



## CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

**Purpose Permit number:** CPS 4629/1  
**Permit Holder:** Mr David Leyland  
**Duration of Permit:** 5 December 2011 to 5 December 2016

The Permit Holder is authorised to clear native vegetation subject to the following conditions of this Permit.

### PART I – CLEARING AUTHORISED

#### 1. Purpose for which clearing may be done

Clearing for the purpose of *apiary site* maintenance.

#### 2. Land on which clearing is to be done

Apiary site No.	Local Government Authority	DEC District	Land Tenure	Longitude	Latitude
5472	Brookton	Perth Hills	LUPTONS CONSERVATION PARK - CCWA	116.68	-32.43
206	Coolgardie	Kalgoorlie	Land Administration Act - Unallocated Crown Land	120.82	-31.09
501	Coolgardie	Kalgoorlie	Land Administration Act - BULLABULLING pastoral lease - Pastoral Lands Board	120.80	-31.12
502	Coolgardie	Kalgoorlie	Land Administration Act - BULLABULLING pastoral lease - Pastoral Lands Board	120.90	-31.09
1026	Coolgardie	Kalgoorlie	Land Administration Act - BULLABULLING pastoral lease - Pastoral Lands Board	120.94	-30.96
3553	Coolgardie	Kalgoorlie	Land Administration Act - Unallocated Crown Land	121.13	-30.94
5599	Coolgardie	Kalgoorlie	Land Administration Act - Unallocated Crown Land	120.82	-31.14
5618	Coolgardie	Kalgoorlie	Land Administration Act - Unallocated Crown Land	121.46	-31.41
5619	Coolgardie	Kalgoorlie	Land Administration Act - Unallocated Crown Land	121.45	-31.46
5620	Coolgardie	Kalgoorlie	Land Administration Act - Unallocated Crown Land	121.48	-31.47
5621	Coolgardie	Kalgoorlie	Land Administration Act - Unallocated Crown Land	121.51	-31.51
5622	Coolgardie	Kalgoorlie	Land Administration Act - Unallocated Crown Land	121.53	-31.55
5641	Coolgardie	Kalgoorlie	Land Administration Act -	120.89	-31.04

Apiary site No.	Local Government Authority	DEC District	Land Tenure	Longitude	Latitude
			BULLABULLING pastoral lease - Pastoral Lands Board		
5642	Coolgardie	Kalgoorlie	Land Administration Act - BULLABULLING pastoral lease - Pastoral Lands Board	120.93	-31.08
5671	Coolgardie	Kalgoorlie	Land Administration Act - Unallocated Crown Land	121.07	-30.93
5672	Coolgardie	Kalgoorlie	Land Administration Act - BULLABULLING pastoral lease - Pastoral Lands Board	120.95	-30.98
5906	Coolgardie	Kalgoorlie	Land Administration Act - Unallocated Crown Land	121.43	-31.53
5910	Coolgardie	Kalgoorlie	Land Administration Act - Unallocated Crown Land	121.41	-31.41
5911	Coolgardie	Kalgoorlie	Land Administration Act - Unallocated Crown Land	121.40	-31.45
5912	Coolgardie	Kalgoorlie	Land Administration Act - Unallocated Crown Land	121.40	-31.48
5913	Coolgardie	Kalgoorlie	Land Administration Act - Unallocated Crown Land	121.44	-31.48
6058	Coolgardie	Kalgoorlie	Land Administration Act - Unallocated Crown Land	121.07	-30.91
6059	Coolgardie	Kalgoorlie	Land Administration Act - Madoonia Downs pastoral lease - Pastoral Lands Board	121.72	-31.54
6060	Coolgardie	Kalgoorlie	Land Administration Act - Madoonia Downs pastoral lease - Pastoral Lands Board	121.74	-31.56
4726	Coorow	Moora	LESUEUR NATIONAL PARK - CCWA	115.07	-30.07
2689	Cuballing	Great Southern	STATE FOREST 53 - CCWA	117.04	-32.73
5132	Cuballing	Great Southern	STATE FOREST 51 - CCWA	117.03	-32.77
1736	Dandaragan	Moora	LESUEUR NATIONAL PARK - CCWA	115.07	-30.09
1737	Dandaragan	Moora	LESUEUR NATIONAL PARK - CCWA	115.08	-30.12
5069	Dandaragan	Moora	Land Administration Act - Unallocated Crown Land	115.42	-30.59
5070	Dandaragan	Moora	Local Government Reserve - Shire of Dandaragan - Reserve 27216 - Recreation, Camping, Conservation of Flora	115.49	-30.66
5673	Dandaragan	Moora	LESUEUR NATIONAL PARK - CCWA	115.10	-30.14
1001	Dundas	Esperance	Land Administration Act - Unallocated Crown Land	122.05	-32.11
1002	Dundas	Esperance	Land Administration Act - Unallocated Crown Land	121.78	-32.37
1003	Dundas	Esperance	Land Administration Act - Unallocated Crown Land	121.78	-32.41
1004	Dundas	Esperance	Land Administration Act - Unallocated Crown Land	121.80	-32.24
1005	Dundas	Esperance	Land Administration Act - Unallocated Crown Land	121.83	-32.24
1006	Dundas	Esperance	Land Administration Act - Unallocated Crown Land	121.83	-32.21
1007	Dundas	Esperance	Land Administration Act - Unallocated Crown Land	121.83	-32.18
1008	Dundas	Esperance	Land Administration Act -	121.83	-32.15

