



Forest Operations Coupe Plan

for

Harvest Unit 312-512-0012-A - Zumba

Marysville

312 - Torbreck River

Location of coupe centroid

Easting/Northing: (GDA-94)	404401/5845261 Zone 55
VicGrid	2581123/2440276
Latitude/Longitude:	37° 32' 5" S/145° 55' 5" E

This Forest Operations Coupe Plan consists of the following five sections:

- Section 1 - Coupe Description
- Section 2 - Contractor Direction
- Section 3 - Occupational Health and Safety
- Section 4 - Coupe Management Actions
- Section 5 - Harvesting Commencement and Completion Declarations

Plan Preparation and Endorsement

Prepared By	Signed	Date
Peer Reviewed By	Signed	Date
Endorsed By	Signed	Date

End of Forest Operations Coupe Plan Front Page



Harvest Unit 312-512-0012-A - Zumba
FOREST OPERATIONS COUPE PLAN - SECTION 1
 Contractor Section - Coupe Description

Descriptive Information		(also see Part 2: Coupe Map - Operation and Context)		
Forest type	Mountain mixed species			
Area of TRP Boundary	28.6			
Area of Harvest Unit (operational area)	4.4			
Regional Forest Agreement	CENTRAL HIGHLANDS			
Forest Management Area	Central			
General aspect	South-westerly			
Elevation	800 meters			
Slope	Minimum 5°; Average 20°; Maximum 25°			
Proportion of the nett coupe area > 20°	71-100 %			
		Horizon A	Horizon B	Horizon C
Soil Erosion Classification		<i>Medium</i>	<i>Medium</i>	<i>Medium</i>
Soil Permeability Classification		<i>High</i>	<i>High</i>	-
Overall Soil Category		<i>Low</i>	<i>Low</i>	-
Rock cover exceeds 30% of nett area	No			

Estimated species and volumes			
Product	Grade	Volume	
Messmate	B	6 m ³	
Messmate	C	335 m ³	
Messmate	D	335 m ³	
Messmate	E	45 m ³	
Messmate	H	1279 m ³	

End of Forest Operations Coupe Plan Section 1



Harvest Unit 312-512-0012-A - Zumba
FOREST OPERATIONS COUPE PLAN - SECTION 2
 Contractor Section - Contractor Direction

Personnel	
VF Officer	
Contractor	
Operational Issues	
Silvicultural Intent	Adaptive Silvicultural Systems
Silviculture system(s)	Variable retention 2, Variable retention 1
Recommended harvesting period	Shoulder of 2020-2021
Description of the coupe boundaries and method used to locate boundary in the field	Northern boundary is TRP boundary with Messmate Ridge Eastern boundary is slope exclusion Southern boundary is slope exclusion Western boundary is LBP Colony buffer North Western boundary is a dry depression with a 10m filter buffer applied GPS, hipchain & range finder were used to mark the coupe. Harvest boundary is marked in blue flagging tape and will be displayed on the contractors tablet within the harvesting machine.
Operational constraints	
Social Issues	
Identified social issues	
Coupe Access	
Proposed Access	Coupe access will occur via Messmate Ridge Road.
Proposed driveway length to construct	0
Proposed in-coupe road length to construct	0
Proposed in-coupe roading requirements	Landing will be located within coupe 'Messmate Rdige'
Proposed number of stream crossings	0
Proposed number of landings	0



Harvest Unit 312-512-0012-A - Zumba
FOREST OPERATIONS COUPE PLAN - SECTION 2
 Contractor Section - Contractor Direction

Environmental and operational specification Standard		
All operations to be conducted in accordance with the Code of Practice for Timber Production 2014 and VicForests Utilisation Procedures except where additional specifications or variations are specified below. Where there is no comment (ie the column is blank), it should be read ' <i>No variation to the standard procedure</i> '.		
Environmental & Operational Elements		Variations, amendments or additional instructions
Utilisation Procedures Section		
Planned silvicultural system and requirements		
	Planned silvicultural system and requirements	<p>Post harvesting a Eucalypt Stock Survey (ESS) may be conducted across the site to determine the amount of regeneration from natural seed fall and stump coppice. This will indicate if site preparation is required in any parts of the coupe.</p> <p>If site preparation is required, it is proposed that a regeneration burn is undertaken across the required area of the site to produce a receptive seedbed. Where the regeneration burn is undertaken retained seed and habitat trees will have harvesting debris cleared from around the bole to a distance of 3m. A modified burn strategy will be utilised to avoid excessive scorch on the retained values across the site.</p> <p>This regeneration strategy may be subject to change due to unforeseen factors, such as risk of burning retained coupe values or site conditions being too wet. Alternatively, mechanical disturbance followed by aerial sowing may be used.</p>
Additional specifications, requirements or instructions		
	Additional specifications, requirements or instructions	
5. Coupe boundaries		
5.1	Marking a coupe	
5.2	Construction of boundary trails	
5.3	Location of Boundary Trails	
5.4	Converting boundary trail to fire trail	
6. Excluded areas		



Harvest Unit 312-512-0012-A - Zumba
FOREST OPERATIONS COUPE PLAN - SECTION 2
 Contractor Section - Contractor Direction

