



## 1. Application details

### 1.1. Permit application details

Permit application No.: 896/1  
Permit type: Purpose Permit

### 1.2. Proponent details

Proponent's name: Blina Diamonds NL

### 1.3. Property details

Property: M4/372  
Local Government Area: Shire Of Derby-West Kimberley  
Colloquial name: Blina Diamonds NL Ellendale 9

### 1.4. Application

|                    |           |                    |                     |
|--------------------|-----------|--------------------|---------------------|
| Clearing Area (ha) | No. Trees | Method of Clearing | For the purpose of: |
| 25                 |           | Mechanical Removal | Mineral Exploration |

## 2. Site Information

### 2.1. Existing environment and information

#### 2.1.1. Description of the native vegetation under application

| Vegetation Description  | Clearing Description  | Vegetation Condition  | Comment   |
|---|---|---|---|
| <p>The purpose permit area is located within Beard Vegetation unit 760 : Shrublands, pindan; Acacia tumida shrubland with scattered low bloodwood &amp; Eucalyptus setosa over ribbon curly spinifex (Shepherd et al. 2001).</p> <p>Mattiske Consulting Pty Ltd was commissioned by the Kimberley Diamond Company to update previous flora and vegetation surveys of the Ellendale Diamond survey area and produced an updated map and report in 2005. This map covers the western half of the purpose permit application area and provides more precise information than the Beard Vegetation Unit mapping. Vegetation surveys for the 2005 report and map were conducted in April 2001 and December 2002 and have been supplemented by specimens collected by the Kimberley Diamond Company. A total of 15 vegetation communities were defined by Mattiske of which three were mapped within the area that is the subject of this permit. These include :</p> | <p>This purpose permit application is for an area of up to 25 hectares within a larger area of approximately hectares. The clearing is for ongoing exploration and mining of diamondiferous alluvial channels and will include pitting, costeaning, bulk sampling and mining.</p> | <p>Ranges from:<br/>Very Good: Vegetation structure altered; obvious signs of disturbance (Keighery 1994)</p> <p>To:<br/>Completely Degraded: No longer intact; completely/almost completely without native species (Keighery 1994)</p> | <p>The vegetation condition assessment is based on Mattiske (2005) which described the vegetation condition surveyed in the Ellendale area as varying from very degraded to very good. Mattiske (2005) and Ninox (2003) both noted that the the vegetation within the Ellendale lease area had been subjected to extensive grazing activities and frequent fires. Mattiske noted that the impacts of the proposed mining operations are relatively minor in a local and regional context. Disturbance from previous mining exploration activity was also noted by Mattiske (2005) and several tracks run through the purpose permit application area.</p> |

Type A: Pindan woodland, low open woodland of

Corymbia opaca, Acacia platycarpa and Bauhinia cunninghamii over Sorghum stipoideum, Fimbristylis pachyptera and Sida hackettiana in loamy sandy soils on lower slopes.

Type D-C-A: Combination of Vegetation Types C (Twin-leafed Bloodwood Savanna Woodland) and D (Poplar Gum Low Savanna Woodland) and A (Pindan Woodland). Low open woodland of Eucalyptus bigalerita, Acacia platycarpa and Bauhinia cunninghamii over Sorghum stipoideum, Fimbristylis pachyptera and Sida hackettiana on loamy sands on lower slopes.

Type H: Bauhinia Beefwood Savanna Woodland.

### 3. Assessment of application against clearing principles

#### (a) Native vegetation should not be cleared if it comprises a high level of biological diversity.

**Comments**      **Proposal is not likely to be at variance to this Principle**

The purpose permit area is located within the Fitzroy Trough Biogeographical Regionalisation of Australia (IBRA) subregion (GIS database). The biodiversity values of the Fitzroy Trough IBRA subregion are described by Graham (2001). High species diversity and ecosystem diversity are stated for rainforests patches which are also noted as centres of endemism for the subregion.

