



# LOCALITY MAP WESTERN REGION - SAW LOG HARVEST PLAN



State Forest Name: Campbell's Island

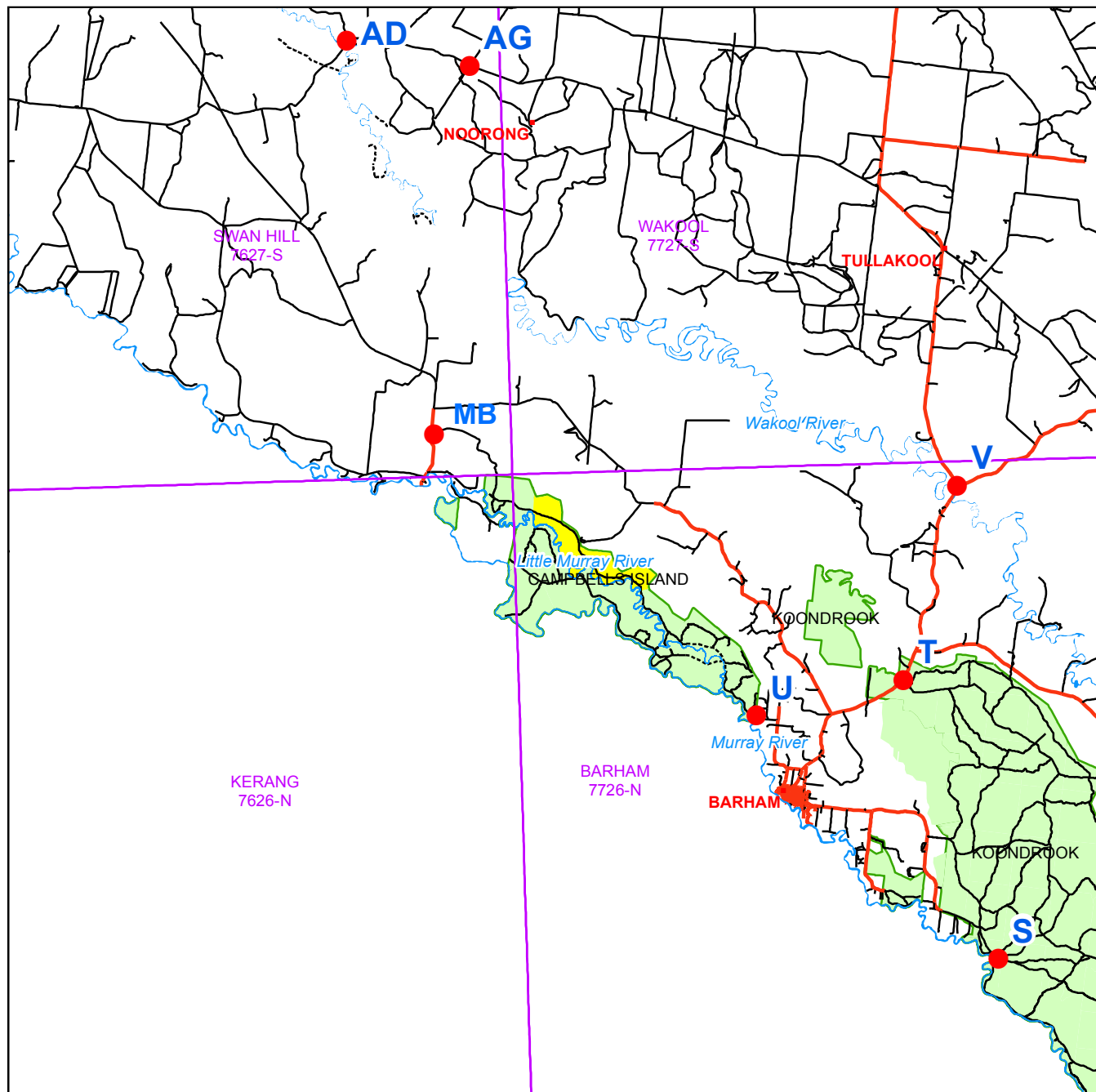
Compartment: 4 and 5

State Forest No: 615

Map Sheet: BARHAM 7726-N

Management Area: Murray

Scale: 1:250,000



0 10 20 30  
Kilometres

- Emergency Evacuation Points
- Roads
- Major Drainage
- Compartment(s) of interest
- State Forest