6.1	Activities in excluded areas	
7.	Harvest requirements	
7.1	Retained Trees	Type 1 trees have been identified and will be retained where safe to do so. Each Type 1 will have one (1) recruitment tree retained adjacent in the Variable Two section, preferably Type 2 or Type 3. In the Variable One section, each Type 1 will have two (2) recruitment tree retained adjacent, preferably Type 2 or Type 3.
7.2	Large Tree Protection	Large tree identified within harvest boundary will be protected within a retention island.
7.3	Trees to be felled	Safety underpins all harvesting operations. If a tree is deemed to be unsafe it may be removed once permission has been granted by the supervising forester after inspection.
7.4	Stump heights	
7.6	Coupe utilisation requirements	
9.	Thinning requirements	
9.2	Trees to be retained	
9.3	Thinning method	
9.4	Damage	
10.	Extraction tracks within coupes	
10.1	Location of Extraction Tracks	
10.2	Blading-off	
10.3	Drainage and rehabilitation	
10.4	Snigging on roads	
10.5	Stream crossings	
12.	Landings	
12.1	Location of landings	Access to the coupe will be via a reinstated 175 metre section of road footprint through the Leadbeater's Possum 'LBP' colony '2019-174' as stated in the MSP 'MSPCT002'. Conditions to be met, required works and actions to be implemented are listed in the twelve points in the MSP mentioned above.
12.2	Construction and maintenance of landings	



Harvest Unit 312-512-0012-A - Zumba
FOREST OPERATIONS COUPE PLAN - SECTION 2
 Contractor Section - Contractor Direction

12.5	Bark disposal	
12.7	Rehabilitation	
13.	Road and construction maintenance	
13.2	Location, design and period of construction	
13.4	Grade	
13.5	Clearing	
13.6	Earthworks	
13.7	Drainage	
13.8	Maintenance	
13.9	Stream and drainage line crossings	
13.11	Closure and rehabilitation of roads	
13.13	Removal and rehabilitation of bridges, crossings and culverts	
14.	Quarries, borrow pits and fill disposal areas	
14.0	Quarries, borrow pits and fill disposal areas	
15.	Preparation, measurement, grading and extraction of logs	
15.2	Log preparation	
21.	Carting logs	
21.1	Carting logs - general obligations of the driver	
23.	Weather restrictions	
23.0	Weather restrictions	
26.	Sorting and using fuel and servicing machinery	
26.1	Fuel location	



Harvest Unit 312-512-0012-A - Zumba
FOREST OPERATIONS COUPE PLAN - SECTION 2
 Contractor Section - Contractor Direction

26.2	Fuel precautions	
27.	Camp sites, waste disposal and forest hygiene	
27.1	Camp sites	
27.3	Water points	
27.4	Forests hygiene (weeds, pests and disease)	
27.5	Field Washdown/Cleaning Procedure for Machinery	
All other action will be conducted as per the Utilisation Procedures, unless outlined in the Coupe Diary by a VicForests Officer.		

Habitat Retention Plan	
Habitat Description and Marking	<p>Adapting to pre-harvest survey information, plot data and other values, the coupes will be harvested under the silviculture systems Variable Retention 1 (VR1) & Variable Retention 2 (VR2). Harvest contractors will be briefed on identification of HBTs and HCVs, as well as the retention strategy objective for this coupe.</p> <p>Variable Retention One (0.99ha) Seed trees will be retained at a minimum density of 9 trees per ha (33m spacings). Type 1 trees have been identified and will be retained where safe to do so. Each Type 1 will have two (2) recruitment trees retained adjacent, preferably Type 2 or Type 3. Suppressed regrowth and younger trees that are unmerchantable due to size will also be left where possible for recruitment. Islands will be retained throughout both coupes, the locations of these islands will be chosen by the contractor relative to the habitat components featured throughout the harvest areas, surrounding forest and pre harvest survey species observations.</p> <p>Variable Retention Two (3.37ha) Seed trees will be retained at a minimum density of 9 trees per ha (33m spacings). Type 1 trees have been identified and will be retained where safe to do so. Each Type 1 will have one recruitment tree retained adjacent, preferably Type 2 or Type 3. Suppressed regrowth and younger trees that are unmerchantable due to size will also be left where possible for recruitment. Islands will be retained throughout both coupes, the locations of these islands will be chosen by the contractor relative to the habitat components featured throughout the harvest areas, surrounding forest and pre harvest survey species observations.</p>



Harvest Unit 312-512-0012-A - Zumba
FOREST OPERATIONS COUPE PLAN - SECTION 2
Contractor Section - Contractor Direction

Habitat trees will be retained...	Scenario
. Outside the harvesting tapes, but within the 'gross coupe boundary'	Yes
. As individual trees along the edge, outside the harvested area	Yes
. As individual trees, scattered throughout the coupes	Yes
. In patch(es)/clump(s) within the harvested area	Yes
. To serve as seed trees also	Yes
. Other requirements	No
Other requirements	

* See variation page for marking procedure.

