

1000	28	8	28	N 35 55	NNW 55	25	17
1300	33	6	19	NNW 40 65	NNW 65	45	31
1600	34	5	16	NNW 35 55	NNW 45	46	26
1900	32	8	23	NNW 30 50	NNW 45	30	16

AGL-Above Ground Level, RH-Relative Humidity, Dir-Direction, Dewpt-Dew Point

- For fire fighter and public safety make regular on-site weather observations.

- For planned burns: Contact the meteorologist at the State Control Centre on [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist with forecast verification.

- For wildfires and Hazmats: Contact the meteorologist at the Regional Forecast Centre on [REDACTED] [REDACTED] [REDACTED] or [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist in forecast verification.

2 metre wind (km/h)*	5	10	15	20	25	30	40	50	60
10 metre wind (km/h)**	8	17	25	33	42	50	67	83	100
Beaufort Number	2	3	4	5	6	7	8	9	10

*wind measured in cleared area

**use 10m wind for calculation of FFDI and GFDI*

Document 107

06:25 25/12/2015 102174608 CGFTP=06:25 GFEPD=06:25 CGWEB=06:25

AIFS_ID=31760 PROD CGFTP GFEPD CGWEB

IDV31760
 Australian Government Bureau of Meteorology
 Victoria

Spot Fire Weather Forecast for Lorne-Jamieson Track
 Issued at 6:25 am EDT on Friday 25 December 2015.

Incident Type: Wildfire
 Spot Forecast Location: 8km SW of Lorne
 Latitude/Longitude: -38.5871 143.8854
 Elevation (metres ASL): 270
 Fuel Type: Forest
 Website Form No: 009
 Request No: 9
 Fax Number:
 Contact Ph: [REDACTED]
 Contact Name: [REDACTED] [REDACTED] [REDACTED]

OBSERVED CONDITIONS at Vic N

Local Time	Temp (C)	Dewpt (C)	RH (%)	Wind(km/h) Dir	Speed	Gust
0620hrs	24.3	4.9	29	350	41	46

WEATHER FORECAST starting 0700 hours Friday 25 December 2015
 Dry and clear conditions conditions for most of the day with fresh to strong and gusty northerly winds. A SW wind change expected this evening around 2000hrs. Cloud cover increasing with and following change with rain to follow

overnight, beginning around midnight with about 10mm expected. Mixing height around 500m AGL at first this morning, rising to reach 3500m AGL by late afternoon then decreasing following the SW change to 200m AGL, then gradually rising to about 100m AGL by 0700hrs Sat.

Assumptions and uncertainties associated with the forecast

1. This forecast assumes that the fire site is situated near the ridge top with a north-northwest aspect and higher elevation topography to the west through to north and consequently, conditions are biased towards this assumption.
2. Local variation in topography may lead to sporadic and variable deviations in the wind throughout the forecast period.
3. The wind change may slow and arrive up to 1 hour earlier or 2 hours later than forecast. Winds following the change could be 10 to 20 km/h stronger than forecast.
4. Slight chance of thunderstorms tonight following change - should this occur, winds may become variable in direction and gusts may reach 90 km/hr in or near thunderstorms.

24 HOUR FORECAST

DROUGHT factor: 9 CURING value(%): 85

Local Time	Temp (C)	Dewpt (C)	RH (%)	10m Wind (km/h)		1000m AGL Wind(km/h)		FFDI	GFDI
				Dir	Speed	Dir	Speed		
0700	25	5	28	N 40	55	NNW 50	25	20	
1000	29	5	22	N 45	65	NNW 55	40	33	
1300	33	5	17	NNW 40	65	NNW 55	48	33	
1600	34	5	16	N 40	55	NNW 50	52	34	
1900	32	7	21	NNW 35	55	NNW 45	36	22	
2200	26	13	45	SW 20	30	N 55	9	5	
0100	22	13	57	WSW 20	35	WNW 20	5	3	
0400	15	12	82	WSW 30	50	WNW 35	2	4	
0700	12	10	88	WSW 30	50	WSW 65	2	3	

AGL-Above Ground Level, RH-Relative Humidity, Dir-Direction, Dewpt-Dew Point

- For fire fighter and public safety make regular on-site weather observations.
- For planned burns: Contact the meteorologist at the State Control Centre on [redacted] [redacted] [redacted]. Weather observations can be faxed to [redacted] [redacted] [redacted] or sent via email to [redacted] to assist with forecast verification.
- For wildfires and Hazmats: Contact the meteorologist at the Regional Forecast Centre on [redacted] [redacted] [redacted] or [redacted] [redacted] [redacted]. Weather observations can be faxed to [redacted] [redacted] [redacted] or sent via email to [redacted] to assist in forecast verification.

2 metre wind (km/h)*	5	10	15	20	25	30	40	50	60
10 metre wind (km/h)**	8	17	25	33	42	50	67	83	100
Beaufort Number	2	3	4	5	6	7	8	9	10

*wind measured in cleared area

**use 10m wind for calculation of FFDI and GFDI*

IDV31760

Australian Government Bureau of Meteorology
Victoria

Spot Fire Weather Forecast for Lorne-Jamieson Track
Issued at 4:45 am EDT on Saturday 26 December 2015.

