



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 6069/3
Permit Holder:	City of Gosnells
Duration of Permit:	28 June 2014 – 28 June 2019

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 constructing a dual lane carriageway.

2. Land on which clearing is to be done

Southern River Road reserves (PINs 11871359, 11875524, 11854328, 11996309, 11875599, 11875623), Southern River
Furley Road reserve (PIN 11713772), Southern River
Lot 21 on Diagram 41667, Southern River
Lot 57 on Deposited Plan 45921, Southern River
Ranford Road reserve (PIN 11869110), Forrestdale
Ranford Road reserve (PIN 11843228), Harrisdale
Lot 1628 on Plan 3316, Southern River
Lot 1770 on Deposited Plan 3315, Southern River
Lot 1769 on Deposited Plan 3315, Southern River

3. Area of Clearing

The Permit Holder must not clear more than 2.39 hectares of native vegetation within the combined areas hatched yellow on attached Plan 6069/3a and Plan 6069/3b.

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 for the activities described in condition 1 of this Permit to the extent that the Permit Holder has the power to carry out works involving clearing for those activities under the *Local Government Act 1995* or any other written law.

PART II – MANAGEMENT CONDITIONS

6. 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.

7. 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) ensure that no *dieback* or *weed*-affected soil, *mulch*, *fill* or other material is brought into the area to be cleared; and
- (c) restrict the movement of machines and other vehicles to the limits of the areas to be cleared.

DEFINITIONS

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

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

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 any plant -

- (a) that is a declared pest under section 22 of the *Biosecurity and Agriculture Management Act 2007*; or
- (b) published in a Department of Parks and Wildlife Regional Weed Rankings Summary, regardless of ranking; or
- (c) not indigenous to the area concerned.