# HARVEST PLAN OPERATIONAL MAP

Western Region - Harvest Plan WRhfrt1116

Campbell's Island State Forest

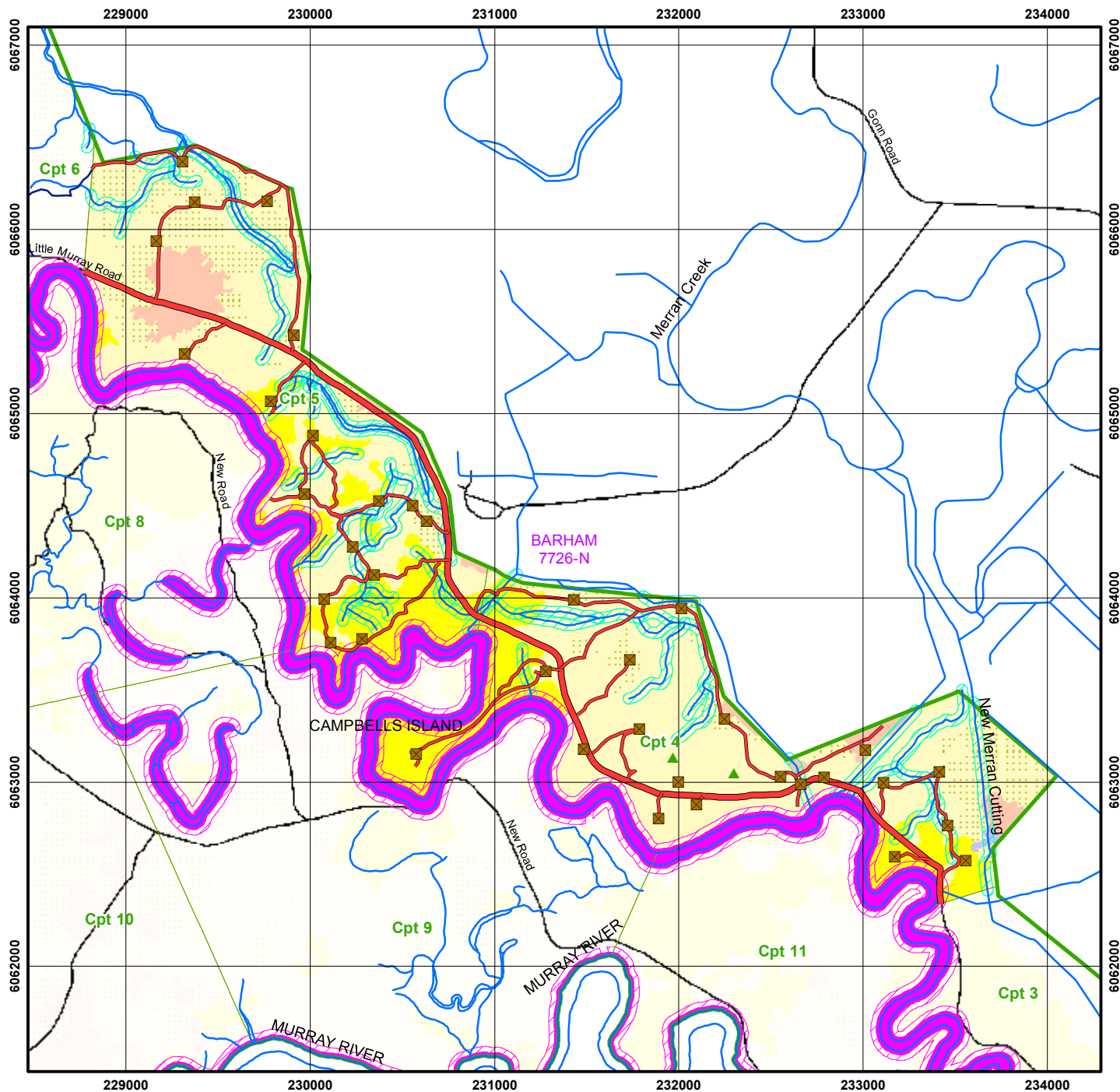
Compartment 4 and 5

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

Amendment 3. Approved: \_\_\_\_\_



Scale: 1:30,000



0 0.25 0.5 1 1.5 2 2.5 Kilometers

## Roads

- Crossings
- Existing - natural surface

## Harvest Roads

- Proposed new bush tracks
- Existing bush tracks
- Existing roads

## Harvest Area

- Red Gum SQ1
- Red Gum SQ2
- Red Gum SQ3
- Red Gum/Box
- Box
- Open Plain or Swamp

## Water Courses

- Drainage Line
- Rivers

## Non-Harvest Area

- Special Protection (Zone 1)
- Special Management (Zone 2)
- Harvesting Exclusion (Zone 3A)

## Modified Harvest Area

- Special Prescription (Zone 3B)
- Habitat Corridor/Buffer (Zone 3B 30m)
- Potential buffer to assess in field

## Boundaries

- Contour
- NSWTopo
- State Forest
- Compartments

## Features

- Glider sap feed tree
- Log Dumps

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

**FORESTS NEW SOUTH WALES - WESTERN REGION****NATIVE FOREST HARVESTING PLAN**

Refer: FPC 2010/01

**Campbell's Island State Forest – Compartments 4 and 5****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 – Riverina Red Gum apply to this operation.

Prepared by: Kelly Williamson	Endorsed by: Ross Irvine	Approved by: Warwick Bratby
Assistant District Manager	Environment and Resources Manager	Regional Manager
Signature	Signature	Signature
Date 18/06/2012	Date 18/06/2012	Date 18/06/2012

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 Compartment. 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)**

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

- ☐ I understand the conditions of the Plan,
- ☐ 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 Forests NSW officer.

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

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

Principal licensee/contractor/other (explain)

## Description of Proposal

High and Low Quality sawlogs and green and dry residue logs will be harvested under regulation of the Integrated Forest Operations Approval for Riverina Red Gum (RRG IFOA).