End of Forest Operations Coupe Plan Section 2



Harvest Unit 312-512-0012-A - Zumba
FOREST OPERATIONS COUPE PLAN - SECTION 3
Contractor Section - Coupe Occupational Health and Safety

Hazard Type	Comments on the identified hazard where the hazard exceeds that normally expected	Hazard adequately addressed within Contractor's Safety Management System?
Was a field-based hazard assessment done?	Yes / No	
Arial Hazard		
Stags	[None]	
Other aerial hazards	[None]	
Percentage of tress containing a high proportion of dead limbs (i.e. mature-age, psyllid, drought or fire affected)	20 % if > 50% handfall not allowed as main harvest method.	
Percentage of the trees having mature interlocked crowns	5 % if > 50% handfall not allowed as main harvest method.	
Ground Hazard		
Slope	[None]	
Rock	[None]	
Rock Faces	[None]	
Morganers	[None]	
Other Ground Hazards	[None]	
Have any mineshafts been located? If yes, GPS location and include coupe map.	[None]	
Access Roads/Landings		
Grade	[None]	
Width	[None]	
Traffic & Falling Ops	[None]	
Access	[None]	



Harvest Unit 312-512-0012-A - Zumba
FOREST OPERATIONS COUPE PLAN - SECTION 3
 Contractor Section - Coupe Occupational Health and Safety

Are there hazardous trees adjacent trees to the roads that should be removed?	[None]	
Fire	[None]	
Hand Falling	[None]	
Other	[None]	
Is there any power lines/cables in or around coupe?	[None]	
Are there neighbours that will need to be notified of operations?	[None]	
Safety Comments		

Additional hazards identified				
<i>Describe hazard</i>	<i>Action Required</i>	<i>Responsible person</i>	<i>Date Required</i>	<i>Complete Y/N</i>

End of Forest Operations Coupe Plan Section 3



Harvest Unit 312-512-0012-A - Zumba
FOREST OPERATIONS COUPE PLAN - SECTION 4
Forester Section - Coupe Management Actions

Issues identified						
1. Situation	Value	Identified by spatial overlay as	Identified during manual check as	Value Description	How the value will be managed	Management Action Taken or Prescription Applied
Apiary zone within 1600m	-1	Present	Present	Unzoned apiary site located within 800 metres of the southern coupe boundary.	Licensee advised of planned harvesting on 12/3/21.	
Apiary zone within coupe	* None found *	Not Present	Not Present	No action required		
Bicentennial Trail in coupe	Bicentennial Trail in coupe	0.00	0.00	No action required		
Bicentennial Trail within 500m of coupe	Bicentennial Trail with 500m	Not Present	Not Present	No action required		
Fire Fuel Management Zone in coupe	3 - Landscape Management Zone	28.63	28.63	Coupe is within Zone 3 - Landscape Management Zone (LMZ).	No restrictions on timber harvesting or regeneration activities. No action required.	
Forest Management Zone within 200m	CFP : Code of Forest Practice	Present	Present	Modelled Code of Practice for Timber Production exclusion areas adjacent to coupe boundary.	No action required.	
Forest Management Zone within 200m	GMZ : General Management Zone	Present	Present	General Management Zone adjacent to coupe boundary.	No action required.	
Forest Management Zone within 200m	SPZ : Special Protection Zone	Present	Present	Special Protection Zone (SPZ) 312/11 (LBP Colony) located adjacent to gross coupe boundary.	No action required.	
Forest Management Zone within 500m	CFP : Code of Forest Practice	Present	Present	Modelled Code of Practice for Timber Production exclusion areas adjacent to coupe boundary.	No action required.	
Forest Management Zone within 500m	GMZ : General Management Zone	Present	Present	General Management Zone adjacent to coupe boundary.	No action required.	
Forest Management Zone within 500m	SPZ : Special Protection Zone	Present	Present	Special Protection Zone (SPZ) 312/11 located within 500 metres of the coupe boundary. The SPZ values are LBP Colony.	No action required.	
Forest Management Zone within coupe	CFP : Code of Forest Practice	5.28	5.28	Modelled Code of Practice for Timber Production exclusion areas within gross coupe boundary. The proposed gross coupe area contains 2 mapped drainage lines and a mapped area of >30 degree slope.	Protection requirements will be determined during field marking of the coupe in accordance with the VicForests Procedures Regulatory Handbook, Code of Practice for Timber Production and Upper Goulburn Catchment restrictions of minimum 20m buffers and 10m filters and no harvesting slopes >30 degrees.	Areas > 30 degrees have been excluded from the harvest area. 10m filter has been placed on dry depression on North Western boundary.



Harvest Unit 312-512-0012-A - Zumba
FOREST OPERATIONS COUPE PLAN - SECTION 4
Forester Section - Coupe Management Actions

