

**Report on the
2011 VicForests' Coupe Finalisation
Process**

October 2011

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EXECUTIVE SUMMARY

Subject

The VicForests' coupe finalisation process is an annual process where the Department of Sustainability and Environment (DSE or the department) resumes full management of coupes following the completion of harvest, and adequate rehabilitation and regeneration of these coupes.

Method

The *Coupe Finalisation Procedures October 2008* (Procedures) describe the process to assess whether coupes submitted by VicForests meet the rehabilitation and regeneration standards prescribed in the *Code of Practice for Timber Production 2007* (DSE, 2007). These prescribed standards are detailed within the Native Forest Silviculture Guideline (NFSG) series, as amended.

This assessment includes a desktop audit of all coupes and field audits of a sample of coupes.

This report documents the results of the 2010-2011 VicForests' coupe finalisation process.

Coupes to be resumed

The department will resume responsibility for 135 regeneration coupes (2,550 hectares), 38 thinned coupes (932 ha), 69 roadline coupes (54 ha) and 10 coupes (44 ha) burnt by wildfire.

Thinning standards

All but 3 of the 12 thinning coupes field audited by DSE failed to meet at least one of the prescribed regeneration and rehabilitation standards. This failure needs to be resolved by meeting with VicForests to discuss the interpretation of the prescribed thinning standards.

Recommendations

- That DSE resume management of the VicForests regeneration coupes as indicated in Appendix 1.
- That DSE resume management of the VicForests regeneration coupes that were burnt by wildfire as indicated in Appendix 1.
- That DSE remove thinning coupes as indicated in Appendix 1 from the relevant Timber Release Plans.
- That DSE resume management of the roadline coupes as indicated in Appendix 1.
- That DSE brief VicForests on the results of the audit and discuss the interpretation of the prescribed thinning standards.

INTRODUCTION

Purpose

VicForests is a state-owned enterprise responsible for commercial timber production in State forests in eastern Victoria. The *Allocation to VicForests Order 2004 (as amended)* (Allocation Order), made by the Minister for Environment and Climate Change in accordance with section 13 of the *Sustainable Forests (Timber) Act 2004* (the Act) identifies the forest stands where VicForests can conduct timber harvesting activities, specifies the permitted activities and lists the conditions under which they can occur. A condition of the Allocation Order is that VicForests retains management responsibility for all harvested coupes until they are successfully regenerated.

The Department of Sustainability and Environment (DSE or the department) is the manager of State forests and the regulator responsible for ensuring that Victoria's timber harvesting operations and associated activities are undertaken in accordance with the regulatory framework for sustainable forest management. The procedure for determining whether coupes harvested by VicForests meet prescribed standards is outlined in the *Coupe Finalisation Procedures October 2008* (DSE 2008). This report covers the:

- audit and finalisation of coupes harvested by VicForests using even-aged and uneven-aged silvicultural systems
- audit and finalisation (including removal from the Timber Release Plan (TRP)) of coupes thinned by VicForests.

The department will resume management responsibility of coupes from VicForests, following the completion of timber harvesting and successful regeneration.

The purpose of this report is to document the results of auditing VicForests' regenerated and thinned coupes by DSE.

Background

In accordance with Part 5 of the Act, the Allocation Order allocates timber resources in State forests to VicForests for the purposes of harvesting and selling those timber resources. The Allocation Order also permits VicForests to undertake associated management activities (including regeneration operations) in relation to that allocated timber.

In accordance with Section 42 of the Act, upon the publication of a notice of approval of a TRP in the Government Gazette, the property in the timber resources to which an approved TRP applies is vested in VicForests. In accordance with Section 46 of the Act, VicForests must comply with any relevant code of practice relating to timber harvesting. This includes the *Code of Practice for Timber Production 2007* (DSE, 2007), which requires the regeneration of native forest coupes to prescribed standards following timber harvesting operations. These prescribed standards are detailed within the Native Forest Silviculture Guideline (NFSG) series, as amended.

The coupe finalisation process involves a desk-top audit of all coupes and field auditing of a sample of the coupes submitted by VicForests to determine if they meet the prescribed standards. Based on the results of the audit, DSE may:

- 1) Accept all coupes back from VicForests (where no coupes fail the audit)
- 2) Reject only those coupes that fail audits and accept all other coupes (where < two coupes fail audit in a single forest management area (FMA)), or
- 3) Reject all coupes from one (or more) FMA and accept all other coupes (where ≥ 2 or $\geq 10\%$ of coupes fail the audit in a single FMA).

Responsibilities

The *Coupe Finalisation Procedures October 2008* (Procedures) require that:

VicForests

- submit a list of regenerated coupes nominated for finalisation. These are coupes that VicForests believes meet the required standards so that DSE can resume management responsibility for them.

DSE

- undertake an initial desktop audit of all coupes
- select a proportion of coupes as the audit sample
- field audit a specified sample of coupes
- compare the DSE and VicForests results in relation to the minimum standards, and
- resume management responsibility for coupes that pass the audit process.

For thinned coupes, the prescribed standards are set out in the *Native Forest Silviculture Guideline No.13 (DSE 2006)* (NFSG No. 13) and the *Native Forest Silviculture Guideline No.14 (NRE 1997b)* (NFSG No. 14). Thinned coupes must be removed from the relevant TRP in order to return the remaining timber resources to the Crown.

