

**Appendix 1**  
**Additional information**  
**sources for**  
**environmental factors**



### *Landforms and soils*

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**Appendix 2  
Other flora of  
conservation  
significance**



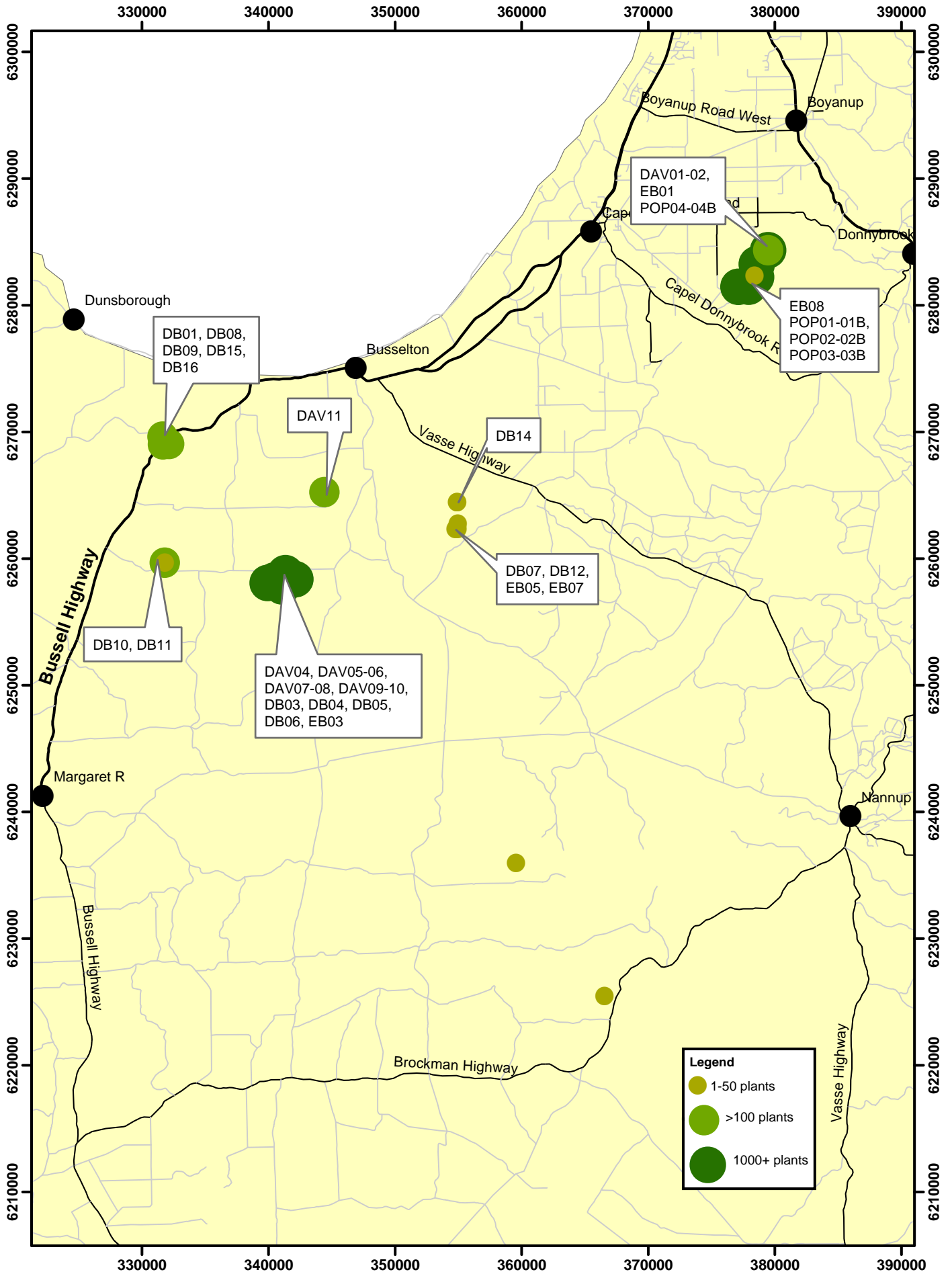
**Appendix 2, Table 1 Significant flora species that occur within the proposal area, Whicher Scarp and the wider region**

| Species  | Reason for significance  | Local distribution                | Distribution within the Whicher Scarp                  | Regional distribution  |
|--|--|-----------------------------------|--|--|
| <i>Acacia browniana</i><br>var. <i>browniana</i>             | Northern range-end of the Gwindinup Reserve on the Whicher Scarp   | SVT2, 3, 8                        | Gwindinup Reserve                                      | SW: ESP, JF, SWA, WAR.   |
| <i>Acacia mooreana</i>                                       | Northern range-end of the Dardanup Reserve on the Whicher Scarp  | SVT 14                            | Dardanup   | SW: JF, SWA, WAR.  |
| <i>Adenanthos barbiger</i>                                   | Recently recognised taxa; northern range-end; taxa with regional preference for Whicher Scarp and distributed well south of the Scarp                | SVT2, 3, 4, 5, 6, 7, 8, 9, 13, 14 | Dardanup   | SW: JF, SWA, WAR.  |
| <i>Agonis flexuosa</i><br>var. <i>flexuosa</i>               | Restricted distribution; uncommon in the area; distinct habitat preference   | SVT3                              |  | SW: ESP, GS, JF, SWA, WAR.   |
| <i>Allocasuarina thuyoides</i>                               | Populations disjunct from their natural range; restricted distribution; uncommon in the area;  | SVT4                              |  | ER: COO; SW: AW, ESP, GS, JF, MAL, SWA.  |
| <i>Banksia armata</i><br>var. <i>armata</i>                  | Populations disjunct from their natural range; restricted distribution; uncommon in the area; distinct habitat preference                            | SVT13                             |  | SW: AW, ESP, GS, JF, MAL, SWA, WAR.  |
| <i>Banksia sphaerocarpa</i><br>var. <i>sphaerocarpa</i>      | Northern range-end; populations disjunct from their known geographic range   | SVT4                              | Abba vegetation complex on the Whicher Scarp           | SW: AW, ESP, GS, JF, MAL, SWA, WAR.  |
| <i>Calytrix fraseri</i>                                      | Populations disjunct from their known geographic range; uncommon in the area; distinct habitat preference  | SVT3, 14                          |  | SW: AW, GS, JF, MAL, SWA.  |
| <i>Cheilanthes austrotenuifolia</i>                          | Populations disjunct from their known geographic range; poorly reserved; uncommon in the area; distinct habitat preference                           | SVT1, 3, 5, 8, 14                 |  | N: NK, OVP; ER: CAR, COO, CR, GAS, GD, GSD, MUR, PIL, YAL; SW: AW, ESP, GS, JF, MAL, SWA, WAR. |
| <i>Craspedia variabilis</i>                                  | Populations disjunct from their known geographic range; uncommon in the area   | SVT2                              |  | SW: AW, ESP, JF, SWA, WAR.   |
| <i>Cyathochaeta avenacea</i>                                 | Morphological and genetic variant  | SVT3                              |  | SW: ESP, GS, JF, SWA, WAR.   |
| <i>Dampiera linearis</i>                                     | Morphological and genetic variant  | SVT2, 5, 8, 10, 14                |  | ER: COO; SW: AW, ESP, GS, JF, MAL, SWA, WAR.   |
| <i>Darwinia vestita</i>                                      | North-western range-end; poorly reserved; uncommon in the area   | SVT11                             | Dardanup and extends well south from the Whicher Scarp | SW: AW, ESP, JF, MAL, SWA, WAR.  |
| <i>Dasypogon hookeri</i>                                     | Northern range-end; distinct habitat preference; relictual species   | SVT2, 3, 7, 8, 10, 11, 14         | Boyanup, Argyle  | SW: JF, SWA, WAR.  |
| <i>Daviesia divaricata</i><br>subsp. <i>divaricata</i><br>MS | Populations disjunct from their known geographic range; uncommon in the area; distinct habitat preference  | SVT8, 6                           |  | SW: AW, GS, JF, SWA  |
| <i>Daviesia nudiflora</i><br>subsp. <i>nudiflora</i>         | Southern range-end; Populations disjunct from their known geographic range; uncommon in the area; distinct habitat preference; morphological variant | SVT2, 8, 12, 14                   | Argyle   | ER: COO; SW: AW, ESP, GS, JF, MAL, SWA   |

