



# YARINDURY FLORA RESERVE NO. 61

SITE SPECIFIC WORKING PLAN

## Contents

|     |                                                                 |    |
|-----|-----------------------------------------------------------------|----|
| 1.  | DETAILS OF THE RESERVE.....                                     | 3  |
| 1.1 | LOCATION.....                                                   | 3  |
| 1.2 | KEY ATTRIBUTES OF THE RESERVE.....                              | 3  |
| 1.3 | GENERAL DESCRIPTION .....                                       | 3  |
|     | Area .....                                                      | 3  |
|     | Topography .....                                                | 3  |
|     | Geology and soils .....                                         | 3  |
|     | Climate .....                                                   | 4  |
|     | Vegetation/flora and fauna .....                                | 4  |
| 1.4 | HISTORY.....                                                    | 4  |
|     | Aboriginal History and Cultural Values .....                    | 4  |
|     | Post European Settlement Harvesting.....                        | 4  |
|     | Fire .....                                                      | 4  |
| 1.5 | CURRENT USAGE .....                                             | 5  |
| 2.  | SYSTEM OF MANAGEMENT .....                                      | 5  |
| 2.1 | OBJECTIVES OF MANAGEMENT .....                                  | 5  |
| 2.2 | MANAGEMENT STRATEGIES .....                                     | 5  |
|     | Weeds .....                                                     | 6  |
|     | Trail maintenance .....                                         | 6  |
|     | Permitted activities .....                                      | 6  |
|     | Mining .....                                                    | 7  |
| 2.3 | MANAGEMENT RESPONSIBILITY .....                                 | 7  |
| 2.4 | MONITORING, REPORTING AND REVIEW .....                          | 8  |
| 3.  | LIST OF APPENDICES .....                                        | 8  |
|     | APPENDIX 1 – LOCALITY MAP .....                                 | 9  |
|     | APPENDIX 2 – TOPOGRAPHIC MAP .....                              | 10 |
|     | APPENDIX 3 – FLORA SPECIES LIST .....                           | 10 |
|     | APPENDIX 4 – FAUNA SPECIES LIST .....                           | 11 |
|     | APPENDIX 5 – APPROVAL AND AMENDMENTS FROM PREVIOUS VERSION..... | 12 |

This site-specific working describes the important values of an individual flora reserve and identifies site-specific priorities for management. The plan is to be read in conjunction with the Flora Reserve Plan: Background and General Management document, which identifies Forestry Corporation's broad objectives and strategies for managing flora reserves. These two documents together form the flora reserve working plan in line with the requirements of section 25 of the *Forestry Act 2012*.

# 1. DETAILS OF THE RESERVE

## 1.1 LOCATION

Yarindury Flora Reserve is situated 33 kilometres east of Dubbo in a direct line distance in the Central West region of NSW. The reserve is located within Yarindury State Forest No. 713. The main access is through the property 'Yarindury', located four kilometres along the Muronbong-Goolma Road, while secondary access is available through the property 'Kalonga', located about 10 kilometres from the village of Ballimore, along the Ballimore to Geurie Road. See Locality Map in Appendix 1.

## 1.2 KEY ATTRIBUTES OF THE RESERVE

Under the *Forestry Act 2012*, flora reserves are set apart for the preservation of native flora.

The reserve possesses the following identified attributes that are to be protected:

- » Flora and fauna that may act as a reference point for assessing the effects of land utilisation of other similar forest stands in the area
- » Flora and fauna that may assist in understanding the growth processes in natural forests
- » Flora and fauna that may be used for limited scientific studies with the fundamental aim of preservation.

## 1.3 GENERAL DESCRIPTION

### Area

The reserve is rectangular in shape, measuring 604 metres by 804 metres, giving it an area of approximately 49 hectares.

### Topography

The reserve is located on a low ridge top on a mainly flat plateau. There is a gentle fall over the northern half of the reserve to the east and northeast. Two shallow gullies drain the southern half, falling to the southwest. The reserve has an altitude of about 430 metres above sea level. Refer to Appendix 2 for topographic map.

