

LAKES ENTRANCE - CASEY CREEK (Operation 1)

Proposed

PP GREEN

RP GREEN



Fuel Treatment Attributes

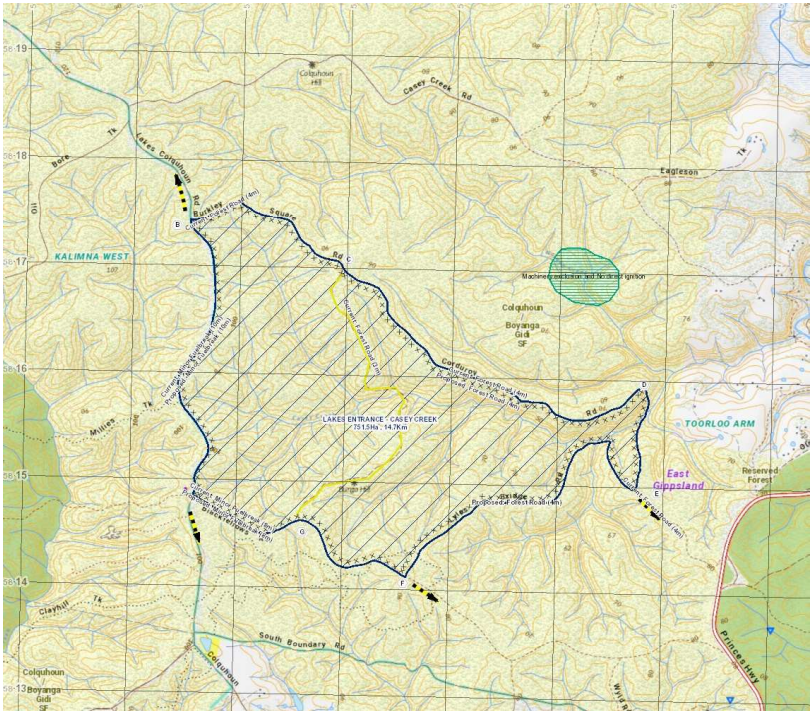
Treatment Number	Control Agency	Location
GP-TBO-NOW-0015	DELWP	9KM N LAKES ENTRANCE
MGRS	Total Hectares (ha)	Perimeter (km)
EU871156	751.55	14.71
Type	Indicative Year	Nomination Source
Fuel Reduction	2020/2021	DELWP
Work Centre	LGA	Charge Code
Nowa Nowa	EAST GIPPSLAND SHIRE	4020.4610.18107.39620.2003
Program Priority	Resource Priority	Planned Burn Operation Officer
GREEN	Normal	

Land Manager

DELWP	745.39 ha
Private Property	6.16 ha
Primary Private Land Use	-

Fire Management Zone

Landscape Management Zone	751.55 ha
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Objectives

Land Management Objective

Primary: To provide bushfire protection by reducing overall fuel hazard and bushfire hazard in the landscape.
Secondary: -

Fuel Treatment Objective

To achieve an Overall Fuel Hazard of Moderate or Low over 60% to 70% of the planned area.

Fuels and Prescriptions

Vegetation Type
Gippsland - Low intensity (mixed species)

Prescription

Day 1 FDI (max)	Temperature (°C)	Relative Humidity (%)	KBDI
≤10	≤27	≥35	≤100
Wind Speed at 10m (km/h)	Wind Speed at 15m (km/h)	FFMC - Surface Inside (%)	FFMC - Gully Control (%)