DSE will resume management responsibility for all regenerated coupes that meet the prescribed standards, as set out in the *Native Forest Silviculture Guideline No.10 (NRE 1997a)* (NFSG No. 10).

Regeneration coupes burnt by wildfire after successful regeneration by VicForests (as outlined in the Procedures) must be submitted for finalisation to DSE before management responsibility, in their current condition, will be accepted by DSE.

Roadline coupes that are included in an approved TRP must be submitted for finalisation after all timber has been removed and the road constructed. By definition, no stocking surveys are required.

Roadline coupes, regeneration coupes and regeneration coupes burnt by wildfire are removed from the relevant TRP to make it clear that VicForests agrees to make no further claims to those coupes and that VicForests has met its obligations.

AUDIT PROCESS

Desktop audit process

In accordance with Section 5.2.4 of the Procedures DSE checked all coupes submitted for finalisation for:

- compliance with the minimum stocking standards for regenerated coupes in NFSG No. 10
- compliance with the procedures set out in NFSG No.13 & 14 for thinned coupes
- the number of coupes to be assessed for finalisation
- the number of coupes to be finalised at this stage.

If the documentation did not comply, VicForests was given the opportunity to supply additional information. Roadline coupes and coupes burnt by wildfire after regeneration were accepted back and finalised at this desktop stage, thereby requiring no field auditing.

Field audit process

In accordance with Section 5.2.4 of the Procedures, the documentation supplied by VicForests for each coupe selected for field audit was assessed by DSE to determine:

- the appropriateness of the survey method used
- the completeness of the information recorded
- the accuracy of any calculations made

The number and proportion of audit coupes chosen should comply with Section 5.2.2 of the Procedures. The Procedures outline the audit intensity (for each FMA) as follows:

- where five or fewer coupes are submitted, audit all coupes
- where between five and 50 coupes are submitted, audit five coupes, and
- where more than 50 coupes are submitted, audit a minimum of 10% (to the nearest integer) of coupes.

The number of coupes to be assessed for finalisation and the number of field audits undertaken by the contractor in regeneration coupes is summarised in Table 1.

Table 1. Number of regeneration coupes audited

VicForest region	Forest Management Area (DSE)	No. of coupes	No. audited
East Gippsland	East Gippsland	67	6*
	Tambo	35	4*
Central Highlands	Central	3	3
	North East	0	0
	Benalla	1	1
	Dandenong	9	5
	Central Gippsland	20	5
	Total	135	24

* Road closures inhibited the completion of the number of audits specified in Section 5.2.2 of the Procedures. As none of the 24 coupes audited failed the audit, the report was finalised without the 2 remaining coupe audits.

The number of coupes to be assessed for finalisation and the number of field audits undertaken by the contractor in thinned coupes is summarised in Table 2.

Table 2. Number of thinned coupes audited

VicForest region	Forest Management Area (DSE)	No. of coupes	No. audited
East Gippsland	East Gippsland	25	4*
	Tambo	3	3
Central Highlands	Central	0	0
	North East	0	0
	Benalla	0	0
	Dandenong	0	0
	Central Gippsland	10	5
Total		38	12

* Road closures inhibited the completion of the number of audits specified in Section 5.2.2 of the Procedures. As none of the 12 coupes audited failed the audit, the report was finalised without the remaining coupe audit.

RESULTS

Desktop audit results

Of the 251 (3580 ha) coupes considered by DSE at the desktop stage, 135 were regeneration coupes, 10 were regeneration coupes burnt by wildfire, 38 were thinned coupes and 69 were roadline coupes. All coupes submitted by VicForests are listed in Appendix 1.

All coupes submitted are to be assessed for finalisation. Although a large number of the thinned coupes did not comply with the procedures set out in NFSG Nos. 13 & 14 for thinned coupes, satisfactory explanations such as trial contractors and trial methods were given for the discrepancies.

The following coupes were accepted at the desktop stage (Table 3):

- 10 coupes (44 ha) were burnt by wildfire after successful regeneration. As outlined in the *Coupe Finalisation Procedures October 2008* these coupes will be finalised and DSE will accept future management responsibility of these coupes in their current condition, and
- 69 roadline coupes (54 ha) were not audited as outlined in the Procedures.

Table 3 shows the number and area of coupes that were accepted at the desktop stage.

VicForest region	Forest Management Area	Road line coupes		Burnt coupes		Total	
		Area (ha)	No.	Area (ha)	No.	Area (ha)	No.
East Gippsland	East Gippsland	24	6	18	1	42	7
	Tambo	5	2	9	1	14	3
Central Highlands	Central	17	12	7	1	24	13
	North East	2	44	0	0	2	44
	Benalla	0	0	0	0	0	0
	Dandenong	2	1	0	2	2	3
	Central Gippsland	4	4	10	5	14	9
Total		54	69	44	10	98	79

Field audit results

VicForests' field survey sheets for the coupes chosen for field audit were assessed as; using the appropriate survey method, recording complete information and making accurate calculations.

Regeneration coupes

Of the 135 regeneration coupes eligible for finalisation at the desktop audit stage 135 coupes (2550 ha) met the minimum standard and were accepted for finalisation (Table 4).

