LOCALITY MAP Western Region - Harvest Plan

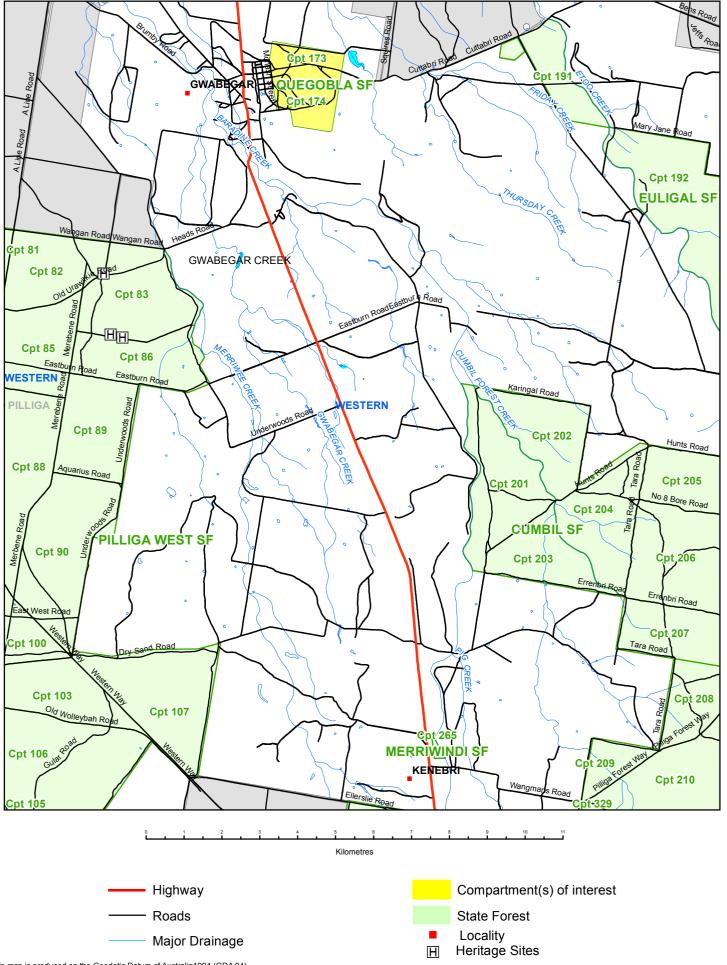


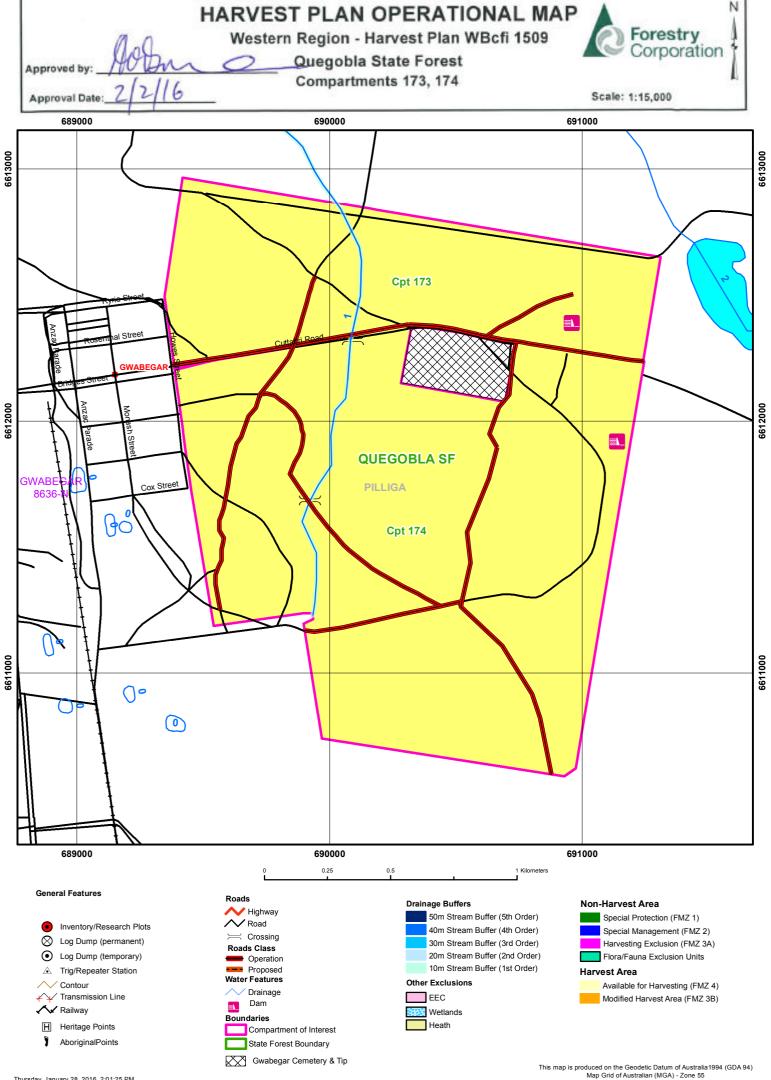
Management Area: PILLIGA
State Forest No: 813