wind Speed at 10m (km/h)	wind Speed at 1.5m (km/h)	FFMC - Surface Inside (%)	FFMC - Gully Control (%)	
≤20	≤15	12-18	≥40	
Ecological Vegetation Class				
Lowland Forest		626.12 ha	83.3%	
Limestone Box Forest		89.23 ha	11.9%	
Damp Forest		36.20 ha	4.8%	
Fuel Hazard				
Bark	Elevated	Near-Surface	Surface	Overall Fuel Hazard
Very High	Extreme	Very High	High	Extreme
Fire History				
2012 - BURN		0.00 ha	0.0%	
2011 - BURN		0.00 ha	0.0%	
2007 - BURN		0.03 ha	0.0%	
2005 - BURN		3.84 ha	0.5%	
2004 - BURN		3.84 ha	0.5%	
2000 - BURN		0.03 ha	0.0%	
1997 - BURN		0.01 ha	0.0%	
1996 - BURN		219.96 ha	29.3%	
1990 - BURN		0.36 ha	0.0%	
1984 - BURN		0.03 ha	0.0%	
1981 - BUSHFIRE		0.36 ha	0.0%	
1976 - BURN		51.32 ha	6.8%	
1972 - BURN		1.37 ha	0.2%	
1968 - BURN		1.47 ha	0.2%	
1967 - BURN		64.88 ha	8.6%	
1966 - BUSHFIRE		677.99 ha	90.2%	
1965 - BUSHFIRE		8.33 ha	1.1%	

Consents

No data exists.

Permits

Permit Type	Reference	Issuer	Permit Expiry	Status
VicRoads MOA	[REDACTED]	VicRoads	30/09/2021	Issued
Special Considerations				
VicRoads MOA	-	VicRoads	30/09/2019	Expired
Special Considerations				
Expires 30 Sept 2019. 2019/20 MoA pending.				

Values

Aboriginal Cultural Heritage

Review complete - no values identified

03/07/2020 [REDACTED] Refer to Attachment

[REDACTED] - 25/1/2021 - Contingency zone checked, refer to QuickBase record.

Last updated 25 Jan 2021, [REDACTED]

Biodiversity

Review complete - values identified

13/5/20 [REDACTED] - Have spoken with [REDACTED] there are a number of orchids sites along Blackfellows Road which is the southern boundary. These sites require no mechanical disturbance.

31/7/20 [REDACTED] - Heath Spider Orchid sites were not identified through values checking process however District has mapped them in eMap and on Operational maps

28/01/21 [REDACTED] - Note Machinery Exclusion Zone in Contingency Area, also avoid ignition in this area. There is a highly sensitive fauna site within this polygon that is very susceptible to disturbance.

Significant Values

Heath Spider Orchid - Blackfellows Road

Last updated 28 Jan 2021, [REDACTED]

Crown Land Management

Review complete - values identified

Two apiary sites [REDACTED] & [REDACTED] are located within the burn area.
Numerous apiary site buffer zones overlap the burn area.

Refer to LPA checks within spreadsheet 1_2020-21 Tambo Burn Planning Tracking Sheet for up to date information on occupancy, located on L:/ Department Business Share / _Regions / GIPPSLAND_ / 5 TAMBO District / Forest Fuel Management / Burn Planning.

Significant Values

Apiary sites and buffer

Last updated 27 Jul 2020, [REDACTED]

Land Stewardship

Review complete - no values identified

Last updated 24 Jun 2019, Burns & Works

Parks Victoria (Land Management)

Review complete - no values identified

Last updated 28 Jul 2020, [REDACTED]

VicForests

Review complete - values identified

Seven VicForests TRP coupes present, not scheduled. Consultation required at tactical planning stage to identify any change to coupe schedules. 25/07/2018

[REDACTED] 03/08/20 - The coupes Sea View 801-511-0009 and Lake Side 801-511-0010 are within GP-TBO-NOW_0015 Lakes Entrance Casey Creek, scheduled for Autumn 2021 and also GP-TBO-NOW-0232 WKS Tambo 2019-20, which is verge woks.

[REDACTED] 06/08/20 - Response from [REDACTED] VF, Swifts Creek

Sea View will be finished harvesting in the next couple of weeks and will have a fire trail around it.

Whether we include it in the burn will depend on regeneration vs fuel load, but we can discuss that closer to the time.

Lake Side is currently postponed indefinitely and hasn't been excluded for that reason.