Apiary site No.	Local Government Authority	DEC District	Land Tenure	Longitude	Latitude
			Unallocated Crown Land		
1010	Dundas	Esperance	Land Administration Act - Unallocated Crown Land	121.85	-32.13
1011	Dundas	Esperance	Land Administration Act - Unallocated Crown Land	121.90	-32.14
1012	Dundas	Esperance	Land Administration Act - Unallocated Crown Land	121.94	-32.14
1013	Dundas	Esperance	Land Administration Act - Unallocated Crown Land	121.96	-32.12
1014	Dundas	Esperance	Land Administration Act - Unallocated Crown Land	121.99	-32.13
1281	Dundas	Esperance	Land Administration Act - Unallocated Crown Land	123.47	-32.31
1283	Dundas	Esperance	Land Administration Act - Unallocated Crown Land	123.17	-32.06
1284	Dundas	Esperance	Land Administration Act - Unallocated Crown Land	123.18	-32.09
1286	Dundas	Esperance	Land Administration Act - Unallocated Crown Land	123.14	-32.11
1287	Dundas	Esperance	Land Administration Act - Unallocated Crown Land	123.17	-32.12
1288	Dundas	Esperance	Land Administration Act - Unallocated Crown Land	123.25	-32.16
1289	Dundas	Esperance	Land Administration Act - Unallocated Crown Land	123.26	-32.21
1290	Dundas	Esperance	Land Administration Act - Unallocated Crown Land	123.47	-32.28
1293	Dundas	Esperance	Land Administration Act - Unallocated Crown Land	123.51	-32.27
1294	Dundas	Esperance	Land Administration Act - Unallocated Crown Land	123.53	-32.31
6066	Esperance	Esperance	Land Administration Act - Unallocated Crown Land	120.86	-33.30
6067	Esperance	Esperance	Land Administration Act - Unallocated Crown Land	120.88	-33.32
6068	Esperance	Esperance	Land Administration Act - Unallocated Crown Land	120.85	-33.33
6069	Esperance	Esperance	Land Administration Act - Unallocated Crown Land	120.82	-33.35
3895	Harvey	Wellington	DEC FREEHOLD - CALM EXECUTIVE BODY	116.01	-33.20
5074	Harvey	Wellington	STATE FOREST 15 - CCWA	116.03	-33.15
5075	Harvey	Wellington	STATE FOREST 15 - CCWA	116.08	-33.16
5076	Harvey	Wellington	STATE FOREST 15 - CCWA	116.08	-33.13
5089	Harvey	Wellington	STATE FOREST 15 - CCWA	115.99	-33.15
5093	Harvey	Wellington	STATE FOREST 15 - CCWA	115.98	-33.18
5313	Harvey	Wellington	STATE FOREST 15 - CCWA	116.06	-33.14
5507	Harvey	Wellington	STATE FOREST 15 - CCWA	115.98	-33.13
3979	Jerramungup	Albany	Land Act Reserve Unvested 33258 - Parkland & Rec	119.14	-34.22
4416	Jerramungup	Albany	Land Act Reserve Unvested 33258 - Parkland & Recreation	119.21	-34.17
4460	Jerramungup	Albany	Land Act Reserve Unvested 33258 - Parkland & Rec	119.19	-34.24
6065	Jerramungup	Albany	Land Act Reserve Unvested 33258 - Parkland & Rec (Proposed Fitzgerald River NP)	119.29	-34.22