### Geology and soils

Soils in the reserve are mainly brown sandy loam, although small outcrops of quartz and ironstone gravel occur.

|                                                                                                                      |               |                       |                        |
|----------------------------------------------------------------------------------------------------------------------|---------------|-----------------------|------------------------|
| Flora Reserve Plan: Yarindury Flora Reserve Site-Specific Working Plan                                               |               | Version No.: 2        | Page 3                 |
| Document ID: D25/18697                                                                                               | Owner: FMS IC | Issue date: June 2025 | Review date: June 2035 |
| WARNING: a printed copy of this document may be uncontrolled. Please verify this is the latest version prior to use. |               |                       |                        |

## Climate

The climate is classified as warm temperate with hot summers and cold winters. The climate of the reserve is similar to that of nearby Dubbo, which has a mean annual rainfall of 584 millimetres, with summer rain marginally predominating and early spring generally the driest period of the year. There are, however, great variations in both annual rainfall and its seasonal incidence, and the vegetation has to be able to withstand periodic severe drought. The mean maximum temperature in January is 33°C and the mean minimum temperature in July is 2.7°C.

## Vegetation/flora and fauna

The major feature of the vegetation of the reserve is the presence of forest communities dominated by Black Cypress Pine (*Callitris endlicher*), usually in association with various eucalypts. Such stands are usually an indicator of soils of relatively low fertility or productive capacity. Eucalypt species present include Mugga Ironbark (*Eucalyptus sideroxylon*), Narrowleaved Ironbark (*E. crebra*), White Box (*E. albens*), Grey Box (*E. woollsiana* ssp. *microcarpa*) and Blakely's Red Gum (*E. blakelyi*).

The understorey is of light density and mainly consists of Cypress Pine regeneration, wattle, and *Hibbertia* sp. A very light grass cover occurs in the more open parts of the reserve.

Native fauna known to occur in the area include kangaroos and wallabies. Foxes and rabbits also frequent the area. Appendix 3 and 4 outline a list of flora and fauna species known to occur within the reserve.

## 1.4 HISTORY

### Aboriginal History and Cultural Values

Yarindury Flora Reserve is located within the traditional lands of the Wiradjuri people. There are no known Aboriginal cultural heritage sites in this reserve.

### Post European Settlement

#### Harvesting

Some light disturbance may have occurred in the form of the isolated removal of pine logs and hardwood sleeper trees prior to 1971, which was when the reserve was surveyed.

#### Fire

Fire has been part of the Australian landscape for at least the last 60,000 years and most forests have experienced fire multiple times over many centuries. The reserve will be accorded the same protection as the surrounding forest area. Prescribed burning is not practiced in the forest types that occur in the reserve.

|                                                                                                                             |               |                       |                        |
|-----------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------|------------------------|
| Flora Reserve Plan: Yarindury Flora Reserve Site-Specific Working Plan                                                      |               | Version No.: 2        | Page 4                 |
| Document ID: D25/18697                                                                                                      | Owner: FMS IC | Issue date: June 2025 | Review date: June 2035 |
| <b>WARNING: a printed copy of this document may be uncontrolled. Please verify this is the latest version prior to use.</b> |               |                       |                        |

## 1.5 CURRENT USAGE

The reserve receives very limited recreational usage. There are no established recreation sites in the forest.

## 2. SYSTEM OF MANAGEMENT

### 2.1 OBJECTIVES OF MANAGEMENT

Under the *Forestry Act 2012*, flora reserves are set apart for the preservation of native flora. The main objective of Yarindury Flora Reserve is to preserve the flora and fauna with minimal human disturbance.

The objects of management will be to:

- » Preserve the ecological quality of the existing forest stands
- » Preserve the habitat of native fauna species

A supplementary plan may be developed to enable an adaptive management approach to detail further specific actions and activities for outcomes that match the objectives, actions and activities for this flora reserve. Any supplementary plan must be consistent with the identified objectives of this working plan, Forest Management Zoning applicable to the flora reserve and have a review date not exceeding that of the working plan. Supplementary plans must be approved by the General Manager responsible for the flora reserve.