Scale: 1:100,000

State Forest Name: QUEGOBLA

Compartments: 173, 174
Compartment Areas: 99.5ha, 244.4ha







FORESTRY CORPORATION OF NEW SOUTH WALES – WESTERN REGION NATIVE FOREST HARVESTING PLAN WBcfi 1509

Certification

Brigalow Nandewar IFOA Harvest Plan

Refer: FPC 2010/01

Quegobla State Forest - Compartments 173, 174

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 apply to this operation. Adam Kirby | Endorsed By: Approved By: Andrew O'Brien Prepared By: Ross Irvine Environment & Resource Manager Senior Manager, Western Assistant District Manager / Signature Signature Date: Date: Date: 1.2.2016 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: Date: Signature: 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 Forestry Corporation of NSW officer. Signature: ______Date: _____Date: _____ Licence No: Position: Principal licensee/contractor/other (explain) Signature: Name: _____Date: _____ Licence No: Position: __ Principal licensee/contractor/other (explain)

Ver. 3.0 June 2014

Page 1

Description of Proposal

White cypress sawlogs, ironbark sawlogs and green residue will be harvested under regulation of the Integrated Forest Operations Approval for Brigalow-Nandewar Region (B-N IFOA).

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

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

No construction, reopening or upgrading of roads or bush tracks is proposed. Existing roads and tracks will be maintained in accordance with the <u>Standard Harvest Plan Conditions for Native Forest Operations in Western Region – Brigalow Nandewar v3</u>.

Area Identification and Yield Estimates

State Forest	Compartment/s	Region	Management Area	Harvest Plan ID
Quegobla	173, 174	Western	Pilliga	10714

COMPARTMENT	173	174
Plan Cpt Event ID	21990	21991
Gross Area (ha)	100	244
Net Harvest Area (ha)	50	160
Estimated Yield Cypress Sawlog (m³)	200	770
Estimated Yield Ironbark / Hardwood Sawlog (m³)	50	100
Estimated Yield Residue (t)	50	100

Silviculture and Harvesting Prescriptions

The planning area has a history of silvicultural treatment with reliable records going back to 1927.

The mature cypress stands within compartments 173 & 174 were established during regeneration events in the 1890's & 1950's. The last harvesting event in these Compartments was a white cypress sawlog operation in 1974/1975.

Regeneration establishment and stand improvement have resulted from this disturbance, creating conditions suitable for a combination of commercial cypress thinning (vertical cut silviculture) and release harvest across the planning area, as well as ironbark sawlog and bull-oak harvesting.

The area of each silvicultural treatment must be mapped and recorded in the Post-logging information section of this plan. The table below describes the history of this compartment:

Year	1974/75
TSI	X
HR Burning	X
Wildfires	Х
Logging Cypress Sawlog	V
Logging Hardwood Sawlog	Х

 $[\]sqrt{-}$ applies, X – not applicable

Silvicultural Planning

According to stand variability, a combination of cypress release and thinning silviculture as per the <u>Standard Harvest Plan Conditions for Native Forest Operations in Western Region – Brigalow Nandewar v3</u> will be exercised throughout the compartments.

