



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 5595/1
File Number: 2011/006888-1
Duration of Permit: From 10 August 2013 to 16 August 2015

PERMIT HOLDER

Shire of Plantagenet

LAND ON WHICH CLEARING IS TO BE DONE

Hay River Road reserve (PINs 11642474, 11642473, 11642472, 11642471 and 11696034), Narrikup and Mount Barker

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 0.26 hectares of native vegetation within the combined areas filled yellow on attached Plan 5595/1a and 5595/1b.

CONDITIONS

1. 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*:

- (a) clean earth-moving machinery of soil and vegetation prior to entering and leaving the area to be cleared;
- (b) ensure that no *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.

2. Fauna Management

- (a) Prior to undertaking any clearing authorised under this Permit, the areas shall be inspected by a *fauna specialist* who shall identify *habitat tree(s)* suitable to be utilised by fauna listed in the *Wildlife Conservation (Specially Protected Fauna) Notice*.
- (b) Prior to clearing, any *habitat tree(s)* identified by condition 2(a) shall be inspected by a *fauna specialist* for the presence of fauna listed in the *Wildlife Conservation (Specially Protected Fauna) Notice*.
- (c) Where fauna are identified in relation to condition 2(b) of this Permit, the Permit Holder shall ensure that:
 - (i) no clearing of the identified *habitat tree(s)* occurs, unless first approved by the CEO; and
 - (ii) no taking of identified fauna occurs unless first approved by the CEO.

3. Records to be kept

The Permit Holder must maintain the following records in relation to fauna management pursuant to condition 2 of this Permit:

- (a) the location of each *habitat tree* recorded using a Global Positioning System (GPS) unit set to Geocentric Datum Australia 1994 (GDA94), expressing the geographical coordinates in Eastings and Northings or decimal degrees; and
- (b) the name of each fauna species identified.

4. 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 3 of this Permit; and
 - (ii) concerning activities done by the Permit Holder under this Permit between 1 January to 31 December of the preceding calendar year.
- (b) If no clearing authorised under this Permit was undertaken between 1 January to 31 December of the preceding calendar year, a written report confirming that no clearing under this permit has been carried out, must be provided to the CEO on or before 30 June of each year.
- (c) Prior to 10 May 2015, the Permit Holder must provide to the CEO a written report of records required under condition 3 of this Permit where these records have not already been provided under condition 4(a) of this Permit.

DEFINITIONS

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

fauna clearing person means a person who has obtained a licence from the Department, issued pursuant to the *Wildlife Conservation Regulations 1970* authorising them to take fauna;

fauna specialist means a person with training and specific work experience in fauna identification or faunal assemblage surveys of Western Australian fauna;

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

habitat tree(s) means trees that have a diameter, measured at 1.5 metres from the base of the tree, of 50 centimetres or greater, that contains or has the potential to develop hollows or roosts suitable for native fauna;

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 declared under section 22 of the *Biosecurity and Agriculture Management Act 2007*; or
- (b) published in the Department of Environment and Conservation Regional Weed Assessments, regardless of ranking; or
- (c) not indigenous to the area concerned.

Wildlife Conservation (Specially Protected Fauna) Notice means those fauna taxa gazetted as rare fauna pursuant to section 14(4)(a) of the *Wildlife Conservation Act 1950* (as amended).

