



Forest Operations Coupe Plan

for

Harvest Unit 318-512-0025-A - Macaroon

Marysville

318 - Mt Matlock

Location of coupe centroid

Easting/Northing: (GDA-94)	425659/5838373 Zone 55
VicGrid	2602235/2432940
Latitude/Longitude:	37° 35' 55" S/146° 9' 28" 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 318-512-0025-A - Macaroon
FOREST OPERATIONS COUPE PLAN - SECTION 1
 Contractor Section - Coupe Description

Descriptive Information		(also see Part 2: Coupe Map - Operation and Context)		
Forest type	Alpine Ash predominant			
Area of TRP Boundary	21.4			
Area of Harvest Unit (operational area)	4.0			
Regional Forest Agreement	CENTRAL HIGHLANDS			
Forest Management Area	Central			
General aspect	North-westerly			
Elevation	1160 meters			
Slope	Minimum 5°; Average 20°; Maximum 30°			
Proportion of the nett coupe area > 20°	41-70 %			
		Horizon A	Horizon B	Horizon C
Soil Erosion Classification		<i>Low</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	
Alpine Ash	B	351 m ³	
Alpine Ash	C	287 m ³	
Alpine Ash	D	45 m ³	
Alpine Ash	E	468 m ³	
Alpine Ash	H	1565 m ³	

End of Forest Operations Coupe Plan Section 1



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FOREST OPERATIONS COUPE PLAN - SECTION 2
 Contractor Section - Contractor Direction

Personnel	
VF Officer	
Contractor	
Operational Issues	
Silvicultural Intent	Adaptive Silvicultural Systems
Silviculture system(s)	Clearfelling
Recommended harvesting period	Summer of 2020-2021
Description of the coupe boundaries and method used to locate boundary in the field	-Northern boundary is slope exclusion, TRP boundary and habitat exclusion -Eastern boundary is Alpine Ash/Snow Gum species interchange -Southern boundary is slope exclusion and merchantable stand -Western boundary is slope exclusion and SPZ
Operational constraints	Low Overall Soil Category (Water Quality Risk)
Social Issues	
Identified social issues	Landscape Special Management Zone (SMZ) running along the Warburton Woods Point Rd. No harvesting to occur in SMZ area.
Coupe Access	
Proposed Access	Warburton Woods Point Road => In Coupe Rd through Macaroon to landing site in Eclair.
Proposed driveway length to construct	0
Proposed in-coupe road length to construct	1000
Proposed in-coupe roading requirements	
Proposed number of stream crossings	0
Proposed number of landings	0



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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

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	Planned silvicultural system and requirements	<p>Once harvesting is completed, the retention island will have a mineral earth break constructed around their perimeter to help protect these values from regeneration burning. All type 1 habitat trees will have a 3m cleared area around the base of them, whilst debris will also be minimised around other retained trees across the site. A modified burn strategy may be utilised to avoid excessive scorch and limit their impact on retention islands.</p> <p>Prior to any site preparation activities commencing the coupe will be assessed as to whether natural regeneration through stump coppice and natural seed fall is present post-harvest. If the level of stocking from natural regeneration is not sufficient, a combination of site preparation techniques will be undertaken across the site.</p> <p>If required, a post-harvest low intensity burn will be undertaken to create an adequate seedbed for regeneration activities. Retention islands and isolated habitat trees will aim to be protected from excessive scorch through stage burning. Sections of the harvested area may be compartmentalized to aid in burning techniques, providing it is operationally safe to do so. If protection of these values is deemed to be unsuccessful through a broadcast burn, windrow burning may be implemented. Additional fire trailing may be implemented along boundaries adjacent to SPZ prior to any burning to help better protect these values.</p> <p>This regeneration strategy may be subject to change due to unforeseen factors such as a risk to values being compromised by regeneration burning, or the site being too wet for a satisfactory result. In this case mechanical disturbance followed by sowing and or hand planting will be utilised.</p> <p>Areas where regeneration is already present and established will be protected where possible throughout the harvesting and regeneration activities.</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	