No rainforest patches were noted by the vegetation survey and report of Mattiske Consulting (2005) which covered the broader Ellendale project area and included approximately half of the area under this purpose permit application. A good quality aerial photo of the purpose permit area was provided was Blina Diamonds for this application and no rainforest patches are located within the purpose permit area. The plant communities recorded in the Ellendale area were judged by Mattiske Consulting (2005) to be well represented in the regional context with no plant communities considered to be of regional or national significance.

CALM advice received (CALM 2006) stated that based on the level of previous disturbance due to fire, grazing and exploration and the well represented nature of the vegetation in a regional context as recorded by Mattiske Consulting (2005), this proposal is unlikely to represent an area of high biodiversity value in a local or regional context and as such is not likely to be at variance to this principle.

**Methodology**      CALM (2006).  
GIS database-IBRA (subregions)-EA 18/10/2000.  
Mattiske Consulting Pty Ltd (2005).

#### (b) Native vegetation should not be cleared if it comprises the whole or a part of, or is necessary for the maintenance of, a significant habitat for fauna indigenous to Western Australia.

**Comments**      **Proposal is not likely to be at variance to this Principle**

The fauna of the Ellendale area has been the subject of a number of wildlife surveys and reports since 1980 which have been analysed and their findings discussed in a report produced by Ninox Wildlife Consulting (2003). Surveys in the Ellendale area were conducted in May 1980, May 2001 (sampling some of the 1980 sites) and December 2002. Three of the sites surveyed in 2001 (KD 03, KD 04 and OP 2) are located within the areas subject to this purpose clearing permit. A further four sites (KD 02, OP1, OP 3-1, OP3-3) are located in close proximity to the area subject to this permit and in similar vegetation types. Ninox Wildlife Consulting notes in their report that the vegetation in the vicinity of site KD04 had been severely degraded between the 2001 and 2002 survey due to cattle activity with a lack of grass cover, dead or dying shrubs and severe soil disturbance from cattle hooves.

In their 2003 report Ninox Wildlife Consulting state that 20 rare or Priority listed vertebrate fauna species are known or could potentially occur in the habitats of the Ellendale area. These consist of 11 mammals, three

reptiles and six bird species.

Of the 20 species listed, one Priority listed mammal, the Lakeland Down Mouse *Leggadina lakedownensis* (Priority 4) was recorded at sites KD03 and KD04 in 2001 and two Priority listed bird species the Australian Bustard *Ardeotis australis* (P4) and *Pictorella mannikin Heteromunia pectoralis* (Vulnerable) were also recorded at both sites in 2001/2002.

The Lakeland Down Mouse tends to occur in areas with clay based soils supporting native grasses (Ninox Wildlife Consulting 2003). Ninox Wildlife Consulting (2003) stated in their report that based on the extensive areas of remaining habitat suitable within and outside of the Ellendale project area the impact of the proposed mining activities is unlikely to be significant to the Lakeland Down Mouse.

Similarly the impact of mining on the Australian Bustard was judged by Ninox Wildlife Consulting (2003) to be minimal and that no specific management measures were required beyond generalised impact reduction measures outlined in their report.

The potential impacts of mining on the *Pictorella Mannikin* were not discussed in the Ninox Wildlife Consulting 2003 report. The Action Plan for Australian Birds (Garnett and Crowley 2000) list the threatening processes to that species as changes to fire regimes and stock grazing leading to an increased incidence of air sac mite which is a potential indicator of environmental stress (the same concerns apply to the Gouldian Finch *Erythrura gouldiae*). Recommended actions under that action plan do not include any actions in relation to land clearing or specific habitat protection.

A number of specific management measures are listed in Ninox Wildlife Consulting 2003 that relate to Declared or priority listed fauna that although not recorded within the areas subject to this purpose permit are listed as potentially occurring in the Ellendale Project area.

The minimisation of impacts to rocky habitats is listed for the Rock Ringtail Possum *Petropseudes dahli* (P3) and three listed bat species that use rocky areas as roosting habitats (Ghost Bat *Macroderma gigas* (P4), Orange Leaf-nosed Bat *Rhinonycteris aurantius* (Declared Threatened Fauna) and Yellow-lipped Bat *Vespedalus douglasorum* (P2). No rocky habitats were reported to occur in the area by Ninox Wildlife Consulting (2003) or Matiske Consulting (2005).