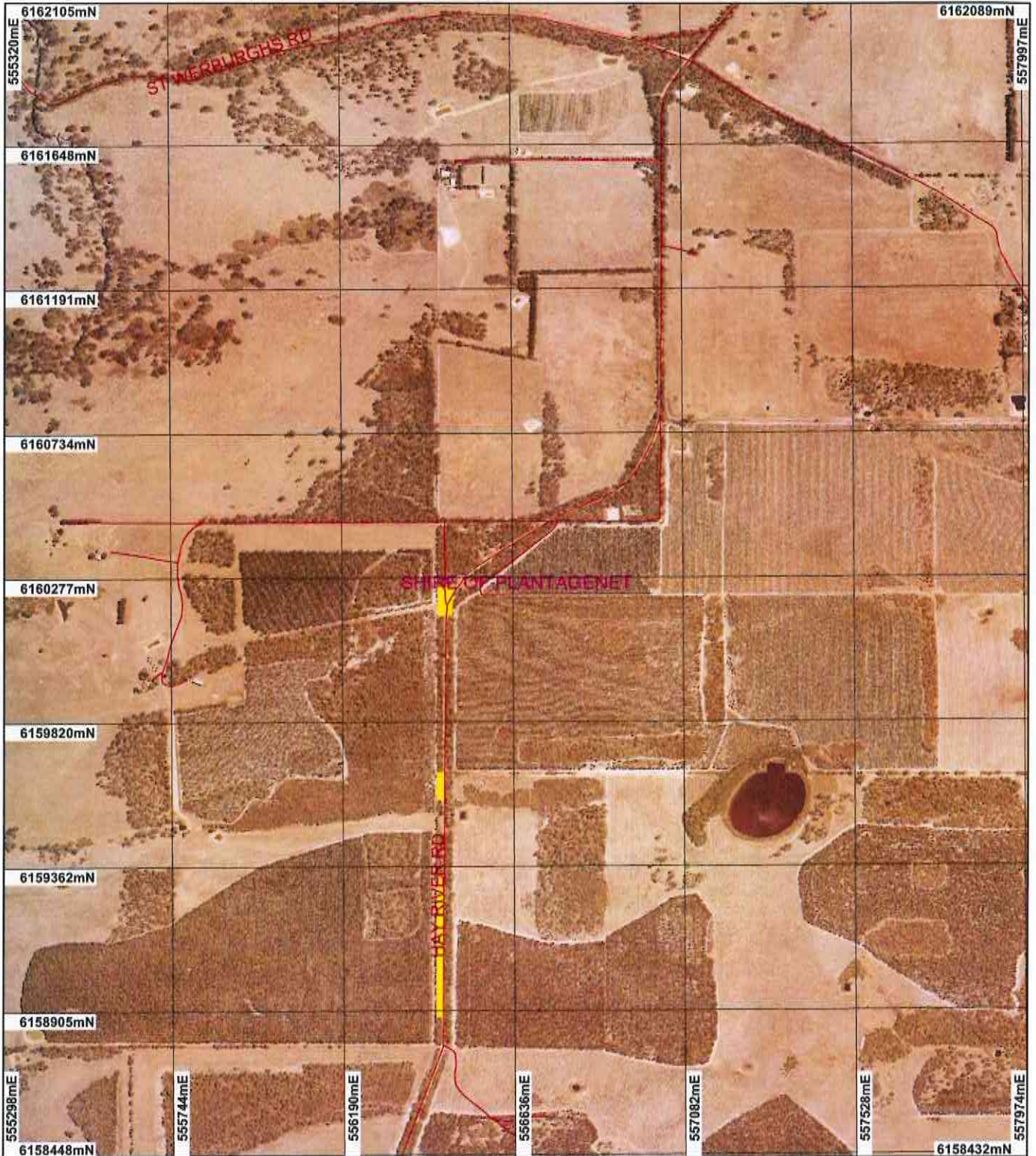
B. Walker

Belinda Walker
A / MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

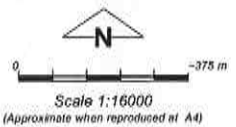
11 July 2013

Plan 5595/1a



LEGEND

- | | |
|--|--|
|  Clearing Instruments |  Road Centrelines |
|  Areas Approved to Clear | Mount Barker 50cm |
|  Local Government Authorities | Orthomosaic - Landgate |
| | 2007 |



Geocentric Datum Australia 1994

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

B. Walker Date *11/2/13*

Beilinda Walker

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.