Table 4. Regeneration coupes accepted for finalisation at the field audit stage

VicForest region	Forest Management Area	Accepted		Not accepted	
		Area (ha)	No.	Area (ha)	No.
East Gippsland	East Gippsland	1347	67	0	0
	Tambo	612	35	0	0
Central Highlands	Central	33	3	0	0
	North East	0	0	0	0
	Benalla	18	1	0	0
	Dandenong	160	9	0	0
	Central Gippsland	380	20	0	0
Total		2550	135	0	0

Thinned coupes

Of the 38 thinned coupes eligible for finalisation at the desktop audit stage all 38 (932 ha) were accepted for finalisation (Table 5).

Table 5. Thinned coupes accepted for finalisation at the field audit stage

VicForest region	Forest Management Area	Accepted		Not accepted	
		Area (ha)	No.	Area (ha)	No.
East Gippsland	East Gippsland	751	25	0	0
	Tambo	96	3	0	0
Central Highlands	Central	0	0	0	0
	North East	0	0	0	0
	Benalla	0	0	0	0
	Dandenong	0	0	0	0
	Central Gippsland	86	10	0	0
Total		932	38	0	0

These 38 thinned coupes may be removed from the relevant TRPs and will be finalised for acceptance by DSE.

However all bar 3 of the 12 thinning coupes field audited by DSE failed to meet at least one of the prescribed regeneration and rehabilitation standards. This failure needs to be resolved by meeting with VicForests to discuss the interpretation of the prescribed thinning standards.

Desktop and field audit results combined

All of the coupes assessed and accepted for finalisation are summarised in Table 6.

Table 6. The number of all coupes to be accepted by DSE

VicForest region	Forest Management Area (DSE)	Road line coupes	Burnt coupes	Regenerated coupes	Thinned coupes	Total
East Gippsland	East Gippsland	6	1	67	25	99
	Tambo	2	1	35	3	41
Central Highlands	Central	12	1	3	0	16
	North East	44	0	0	0	44
	Benalla	0	0	1	0	1
Central Highlands	Dandenong	1	2	9	0	12
	Central Gippsland	4	5	20	10	39
	Total	69	10	135	38	251

RECOMMENDATIONS

- That DSE resume management of the VicForests regeneration coupes as indicated in Appendix 1.
- That DSE resume management of the VicForests regeneration coupes that were burnt by wildfire as indicated in Appendix 1.
- That DSE remove thinning coupes as indicated in Appendix 1 from the relevant Timber Release Plans.
- That DSE resume management of the roadline coupes as indicted in Appendix 1.
- That DSE brief VicForests on the results of the audit and discuss the interpretation of the prescribed thinning standards.

ACKNOWLEDGEMENTS

- Ecosystems Management Pty Ltd and Forest Solutions Pty Ltd for their involvement with field audits.
- VicForests staff involved in collating the required submissions.

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Department of Sustainability and Environment (DSE) (2008) *Coupe Finalisation Procedures October 2008*. State of Victoria. Department of Sustainability and Environment.

Department of Sustainability and Environment (DSE) (2007) *Code of Practice for Timber Production*. State of Victoria. Department of Sustainability and Environment.

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Department of Natural Resources and Environment (NRE) (1997a) *Eucalypt Stocking Surveys*. Native Forest Silviculture Guideline No.10, State of Victoria. Department of Natural Resources and Environment.

Department of Natural Resources and Environment (NRE) (1997b) *Thinning of Mixed Species Regrowth*. Native Forest Silviculture Guideline No.14, State of Victoria. Department of Natural Resources and Environment.