In relation to the potential for the Northern Marsupial Mole *Notoryctes caurinus* (Declared Threatened Fauna) to occur within the Ellendale area, the clearing of vegetation on deep red sands should be minimised and access tracks should where possible follow existing roads and tracks.

The Gouldian Finch *Erythrura gouldiae* (Declared Threatened Fauna) was recorded in the 1980 study of the Ellendale area but not during the more recent 2001 and 2002 surveys. The decline of this species is linked to changes in fire regimes and native grass seed availability as well as increased mortality from diseases due to lower food supply levels. Ninox Wildlife Consulting (2003) state that the development of the mine is unlikely to significantly impact on that species given the large areas of suitable habitat present in the general area. Ninox Wildlife Consulting (2003) further recommends that clearing be kept to a minimum and where possible access tracks should follow existing access track routes.

The Bilby (*Macrotis lagotis*) is a Declared Threatened Fauna species that is most likely to occur within Acacia shrublands on deep red sands in the Ellendale project area (Ninox Wildlife Consulting 2003). A relatively recent but abandoned burrow system was located at site KD05 in December 2002 to the south of the area subject to this purpose permit. The impact of the mine in the Ellendale project area was judged unlikely by Ninox Wildlife Consulting to add significantly to the existing impacts of cattle grazing, feral cat predation and changed fire regimes that have contributed to the decline of that species. General impact reduction measures were deemed sufficient to address the impact of mining to that species.

In its assessment of the Fitzroy Trough IBRA subregion biodiversity Graham (2001) listed Riparian zones as being significant by providing dry season refuges. The riparian vegetation within the purpose permit area has been degraded by cattle grazing. Some vegetation monitoring points downstream of the Ellendale 9 pit within the purpose permit area were established in January 2005. Seventeen herb and grass species were found within those quadrats with the most common species being Buffel Grass, *Cenchrus ciliaris*, a weed introduced for pasture production. Pictures of the vegetation taken in April 2005 show creeklines dominated by grasses with no obvious differences in height or species composition closer to the creekline which may indicate dominance by Buffel Grass (Kimberley Diamond Company 2005). Assuming that those quadrats are representative of the vegetation of the creeklines in the purpose permit area, the value of any riparian vegetation within the purpose permit area as a dry season refuge may be minimal.

CALM advice received (CALM 2006) stated that: having reviewed the associated fauna survey summary provided with the application and DoIR's assessment of this Principle, it would appear that this proposal is unlikely to impact on habitat significant for native fauna.

**Methodology** CALM (2006).

Garnett S.T. & Crowley G.M. (2000) The Action Plan for Australian Birds. Environment Australia.  
Kimberley Diamond Company (2005).

Mattiske Consulting Pty Ltd (2005).  
Ninox Wildlife Consulting (2003).

**(c) Native vegetation should not be cleared if it includes, or is necessary for the continued existence of, rare flora.**

**Comments Proposal is not likely to be at variance to this Principle**

The closest known Declared Rare Flora (DRF) or Priority Flora species in the region is the DRF Eucalyptus mooreana located approximately 65 kilometres to the east of the areas applied to clear (GIS database).

Previous botanical surveys have been undertaken in the Ellendale area by Dames and Moore in 1981 for the CRA exploration Ashton Joint Venture. More recent surveys in the area have been carried out by Mattiske Consulting for the Kimberley Diamond Company in April 2001 (wet season survey) and December 2002 (dry season survey). The information collected has been further updated with botanical records from the Kimberley Diamond Company. A new updated vegetation map and report for the Ellendale Diamond Project was produced in May 2005 by Mattiske Consulting Pty Ltd (2005). The map produced covers the western half of the purpose permit area applied for as well as large areas to the North and South.