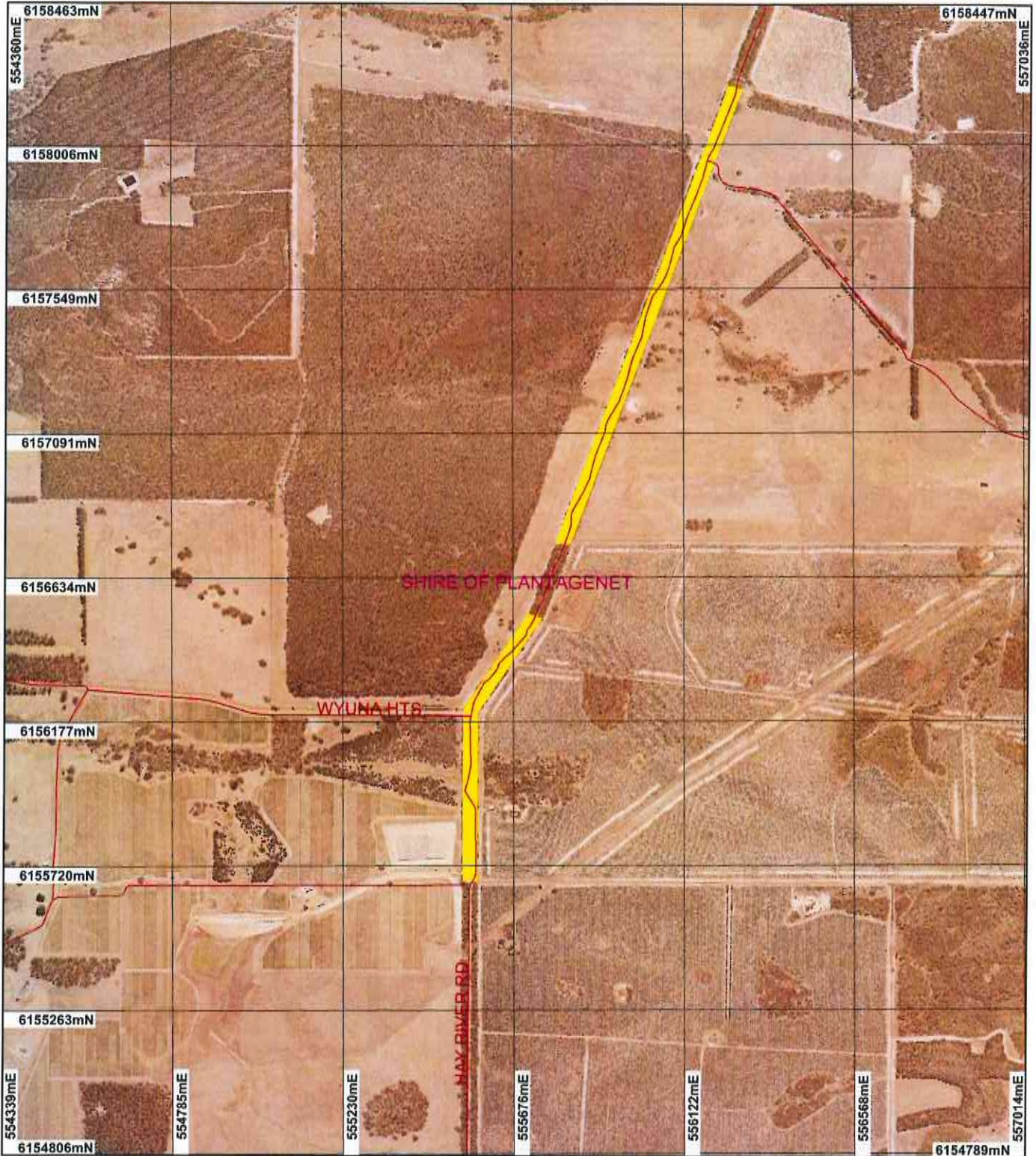


Government of Western Australia
Department of Environment Regulation

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* Project Data is denoted by asterisk. This data has not been quality assured. Please contact map author for details.

Plan 5595/1b



LEGEND

- | | |
|------------------------------|---|
| Clearing Instruments | Road Centrelines |
| Areas Approved to Clear | Mount Barker 50cm Orthomosaic - Landgate 2007 |
| Local Government Authorities | |



Scale 1:16000

(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.

B. Walker Date 11/7/13

Belinda Walker

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.



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Department of Environment Regulation

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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.: 5595/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: Shire of Plantagenet

1.3. Property details

Property: ROAD RESERVE (NARRIKUP 6326)
ROAD RESERVE (MOUNT BARKER 6324)
Local Government Area: Shire of Plantagenet
Colloquial name: Hay River Road reserve

1.4. Application

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

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 11 July 2013

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
Beard vegetation association 3: Kwonricup - Medium forest - Jarrah-marri;	The application is to clear 0.26 hectares of native vegetation for the purpose of widening a road. The vegetation under application is within a vegetated road reserve and includes 26 trees. The surrounding land use is mainly agricultural with some adjacent remnant vegetation and blue gum plantations (WICC 2012). The road reserve consists of forest, heath, low grass, herbs and low sedge, with minimal weed invasion (WICC 2012).	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	Vegetation description and condition were determined from information provided by the applicant (WICC 2012) and aerial imagery (Mount Barker 50cm Orthomosaic - Landgate 2007).
Beard vegetation association 2051: Narrikup - Sedgeland - sedges with low tree savanna woodland - paperbarks over and various sedges (Shepherd et al. 2001).	The trees under application include Eucalyptus marginata, Corymbia calophylla and Melaleuca spp. (WICC 2012). Dominant shrubs within the application area are Acacia extensa, Bossiaea ornata and Leucopogon spp. Dominant creepers are Billiardiera variifolia and B. floribunda. Dominant Herbs include Lepidosperma gracile and Boronia crenulata. Dominant grasses include Briza maxima, Austrostipa spp. and Dasyopogon bromeliifolius (WICC 2012).	To Good: Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery 1994).	