The cypress 'release' operation is aimed at releasing established regeneration from competition with the mature overstorey. Once released, the stand will require thinning in the next 10-20 years.

The cypress thinning operation is aimed at reducing competing stems whilst concentrating growth on the retained, higher quality, future sawlogs. This stand will require further thinning in around 10-20 years.

The Ironbark sawlog operation is aimed at removing commercially mature trees, trees lacking potential for future growth and trees competing with more dominant trees within the stand. Where regeneration is not present or unlikely to occur, trees should be selected to build upon canopy openings so as to encourage establishment and development of regeneration.

Bull oak will be harvested as per <u>Standard Harvest Plan Conditions for Native Forest Operations in Western Region – Brigalow Nandewar v3.</u> No dry firewood is to be harvested in this operation.

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

Harvesting Prescription

Stand type	% of	Area (refer	Treatment
	net area	to HPOM for details)	Refer to Standard Harvest Plan Conditions for Native Forest Operations in Western Region. – Brigalow Nandewar for more detail.
Mature Cypress with	50%	All	Release cypress silviculture.
adequate regeneration.	NHA		
Mature Cypress Without regeneration	50% NHA	All	Thinning (Vertical Cut) Silviculture
Western Ironbark	100% NHA	All	Ironbark standard silviculture.

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 of white cypress or ironbark, especially where there are few others nearby.

Tree Marking

Cypress

The area will be **primarily** tree marked for **retention**. In any such area, 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 Specifications for White Cypress Sawlogs (Appendix 1 of the <u>Standard Harvest</u> <u>Plan Conditions for Native Forest Operations in Western Region – Brigalow Nandewar</u> <u>v3</u>), AND
- Not fall or damage trees marked for retention, or marked as boundary trees.

At the discretion of the SFO, areas of merchantable Cypress may be tree marked for **removal** if stand conditions dictate. Any change in marking technique must be noted in the SFO's Notes, and these areas annotated on the Operational Map. Boundaries between the different marking strategies must be clearly defined in the field, with harvest contractors advised of the change in marking strategy.

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

- For the allowed species, fall each tree marked for removal, unless it clearly does not meet the Specifications for White Cypress Sawlogs (Appendix 1 of the <u>Standard Harvest</u> <u>Plan Conditions for Native Forest Operations in Western Region – Brigalow Nandewar</u> v3), AND
- Not fall or damage trees not marked for removal, particularly those marked for retention or marked as boundary trees.

Ironbark

The area 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 Specifications for Western Ironbark Sawlogs (Appendix 2 of the <u>Standard</u> <u>Harvest Plan Conditions for Native Forest Operations in Western Region – Brigalow</u> <u>Nandewar v3</u>), AND
- Not fall or damage trees not marked for removal, particularly those marked for retention or marked as boundary trees.

Bull oak & green residue

No additional marking for these products is proposed. Harvesting will be as per <u>Standard Harvest Plan Conditions for Native Forest Operations in Western Region – Brigalow Nandewar v3.</u>

4. Special Conditions

Critical boundaries

The Compartment is bounded by a combination of roads and fences. Refer to the HPOM for more detail. Apart from drainage feature protection zones, marking of the compartment boundaries is not proposed.

Private Property

Apart from the Cuttabri Road separating the two Compartments, all Compartment boundaries adjoin private property, & are bordered by fencing. Additionally, Gwabegar tip & cemetery adjoin the Cuttabri Road in the north of Compartment 174- these features are also fenced from the forest.

National Park

There are no national parks or formal reserves adjoining the planning area.

Research / Inventory Plots

As shown on the HPOM, there are no research or inventory plots in this Compartment.

Leases/OPs

The area is covered by an Occupation Permit for beekeeping. A 20m buffer must be applied around any apiary site/s encountered. There is also a grazing lease over the forest- any gates encountered should be left either open or closed as found upon entry & exit to the forest.