The operation will use mainly mechanical harvesting and processing to produce logs and forward them to dumps in a one stage operation. The logs will be removed from the forest by truck.

Natural regeneration is planned. No after-harvest burning or planting is proposed.

Attachment 1: Site Safety Plan prescribes the safety requirements and Medical Emergency Evacuation Plan for this harvesting operation.

No construction, reopening or upgrading of roads or bush tracks is proposed. Prescriptions for maintenance of existing roads and tracks are specified below.

## Area Identification and Yield Estimates

State Forest	Compartment/s	Region	Management Area	Harvest Plan ID
Campbell's Island	4 and 5	Western	Murray	3956

COMPARTMENT	4	5	Total
Event ID	15036	15037	
Gross Area (ha)	263	274	537
Net Harvest Area (ha)	240	246	486
Estimated Yield HQL Sawlog (m <sup>3</sup> )			2000-3000
Estimated Yield Ex-Quota Sawlog (m <sup>3</sup> )			2500-3500
Estimated Yield Residue (t)			4000-5000

## Silviculture and Harvesting Prescriptions

River Red Gum forest occurs over most of the planning area, however, on higher ground a small box component occurs in compartment 4. There are several small areas and one larger area (in compartment 5) also mapped as Open Plain/Swamp. There is also a section of the New Merran Cutting traversing through the eastern section of compartment 4 which is a man made channel.

The understorey is very open, with scattered Dwarf Cherry (*Exocarpus strictus*) and potentially small areas of Silver Wattle (*Acacia dealbata*) particularly close to the river, currently unmapped. Any areas found are to be mapped by the SFO and provided to the harvesting planner.

The planning area has a history of Intensive Utilisation (IU) operations from the 1950's to the early 1960's. IU operations consisted of timber harvesting through Single Tree Selection (STS), thinning techniques and the simultaneous ring barking of non-commercial over-mature overstorey. Compartment 4 was last harvested for high quality sawlogs in 1997, compartment 5 in 1998.