No Declared Rare Flora (DRF) or Priority Flora (P1 to P3) was located by Mattiske Consulting Pty Ltd in those surveys.

Based on the lack of DRF or Priority Flora records from the extensive vegetation surveys that have been carried out in the Ellendale project area it is unlikely that DRF or Priority Flora occur in the areas subject to this clearing permit application and the proposal is judged not likely to be at variance to this principle.

CALM advice received (CALM 2006) stated that: having regard to the previous flora survey information, CALM concurs with DoIR's assessment report findings that this proposal is unlikely to be at variance with this principle.

**Methodology** CALM (2006).  
GIS Database-Declared Rare and Priority Flora List-CALM (01/07/2005).  
Mattiske Consulting Pty Ltd (2005).

**(d) Native vegetation should not be cleared if it comprises the whole or a part of, or is necessary for the maintenance of a threatened ecological community.**

**Comments Proposal is not likely to be at variance to this Principle**

No known Threatened Ecological Community (TEC) occurs within the areas proposed to be cleared (GIS Database 2005). The closest known TEC is the Assemblages of Big Springs organic mound springs located more than 100 kilometres from the proposed clearing areas (CALM TEC database 2006). No plant communities within the Ellendale Diamond Project Area were found to be of national or regional significance by Mattiske Consulting Pty Ltd (2005).

None of the ecosystems found within the purpose permit area are listed as ecosystems at risk in the assessment of the Fitzroy Trough IBRA subregion biodiversity values by Graham (2001).

Based on the lack of known records of TEC's from the local area, defined as a 50km radius from the proposed clearing, CALM advises that this proposal is unlikely to be at variance with this Principle (CALM 2006).

**Methodology** CALM (2006).  
CALM TEC database (2006).  
GIS Database-Threatened Ecological Communities-CALM (12/04/2005).  
Graham (2001).  
Mattiske Consulting Pty Ltd (2005).

**(e) Native vegetation should not be cleared if it is significant as a remnant of native vegetation in an area that has been extensively cleared.**

**Comments Proposal is not at variance to this Principle**

The State Government is committed to the National Objectives Targets for Biodiversity Conservation which includes a target that prevents clearance of ecological communities with an extent below 30% of that present pre-European settlement (Department of Natural Resources and Environment, 2002; EPA, 2000). The vegetation of the site is classified as Beard Vegetation Association 760 (Hopkins et al. 2001) which has 100 % of the pre-European extent remaining (Shepherd et al. 2001).

Approximately 0.5 % of Beard Vegetation Type 760 is protected in IUCN class I-IV reserves (Shepherd et al. 2001).

The benchmark of 15% representation in conservation reserves (JANIS Forests Criteria, 1997) has not been met for Beard vegetation association 760. Given that Vegetation Type 152 remains at its current pre-European extent and that the proposed clearing will not reduce the extent of these vegetation types to less than 30 % in the

bioregion it is of 'least concern' for biodiversity conservation (Department of Natural Resources and Environment 2002).

**Methodology** Department of Natural Resources and Environment (2002).  
EPA (2000).  
Hopkins et al. (2001).  
JANIS (1997).  
Shepherd et al. (2001).

**(f) Native vegetation should not be cleared if it is growing in, or in association with, an environment associated with a watercourse or wetland.**

**Comments Proposal is not likely to be at variance to this Principle**

There is a minor non-perennial watercourse located in the area subject to this clearing permit (GIS database). However that watercourse has not been identified as having significant environmental values by Ninnox Wildlife Consulting (2003) or Matiske Consulting Pty Ltd (2005). Vegetation survey plots located on the edge of that creek within the purpose permit area by the Kimberley Diamond Company (2005) indicate that the area in the vicinity of the creek is dominated by the introduced weed Buffel grass. No riparian vegetation types were mapped in the Matiske Consulting Pty Ltd survey (2005) report.

**Methodology** GIS database - Hydrography, linear - DOE (01/02/2004).  
Kimberley Diamond Company (2005).  
Matiske Consulting Pty Ltd (2005).  
Ninnox Wildlife Consulting (2003).