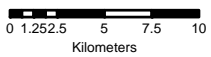
| Species   | Reason for significance  | Local distribution                | Distribution within the Whicher Scarp        | Regional distribution                                 |
|---|--|-----------------------------------|--|---|
| <i>Eremaea pauciflora</i> var. <i>pauciflora</i>        | Populations disjunct from their known geographic range; uncommon in the area; distinct habitat preference  | SVT2, 3, 6, 14                    |  | ER: COO; SW: AW, ESP, GS, JF, MAL, SWA                |
| <i>Hakea cyclocarpa</i>                                 | Significant populations in reference to the Whicher Scarp; distinct habitat preference   | SVT1, 8, 9, 14                    |  | SW: JF, SWA, WAR                                      |
| <i>Hakea stenocarpa</i>                                 | Populations disjunct from their known geographic range; uncommon in the area; significant populations in reference to the Whicher Scarp  | SVT11                             |  | SW: AW, GS, JF, SWA                                   |
| <i>Hibbertia acerosa</i>                                | Populations disjunct from their known geographic range; uncommon in the area; significant populations in reference to the Whicher Scarp  | SVT1, 5, 7, 8, 9, 12, 14          |  | SW: AR, ESP, GS, JF, MAL, SWA, WAR                    |
| <i>Hibbertia huegelii</i>                               | Southern range-end; populations disjunct from their known geographic range; uncommon in the area; significant populations in reference to the Whicher Scarp  | SVT1, 2, 4, 5, 6, 7, 8, 11, 14    | West Whicher Scarp                           | SW: AW, GS, JF, SWA                                   |
| <i>Hibbertia lasiopus</i>                               | Northern range-end; populations disjunct from their known geographic range; uncommon in the area; significant populations in reference to the Whicher Scarp; poorly reserved   | SVT7, SVT14                       | Argyle                                       | SW: AF, JF, SWA                                       |
| <i>Hibbertia mylnei</i>                                 | Populations disjunct from their known geographic range; uncommon in the area; significant populations in reference to the Whicher Scarp  | SVT14                             |  | SW: AW, GS, JF, SWA                                   |
| <i>Hyalosperma demissum</i>                             | Southern range-end; populations disjunct from their known geographic range; uncommon in the area; significant populations in reference to the Whicher Scarp  | SVT1                              | Abba vegetation complex on the Whicher Scarp | ER: COO, GAS, MUR, YAL; SW: AW, ESP, GS, JF, MAL, SWA |
| <i>Hypolaena exsulca</i>                                | Endemic to the Whicher Scarp; morphological variant  | SVT1, 2, 3, 4, 5, 6, 7, 8, 11, 14 |  | SW: AW, ESP, GS, JF, NAL, SWA, WAR                    |
| <i>Johnsonia acaulis</i>                                | Significant populations in reference to the Whicher Scarp; distinct habitat preference; morphological variant  | SVT4, 5, 6                        |  | SW: ESP, JF, MAL, SWA, WAR                            |
| <i>Johnsonia lupulina</i>                               | Distinct habitat preference; endemic taxa that extends well south of the Whicher Scarp   | SVT9, 14                          |  | SW: EASP, JF, SWA, WAR                                |
| <i>Lambertia multiflora</i> var. <i>darlingensis</i>    | Southern range-end; disjunct from their known geographic range; poorly reserved; significant populations in reference to the Whicher Scarp; distinct habitat preference  | SVT13                             | Abba vegetation complex on the Whicher Scarp | SW: JF, SWA   |
| <i>Lomandra sparteae</i>                                | Southern range-end; disjunct from their known geographic range; significant populations in reference to the Whicher Scarp; distinct habitat preference; uncommon in the area   | SVT2, 8, 9                        |  | SW: AW, JF, SWA                                       |
| <i>Lomandra whicherensis</i>                            | Recently recognised taxa; southern range-end; poorly reserved; disjunct from their known geographic range; significant populations in reference to the Whicher Scarp; distinct habitat preference; uncommon in the area; relictual species | SVT8, 9                           |  | SW: GS, JF, SWA                                       |
| <i>Paragonis grandiflora</i> MS                         | Southern range-end; significant populations in reference to the Whicher Scarp  | SVT8, 9, 13                       |  | SW: GS, JF, SWA                                       |
| <i>Patersonia occidentalis</i> var. <i>angustifolia</i> | Recently recognised taxa; distinct habitat preference; endemic taxa that extends well south of the Whicher Scarp; significant populations in reference to the Whicher Scarp; uncommon to the area  | SVT8, 9                           |  | SW: JF, SWA, WAR                                      |