APPENDIX 1

Table 7. Regeneration coupes submitted in 2010-2011 with finalisation status

VicForest Region	Forest Management Area	Coupe Address	Area (ha)	Silvicultural system	Date of establishment	Stocking (%)	Survey intensity	Are there any >1 ha unstocked (Y/N)	Are all species present post harvest (Y/N)	Browsing intensity	DSE to resume	Coupe audited
Central Highlands	Benalla-Mansfield	399-504-0002	18.0	CFE	Jun-07	67.7	Standard	No	Yes	Low	Y	Y
Central Highlands	Central	297-838-0006	12.1	CFE	Jun-08	82.3	Standard	No	Yes	Low	Y	Y
Central Highlands	Central	298-850-0005	11.5	CFE	Jun-06	85.5	Standard	No	Yes	Low	Y	Y
Central Highlands	Central	312-009-0009	9.5	CFE	Jun-07	80.4	Standard	No	Yes	Low	Y	Y
Central Highlands	Central Gippsland	458-502-0013	24.6	CFE	Apr-08	81.9	Standard	No	Yes	Low	Y	
Central Highlands	Central Gippsland	458-506-0002	24.9	CFE	Jun-08	73.9	Standard	No	Yes	Low	Y	
Central Highlands	Central Gippsland	459-501-0012	21.3	CFE	Apr-07	82.8	Standard	No	Yes	Low	Y	
Central Highlands	Central Gippsland	460-509-0007	12.9	STR	Apr-08	89.7	Standard	No	Yes	Low	Y	
Central Highlands	Central Gippsland	460-510-0026	18.2	CFE	Apr-08	90.0	Standard	No	Yes	Low	Y	
Central Highlands	Central Gippsland	460-511-0006	31.1	CFE	Apr-08	94.7	Standard	No	Yes	Low	Y	Y
Central Highlands	Central Gippsland	462-506-0012	25.7	CFE	Jun-08	86.0	Standard	No	Yes	Low	Y	
Central Highlands	Central Gippsland	464-507-0018	4.4	CFE	Mar-05	84.0	Standard	No	Yes	Low	Y	
Central Highlands	Central Gippsland	479-504-0016	7.8	STR	Dec-06	88.2	Standard	No	Yes	Low	Y	
Central Highlands	Central Gippsland	479-505-0012	16.9	CFS	Dec-06	72.5	Standard	No	Yes	Low	Y	Y
Central Highlands	Central Gippsland	480-508-0005	17.5	CFE	Apr-05	62.1	Intensive	No	Yes	Low	Y	
Central Highlands	Central Gippsland	480-509-0002	12.9	CFE	Apr-07	73.6	Intensive	No	Yes	Low	Y	
Central Highlands	Central Gippsland	481-503-0004	1.4	CFE	Jul-07	77.0	Standard	No	Yes	Low	Y	
Central Highlands	Central Gippsland	481-503-0010	14.7	CFE	Jul-07	77.0	Standard	No	Yes	Low	Y	
Central Highlands	Central Gippsland	483-505-0016	10.8	CFE	May-05	69.3	Standard	No	Yes	Low	Y	
Central Highlands	Central Gippsland	484-501-0022	35.5	CFS	Apr-08	76.6	Standard	No	Yes	Low	Y	Y
Central Highlands	Central Gippsland	484-501-0038	24.5	STR	May-06	81.8	Standard	No	Yes	Low	Y	
Central Highlands	Central Gippsland	484-501-0044	22.9	STR	Apr-06	68.4	Standard	No	Yes	Low	Y	Y
Central Highlands	Central Gippsland	490-502-0003	22.0	CFS	Jan-06	77.4	Standard	No	Yes	Low	Y	
Central Highlands	Central Gippsland	490-502-0006	29.8	CFE	Jan-06	81.3	Standard	No	Yes	Low	Y	Y

Central Highlands	Dandenong	344-505-0002	10.7	CFE	Apr-07	83.1	Standard	No	Yes	Low	Y	Y
Central Highlands	Dandenong	344-515-0003	8.3	CFE	Jun-08	65.4	Intensive	No	Yes	Low	Y	
Central Highlands	Dandenong	347-505-0005	20.6	CFE	Aug-08	87.8	Standard	No	Yes	Low	Y	Y
Central Highlands	Dandenong	347-515-0006	22.0	CFE	Jun-08	95.6	Standard	No	Yes	Low	Y	Y
Central Highlands	Dandenong	348-536-0010	14.9	CFE	Jun-08	93.6	Standard	No	Yes	Low	Y	
Central Highlands	Dandenong	349-501-0007	20.1	STR	Jun-08	85.8	Standard	No	Yes	Medium	Y	Y
Central Highlands	Dandenong	349-502-0006	33.6	CFE	Apr-07	98.0	Standard	No	Yes	Low	Y	
Central Highlands	Dandenong	349-502-0010	20.5	CFE	Jun-08	88.9	Standard	No	Yes	Low	Y	Y
Central Highlands	Dandenong	349-511-0006	9.3	CFE	Jun-08	69.7	Standard	No	Yes	Medium	Y	
East Gippsland	East Gippsland	801-504-0011	33.0	STR	Feb-08	72.5	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	803-506-0017	38.8	STR	Oct-05	78.0	Extensive	No	Yes	None	Y	
East Gippsland	East Gippsland	803-506-0021	4.5	STR	Mar-07	63.2	Intensive	No	Yes	None	Y	
East Gippsland	East Gippsland	807-502-0012	26.1	STR	Oct-04	81.0	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	814-502-0006	37.4	STR	Jul-08	95.0	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	815-514-0001	24.6	STR	Apr-07	65.9	Standard	No	Yes	Low	Y	
East Gippsland	East Gippsland	816-509-0009	7.3	STR	Jul-05	86.7	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	817-506-0004	46.5	CFE	Jul-05	83.3	Standard	No	Yes	Low	Y	
East Gippsland	East Gippsland	824-508-0003	19.5	STR	Jul-08	82.0	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	824-508-0004	21.2	STR	Jul-09	65.0	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	824-508-0005	13.3	STR	Jul-09	65.0	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	827-510-0021	20.7	STR	Jun-07	82.6	Standard	No	Yes	Low	Y	
East Gippsland	East Gippsland	828-505-0001	17.8	STR	May-08	69.9	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	829-516-0003	9.2	STR	Jun-06	96.0	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	832-508-0010	22.0	THA & STR	Oct-05	87.0	Intensive	No	Yes	None	Y	
East Gippsland	East Gippsland	833-502-0006	33.9	CFS	Apr-07	83.1	Standard	No	Yes	None	Y	Y
East Gippsland	East Gippsland	833-503-0007	54.2	CFS	Jun-07	93.6	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	833-510-0010	30.2	STR	Aug-08	85.3	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	833-510-0016	5.7	STR	Aug-04	97.0	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	833-515-0013	56.5	STR & THA	May-07	91.0	Standard	No	Yes	None	Y	Y
East Gippsland	East Gippsland	836-508-0004	10.1	STR	Aug-04	89.0	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	836-514-0003	12.4	STR	Apr-08	83.1	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	842-518-0030	3.8	STR	Aug-08	58.3	Intensive	No	Yes	None	Y	
East Gippsland	East Gippsland	843-507-0018	15.8	STR	Apr-08	83.7	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	845-507-0002	28.2	STR	Mar-08	81.7	Standard	No	Yes	None	Y	

