



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 5231/1
File Number: 2012/006175-1
Duration of Permit: From 5 April 2013 to 5 April 2015

PERMIT HOLDER

Arrowest Pty Ltd

LAND ON WHICH CLEARING IS TO BE DONE

Lot 7 on Diagram 47817 (Baldivis 6171)

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 0.13 hectares of native vegetation within the area hatched yellow on attached Plan 5231/1.

CONDITIONS

Nil

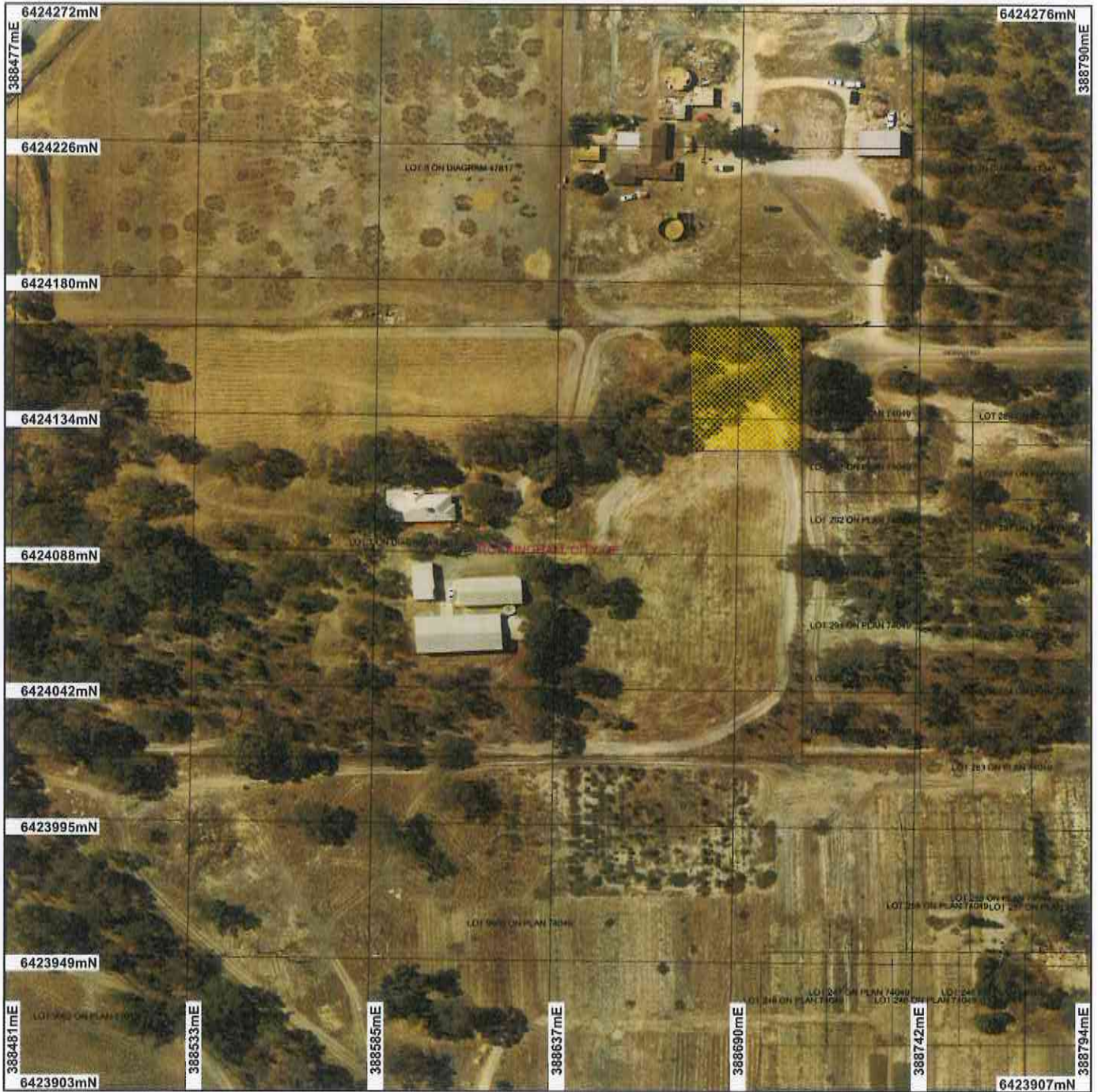
B. Walker

Belinda Walker
A/MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

14 March 2013

Plan 5231/1



LEGEND

- Road Centrelines
- Clearing
- Local Government Authorities
- Clearing Instruments
- Areas Approved to Clear

Perth Metropolitan Central
15cm Orthomosaic - Landgate
2011



Scale 1:1763
(Approximate when reproduced at Letter)

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 14/3/13
B. Walker

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



Department of Environment and Conservation
Our environment, our future
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* Project Data. This data has not been quality assured. Please contact map author for details.