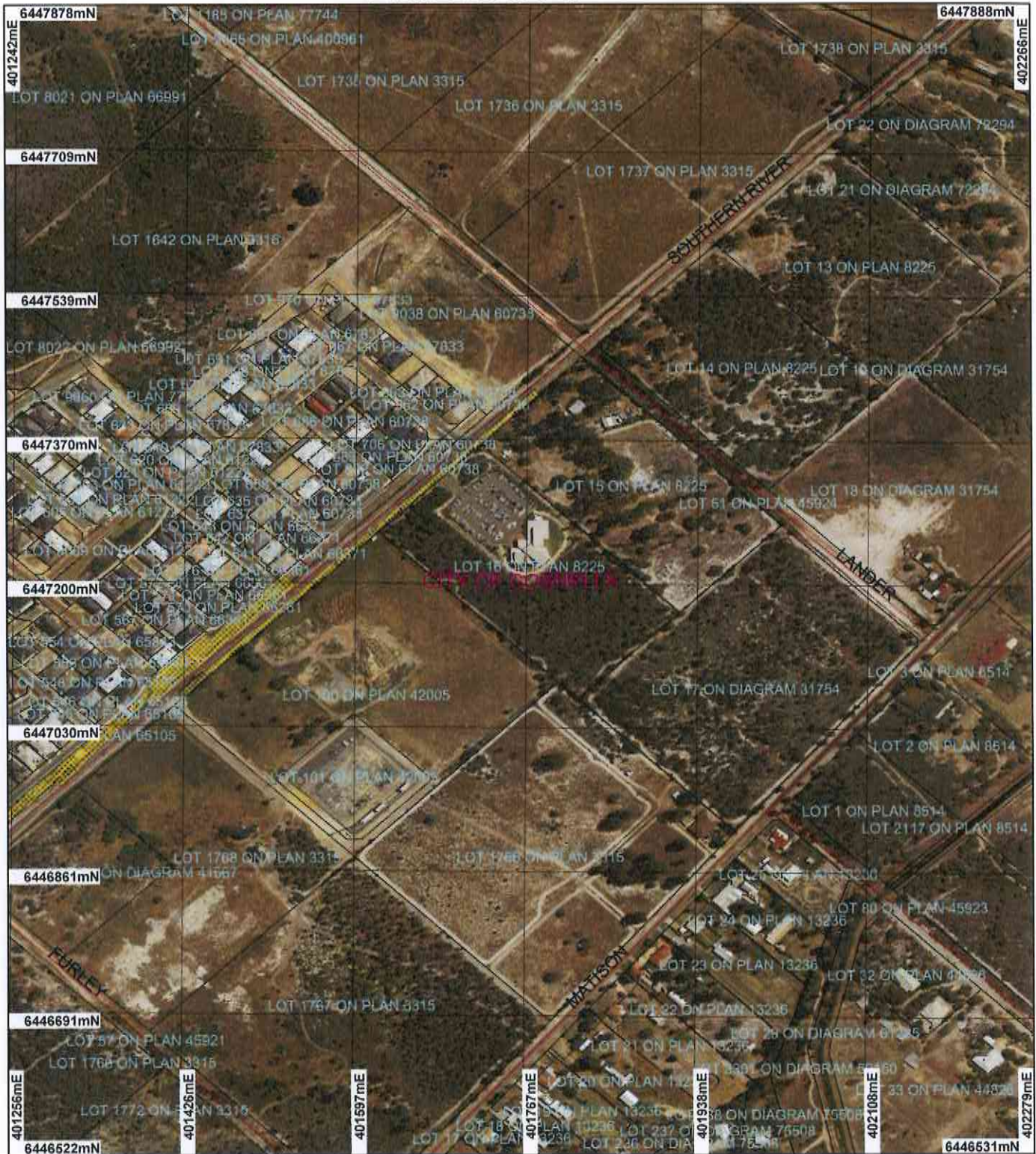


M Warnock
SENIOR MANAGER
CLEARING REGULATION

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

22 January 2015

Plan 6069/3 a



LEGEND

- Road Centrelines
- Cadastre
- Local Government Authorities
- Perth Metropolitan Area Central 15cm Orthomosaic - Landgate 2012
- Clearing Instruments
- Areas Approved to Clear