| <b>Species</b>   | <b>Reason for significance</b>   | <b>Local distribution</b> | <b>Distribution within the Whicher Scarp</b> | <b>Regional distribution</b> |
|--|--|---------------------------|--|------------------------------|
| <i>Patersonia umbrosa</i> var. <i>umbrosa</i>                          | Northern range-end; populations disjunct from their known geographic range; uncommon in the area; significant populations in reference to the Whicher Scarp; distinct habitat preference; endemic to the Blackwood Plateau | SVT3, 4, 11, 14           | Gwindinup                                    | SW:ESP, JF, WAR              |
| <i>Petrophile striata</i>  | Populations disjunct from their known geographic range; uncommon in the area; significant populations in reference to the Whicher Scarp  | SVT2, 8, 9                |  | SW:AW, GS, JF, SWA           |
| <i>Platytheca</i> sp. <i>Argyle</i> (G.J. & B.J. Keighery 281) PN      | Recently recognised taxa; poorly reserved; significant populations in reference to the Whicher Scarp; uncommon in the area; endemic to the Whicher Scarp; significant habitat preference; relictual species                | SVT2, 3                   |  | SW: JF                       |
| <i>Ricinocarpos</i> aff. <i>cyanescens</i> (A.Webb sn 27 October 2003) | Recently recognised taxa; poorly reserved; significant populations in reference to the Whicher Scarp; uncommon in the area; endemic to the Whicher Scarp; significant habitat preference                                   | SVT1, 6, 14               |  | SW:ESP, JF                   |

**Appendix 2, Figure 1 Distribution of DRF**



Known Location of *Davesia elongata* subsp. *elongata*



Date: 24/6/09

**Appendix 2, Figure 2 Distribution of other significant flora**

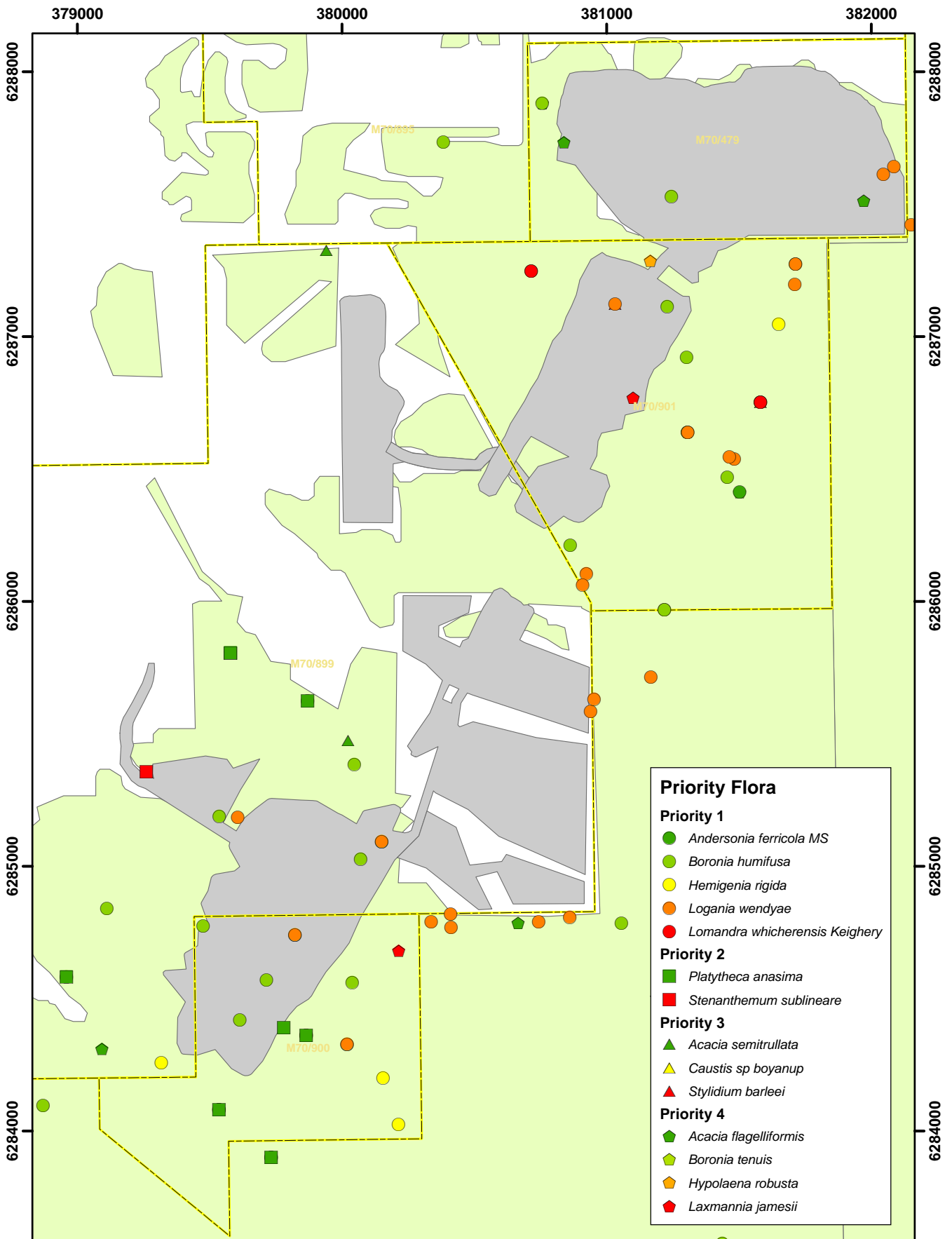
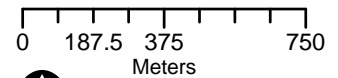


Figure 5-19:  
Recorded Locations of Priority Flora at Happy Valley



Datum: GDA 1994 MGA Zone 50  
Drawn: DH  
Date: 17/7/09





**Appendix 3**  
**List of potential**  
**rehabilitation species,**  
**including problematic**  
**taxa**



**Appendix 3, Table 1 Taxa that will targeted as highest priority seed collection species for post-mining rehabilitation of the three vegetation complexes (1 = present, 2 = common, 3 = dominant)**

