



LOCALITY MAP  
WESTERN REGION - HARVEST PLAN WCcfi1601



Management Area: Dubbo

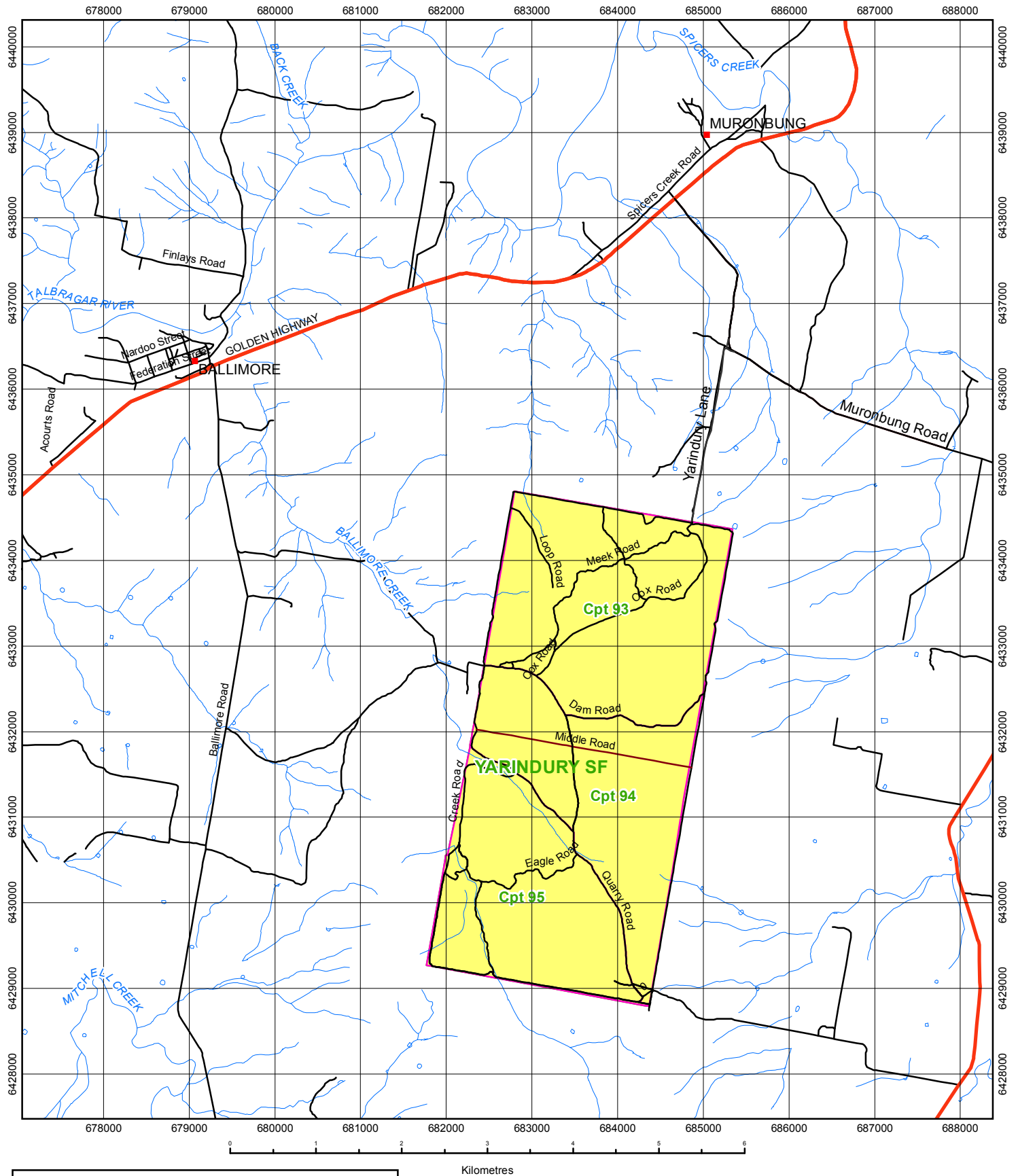
State Forest No: 713

Scale: 1:60,000

State Forest Name: Yarindury

Compartments: 93, 94 & 95

Compartment Area (ha): 588, 437 & 437



Legend

- ALLLocalities
- Compartments of interest
- Roads
- RoadsHwy
- Drainage

This map is produced on the Geodetic Datum of Australia1994 (GDA 94)  
Map Grid of Australian (MGA) - Zone 55