Issues identified						
1. Situation	Value	Identified by spatial overlay as	Identified during manual check as	Value Description	How the value will be managed	Management Action Taken or Prescription Applied
Forest Management Zone within coupe	GMZ : General Management Zone	22.60	22.60	General Management Zone within gross coupe boundary.	Operations will be in accordance with the Code of Practice for Timber Production.	Operations will be in accordance with the Code of Practice for Timber Production.
Forest Management Zone within coupe	SPZ : Special Protection Zone	0.75	0.75	Special Protection Zone (SPZ) 312/11 (LBP Colony) located within gross coupe boundary.	SPZ boundary to be confirmed and marked in the field using a GPS, compass, hip chain and/or range finder. Boundary to be signed off by Senior Forester prior to harvesting commencement. No harvesting will occur within the SPZ.	SPZ has been excluded from the harvest area. Boundary has been signed off by Senior Forester.
Non-State Forest in coupe	* None found *	0.00	0.00	No action required		
Other situation issues	[n/a]	[n/a]				
Permanent fire break in coupe	* None found *	0.00	0.00	No action required		
Permanent fire break within 500m of coupe	* None found *	0.00	0.00	No action required		
Private land within 500m	Private property	Not Present	Not Present	No action required		
Private land within coupe	Private property	Not Present	Not Present	No action required		
Recreational hut in coupe	Recreation hut	Not Present	Not Present	No action required		
VF Reserve in coupe	LBPAG - LBP Known Colony Protection Reserve	8.86	8.86	3 VicForests Reserves VFSMP64 (LBP Colony Protection Reserve) located within coupe boundary.	Reserve boundary to be confirmed and marked in the field using a GPS, compass, hip chain and/or range finder. Boundary to be signed off by Senior Forester prior to harvesting commencement. No harvesting will occur within the VF Reserve.	Reserve boundaries have been excluded from the harvest area. Boundary has been signed off by Senior Forester.
VF Reserve within 500m	LBPAG - LBP Known Colony Protection Reserve	37.82	37.82	VicForests Reserves VFSMP64 (LBP Colony Protection Reserve) located within 500m of coupe boundary.	No action required.	
VF SMA in coupe	FAUNA_SMOKY_SMA	0.18	0.18	Special Management Area VFSMP275 (Smoky Mouse SMA) located within coupe boundary.	Harvesting, roading and regeneration activities to be in accordance with VFSMP275.	Smoky Mouse SMA has been excluded from the harvest area.
VF SMA within 500m	FAUNA_SMOKY_SMA	15.02	15.02	Special Management Area VFSMP275 (Smoky Mouse SMA) located within 500m of the coupe boundary.	No action required.	



Harvest Unit 312-512-0012-A - Zumba
FOREST OPERATIONS COUPE PLAN - SECTION 4
Forester Section - Coupe Management Actions

Issues identified						
1. Situation	Value	Identified by spatial overlay as	Identified during manual check as	Value Description	How the value will be managed	Management Action Taken or Prescription Applied
Walking track in coupe	Walking track	Not Present	Not Present	No action required		
Walking track within 500m of coupe	Walking track	Not Present	Not Present	No action required		
2. Stand	Value	Identified by spatial overlay as	Identified during manual check as	Value Description	How the value will be managed	Management Action Taken or Prescription Applied
Allocation Order Stratum	Ash	6.58	6.58	Working Forest Area stand type has been mapped during the overlay process as Ash.	Harvest in accordance with the Allocation Order to VicForests and Code of Practice for Timber Production.	Harvest in accordance with the Allocation Order to VicForests and Code of Practice for Timber Production.
Allocation Order Stratum	Mixed Species	22.05	22.05	Working Forest Area stand type has been mapped during the overlay process as Mixed Species.	Harvest in accordance with the Allocation Order to VicForests and Code of Practice for Timber Production.	Harvest in accordance with the Allocation Order to VicForests and Code of Practice for Timber Production.
3. Soil and Water	Value	Identified by spatial overlay as	Identified during manual check as	Value Description	How the value will be managed	Management Action Taken or Prescription Applied
Designated Water Catchment within coupe	UPPER GOULBURN	28.63	28.63	Coupe is located within Upper Goulburn water supply catchment.	Upper Goulburn catchment restrictions: No harvesting slopes >30 degrees. Apply minimum buffer widths of 20m and filter widths of 10m. No seasonal closure restriction to harvesting and associated activities.	Areas > 30 degrees have been excluded from the harvest area. 10m filter has been placed on dry depression on North Western boundary.
Designated Water Supply Catchment within 500m	UPPER GOULBURN	183.73	183.73	Coupe and surrounds are located within Upper Goulburn water supply catchment.	No action required.	
Other water issues	[n/a]	[n/a]				
Slope Class within coupe	0-20 Degrees	6.07	6.07	Gross coupe area contains area of slope between 0-20 degrees.	Harvest in accordance with the Code of Practice for Timber Production, Management Procedures and Utilisation Procedures.	Harvest in accordance with the Code of Practice for Timber Production, Management Procedures and Utilisation Procedures.
Slope Class within coupe	20-25 Degrees	2.65	2.65	Gross coupe area contains area of slope between 20-25 degrees.	Harvest in accordance with the Code of Practice for Timber Production, Management Procedures and Utilisation Procedures.	Harvest in accordance with the Code of Practice for Timber Production, Management Procedures and Utilisation Procedures.
Slope Class within coupe	25-30	7.92	7.92	Gross coupe area contains area of slope between 25-30 degrees.	Harvest in accordance with the Code of Practice for Timber Production, Management Procedures and Utilisation Procedures.	Harvest in accordance with the Code of Practice for Timber Production, Management Procedures and Utilisation Procedures.