| Species  | Presence |           |         | Recruitment       |
|--|----------|-----------|---------|-------------------|
|  | Kingia   | Sandplain | Whicher |                   |
| <i>Acacia extensa</i>                                  | 2        | 3         | 2       | Seed or seedlings |
| <i>Acacia lateriticola</i>                             | 2        | 2         | 3       | Seed or seedlings |
| <i>Acacia nervosa</i>                                  |          | 2         | 1       | Seed or seedlings |
| <i>Acacia pulchella</i>                                | 2        | 3         | 2       | Seed or seedlings |
| <i>Agonis flexuosa</i> var. <i>flexuosa</i>            | 1        |           |         | Seed or seedlings |
| <i>Allocasuarina fraseriana</i>                        | 2        | 2         | 1       | Seed or seedlings |
| <i>Allocasuarina humilis</i>                           | 2        | 1         | 1       | Seed or seedlings |
| <i>Amphipogon amphipogonoides</i>                      | 2        | 3         | 2       | Seed or seedlings |
| <i>Anigozanthos flavidus</i>                           |          |           | 1       | Seed or seedlings |
| <i>Anigozanthos manglesii</i>                          | 1        | 1         | 1       | Seed or seedlings |
| <i>Baeckea camphorosmae</i>                            | 1        | 1         |         | Seed or seedlings |
| <i>Banksia attenuata</i>                               | 2        | 2         | 1       | Seed or seedlings |
| <i>Banksia grandis</i>                                 | 2        | 3         | 2       | Seed or seedlings |
| <i>Bossiaea eriocarpa</i>                              | 1        | 1         | 2       | Seed or seedlings |
| <i>Bossiaea linophylla</i>                             |          |           |         | Seed or seedlings |
| <i>Bossiaea pulchella</i>                              |          | 1         |         | Seed or seedlings |
| <i>Bossiaea rufa</i>                                   | 1        | 1         | 2       | Seed or seedlings |
| <i>Calothamnus sanguineus</i>                          | 1        | 2         | 2       | Seed or seedlings |
| <i>Calytrix flavescens</i>                             | 2        | 1         |         | Seed or seedlings |
| <i>Chorizema glycinifolium</i>                         | 1        | 1         |         | Seed or seedlings |
| <i>Chorizema reticulatum</i>                           | 1        |           |         | Seed or seedlings |
| <i>Chorizema rhombeum</i>                              |          |           | 1       | Seed or seedlings |
| <i>Conostylis aculeata</i>                             | 1        | 1         | 1       | Seed or seedlings |
| <i>Conostylis setigera</i> subsp. <i>setigera</i>      | 1        | 3         | 1       | Seed or seedlings |
| <i>Corymbia calophylla</i>                             | 2        | 2         | 2       | Seed or seedlings |
| <i>Corymbia haematoxylon</i>                           | 2        | 2         | 2       | Seed or seedlings |
| <i>Dampiera alata</i>                                  | 1        | 1         | 1       | Seed or seedlings |
| <i>Dampiera linearis</i>                               | 1        | 2         | 2       | Seed or seedlings |
| <i>Daviesia cordata</i>                                |          | 1         |         | Seed or seedlings |
| <i>Daviesia divaricata</i> subsp. <i>divaricata</i> MS | 1        | 1         |         | Seed or seedlings |
| <i>Daviesia incrassata</i> subsp. <i>incrassata</i>    | 1        | 1         | 1       | Seed or seedlings |
| <i>Daviesia inflata</i>                                | 1        | 1         | 1       | Seed or seedlings |
| <i>Daviesia nudiflora</i> subsp. <i>nudiflora</i>      |          | 1         | 1       | Seed or seedlings |
| <i>Daviesia podophylla</i>                             | 1        | 1         |         | Seed or seedlings |
| <i>Dryandra armata</i> var. <i>armata</i>              | 1        | 1         | 1       | Seed or seedlings |
| <i>Dryandra bipinnatifida</i> subsp. <i>multifida</i>  | 1        | 1         | 1       | Seed or seedlings |
| <i>Dryandra kippistiana</i>                            | 1        |           |         | Seed or seedlings |
| <i>Dryandra lindleyana</i> var. <i>lindleyana</i>      | 2        | 3         | 2       | Seed or seedlings |
| <i>Dryandra sessilis</i> var. <i>sessilis</i>          |          | 1         |         | Seed or seedlings |
| <i>Eremaea pauciflora</i> var. <i>pauciflora</i>       | 1        | 1         |         | Seed or seedlings |

| Species  | Presence |           |         | Recruitment       |
|--|----------|-----------|---------|-------------------|
|  | Kingia   | Sandplain | Whicher |                   |
| <i>Eucalyptus marginata</i>                                | 2        | 3         | 2       | Seed or seedlings |
| <i>Eucalyptus patens</i>                                   |          |           | 1       | Seed or seedlings |
| <i>Gastrolobium capitatum</i>                              | 1        |           | 1       | Seed or seedlings |
| <i>Gastrolobium linearifolium</i>                          | 1        |           |         | Seed or seedlings |
| <i>Gastrolobium spinosum</i>                               |          |           | 1       | Seed or seedlings |
| <i>Gompholobium confertum</i>                              | 1        | 2         | 2       | Seed or seedlings |
| <i>Gompholobium knightianum</i>                            | 1        | 3         | 1       | Seed or seedlings |
| <i>Gompholobium marginatum</i>                             |          | 2         | 2       | Seed or seedlings |
| <i>Gompholobium polymorphum</i>                            | 1        | 2         |         | Seed or seedlings |
| <i>Gompholobium preissii</i>                               | 1        | 2         | 2       | Seed or seedlings |
| <i>Gompholobium venustum</i>                               |          |           | 1       | Seed or seedlings |
| <i>Grevillea manglesioides</i> subsp. <i>manglesioides</i> |          | 1         | 1       | Seed or seedlings |
| <i>Grevillea pulchella</i> subsp. <i>ascendens</i>         |          | 1         | 1       | Seed or seedlings |
| <i>Grevillea quercifolia</i>                               |          | 1         | 1       | Seed or seedlings |
| <i>Grevillea trifida</i>                                   | 1        | 2         | 1       | Seed or seedlings |
| <i>Grevillea vestita</i>                                   |          | 1         |         | Seed or seedlings |
| <i>Grevillea wilsonii</i>                                  | 1        |           |         | Seed or seedlings |
| <i>Hakea amplexicaulis</i>                                 | 1        | 3         | 2       | Seed or seedlings |
| <i>Hakea cyclocarpa</i>                                    | 1        | 2         | 1       | Seed or seedlings |
| <i>Hakea lissocarpha</i>                                   | 1        | 2         | 2       | Seed or seedlings |
| <i>Hakea ruscifolia</i>                                    | 1        | 2         | 1       | Seed or seedlings |
| <i>Hypocalymma angustifolium</i>                           | 1        | 2         | 1       | Seed or seedlings |
| <i>Hypocalymma robustum</i>                                | 2        | 3         | 2       | Seed or seedlings |
| <i>Jacksonia furcellata</i>                                |          |           |         | Seed or seedlings |
| <i>Jacksonia horrida</i>                                   | 1        |           |         | Seed or seedlings |
| <i>Kenmedia coccinea</i>                                   | 1        | 2         | 1       | Seed or seedlings |
| <i>Kenmedia prostrata</i>                                  |          |           |         | Seed or seedlings |
| <i>Kunzea glabrescens</i>                                  | 1        | 1         |         | Seed or seedlings |
| <i>Kunzea micrantha</i>                                    | 1        |           |         | Seed or seedlings |
| <i>Kunzea recurva</i>                                      | 1        | 1         | 1       | Seed or seedlings |
| <i>Labichea punctata</i>                                   | 1        | 2         | 2       | Seed or seedlings |
| <i>Lasiopetalum floribundum</i>                            |          | 1         |         | Seed or seedlings |
| <i>Lechenaultia biloba</i>                                 | 1        | 2         | 2       | Seed or seedlings |
| <i>Macrozamia riedlei</i>                                  | 1        | 2         | 1       | Seed or seedlings |
| <i>Melaleuca preissiana</i>                                | 1        |           |         | Seed or seedlings |
| <i>Melaleuca scabra</i>                                    |          |           |         | Seed or seedlings |
| <i>Melaleuca systema</i>                                   |          |           |         | Seed or seedlings |
| <i>Melaleuca thymoides</i>                                 | 2        | 1         | 1       | Seed or seedlings |
| <i>Melaleuca trichophylla</i>                              | 1        |           |         | Seed or seedlings |
| <i>Mirbelia dilatata</i>                                   |          | 1         |         | Seed or seedlings |
| <i>Neurachne alopecuroidea</i>                             | 1        | 1         | 1       | Seed or seedlings |
| <i>Opercularia apiciflora</i>                              | 1        | 2         | 1       | Seed or seedlings |
| <i>Patersonia occidentalis</i>                             | 1        | 1         | 1       | Seed or seedlings |
| <i>Patersonia umbrosa</i>                                  | 2        | 3         | 2       | Seed or seedlings |