# HARVEST PLAN OPERATIONAL MAP

WESTERN REGION - HARVEST PLAN WCcfi1601



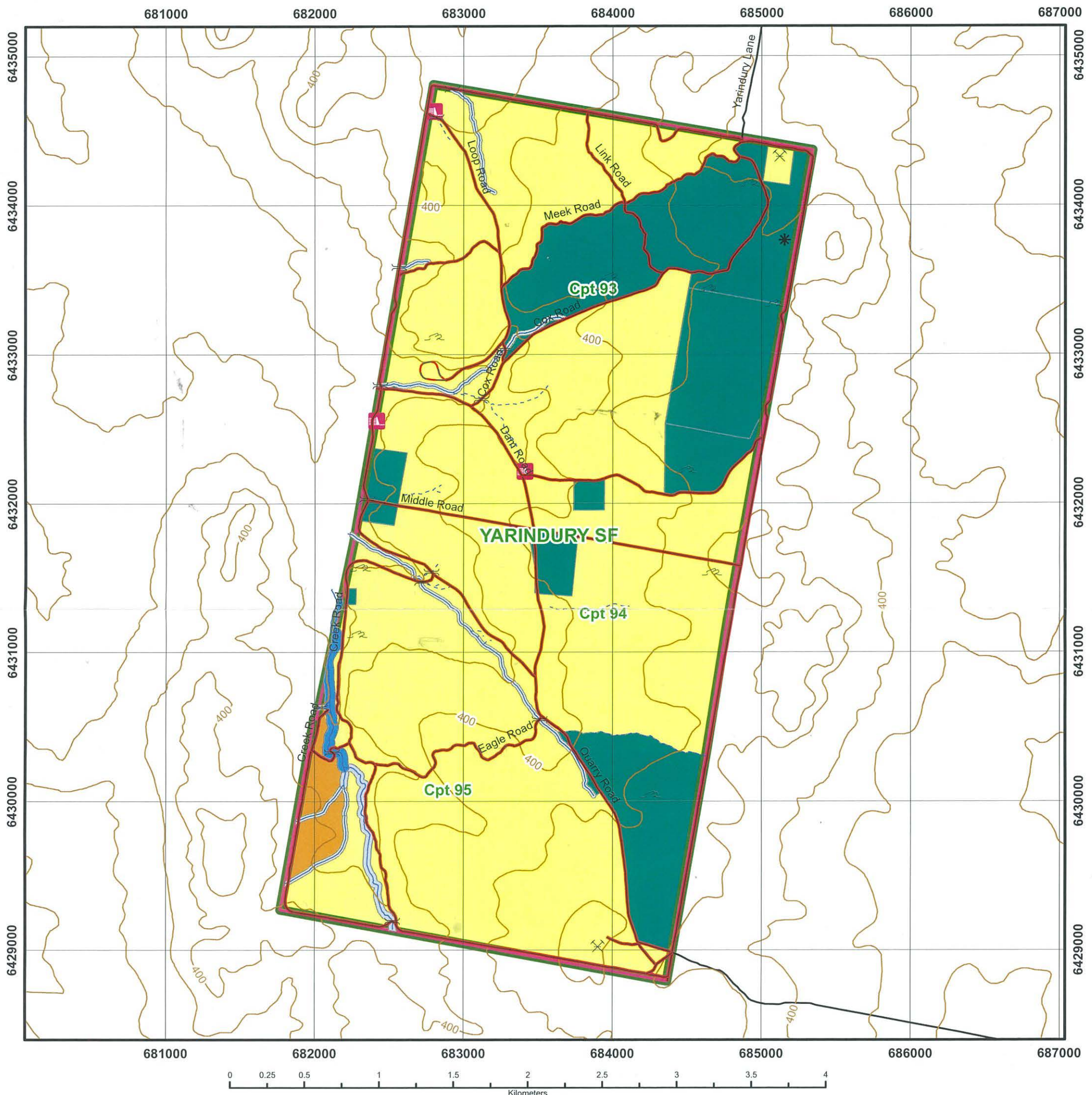
Date: 6/3/2017

State Forest Name: Yarindury

Compartments: 93, 94 & 95

Approved: [Signature]

Scale: 1:36,000



## General Features

- Log Dump (permanent)
- Log Dump (temporary)
- Contour
- Heritage Points
- Aboriginal Points
- Rocky outcrop
- Mineshaft\_cpt\_93
- Gravel pit

## Roads

- Highway
- Road
- Crossing
- Roads Class
  - Operation
  - Proposed

## Water Features

- Drainage
- Dam
- Unmapped drainage line

## Boundaries

- Compartment of Interest
- State Forest Boundary
- NPWS
- NSW Topo

## Non-Harvest Area

- Special Protection (FMZ 1)
- Special Management (FMZ 2)
- Harvesting Exclusion (FMZ 3A)
- Flora/Fauna Exclusion Units

## Harvest Area

- Available for Harvesting (FMZ 4)
- Modified Harvest Area (FMZ 3B)

## Drainage Buffers

- 50m Stream Buffer (5th Order)
- 40m Stream Buffer (4th Order)
- 30m Stream Buffer (3rd Order)
- 20m Stream Buffer (2nd Order)
- 10m Stream Buffer (1st Order)

## Other Exclusions

- EEC
- Wetlands
- Heath



This map is produced on the Geodetic Datum of Australia 1994 (GDA 94)  
Map Grid of Australia (MGA) - Zone 55

Date Print: 31/01/2017



# FORESTRY CORPORATION OF NEW SOUTH WALES - WESTERN REGION

## NATIVE FOREST HARVESTING PLAN WCcfi 1601


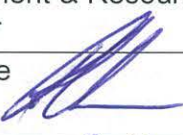
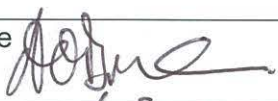
Refer: FPC 2010/01

### Yarindury State Forest – Compartments 93, 94 & 95

#### **CERTIFICATION**

This plan has been prepared in accordance with the Integrated Forestry Operations Approval issued under the *Forestry and National Park Estate Act 1998*.

The Standard Harvest Plan Conditions for Native Forest Operations in Western Region – Brigalow Nandewar v3.3 apply to this operation.

|   |   |   |
|---|---|---|
| Prepared By: Jarod Dashwood<br>Forest Occupancy Supervisor                                  | Endorsed By: Ross Irvine<br>Environment & Resource Manager                                  | Approved By: Andrew O'Brien<br>Senior Manager   |
| Signature  | Signature  | Signature  |
| Date 3/3/2017   | Date 3/3/2017   | Date 6/3/2017   |

Note: Approval includes the Harvest Plan Operational Map (HPOM) with the corresponding approval date displayed on the map, verifying final approved version. Locality and forest type maps are included for information only and do not form a part of this approval.

#### **PRE-OPERATIONAL BRIEFING (SUPERVISING FOREST OFFICER ACKNOWLEDGMENT)**

I confirm that I have received a copy of the Harvest Plan for the above Compartments. I have been briefed on the conditions of the Plan. I understand the requirements for supervision and operational control as explained to me by the Forest Manager or his/her delegate.

SUPERVISING FOREST OFFICER: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

#### **PRE-OPERATIONAL BRIEFING (LICENSEE/CONTRACTOR ACKNOWLEDGMENT)**

**No operations may commence under this Harvest Plan before the Licensee/contractor has received a formal pre-operational induction by FCNSW and written approval provided to commence operations.**

I confirm that I have received a copy of this Harvest Plan and that:

- ☐ I understand the conditions of the Plan; and
- ☐ I will inform all relevant people not present at this briefing, prior to them starting operations, of these aspects of the Plan, as explained to me by a FCNSW officer.