Incident Type: Wildfire

Spot Forecast Location: 8km SW of Lorne

Latitude/Longitude: -38.5871 143.8854

Elevation (metres ASL): 270

Fuel Type: Forest

Website Form No: 009

Request No: 11

Fax Number:

Contact Ph: [REDACTED]

Contact Name: [REDACTED]

WEATHER FORECAST starting 0700 hours Saturday 26 December 2015

Rain with a possible thunderstorm at first. At 0430hrs Cape Otway has recorded 16mm and 2mm at Aireys Inlet. Totals of 10-20mm are looking likely and may even reach 30mm.

Rain clearing abruptly later this morning but intermittent showers are expected for the remainder of the day.

Fresh to strong southwesterly winds, moderating overnight. Mixing heights initially around 1000m AGL, increasing to reach 2200m AGL during the afternoon, decreasing slightly at night but remaining well mixed.

Assumptions and uncertainties associated with the forecast

1. This forecast assumes that the fire site is situated near the ridge top with a north-northwest aspect and higher elevation topography to the west through to north and consequently, conditions are biased towards this assumption.
2. Local topography may lead to sporadic and variable deviations in the wind throughout the forecast period. Furthermore, given the size of the fire and terrain, the prevailing southwesterly winds may arrive at the eastern-most sectors of the fire as a south to southeasterly, particularly during the afternoon.
3. Local topography may impact rainfall totals with lower rainfall totals possible on the lee side. Locally higher falls are possible with thunderstorm activity this morning.
4. Extensive low cloud and poor visibility are likely with the rain band but conditions should improve rapidly once the rain clears.
5. Showers and thunderstorms may generate intermittent squally conditions with variable wind direction and stronger gusts. Wind gusts to around 80-90km/h have been recorded this morning at Aireys Inlet and remain a possibility throughout daylight hours.

24 HOUR FORECAST

DROUGHT factor: 9

CURING value(%): 85

Local Time	Temp (C)	Dewpt (C)	RH (%)	10m Wind (km/h)	1000m AGL Wind(km/h)	FFDI	GFDI
				Dir Speed Gust	Dir Speed		
0700	13	12	94	SW 35 60	WSW 60	2	4
1000	15	10	72	SW 35 60	WSW 55	4	6
1300	18	9	56	SW 40 65	SW 50	8	10
1600	16	7	55	SSW 45 70	SW 45	8	13
1900	15	6	55	SW 40 65	SW 45	7	10
2200	13	5	58	SW 35 55	SW 40	5	7

0100	12	4	58	SSW 30 50	SSW 40	5	5
0400	12	4	58	SW 25 40	SSW 35	4	4
0700	12	4	58	SW 20 30	SSW 30	4	3

AGL-Above Ground Level, RH-Relative Humidity, Dir-Direction, Dewpt-Dew Point

- For fire fighter and public safety make regular on-site weather observations.

- For planned burns: Contact the meteorologist at the State Control Centre on [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist with forecast verification.

- For wildfires and Hazmats: Contact the meteorologist at the Regional Forecast Centre on [REDACTED] [REDACTED] [REDACTED] or [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist in forecast verification.

2 metre wind (km/h)*	5	10	15	20	25	30	40	50	60
10 metre wind (km/h)**	8	17	25	33	42	50	67	83	100
Beaufort Number	2	3	4	5	6	7	8	9	10

*wind measured in cleared area

**use 10m wind for calculation of FFDI and GFDI*

Document 109

04:25 27/12/2015 101838047 CGFTP=04:25 GFEPD=04:25 CGWEB=04:25

AIFS_ID=31760 PROD CGFTP GFEPD CGWEB

IDV31760

Australian Government Bureau of Meteorology
Victoria

Spot Fire Weather Forecast for Lorne-Jamieson Track

Issued at 4:25 am EDT on Sunday 27 December 2015.

Incident Type: Wildfire

Spot Forecast Location: 8km SW of Lorne

Latitude/Longitude: -38.5871 143.8854

Elevation (metres ASL): 270

Fuel Type: Forest

Website Form No: 009

Request No: 12

Fax Number:

Contact Ph: [REDACTED]

Contact Name: [REDACTED] [REDACTED] [REDACTED]

WEATHER FORECAST starting 0700 hours Sunday 27 December 2015

Partly cloudy with a passing shower or two (less than 1mm) this morning and early afternoon. Light to moderate south to southwesterly winds tending south to southeasterly during the afternoon. Mixing heights initially around 1800m AGL, increasing to reach 2200m AGL during the afternoon, decreasing to around 1000m AGL at night. A weak near-surface inversion possibly forming over sheltered areas overnight.

Assumptions and uncertainties associated with the forecast

1. This forecast assumes that the fire site is situated near the ridge top with a north-northwest aspect and higher elevation topography to the west through to

- north and consequently, conditions are biased towards this assumption.
2. Local topography may lead to sporadic and variable deviations in the wind throughout the forecast period. Also, given the size of the fire and terrain, the southwesterly winds may arrive at parts of the fire as a south to southeasterly.
 3. Low cloud and brief periods of poor visibility are possible with showers.
 4. Showers may produce stronger wind gusts than indicated.