East Gippsland	East Gippsland	845-508-0004	13.8	STR	Jun-07	71.1	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	849-501-0013	32.1	STR	Oct-07	79.0	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	853-506-0014	5.0	STR	May-07	86.8	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	853-506-0017	14.8	STR	May-08	91.8	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	853-507-0011	23.8	STR	May-08	95.1	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	853-507-0013	16.6	STR	Oct-07	96.4	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	853-508-0014	20.7	STR	May-08	89.5	Standard	No	Yes	None	Y	Y
East Gippsland	East Gippsland	853-508-0026	15.6	STR	May-08	84.0	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	864-506-0004	4.1	STR	May-05	79.5	Intensive	No	Yes	None	Y	
East Gippsland	East Gippsland	864-506-0006	8.2	STR	May-05	78.0	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	864-508-0011	11.4	STR	Mar-08	92.8	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	864-508-0015	16.1	STR	Mar-08	86.4	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	866-507-0003	32.4	STR	Sep-08	71.4	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	866-508-0005	32.6	STR	May-06	90.0	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	866-510-0010	17.5	STR	Sep-07	81.0	Extensive	No	Yes	None	Y	
East Gippsland	East Gippsland	867-505-0006	24.4	STR	Jul-08	77.6	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	867-506-0013	8.2	STR	Apr-07	87.0	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	867-509-0008	11.3	STR	Apr-07	93.2	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	868-502-0013	10.1	STR	Apr-08	89.4	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	868-507-0011	33.0	STR	Apr-08	88.4	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	871-505-0009	23.0	STR	Oct-07	70.6	Standard	No	Yes	None	Y	Y
East Gippsland	East Gippsland	871-506-0004	33.9	STR	Jun-07	74.1	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	873-511-0009	27.3	STR	May-08	96.7	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	874-506-0009	11.7	STR	Nov-06	74.2	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	874-506-0012	15.1	STR	May-07	69.6	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	875-501-0004	26.5	STR	Apr-08	94.0	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	883-504-0007	16.2	STR	Mar-08	79.1	Standard	No	Yes	None	Y	Y
East Gippsland	East Gippsland	885-504-0010	6.8	STR	Mar-08	95.6	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	886-501-0017	16.8	STR	Aug-05	81.1	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	886-502-0006	15.9	STR	Aug-06	67.1	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	886-502-0007	21.0	STR	Aug-08	70.3	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	886-502-0008	7.6	STR	Aug-07	78.7	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	886-503-0010	21.4	STR	Aug-08	76.2	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	886-504-0017	23.8	STR	Aug-08	74.3	Standard	No	Yes	None	Y	