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6.1	Activities in excluded areas	Harvesting activities such as snigging is permitted through the retention islands and corridors with the authorisation from a VicForests Officer.
7.	Harvest requirements	
7.1	Retained Trees	<p>One island (totalling 0.62ha) is located in the harvest area. Retention islands are retained to maintain connectivity with the surrounding forested areas. Retention islands with intact understorey will provide refuge points for fauna and allow the re-establishment of these flora species back into harvested areas.</p> <p>The island will be displayed on a VF tablet along with identified habitat trees which are to be retained if safe to do so. A combination of desktop and field reconnaissance methods were used in determining suitable locations for the retention islands. If during harvesting it is determined that there are a better areas to place particular islands or retention areas to aid in their protection during harvesting and associated activities including forest regeneration, they will be shifted after authorisation has been granted by the supervising forester.</p> <p>Greater Glider Habitat Protection</p> <p>Two detections have been made to the west of the Macaroon coupe, due to the detection location and the amount (2), the Greater Glider retention strategy does not need to be implemented. As an outcome of retention in the coupe, including an island, code restrictions including exclusion of areas with slope over 30 degrees, and the exclusion of the Leadbeaters Possum SPZ area, overall retention inside the coupe will be over 40%.</p> <p>Overall retention inside the Macaroon coupe is 82%. This retention level exceeds the Greater Glider retention requirement of 40% pre-harvest basal area.</p> <p>The 40% retention of the TRPs basal area can be achieved through exclusion, aggregated and dispersed retention techniques such as retention islands and retained trees (habitat, recruitment and seed trees) within the coupe.</p> <p>Type 1, 2 and 3 habitat trees will be retained for habitat as well as feed/seed trees, stags and other hollow bearing recruitment trees. This will maintain connectivity between important habitat components and the surrounding forest for the Greater Glider and other arboreal mammals present in the general area.</p>
7.2	Large Tree Protection	
7.3	Trees to be felled	



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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	All trees harvested in the Macaroon coupe will be snigged to an established landing in the Eclair coupe.
12.2	Construction and maintenance of landings	
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	



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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	
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)	Machine washdown to occur prior to leaving the site due to blackberry infestations. This is undertaken as per VicForests Utilisation Procedures.
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.		



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 Contractor Section - Contractor Direction

Habitat Retention Plan	
Habitat Description and Marking	<p>Adapting to pre-harvest survey information, plot data and other values both the Macaroon coupe will be harvested under Clear-fell with retention silviculture system. Harvesting contractor will be briefed on identification of HBTs and HCVs, as well as the retention strategy objective for this coupe.</p> <p>Type 1, 2 and 3 habitat trees have been identified and will be retained where safe to do so. All type 1 trees will be retained and have 4 recruitment trees retained adjacent where safe to do so. Suppressed, unmerchantable and trees with habitat features will be left if operationally safe and practical to do so.</p> <p>One island (totalling 0.62ha) is located in the harvest area. Retention islands are retained to maintain connectivity with the surrounding forested areas. Retention islands with intact understorey will provide refuge points for fauna and allow the re-establishment of these flora species back into harvested areas.</p> <p>The island will be displayed on a VF tablet along with identified habitat trees which are to be retained if safe to do so. A combination of desktop and field reconnaissance methods were used in determining suitable locations for the retention islands. If during harvesting it is determined that there are a better areas to place particular islands or retention areas to aid in their protection during harvesting and associated activities including forest regeneration, they will be shifted after authorisation has been granted by the supervising forester. After harvesting the island will be fire trailed to minimise risk of burning during regeneration activities.</p>
Habitat trees will be retained...	Scenario
<ul style="list-style-type: none"> . Outside the harvesting tapes, but within the 'gross coupe boundary' . As individual trees along the edge, outside the harvested area . As individual trees, scattered throughout the coupes . In patch(es)/clump(s) within the harvested area . To serve as seed trees also . Other requirements 	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>No</p> <p>No</p>
Other requirements	



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Contractor Section - Contractor Direction

** See variation page for marking procedure.*

End of Forest Operations Coupe Plan Section 2



Harvest Unit 318-512-0025-A - Macaroon
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)	10 % if > 50% handfall not allowed as main harvest method.	
Percentage of the trees having mature interlocked crowns	10 % if > 50% handfall not allowed as main harvest method.	
Ground Hazard		
Slope	Coupe has areas with steep slopes (20-30 degrees). Areas over 30 degrees slope have been exluded from harvest unit.	
Rock	Moderate level of surface rock noted throughout coupe area.	
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	Traffic management to be implemented when necessary.	
Access	[None]	



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 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?	Neighbour notification has already occurred.	
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>