Signature: \_\_\_\_\_ Name: \_\_\_\_\_ Date: \_\_\_\_\_

Position: \_\_\_\_\_ Licence No: \_\_\_\_\_

Principal licensee/contractor/other (explain)

Signature: \_\_\_\_\_ Name: \_\_\_\_\_ Date: \_\_\_\_\_

Position: \_\_\_\_\_ Licence No: \_\_\_\_\_

Principal licensee/contractor/other (explain)

## Description of Proposal

FCNSW has planned silvicultural treatment of Yarindury State Forest. The operation will use mainly mechanical harvesting and processing methods to produce logs. Logs will be forwarded to log dumps and loaded onto trucks as either sawlogs, residue logs or chip.

Trucks will transport the logs or chip from the State forest to processing facilities.

Products to be harvested include:

- white cypress (*Callitris glaucophylla*) and narrow leaved ironbark (*Eucalyptus crebra*) sawlogs; and
- white cypress, narrow leaved ironbark and bull oak (*Allocasuarina luehmannii*) green residue.

All target species are known to naturally regenerate following harvesting events. Regeneration occurs as a response to the opening of the overstorey canopy.

No post-harvest burning, manual planting or seeding is proposed.

A truck turn-around is proposed to be built at the southern end of Loop Road (Compartment 93). This natural surface road has no crossings nor is it within an *Environmentally Significant Area* (ESA).

Existing roads and tracks will be maintained in accordance with the Standard Harvest Plan Conditions for Native Forest Operations in Western Region – Brigalow Nandewar v3.3.

## Area Identification and Yield Estimates

Table 1. Harvest plan – area of interest

| State Forest | Compartment/s | Region  | Management Area | Harvest Plan ID |
|--------------|---------------|---------|-----------------|-----------------|
| Yarindury    | 93, 94 & 95   | Western | Dubbo           | 54795           |

Table 2. Harvest plan operational details

| COMPARTMENT                                       | 93     | 94     | 95     |
|---|--------|--------|--------|
| Plan Cpt Event ID                                 | 124204 | 124205 | 124206 |
| Gross Area (ha)                                   | 588    | 437    | 437    |
| Net Harvest Area (ha)                             | 354    | 334    | 411    |
| Estimated Yield Cypress Sawlog (m <sup>3</sup> )  | 900    | 900    | 900    |
| Estimated Yield Ironbark Sawlog (m <sup>3</sup> ) | 100    | 100    | 100    |
| Estimated Yield Residue (t)                       | 100    | 100    | 100    |

## Recent Harvest History

The last known commercial timber harvesting in Yarindury State Forest is summarised below in Table 3.

Table 3. Harvest production details – Yarindury State Forest

|                      | 1970 - 1979 | 1994 | 1998 | 2004 |
|----------------------|-------------|------|------|------|
| White cypress sawlog | X           |      |      | X    |
| Hardwood sawlog      | X           |      |      |      |
| Hardwood residue     |             | X    | X    |      |

## Vegetation Description

### Overstorey

The operational area is dominated by open dry sclerophyll forest consisting of white cypress, narrow leaved ironbark and black cypress (*Callitris endlicheri*). Other associated species include broad leaved ironbark (*Eucalyptus fibrosa*), Mugga ironbark (*Eucalyptus sideroxylon*), inland grey box (*Eucalyptus microcarpa*), white box (*Eucalyptus albens*), Pilliga box (*Eucalyptus pilligaensis*) and bull oak.

### Understorey

The understorey comprises wattle species and xerophytic shrubs.

### Groundcover

Grasses are almost all exotic species. This is a reflection of the early grazing history of the site.

## Stand History

Yarindury State Forest has a disturbance history related to grazing, timber harvesting and mining. Timber harvesting targeted a range of products including cypress and ironbark sawlogs, ironbark sleepers, fencing posts and residue.

## Silvicultural Systems

### White cypress

The operation will utilise commercial thinning and release harvest techniques.

Commercial thinning removes mature stems and redistributes growth to adjacent trees selected for retention. The opening of the forest canopy is known to trigger white cypress regeneration events and subsequent stand succession.

Release operations target mature stems in stands where juvenile white cypress regeneration has been established following an earlier disturbance event.

Yarindury State Forest is made up of varying stand successional stages. This will require the two silvicultural strategies to be applied interchangeably.

The Supervising Forest Officer (SFO) is responsible for assessing the pattern of stand succession and applying the most appropriate silvicultural method. A tree marking system specific to each silvicultural method is to be applied as necessary to achieve the desired silvicultural outcome.

Each area of silvicultural treatment is to be mapped and recorded in the *SFO Post Harvest Notes* section of this plan.

### Narrow leaved ironbark

The narrow leaved ironbark operation will harvest commercially mature trees, trees lacking potential for future growth and trees competing with stems likely to produce future sawlogs.

Where regeneration is not present or unlikely to occur, trees for harvest should be selected to build upon canopy openings so as to encourage establishment and development of regeneration.

### Bull oak

Bull oak will be harvested opportunistically, with the aim to reduce competition on the retained white cypress and narrow leaved ironbark trees.

Harvesting of the above species will be undertaken in accordance with the conditions detailed in *Condition 7 – Standard Silvicultural Prescriptions, Standard Harvest Plan Conditions for Native Forest Operations in Western Region – Brigalow Nandewar v3.3*.

### **Other silvicultural notables**

- Dead hardwood trees (either standing or laying on the ground) will not be taken as firewood.
- The harvesting operation must as far as practicable not damage:
  - retained white cypress or narrow leaved ironbark; or
  - white cypress or narrow leaved ironbark regeneration.

### **Tree Marking**

#### White cypress

The area will be **primarily** tree marked for **retention**. In such areas the operation must, as far as practicable:

- Fall each white cypress tree not marked for retention unless that tree clearly does not satisfy *Specifications for white cypress sawlogs Standard Harvest Plan Conditions for Native Forest Operations in Western Region – Brigalow Nandewar v3.3 – Appendix 1*, AND
- Not fall or damage trees marked for retention or marked as boundary trees.

At the discretion of the SFO, areas of merchantable white cypress may be tree marked for **removal** if stand conditions dictate.

In such areas the operation must, as far as practicable:

- Fall each white cypress tree marked for removal, unless that tree clearly does not meet *Specifications for white cypress sawlogs* Standard Harvest Plan Conditions for Native Forest Operations in Western Region – Brigalow Nandewar v3.3 – Appendix 1, AND
- Not fall or damage trees not marked for removal, particularly those marked for retention or marked as boundary trees.

