



1. Application details

1.1. Permit application details

Permit application No.: 1261/1
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: Timbercorp Forestry

1.3. Property details

Property: LOT 2151 ON PLAN 206916 (DENBARKER 6324)
LOT 6589 ON PLAN 208584 (NARRIKUP 6326)
LOT 6596 ON PLAN 174985 (NARRIKUP 6326)

Local Government Area: Shire Of Plantagenet

Colloquial name: Weber, Anning and Lymon

1.4. Application

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

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 Type: 3 - Medium forest: jarrah-marri (Hopkins et al, 2001)	The proposal comprises 5 crossovers to allow access to bluegum plantation for harvesting. The total area proposed to be cleared is 3000 square metres (or approximately 600 square metres each).	Very Good: Vegetation structure altered; obvious signs of disturbance (Keighery 1994)	The vegetation condition is generally very good with intact understorey with some areas of localised disturbance (from photos supplied by Timbercorp TRIM ref AI948).

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**
Photographs taken of the areas under application (AI948) show that the vegetation is in good to excellent condition, but contain vegetation types which are relatively common. While the areas do contain important levels of biodiversity, due to the small area proposed to be cleared, it is considered that removal of this vegetation is not likely to be at variance with this Clearing Principle.

Methodology Site photos (TRIM ref AI948)

(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**
Aerial photography and photos taken at the sites indicate that while the vegetation is in good to excellent condition and is likely to have habitat values, removal of the small area under application is not likely to be at variance with this Clearing Principle.

Methodology Site photos (TRIM ref AI948)
GIS Database:
- Denmark Orthomosaic, DOLA 2001

(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 following significant flora has been identified from the CALM GIS database-

Annings Property (Springs Rd):
 -5km to the north west- *Pluerophascum occidentale* (Priority 4)
 -8km to the north west and 8km to north east- *Caladenia christineae* (Declared Rare Flora (DRF))
 Within 8km of Lymon and Weber sites (The Pass Rd and Greeuw Rd):
 -*Lambertia orbifolia* subsp. *orbifolia* (DRF)
 -*Synaphea incurva* (Priority 1)
 -*Verticordia apecta* (DRF)
 -*Pleurophascum occidentale* (Priority 4)
 -*Andersonia* sp Mitchell River (Priority 1)
 -*Verticordia endlicheriana* var. *angustifolia* (Priority 2)
 -*Eucalyptus goniantha* subsp. *goniantha* (Priority 4)
 -*Drakea livida*
 -*Synaphea preissii* (Priority 3)
 -*Banksia goodii* (DRF)
 -*Caladenia plicata* (Priority 4)
 -*Conostylis misera* (DRF)
 -*Laxmannia jamesii* (Priority 4)
 -*Centrolepis caespitosa* (DRF)

Local databases have indicated that there is not likely to be a high risk of significant flora at the sites under application. Therefore the proposal is not likely to be at variance with this Clearing Principle.

Methodology CALM (TRIM ref A1973)
 GIS Database:
 -Declared Rare and Priority Flora List - CALM 01/07/05

(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**
 The vegetation of the area under application has not been identified as a Threatened Ecological Community.

Methodology GIS Dataset
 -Threatened Ecological Communities - CALM 15/7/03

(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 areas under application are located in the Jarrah Forest bioregion in the Shire of Plantagenet. The extent of native vegetation remaining in these areas is 58.7% and 47.8% respectively (Hopkins et al. 2001).

The vegetation of the area applied to clear is a component of Beard Unit 3(Hopkins et al., 2001 Medium Forest; Jarrah Marri with 72.1% (Shepherd et al. 2001) of the pre-European extent remaining, and therefore of 'least concern' status for biodiversity conservation (Department of Natural Resources and Environment 2002).

The areas proposed to be cleared are small and the clearing is not considered to be at variance with this Clearing Principle.

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Methodology Department of Natural Resources and Environment (2002)
 Hopkins et al., (2001)
 Shepherd et al., (2001)
 GIS databases:
 - Interim Biogeographic Regionalisation of Australia - EM 18/10/00
 - Local Government Authorities - DLI 8/07/04
 - Pre European Vegetation - DA 01/01

(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 are no wetlands or watercourses within 400m of the areas under application and due to location of the proposed crossovers and the small area proposed to be cleared it is unlikely that the proposal is at variance with this Clearing Principle.

Methodology Water and Rivers Commission Position Statement: Wetlands (06/06/01)

- GIS databases:
- ANCA, Wetlands - CALM 08/01
 - Hydrography Linear - DoE 1/2/04
 - RAMSAR, Wetlands - CALM 21/10/02

(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**
 Due to the small area proposed to be cleared, it is unlikely that salinity, erosion, waterlogging, eutrophication or change in pH is likely to occur as a result of this proposal.

Methodology GIS databases:
 - Salinity Risk LM 25m - DOLA 00.
 - Groundwater Salinity, Statewide - 22/02/00

(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 Weber crossovers are approximately 1km from the eastern boundary of the Mt Lindsay National Park. The Lymon crossover is approximately 3km from the eastern boundary of the Mt Lindsay National Park. The Anning crossover is approximately 3.2km north east of Mt Roe National Park and 3.2km south west of Pardelup Nature Reserve.
 Due to the small area of clearing proposed (0.3ha), and the distance from conservation areas, it is considered that the proposal is not likely to be at variance with this Clearing Principle.

Methodology GIS database:
 - CALM Managed Lands and Waters - CALM 1/06/04

(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 areas under application are not within a RIWI ground water, surface water or irrigation area. Annings is adjacent to, but not within the Kent Country Areas Water Supply Act (1947) area. Due to the small area of the proposal clearing, it is considered that the clearing will not be at variance with this Clearing Principle.

Methodology GIS databases:
 - Hydrographic Catchments, Catchments - DoE 3/4/03
 - Public Drinking Water Source Areas (PDWSAs) - DOE 29/11/04
 - RIWI Act, Groundwater Areas - WRC 13/06/00
 - RIWI Act, Irrigation Districts - WRC 13/03/02
 - RIWI Act, Surface water Areas - WRC 18/10/02

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

Comments **Proposal is not likely to be at variance to this Principle**
 Due to the scale of the proposed clearing, flooding impacts are unlikely to occur.

Methodology GIS database:
 - Topographic Contours, Statewide - DOLA 12/09/02

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

Comments
 No submissions were received regarding this proposal.
 The Shire of Plantagenet have given approval for the cross overs to be constructed.
 The proposal is not known to be at variance with any planning instruments, EPA decisions or other matters.

Methodology

4. Assessor's recommendations

Purpose	Method	Applied area (ha)/ trees	Decision	Comment / recommendation
Road construction or	Mechanical Removal	0.3	Grant	It is recommended that the application be granted as the proposal is either not at variance or not likely to be at variance with the Clearing Principles. It is advised that Timbercorp adhere to Main Road Department standards for large vehicle crossovers

5. References

- 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.
- Hopkins, A.J.M., Beeston, G.R. and Harvey J.M. (2001) A database on the vegetation of Western Australia. Stage 1. CALMScience after J. S. Beard, late 1960's to early 1980's Vegetation Survey of Western Australia, UWA Press.
- 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, Extent, Type and Status. Resource Management Technical Report 249. Department of Agriculture, Western Australia.

6. Glossary

Term	Meaning
CALM	Department of Conservation and Land Management
DAWA	Department of Agriculture
DEP	Department of Environmental Protection (now DoE)
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 DoE)