### 2.2 MANAGEMENT STRATEGIES

The broad management strategies and related actions to preserve native flora and improve the value and extent of habitat in State forest flora reserves are detailed in the Flora Reserve Management Plan: Background and General Management document, which is to be read in conjunction with this plan. Specific additional management strategies applied in this flora reserve may include:

- » Property maintenance, through:
  - establishment and maintenance of appropriate boundary fences, gates and signs
  - removal of unnecessary fencing
  - maintenance of tracks.
- » Conservation and improvement of habitat, through:
  - maintenance of native vegetation

|                                                                                                                             |               |                       |                        |
|-----------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------|------------------------|
| Flora Reserve Plan: Yarindury Flora Reserve Site-Specific Working Plan                                                      |               | Version No.: 2        | Page 5                 |
| Document ID: D25/18697                                                                                                      | Owner: FMS IC | Issue date: June 2025 | Review date: June 2035 |
| <b>WARNING: a printed copy of this document may be uncontrolled. Please verify this is the latest version prior to use.</b> |               |                       |                        |

- regeneration of cleared or degraded land, through plantings and natural recruitment
  - weed control
  - removal of rubbish
  - management of human disturbance
  - retention of dead timber and other habitat resources
  - fire management
- » Pest control.

The full suite of management measures outlined are expected to provide benefits for all species of flora and fauna in this reserve.

## Weeds

As far as practicable, noxious weeds and other exotic species will be eliminated from the reserve.

## Trail maintenance

Maintenance of roads and trails is important to enable access to the forest for forest management, firefighting, tourism and recreation. Poorly maintained roads can also transport significant levels of sediment, increasing the turbidity of water within creeks. This consequently reduces habitat quality and aquatic biodiversity and can take significant periods of time to recover.

## Permitted activities

Under the Forest Management Zoning (FMZ) system, Yarindury Flora Reserve No. 61 is zoned FMZ 1 and therefore contributes to the dedicated reserve system in the Western Region. Management will be consistent with the requirements of JANIS dedicated reserves. The latest operational guide detailing activities not permitted in FMZ1 is published on the Forestry Corporation website.

The following activities may be permitted subject to standard conditions approved by the Regional Manager and consistent with the management objectives for the reserve, codes of practice, forest practices/operational circulars, protocols, licenses and management/recovery plans:

- » scientific studies (e.g., fauna surveys including trapping)
- » maintenance of the existing boundary, roads and fire trails
- » maintenance of existing recreation facilities and upgrading where necessary to keep pace with demand while protecting the attributes of the reserve
- » limited tree and or limb removal for safety, viewing or construction of facilities in areas used for recreation

|                                                                                                                             |               |                       |                        |
|-----------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------|------------------------|
| Flora Reserve Plan: Yarindury Flora Reserve Site-Specific Working Plan                                                      |               | Version No.: 2        | Page 6                 |
| Document ID: D25/18697                                                                                                      | Owner: FMS IC | Issue date: June 2025 | Review date: June 2035 |
| <b>WARNING: a printed copy of this document may be uncontrolled. Please verify this is the latest version prior to use.</b> |               |                       |                        |

- » pest animal and weed control
- » general access for activities such as bush walking, photography and nature study
  - » beekeeping (permits for bee-farming may be issued from time to time over this reserve, provided that no new roads or tracks are constructed within the reserve and that no further opening out of clearing of sites used for the placing of hives takes place)
- » Aboriginal use of forest products consistent with the maintenance of the conservation attributes to be protected in the reserve.
- » fire management will be undertaken in a manner consistent with maintaining the health of forest ecosystems

The following activities may only be permitted with special conditions:

- » Construction of new roads. Construction will only be permitted in exceptional instances and consistent with the following principles:
  - No practical alternative is available
  - The attributes of the Reserve will not be significantly affected by the road or fire trail
  - Opportunity is provided for public comment on the proposal, obtained through advertising in the local newspaper, either print or online, or by publication on a website considered reasonably likely to come to the attention of members of the local community
  - Ministerial approval is given for the proposal.

## Mining

The reserve is exempted from the provisions of the *Mining Act 1992*.

## 2.3 MANAGEMENT RESPONSIBILITY

The reserve will be administered by Forestry Corporation of NSW's Hardwood Division, Western Region, with the authority for decision making delegated to the Regional Manager.