Any change in mark-up design must be noted in the SFO's notes and annotated on the HPOM.

Boundaries between the different marking strategies must be clearly defined in the field and harvest contractors made aware of the associated change in marking strategy.

#### Narrow leaved ironbark

The area may be marked for either **removal** or **retention**. The operation must, as far as practicable:

- Fall each narrow leaved ironbark tree marked for removal, unless that tree clearly does not meet *Specifications for western ironbark sawlogs* Standard Harvest Plan Conditions for Native Forest Operations in Western Region – Brigalow Nandewar v3.3 – Appendix 2,
- Fall each narrow leaved ironbark not marked for retention unless it clearly does not meet *Specifications for western ironbark sawlogs* Standard Harvest Plan Conditions for Native Forest Operations in Western Region – Brigalow Nandewar v3.3 – Appendix 2, AND
- Not fall or damage trees not marked for removal, particularly those marked for retention or marked as boundary trees.

#### Bull oak

No additional marking for this species is proposed. Harvesting will be as per the Standard Harvest Plan Conditions for Native Forest Operations in Western Region – Brigalow Nandewar v3.3.

### **Special Conditions**

#### **Critical boundaries**

##### State Forest

The compartments are bounded internally by forestry roads and externally by a perimeter fence. Marking of the harvest area boundary is not proposed unless either:

- the forest boundary fence cannot be identified; or
- the location of the forest boundary fence does not match the cadastral boundary.

In such instances the SFO must manually mark the legal forest boundary.



Marked boundaries for harvest exclusion in Yarindury State Forest include:

- FMZ1 and FMZ3A;
- Barking owl *species protection zones* (this includes all areas of FMZ1 and FMZ3A inside the *Planning Area*);
- Part 1 Box Gum Woodland endangered ecological community (EEC);
- Part 2 Box Gum Woodland EEC within areas of FMZ3B; and
- Inland Grey Box Woodland EEC.

#### Private Property and crown road corridors

Private property surrounds Yarindury State Forest. The vast majority of the State forest boundary is demarcated by stock proof fencing.

The northern access route into the forest is a crown road subject to active grazing (Andrew Shearman 0428 745 143). All stock gates along this route are to be left as found following passage.

The southern access route is a crown road passing through the property of Matthew Whales (0428 435 567).

At the time of writing this plan, the southern access route is unavailable for use due to Cobbora Road being closed to traffic until further notice.

#### National Park

There are no national parks or formal reserves adjoining Yarindury State Forest.

#### **Research / Inventory Plots**

There are no research or inventory plots subject to preservation in this State forest.

#### **Leases/forest permits**

There are no leases or forest permits issued for this State forest.

#### **Transmission Lines/Cables/Pipelines**

There are no known transmission lines/cables/pipelines in this State forest.

#### **Forest Management Zoning Conditions**

- FMZ 1
  - A *special protection zone* exists in compartment 93. The area is protected from mechanical disturbance for scientific purposes. The entirety of the area has been included in the barking owl (*Ninox connivens*) *species protection zone*.

- FMZ 3A
  - *Drainage feature protection zones* are present in all three compartments. Harvest exclusion buffers shall apply as per clause 107 Brigalow-Nandewar IFOA.
  - Compartment 94 features a *harvesting exclusion zone (wildlife)*. The area forms part of the broader *species protection zone* for barking owl.
- FMZ 3B
  - *Special prescription zone (wildlife)* exists in compartment 94. The area is included in the broader *species protection zone* for barking owl and will not be subject to harvesting.
  - *Special prescription zone (wildlife)* exists in compartment 95. Twenty five hectares maybe subject to modified harvesting conditions to maintain the grassy box woodland forest type. No harvesting will occur within areas determined to be EEC (as per Schedule 8 Brigalow-Nandewar IFOA).
- FMZ 4
  - *General management zone* occurs within all three compartments. These areas will be subject to standard harvesting prescriptions unless:
    - the area is subject to the barking owl *species protection zone*; or
    - other exclusions as referenced in the Brigalow-Nandewar IFOA are known and/or found (i.e. rocky outcrops, unmapped drainage lines etc).

### Cultural Heritage Conditions

There are no Aboriginal or non-Aboriginal cultural heritage sites known in this State forest.

If a site of suspected cultural heritage is found, the following steps are to be taken:

- the SFO must report the site location to the harvest planning forester; and
- a 20m no-harvest zone buffer is applied around the site.

### Flora and Fauna Conditions

The SFO must search for threatened species and mark-up the block as per the Standard Harvest Plan Conditions for Native Forest Operations in Western Region. – Brigalow Nandewar v3.3.

### Mark-up Conditions

Refer to Standard Harvest Plan Conditions for Native Forest Operations in Western Region. – Brigalow Nandewar v3.3 for prescriptions.

### Tree Retention Conditions

Refer to Standard Harvest Plan Conditions for Native Forest Operations in Western Region. – Brigalow Nandewar v3.3 for prescriptions.

### Site-Specific Conditions, Exclusion Zones & Modified Harvest Areas

#### Box Gum Woodland EEC

Blakely's red gum, yellow box and white box are known to occur within the State forest. There may be areas within the operational area that qualify as *Box Gum Woodland EEC*.

If during mark - up the subject species are identified, the SFO is to refer to *Schedule 8 – Identification Guidelines for EECs* (Brigalow-Nandewar IFOA).

The guideline is otherwise found at Attachment 1 of the Standard Harvest Plan Conditions for Native Forest Operations in Western Region. – Brigalow Nandewar v3.3.

Where the SFO determines the area is likely to be either *Part 1 or Part 2 Box Gum Woodland EEC*, the SFO shall:

- record the locality and stand characteristics in the *Supervising Forest Officers Notes*; and
- consult the harvest planning forester regarding further investigation and the application of Clauses 270-273 of the Brigalow-Nandewar IFOA.

Where FCNSW identifies *Part 1 Box Gum Woodland EEC*:

- harvest exclusion boundaries shall be marked in the field;
- the area(s) are to be GPS mapped; and
- a written record taken as per Brigalow-Nandewar IFOA Clause 260.