Transmission Lines/Cables/Pipelines

There is an underground telecommunications cable running along the northern fenceline of Compartment 174 as identified by intermittent marker posts. This cable is outside of the trafficable road along boundary. There are no other known transmission lines/cables/pipelines in the planned area.

Forest Management Zoning Conditions

FMZ 4 'General Management' occurs within the compartment (shown on HPOM). Normal harvesting prescriptions apply in this area.

Cultural Heritage Conditions

There are no known cultural heritage sites (Aboriginal or non-Aboriginal) known in this compartment. If a site that might be a cultural heritage site is found:

- Its location must be promptly reported to the Forestry Office via the Supervising Forest Officer.
- A 20m no-harvest zone must be applied around this site until advised otherwise

Flora and Fauna Conditions

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

Mark-up Conditions

Refer to <u>Standard Harvest Plan Conditions for Native Forest Operations in Western Region. – Brigalow Nandewar v3</u> for prescriptions.

Tree Retention Conditions

Refer to <u>Standard Harvest Plan Conditions for Native Forest Operations in Western Region.</u> – Brigalow Nandewar v3 for prescriptions.

Site-Specific Conditions, Exclusion Zones & Modified Harvest Areas

There are no known areas of heath, cliffs and/or other endangered ecological communities (EECs) occurring within the net operational area that need additional harvest exclusions or modified harvesting zones implemented.

Supervisory staff should watch out for any of these areas that may occur.

Refer to <u>Standard Harvest Plan Conditions for Native Forest Operations in Western Region.</u> – Brigalow Nandewar v3 for prescriptions.

Species Known or Likely to Occur

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

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.

Fisheries Licence Conditions

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

Soil and Water Protection Conditions

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

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

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

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.

As shown on the HPOM, there is 1 existing drainage feature crossing on an existing forest road in Compartment 174, & 1 existing crossing on the main Cuttabri Rd proposed to be used during this operation,. No maintenance or upgrading works are proposed for these crossings.

Road Works Conditions

Approximately 7.5km of existing roads and tracks as shown on the HPOM may be used, & maintained in accordance with the <u>Standard Harvest Plan Conditions for Native Forest Operations in Western Region. – Brigalow Nandewar v3</u>.

Legal Conditions

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

This operation must comply with the following:

Standard Harvest Plan Conditions for Native Forest Operations in Western Region. – Brigalow Nandewar v3.
Licence conditions issued by Forestry Corporation of NSW under the Forestry Act (2012).
Forest Practices Code, Part 2, Timber Harvesting In Native Forests (4th edition 1999).
Forest Practices Code, Part 4, Forest Roads and Fire Trails (1999).
Integrated Forestry Operations Approval issued under Part 4 of the Forestry and National Parks Estate Act 1998 (IFOA) as amended July 2013 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.

Page 7

SFO FEATURE USAGE RECORD - LOG DUMPS

Dates of commencement and cessation of logging

Date of commencement of logging:	
Date of cessation of logging:	
DUMP USAGE RECORD	

Record the commencement and completion of harvesting at each dump

Dump number	Start date	Finish date	Easting*	Northing*	**Temporary track drainage Required?	Comment

^{*} GPS coordinates in MGA 1994 Zone: 55

^{**} If a downhill extraction track enters a log dump from the uphill side, then at the end of each day on which it is used during a logging operation, a drainage structure must be in place on the extraction track within 40 metres of the log dump, on its uphill side.

SFO FEATURE USAGE RECORD - LOG DUMPS

Dates of commencement and cessation of logging

Date of commencement of logging:	
Date of cessation of logging:	

DUMP USAGE RECORD

Record the commencement and completion of harvesting at each dump

Dump number	Start date	Finish date	Easting*	Northing*	**Temporary track drainage Required?	Comment

^{*} GPS coordinates in MGA 1994 Zone: 55

^{**} If a downhill extraction track enters a log dump from the uphill side, then at the end of each day on which it is used during a logging operation, a drainage structure must be in place on the extraction track within 40 metres of the log dump, on its uphill side.