- » The reserve boundaries will be mapped in GIS. The state of the boundary marking will be checked, and if necessary clarified, before any operations are carried out in the vicinity of the reserve
- » Operations in adjacent areas are performed in a manner so as not to cause damage or disturbance to the reserve
- » Forest Permits are issued only for activities consistent with the management objectives for the reserve

|                                                                                                                             |               |                       |                        |
|-----------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------|------------------------|
| Flora Reserve Plan: Yarindury Flora Reserve Site-Specific Working Plan                                                      |               | Version No.: 2        | Page 7                 |
| Document ID: D25/18697                                                                                                      | Owner: FMS IC | Issue date: June 2025 | Review date: June 2035 |
| <b>WARNING: a printed copy of this document may be uncontrolled. Please verify this is the latest version prior to use.</b> |               |                       |                        |

## 2.4 MONITORING, REPORTING AND REVIEW

The region will monitor changes to the key attributes of the reserve and will review the effectiveness of the management strategies designed to protect those attributes and to achieve the management objectives.

The results of this monitoring, review and management response will be included in annual reporting processes.

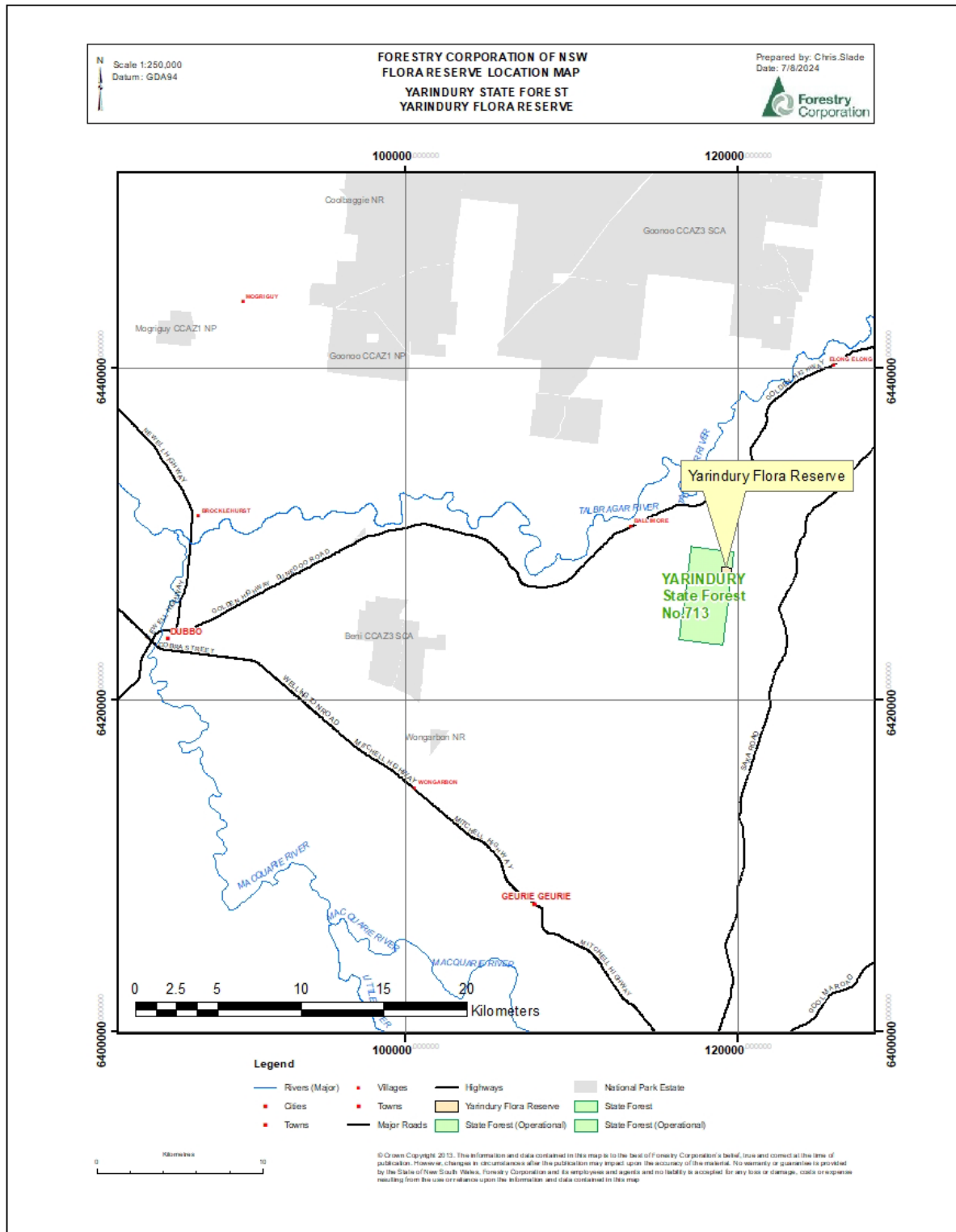
The provisions of this working plan will be amended, if necessary, in light of the results of the monitoring program and / or legislative change and with the approval of the Minister administering the *Forestry Act 2012*.