| Species   | Presence |           |         | Recruitment       |
|---|----------|-----------|---------|-------------------|
|   | Kingia   | Sandplain | Whicher |                   |
| <i>Pentapeltis peltigera</i>                        | 1        | 3         | 1       | Seed or seedlings |
| <i>Pericalymma ellipticum</i>                       | 1        | 2         | 1       | Seed or seedlings |
| <i>Philothea spicata</i>                            | 2        | 2         | 2       | Seed or seedlings |
| <i>Phyllanthus calycinus</i>                        |          |           |         | Seed or seedlings |
| <i>Ricinocarpos cyanescens</i>                      | 1        | 2         | 1       | Seed or seedlings |
| <i>Scaevola calliptera</i>                          | 1        | 2         | 1       | Seed or seedlings |
| <i>Taxandria linearifolia</i>                       | 1        | 1         | 1       | Seed or seedlings |
| <i>Taxandria parviceps</i>                          | 1        | 1         |         | Seed or seedlings |
| <i>Tetrarrhena laevis</i>                           | 1        | 3         | 2       | Seed or seedlings |
| <i>Tetratea hispidissima</i>                        | 1        | 2         | 1       | Seed or seedlings |
| <i>Trymalium floribundum</i> subsp. <i>trifidum</i> |          |           |         | Seed or seedlings |
| <i>Trymalium ledifolium</i>                         | 1        | 1         |         | Seed or seedlings |
| <i>Viminaria juncea</i>                             |          |           | 1       | Seed or seedlings |
| <i>Xylomelum occidentale</i>                        | 1        | 3         | 2       | Seed or seedlings |

**Appendix 3, Table 2 Taxa that will targeted as secondary priority seed collection species for post-mining rehabilitation of the three vegetation complexes (1 = present, 2 = common, 3 = dominant)**

| Species  | Presence |           |         | Recruitment       |
|--|----------|-----------|---------|-------------------|
|  | Kingia   | Sandplain | Whicher |                   |
| <i>Acacia applanata</i>                              | 1        | 1         |         | Seed or seedlings |
| <i>Acacia browniana</i>                              |          | 1         |         | Seed or seedlings |
| <i>Acacia divergens</i>                              | 1        |           |         | Seed or seedlings |
| <i>Acacia flagelliformis</i>                         |          |           | 1       | Seed or seedlings |
| <i>Acacia mooreana</i>                               | 1        | 1         | 1       | Seed or seedlings |
| <i>Acacia obovata</i>                                |          | 1         | 1       | Seed or seedlings |
| <i>Acacia preissiana</i>                             |          | 1         |         | Seed or seedlings |
| <i>Acacia semitrullata</i>                           | 1        | 1         |         | Seed or seedlings |
| <i>Acacia sessilis</i>                               |          |           | 1       | Seed or seedlings |
| <i>Acacia tetragonocarpa</i>                         | 1        | 1         |         | Seed or seedlings |
| <i>Acacia uliginosa</i>                              | 1        |           |         | Seed or seedlings |
| <i>Acacia varia</i> var. <i>varia</i>                |          | 1         |         | Seed or seedlings |
| <i>Acacia willdenowiana</i>                          | 1        | 1         |         | Seed or seedlings |
| <i>Anigozanthos viridis</i>                          | 1        |           |         | Seed or seedlings |
| <i>Astartea affinis</i> MS                           |          |           | 1       | Seed or seedlings |
| <i>Banksia ilicifolia</i>                            | 1        |           |         | Seed or seedlings |
| <i>Banksia littoralis</i>                            | 1        |           |         | Seed or seedlings |
| <i>Banksia sphaerocarpa</i> var. <i>sphaerocarpa</i> |          | 1         |         | Seed or seedlings |
| <i>Beaufortia squarrosa</i>                          | 1        |           |         | Seed or seedlings |
| <i>Boronia defoliata</i>                             | 1        | 1         | 1       | Seed or seedlings |
| <i>Boronia denticulata</i>                           |          | 1         |         | Seed or seedlings |
| <i>Boronia fastigiata</i>                            |          |           | 1       | Seed or seedlings |
| <i>Boronia humifusa</i>                              | 1        | 1         | 1       | Seed or seedlings |
| <i>Boronia ramosa</i> subsp. <i>ramosa</i>           | 1        |           |         | Seed or seedlings |
| <i>Calothamnus lateralis</i>                         | 1        |           |         | Seed or seedlings |
| <i>Calothamnus pallidifolius</i>                     |          | 1         |         | Seed or seedlings |
| <i>Calothamnus schaueri</i>                          | 1        |           |         | Seed or seedlings |
| <i>Calytrix leschenaultii</i>                        | 1        |           |         | Seed or seedlings |
| <i>Chamelaucium erythrochlorum</i> MS                |          | 1         |         | Seed or seedlings |
| <i>Conostylis aurea</i>                              | 1        |           | 1       | Seed or seedlings |
| <i>Conostylis laxiflora</i>                          |          | 1         | 1       | Seed or seedlings |
| <i>Cryptandra arbutiflora</i> var. <i>tubulosa</i>   |          |           | 1       | Seed or seedlings |
| <i>Daviesia elongata</i> subsp. <i>elongata</i>      |          | 1         |         | Seed or seedlings |
| <i>Daviesia rhombifolia</i>                          |          | 1         |         | Seed or seedlings |
| <i>Eucalyptus decipiens</i>                          | 1        |           |         | Seed or seedlings |