**(g) Native vegetation should not be cleared if the clearing of the vegetation is likely to cause appreciable land degradation.**

**Comments Proposal is not likely to be at variance to this Principle**

Advice received from the Commissioner for Soil and Land Conservation in relation to the assessment of this principle stated:

The area to be cleared in the vicinity of Ellendale Pipe 9 Mine is mapped as Yeeda Land System (Speck et. al. 1964). This is described as being deep red or yellow sandplain supporting pindan vegetation. This vegetation is quite resilient and regenerates quite readily after disturbance. The land is generally quite flat and therefore not particularly erosion prone. I conclude that the proposed clearing is not likely to be at variance with principle (g) (DAWA 2005).

**Methodology** DAWA (2005)  
Speck et. al. (1964).

**(h) Native vegetation should not be cleared if the clearing of the vegetation is likely to have an impact on the environmental values of any adjacent or nearby conservation area.**

**Comments Proposal is not likely to be at variance to this Principle**

The Napier, Oscar and Geikie Ranges area, listed as an Indicative Place on the Register of National Estate, is located within 10-15km of the proposed clearing (CALM 2006, GIS Database).

The Devonian Reef Conservation Park is located approximately 10km to the South-East of the proposed clearing. Windjana Gorge National Park is situated approximately 16km to the North-East. The proposed clearing is sufficiently distanced from these conservation areas so as to cause negligible impact to their environmental values.

Since the clearing is unlikely to impact on The Devonian Reef Conservation Park, or Windjana Gorge National Park, there appears to be a low probability of the proposed clearing being at variance with Principle (h) (CALM advice 2005). CALM advice (2006) stated that: CALM's previous advice for 410 is still applicable for the consideration of this application.

**Methodology** CALM (2005).  
CALM (2006).  
GIS database-Clearing Regulations Schedule 1 Areas-DoE (10/03/2005).  
GIS database-CALM Managed Land and Waters-CALM (01/07/2005).

**(i) Native vegetation should not be cleared if the clearing of the vegetation is likely to cause deterioration in the quality of surface or underground water.**

**Comments Proposal is not likely to be at variance to this Principle**

The proposed clearing is not expected to degrade water quality. The area for clearing is not in a Public Drinking Water Source Area (GIS database) or in proximity to any mangroves, tidal flats or acid sulphate soil areas.

Environs Kimberley have expressed concern in a previous permit application (permit application 410/1) granted and overlapping permit application 896/1 about the impacts on the groundwater, nearby springs and karst systems in relation to vegetation clearing and ground disturbance (DoE Decision Report permit 410/1, 2005). In its decision report the Department of Environment (now known as the Department of Water) noted that water allocation licensing requires approval through the Water and Rivers Commission process, via which the impacts on groundwater will be assessed (EPA, 2003).

**Methodology** DoE Decision Report for permit 410/1, (2005).  
GIS database-Public Drinking Water Supply Areas-DoE 2005.

**(j) Native vegetation should not be cleared if clearing the vegetation is likely to cause, or exacerbate, the incidence or intensity of flooding.**

**Comments**

The region has highly seasonal rain with large rainfall events that can periodically inundate areas of poor drainage. The area proposed for clearing is located at the top of the Lennard River sub-catchment and comprises less than 0.1% of the local catchment (GIS Database) so there is unlikely to be exacerbated local flooding from the proposed clearing.

**Methodology** GIS database 2003 - Hydrographic Catchments - Subcatchments - 01/07/03

**Planning instrument, Native Title, Previous EPA decision or other matter.**

**Comments**

There is no Native Title Claim over the area under application (GIS database).

There are no Registered Indigenous Heritage Sites located within the area under application (GIS database).

Blina Diamonds do not hold any licences for taking water on tenement M04/372. Both Blina Diamonds and the Kimberley Diamond Company have been requested by the Department of Environment to install monitoring bores at various locations in the Ellendale vicinity to monitor the effects (if any) of their drawdown on the springs and groundwater dependent ecosystems. DoE advice received on the 19th October 2005 states that: there is unlikely to be an issue with clearing the area proposed under this permit from a water licensing point of view but that DoE would need more information in order to accurately determine whether or not a water licence would be granted if required (DoE2005).