Date (dd/mm/yy)	Authorisation given / hazard identified / instruction made / comments	Licensee/contractor acknowledgment
, , ,		
		<u> </u>

Date (dd/mm/yy)	Authorisation given / hazard identified / instruction made / comments	Licensee/contractor acknowledgment

Date (dd/mm/yy)	Authorisation given / hazard identified / instruction made / comments	Licensee/contractor acknowledgment

Date (dd/mm/yy)	Authorisation given / hazard identified / instruction made / comments	Licensee/contractor acknowledgment

Date (dd/mm/yy)	Authorisation given / hazard identified / instruction made / comments	Licensee/contractor acknowledgment

Date (dd/mm/yy)	Authorisation given / hazard identified / instruction made / comments	Licensee/contractor acknowledgment

Date (dd/mm/yy)	Authorisation given / hazard identified / instruction made / comments	Licensee/contractor acknowledgment

Date (dd/mm/yy)	Authorisation given / hazard identified / instruction made / comments	Licensee/contractor acknowledgment

Date	Authorisation given / hazard identified / instruction made / comments	Licensee/contractor
(dd/mm/yy)	, and the second	acknowledgment

Date (dd/mm/yy)	Authorisation given / hazard identified / instruction made / comments	Licensee/contractor acknowledgment

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:
Signature: Licensee/Contractor Licensee/Contractor
Date:
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:

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:
Signature: Licensee/Contractor Licensee/Contractor
Date:
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:

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:
Signature: Licensee/Contractor Licensee/Contractor
Date:
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:

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:
Signature: Licensee/Contractor Licensee/Contractor
Date:
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

Amendment No. & type		& type	Date	Amendment Details	All Copies Amended	Signature
Number Major Minor		Minor	Prepared		Amended	
1	IVIAJUI	IVIIIIOI				
'						
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:		Date:	
Position:	Incoming Supervising Forest Officer		
Signature:		Date:	
Position:	Incoming Supervising Forest Officer		
Signature:		Date:	
	Incoming Supervising Forest Officer		
Signature:		Date:	
Position:	Incoming Supervising Forest Officer		
Signature:		Date:	
Position:	Incoming Supervising Forest Officer		
Signature:		Date:	
	Incoming Supervising Forest Officer		

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.
 IR form = incidental record form 5. ECO = Regional Ecologist

Species or features detected (include type, number, etc.)	Map datum GDA94 Location (MGA reference)		Action taken	Date IR form
grand grand and an arrangement	Easting (6-digit)	Northing (7-digit)		given to ECO
	, , ,	, , ,		

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.
 IR form = incidental record form 5. ECO = Regional Ecologist

Species or features detected (include type, number, etc.)	Map datu	m GDA94 GA reference)	Action taken	Date IR form
(include type, number, etc.)	Easting	Northing		given to ECO
	(6-digit)	(7-digit)		LCO

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

	INIIS								
POSSIBLE	NEAL II	VD//ECT	_	_	Main nr	oduct type	Λn	ticinated ve	lumo
PUSSIBLE			= hardw	hod		each relevant cell)	High	ticipated vo Medium	Low
	0 - 0	ypiess ii	– Haruwi	Jou			riigii	IVICUIUIII	LOW
					High quality lar		-		
					High quality sm				
					Low quality sav				
					Vineyard posts	(cypress)	-		
Code on map					Residue	N			
Code on map			to pour	horuset	Habitat trees /	Non-merchantable			
		0 to 5 years							
		5 to 10 years							
		0 to 20 years						<u>-</u>	
		0 to 30 years plus years					· - ······	····-	
. Noxious o		•			evels of feral anim	nal use.			
				-, g					
2. Sites of so	il orocior	n for attention							
z. Siles di sc	JII ELOSIOI	i ioi alleiilloii							
B. Boundary	compron	nised; neighb	our issue	es resultii	ng from logging o	r haulage.			
1. Operation	map erro	ors for attention	on (e.g. f	orest typ	e; roads) of appro	opriate staff (e.g. GI	S, Planner	-)	
			-						
 λην other	common	te SIIDEDV	(ICINIC E	UDECT	OFFICER / FA / I	Forestor		•••••	
5. Any other	commen	is - SUPERV	ISING F	UKESI	OFFICEK / FA / I	ruiestei			