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Harvest Unit 318-512-0025-A - Macaroon
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 100 metres of the coupe boundary.	Licensee advised of planned harvesting on 1/12/20.	
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	1 - Asset Protection Zone	0.43	0.43	0.43ha of gross coupe is within Fire Management Zone 1: Asset Protection located along the firebreak.	No harvesting will occur along the fire break. No further action required.	
Fire Fuel Management Zone in coupe	2 - Bushfire Moderation Zone	2.55	2.55	2.55ha of gross coupe is within Zone 2 - Bushfire Moderation Zone (BMZ) located on the eastern side of the fire break.	No harvesting will occur on the eastern side of the fire break. No further action required.	
Fire Fuel Management Zone in coupe	3 - Landscape Management Zone	18.42	18.42	18.42ha of gross coupe is within Fire Management Zone 3: Landscape Management and within 1.5km of private property located on the western side of the fire break.	No restrictions to timber harvesting. The overall fuel hazard rating for this coupe must be less than or equal to high within 12 months of harvesting unless self regenerated. If self regenerated, VicForests Regeneration coordinator to liaise with DELWP.	Fuel Hazard assessment to be completed within 12 months of harvesting completion to determine Overall Fuel Hazard rating.
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	SMZ : Special Management Zone	Present	Present	Special Management Zone (SMZ) 457/01 located adjacent to coupe boundary. The SMZ value is Landscape (Warburton - Woods Point Road).	No action required	
Forest Management Zone within 200m	SPZ : Special Protection Zone	Present	Present	Special Protection Zone (SPZ) 318/12 (LBP Colony) located adjacent coupe boundary.	No action required	Coupe boundary has been marked adjacent to SPZ using a GPS to confirm location. Marked boundary has been signed off by Senior Forester. No harvesting will occur within the SPZ.



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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 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	SMZ : Special Management Zone	Present	Present	Special Management Zone (SMZ) M-457-03 located within 500m of the coupe boundary. The SMZ value is Landscape (Warburton - Woods Point Road).	No action required	
Forest Management Zone within 500m	SPZ : Special Protection Zone	Present	Present	Special Protection Zones (SPZs) 318/01, 457/10 and P-457-01 located within 500 metres of the coupe boundary. SPZ values are Linear reserve, Old-growth (Montane Dry Woodland).	No action required	
Forest Management Zone within coupe	CFP : Code of Forest Practice	3.48	3.48	The proposed gross coupe area contains 3 mapped drainage lines and an 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 Gou burn Catchment restrictions of minimum 20m buffers and 10m filters and no harvesting slopes >30 degrees.	Where harvesting is in proximity of streams a minimum of 20m buffers and 10m filters have been applied in the field. Boundaries are marked using blue flagging tape. No harvesting of slopes >30 degrees to occur.
Forest Management Zone within coupe	GMZ : General Management Zone	13.05	13.05	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	SMZ : Special Management Zone	3.13	3.13	Special Management Zone (SMZ) 457/01 located within gross coupe boundary. The SMZ value is Landscape (Warburton - Woods Point Road). There is an approved DELWP SMZ plan for Warburton-Woods Point Rd SMZ.	SMZ will be confirmed and marked in the field using GPS. No harvesting will occur in SMZ in accordance with the approved DELWP SMZ plan.	No harvesting will occur in SMZ in accordance with the approved DELWP SMZ plan.

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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	SPZ : Special Protection Zone	1.73	1.73	Special Protection Zone (SPZ) 318/12 (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.	Coupe boundary has been marked adjacent to SPZ using a GPS to confirm location. Marked boundary has been signed off by Senior Forester. No harvesting will occur within the SPZ.
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	Constructed	724.46	724.46	Existing Permanent Constructed fire break located within coupe boundary along unnamed track.	Existing Strategic Fuelbreaks or Strategic Fuelbreaks constructed prior to the harvesting operations are to be restored to the Pre-Harvesting condition. All debris to be removed from the break, drainage to be reinstated and if safe to do so, retained vegetation within fue break is not to be removed as part of the harvesting operations.	Post harvest, existing Strategic Fuelbreaks or Strategic Fue breaks constructed prior to the harvesting operations are to be restored to the Pre-Harvesting condition.
Permanent fire break within 500m of coupe	Constructed	1741.73	1741.70	Existing Permanent Constructed fire break located within 500m of coupe boundary along Warburton Woods Point Road and unnamed track.	No action required	Post harvest, existing Strategic Fuelbreaks or Strategic Fue breaks constructed prior to the harvesting operations are to be restored to the Pre-Harvesting condition.
Private land within 500m	Private property	Present	Present	Private property within 500m of southern coupe boundary.	Letter of notification of planned harvesting and haulage activities sent to landholder on 1/12/20.	
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	1.73	1.73	VicForests Reserve 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.	Coupe boundary has been marked adjacent to VF Reserve/SPZ using a GPS to confirm location. Marked boundary has been signed off by Senior Forester. No harvesting will occur within the SPZ/VF Reserve Area.