**Methodology** DoE (2005) Advice received by Email from DoE Kunnunura office in relation to water and EP licensing.  
GIS Database-Aboriginal Sites of Significance-DIA (28/02/2003).  
GIS Database-Native Title Claims-DLI (7/11/2005).

**4. Assessor's recommendations**

| Purpose             | Method             | Applied area (ha)/ trees | Decision | Comment / recommendation  |
|---------------------|--------------------|--------------------------|----------|---|
| Mineral Exploration | Mechanical Removal | 25                       | Grant    | The proposal was found to be not at variance for Principle e and unlikely to be at variance for principles a,b,c,d,f,g,h,i and j. The assessor has set 2 conditions relating to reporting on the clearing undertaken under this permit. There is a requirement under the <i>Mining Act 1978</i> for any exploration activities undertaken that the areas cleared will be rehabilitated to the satisfaction of DoIR. |

**5. References**

CALM (2005) Advice given for clearing permit 410/1 overlapping permit 896/1 in the Department of Environment Decision Report for clearing permit 410/1.

CALM (2006) Land Clearing Proposal Advice. Advice to the Native Vegetation Assessor, DoIR, Email advice received on 9<sup>th</sup> February 2006 in relation to principles a,b,c,d.and h.

Department of Natural Resources and Environment (2002) Biodiversity Action Planning. Action planning for native biodiversity at multiple scales; catchment bioregional, landscape, local. Department of Natural Resources and Environment, Victoria.

Department of Environment (2005). Decision report for Clearing permit 410/1.granted by DoE on 30<sup>th</sup> March 2005.

DoE (2005) Advice received on 19/10/2005 by the Native Vegetation Assessor, DoIR, from DoE Kunnunura office in relation to water and EP licensing.

EPA (2000) Environmental protection of native vegetation in Western Australia. Clearing of native vegetation, with particular reference to the agricultural area. Position Statement No. 2. December 2000. Environmental Protection Authority.

Graham G (2001) Dampierland 1 (DL1-Fitzroy Trough subregion) pp 170-178 in A Biodiversity Audit of Western Australia's 53 Biogeographical Subregions in 2002. Report published by the Department of Conservation and Land Management, Western Australia.

JANIS Forests Criteria (1997) Nationally agreed criteria for the establishment of a comprehensive, Adequate and

Representative reserve System for Forests in Australia. A report by the Joint ANZECC/MCFFA National Forest Policy Statement Implementation Sub-committee. Regional Forests Agreement process. Commonwealth of Australia, Canberra.

Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.

Kimberley Diamond Company (2005) Vegetation Plots Survey at E9 Creek. Unpublished report by the Kimberley Diamond Company.

Mattiske Consulting Pty Ltd (2005) Flora and Vegetation Survey Kimberley Diamond Company NL Ellendale Diamond Project. Unpublished report prepared by Mattiske Consulting Pty Ltd for the Kimberley Diamond Company NL, dated May 2005.

Ninox Wildlife Consulting (2003) Ellendale Diamond Project Report. Unpublished report by Ninox Wildlife Consulting, dated March 2003.

Shepherd, D.P., Beeston, G.R. and Hopkins, A.J.M. (2001) Native Vegetation in Western Australia, Extent, Type and Status. Resource Management Technical Report 249. Department of Agriculture, Western Australia.

Speck, N.H., Wright, R.L., Rutherford, G.K., Fitzgerald, K., Thomas, F., Arnold, Jennifer M., Basinski, J.J., Fitzpatrick, E.A., Lazarides, M. and Perry, R.A. (1964). General report on lands of the West Kimberley area, W.A. Land Research Series No. 9, CSIRO.