Apiary site No.	Local Government Authority	DEC District	Land Tenure	Longitude	Latitude
2713	Kalamunda	Perth Hills	Korung National Park - CCWA	116.16	-32.02
2714	Kalamunda	Perth Hills	STATE FOREST 7 - CCWA	116.19	-32.01
4821	Kalamunda	Perth Hills	STATE FOREST 7 - CCWA	116.17	-32.02
5954	Koorda	Central Wheatbelt	Land Administration Act - REMLAP pastoral lease - Pastoral Lands Board	117.60	-30.22
229	Lake Grace	Esperance	Land Administration Act - Unallocated Crown Land	119.85	-32.82
230	Lake Grace	Esperance	Land Administration Act - Unallocated Crown Land	119.90	-32.84
231	Lake Grace	Esperance	Land Administration Act - Unallocated Crown Land	119.93	-32.85
708	Manjimup	Donnelly	STATE FOREST 39 - CCWA	116.19	-34.49
709	Manjimup	Donnelly	STATE FOREST 39 - CCWA	116.21	-34.52
1169	Manjimup	Donnelly	STATE FOREST 40 - CCWA	116.19	-34.66
3348	Manjimup	Donnelly	STATE FOREST 38 - CCWA	116.20	-34.27
5073	Manjimup	Donnelly	STATE FOREST 34 - CCWA	115.95	-34.15
5306	Manjimup	Donnelly	STATE FOREST 41 - CCWA	116.32	-34.57
5314	Manjimup	Donnelly	STATE FOREST 40 - CCWA	116.23	-34.67
5315	Manjimup	Donnelly	Greater Hawke National Park - CCWA	116.10	-34.58
5951	Manjimup	Frankland	Mt Frankland National Park Walpole Wilderness Area - CCWA	116.62	-34.88
5893	Mount Marshall	Central Wheatbelt	Land Administration Act - REMLAP pastoral lease - Pastoral Lands Board	117.64	-30.04
5894	Mount Marshall	Central Wheatbelt	Land Administration Act - REMLAP pastoral lease - Pastoral Lands Board	117.64	-30.12
5953	Mount Marshall	Central Wheatbelt	Land Administration Act - REMLAP pastoral lease - Pastoral Lands Board	117.55	-30.16
47	Mundaring	Perth Hills	FREEHOLD (PWD). Water and Rivers Commission	116.34	-31.94
1507	Mundaring	Perth Hills	Land Act Reserve (Other) 6203 Water Corporation. Water Authority of WA. Reservoir, Aquaduct Water Course and Catchment Area	116.28	-31.87
6214	Mundaring	Perth Hills	Unvested Reserve - 25033	116.34	-31.87
4825	Murray	Perth Hills	NORTH DANDALUP Nature Reserve - 41701 - Conservation of Flora and Fauna - CCWA	116.00	-32.47
5071	Nannup	Donnelly	STATE FOREST 57 - CCWA	115.91	-34.16
5072	Nannup	Donnelly	STATE FOREST 34 - CCWA	115.98	-34.13
2049	Wandering	Perth Hills	LUPTONS CONSERVATION PARK - CCWA	116.62	-32.49
3645	Waroona	Perth Hills	STATE FOREST 14 - CCWA	116.01	-32.87
5002	Waroona	Perth Hills	STATE FOREST 14 - CCWA	116.00	-32.89
5258	Waroona	Swan Coastal	STATE FOREST 16 (Proposed addition to Yalgorup NP) - CCWA	115.72	-32.87
2687	Williams	Great Southern	STATE FOREST 51 - CCWA	116.83	-32.78
2688	Williams	Great Southern	STATE FOREST 51 - CCWA	116.96	-32.73

Apiary site No.	Local Government Authority	DEC District	Land Tenure	Longitude	Latitude
519	Yalgoo	Geraldton	Land Administration Act - Ninghan pastoral lease - Pastoral Lands Board	117.38	-29.50
520	Yalgoo	Geraldton	Land Administration Act - NINGHAN pastoral lease - Pastoral Lands Board	117.41	-29.52
5395	Yalgoo	Geraldton	Land Administration Act - Ninghan pastoral lease - Pastoral Lands Board	117.24	-29.47
5396	Yalgoo	Geraldton	Land Administration Act - NINGHAN pastoral lease - Pastoral Lands Board	117.21	-29.50
5397	Yalgoo	Geraldton	Land Administration Act - NINGHAN pastoral lease - Pastoral Lands Board	117.24	-29.50
5398	Yalgoo	Geraldton	Land Administration Act - NINGHAN pastoral lease - Pastoral Lands Board	117.35	-29.45
5858	Yalgoo	Geraldton	Land Administration Act - NINGHAN pastoral lease - Pastoral Lands Board	117.33	-29.42