## 3. LIST OF APPENDICES

- » Appendix 1 – Locality Map
- » Appendix 2 – Topographic and Forest Type Map
- » Appendix 3 – Flora Species List
- » Appendix 4 – Fauna Species List
- » Appendix 5 – Approval and Amendments from previous version



# APPENDIX 1 – LOCALITY MAP



|                                                                                                                             |               |                       |                        |
|-----------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------|------------------------|
| Flora Reserve Plan: Yarindury Flora Reserve Site-Specific Working Plan                                                      |               | Version No.: 2        | Page 9                 |
| Document ID: D25/18697                                                                                                      | Owner: FMS IC | Issue date: June 2025 | Review date: June 2035 |
| <b>WARNING: a printed copy of this document may be uncontrolled. Please verify this is the latest version prior to use.</b> |               |                       |                        |

## APPENDIX 2 – TOPOGRAPHIC MAP

## APPENDIX 3 – FLORA SPECIES LIST

|                                                                                |
|--------------------------------------------------------------------------------|
| Flora found within 5000m of flora reserve, desktop search undertaken July 2024 |
|--------------------------------------------------------------------------------|

| Scientific name                              |
|----------------------------------------------|
| <i>Acacia decora</i>                         |
| <i>Aristida sp.</i>                          |
| <i>Callitris columellaria</i>                |
| <i>Callitris endlicheri</i>                  |
| <i>Casuarina stricta</i>                     |
| <i>Eucalyptus albens</i>                     |
| <i>Eucalyptus blakelyi</i>                   |
| <i>Eucalyptus crebra</i>                     |
| <i>Eucalyptus sideroxylon</i>                |
| <i>Eucalyptus woollsiana ssp. microcarpa</i> |
| <i>Hibbertia sp.</i>                         |
| <i>Stipa sp.</i>                             |

# APPENDIX 4 – FAUNA SPECIES LIST

Fauna found within 5000m of flora reserve, desktop search undertaken July 2024

| Birds                                 |                                        |
|---------------------------------------|----------------------------------------|
| Scientific name                       | Common name                            |
| <i>Ninox connivens</i>                | Barking Owl                            |
| <i>Climacteris picumnus victoriae</i> | Brown Treecreeper (eastern subspecies) |
| <i>Stagonopleura guttata</i>          | Diamond Firetail                       |
| <i>Chthonicola sagittata</i>          | Speckled Warbler                       |
| <i>Daphoenositta chrysoptera</i>      | Varied Sittella                        |
| <i>Hirundapus caudacutus</i>          | White-throated Needletail              |

| Mammals                      |                       |
|------------------------------|-----------------------|
| Scientific name              | Common name           |
| <i>Vombatus ursinus</i>      | Bare-nosed Wombat     |
| <i>Petaurus breviceps</i>    | Sugar Glider          |
| <i>Macropus giganteus</i>    | Eastern Grey Kangaroo |
| <i>Oryctolagus cuniculus</i> | Rabbit                |
| <i>Vulpus vulpus</i>         | Red Fox               |

## APPENDIX 5 – APPROVAL AND AMENDMENTS FROM PREVIOUS VERSION

In line with section 25 of the *Forestry Act 2012*, flora reserve working plans and any amendments must be approved by the Minister. This plan forms part of the working plans for each of the individual flora reserves listed in section 6.

This plan was approved by The Hon. Tara Moriarty MLC, Minister for Agriculture, Minister for Regional New South Wales and Minister for Western New South Wales

Date of approval: 24/6/25

To be inserted on Ministerial approval

| Version | Changes                                                                                                                                                      | Approval details                                                                                                                                                                                            |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2.0     | <ul style="list-style-type: none"><li>» Reference to the <i>Flora Reserve Plan: Background and General Management</i></li><li>» Formatting updated</li></ul> | <ul style="list-style-type: none"><li>» Approved by The Hon. Tara Moriarty MLC, Minister for Agriculture, Minister for Regional New South Wales and Minister for Western New South Wales, 24/6/25</li></ul> |