These previous silvicultural treatments have led to a mosaic of even-aged and uneven-aged patches of River Red Gum forest in three distinct age classes: a small number of over-mature and dead trees; mature trees of various sizes and large swathes of advanced regeneration.

Drought conditions over recent times have resulted in the death of the over-mature age class. The health of the mature age class varies but a majority of it is deteriorating, whilst the advanced regeneration is competing for moisture with mature trees and struggling to grow. The mature age class requires removal to promote further growth of the large areas of advanced regeneration and to create conditions that will allow other parts of the forest to regenerate following the recent flood events.

The area of each silvicultural treatment must be mapped and recorded in the Post-logging information section of this plan.

### **Silvicultural Planning**

The broad objectives of the silvicultural treatment of this Red Gum forest, which vary in emphasis depending on Forest Management Zoning, are to:

- Maximise the yield of high quality large sawlogs on a continuing basis over an indefinite period of time
- Maintain a diverse forest structure
- Maintain, or enhance if practicable, critical elements of flora and fauna habitat
- Maintain, or enhance if practicable, the visual amenity of the forest.

Three silvicultural systems may be applied in the net harvest area: Australian Group Selection (AGS) in areas of site quality 1 and 2, as per the Harvest Plan Operational Map (HPOM), Thinning and Single Tree Selection (STS).

#### Australian Group Selection

**Across the Site Quality (SQ1 & SQ2) areas, where there is little advanced regeneration present,** Australian Group Selection (AGS) must be applied to the patches where the dominants have reached their maximum potential, in order to create regeneration openings.

- q Groups of commercially mature trees must be removed to create canopy openings to encourage regeneration (regeneration openings). Regeneration openings must be as large as is practicable but must not exceed 0.5ha in size and 80m in diameter, as measured from the outermost trees standing on the outer boundary of the group prior to logging.
- q Regeneration openings must be separated by a visual buffer of retained trees, which does not have regeneration openings created in it, but which may be thinned from below, have STS applied (if there is useful growing stock) or be left unharvested.
- q The total area of regeneration openings must not exceed thirty percent (22.5%) of the net harvest area in this Plan.
- q The location of AGS gaps must be recorded by GPS, recorded in the SFO Harvest Plan notes, and provided to the harvest planner.
- q Regeneration openings must be sited to avoid selected Habitat and Recruitment trees (see RRG IFOA for Habitat and Recruitment tree definitions).

- q selected Habitat and Recruitment trees (see RRG IFOA for Habitat and Recruitment tree definitions).

### Thinning and Early Thinning

**Thinning from below** must be applied between regeneration openings in areas carrying advanced regeneration which is vigorous and capable of further growth, to allow the remaining dominant and co-dominant trees to maintain vigour.

**Across the planning area**, thick stands of early mature/juvenile trees, less than 50cm dbhob, will also be thinned from below (Early Thinning) to provide adequate spacing to allow the remaining dominant and co-dominant trees to maintain vigour.

- q Thinning must be from below, removing the commercial trees with the poorest growth or commercial potential (usually suppressed, subdominant or smaller diameter codominant trees, or damaged/diseased trees) and retaining the trees with the best growth and commercial potential (usually dominant or larger diameter codominant trees).
- q Retained dominant and codominant trees of the same age class must be spaced far enough apart so that their crowns have just enough room to grow together again by the time of the next harvesting operation (approximately 25 to 30 years), with a basal area greater than 12 square meters per hectare.
- q If thinning of the dominant and codominant trees of the same age class would result in the crowns of the retained dominant and codominant trees being spaced much wider apart than they could fill by the time of the next harvesting operation, they must all be retained or a regeneration opening must be created (AGS).

### Single Tree Selection

Across the planning area, where there is ample surviving advanced regeneration present, Single Tree Selection (STS) must remove the overstory to allow the advanced regeneration to develop.

- q In areas of SQ1 & SQ2, STS must remove the commercial older overstorey trees and retain the younger vigorous trees (the useful growing stock)
- q In areas of SQ3, STS must remove commercial trees that have reached their end point.