Significant Values

VF Coupe

Last updated 06 Aug 2020, [REDACTED]

Operational Feasibility

Result: Operationally Feasible

Completed
By: [REDACTED]

Completed
Date: 20/11/2019

Burn Complexity

Self Assessed Complexity:

Simple (Level 1)

Calculated Complexity:

-

Questionnaire

1	Safety	-
2	Fuels - Bark hazard	-
3	Fuels - variability	-
4	Fuels - coverage	-
5	Fuels - external	-
6	Topography	-
7	Values	-
8	Ignition	-
9	Control lines	-
10	Asset vulnerability	-
11	Season	-
12	Stakeholders	-
13	Smoke	-
14	Cross-tenure	-

Tactical Lines

Perimeter Control Line

A - B Lakes Colquhoun Rd (Western Boundary)

 2.86 km

 Maintenance of existing feature - Minor Fuelbreak - Permanent

Prep Work	Rehab Required
Not Required	No
Haz Tree Assessment	Haz Tree Treatment
	Not Required

B - C Burkley Square Rd (Northern Boundary)

 1.68 km

 Maintenance of existing feature - Forest Road - Permanent

Prep Work	Rehab Required
Not Required	No
Haz Tree Assessment	Haz Tree Treatment
	Not Required

C - D Corduroy Rd (North East Boundary)

 3.46 km

 Maintenance of existing feature - Forest Road - Permanent

Prep Work	Rehab Required
Not Required	No
Haz Tree Assessment	Haz Tree Treatment
	Not Required

D - E Corduroy Rd (Eastern Boundary)

 0.92 km

 Maintenance of existing feature - Forest Road - Permanent

Prep Work	Rehab Required
Not Required	No
Haz Tree Assessment	Haz Tree Treatment

Not Required

E - F Lyles Bridge Rd (South East Boundary)

 3.12 km  Maintenance of existing feature - Forest Road - Permanent

Prep Work	Rehab Required
Not Required	No
Haz Tree Assessment	Haz Tree Treatment
	Not Required

F - G Blackfellows Rd (Southern Boundary)

 1.24 km  Maintenance of existing feature - Minor Fuelbreak - Permanent

Prep Work	Rehab Required
Not Required	No
Haz Tree Assessment	Haz Tree Treatment
	Not Required

G - A Blackfellows Rd (South West Boundary)

 1.06 km  Maintenance of existing feature - Minor Fuelbreak - Permanent

Prep Work	Rehab Required
Not Required	No
Haz Tree Assessment	Haz Tree Treatment
	Not Required

Internal Access Line

C - G Burkley Square Rd (Internal Access Track)

 3.33 km  Maintenance of existing feature - Forest Road - Permanent

Prep Work	Rehab Required
Not Required	No
Haz Tree Assessment	Haz Tree Treatment
	Not Required

Pre-Ignition Tasks

Indicative Ignition Plan

This operation has been planned for 2 Ignition Day(s) and 3 Patrol Day(s)

Area to be treated (ha per day)

Remaining hectares 0.00

Day 1 - Ignition	Day 2 - Ignition	Patrol Days
300 ha	451.55 ha	751.55 ha

Preferred wind directions for ignition are SW, SE, E

Day 1

Sequence	 10:00 - 14:00
1	

Type	Method
Perimeter	Handheld Drip Torch
Technique	Pattern
Backing	Spot Grid

Ignition Description

Lighting Crew 1 Start Spot ignition every 20m from point A heading in a Easterly direction to point G, Then continue on to point F.
Lighting Crew 2 Start Spot ignition every 20m from point D heading in a Westerly direction to point C, Ensuring good depth due to slope and heavy fuels, Crews to avoid direct ignition in gullies and maintain active patrol while securing edge.

Sequence  14:00 – 18:00
2

Type	Method
Perimeter	Handheld Drip Torch
Technique	Pattern
Backing	Spot Grid

Ignition Description
Lighting Crew 1 Start Spot ignition every 20m from point F heading in a Northeast direction to point E then continue on to point D.
Lighting Crew 2 Start Spot ignition every 20m from point C heading in a Westerly direction to point B, then continue South to point A. Crews to avoid direct ignition in gullies and maintain active patrol while securing edge before clos of shift.