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

Date	Before or	Category		Comp	onent	
(and GPS grid ref optional)	after harvest		All trees	White cypress	Ironbark	Other species
	Before	merchantable				
	OR	pre-merch				
	After	non-merch			-	
		total				<u> </u>
trees marked for (circle	correct one): ret	ention / removal				
	Before	merchantable				
	OR	pre-merch				
	After	non-merch			-	
		total				
trees marked for (circle	correct one): ret	ention / removal				
	Before	merchantable				
	OR	pre-merch				
	After	non-merch				
		total				<u> </u>
trees marked for (circle						
	Before	merchantable				
	OR	pre-merch				
	After	non-merch				
		total				
trees marked for (circle	correct one): ret	ention / removal				
	Before	merchantable				
	OR	pre-merch				
	After	non-merch				
		total				
trees marked for (circle	correct one): ret	ention / removal				
	Before	merchantable				
	OR	pre-merch				
	After	non-merch				
		total				
trees marked for (circle	correct one): ret	ention / removal				
	Before	merchantable				
	OR	pre-merch				
	After	non-merch				
		total				
trees marked for (circle	correct one): ret	ention / 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

<u>Amendment</u>: 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	Delive	ry to rec	ipient	Amendment affected in plan copies							Plan recall				
		Method	Date	Ву	_	1		2	,	3	4	4		5	Date	Date
		H = hand	done	(initials)	Date	Ву	Date	Ву	Date	Ву	Date	Ву	Date	Ву	received	destroyed
		E = email M = mail			done	(initials)	done	(initials)	done	(initials)	done	(initials)	done	(initials)		
RO		W Han														
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	see page header
		County/parish	
Management	see page header	Compartment OR	see page header
Area:		Portion, lot/DP, prope	erty

Tick when added to set	Documentation		Comment	
1. 🗌	Data search results – flora and fauna			
2. 🗌	Data search results – indigenous cultur	al heritage		
3. 🗌	Data search results – non-indigenous c	ultural heritage		
4. 🗌	Copy (if any) of the flora/fauna survey r the original survey data sheets)	eport(s) (Ecologist retains		
5. 🗌	Copy (if any) of the indigenous cultural and original data	heritage survey report(s)		
6. 🗌	Copy (if any) of the non-indigenous report(s) and original data sheets	cultural heritage survey		
7. 🗌	Records of consultation with regulationse, consent, concurrence, etc. (Native Veg Act consent, concurrence from the consent of	eg individual s120 TSL,		
8. 🗌	Records of consultation with lessees ar			
9. 🗌	Records of consultation with stakeholder	ers and the community		
10. 🗌	Copies of notifications sent (eg neighbo	ours, Lands)		
11. 🗌	Environmental impact assessment			
12. 🗌	Due diligence checklist (form 10.1)			
13. 🗌	Quality control checklist (form 10.2)			
14. 🗌	Operational plan with signed approval p	pages		
15. 🗌	The Distribution Control Sheet for the p	lan		
16. 🗌	The Amendment Control Sheet for the p	plan		
17. 🗌	Copies of all revisions of and amendme	ents to the plan		
18. 🗌	Supervising Forest Officer's copy of the (form 4), incidental records (eg forms 5 post-harvest notes (form 6), other notes	, 20, 22), briefing records,		
19. 🗌	Completed clearance certificate (form 7	') – only harvesting		
I certify that				
	contains all documents associated with pd in the table above and is complete for i			is operation as
☐ The rele	vant information from them has been tra	nsferred to the compartmen	nt history data set;	and
☐ The Reg	gion's geodatabase has been updated fo	r the area completed in this	operation.	
Position		Signature		Date

Harvesting Plan WBcfi1509 - Compartments 173, 174, Quegobla State Forest, Pilliga Management Area