



GOVERNMENT OF
WESTERN AUSTRALIA

CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 3680/1

File Number: DEC14905

Duration of Permit: From 13 June 2010 to 13 June 2012

PERMIT HOLDER

Antonio Fiorenza

LAND ON WHICH CLEARING IS TO BE DONE

Lot 409 on Plan 101944

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 0.5 hectares of native vegetation within the hatched yellow on attached Plan 3680/1.

CONDITIONS

Nil.

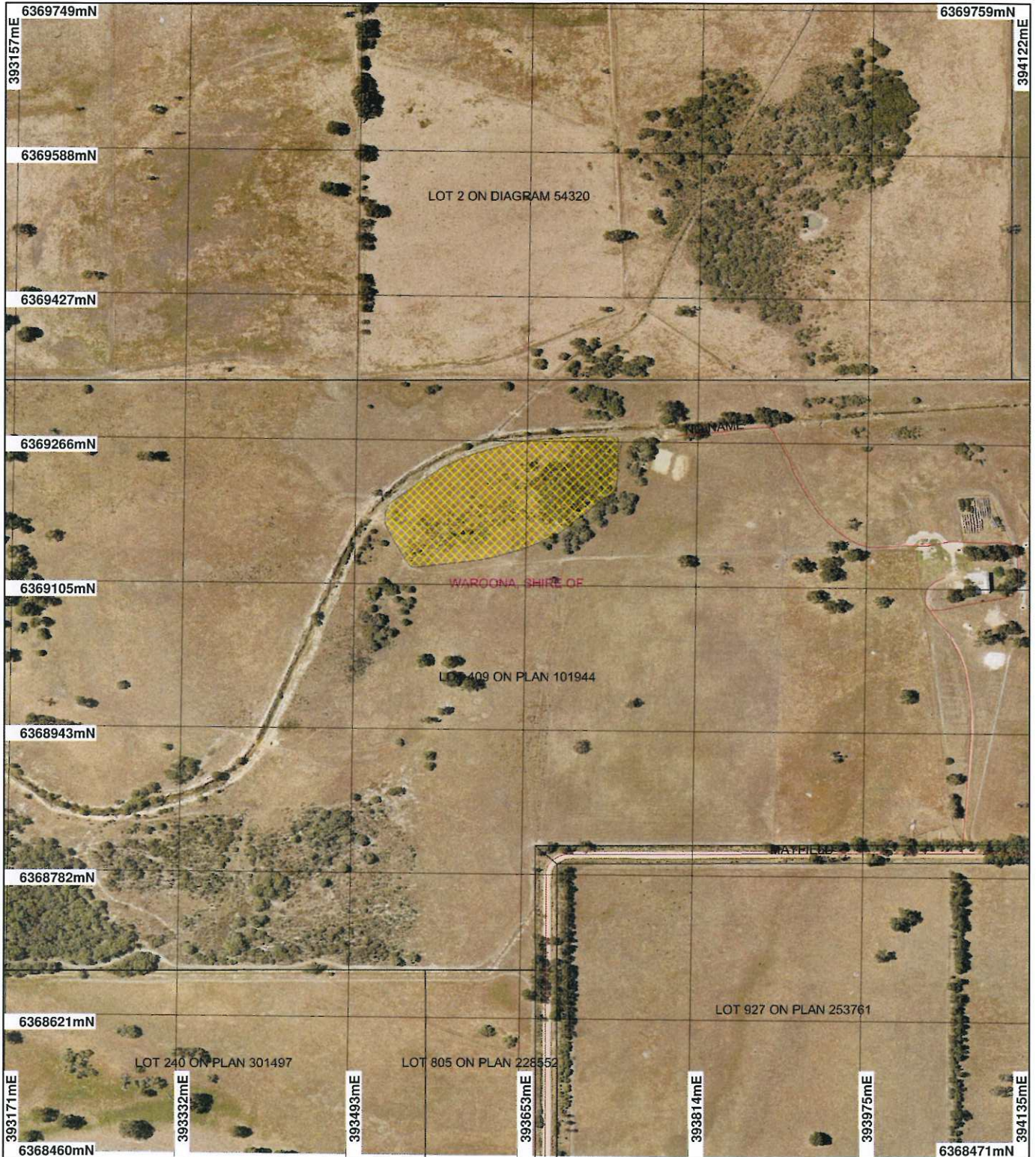
A handwritten signature in black ink, appearing to read 'K Faulkner', written over a horizontal line.