### 3. Area of clearing

- (a) The Permit Holder must not clear more than 4.9 hectares of native vegetation in total.
- (b) The Permit Holder must not clear more than 0.045 hectare for each of the *apiary sites* described in condition 2 of this Permit.
- (c) The clearing described in condition 3(a) of this Permit may only occur within a 2,000 metre radius of the coordinates of each *apiary sites* described in condition 2 of this Permit, subject to the Permit Holder having the power to clear native vegetation for those activities under any written law.

### 4. Application

This Permit allows the Permit Holder to authorise persons, including employees, contractors and agents of the Permit Holder, to clear native vegetation for the purposes of this Permit subject to compliance with the conditions of this Permit and approval from the Permit Holder.

### 5. Type of clearing authorised

This Permit authorises the Permit Holder to clear native vegetation within *apiary sites* described in conditions 2 and the type of clearing in condition 3 of this Permit to the extent of activities permitted under an authority granted to the Permit Holder under Part 8A of the *Conservation and Land Management Regulations 2002*.

### 6. Clearing not authorised

This Permit does not authorise the Permit Holder to clear trees that have a diameter, at average adult human chest height, of 10cm or greater.

### 7. Compliance with Assessment Sequence and Management Procedures

Prior to clearing any native vegetation under conditions 1, 2 and 3 of this Permit, the Permit Holder must comply with the Assessment Sequence and the Management Procedures set out in Part II of this Permit.

## PART II – ASSESSMENT SEQUENCE AND MANAGEMENT PROCEDURES

### 8. Avoid, minimise etc clearing

In determining the amount of native vegetation to be cleared authorised under this Permit, the Permit Holder must have regard to the following principles, set out in order of preference:

- (a) avoid the clearing of native vegetation;
- (b) minimise the amount of native vegetation to be cleared; and
- (c) reduce the impact of clearing on any environmental value.

### 9. Method of clearing

- (a) The Permit Holder must comply with the directions of the relevant District Apiary Officer of the Department of Environment and Conservation prior to undertaking clearing within *apiary sites* described in conditions 2 and 3 of this Permit.
- (b) The permit holder may only clear native vegetation using minimal impact methods, such as hand mowers or raking.

### 10. Dieback and weed control

When undertaking any clearing or other activity authorised under this Permit, the Permit Holder must take the following steps to minimise the risk of the introduction and spread of *weeds* and *dieback*:

- (a) clean earth-moving machinery of soil and vegetation prior to entering and leaving the area to be cleared;
- (b) shall only move soils in *dry conditions*;
- (c) ensure that no *dieback* or *weed*-affected soil, *mulch*, *fill* or other material is brought into the area to be cleared; and
- (d) restrict the movement of machines and other vehicles to the limits of the areas to be cleared.

## PART III – RECORD KEEPING AND REPORTING

### 11. Records must be kept

The Permit Holder must maintain the following records in relation to the clearing of native vegetation authorised under this Permit:

- (a) the location where the clearing occurred, recorded using a Global Positioning System (GPS) unit set to Geocentric Datum Australia 1994 (GDA94), expressing the geographical coordinates in Eastings and Northings and/or decimal degrees;
- (b) the date that the area was cleared; and
- (c) the size of the area cleared (in hectares).

### 12. Reporting

- (a) The Permit Holder must provide to the CEO on or before 30 June of each year, a written report:
  - (i) of records required under condition 11 of this Permit; and
  - (ii) concerning activities done by the Permit Holder under this Permit between 1 January and 31 December of the preceding year.
- (b) Prior to 5 September 2016, the Permit Holder must provide to the CEO a written report of records required under condition 11 of this Permit where these records have not already been provided under condition 12(a) of this Permit.

## Definitions

The following meanings are given to terms used in this Permit:

**apiary site/s** means the land specified in an apiary authority as the land to which an apiary licence granted under Part VIII Division 2 of the CALM Act, or an apiary permit granted under Part VIII Division 1 of the CALM Act;

**CALM Act** means the *Conservation and Land Management Act 1984*;

**dieback** means the effect of *Phytophthora* species on native vegetation;

**dry conditions** means when soils (not dust) do not freely adhere to rubber tyres, tracks, vehicle chassis or wheel arches;

**fill** means material used to increase the ground level, or fill a hollow;

**mulch** means the use of organic matter, wood chips or rocks to slow the movement of water across the soil surface and to reduce evaporation;

**weed/s** means a species listed in Appendix 3 of the "Environmental Weed Strategy" published by the Department of Conservation and Land Management (1999), and plants declared under section 37 of the *Agriculture and Related Resources Protection Act 1976*.