| Species  | Presence |           |         | Recruitment       |
|--|----------|-----------|---------|-------------------|
|  | Kingia   | Sandplain | Whicher |                   |
| <i>Gompholobium aristatum</i>                        |          | 1         |         | Seed or seedlings |
| <i>Gompholobium shuttleworthii</i>                   |          | 1         |         | Seed or seedlings |
| <i>Gompholobium tomentosum</i>                       | 1        | 1         |         | Seed or seedlings |
| <i>Grevillea bipinnatifida</i>                       | 1        |           |         | Seed or seedlings |
| <i>Grevillea bronwenae</i>                           |          | 1         |         | Seed or seedlings |
| <i>Hakea auriculata</i>                              | 1        |           |         | Seed or seedlings |
| <i>Hakea ceratophylla</i>                            |          |           | 1       | Seed or seedlings |
| <i>Hakea falcata</i>                                 |          | 1         |         | Seed or seedlings |
| <i>Hakea lasianthoides</i>                           |          | 1         | 1       | Seed or seedlings |
| <i>Hakea stenocarpa</i>                              | 1        | 1         | 1       | Seed or seedlings |
| <i>Hakea trifurcata</i>                              |          | 1         |         | Seed or seedlings |
| <i>Hakea varia</i>                                   |          |           | 1       | Seed or seedlings |
| <i>Hardenbergia comptoniana</i>                      | 1        | 1         |         | Seed or seedlings |
| <i>Hemiandra pungens</i>                             | 1        | 1         | 1       | Seed or seedlings |
| <i>Hemigenia incana</i>                              |          | 1         |         | Seed or seedlings |
| <i>Hemigenia ramosissima</i>                         |          | 1         |         | Seed or seedlings |
| <i>Hemigenia rigida</i>                              |          | 1         | 1       | Seed or seedlings |
| <i>Hemigenia sericea</i>                             |          |           | 1       | Seed or seedlings |
| <i>Hypocalymma strictum</i>                          |          |           | 1       | Seed or seedlings |
| <i>Isotropis cuneifolia</i> subsp. <i>cuneifolia</i> | 1        |           |         | Seed or seedlings |
| <i>Jacksonia lehmannii</i>                           |          |           | 1       | Seed or seedlings |
| <i>Jacksonia restioides</i>                          | 1        |           |         | Seed or seedlings |
| <i>Johnsonia lupulina</i>                            | 1        | 1         | 1       | Seed or seedlings |
| <i>Juncus pallidus</i>                               |          |           |         | Seed or seedlings |
| <i>Juncus subsecundus</i>                            |          |           | 1       | Seed or seedlings |
| <i>Kennedia carinata</i>                             |          | 1         |         | Seed or seedlings |
| <i>Lambertia multiflora</i> var. <i>darlingensis</i> | 1        |           | 1       | Seed or seedlings |
| <i>Lechenaultia expansa</i>                          | 1        |           |         | Seed or seedlings |
| <i>Lechenaultia floribunda</i>                       |          | 1         |         | Seed or seedlings |
| <i>Lobelia alata</i>                                 |          |           | 1       | Seed or seedlings |
| <i>Luzula meridionalis</i>                           |          | 1         | 1       | Seed or seedlings |
| <i>Opercularia echinocephala</i>                     |          | 1         |         | Seed or seedlings |
| <i>Opercularia hispidula</i>                         |          | 1         |         | Seed or seedlings |
| <i>Opercularia vaginata</i>                          |          | 1         |         | Seed or seedlings |
| <i>Patersonia juncea</i>                             | 1        | 1         | 1       | Seed or seedlings |
| <i>Pultenaea drummondii</i>                          |          | 1         |         | Seed or seedlings |
| <i>Pultenaea ochreatea</i>                           | 1        |           |         | Seed or seedlings |
| <i>Pultenaea radiata</i>                             | 1        |           | 1       | Seed or seedlings |
| <i>Pultenaea reticulata</i>                          | 1        |           |         | Seed or seedlings |

| Species  | Presence |           |         | Recruitment       |
|--|----------|-----------|---------|-------------------|
|  | Kingia   | Sandplain | Whicher |                   |
| <i>Ricinocarpos</i> aff. <i>glaucus</i>            |          | 1         |         | Seed or seedlings |
| <i>Scaevola phlebopetala</i>                       | 1        |           |         | Seed or seedlings |
| <i>Scaevola striata</i>                            |          |           | 1       | Seed or seedlings |
| <i>Stackhousia monogyna</i>                        | 1        | 1         | 1       | Seed or seedlings |
| <i>Stylidium amoenum</i> var. <i>amoenum</i>       | 1        | 1         | 1       | Seed or seedlings |
| <i>Stylidium barleei</i>                           |          |           | 1       | Seed or seedlings |
| <i>Stylidium brunonianum</i>                       | 1        | 1         |         | Seed or seedlings |
| <i>Stylidium carnosum</i>                          | 1        |           | 1       | Seed or seedlings |
| <i>Stylidium crassifolium</i>                      |          | 1         |         | Seed or seedlings |
| <i>Stylidium junceum</i>                           | 1        | 1         | 1       | Seed or seedlings |
| <i>Stylidium piliferum</i> subsp. <i>piliferum</i> | 1        | 1         | 1       | Seed or seedlings |
| <i>Stylidium repens</i>                            | 1        | 1         | 1       | Seed or seedlings |
| <i>Stylidium spathulatum</i>                       | 1        | 1         | 1       | Seed or seedlings |
| <i>Stypandra glauca</i>                            | 1        |           |         | Seed or seedlings |
| <i>Tetradlea parvifolia</i>                        |          | 1         |         | Seed or seedlings |
| <i>Tetradlea setigera</i>                          | 1        | 1         | 1       | Seed or seedlings |
| <i>Thomasia grandiflora</i>                        |          | 1         | 1       | Seed or seedlings |
| <i>Tripterococcus brunonis</i>                     | 1        |           | 1       | Seed or seedlings |
| <i>Velleia trinervis</i>                           | 1        | 1         | 1       | Seed or seedlings |