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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
VF Reserve within 500m	LBPAG - LBP Known Colony Protection Reserve	10.83	10.83	VicForests Reserve VFSMP64 (LBP Colony Protection Reserve) located adjacent coupe boundary.	No action required	Coupe boundary has been marked adjacent to VF Reserve/SPZ using a GPS to confirm location. Marked boundary has been signed off by Senior Forester. No harvesting will occur within the SPZ/VF Reserve Area.
VF Reserve within 500m	MON_PGP_MA	1.13	1.13	VicForests Reserve (Permanent Growth Plot (PGP25)) located within 500m of the coupe boundary.	Permanent Growth Plot not within or adjacent to coupe boundary and will not be affected by harvesting. No further action required.	
VF SMA in coupe	Water SMA	1.07	1.07	1.07ha of gross coupe located within Special Management Area (SMA) VFSMP69 (Thomson Catchment) located in eastern section of coupe.	No harvesting will occur on the eastern side of the fire break. VF SMA will not be affected by harvesting. No further action required.	
VF SMA within 500m	Water SMA	52.23	52.23	Coupe located adjacent to Special Management Area (SMA) VFSMP69 (Thomson Catchment).	No action required	
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	17.88	17.88	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	3.52	3.52	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.

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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
Designated Water Catchment within coupe	THOMSON RIVER (STAGES 1,1A,2)	1.07	1.07	Coupe is located within Thomson River water supply catchment.	No harvesting will occur on the eastern side of the fire break. Thomson River water supply catchment will not be affected by harvesting. No further action required.	
Designated Water Catchment within coupe	UPPER GOULBURN	20.33	20.33	Coupe is located within Upper Goulburn water supply catchment.	Upper Gou burn 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.	Where harvesting is in proximity of streams a minimum of 20m buffers and 10m filters have been applied in the field. Boundaries are marked using blue flagging tape. No harvesting of slopes >30 degrees to occur.
Designated Water Supply Catchment within 500m	THOMSON RIVER (STAGES 1,1A,2)	51.16	51.16	Coupe located adjacent Thomson River water supply catchment.	No action required	
Designated Water Supply Catchment within 500m	UPPER GOULBURN	141.00	141.00	Coupe located adjacent Upper Goulburn water supply catchment.	No action required	
Other water issues	[n/a]	[n/a]				
Slope Class within coupe	0-20 Degrees	5.79	5.79	Gross coupe area contains 5.79ha 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	4.56	4.56	Gross coupe area contains 4.56ha 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	7.72	7.72	Gross coupe area contains 7.72ha 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.
Slope Class within coupe	30+	3.33	3.33	Gross coupe area contains 3.33ha of slope >30 degree slope.	Upper Gou burn catchment restrictions: No harvesting slopes >30 degrees.	No harvesting of slopes >30 degrees. Field assessment and GIS spatial analysis was used to identify areas of slope >30 degrees that were excluded from the harvest area.
Water quality risk within coupe	Low or Moderate Water Quality Risk	[n/a]	Present	A Low to Moderate Water Quality Risk was determined after Soil Assessments 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.



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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
Barred Galaxias streams in coupe or within 500m	Barred Galaxias catchment in coupe or within 500m	Not Present	Not Present	No action required		
Greater Glider Habitat Within 100m (Modelled Class1)	Modelled Greater Glider Habitat within 100m	Not Present	Not Present	No action required		
Leadbeater's Possum habitat in coupe (Modelled/Zone1A)	Modelled Leadbeater's Possum habitat	Not Present	Not Present	No action required		
Leadbeater's Possum habitat within 500m (Modelled/Zone1A)	Modelled Leadbeater's Possum habitat	Not Present	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		
Rainforest in coupe	None found	0.00	0.00	No action required		
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	None found	0.00	0.00	No action required		
Reference Area within 500m of coupe	Reference area	Not Present	Not Present	No action required		
Spotted Tree Frog catchment in coupe		Present	Present	Western section (W side of fire break) of coupe located within greater Tapong STF catchment, but not within 1km 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.	No stream crossings are required as a part of this operation.