East Gippsland	East Gippsland	890-507-0005	22.8	STR	Aug-08	90.1	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	891-514-0015	12.5	STR	Aug-08	78.9	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	891-515-0009	17.0	STR	Jun-07	70.9	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	891-516-0011	28.6	STR	Jun-07	75.0	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	892-517-0005	19.5	STR	Jun-07	71.7	Standard	No	Yes	None	Y	Y
East Gippsland	East Gippsland	892-522-0012	8.1	STR	Aug-08	83.3	Standard	No	Yes	None	Y	
East Gippsland	East Gippsland	892-522-0014	6.4	STR	Aug-08	85.0	Standard	No	Yes	Low	Y	
East Gippsland	East Gippsland	894-502-0008	21.1	STR	Jun-07	80.0	Standard	No	Yes	None	Y	
East Gippsland	Tambo	726-502-0009	14.2	CFS	Jul-08	73.9	Standard	No	Yes	None	Y	Y
East Gippsland	Tambo	726-502-0012	21.0	CFS	Jul-08	79.4	Standard	No	Yes	None	Y	
East Gippsland	Tambo	726-502-0014	5.0	CFS	Jul-08	70.0	Standard	No	Yes	None	Y	
East Gippsland	Tambo	726-504-0008	15.4	CFS	Jul-08	76.1	Standard	No	Yes	None	Y	
East Gippsland	Tambo	731-502-0004	15.3	CFS	Aug-08	81.3	Standard	No	Yes	None	Y	
East Gippsland	Tambo	731-512-0001	37.7	CFS	Jun-08	72.6	Standard	No	Yes	None	Y	
East Gippsland	Tambo	735-509-0011	32.9	STR	Oct-08	68.0	Standard	No	Yes	None	Y	Y
East Gippsland	Tambo	735-509-0012	37.7	STR	Dec-08	77.5	Standard	No	Yes	None	Y	
East Gippsland	Tambo	736-501-0004	17.9	STR	Aug-08	88.7	Standard	No	Yes	None	Y	
East Gippsland	Tambo	736-506-0008	19.0	CFE	Aug-08	88.9	Standard	No	Yes	None	Y	
East Gippsland	Tambo	736-506-0009	15.8	STR	Jun-06	84.0	Standard	No	Yes	None	Y	
East Gippsland	Tambo	763-506-0004	11.1	CFE	Jul-08	85.0	Standard	No	Yes	None	Y	
East Gippsland	Tambo	763-515-0001	14.9	CFE	Jul-08	77.0	Standard	No	Yes	None	Y	
East Gippsland	Tambo	763-515-0002	21.1	CFE	Jul-08	75.5	Intensive	No	Yes	Low	Y	
East Gippsland	Tambo	764-504-0001	12.2	CFE	May-05	80.0	Intensive	No	Yes	None	Y	
East Gippsland	Tambo	765-508-0022	8.2	CFE	Jul-08	82.6	Standard	No	Yes	None	Y	
East Gippsland	Tambo	766-502-0027	25.8	CFE	May-08	76.2	Standard	No	Yes	None	Y	
East Gippsland	Tambo	766-503-0010	19.8	STR	Jun-08	78.0	Standard	No	Yes	Low	Y	
East Gippsland	Tambo	766-507-0004	11.5	CFE	Jul-08	87.5	Standard	No	Yes	None	Y	
East Gippsland	Tambo	767-502-0009	1.7	CFE	Jun-08	91.0	Standard	No	Yes	None	Y	
East Gippsland	Tambo	767-504-0012	8.7	CFE	Apr-08	76.3	Standard	No	Yes	None	Y	
East Gippsland	Tambo	767-506-0002	11.0	CFE	Jan-08	68.5	Intensive	No	Yes	None	Y	
East Gippsland	Tambo	771-505-0004	19.6	STR	Jul-08	76.9	Standard	No	Yes	None	Y	
East Gippsland	Tambo	771-505-0006	28.6	CFE	Jul-08	73.8	Standard	No	Yes	Medium	Y	
East Gippsland	Tambo	771-507-0008	17.3	CFE	Jul-08	89.5	Standard	No	Yes	Low	Y	
East Gippsland	Tambo	771-507-0009	4.8	CFE	Jul-08	86.7	Intensive	No	Yes	None	Y	

East Gippsland	Tambo	773-501-0002	23.2	CFE	May-05	65.7	Intensive	No	Yes	None	Y	
East Gippsland	Tambo	773-501-0003	22.2	CFE	May-06	73.6	Intensive	No	Yes	None	Y	
East Gippsland	Tambo	773-501-0012	16.5	CFE	Jul-08	66.2	Standard	No	Yes	Low	Y	
East Gippsland	Tambo	773-501-0013	15.6	CFE	Jul-08	81.6	Standard	No	Yes	None	Y	Y
East Gippsland	Tambo	774-503-0010	27.1	CFE	Jul-08	73.5	Standard	No	Yes	None	Y	
East Gippsland	Tambo	774-503-0011	18.2	STR	Jul-08	74.0	Standard	No	Yes	None	Y	
East Gippsland	Tambo	776-505-0013	12.4	STR	Aug-07	75.8	Standard	No	Yes	None	Y	
East Gippsland	Tambo	777-501-0015	16.0	STR	May-05	75.5	Standard	No	Yes	None	Y	Y
East Gippsland	Tambo	777-501-0019	12.3	STR	Apr-07	67.4	Standard	No	Yes	None	Y	

Note: The stocking standard often refers to the last survey for a small part of a coupe only, not an average of the whole coupe.

Table 8. Regeneration coupes burnt by wildfire submitted in 2010-2011 with finalisation status

VicForest Region	Forest Management Area	Coupe Address	Area (ha)	Silvicultural system	Date of establishment	Stocking (%)	Survey intensity	Are there any >1 ha unstocked (Y/N)	Are all species present post harvest (Y/N)	Browsing intensity	DSE to resume	Coupe audited
Central Highlands	Central	301-059-0003	7.5	CFE	Aug-07	NA	Fire Affected	NA	NA	NA	Y	N
Central Highlands	Central Gippsland	487-502-0011	1.2	THB	*Oct-10	NA	Fire Affected	NA	NA	NA	Y	N
Central Highlands	Central Gippsland	487-502-0017	2.7	THB	*Oct-10	NA	Fire Affected	NA	NA	NA	Y	N
Central Highlands	Central Gippsland	490-509-0001	5.1	CFE	*Oct-10	NA	Fire Affected	NA	NA	NA	Y	N
Central Highlands	Central Gippsland	494-501-0004	n/a	CFS	Jul-07	NA	Fire Affected	NA	NA	NA	Y	N
Central Highlands	Central Gippsland	494-502-0004	0.8	THB	*Oct-10	NA	Fire Affected	NA	NA	NA	Y	N
Central Highlands	Dandenong	343-527-0003	n/a	CFE	Jun-09	NA	Fire Affected	NA	NA	NA	Y	N
Central Highlands	Dandenong	343-528-0003	n/a	CFE	Jun-09	NA	Fire Affected	NA	NA	NA	Y	N
East Gippsland	East Gippsland	866-512-0013	18.4	STR	Oct-07	81.0	Standard	No	Yes	None	Y	N
East Gippsland	Tambo	764-503-0009	8.8	CFE	May-05	76.1	Intensive	No	Yes	None	Y	N