Where FCNSW identifies *Part 2 Box Gum Woodland EEC* within FMZ3B:

- harvest exclusion boundaries shall be marked in the field;
- the area(s) are to be GPS mapped; and
- a written record taken as per Brigalow-Nandewar IFOA Clause 260.

Where FCNSW identifies *Part 2 Box Gum Woodland EEC* within FMZ4:

- standard harvest prescriptions shall apply;
- the area(s) are to be GPS mapped; and
- a written record taken as per Brigalow-Nandewar IFOA Clause 260.

Where the area is determined **not** to be *Box Gum Woodland EEC*, standard harvest prescriptions apply.

#### Inland Grey Box Woodland EEC

Inland grey box is known to occur within the State forest. There may be areas within the operational area that qualify as *Inland Grey Box Woodland EEC*.

If during mark - up inland grey box is identified, the SFO is to refer to *Schedule 8 – Identification Guidelines for EECs* (Brigalow-Nandewar IFOA).

The guideline is otherwise found at Attachment 1 of the Standard Harvest Plan Conditions for Native Forest Operations in Western Region. – Brigalow Nandewar v3.3.



Where the SFO determines the area is likely to be *Inland Grey Box Woodland EEC*, the SFO shall:

- record the locality and stand characteristics in the *Supervising Forest Officers Notes*; and
- consult the harvest planning forester regarding further investigation and the application of Clause 272 of the Brigalow-Nandewar IFOA.

Where FCNSW identifies *Inland Grey Box Woodland EEC*:

- harvest exclusion boundaries shall be marked in the field;
- the area(s) are to be GPS mapped; and
- a written record taken as per Brigalow-Nandewar IFOA Clause 262.

No extraction is permitted within *Inland Grey Box Woodland EECs*.

Where the area is determined **not** to be *Inland Grey Box Woodland EEC*, standard harvest prescriptions apply.

Black cypress/broad leaved ironbark special prescription zone (wildlife) FMZ3B – compartment 94

The 12 hectare area has been included in the barking owl *species protection zone* and will not be subject to harvesting.

Grassy box woodland special prescription zone (wildlife) FMZ3B – compartment 95

Where assessed not to be EEC, this area shall be subject to modified harvesting conditions to encourage the preservation of grassy box woodland (i.e. removal of white cypress). Where EEC is identified, harvest exclusion boundaries shall be marked.

Donkey orchid, small purple-pea, silky Swainson-pea

Yarindury State Forest is described as falling within the habitat range of donkey orchid (*Diuris tricolour*), small purple-pea (*Swainsona recta*) and silky Swainson-pea (*Swainsona sericea*). Respectively described as vulnerable, endangered and vulnerable, each of these species are subject to a 20m harvest exclusion buffer where identified. All field records shall be reported to the harvest planning forester. Further operational actions/restrictions are detailed in each species' individual management plan.

Rocky outcrops

Rocky outcrops that are known to exist within the State forest are shown on the HPOM and feature within the GPS supported TILE package. Other areas qualifying as rocky outcrops may be encountered during mark – up. The Brigalow-Nandewar IFOA describes rocky outcrops as:

- areas where rocks or exposed boulders cover more than 70% of any 0.1 hectare area (30 metres by 30 metres); or

- with skeletal soils (that is, an area with shallow soil where rocks are exposed), supporting heath (and sometimes an occasional emergent tree); or
- that is classified as “rock” as per Lindsay Forest Type no. 234 (whether or not the area also meets a description in paragraph (a) or (b)); or
- where a combination of rocks or exposed boulders and skeletal soils cover more than 70% of any 0.1 hectare area (30 metres by 30 metres).

Where a rocky outcrop is identified, a 30m *protection zone* is to be established. The *protection zone* will not be subject to harvesting and is to be measured from outer edge of the rocky outcrop.

Should it be necessary to extract timber through the *protection zone*, the SFO must consult the harvest planning forester and a report is to be prepared as per clause 271 Brigalow-Nandewar IFOA.

#### Dams and tanks

A 10m *protection zone* is to be established from the outer edge of all dams and tanks. Three dams are known to occur in Yarindury state Forest. These are shown on the HPOM and accompanying TILE package. No harvesting is permitted within the *protection zones*.

#### Subterranean bat roosts

A disused vertical mineshaft is recorded at 685155E 6433767N. This site is located more than 40m inside an existing harvest exclusion zone and therefore negates the need to be buffered as per clause 248 Brigalow-Nandewar IFOA.

## Species Known or Likely to Occur

### Barking Owl

A targeted survey as described in Schedule 7 of the Brigalow-Nandewar IFOA was undertaken in response to known records of barking owl.

As shown on the HPOM, a *species protection zone* has been established in response to known records. The *species protection zone* is derived from records of call playback survey and an existing mapped FMZ3A (Wildlife – barking owl roost/nest). The design and application of the *species protection zone* is directed from clauses 254 and 255 Brigalow-Nandewar IFOA.

As per the Brigalow-Nandewar IFOA, the barking owl *species protection zone* must total at least **300 hectares** within a designated *planning area* consisting of a minimum 2km radius centred equidistant to the majority of the records (clause 255(7) Brigalow-Nandewar IFOA). The designated *planning area* for harvest plan WCcfi1601 was expanded beyond the minimum area and covers the entirety of the forest.

The barking owl *species protection zone* for this harvest plan includes:

- 60 ha *special protection zone* (FMZ1)
- 12 ha *species protection zone* (FMZ3A)
- 33 ha *drainage feature protection zone* (FMZ3A)
- 12 ha *special prescription zone* (FMZ3B)
- 246 ha *general management area* (FMZ4)
- **363 ha TOTAL**

### Speckled Warbler

Records exist for this species within Yarindury State Forest. As described in Schedule 4 of the Brigalow-Nandewar IFOA, this species is adequately protected by general provisions (such as FMZ 3A).

There are no other known records of threatened fauna, flora or habitat features present within the *planning area* that require prescriptions within this plan.