Day 2
Sequence  10:00 – 14:00
3

Type	Method
Internal	Aerial Incendiary Machine
Technique	Pattern
Backing	Spot Grid

Ignition Description
Crew to Deal with hazard trees and ensure adequate depth around perimeter. Once Aerial Incendiary Machine (AI) on site, all crew to go strategic locations around perimeter. AI to target spur lines internally.
Crew to maintain active patrol ensuring edge is secure.

Note: This ignition plan is indicative only - detailed ignition instructions will be provided by the Planned Burn Operations Officer on the day of delivery and will be adjusted as required to meet weather and fuel conditions.

Safety

Site specific safety considerations
Lakes Colquhoun Road is a well used road partically by the transport industry. Dynamic risk assessment while working along this section of road.

Escape Routes

Escape Route (East)	Pre Season Prep Works Not Required	Rehab Required No
Escape Route (North)	Pre Season Prep Works Not Required	Rehab Required No
Escape Route (South East)	Pre Season Prep Works Not Required	Rehab Required No
Escape Route (South)	Pre Season Prep Works Not Required	Rehab Required No

Resource Estimate

Total resource overview

 Personnel (days 1 and 2)	Day 1 - Ignition				Day 2 - Ignition			
	Day	Swing	Night	Total	Day	Swing	Night	Total
Crew Member - Firefighter	20	6	-	26	20	6	-	26
Plant Operator - Tanker (Endorsed)	2	-	-	2	2	-	-	2
Planned Burn Operation Officer	1	-	-	1	1	-	-	1
Plant Operator - Dozer D4	2	-	-	2	2	-	-	2
Incendiary Bombardier	-	-	-	-	1	-	-	1
Incendiary Operations Supervisor	-	-	-	-	1	-	-	1

👤 Personnel (days 3 and 4)

	Day 3 - Patrol				Day 4 - Patrol			
	Day	Swing	Night	Total	Day	Swing	Night	Total
Crew Member - Firefighter	8	-	-	8	8	-	-	8
Plant Operator - Tanker (Endorsed)	2	-	-	2	2	-	-	2
Planned Burn Operation Officer	1	-	-	1	1	-	-	1
Plant Operator - Dozer D4	2	-	-	2	-	-	-	-
Incendiary Bombardier	-	-	-	-	-	-	-	-
Incendiary Operations Supervisor	-	-	-	-	-	-	-	-

👤 Personnel (day 5)

	Day 5 - Patrol			
	Day	Swing	Night	Total
Crew Member - Firefighter	4	-	-	4
Plant Operator - Tanker (Endorsed)	-	-	-	-
Planned Burn Operation Officer	-	-	-	-
Plant Operator - Dozer D4	-	-	-	-
Incendiary Bombardier	-	-	-	-
Incendiary Operations Supervisor	-	-	-	-

🚒 Plant and equipment (days 1 and 2)

	Day 1 - Ignition			Day 2 - Ignition		
	Day	Swing	Night	Day	Swing	Night
Tanker - Ultralight	10	3	-	10	3	-
Tanker - Heavy	1	-	-	1	-	-
Vehicle - Command / Ops(FCV)	1	-	-	1	-	-
Dozer - D4	1	-	-	1	-	-
Aerial Incendiary Machine	-	-	-	1	-	-
Helicopter Type 3	-	-	-	1	-	-

🚒 Plant and equipment (days 3 and 4)

	Day 3 - Patrol			Day 4 - Patrol		
	Day	Swing	Night	Day	Swing	Night
Tanker - Ultralight	4	-	-	4	-	-
Tanker - Heavy	1	-	-	1	-	-
Vehicle - Command / Ops(FCV)	1	-	-	1	-	-
Dozer - D4	1	-	-	-	-	-
Aerial Incendiary Machine	-	-	-	-	-	-
Helicopter Type 3	-	-	-	-	-	-

🚒 Plant and equipment (day 5)

	Day 5 - Patrol		
	Day	Swing	Night
Tanker - Ultralight	2	-	-
Tanker - Heavy	-	-	-
Vehicle - Command / Ops(FCV)	-	-	-
Dozer - D4	-	-	-
Aerial Incendiary Machine	-	-	-
Helicopter Type 3	-	-	-