**Appendix 3, Table 3 Taxa that have been identified as potentially problematic to the rehabilitation process (1 = present, 2 = common, 3 = dominant)**

| Species  | Presence |           |         | Recruitment   |
|--|----------|-----------|---------|---|
|  | Kingia   | Sandplain | Whicher |   |
| <i>Adenanthos barbiger</i>                         | 1        | 3         | 2       | Seed or seedlings                                     |
| <i>Adenanthos meisneri</i>                         | 2        | 1         | 1       | Seed or seedlings                                     |
| <i>Adenanthos obovatus</i>                         | 1        |           | 1       | Seed or seedlings                                     |
| <i>Anarthria laevis</i>                            | 1        |           | 1       | Direct topsoil return, translocation or root division |
| <i>Anarthria prolifera</i>                         | 1        | 2         | 1       | Direct topsoil return, translocation or root division |
| <i>Anarthria scabra</i>                            | 1        |           | 1       | Direct topsoil return, translocation or root division |
| <i>Astroloma ciliatum</i>                          | 1        | 2         | 2       | Direct topsoil return, translocation or root division |
| <i>Astroloma drummondii</i>                        |          | 1         |         | Direct topsoil return, translocation or root division |
| <i>Astroloma pallidum</i>                          | 1        | 1         | 1       | Direct topsoil return, translocation or root division |
| <i>Baumea juncea</i>                               | 1        |           |         | Seed or seedlings                                     |
| <i>Baumea vaginalis</i>                            |          |           | 1       | Seed or seedlings                                     |
| <i>Conostephium pendulum</i>                       | 2        | 1         |         | Direct topsoil return, translocation or root division |
| <i>Dasypogon bromeliifolius</i>                    | 2        | 1         | 1       | Direct topsoil return, translocation or root division |
| <i>Dasypogon hookeri</i>                           | 1        | 2         | 2       | Direct topsoil return, translocation or root division |
| <i>Desmocladus fasciculatus</i>                    | 2        | 3         | 2       | Direct topsoil return, translocation or root division |
| <i>Desmocladus flexuosus</i>                       | 1        | 1         |         | Direct topsoil return, translocation or root division |
| <i>Harperia lateriflora</i>                        |          | 1         |         | Direct topsoil return, translocation or root division |
| <i>Hibbertia acerosa</i>                           | 1        | 2         | 1       | Direct topsoil return, translocation or root division |
| <i>Hibbertia amplexicaulis</i>                     | 1        | 3         | 2       | Direct topsoil return, translocation or root division |
| <i>Hibbertia aurea</i>                             | 1        | 1         |         | Direct topsoil return, translocation or root division |
| <i>Hibbertia commutata</i>                         | 1        | 2         | 2       | Direct topsoil return, translocation or root division |
| <i>Hibbertia diamesogenos</i>                      | 1        | 3         | 2       | Direct topsoil return, translocation or root division |
| <i>Hibbertia ferruginea</i>                        | 1        |           | 1       | Direct topsoil return, translocation or root division |
| <i>Hibbertia glomerata</i> subsp. <i>glomerata</i> | 1        | 1         | 1       | Direct topsoil return, translocation or root division |
| <i>Hibbertia huegelii</i>                          | 1        | 1         | 1       | Direct topsoil return, translocation or root division |
| <i>Hibbertia hypericoides</i>                      | 3        | 3         | 3       | Direct topsoil return, translocation or root division |
| <i>Hibbertia lasiopus</i>                          |          | 1         |         | Direct topsoil return, translocation or root division |
| <i>Hibbertia mylnei</i>                            | 1        | 1         |         | Direct topsoil return, translocation or root division |
| <i>Hibbertia perfoliata</i>                        |          |           | 1       | Direct topsoil return, translocation or root division |
| <i>Hibbertia pilosa</i>                            |          |           |         | Direct topsoil return, translocation or root division |
| <i>Hibbertia pungens</i>                           |          | 1         |         | Direct topsoil return, translocation or root division |
| <i>Hibbertia racemosa</i>                          | 1        | 1         |         | Direct topsoil return, translocation or root division |
| <i>Hibbertia subvaginata</i>                       | 1        | 1         |         | Direct topsoil return, translocation or root division |
| <i>Hibbertia vaginata</i>                          | 1        |           | 1       | Direct topsoil return, translocation or root division |
| <i>Hypolaena exsulca</i>                           | 2        | 2         | 1       | Direct topsoil return, translocation or root division |

| Species                             | Presence |           |         | Recruitment   |
|-------------------------------------|----------|-----------|---------|---|
|                                     | Kingia   | Sandplain | Whicher |   |
| <i>Hypolaena fastigiata</i>         | 1        |           |         | Direct topsoil return, translocation or root division |
| <i>Isopogon sphaerocephalus</i>     | 1        | 3         | 2       | Direct topsoil return, translocation or root division |
| <i>Kingia australis</i>             | 1        | 1         | 1       | Direct topsoil return, translocation or root division |
| <i>Lepidosperma brunonianum</i>     |          |           | 1       | Direct topsoil return, translocation or root division |
| <i>Lepidosperma carphoides</i>      |          | 1         |         | Direct topsoil return, translocation or root division |
| <i>Lepidosperma effusum</i>         |          | 1         |         | Direct topsoil return, translocation or root division |
| <i>Lepidosperma pubisquamum</i>     |          | 1         |         | Direct topsoil return, translocation or root division |
| <i>Lepidosperma scabrum</i>         | 1        | 1         | 1       | Direct topsoil return, translocation or root division |
| <i>Lepidosperma tenue</i>           |          | 1         |         | Direct topsoil return, translocation or root division |
| <i>Lepidosperma tetraquetrum</i>    | 1        |           |         | Direct topsoil return, translocation or root division |
| <i>Leptocarpus diffusus</i>         |          |           | 1       | Direct topsoil return, translocation or root division |
| <i>Leptocarpus elegans</i> MS       |          |           |         | Direct topsoil return, translocation or root division |
| <i>Leptocarpus tenax</i>            | 1        |           |         | Direct topsoil return, translocation or root division |
| <i>Lepyrodia glauca</i>             |          |           |         | Direct topsoil return, translocation or root division |
| <i>Lepyrodia macra</i>              | 1        | 1         | 1       | Direct topsoil return, translocation or root division |
| <i>Lepyrodia monoica</i>            |          |           |         | Direct topsoil return, translocation or root division |
| <i>Lepyrodia muirii</i>             |          |           |         | Direct topsoil return, translocation or root division |
| <i>Leucopogon australis</i>         | 1        | 1         |         | Direct topsoil return, translocation or root division |
| <i>Leucopogon capitellatus</i>      | 1        | 1         | 1       | Direct topsoil return, translocation or root division |
| <i>Leucopogon conostephioides</i>   | 1        | 1         |         | Direct topsoil return, translocation or root division |
| <i>Leucopogon glabellus</i>         | 1        |           | 1       | Direct topsoil return, translocation or root division |
| <i>Leucopogon gracillimus</i>       | 1        |           |         | Direct topsoil return, translocation or root division |
| <i>Leucopogon nutans</i>            |          | 1         | 1       | Direct topsoil return, translocation or root division |
| <i>Leucopogon obovatus</i>          |          |           |         | Direct topsoil return, translocation or root division |
| <i>Leucopogon oxycedrus</i>         |          |           | 1       | Direct topsoil return, translocation or root division |
| <i>Leucopogon parviflorus</i>       |          | 1         |         | Direct topsoil return, translocation or root division |
| <i>Leucopogon pendulus</i>          | 1        | 1         |         | Direct topsoil return, translocation or root division |
| <i>Leucopogon polymorphus</i>       |          |           | 1       | Direct topsoil return, translocation or root division |
| <i>Leucopogon propinquus</i>        | 1        | 1         | 2       | Direct topsoil return, translocation or root division |
| <i>Leucopogon pulchellus</i>        | 1        | 1         | 1       | Direct topsoil return, translocation or root division |
| <i>Leucopogon</i> sp. Whicher Range |          |           | 1       | Direct topsoil return, translocation or root division |
| <i>Leucopogon sprengelioides</i>    |          |           |         | Direct topsoil return, translocation or root division |
| <i>Leucopogon squarrosus</i>        |          |           |         | Direct topsoil return, translocation or root division |
| <i>Leucopogon verticillatus</i>     |          | 1         | 1       | Direct topsoil return, translocation or root division |