## Fisheries Licence Conditions

Applicable Fisheries Licence conditions are detailed in the Brigalow – Nandewar IFOA. Refer to Standard Harvest Plan Conditions for Native Forest Operations in Western Region. – Brigalow Nandewar v3.3 for prescriptions.

## Soil and Water Protection Conditions

Applicable Environmental Protection Licence conditions are detailed in the Brigalow – Nandewar IFOA. Refer to Standard Harvest Plan Conditions for Native Forest Operations in Western Region. – Brigalow Nandewar v3.3 for prescriptions.



The HPOM shows *Drainage feature protection zones* for mapped drainage lines within the State forest. Harvest exclusion zones are determined as per Table 4.

Unmapped drainage lines known to FCNSW at the time of authoring this plan are also shown on the HPOM.

Targeted field survey and LiDAR mapping has corrected Land and Property Information NSW (LPI) drainage line locations in most instances.

Table 4. *Drainage feature protection zones* (clause 107(2))

| Elements   | Conditions                           |
|--|--------------------------------------|
|  |                                      |
| Unmapped Drainage Lines  | 5m Drainage Feature Protection Zone  |
| 1 <sup>st</sup> order mapped drainage line or mapped drainage depression | 10m Drainage Feature Protection Zone |
| 2 <sup>nd</sup> order mapped drainage line or mapped drainage depression | 20m Drainage Feature Protection Zone |
| 3 <sup>rd</sup> order mapped drainage line or mapped drainage depression | 30m Drainage Feature Protection Zone |
| 4 <sup>th</sup> order mapped drainage line or mapped drainage depression | 40m Drainage Feature Protection Zone |
| 5 <sup>th</sup> order mapped drainage line or mapped drainage depression | 50m Drainage Feature Protection Zone |

There are 13 existing drainage feature crossings proposed to be used during this operation. These are shown on the HPOM and associate TILE package. No upgrading works are proposed for these crossings.

### Road Works Conditions

Existing roads, tracks and crossings will be maintained in accordance with the Standard Harvest Plan Conditions for Native Forest Operations in Western Region. – Brigalow Nandewar v3.3.

### Legal Conditions

This operation may only proceed while this operational plan, the relevant site safety plan and the Standard Harvest Plan Conditions for Native Forest Operations in Western Region – Brigalow Nandewar v3.3 are held on site.

This operation must comply with the following:

- ☐ Standard Harvest Plan Conditions for Native Forest Operations in Western Region – Brigalow Nandewar
- ☐ Licence conditions issued by Forestry Corporation of NSW under the *Forestry Act (2012)*.

- ☐ Forest Practices Code, Part 2, Timber Harvesting In Native Forests (4<sup>th</sup> edition 1999).
- ☐ Forest Road Practices Code (2013)
- ☐ Integrated Forestry Operations Approval issued under Part 4 of the *Forestry and National Parks Estate Act (1998)* (IFOA) as amended May 2003 including associated licences:
  - Threatened Species Conservation Licence (TSCL) issued under the *Threatened Species Conservation Act (1995)*
  - Fisheries Management Licence issued under Part 7 (Div 3) *Fisheries Management Act (1994)*
  - Environmental Protection Licence (EPL) issued under the *Protection of the Environment Operations Act (1997)*.

Date of cessation of logging: \_\_\_\_\_



## Supervising Forest Officer's Notes

[illegible]

**Certificate Of Clearance To Move From Current Compartment(s)**

To: \_\_\_\_\_, Supervising Forest Officer.

I request approval to move my logging crew and all associated machinery from Compartment(s) \_\_\_\_\_ in \_\_\_\_\_ State Forest to the next area in accordance with Section 5.5 of the Forest Practices Code Part 2 Timber Harvesting In Native Forests.

I certify that:

- ☐ all permanent roads, trails and mitre drains have been cleared of harvesting debris;
- ☐ butt damage to retained trees has been kept to acceptable limits;
- ☐ all trees marked for removal have been felled;
- ☐ utilisation limits have been satisfactorily met;
- ☐ stump heights conform to requirements;
- ☐ all hanging trees have been brought down;
- ☐ all log dump sites have been satisfactorily restored as required;
- ☐ harvesting debris is not accumulated around retained trees;
- ☐ all accumulated litter has been disposed of properly;
- ☐ all modified harvesting conditions have been complied with;
- ☐ all snig track and road drainage has been installed satisfactorily and other required rehabilitation work has been completed;
- ☐ all necessary repairs to damaged roads, signs, fences and other structures have been carried out.

I believe that I have met all my obligations under the conditions of the Timber Licence that applies to the area just completed and any N&PW Act Licence that applies to the area just completed, as stated in this Harvest Plan.

Signature: \_\_\_\_\_

Licence No: \_\_\_\_\_

Date: \_\_\_\_\_

Licensee/Contractor

As a result of inspections of the logging operations carried out in accordance with this Harvest Plan, I am satisfied that, to the best of my knowledge, the harvesting licensee/contractor responsible for this harvesting operation has satisfactorily completed all work. Approval is given for her/him to remove her/his machinery and equipment and leave the area/commence operations in another harvesting plan area, being:

Compartment(s): \_\_\_\_\_, in \_\_\_\_\_ State Forest.

This clearance does not release the licensee/contractor from any obligation to undertake any remedial work if deficiencies, found during any inspections of the area made within 12 months of the date of this post-harvesting inspection, are shown to have resulted from inadequate practices during the harvesting operation.