Harvest Unit 312-512-0012-A - Zumba
FOREST OPERATIONS COUPE PLAN - SECTION 4
Forester Section - Coupe Management Actions

Issues identified						
3. Soil and Water	Value	Identified by spatial overlay as	Identified during manual check as	Value Description	How the value will be managed	Management Action Taken or Prescription Applied
Slope Class within coupe	30+	11.99	11.99	Gross coupe area contains area of slope >30 degree slope.	Upper Goulburn catchment restrictions: No harvesting slopes >30 degrees.	Areas > 30 degrees have been excluded from the harvest area. 10m filter has been placed on dry depression on North Western boundary.
Water quality risk within coupe	Low or Moderate Water Quality Risk	[n/a]	Present	Soil Assessments have determined the overall Water Quality Risk (Soil Erosion category) to be Low or Moderate for this coupe.	Harvest in accordance with the Code of Practice for Timber Production, Management Procedures and Utilisation Procedures.	Harvest in accordance with the Code of Practice for Timber Production, Management Procedures and Utilisation Procedures.
4. Biodiversity	Value	Identified by spatial overlay as	Identified during manual check as	Value Description	How the value will be managed	Management Action Taken or Prescription Applied
Barred Galaxias streams in coupe or within 500m	Barred Galaxias catchment in coupe or within 500m	Not Present	Not Present	No action required		
Leadbeater's Possum habitat in coupe (Modelled/Zone1A)	Modelled Leadbeater's Possum habitat	Present	Unk	Modelled Leadbeater's Possum habitat detected during the overlay process mapped adjacent to the northern coupe boundary.	LBP habitat to be confirmed in the field. If present, potential habitat will be excluded from harvesting in accordance with VicForests Operating Procedures Regulatory Handbook.	Modelled LBP habitat not identified whilst conducting coupe marking activities.
Leadbeater's Possum habitat within 500m (Modelled/Zone1A)	Modelled Leadbeater's Possum habitat	Present	Unk	Modelled Leadbeater's Possum habitat detected during the overlay process, mapped within 500 metres of the coupe boundary. Field work in neighbouring coupes found Leadbeater's Possum Zone 1A habitat was not present.	No action required.	
Old Growth Forest in coupe	* None found	0.00	0.00	No action required		
Old Growth Forest within 500m	* None found	Not Present	Not Present	No action required		
Other biodiversity issues	[n/a]	[n/a]				
Other threatened flora	* None found *	Not Present	Not Present	No action required		

Harvest Unit 312-512-0012-A - Zumba
FOREST OPERATIONS COUPE PLAN - SECTION 4
Forester Section - Coupe Management Actions

Issues identified						
4. Biodiversity	Value	Identified by spatial overlay as	Identified during manual check as	Value Description	How the value will be managed	Management Action Taken or Prescription Applied
Rainforest in coupe	Cool Temperate RF	0.38	0.38	Rainforest EVC detected in overlay process mapped within the western coupe boundary within VF Reserve.	If Rainforest is identified in the field, buffer in accordance with the VicForests Rainforest Identification Instruction.	There is the potential that Cool Temperate Rainforest and Mixed Forest are present within the coupe area, assumed along the major gully system / northern boundary of the coupe. Rainforest stands appear to be aggregated with Mountain Ash intermittently dispersed throughout, potentially creating areas of Mixed Forest. A precautionary 40m buffer has been applied to areas showing the potential sizing and density requirements of rainforest.
Rainforest site in coupe	* None found *	0.00	0.00	No action required		
Rainforest site within 500m	Rainforest site of significance	Not Present	Not Present	No action required		
Rainforest within 500m	Cool Temperate RF	1.30	1.30	Rainforest EVC detected in overlay process.	If Rainforest is identified in the field, buffer in accordance with the VicForests Rainforest Identification Instruction.	There is the potential that Cool Temperate Rainforest and Mixed Forest are present within the coupe area, assumed along the major gully system / northern boundary of the coupe. Rainforest stands appear to be aggregated with Mountain Ash intermittently dispersed throughout, potentially creating areas of Mixed Forest. A precautionary 40m buffer has been applied to areas showing the potential sizing and density requirements of rainforest.
Reference Area within 500m of coupe	Reference area	Not Present	Not Present	No action required		
Spotted Tree Frog catchment in coupe		Present	Present	Entire coupe located within greater Taponga STF catchment, but not within 1 km upstream of known STF sites and not within STF Management Zones.	Construction of stream crossings should be minimised and any new roads should be located at least 50m from any stream unless there are sediment management operations in place to prevent sediments from entering streams.	If required, works will be minimised and any new roads should be located at least 50m from any stream unless there are sediment management operations in place to prevent sediments from entering streams.
Spotted Tree Frog catchment within 500m		Present	Present	Entire coupe located within greater Taponga STF catchment, but not within 1 km upstream of known STF sites and not within STF Management Zones.	No action required.	
Spotted Tree Frog in coupe	* None found *	Not Present	Not Present	No action required		

Harvest Unit 312-512-0012-A - Zumba
FOREST OPERATIONS COUPE PLAN - SECTION 4
Forester Section - Coupe Management Actions