Kelly Faulkner  
MANAGER  
NATIVE VEGETATION CONSERVATION BRANCH

*Officer delegated under Section 20  
of the Environmental Protection Act 1986*

10 November 2011



## 1. Application details

### 1.1. Permit application details

Permit application No.: 4629/1  
Permit type: Purpose Permit

### 1.2. Proponent details

Proponent's name: David Leyland

### 1.3. Property details

Property: Various Crown and un-allocated Crown land throughout the State

### 1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
4.9		Mechanical Removal	Apiculture

### 1.5. Decision on application

Decision on Permit Application: Grant  
Decision Date: 10 November 2011

## 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
The areas under application within the Swan Coastal plain and lower southwest of Western Australia occur within various vegetation complexes associated with Mattiske and Heddle complexes, whilst those of the Wheatbelt, Goldfields and Midwest regions occur within varying Beard vegetation complexes. (Mattiske Vegetation, 1998; Heddle Vegetation Complexes, 1980, Shepherd, 2009)	The proposed clearing affects a variety of vegetation associations and areas varying from being well vegetated to those with patchy vegetation cover.	Excellent: Vegetation structure intact; disturbance affecting individual species, weeds non-aggressive (Keighery 1994)	The proposed clearing impacts approximately 0.045 hectare of regrowth within each of the 109 apiary sites, with a total proposed clearing area of 4.9 hectares.
		Good: Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery 1994)	

## 3. Assessment of application against clearing principles

### Comments

This application is for the proposed clearing of up to 4.9 hectares of native vegetation across 109 sites within numerous Crown land and unallocated Crown land parcels in the Shires of Coolgardie, Dundas, Esperance, Lake Grace, Jerramungup, Manjimup, Nannup, Yalgoo, Mount Marshall, Dandaragan, Coorow, Koorda, Mundaring, Brookton, Cuballing, Wandering, Williams, Harvey, Waroona, Kalamunda and Murray, for the purpose of apiary site maintenance. The apiary sites are located within areas previously used for beekeeping and within areas permitted under the Conservation and Land Management Act 1984. Clearing (maintenance) may be in the form of either: pruning, slashing or scrub rolling vegetation. If any maintenance is required, up to approximately 0.045ha may be necessary per site for access or placement of beehives. Clearing for a firebreak may also be required and has been factored into the 0.045ha.

Several of the apiary sites occur within close proximity to either threatened or priority listed flora species, and one site is adjacent to a threatened ecological community (TEC). Given the minor maintenance and the low impact nature of the proposed works (e.g pruning), the proposed clearing is unlikely to have any detrimental



environmental impact on biodiversity values at any of the nominated apiary sites. Given this it is considered that the proposed maintenance works is not likely to be at variance with principles (a), (c) or (d)..

Those apiary sites within the Swan Coastal Plain and lower southwest of WA are likely to include habitat for indigenous fauna (including species of conservation significance), as they are located adjacent to areas that generally contain extensive native vegetation cover. Those towards the Wheatbelt and Goldfields and to a lesser extent in the Midwest regions are less likely to occur near such well-vegetated areas. Given that the apiary sites are located within areas previously used for beekeeping, the small scale of proposed maintenance within each site is not expected to have an impact on significant fauna habitat, nor have an impact on the remaining native vegetation in areas that are extensively cleared. It is considered that the proposed maintenance work is not likely to be at variance with principle (b) or (e).

Seven of the apiary sites are located near minor, non-perennial watercourses and one near a major, non-perennial watercourse. A few apiary sites are in the vicinity of conservation category wetlands. The proposed maintenance within these apiary sites may include vegetation growing in association with a watercourse. It is considered that the proposed maintenance may be at variance with principle (f), however given the small scale of the proposed maintenance work the impacts are likely to be minimal.

Many of the apiary sites are located within DEC-managed estate. Given that the apiary sites are located within areas previously used for beekeeping, the small scale of the proposed maintenance work within each apiary site is not expected to have an impact on the environmental values of conservation areas. It is considered that the proposed maintenance work is not likely to be at variance with principle (h).