### **Harvesting Prescription**

Stand type	% of net area	Area (refer to HPOM for details)	Treatment Refer to <i>Standard Harvest Plan Conditions for Native Forest Operations in Western Region. – Riverina Red Gum</i> for more detail.
Mature red gum with poor regeneration	15%	Site Quality 1 and 2	<ul style="list-style-type: none"> <li>AGS</li> </ul>
Mature red gum with adequate regeneration	40%	Dispersed across both cpts	<ul style="list-style-type: none"> <li>Thinning</li> </ul>
Early mature red gum with adequate regeneration	40%	Dispersed across both cpts	<ul style="list-style-type: none"> <li>Early thinning</li> </ul>
Advanced	5%	Dispersed	<ul style="list-style-type: none"> <li>Single Tree Selection</li> </ul>

regeneration		across both cpts	
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The SFO will ensure that all relevant tree retention and silvicultural prescriptions are met during harvesting operations.

The operation must, as far as practicable, not damage individual plants of good form regeneration or sapling size red gum, especially where there are few others nearby. Across the net harvest area, trees over 120cm dbhob must be retained, unless determined and recorded as being unsafe and hazardous, and approved for removal by the SFO.

### Tree Marking

The majority of the area will be tree marked for **retention**. The operation must, as far as practicable:

- For the allowed species, fall each tree not marked for retention, unless it clearly does not meet the product standard, and
- Not fall or damage trees marked for retention, or marked as boundary trees.
- In areas of AGS, the boundaries of the openings will be marked for retention and clearly identified as a gap by the SFO. All trees within the boundary should be removed.

And

The Single Tree Selection areas (and other areas as deemed necessary by the SFO) will be tree marked for **removal**. The operation must, as far as practicable:

- For the allowed species, fall each tree marked for removal, unless it clearly does not meet the product standard, *AND*
- Not fall or damage trees not marked for removal, particularly those marked for retention or marked as boundary trees.

### Special Conditions

#### Critical boundaries

The Compartment is bounded by fences to the north and the Little Murray River to the south. Refer to the Operational map for more detail. Marking of the compartment boundary is proposed along the bordering compartments.

#### Private Property

As private property borders to the north, fences must not be damaged during the operation. Any accidental damage must be reported to the SFO immediately and the neighbouring land holder alerted.

#### Research / Inventory Plots

No research plots or trials are known in this compartment.

#### Leases/OPs

The area is covered by an Occupation Permit for beekeeping and grazing. In particular:

The area is or may be subject to grazing under Grazing Permit. In particular:

- Fences. No fence may be damaged except at places approved by the Supervising Forest Officer. Any damage to a fence by the Contractor must be immediately reported to the lessee via the Supervising Forest Officer and fixed immediately by the Contractor.
- Gates and roads. The Contractor must keep the gate(s) on the property as found (open or closed). Existing roads must not be blocked or damaged. Any damage must be repaired immediately.
- Debris and stumps. Trees must be felled to minimise the level of work required to stack, pile and burn the tree heads on completion of the operation.
- Apiary Sites. A 20m buffer must be applied around each bee hive encountered.

#### Transmission Lines/Cables/Pipelines

- No Transmission lines, cables or pipelines are known in the harvest area. No disturbance to the New Merran cutting (man-made channel) in the east of compartment 4 is to occur.

### **Forest Management Zoning Conditions**

FMZ 3A A drainage feature protection zone exist along the Little Murray River which form the southern boundary of both compartment 4 and 5 (as shown on HPOM). Exclusion zones are specified on the map.

FMZ 3B A 30 metre buffer zone applies around each exclusion zone.

FMZ 4 'General Management' occurs within the compartment as Site Qualities 1, 2 and 3 (shown on HPOM). Normal harvesting prescriptions apply in this area.

### **Cultural Heritage Conditions**

There are a number of scar trees and middens that have been identified in the planning area.

The SFO must contact the Supervising Forester prior to pre-harvest mark up to obtain the co-ordinates of all cultural heritage sites located in the planning area.

- q During pre-harvesting mark up, the SFO must search for sites or artefacts of cultural heritage.
- q The harvesting licensee/contractor must inform the SFO of the location of all cultural heritage sites detected during the operation and must not disturb them.

The SFO must record the location of all cultural heritage sites on the Operational Map, and report to the Supervising Forester.