Date of last inspection of the area by the Supervising Forest Officer: \_\_\_\_\_

Supervising Forest Officer \_\_\_\_\_  
date: \_\_\_\_\_

Signature

Name

HARVEST PLAN AMENDMENT RECORD

|  |  |  |
|--|--|--|
|  |  |  |
|--|--|--|

| Amendment No. & type |       |       | Date Prepared | Amendment Details | All Copies Amended | Signature |
|----------------------|-------|-------|---------------|-------------------|--------------------|-----------|
| Number               | Major | Minor |               |                   |                    |           |
| 1                    |       |       |               |                   |                    |           |
| 2                    |       |       |               |                   |                    |           |
| 3                    |       |       |               |                   |                    |           |
| 4                    |       |       |               |                   |                    |           |
| 5                    |       |       |               |                   |                    |           |
| 6                    |       |       |               |                   |                    |           |
| 7                    |       |       |               |                   |                    |           |
| 8                    |       |       |               |                   |                    |           |
| 9                    |       |       |               |                   |                    |           |
| 10                   |       |       |               |                   |                    |           |
| 11                   |       |       |               |                   |                    |           |
| 12                   |       |       |               |                   |                    |           |

**Note:** The purpose of this log is to track amendments to the Harvest Plan from time of first approval. All maps, Harvest Plans etc. are to be clearly identified with a version # and date so that changes to the Plan may be clearly identifiable. The Harvest Planner is responsible for ensuring all amendments are implemented, recorded and filed

### Supervising Forest Officer's Hand-Over Acknowledgment

I confirm that I have received a copy of the Harvest Plan for the above Compartment. I have been briefed on the conditions of the Plan and the progress of the operation. I understand the requirements for supervision and operational control, as explained to me by the current SUPERVISING FOREST OFFICER.

Signature: \_\_\_\_\_  
Position: Incoming Supervising Forest Officer

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Position: Incoming Supervising Forest Officer

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Position: Incoming Supervising Forest Officer

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Position: Incoming Supervising Forest Officer

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Position: Incoming Supervising Forest Officer

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Position: Incoming Supervising Forest Officer

Date: \_\_\_\_\_

- [illegible]



Supervising Forest Officer's Post-Harvesting Notes

Record significant circumstances about harvesting this area. Draw or attach an annotated operational scale map.

**ACTUAL AREA HARVESTED** (by silvicultural treatment)

| Treatment     | code on map | Area (ha) treated | REGEN QUALITY |      |      | REGEN DENSITY |      |        | COMMENTS |
|---------------|-------------|-------------------|---------------|------|------|---------------|------|--------|----------|
|               |             |                   | Good          | Fair | Poor | Dense         | Fair | sparse |          |
| THINNED       | T1          |                   |               |      |      |               |      |        |          |
|               | T2          |                   |               |      |      |               |      |        |          |
| RELEASED      | R1          |                   |               |      |      |               |      |        |          |
|               | R2          |                   |               |      |      |               |      |        |          |
| SALVAGE       | S1          |                   |               |      |      |               |      |        |          |
|               | S2          |                   |               |      |      |               |      |        |          |
| Not Harvested | NH1         |                   |               |      |      |               |      |        |          |
|               | NN2         |                   |               |      |      |               |      |        |          |
|               | NH3         |                   |               |      |      |               |      |        |          |

**POSSIBLE NEXT HARVEST**

C = cypress H = hardwood

| Code on map | Comment   | Main product type<br>(put C or H in each relevant cell) | Anticipated volume |        |     |
|-------------|---|---|--------------------|--------|-----|
|             |   |   | High               | Medium | Low |
|             | <input type="checkbox"/> 0 to 5 years to next harvest   | High quality large sawlog                               |                    |        |     |
|             | <input type="checkbox"/> 5 to 10 years to next harvest  | High quality small sawlog                               |                    |        |     |
|             | <input type="checkbox"/> 10 to 20 years to next harvest | Low quality sawlog                                      |                    |        |     |
|             | <input type="checkbox"/> 20 to 30 years to next harvest | Fencing/posts   |                    |        |     |
|             | <input type="checkbox"/> 30 plus years to next harvest  | Vineyard posts (cypress)                                |                    |        |     |
|             |   | Residue   |                    |        |     |
|             |   | Habitat trees / Non-merchantable                        |                    |        |     |

1. Noxious or environmental weed problems; high levels of feral animal use.

.....

.....

2. Sites of soil erosion for attention.

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.....

3. Boundary compromised; neighbour issues resulting from logging or haulage.

.....

.....

4. Operation map errors for attention (e.g. forest type; roads) of appropriate staff (e.g. GIS, Planner)

.....

.....

5. Any other comments – SUPERVISING FOREST OFFICER / FA / Forester

.....

.....

RECORD OF BASAL AREA SWEEPS OF ALL RETAINED STEMS - 10cm dbhob or larger

| Date<br>(and GPS grid ref optional) | Before or<br>after harvest                                 | Category     | Component |               |          |               |
|-------------------------------------|--|--------------|-----------|---------------|----------|---------------|
|                                     |  |              | All trees | White cypress | Ironbark | Other species |
|                                     | <input type="checkbox"/> Before                            | merchantable |           |               |          |               |
|                                     | OR   | pre-merch    |           |               |          |               |
|                                     |  | non-merch    |           |               |          |               |
|                                     |  | total        |           |               |          |               |
|                                     | trees marked for (circle correct one): retention / removal |              |           |               |          |               |
|                                     | <input type="checkbox"/> Before                            | merchantable |           |               |          |               |
|                                     | OR   | pre-merch    |           |               |          |               |
|                                     |  | non-merch    |           |               |          |               |
|                                     |  | total        |           |               |          |               |
|                                     | trees marked for (circle correct one): retention / removal |              |           |               |          |               |
|                                     | <input type="checkbox"/> Before                            | merchantable |           |               |          |               |
|                                     | OR   | pre-merch    |           |               |          |               |
|                                     |  | non-merch    |           |               |          |               |
|                                     |  | total        |           |               |          |               |
|                                     | trees marked for (circle correct one): retention / removal |              |           |               |          |               |
|                                     | <input type="checkbox"/> Before                            | merchantable |           |               |          |               |
|                                     | OR   | pre-merch    |           |               |          |               |
|                                     |  | non-merch    |           |               |          |               |
|                                     |  | total        |           |               |          |               |
|                                     | trees marked for (circle correct one): retention / removal |              |           |               |          |               |
|                                     | <input type="checkbox"/> Before                            | merchantable |           |               |          |               |
|                                     | OR   | pre-merch    |           |               |          |               |
|                                     |  | non-merch    |           |               |          |               |
|                                     |  | total        |           |               |          |               |
|                                     | trees marked for (circle correct one): retention / removal |              |           |               |          |               |
|                                     | <input type="checkbox"/> Before                            | merchantable |           |               |          |               |
|                                     | OR   | pre-merch    |           |               |          |               |
|                                     |  | non-merch    |           |               |          |               |
|                                     |  | total        |           |               |          |               |
|                                     | trees marked for (circle correct one): retention / removal |              |           |               |          |               |
|                                     | <input type="checkbox"/> Before                            | merchantable |           |               |          |               |
|                                     | OR   | pre-merch    |           |               |          |               |
|                                     |  | non-merch    |           |               |          |               |
|                                     |  | total        |           |               |          |               |
|                                     | trees marked for (circle correct one): retention / removal |              |           |               |          |               |

BA is measured at 1.3m above the ground, and does not include stems less than 10cm diameter at that point.