## 6 Acronyms and Definitions

### Acronyms:

|               |  |
|---------------|--|
| <b>BoM</b>    | Bureau of Meteorology, Australian Government.                      |
| <b>CALM</b>   | Department of Conservation and Land Management, Western Australia. |
| <b>DAWA</b>   | Department of Agriculture, Western Australia.                      |
| <b>DA</b>     | Department of Agriculture, Western Australia.                      |
| <b>DEP</b>    | Department of Environment Protection (now DoE), Western Australia. |
| <b>DLI</b>    | Department of Land Information, Western Australia.                 |
| <b>DoE</b>    | Department of Environment, Western Australia.                      |
| <b>DoIR</b>   | Department of Industry and Resources, Western Australia.           |
| <b>DOLA</b>   | Department of Land Administration, Western Australia.              |
| <b>EP Act</b> | Environment Protection Act 1986, Western Australia.                |
| <b>GIS</b>    | Geographical Information System.                                   |
| <b>IBRA</b>   | Interim Biogeographic Regionalisation for Australia.               |
| <b>RIWI</b>   | Rights in Water and Irrigation Act 1914, Western Australia.        |
| <b>TECs</b>   | Threatened Ecological Communities.                                 |

### Definitions:

{Atkins, Ken (2005). *Declared rare and priority flora list for Western Australia, 22 February 2005*. Department of Conservation and Land Management, Como, Western Australia} :-

|           |   |
|-----------|---|
| <b>P1</b> | <b>Priority One - Poorly Known taxa:</b> taxa which are known from one or a few (generally <5) populations which are under threat, either due to small population size, or being on lands under immediate threat, e.g. road verges, urban areas, farmland, active mineral leases, etc., or the plants are under threat, e.g. from disease, grazing by feral animals, etc. May include taxa with threatened populations on protected lands. Such taxa are under consideration for declaration as 'rare flora', but are in urgent need of further survey. |
| <b>P2</b> | <b>Priority Two - Poorly Known taxa:</b> taxa which are known from one or a few (generally <5) populations, at least some of which are not believed to be under immediate threat (i.e. not currently endangered). Such taxa are under consideration for declaration as 'rare flora', but are in urgent need of further survey.  |
| <b>P3</b> | <b>Priority Three - Poorly Known taxa:</b> taxa which are known from several populations, at least some of which are not believed to be under immediate threat (i.e. not currently endangered). Such taxa are under consideration for declaration as 'rare flora', but are in need of further survey.   |
| <b>P4</b> | <b>Priority Four – Rare taxa:</b> taxa which are considered to have been adequately surveyed and which, whilst being rare (in Australia), are not currently threatened by any identifiable factors. These taxa require monitoring every 5–10 years.   |
| <b>R</b>  | <b>Declared Rare Flora – Extant taxa (= Threatened Flora = Endangered + Vulnerable):</b> taxa which have been adequately searched for, and are deemed to be in the wild either rare, in danger of extinction, or otherwise in need of special protection, and have been gazetted as such, following approval by the Minister for the Environment, after recommendation by the State's Endangered Flora Consultative Committee.  |
| <b>X</b>  | <b>Declared Rare Flora - Presumed Extinct taxa:</b> taxa which have not been collected, or otherwise verified, over the past 50 years despite thorough searching, or of which all known wild populations have been destroyed more recently, and have been gazetted as such, following approval by the Minister for the Environment, after recommendation by the State's Endangered Flora Consultative Committee.  |

{Wildlife Conservation (Specially Protected Fauna) Notice 2005} [Wildlife Conservation Act 1950] :-

- Schedule 1** being fauna that is rare or likely to become extinct, are declared to be fauna that is need of special protection.
- Schedule 2** being fauna that is presumed to be extinct, are declared to be fauna that is need of special protection.
- Schedule 3** being birds that are subject to an agreement between the governments of Australia and Japan relating to the protection of migratory birds and birds in danger of extinction, are declared to be fauna that is need of special protection.
- Schedule 4** being fauna that is declared to be fauna that is in need of special protection, otherwise than for the reasons mentioned in Schedules 1, 2 or 3.