| Species  | Presence |           |         | Recruitment   |
|--|----------|-----------|---------|---|
|  | Kingia   | Sandplain | Whicher |   |
| <i>Logania campanulata</i>                     |          | 1         |         | Direct topsoil return, translocation or root division |
| <i>Logania spermacocea</i>                     | 1        | 2         | 1       | Direct topsoil return, translocation or root division |
| <i>Logania wendyae</i> MS                      | 1        | 1         | 2       | Direct topsoil return, translocation or root division |
| <i>Lomandra caespitosa</i>                     | 1        | 1         | 1       | Direct topsoil return, translocation or root division |
| <i>Lomandra drummondii</i>                     |          | 1         |         | Direct topsoil return, translocation or root division |
| <i>Lomandra hermaphrodita</i>                  | 2        | 3         | 1       | Direct topsoil return, translocation or root division |
| <i>Lomandra odora</i>                          | 1        |           |         | Direct topsoil return, translocation or root division |
| <i>Lomandra pauciflora</i>                     |          |           |         | Direct topsoil return, translocation or root division |
| <i>Lomandra sericea</i>                        | 1        | 3         | 3       | Direct topsoil return, translocation or root division |
| <i>Lomandra sonderi</i>                        | 1        | 2         | 1       | Direct topsoil return, translocation or root division |
| <i>Lomandra sparteae</i>                       |          | 1         | 1       | Direct topsoil return, translocation or root division |
| <i>Lomandra suaveolens</i>                     | 1        |           |         | Direct topsoil return, translocation or root division |
| <i>Loxocarya cinerea</i>                       | 1        | 2         |         | Direct topsoil return, translocation or root division |
| <i>Lyginia barbata</i>                         | 1        |           | 1       | Direct topsoil return, translocation or root division |
| <i>Lysinema ciliatum</i>                       | 1        |           |         | Direct topsoil return, translocation or root division |
| <i>Mesomelaena graciliceps</i>                 | 1        | 1         | 1       | Direct topsoil return, translocation or root division |
| <i>Mesomelaena stygia</i> subsp. <i>stygia</i> | 1        | 1         |         | Direct topsoil return, translocation or root division |
| <i>Mesomelaena tetragona</i>                   | 1        | 2         | 1       | Direct topsoil return, translocation or root division |
| <i>Nuytsia floribunda</i>                      | 1        | 1         | 1       | Direct topsoil return, translocation or root division |
| <i>Persoonia elliptica</i>                     | 1        | 1         |         | Direct topsoil return, translocation or root division |
| <i>Persoonia longifolia</i>                    | 1        | 1         | 2       | Seed or seedlings                                     |
| <i>Petrophile diversifolia</i>                 |          | 1         |         | Direct topsoil return, translocation or root division |
| <i>Petrophile linearis</i>                     | 1        | 1         | 1       | Seed or seedlings                                     |
| <i>Petrophile serruriae</i>                    | 1        | 1         | 1       | Direct topsoil return, translocation or root division |
| <i>Petrophile striata</i>                      | 1        | 1         | 1       | Direct topsoil return, translocation or root division |
| <i>Phlebocarya ciliata</i>                     | 2        | 1         | 1       | Seed or seedlings                                     |
| <i>Phlebocarya filifolia</i>                   | 1        |           |         | Seed or seedlings                                     |
| <i>Podocarpus drouynianus</i>                  | 1        | 1         |         | Direct topsoil return, translocation or root division |
| <i>Schoenus brevisetis</i>                     | 1        | 1         | 1       | Direct topsoil return, translocation or root division |
| <i>Schoenus curvifolius</i>                    | 1        |           | 1       | Direct topsoil return, translocation or root division |
| <i>Sphenotoma capitatum</i>                    |          |           | 1       | Direct topsoil return, translocation or root division |
| <i>Sphenotoma gracile</i>                      |          | 1         |         | Direct topsoil return, translocation or root division |
| <i>Stachystemon vermicularis</i>               | 1        |           |         | Direct topsoil return, translocation or root division |
| <i>Stirlingia latifolia</i>                    | 1        | 1         | 1       | Direct topsoil return, translocation or root division |

| Species                                | Presence |           |         | Recruitment   |
|--|----------|-----------|---------|---|
|  | Kingia   | Sandplain | Whicher |   |
| <i>Styphelia tenuiflora</i>            | 1        | 1         | 1       | Direct topsoil return, translocation or root division |
| <i>Synaphea</i> aff. <i>Petiolaris</i> | 1        |           |         | Direct topsoil return, translocation or root division |
| <i>Synaphea floribunda</i>             |          | 1         | 1       | Direct topsoil return, translocation or root division |
| <i>Synaphea petiolaris</i>             | 1        | 2         | 1       | Direct topsoil return, translocation or root division |
| <i>Taraxis grossa</i>                  |          |           | 1       | Direct topsoil return, translocation or root division |
| <i>Tetraria australiensis</i>          | 1        |           |         | Direct topsoil return, translocation or root division |
| <i>Tetraria capillaris</i>             | 1        | 3         | 2       | Direct topsoil return, translocation or root division |
| <i>Tetraria octandra</i>               | 2        | 3         | 2       | Direct topsoil return, translocation or root division |
| <i>Xanthorrhoea acanthostachya</i>     | 1        | 1         | 1       | Direct topsoil return, translocation or root division |
| <i>Xanthorrhoea brunonis</i>           | 1        | 1         | 1       | Direct topsoil return, translocation or root division |
| <i>Xanthorrhoea gracilis</i>           | 1        | 3         | 2       | Seed or seedlings                                     |