Scale 1:6000
(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

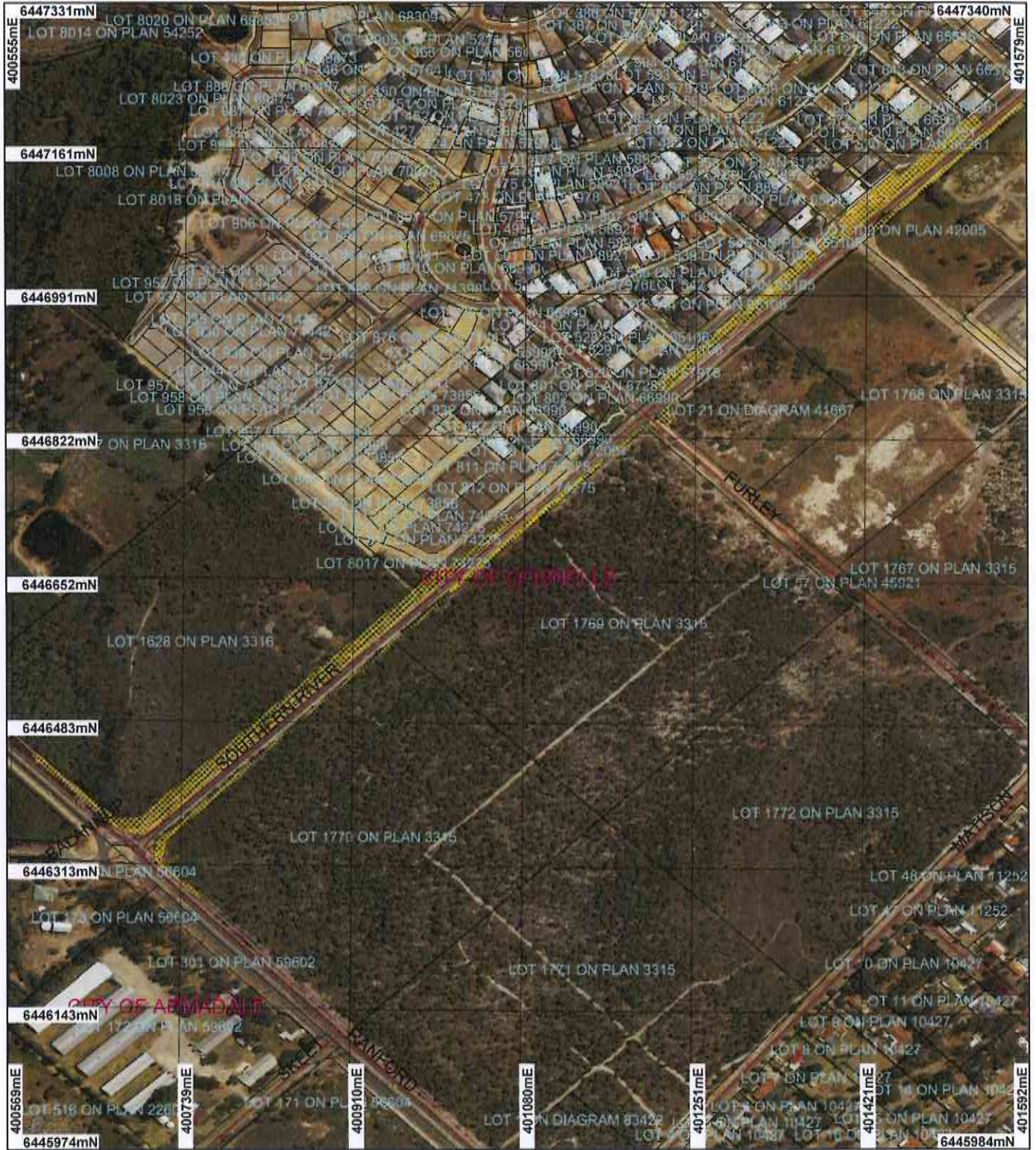
M Warnock 22/1/15
Date

M Warnock
Officer with delegated authority under Section 20 of the Environmental Protection Act 1986

Information derived from this map should be confirmed with the data custodian acknowledged by the agency acronym in the legend.

Government of Western Australia
Department of Environment Regulation
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Plan 6069/3 b



LEGEND

- Road Centrelines
- Cadastre
- Local Government Authorities
- Perth Metropolitan Area
- Central 15cm Orthomosaic - Landgate 2012
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M Warnock Date 22/1/15
M Warnock
Officer with delegated authority under Section 20 of the Environmental Protection Act 1986

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Clearing Permit Decision Report

Government of Western Australia
Department of Environment Regulation

1. Application details

1.1. Permit application details

Permit application No.: 6069/3
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: City of Gosnells

1.3. Property details

Property: LOT 1628 ON PLAN 3316 (Lot No. 1628 RANFORD SOUTHERN RIVER 6110)
LOT 1770 ON PLAN 3315 (Lot No. 1770 SOUTHERN RIVER SOUTHERN RIVER 6110)
LOT 1769 ON PLAN 3315 (Lot No. 1769 FURLEY SOUTHERN RIVER 6110)
ROAD RESERVE (SOUTHERN RIVER 6110)
ROAD RESERVE (HARRISDALE 6112)
ROAD RESERVE (FORRESTDALE 6112)
Local Government Area: City of Gosnells
Colloquial name:

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
2.39		Mechanical Removal	Road construction or maintenance

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 22 January 2015

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
Mapped Beard Vegetation Association 1001 is described as medium very sparse woodland consisting of jarrah, with low woodland of banksia & casuarina (Shepherd et al 2001).	The proposed clearing consists of up to 2.39 hectares of native vegetation within Lot 21 on Diagram 41667, Lot 57 on Deposited Plan 45921, Lot 1628 on Plan 3316 and Lot 1770 and Lot 1769 on Plan 3315, Furley Road, Southern River Road and Ranford Road reserves in Southern River, Forrestdale and Harrisdale for the purpose of constructing a dual lane carriageway.	Completely Degraded: No longer intact; completely/almost completely without native species (Keighery 1994) to Excellent: Vegetation structure intact; disturbance affecting individual species, weeds non-aggressive (Keighery 1994)	The vegetation and description of the application area was determined via a site inspection (DER 2014), flora survey (360 Environmental 2014) and aerial imagery.

3. Assessment of application against clearing principles

Comments

The proposal is to clear up to 2.39 hectares of native vegetation within Lot 21 on Diagram 41667, Lot 57 on Deposited Plan 45921, Lot 1628 on Plan 3316 and Lot 1770 and Lot 1769 on Plan 3315, Furley Road, Southern River Road and Ranford Road reserves in Southern River, Forrestdale and Harrisdale for the purpose of constructing a dual lane carriageway. The application is to increase the previously approved clearing from 1.25 hectares, comprising vegetation in degraded to completely degraded (Keighery 1994) condition (DER 2014), to 2.39 hectares. The additional area extends the application area to the south west and includes vegetation ranging from completely degraded (Keighery 1994) to excellent condition (360 Environmental 2014).

There are several rare and priority flora species mapped within the local area (five kilometre radius). These species are not likely to occur within the north eastern section of the application given the dominance of invasive exotic grass species in this area (DER 2014). A flora survey of the south western section identified a Priority 3 species (360 Environmental 2014). The Department of Parks and Wildlife (2014) has advised that the removal of the Priority 3 species from within the application area is not likely to impact on its conservation status. The flora survey did not reveal the presence of any rare flora within close proximity to the amended application area (360 Environmental 2014).