Issues identified						
4. Biodiversity	Value	Identified by spatial overlay as	Identified during manual check as	Value Description	How the value will be managed	Management Action Taken or Prescription Applied
Spotted Tree Frog within 500m	* None found *	Not Present	Not Present	No action required		
Threatened EVC in coupe	* None found *	0.00	0.00	No action required		
Threatened EVC within 500m	Cool Temperate Rainforest	0.83	0.83	Rainforest EVC was identified during the overlay process, located within 500m of the western coupe boundary.	If Rainforest is identified in the field, buffer in accordance with the VicForests Rainforest Identification Instruction.	There is the potential that Cool Temperate Rainforest and Mixed Forest are present within the coupe area, assumed along the major gully system / northern boundary of the coupe. Rainforest stands appear to be aggregated with Mountain Ash intermittently dispersed throughout, potentially creating areas of Mixed Forest. A precautionary 40m buffer has been applied to areas showing the potential sizing and density requirements of rainforest.
Threatened fauna site in coupe	Petauroides volans: Greater Glider	Present	Present	Coupe overlay process has detected Greater Glider species observations in Victorian Biodiversity Atlas (VBA) records within the gross coupe boundary.	Apply VicForests Greater Glider Conservation Strategy prescriptions. Retain at least 40% of the basal area of eucalypts across TRP coupe prioritising the protection of live, large, hollow-bearing trees through all forest management activities including regeneration burning.	40% of the TRP's basal area will be retained. This is achieved through exclusion, aggregated and dispersed retention techniques such as widened boundaries, retention islands and retained trees (habitat, recruitment and seed trees) within the coupe.
Threatened fauna site in coupe	Gymnobelideus leadbeateri: Leadbeater's Possum Colony	Present	Present	Coupe overlay process has detected Leadbeater's Possum species observations in Victorian Biodiversity Atlas (VBA) records within the gross coupe boundary.	LBP Colonies have been protected by a 200m buffer in VicForests Reserve VFSMP64. Reserve boundary to be confirmed and marked in the field using a GPS, compass, hip chain and/or range finder. Boundary to be signed off by Senior Forester prior to harvesting commencement. No harvesting or associated activities will occur within the VF Reserve.	LBP Colonies have been excluded from the harvest area. Boundary has been signed off by Senior Forester.
Threatened fauna site within 500m of coupe	Petauroides volans: Greater Glider	Present	Present	Coupe overlay process has detected Greater Glider species observations in Victorian Biodiversity Atlas (VBA) records within 500m of the coupe boundary.	Apply VicForests HCV management system. Prioritise the largest, live, hollow-bearing trees for habitat retention.	40% of the TRP's basal area will be retained. This is achieved through exclusion, aggregated and dispersed retention techniques such as widened boundaries, retention islands and retained trees (habitat, recruitment and seed trees) within the coupe.

Harvest Unit 312-512-0012-A - Zumba
FOREST OPERATIONS COUPE PLAN - SECTION 4
Forester Section - Coupe Management Actions

Issues identified						
4. Biodiversity	Value	Identified by spatial overlay as	Identified during manual check as	Value Description	How the value will be managed	Management Action Taken or Prescription Applied
Threatened fauna site within 500m of coupe	Petaurus australis: Yellow-bellied Glider	Present	Present	Coupe overlay process has detected Yellow-bellied Glider species observations in Victorian Biodiversity Atlas (VBA) records within 500m of the coupe boundary.	Apply VicForests HCV management system. Prioritise the largest, live, hollow-bearing trees for habitat retention.	40% of the TRP's basal area will be retained. This is achieved through exclusion, aggregated and dispersed retention techniques such as widened boundaries, retention islands and retained trees (habitat, recruitment and seed trees) within the coupe.
Threatened fauna site within 500m of coupe	Gymnobelideus leadbeateri: Leadbeater's Possum Colony	Present	Present	Coupe overlay process has detected Leadbeater's Possum species observations in Victorian Biodiversity Atlas (VBA) records within 500m of the coupe boundary.	LBP Colonies have been protected by a 200m buffer in VicForests Reserve VFSMP64. Reserve boundary to be confirmed and marked in the field using a GPS, compass, hip chain and/or range finder. Boundary to be signed off by Senior Forester prior to harvesting commencement. No harvesting or associated activities will occur within the VF Reserve.	LBP Colonies have been excluded from the harvest area. Boundary has been signed off by Senior Forester.
Threatened flora site within 500m of coupe	* None found *	Not Present	Not Present	No action required		
Threatened Species Observations in coupe	Petauroides volans: Greater Glider	Present	Present	Coupe overlay process has detected Greater Glider in VicForests Threatened Species layer within the gross coupe boundary.	Apply VicForests Greater Glider Conservation Strategy prescriptions. Retain at least 40% of the basal area of eucalypts across TRP coupe prioritising the protection of live, large, hollow-bearing trees through all forest management activities including regeneration burning.	40% of the TRP's basal area will be retained. This is achieved through exclusion, aggregated and dispersed retention techniques such as widened boundaries, retention islands and retained trees (habitat, recruitment and seed trees) within the coupe.
Threatened Species Observations in coupe	Gymnobelideus leadbeateri: Leadbeater's Possum	Present	Present	Coupe overlay process has detected Leadbeater's Possum in VicForests Threatened Species layer within the gross coupe boundary.	LBP Colonies have been protected by a 200m buffer in VicForests Reserve VFSMP64. Reserve boundary to be confirmed and marked in the field using a GPS, compass, hip chain and/or range finder. Boundary to be signed off by Senior Forester prior to harvesting commencement. No harvesting or associated activities will occur within the VF Reserve.	LBP Colonies have been excluded from the harvest area. Boundary has been signed off by Senior Forester.
Threatened Species Observations within 500m of coupe	Petauroides volans: Greater Glider	Present	Present	Coupe overlay process has detected Greater Glider in VicForests Threatened Species layer within 500m of the coupe boundary.	Apply VicForests HCV management system. Prioritise the largest, live, hollow-bearing trees for habitat retention.	40% of the TRP's basal area will be retained. This is achieved through exclusion, aggregated and dispersed retention techniques such as widened boundaries, retention islands and retained trees (habitat, recruitment and seed trees) within the coupe.