*date of burn not establishment

Table 9. Thinned coupes submitted in 2010-2011

VicForest Region	Forest Management Area	Coupe number	Area (ha)	Silvicultural system	Pre-thinning basal area (m2/ha)	Target basal area (m2/ha)	Post-thinning basal area (m2/ha)	Outrow (m)	Bay width (m)	Damage (%)	DSE to resume	Coupe audited
Central Highlands	Central Gippsland	486-502-0001	0.1	TSI	40	23	23.7	12.0	4.5	36	Y	
Central Highlands	Central Gippsland	486-502-0014	6.0	TSI	57	25	23.6	4.5	12.0	14	Y	
Central Highlands	Central Gippsland	486-502-0015	16.4	TSI	48	25	22.0	4.5	4.5	56	Y	Y
Central Highlands	Central Gippsland	*486-502-0016	11.4	TSI	0	0	17.0	0.0	0.0	7.4	Y	Y
Central Highlands	Central Gippsland	486-502-0017	0.2	TSI	46	23	30.0	4.0	12.0	13	Y	
Central Highlands	Central Gippsland	487-502-0010	14.5	THB	44	22	22.0	4.4	14.5	4	Y	Y
Central Highlands	Central Gippsland	490-510-0012	13.9	TSI	50	25	24.0	4.5	12.0	8	Y	Y
Central Highlands	Central Gippsland	490-510-0019	10.7	TSI	45	21.5	22.5	4.5	12.0	0	Y	Y
Central Highlands	Central Gippsland	490-510-0020	3.1	TSI	70	23	22.5	4.5	12.0	0	Y	
Central Highlands	Central Gippsland	490-516-0012	9.4	THB	63	31	33.0	4.3	12.9	8	Y	
East Gippsland	East Gippsland	801-504-0014	103.7	THB	43	21	23.7	4.0	14.1	3	Y	
East Gippsland	East Gippsland	801-505-0001	91.0	THB	40	20	22.5	4.0	15.5	1	Y	
East Gippsland	East Gippsland	801-505-0006	45.8	THB	44	21	21.1	4.0	13.5	5	Y	
East Gippsland	East Gippsland	801-507-0002	55.9	THB	50	25	25.3	4.3	15.7	5	Y	
East Gippsland	East Gippsland	803-501-0004	49.4	THB	42	21	23.3	4.1	14.9	9	Y	Y
East Gippsland	East Gippsland	803-501-0005	57.5	THB	40	20	19.4	4.2	14.2	4	Y	
East Gippsland	East Gippsland	803-505-0002	21.4	THB	40	20	21.2	4.2	14.3	3	Y	
East Gippsland	East Gippsland	815-515-0006	38.2	THB	46	24	23.6	4.1	13.7	9	Y	
East Gippsland	East Gippsland	830-502-0012	19.0	THB	53	25	33.9	4.2	13.7	14	Y	
East Gippsland	East Gippsland	830-502-0013	8.0	THB	44	23	32.3	4.5	11.6	22	Y	
East Gippsland	East Gippsland	830-511-0009	19.3	THB	40	21	28.0	4.4	15.2	15	Y	
East Gippsland	East Gippsland	830-511-0014	2.5	THB	50	25	23.5	3.5	11.7	58	Y	

East Gippsland	East Gippsland	830-512-0010	2.9	THB	29	14	27.5	4.6	12.8	7	Y	
East Gippsland	East Gippsland	832-501-0011	10.8	THB	40	20	28.1	4.1	13.7	9	Y	
East Gippsland	East Gippsland	832-501-0014	8.1	THB	51	26	31.3	4.2	14.4	6	Y	
East Gippsland	East Gippsland	833-502-0015	45.8	THB	56	23	24.6	4.1	13.0	3	Y	
East Gippsland	East Gippsland	835-508-0002	55.1	THB	46	23	21.0	4.2	14.6	4	Y	
East Gippsland	East Gippsland	842-508-0018	19.8	THB	47	22	21.0	4.0	9.6	15	Y	Y
East Gippsland	East Gippsland	842-520-0016	16.5	THB	41	21	28.0	3.8	12.5	18	Y	
East Gippsland	East Gippsland	842-520-0018	8.0	THB	40	21	21.2	4.1	13.9	10	Y	
East Gippsland	East Gippsland	842-520-0019	12.9	THB	40	21	31.0	4.2	12.4	38	Y	Y
East Gippsland	East Gippsland	846-504-0015	18.7	THB	43	21	21.6	4.6	10.0	17	Y	
East Gippsland	East Gippsland	874-510-0021	30.6	THB	47	24	23.8	4.4	13.0	17	Y	Y
East Gippsland	East Gippsland	891-507-0003	6.3	THB	48	21	22.0	4.5	9.7	15	Y	
East Gippsland	East Gippsland	892-508-0003	3.6	THB	61	30	44.0	4.2	22.0	0	Y	
East Gippsland	Tambo	765-501-0005	21.4	THB	55	24	27.8	4.2	14.5	12	Y	Y
East Gippsland	Tambo	765-502-0103	25.3	THB	48	24	26.6	4.5	12.7	14	Y	Y
East Gippsland	Tambo	765-510-0012	48.9	THB	61	23	26.8	4.0	13.1	5	Y	Y

* coupe too dangerous to enter at time of VicForests assessment. Damage and BA figures supplied by DSE audit.