The closest priority or threatened ecological community is approximately 1200 metres from the application area and is described as 'Shrublands and woodland on Muchea Limestone'. The vegetation under application is not representative of this community and is therefore not considered necessary for its maintenance.

Given that the application area is predominantly in a degraded to completely degraded (Keighery 1994) condition, its linear shape and relatively small extent (2.39 hectares), it is not likely that the proposed clearing will impact on significant habitat for indigenous fauna.

The national objectives and targets for biodiversity conservation in Australia has a target to prevent clearance of ecological communities with an extent below 30 per cent of that present pre-1750, below which species loss appears to accelerate exponentially at an ecosystem level (Commonwealth of Australia, 2001). Within constrained areas (areas of urban development in cities and major towns) on the Swan Coastal Plain, the target for representation of the pre-clearing extent of a particular native vegetation complex is 10 per cent (EPA 2006). The area under application is classified as a constrained area.

The City of Gosnells retains approximately 30 per cent pre-European vegetation (Government of Western Australia 2013) and the two mapped vegetation types within the application area (Beard Vegetation Association 1001 and Heddle Vegetation Southern River Complex) retain approximately 25 and 20 per cent pre-European vegetation respectively.

The north eastern portion of the application area occurs within a mapped multiple use wetland and the south western portion falls within a conservation management category wetland. The proposed clearing is therefore likely to include riparian vegetation. Clearing within these wetlands involves the widening of existing encroachments of Ranford Road and Southern River Road into these wetlands. Given this, and the prominence of vegetation in degraded to completely degraded (Keighery 1994) condition, the impact of the proposed clearing upon these wetlands is not likely to be significant.

Given the relatively small, linear area under application, it is not likely that the proposed clearing will cause appreciable land degradation or cause or exacerbate the intensity of flooding. The proposed clearing may impact on surface water within the wetlands with increased sedimentation. However, this is expected to be minimal and short-term as the project progresses towards completion.

A portion of the application area located on the southern side of Southern River Road lies adjacent to Bush Forever Site 413 known as 'Balyannup Lake and adjacent bushland, Southern River/Forrestdale'. A nature reserve exists opposite the application area along Ranford Road. Although the proposed clearing is unlikely to significantly impact these areas, it may increase the risk of weeds and dieback spreading into this site during works. Weed and dieback management practices will assist in mitigating this risk.

Given the above, the proposed clearing is at variance to Principle (f) and is not likely to be at variance to any of the remaining clearing Principles.

Methodology

References:

- Department of Parks and Wildlife (2014)
- DER (2014)
- Keighery (1994)
- EPA (2006)
- Government of Western Australia (2013)
- Commonwealth of Australia (2001)
- 360 Environmental (2014)

GIS Databases:

- SAC Bio Datasets (Accessed December 2014)
- Geomorphic Wetlands, Swan Coastal plain
- Hydrography, linear
- Hydrography, hierachy
- DPaW Tenure
- Bush Forever

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

Comments

The City of Gosnells and the City of Armadale have a formal agreement regarding the works on Ranford Road where it encroaches on the City of Armadale (City of Gosnells 2014).

There have been no submissions received from the general public in response to the proposed clearing.

Methodology

Reference:

- City of Gosnells (2014)

GIS Databases:

- EPP, SCP Lakes

- Clearing Regulations - Environmentally Sensitive Areas

4. References

- 360 Environmental (2014) Targeted Flora Survey - Southern River Road Duplication (DER Ref: A828785).
- City of Gosnells (2014) Advice received in relation to clearing permit application CPS 6069/3 received 18 November 2014. Shire of Manjimup (DER Ref: A832434).
- Commonwealth of Australia (2001) National Objectives and Targets for Biodiversity Conservation 2001-2005, Canberra.
- Department of Parks and Wildlife (2014) Advice received in relation to clearing permit application CPS 6069/3 received 30 December 2014. Department of Parks and Wildlife (DER Ref: A849029).
- DER (2014) Site Inspection Report for Clearing Permit Application CPS 6069/1. Site inspection undertaken 13/05/2014. Department of Environment Regulation, Western Australia (DER Ref A763994).
- EPA (2006) Guidance for the Assessment of Environmental Factors - Level of Assessment for Proposals Affecting Natural Areas Within the System 6 Region and Swan Coastal Plain Portion of the System 1 Region. Guidance Statement No 10. Environmental Protection Authority, Western Australia.
- Government of Western Australia (2013) 2012 Statewide Vegetation Statistics incorporating the CAR Reserve Analysis (Full Report). Current as of October 2012. WA Department of Environment and Conservation, Perth.
- 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.
- 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.