Harvest Unit 312-512-0012-A - Zumba
FOREST OPERATIONS COUPE PLAN - SECTION 4
Forester Section - Coupe Management Actions

Issues identified						
4. Biodiversity	Value	Identified by spatial overlay as	Identified during manual check as	Value Description	How the value will be managed	Management Action Taken or Prescription Applied
Threatened Species Observations within 500m of coupe	Petaurus australis: Yellow-bellied Glider	Present	Present	Coupe overlay process has detected Yellow-bellied Glider in VicForests Threatened Species layer within 500m of the coupe boundary.	Apply VicForests HCV management system. Prioritise the largest, live, hollow-bearing trees for habitat retention.	40% of the TRP's basal area will be retained. This is achieved through exclusion, aggregated and dispersed retention techniques such as widened boundaries, retention islands and retained trees (habitat, recruitment and seed trees) within the coupe.
Threatened Species Observations within 500m of coupe	Gymnobelideus leadbeateri: Leadbeater's Possum	Present	Present	Coupe overlay process has detected Leadbeater's Possum in VicForests Threatened Species layer within 500m of the coupe boundary.	LBP Colonies have been protected by a 200m buffer in VicForests Reserve VFSMP64. Reserve boundary to be confirmed and marked in the field using a GPS, compass, hip chain and/or range finder. Boundary to be signed off by Senior Forester prior to harvesting commencement. No harvesting or associated activities will occur within the VF Reserve.	LBP Colonies have been excluded from the harvest area. Boundary has been signed off by Senior Forester.
VF Large Trees in Coupe	Trees 250 - 399 cm	Present	Present	VF Large Tree detected in the coupe overlay process within the coupe boundary.	All living trees equal to or greater than 2.5 m DBHOB or 85 m in height are to be retained and protected.	Tree > 2.5m DBH has been excluded from the harvest area via a retention island and will be protected during harvesting.
VF Large Trees within 500m	None found	Not Present	Not Present	No action required		
5. Historical	Value	Identified by spatial overlay as	Identified during manual check as	Value Description	How the value will be managed	Management Action Taken or Prescription Applied
Aboriginal Cultural Sensitivity Area in coupe	Watercourse	18.36	18.36	Area of Cultural Sensitivity within coupe identified in the overlay process.	Consultation with AV was undertaken during the TRP approval process. No registered Aboriginal Cultural Heritage sites were identified. No restriction to harvesting. No further action.	
Aboriginal Cultural Sensitivity Area within 500m	Watercourse	59.87	59.87	Area of Cultural Sensitivity within 500m of coupe boundary identified in the overlay process.	Consultation with AV was undertaken during the TRP approval process. No registered Aboriginal Cultural Heritage sites were identified. No restriction to harvesting. No further action.	
Historic areas in coupe	* None found *	Not Present	Not Present	No action required		
Historic areas within 500m	* None found *	Not Present	Not Present	No action required		

Harvest Unit 312-512-0012-A - Zumba
FOREST OPERATIONS COUPE PLAN - SECTION 4
Forester Section - Coupe Management Actions

Issues identified						
5. Historical	Value	Identified by spatial overlay as	Identified during manual check as	Value Description	How the value will be managed	Management Action Taken or Prescription Applied
Historic sites in coupe	Historic site	Not Present	Not Present	No action required		
Historic sites within 500m	Historic site	Not Present	Not Present	No action required		
Historic tramway site in coupe	Historic tramway	Not Present	Not Present	No action required		
Historic tramways site within 500m of coupe	Historic tramway	Not Present	Not Present	No action required		
Other historical issues	[n/a]	[n/a]				
6. Landscape	Value	Identified by spatial overlay as	Identified during manual check as	Value Description	How the value will be managed	Management Action Taken or Prescription Applied
Foreground issues (0-500m)	* None found *	0.00	0.00	No action required		
Landscape Issues in coupe	* None found *	0.00	0.00	No action required		
Middleground issues (500m-6.5k)	MARYSVILLE_WOODS_POINT_ROAD Middleground	22.69	22.69	Coupe overlay has identified 22.69ha of the coupe is within Middleground distance of Marysville-Woods Point Road and is potentially visible.	Manage timber harvesting operations to ensure landscape alterations are only subtly apparent within 5 years of the operation and shape timber harvesting operations to minimise their visual impact. Harvesting Forester to monitor during operations and modify if required.	Retained trees, habitat retention islands and the location of the coupe within the landscape will aid in minimising the coupes impact visually. Harvesting Forester will monitor during operations and modify if required.
Middleground issues (500m-6.5k)	WARBURTON_WOODS_POINT_ROAD Middleground	27.90	27.90	Coupe overlay has identified 27.90ha of the coupe is within Middleground distance of Warburton-Woods Point Road and is potentially visible.	Manage timber harvesting operations to ensure landscape alterations are only subtly apparent within 5 years of the operation and shape timber harvesting operations to minimise their visual impact. Harvesting Forester to monitor during operations and modify if required.	Retained trees, habitat retention islands and the location of the coupe within the landscape will aid in minimising the coupes impact visually. Harvesting Forester will monitor during operations and modify if required.
Other landscape issues	[n/a]	[n/a]				
Outer issues (6.5k - 12km)	* None found *	0.00	0.00	No action required		