**Western Region Harvest Plan WCcf1601 – Compartments 93, 94 & 95, Yarindury State Forest,  
Dubbo Management Area**

**Operational plan distribution and amendment control sheet ('DACS')**

|   |  |             |                 |   |                 |
|---|--|-------------|-----------------|---|-----------------|
| Date approved by RM                                     |  | Plan number | See page header | State Forest or Property/County         | See page header |
| Date Environment & Resources Manager review is required |  |             |                 | Compartment or Parish/Portion or Lot/DP | See page header |

**Amendment:** Normally the supervising Forester would amend the Office, Forester and SFO copies on explaining the amendment to the SFO, and should annotate the Amendment record (Form 11) in them. The SFO (or Forester as applicable) should amend the bush crew copy/copies when explaining it to the bush operators, and should annotate the Amendment record (Form 11) in it/them.

| Plan copy            | Name of recipient | Delivery to recipient             |           |               | Amendment affected in plan copies |               |           |               |           |               |           |               |           |               | Plan recall   |                |
|----------------------|-------------------|-----------------------------------|-----------|---------------|-----------------------------------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|---------------|----------------|
|                      |                   | Method                            | Date done | By (initials) | 1                                 |               | 2         |               | 3         |               | 4         |               | 5         |               | Date received | Date destroyed |
|                      |                   | H = hand<br>E = email<br>M = mail |           |               | Date done                         | By (initials) | Date done | By (initials) | Date done | By (initials) | Date done | By (initials) | Date done | By (initials) |               |                |
| RO                   |                   |                                   |           |               |                                   |               |           |               |           |               |           |               |           |               |               |                |
| Ops Centre           |                   |                                   |           |               |                                   |               |           |               |           |               |           |               |           |               |               |                |
| Supervising Forester |                   |                                   |           |               |                                   |               |           |               |           |               |           |               |           |               |               |                |
| SFO                  |                   |                                   |           |               |                                   |               |           |               |           |               |           |               |           |               |               |                |
| Bush crew supervisor |                   |                                   |           |               |                                   |               |           |               |           |               |           |               |           |               |               |                |
| Contractor           |                   |                                   |           |               |                                   |               |           |               |           |               |           |               |           |               |               |                |
| Customer             |                   |                                   |           |               |                                   |               |           |               |           |               |           |               |           |               |               |                |
|                      |                   |                                   |           |               |                                   |               |           |               |           |               |           |               |           |               |               |                |
|                      |                   |                                   |           |               |                                   |               |           |               |           |               |           |               |           |               |               |                |
|                      |                   |                                   |           |               |                                   |               |           |               |           |               |           |               |           |               |               |                |

## CERTIFICATION OF COMPLETION OF THE OPERATION

*This checklist is intended to comprise the top page in the planning documentation folder / wallet*

|                     |                 |   |                 |
|---------------------|-----------------|---|-----------------|
| Region:             | see page header | State Forest OR<br>County/parish            | see page header |
| Management<br>Area: | see page header | Compartment OR<br>Portion, lot/DP, property | see page header |

| Tick when<br>added to<br>set | Documentation   | Comment |
|------------------------------|---|---------|
| 1. <input type="checkbox"/>  | Data search results – flora and fauna   |         |
| 2. <input type="checkbox"/>  | Data search results – indigenous cultural heritage  |         |
| 3. <input type="checkbox"/>  | Data search results – non-indigenous cultural heritage  |         |
| 4. <input type="checkbox"/>  | Copy (if any) of the flora/fauna survey report(s) (Ecologist retains the original survey data sheets)   |         |
| 5. <input type="checkbox"/>  | Copy (if any) of the indigenous cultural heritage survey report(s) and original data  |         |
| 6. <input type="checkbox"/>  | Copy (if any) of the non-indigenous cultural heritage survey report(s) and original data sheets   |         |
| 7. <input type="checkbox"/>  | Records of consultation with regulators, including specific license, consent, concurrence, etc (eg individual s120 TSL, Native Veg Act consent, concurrence from RLPB)                    |         |
| 8. <input type="checkbox"/>  | Records of consultation with lessees and/or permittees  |         |
| 9. <input type="checkbox"/>  | Records of consultation with stakeholders and the community   |         |
| 10. <input type="checkbox"/> | Copies of notifications sent (eg neighbours, Lands)   |         |
| 11. <input type="checkbox"/> | Environmental impact assessment   |         |
| 12. <input type="checkbox"/> | Due diligence checklist (form 10.1)   |         |
| 13. <input type="checkbox"/> | Quality control checklist (form 10.2)   |         |
| 14. <input type="checkbox"/> | Operational plan with signed approval pages   |         |
| 15. <input type="checkbox"/> | The Distribution Control Sheet for the plan   |         |
| 16. <input type="checkbox"/> | The Amendment Control Sheet for the plan  |         |
| 17. <input type="checkbox"/> | Copies of all revisions of and amendments to the plan   |         |
| 18. <input type="checkbox"/> | Supervising Forest Officer's copy of the plan, with diary notes (form 4), incidental records (eg forms 5, 20, 22), briefing records, post-harvest notes (form 6), other notes/annotations |         |
| 19. <input type="checkbox"/> | Completed clearance certificate (form 7) – only harvesting  |         |

**I certify that:**

- ☐ This file contains all documents associated with planning, implementation and recording for this operation as identified in the table above and is complete for internal/external audit purposes;
- ☐ The relevant information from them has been transferred to the compartment history data set; *and*
- ☐ The Region's geodatabase has been updated for the area completed in this operation.

|          |           |      |
|----------|-----------|------|
| Position | Signature | Date |
| Comment  |           |      |