3. Assessment of application against clearing principles

Comments

The application is to clear 0.26 hectares of native vegetation for the purpose of widening Hay River Road reserve. The vegetation under application is within a vegetated road reserve and includes 26 trees.

The vegetation is considered to be in a Good (Keighery 1994) to Degraded (Keighery 1994) condition. The vegetation is described as mainly in Good condition (Keighery 1994) surrounding the trees proposed to be removed, and mainly in Excellent condition (Keighery 1994) in the surrounding road reserve (WICC 2012). The road reserve consists of forest, heath, low grass, herbs and low sedge, with minimal weed invasion (WICC 2012). Weed control management could help to reduce the spread of weeds and maintain the condition of surrounding vegetation (WICC 2012).

There are no records of rare or priority flora species, conservation areas or threatened ecological communities in the vicinity of the application area. No rare or priority flora were found within the application area when it was surveyed in January and October, 2013 (WICC 2012). Given that the application is for a small number of trees

and the immediate understorey, the proposed clearing is unlikely to cause or exacerbate land degradation or flooding, impact on water quality, or reduce the level of biological diversity within the local area.

The flora and fauna survey of the Hay River Road reserve (WICC 2012) identified five potential habitat trees containing hollows. Two of these potential habitat trees are within the application area - one Jarrah, containing three hollows, and one Marri, containing four hollows. Carnaby's (Calyptorhynchus latirostris) and Baudin's Cockatoos (Calyptorhynchus baudinii) are found within the local area. These species are listed as rare or likely to become extinct under the Wildlife Conservation Act 1950 (DEC 2007-). These species are known to nest in Jarrah and Marri hollows (Johnstone & Kirby 2008; Heydenrych 2012). The application may therefore impact the breeding habitat of these species by removing two potential habitat trees.

Two minor perennial watercourses extend to within 20 m of the application area. There does not appear to be riparian vegetation within the application area.

There is approximately 25 percent native vegetation remaining in the local area. The area is mapped as Mattiske vegetation complex Perillup (PP), which retains approximately 5 994 hectares (27 percent) of its pre-European extent within the Jarrah Forest IBRA Bioregion (Government of Western Australia 2013). The application area is within the South Coast Macro Corridor Network Area (Wilkins et al. 2006). Given the small area of vegetation applied to clear, and the Excellent (Keighery 1994) condition of vegetation within much of the surrounding road reserve (WICC 2012), the vegetation under application is not likely to be a significant remnant.

The assessment of the application identified that the proposed clearing may be at variance to principle (b) and is not likely to be at variance to any of the remaining clearing principles.

Methodology

References:

DEC 2007-
Government of Western Australia 2013
Heydenrych 2012
Johnstone & Kirby 2008
Keighery 1994
WICC 2012
Wilkins et al. 2006

GIS databases:

- DEC Tenure
- Hydrography Linear
- Mattiske Vegetation Complexes
- Mount Barker 50cm Orthomosaic - Landgate 2007
- SAC Biodatasets

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

Comments

There are four Aboriginal Sites of Significance (artefacts/scatter) which intersect with the application area. The applicant will be notified of their responsibilities under the Aboriginal Heritage Act 1972.

No public submissions have been received in relation to this application.

Methodology

4. References

- DEC (2007-) NatureMap Species Report, Created by Guest user on 09/05/2013 (A630554).
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.
- Heydenrych, B. (2012) A preliminary investigation into restoring landscapes for Carnaby's Black Cockatoos in the Fitz-Stirling area of the Gondwana Link on the south-coast of Western Australia. Greening Australia, Western Australia.
- Johnstone & Kirby (2008) Distribution, status, social organisation, movements and conservation of Baudin's Cockatoo (Calyptorhynchus baudinii) in South-west Western Australia. Records of the Western Australian Museum, vol. 25, pp. 107-118.
- 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.
- WICC (2012) Flora and Fauna Habitat Survey of Hay River Rd, Mount barker. Wilson Inlet Catchment Committee Inc Trading as WICC Works Environmental Services, Mount Barker, Western Australia.
- Wilkins, P., Gilfi Ilan, S., Watson, J. and Sanders, A. (ed). (2006) The Western Australian South Coast Macro Corridor Network - a bioregional strategy for nature conservation. Department of Conservation and Land Management and South Coast Regional Initiative Planning Team, Albany, Western Australia.

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)