1. Application details

1.1. Permit application details

Permit application No.: 5231/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: Arrowest Pty Ltd

1.3. Property details

Property: LOT 7 ON DIAGRAM 47817 (House No. 29 INGRAM BALDIVIS 6171)
Local Government Area: City of Rockingham

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.13		Mechanical Removal	Hazard reduction or fire control

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 14 March 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
Mapped Beard Vegetation Association 1001 is described as medium very sparse woodland consisting of jarrah, with low woodland of banksia & casuarina species (Shepherd et al, 2001).	This application proposes to clear 0.13 hectares of native vegetation within Lot 7 on Diagram 47817, Baldivis, for the purpose of enlarging the Ingram Road cul-de-sac.	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	The condition of the vegetation was established through aerial imagery (Perth Metropolitan South 50cm Orthomosaic-Landgate, 2011).
Mapped Hedde Vegetation Karrakatta Complex-Central and South consists of predominantly open forest of Eucalyptus gomphocephala (Tuart), Eucalyptus marginata (Jarrah), Corymbia calophylla (Marri) and woodland of Eucalyptus marginata (Jarrah) and Banksia species (Hedde et al, 1980).			

3. Assessment of application against clearing principles

Comments **Proposal is not likely to be at variance to this Principle**
This application proposes to clear 0.13 hectares of native vegetation within Lot 7 on Diagram 47817, Baldivis, for the purpose of enlarging the Ingram Road cul-de-sac. The vegetation is in a degraded (Keighery, 1994) condition.

Ten threatened fauna species have been recorded in the local area (10 kilometre radius). Given the small size of the application area, and the degraded (Keighery, 1994) condition of the vegetation under application, it is not likely to provide significant habitat for fauna indigenous to Western Australia.

The closest priority flora species (priority four) to the application area is an erect shrub, mapped 3.9 kilometres from the proposed clearing. This species occurs on a different soil and vegetation type and is therefore unlikely to occur within the area of proposed clearing.

One threatened ecological community (TEC), Sedgelands in Holocene dune swales of the southern Swan Coastal Plain, has been mapped approximately 2.8 kilometres west of the application area. The vegetation under application is not representative of that mapped within this TEC.

There is approximately 30 per cent of pre-European vegetation remaining in the City of Rockingham (Government of Western Australia, 2011). The area under application is located within the 'constrained area' of the Perth Metropolitan Region (EPA, 2006). Within this area the EPA (2006) provides for the reduction of vegetation complexes to a minimum of 10 per cent pre-European extent. The vegetation under application is not within an area that has been extensively cleared, and as the vegetation is in a degraded (Keighery, 1994) condition, it is not likely to represent a significant remnant.

Given the relatively small area proposed to be cleared and that no wetlands or watercourses occur within the application area, it is not likely the proposed clearing will cause appreciable land degradation, impact water quality, consist of riparian vegetation or cause or exacerbate the intensity of flooding.

Given the above the proposed clearing is not likely to be at variance to any of the clearing Principles.

- Methodology** **References:**
- Keighery (1994)
 - EPA (2006)
 - Government of Western Australia (2011)
- GIS Databases:
- SAC Biodatasets (accessed March 2013)
 - Soils, Statewide
 - Pre-European Vegetation
 - Mattiske Vegetation
 - Hydrography, linear

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

Comments

The application area is zoned 'development' under the town planning scheme.

No submissions from the public have been received for the proposed clearing.

The proposed clearing is to provide a turnaround area for large machinery in the Ingram Road cul-de-sac (Development Engineering Consultants, 2012).

The City of Rockingham initially advised that the proposed clearing would not be supported until such time that the pending structure plan within Lot 7 was approved (City of Rockingham, 2012). The City has since advised that planning is sufficiently advanced and the proposed clearing is now supported (City of Rockingham, 2013).

- Methodology** **References:**
- Development Engineering Consultants (2012)
 - City of Rockingham (2012)
 - City of Rockingham (2013)
- GIS Databases:
- Town Planning Scheme Zones

4. References

City of Rockingham (2012) Direct Interest Submission for CPS 5231/1. DEC Ref A550043
City of Rockingham (2013) Additional Advice for CPS 5231/1. DEC Ref A608830
Development Engineering Consultants (2012) Supporting Information for CPS 5231/1. DEC Ref A539780.
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 (2011); 2011 Statewide Vegetation Statistics incorporating the CAR Reserve Analysis (Full Report). 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.

5. Glossary

Term	Meaning
DEC	Department of Environment and Conservation
EPP	Environmental Protection Policy
GIS	Geographical Information System
ha	Hectare (10,000 square metres)
TEC	Threatened Ecological Community

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Planning instrument, Native Title, RIWI Act Licence, EP Act Licence, Works Approval, Previous EPA decision or other matter.

Comments

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- Town Planning Scheme Zones

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5. Assessor's recommendations

Comment / recommendation

The application has been assessed against the clearing principles, planning instruments and other matters in accordance with s51O of the Environmental Protection Act 1986, and the proposed clearing is not likely to be at variance to any of the clearing Principles.

6. References

- City of Rockingham (2012) Direct Interest Submission for CPS 5231/1. DEC Ref A550043
- City of Rockingham (2013) Additional Advice for CPS 5231/1. DEC Ref A608830
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