> | 16                          | 5                                      |   |
| <i>Wurmbea</i> sp. Cranbrook                              | 1                           | -                                      | Florabase populations only.   |
| <i>Warnstorfia fluitans</i>                               | 1                           | 1                                      |   |

**Donnelly District Report 2007  
DRF**

| Species                                  |    | Number Populations in district | Populations Surveyed Dec 06-present | Comments   |
|--|----|--------------------------------|-------------------------------------|--|
| Andersonia annelsii                      | CR | 1                              | 1                                   | Population monitored 2006 and 2007. 3 - 1m X 1m monitoring plots set up in 2006 at each of the 3 sites to determine first time to flowering. Draft IRP Completed – awaiting sign off from region and SCB   |
| Caladenia christineae                    | E  | 28                             | 20                                  | 2 new populations found.   |
| Caladenia dorrienii                      | E  | 9                              | 4                                   | No plants found at one of the populations. 1 unconfirmed population was confirmed as having unsuitable habitat and no plants found.  |
| Caladenia harringtoniae                  | V  | 26                             | 16                                  | 7 populations require verification.  |
| Caladenia winfieldii                     | E  | 3                              | 3                                   | 3 new plants found. Exclusion fence is to be repositioned further to the west to include a number of plants found outside the enclosure  |
| Diuris drummondii                        | V  | 25                             | 6                                   | 6 populations require verification.  |
| Grevillea acropogon                      | CR | 1                              | 1                                   | Population monitored 2006 & 2007. A full survey undertaken, nominated and uplisted from P2 to DRF. Draft IRP completed – awaiting sign-off from region & SCB. Recovery actions undertaken include liaison with Dept of Water and PP stake-holders, collecting seed and lodged at TSSC and construction of exclusion fence and new PP boundary fence. |
| Kennedia glabrata                        | V  | 3                              | 2                                   | Seed collected and lodged at TSSC  |
| Meziella trifida                         | V  | 38                             | 31                                  | 14 new populations found in Donnelly District since 2006. 6 populations to be verified in Jangardup area. Draft IRP Completed – awaiting sign off from region and SCB  |
| Reedia spathacea                         | E  | 1                              | 1                                   | Estimated - a full survey is required to determine the extent of population.   |
| Rhacocarpus rehmannianus var. webbianus  | CR | 1                              | 1                                   | Draft IRP Completed – awaiting sign off from region and SCB  |
| Verticordia densifolia var. pendunculata | E  | 2                              | 2                                   | Survey conducted 2 man-days to relocate populations. No plants found.  |
|  |    |                                |                                     |  |

PRIORITY 1

| Species   | Number Populations in district | Populations Surveyed in Dec 06-present | Comments  |
|---|--------------------------------|--|---|
| <i>Austrofestuca littoralis</i>                       | 3                              | 3                                      | All Florabase populations. 2 man-days survey 2006 at Yeagerup. No plants found.   |
| <i>Bossiaea</i> sp "Frankland"                        | 2                              | 1                                      | 1 Population surveyed by R. Hearn.  |
| <i>Carex tereticaulis</i>                             | 2                              | -                                      |   |
| <i>Cryptandra arbutiflora</i> var. <i>pygmaea</i>     | 5                              | 2                                      | Flora base populations. Population at Galamup NR surveyed – unable to relocate population. Search in known habitat - no plants found. |
| <i>Deyeuxia inaequalis</i>                            | 3                              | 1                                      | All Florabase populations. Population at Dingup surveyed. No plants found. Possibly displaced by Montpelier Broom.                    |
| <i>Pentapogon quadrifidus</i> var. <i>quadrifidus</i> | 1                              | 1                                      | 1 population occurs on boundary of Donnelly and Frankland districts. Surveyed by T. McFarlane and R. Hearn                            |
| <i>Rulingia apella</i>                                | 3                              | -                                      | All Florabase populations.  |
| <i>Scaevola ballajupensis</i>                         | 1                              | 1                                      | Surveyed by J. Smith, C. Dornan & J. Dewing   |

PRIORITY 2

| Species   | No. Populations in district | Populations Surveyed in Dec 06-present | Comments  |
|---|-----------------------------|--|---|
| <i>Acacia oncinophylla</i> ssp <i>patulifolia</i>         | 4                           | 2                                      | 2 new populations   |
| <i>Apodasmia</i> <i>ceramophila</i>                       | 8                           | 2                                      | All Florabase populations   |
| <i>Caladenia</i> <i>erythrochila</i>                      | 2                           | 1                                      | Keninup population surveyed. No plants found  |
| <i>Caladenia</i> <i>lodgeana</i>                          | 1                           | -                                      |   |
| <i>Caladenia</i> <i>luteola</i>                           | 3                           | 1                                      | Keninup population surveyed. No plants found  |
| <i>Caladenia</i> <i>starteorum</i>                        | 3                           | 1                                      |   |
| <i>Cardamine</i> <i>paucijuga</i>                         | 1                           | -                                      | Florabase population  |
| <i>Chamelaucium</i> <i>forrestii</i> ssp <i>forrestii</i> | 1                           | -                                      | Florabase population  |
| <i>Chordifex</i> <i>jacksonii</i>                         | 4                           | 2                                      |   |
| <i>Degelia</i> <i>flabellata</i>                          | 1                           | -                                      |   |
| <i>Diuris</i> <i>heberlei</i>                             | 2                           | -                                      | Florabase populations   |
| <i>Drosera</i> <i>binata</i>                              | 1                           | -                                      |   |
| <i>Euphrasia</i> <i>scabra</i>                            | 6                           | 2                                      |   |
| <i>Gratiola</i> <i>pedunculata</i>                        | 2                           | -                                      | New species on Donnelly District list as per R. Hearn email 13-3-2008   |
| <i>Trithuria</i> <i>australis</i>                         | 1                           | -                                      |   |
| <i>Kunzea</i> <i>micrantha</i> ssp. <i>hirtiflora</i>     | 10                          | 6                                      | 5 new populations. Other occurrences to be verified and recorded south-east of Byenup Lagoon. Post disturbance monitoring plots established Muir Hwy, Lake Muir NR in 2006. |
| <i>Leptinella</i> <i>drummondii</i>                       | 2                           | -                                      | Both Florabase populations.   |
| <i>Lilaeopsis</i> <i>polyantha</i>                        | 3                           | -                                      | All Florabase populations.  |
| <i>Melaleuca</i> <i>pritzelii</i>                         | 1                           | -                                      |   |
| <i>Pimelea</i> <i>cracens</i> ssp <i>glabra</i>           | 8                           | 1                                      | 1 new population. 4 Florabase records require verification  |
| <i>Rorippa</i> <i>dictyosperma</i>                        | 1                           | 1                                      | This is a new population. Voucher collected by L. Fontanini. Population requires a full survey  |
| <i>Schoenus</i> <i>fluitans</i>                           | 2                           | -                                      | Both Florabase populations.   |
| <i>Wurmbea</i> sp. <i>Cranbrook</i>                       | 8                           | -                                      | A population has been sighted in PP east of Wingebellup Rd south of Chariup   |
|   |                             |  |   |