Silviculture types

CFE	clearfall	STS	single tree selection
CFS	clearfall salvage	THA	thinning from above
GST	group or gap selection	THB	thinning from below
STR	seed tree (includes retained overwood)	UNE	uneven aged harvesting
SH1	shelterwood 1	RDI	road alignment - improvement
SH2	shelterwood 2	RDC	road alignment - construction
TSI	timber stand improvement	RCA	coupe access road

Table 10. Roadline coupes submitted in 2010-2011

VicForests region	Forest Management Area	Coupe address	Area (ha)	DSE to resume
Central Highlands	Central	298-877-0007	3.3	Y
Central Highlands	Central	299-973-0023	3.3	Y
Central Highlands	Central	313-001-0003	2.4	Y
Central Highlands	Central	287-514-0006	0.0	Y
Central Highlands	Central	309-007-0004	1.0	Y
Central Highlands	Central	309-009-0005	0.4	Y
Central Highlands	Central	318-508-0012	1.0	Y
Central Highlands	Central	320-503-0012	2.7	Y
Central Highlands	Central	289-005-0002	1.3	Y
Central Highlands	Central	298-513-0001	0.0	Y
Central Highlands	Central	318-512-0003	1.4	Y
Central Highlands	Central	320-503-0013	0.0	Y
Central Highlands	Central Gippsland	462-503-0000	0.4	Y
Central Highlands	Central Gippsland	480-508-0000	0.6	Y
Central Highlands	Central Gippsland	486-502-0020	0.4	Y
Central Highlands	Central Gippsland	486-502-0000	2.9	Y
Central Highlands	Dandenong	348-532-0007	2.0	Y
Central Highlands	North East	632-509-0010	0.0	Y
Central Highlands	North East	632-509-0011	0.0	Y
Central Highlands	North East	632-513-0006	0.0	Y
Central Highlands	North East	632-513-0007	0.0	Y
Central Highlands	North East	635-508-0005	0.0	Y
Central Highlands	North East	635-508-0006	0.0	Y
Central Highlands	North East	635-508-0007	0.0	Y
Central Highlands	North East	646-505-0006	0.0	Y
Central Highlands	North East	647-505-0008	0.0	Y
Central Highlands	North East	647-506-0006	0.0	Y
Central Highlands	North East	647-506-0007	0.0	Y
Central Highlands	North East	647-509-0009	0.0	Y
Central Highlands	North East	676-534-0001	0.0	Y
Central Highlands	North East	684-502-0002	0.0	Y
Central Highlands	North East	684-507-0002	1.8	Y
Central Highlands	North East	686-510-0016	0.0	Y
Central Highlands	North East	686-510-0017	0.0	Y
Central Highlands	North East	687-508-0001	0.0	Y
Central Highlands	North East	700-509-0003	0.0	Y
Central Highlands	North East	700-512-0002	0.0	Y
Central Highlands	North East	632-511-0011	0.0	Y
Central Highlands	North East	676-502-0002	0.0	Y
Central Highlands	North East	676-511-0004	0.0	Y
Central Highlands	North East	676-511-0007	0.0	Y
Central Highlands	North East	676-535-0002	0.0	Y
Central Highlands	North East	697-500-0003	0.0	Y
Central Highlands	North East	697-510-0005	0.0	Y
Central Highlands	North East	697-510-0009	0.0	Y
Central Highlands	North East	698-523-0003	0.0	Y
Central Highlands	North East	699-514-0005	0.0	Y
Central Highlands	North East	700-509-0003	0.0	Y
Central Highlands	North East	700-519-0003	0.0	Y

Central Highlands	North East	635-508-0009	0.0	Y
Central Highlands	North East	646-501-0003	0.0	Y
Central Highlands	North East	646-501-0004	0.0	Y
Central Highlands	North East	647-509-0008	0.0	Y
Central Highlands	North East	668-505-0005	0.0	Y
Central Highlands	North East	676-526-0001	0.0	Y
Central Highlands	North East	685-502-0010	0.0	Y
Central Highlands	North East	695-525-0001	0.0	Y
Central Highlands	North East	697-509-0001	0.0	Y
Central Highlands	North East	697-510-0002	0.0	Y
Central Highlands	North East	699-520-0005	0.0	Y
Central Highlands	North East	700-519-0001	0.0	Y
East Gippsland	East Gippsland	827-515-0011	9.6	Y
East Gippsland	East Gippsland	842-516-0015	3.8	Y
East Gippsland	East Gippsland	842-517-0030	4.3	Y
East Gippsland	East Gippsland	853-507-0004	1.8	Y
East Gippsland	East Gippsland	864-503-0002	1.2	Y
East Gippsland	East Gippsland	890-504-0012	3.3	Y
East Gippsland	Tambo	742-507-0002	1.7	Y
East Gippsland	Tambo	760-506-0009	3.1	Y