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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 catchment within 500m		Present	Present	Western section (W side of fire break) of coupe located within greater Tapong STF catchment, but not within 1km 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.	No stream crossings are required as a part of this operation.
Spotted Tree Frog in coupe	* None found *	Not Present	Not Present	No action required		
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	* None found *	0.00	0.00	No action required		
Threatened fauna site in coupe	* None found *	Not Present	Not Present	No action required		
Threatened fauna site within 500m of coupe	* None found *	Not Present	Not Present	No action required		
Threatened flora site within 500m of coupe	* None found *	Not Present	Not Present	No action required		
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 colony is protected by a 200m buffer in SPZ 318/12. 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 or associated activities will occur within the SPZ.	LBP Colony SPZ has been excluded from harvest area. Senior Forester has approved coupe boundary adjacent to SPZ boundary. No further action required.

Harvest Unit 318-512-0025-A - Macaroon
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	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 Greater Glider Conservation Strategy prescriptions. Prioritise the largest, live, hollow-bearing trees for habitat retention.	Two detections have been made to the west of the Macaroon coupe, due to the detection location and the amount, being two, the Greater Glider retention strategy does not need to be implemented. As an outcome of retention in the coupe, including an island, code restrictions (including exclusion of areas of slope over 30 degrees), and the exclusion of the Leadbeaters Possum SPZ area, overall retention inside the coupe will be over 40%. Overall retention inside the Macaroon coupe is 82%. This retention level exceeds the Greater Glider retention requirement of 40% pre-harvest basal area.
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 gross coupe boundary.	LBP colony is protected by a 200m buffer in SPZ 318/12. 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 or associated activities will occur within the SPZ.	LBP Colony SPZ has been excluded from harvest area. Senior Forester has approved coupe boundary adjacent to SPZ boundary. No further action required.
VF Large Trees in Coupe	None found	Not Present	Not Present	No action required		
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	* None found	0.00	0.00	No action required		
Aboriginal Cultural Sensitivity Area within 500m	Watercourse	1.68	1.68	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 required.	
Historic areas in coupe	* None found *	Not Present	Not Present	No action required		



Harvest Unit 318-512-0025-A - Macaroon
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 areas within 500m	* None found *	Not Present	Not Present	No action required		
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)	WARBURTON_WOODS_POINT_ROAD Foreground	6.52	6.52	Coupe overlay has identified 6.52ha of the coupe is within Foreground distance of Warburton-Woods Point Road and is potentially visible.	50m buffer to be applied to the Warburton-Woods Point Road in accordance with the zoning management actions in the DELWP Management Standards and Procedures.	No harvesting to occur in 50m buffer area. Added to the buffer on Warburton-Woods Point Road, a 20m buffer has been placed on the un-named track that runs adjacent to the coupe. Road construction and coupe access activities can only occur in these buffer areas.
Landscape Issues in coupe	Special Management Zone	3.13	3.13	Special Management Zone (SMZ) 457/01 located within gross coupe boundary. The SMZ value is Landscape (Warburton - Woods Point Road). There is an approved DELWP SMZ plan for Warburton-Woods Point Rd SMZ.	SMZ will be confirmed and marked in the field using GPS. No harvesting will occur in SMZ in accordance with the approved DELWP SMZ plan.	No harvesting will occur in SMZ in accordance with the approved DELWP SMZ plan. Road construction and coupe access activities only to occur in the SMZ area.
Middleground issues (500m-6.5k)	* None found *	0.00	0.00	No action required		
Other landscape issues	[n/a]	[n/a]				
Outer issues (6.5k - 12km)	* None found *	0.00	0.00	No action required		



Harvest Unit 318-512-0025-A - Macaroon
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	Present	Present	VicForests managed Permanent Growth Plot PGP25 identified during overlay process within 500m of the coupe boundary.	Permanent Growth Plot not within or adjacent to coupe boundary and will not be affected by harvesting. No further 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	Blackberry	[n/a]	Isolated	Some Blackberries were noticed along the 4wd track which follows the fire break.	Where possible, minimise the spread within the coupe by avoiding machine movement through infested areas. Direct contractor to wash down machinery prior to departure from the coupe, following washdown directions and procedures as outlined in VicForests Utilisation Procedures.	Contractor is to wash down machines prior to departing coupe as per directions and procedures outlined in VicForests Utilisation Procedures. Where blackberry infestations are identified in the harvest area, DELWP will be notified for treatment and spraying.

End of Forest Operations Coupe Plan Section 4



Harvest Unit 318-512-0025-A - Macaroon
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 318-512-0025-A - Macaroon
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 318-512-0025-A - Macaroon
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