Harvest Unit 312-512-0012-A - Zumba
FOREST OPERATIONS COUPE PLAN - SECTION 4
Forester Section - Coupe Management Actions

Issues identified						
7. Research	Value	Identified by spatial overlay as	Identified during manual check as	Value Description	How the value will be managed	Management Action Taken or Prescription Applied
Leadbeater's Possum research sites in coupe	Leadbeater's Possum monitoring site	Not Present	Not Present	No action required		
Leadbeater's Possum research sites within 500m	Leadbeater's Possum monitoring site	Not Present	Not Present	No action required		
Other research issues	[n/a]	[n/a]				
Permanent Growth Plot buffer in coupe	Permanent Growth Plot buffer	Not Present	Not Present	No action required		
8. Weeds, Pests & Disease	Value	Identified by spatial overlay as	Identified during manual check as	Value Description	How the value will be managed	Management Action Taken or Prescription Applied
Pests and Disease	None identified	[n/a]	None identified			
Weeds	None identified	[n/a]	None identified			
<i>End of Forest Operations Coupe Plan Section 4</i>						



Harvest Unit 312-512-0012-A - Zumba
FOREST OPERATIONS COUPE PLAN - SECTION 5
Contractor Section - Harvesting Commencement & Completion Declarations

Harvesting commencement declaration	Contractor/HTL Initial	VicForests Initial
▪ I have received a copy of the Forest Coupe Plan and a copy of the Utilisation Procedures.		
▪ I have discussed this Forest Coupe Plan with an Officer of VicForests and understand it.		
▪ I will ensure that this operation is conducted in accordance with the Forest Coupe Plan, the Utilisation Procedures and the Occupational Health and Safety Act.		
▪ I will ensure that all operators working on this coupe are aware of their responsibilities under this Forest Coupe Plan.		
▪ I will ensure that all operators hold a current FOLS with all appropriate endorsements prior to them commencing work on the coupe.		
▪ An identification of hazards associated with this coupe was conducted in accordance with the Industry Standard: Safety in Forestry Operations (Harvesting and Haulage) 2007 and the Occupational Health and Safety Act 2004.		
▪ The Contractor/HTL acknowledges that it is their responsibility to identify the appropriate controls for all identified hazards. VicForests acknowledges that the Contractor/HTL has a hazard control plan that identifies all addresses all identified hazards.		
▪ Landing(s) location has been agreed to by VicForests and the Contractor/HTL		
▪ Location/selection of retained trees has been agreed to by VicForests and the Contractor/HTL		
▪ I have been briefed on the identification and habitat retention strategies put in place to manage Biodiversity Values identified in this coupe as outlined in the HCV summary and retention plan		
Contractor / HTL _____	Signed _____	Date _____
Sanctioned By VicForests Officer _____	Signed _____	Date _____

The names and FOLS numbers of the crew working on this Harvest Unit are:

HTL _____	FOLS No. _____	
Log Grader _____	FOLS No. _____	Hammer No. _____
Crew Member _____	FOLS No. _____	
Crew Member _____	FOLS No. _____	
Crew Member _____	FOLS No. _____	
Crew Member _____	FOLS No. _____	



Harvest Unit 312-512-0012-A - Zumba
FOREST OPERATIONS COUPE PLAN - SECTION 5
Contractor Section - Harvesting Commencement & Completion Declarations

Provisional Clearance Declaration

This coupe cannot be completed until a later date. This provisional clearance has been granted to the Logging Team Leader subject to the coupe being left in an approved condition.

I acknowledge that if directed by VicForests, I will return to carry out any actions that result from the temporary clearance assessment.

Contractor/HTL _____

Signed _____

Date _____

This harvesting operation has been completed to the satisfaction of VicForests.

VicForests Officer _____

Signed _____

Date _____

Harvesting Re-commencement Declaration

- I have received a copy of the Forest Coupe Plan and a copy of the Utilisation Procedures.
- I have discussed the Forest Coupe Plan with an Office of VicForests and understand it.
- A reassessment of the hazards and controls associated with the coupe was conducted in accordance with the Industry Standard: Safety in Forestry Operations (Harvesting and Haulage) 2007 and the Occupational Health and Safety Act 2004.
- I will ensure that this operation is conducted in accordance with the Forest Coupe Plan, the Utilisation Procedures and the Occupational Health and Safety Act.
- I will ensure that the operators working on this coupe are aware of their responsibilities under the Forest Coupe Plan.
- I will ensure that all operators hold a current FOLS with all appropriate endorsements prior to commencing work on the coupe.

Contractor/HTL _____

Signed _____

Date _____

Witnessed by
VicForests Officer _____

Signed _____

Date _____



Harvest Unit 312-512-0012-A - Zumba
FOREST OPERATIONS COUPE PLAN - SECTION 5
Contractor Section - Harvesting Commencement & Completion Declarations

Final Completion and Clearance Declaration

This clearance to leave the coupe has been granted to the Contractor / Logging Team Leader.

I acknowledge that if directed by VicForests, I will return to carry out any actions that result from the final clearance assessment.

Contractor/HTL _____

Signed _____

Date _____

This coupe has been completed to the satisfaction of VicForests.

VicForests Officer _____

Signed _____

Date _____

** record in Cengea*

End of Forest Operations Coupe Plan Section 5