Kelly Faulkner
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

13 May 2010

Plan 3680/1



LEGEND

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

Swan Coastal Plain South
20cm Orthomosaic - Landgate
2009



Scale 1:5682

(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.

Date 13/5/10

K. Faulkner
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.



Department of
Environment and Conservation

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1. Application details

1.1. Permit application details

Permit application No.: 3680/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: Antonio Fiorenza

1.3. Property details

Property: LOT 409 ON PLAN 101944 (House No. 1033 MAYFIELD WAROONA 6215)
Local Government Area: Shire of Waroona

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.5		Mechanical Removal	Grazing & Pasture

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: 968: Medium woodland; jarrah, marri & wandoo (Shepherd, 2007)	Vegetation to be cleared consists of areas of scattered trees with little under storey and areas of shrub species. It is surrounded by highly cleared farmland and is considered to be in degraded to completely degraded (Keighery, 1994) condition.	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	Vegetation condition was determined from aerial photography.
Hedde Vegetation Complex: 35; Serpentine River Complex: Closed scrub of Melaleuca species and fringing woodland of Eucalyptus rudis (Flooded Gum) - Melaleuca raphiophylla (Swamp Paperbark) along streams. (Hedde, 1980)	As above.	Completely Degraded: No longer intact; completely/almost completely without native species (Keighery 1994)	As above.

3. Assessment of application against clearing principles

Comments **Proposal is not likely to be at variance to this Principle**

The proposal is to clear 0.5 hectares of native of vegetation, within an area of approximately 2.14 hectares on Lot 409 on Plan 101944, Waroona for the purpose of farming and cattle grazing. The vegetation consists of an area of scattered trees with little under storey and areas of shrub species. The vegetation is considered to be in degraded to completely degraded (Keighery, 1994) condition. The applicant has advised that trees are to be retained and the proposed clearing only applies to understorey and shrub species.

Several declared rare flora (DRF) species have been recorded within a 10km radius of the area under application, however, except for *Eleocharis keigheryi* (3.8km E) rare flora were mapped as occurring within vegetation and soil complexes that differ to the applied area. Given that stock have previously accessed the area under application and that *Eleocharis keigheryi* prefers seasonally inundated areas (DEC, 2010), it is considered unlikely that the vegetation meets the habitat requirements of this taxon (DEC, 2010).

Due to its relatively small size (0.5ha) and degraded to completely degraded (Keighery, 1994) condition, the area under application is considered unlikely to provide significant habitat for native fauna or to hold significant

biodiversity values for the region. As the vegetation under application is in degraded to completely degraded (Keighery, 1994) condition it is no longer representative of the Beard vegetation association (Beard 968) or Heddle vegetation complex (Heddle 35) mapped as occurring within the applied area.

Given the above, the proposed clearing is unlikely to have any significant environmental impacts and is not likely to be at variance to the clearing principles.

Methodology References:
DEC, 2010
Keighery, 1994

GIS Databases:

- CALM Managed Lands & Waters - CALM 01/06/05
- Clearing Regulations - Environmentally Sensitive Areas - 30 May 2005
- Groundwater Salinity, statewide - DoW 13/07/06
- Heddle Vegetation Complexes - DEP 22/06/1995
- Hydrogeographic Catchments, Catchments - DoW 01/06/07
- Hydrogeology, statewide - DOW 13/07/06
- Hydrography, linear DOW 13/7/06
- Pre-European vegetation - DA 01/01
- Mean Annual Rainfall Isohyets (1975 - 2003) - DEC 02/08/05
- SAC Biodatasets 27/04/2010
- Swan Coastal Plain South 20cm Orthomosaic - Landgate 2009

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

Comments

No submissions from the public have been received.

Methodology

4. Assessment recommendations

Comment

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 the clearing Principles.

5. References

- DEC (2010) Flora advice, Strategic Projects Section. Department of Environment and Conservation DEC Ref: A301667
- Heddle, 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. (2007) 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.

6. Glossary

Term	Meaning
CALM	Department of Conservation and Land Management (now DEC)
DAFWA	Department of Agriculture and Food
DEC	Department of Environment and Conservation
DEP	Department of Environmental Protection (now DEC)
DoE	Department of Environment (now DEC)
DoW	Department of Water
DMP	Department of Mines and Petroleum (ex DoIR)
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)