- q An exclusion zone around an Aboriginal scar tree must be a minimum of 20 metres wide.
- q An exclusion zone around a midden or artefact must be a minimum of 10 meters wide.
- q Harvesting machinery must not operate on sandhills.

### **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. – Riverina Red Gum.

### **Mark-up Conditions**



Refer to Standard Harvest Plan Conditions for Native Forest Operations in Western Region. – Riverina Red Gum for prescriptions.

### Tree retention Conditions

Refer to Standard Harvest Plan Conditions for Native Forest Operations in Western Region. – Riverina Red Gum for prescriptions.

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

There are no known areas of endangered ecological community (EEC) occurring within the net operational area that need additional harvest exclusions or modified harvesting zones implemented.

The SFO should watch out for any of these areas that may occur.

Refer to Standard Harvest Plan Conditions for Native Forest Operations in Western Region. – Riverina Red Gum for prescriptions.

### Species Known or Likely to Occur

Two Glider sap feed trees have been found in compartment 4, these must be marked for retention and must not be damaged (as per HPOM).

Contractors and supervisory staff must immediately report any sightings of Schedule 1 and 2 species to the Supervising Forester. The Harvesting Plan must then be amended to include additional prescriptions if necessary.

Threatened species and habitat feature	IFOA Clause	Site-specific prescription / Buffer radius
Superb parrot nest	198	100m
Regent parrot nest	198	100m
Square-tailed kite nest or roost	198	200m
Little eagle nest or roost	198	200m
Any threatened owl nest or roost	198	200m
Spotted harrier nest or roost	198	200m
Bush stone curlew nest	198	100m
Gilbert's Whistler nest	198	20m
Gilbert's Whistler record	210	300m no 'dry' residue harvest
Microchiropteran bat roost tree	199	30m
Koala in tree	200 (1,c)	30m
Koala high-use area	200 (1,b)	100m

### Fisheries Licence Conditions

Applicable Fisheries Licence conditions are detailed in the Riverina Red Gum IFOA. Refer to Standard Harvest Plan Conditions for Native Forest Operations in Western Region. – Riverina Red Gum for prescriptions.

### Soil and Water Protection Conditions

Applicable Environmental Protection Licence conditions are detailed in the Riverina Red Gum IFOA. Refer to Standard Harvest Plan Conditions for Native Forest Operations in Western Region. – Riverina Red Gum for prescriptions.

Site-specific EPL conditions – The following features occur within the planned area. Refer to operational map for more detail.

Elements	Conditions
Little Murray River	20m Feature Protection Zone plus 30 m Buffer Zone
Mapped drainage depression or wetland depression	30 m Buffer Zone to be determined in field
Unmapped drainage depression or wetland depression (>400 m <sup>2</sup> )	30 m Buffer Zone to be determined in field
Dams	10m

A drainage depression constitutes any channel where natural surface water concentrates and flows, averages 5m width or greater, 0.5m deep and 500m in length, and does not contain any live trees greater than 150mm dbhob within its banks.

A wetland depression constitutes any visible (average 0.5m deep at at least one point compared to general ground level) shallow, open depression of at least 400m<sup>2</sup> where there are no live trees over 150mm dbhob. They may or may not be connected to other drainage features or fed by a seasonal, permanent or intermittent water table at or slightly above the floor of the depression.

It is the responsibility of the SFO to identify any exclusion areas which will need to be crossed during harvesting. The SFO should then contact the Planning Forester to obtain the necessary approval.

There are no Road, snig / extraction track drainage line crossings anticipated or approved for use on drainage features within this operation.

### Road Works Conditions

Only existing natural surface roads and bush tracks are proposed to be used during the operation. Maintenance to these, including periodic debris clearing and pot-hole filling, will occur during the operation. Any further up-grade works, crossings or new roads and bush tracks need to first be approved by the Regional Manager through a HPOM amendment and/or Schedule 4.