Four apiary sites are located within Country Areas Water Supply Act 1947 areas and/or Public Drinking Water Supply Areas (PDWSAs). The standard apiary site conditions state that apiary sites should be located a minimum of 200 metres from watercourses within PDWSAs (DEC 2011). Given that the apiary sites are located within areas previously used for beekeeping, the small scale of the proposed clearing within each apiary site is not expected to have an impact on the quality of surface or underground water. It is considered that the proposed clearing is not likely to be at variance with principle (i).

Given that most of the apiary sites are located within areas previously used for beekeeping, the small scale of the proposed maintenance (clearing) within each apiary site is not expected to have an impact on the incidence or intensity of flooding, or contribute to any land degradation. It is considered that the proposed clearing is not likely to be at variance with principles (g) or (j).

#### Methodology

#### References

- Keighery 1994
- DEC 2011

#### GIS datasets

- Heddle Vegetation Complexes
- Matiske Vegetation Complexes
- Interim Biogeographic Regionalisation of Australia
- Pre-European Vegetation
- Geomorphic Wetlands (Mgt Categories), Swan Coastal Plain
- Hydrography, linear (hierarchy)
- Public Drinking Water Source Areas
- DEC Managed Lands and Waters
- SAC biodatasets (accessed Oct 11)

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

#### Comments

All apiary sites have been previously used (on and off for many years) and not all sites will require maintenance (maintenance would involve dealing with re-growth).

Apiarists prefer, and attempts are made, to use existing cleared areas and tracks for access (firebreaks) and keep any maintenance to a minimum. But in some areas, for example in the southwest of WA, some sites may not have been visited for a number of years and clearing of regrowth is required.

Apiarists are requested to liaise with either local DEC office, Department of Water / Water Corporation and other relevant government agencies concerning beehive placement. Apiarists must also abide by their apiary permit conditions concerning, for example, access to property, placement of bee-hives and their obligations under any other written law (DEC, 2011).

Under the Bush Fires Act 1954 apiary sites require a 3m firebreak.

Authority to access land:

Apiary authorities are granted under the CALM Act. As part of the process, authority to access lands is

obtained from the relevant land managers. Therefore from a clearing application perspective the apiary authority represents the necessary land access authority.

#### Native title:

The question of native title only arises on Crown land where native title has not been extinguished. Beekeeping is considered to be a low impact, future act under section 24LA of the Commonwealth Native Title Act 1993. A low impact, future act will not extinguish native title only if it takes place before, and does not continue after, an approved determination of native title is made. Hence, where a low impact, future act takes place on land where native title has already been determined, the native title holders will need to be notified. An application to clear for the purpose of maintaining apiary sites is usually done in conjunction with an existing apiary authority. Provided that the application to clear is for the same areas referred to in an apiary authority (and not for larger or alternate areas), the grant of a clearing permit is a secondary approval process and DEC's CEO will not be required to notify claimants or holders of native title.

**Methodology** DEC, 2011

## 4. References

- DEC (2011) Standard Apiary Site Conditions. Department of Environment and Conservation, Kensington (DEC Ref: A443833).
- Hedde, E. M., Loneragan, O. W., and Havel, J. J. (1980) Vegetation Complexes of the Darling System, Western Australia. In Department of Conservation and Environment, Atlas of Natural Resources, Darling System, Western Australia.
- Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.
- Mattiske, E.M. and Havel, J.J. (1998) Vegetation Complexes of the South-west Forest Region of Western Australia. Maps and report prepared as part of the Regional Forest Agreement, Western Australia for the Department of Conservation and Land Management and Environment Australia.
- Shepherd, D.P. (2009) Adapted from: Shepherd, D.P., Beeston, G.R., and Hopkins, A.J.M. (2001), Native Vegetation in Western Australia. Technical Report 249. Department of Agriculture Western Australia, South Perth.

## 5. Glossary

Term	Meaning
BCS	Biodiversity Coordination Section of DEC
CALM	Department of Conservation and Land Management (now BCS)
DAFWA	Department of Agriculture and Food
DEC	Department of Environment and Conservation
DEP	Department of Environmental Protection (now DEC)
DoE	Department of Environment
DoIR	Department of Industry and Resources
DRF	Declared Rare Flora
EPP	Environmental Protection Policy
GIS	Geographical Information System
ha	Hectare (10,000 square metres)
TEC	Threatened Ecological Community
WRC	Water and Rivers Commission (now DEC)