### 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. – Riverina Red Gum are held on site.

This operation must comply with the following:

- q Standard Harvest Plan Conditions for Native Forest Operations in Western Region. – Riverina Red Gum
- q Licence conditions issued by Forests NSW under the Forestry Act (1916).
- q Forest Practices Code, Part 2, Timber Harvesting In Native Forests (4<sup>th</sup> edition 1999).
- q Forest Practices Code, Part 4, Forest Roads and Fire Trails (1999).
- q 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:
  - o Threatened Species Conservation Licence (TSCL) issued under the Threatened Species Conservation Act 1995
  - o Fisheries Management Licence issued under Part 7 (Div 3) Fisheries Management Act 1994
  - o Environmental Protection Licence (EPL) issued under the Protection of the Environment Operations Act 1997.

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

## DUMP USAGE RECORD

- Record the commencement and completion of harvesting at each dump

[illegible]

\* GPS coordinates in MGA 1994 Zone: 55





### 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.
- ☐ all machinery has been washed down (if required) to prevent the spread of noxious weeds or pests.

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 \_\_\_\_\_

Signature

\_\_\_\_\_

Name

date: \_\_\_\_\_

## HARVEST PLAN AMENDMENT RECORD

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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: \_\_\_\_\_

### RECORD OF INCIDENTAL THREATENED PLANT OR THREATENED FAUNA FEATURE SIGHTING

- For each occurrence/population sighted/identified, a separate form 5 must be filled out and provided to the Region Ecologist as soon as practicable. The details must also be recorded on this form in the Supervising Forest Officer's copy of the operational plan, with the date the separate form 5 went to the Ecologist.
- Some features or species require no further prescription but should still be recorded while other features or species require an immediate prescription and/or further survey before logging may continue in the vicinity.
- Locations of species/features recorded on this form should be noted on the operational 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 (put C or H in each relevant cell)	Anticipated volume		
			High	Medium	Low
		High quality large sawlog			
		High quality small sawlog			
		Low quality sawlog			
		Fencing/posts			
		Vineyard posts (cypress)			
		Residue			
		Habitat trees / Non-merchantable			
	<input type="checkbox"/> 0 to 5 years to next harvest				
	<input type="checkbox"/> 5 to 10 years to next harvest				
	<input type="checkbox"/> 10 to 20 years to next harvest				
	<input type="checkbox"/> 20 to 30 years to next harvest				
	<input type="checkbox"/> 30 plus years to next harvest				

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

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2. Sites of soil erosion for attention.

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

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

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

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

Date (and GPS grid ref optional)	Before or after harvest	Category	Component			
			Dom/ Codom't	Other cohort	All red gum	Other species
	<input type="checkbox"/> Before	merchantable				
	OR	pre-merch				
	<input type="checkbox"/> After	non-merch				
		total				
	trees marked for (circle correct one): retention / removal					
	<input type="checkbox"/> Before	merchantable				
	OR	pre-merch				
	<input type="checkbox"/> After	non-merch				
		total				
	trees marked for (circle correct one): retention / removal					
	<input type="checkbox"/> Before	merchantable				
	OR	pre-merch				
	<input type="checkbox"/> After	non-merch				
		total				
	trees marked for (circle correct one): retention / removal					
	<input type="checkbox"/> Before	merchantable				
	OR	pre-merch				
	<input type="checkbox"/> After	non-merch				
		total				
	trees marked for (circle correct one): retention / removal					
	<input type="checkbox"/> Before	merchantable				
	OR	pre-merch				
	<input type="checkbox"/> After	non-merch				
		total				
	trees marked for (circle correct one): retention / removal					
	<input type="checkbox"/> Before	merchantable				
	OR	pre-merch				
	<input type="checkbox"/> After	non-merch				
		total				
	trees marked for (circle correct one): retention / removal					
	<input type="checkbox"/> Before	merchantable				
	OR	pre-merch				
	<input type="checkbox"/> After	non-merch				
		total				
	trees marked for (circle correct one): retention / removal					
	<input type="checkbox"/> Before	merchantable				
	OR	pre-merch				
	<input type="checkbox"/> After	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.

**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 H = hand E = email M = mail	Date done	By (initials)	1		2		3		4		5		Date received	Date destroyed
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 County/parish	see page header
Management Area:	see page header	Compartment OR Portion, lot/DP, property	see page header

Tick when added to 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		