24 HOUR FORECAST

DROUGHT factor: 4 CURING value(%): 85

Local Time	Temp (C)	Dewpt (C)	RH (%)	10m Wind (km/h) Dir Speed Gust	1000m AGL Wind(km/h) Dir Speed	FFDI	GFDI
0700	11	6	71	SW 20 30	SSW 30	1	2
1000	15	6	55	SW 20 30	SSW 25	2	3
1300	17	6	48	SSW 25 35	SW 20	3	5
1600	17	6	48	SSE 30 40	SW 25	3	7
1900	16	7	55	SSE 25 35	WSW 25	2	4
2200	14	8	67	S 20 30	SSW 15	1	2
0100	12	8	76	S 15 25	S 15	1	1
0400	11	8	82	S 10 15	SSW 10	1	1
0700	12	8	76	S 10 15	SSW 15	1	1

AGL-Above Ground Level, RH-Relative Humidity, Dir-Direction, Dewpt-Dew Point

- For fire fighter and public safety make regular on-site weather observations.

- For planned burns: Contact the meteorologist at the State Control Centre on [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist with forecast verification.

- For wildfires and Hazmats: Contact the meteorologist at the Regional Forecast Centre on [REDACTED] [REDACTED] [REDACTED] or [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist in forecast verification.

2 metre wind (km/h)*	5	10	15	20	25	30	40	50	60
10 metre wind (km/h)**	8	17	25	33	42	50	67	83	100
Beaufort Number	2	3	4	5	6	7	8	9	10

*wind measured in cleared area

**use 10m wind for calculation of FFDI and GFDI*

Document 110

04:20 28/12/2015 103729728 CGFTP=04:20 GFEPD=04:20 CGWEB=04:20

AIFS_ID=31760 PROD CGFTP GFEPD CGWEB

IDV31760
 Australian Government Bureau of Meteorology
 Victoria

Spot Fire Weather Forecast for Lorne-Jamieson Track
 Issued at 4:19 am EDT on Monday 28 December 2015.

Incident Type: Wildfire
 Spot Forecast Location: 8km SW of Lorne

Latitude/Longitude: -38.5871 143.8854

Elevation (metres ASL): 270

Fuel Type: Forest

Website Form No: 009

Request No: 13

Fax Number:

Contact Ph: [REDACTED]

Contact Name: [REDACTED]

WEATHER FORECAST starting 0700 hours Monday 28 December 2015

Fine and partly cloudy. Light to moderate south to southeasterly winds, fresh at times during the afternoon with seabreezes. Mixing heights initially a few hundred metres AGL under a shallow inversion, increasing to 1000-1500m during the afternoon, decreasing to 500-1000m at night, possibly lower with a night-time inversion.

Assumptions and uncertainties associated with the forecast

1. This forecast is biased towards a ridge top location, with higher topography to the northwest. Winds could be lighter than indicated in valleys, however southeasterlies could funnel up the valleys and be 5-10km/h stronger during the afternoon.

24 HOUR FORECAST

DROUGHT factor: 5

CURING value(%): 85

Local Time	Temp (C)	Dewpt (C)	RH (%)	10m Wind (km/h)			1000m AGL Wind(km/h)		FFDI	GFDI
				Dir	Speed	Gust	Dir	Speed		
0700	12	8	76	SSW	10	20	S 10	1	1	
1000	16	7	55	SSE	10	20	S 10	2	1	
1300	19	6	43	SE	15	25	SSW 10	4	3	
1600	19	6	43	SE	20	35	WSW 15	4	4	
1900	17	8	55	SSE	20	35	WSW 15	3	3	
2200	15	10	72	SSE	15	20	SW 15	1	2	
0100	13	10	82	SSE	5	10	SSW 5	1	0	
0400	11	10	94	S	5	10	SSW 5	0	0	
0700	12	11	94	SSW	5	10	WSW 5	0	0	

AGL-Above Ground Level, RH-Relative Humidity, Dir-Direction, Dewpt-Dew Point

- For fire fighter and public safety make regular on-site weather observations.

- For planned burns: Contact the meteorologist at the State Control Centre on [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist with forecast verification.

- For wildfires and Hazmats: Contact the meteorologist at the Regional Forecast Centre on [REDACTED] [REDACTED] [REDACTED] or [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist in forecast verification.

2 metre wind (km/h)*	5	10	15	20	25	30	40	50	60
10 metre wind (km/h)**	8	17	25	33	42	50	67	83	100
Beaufort Number	2	3	4	5	6	7	8	9	10

*wind measured in cleared area

**use 10m wind for calculation of FFDI and GFDI*

Document 111

05:06 29/12/2015 101690090 CGFTP=05:06 GFEPROD=05:06 CGWEB=05:06

AIFS_ID=31760 PROD CGFTP GFEPROD CGWEB

IDV31760

Australian Government Bureau of Meteorology
Victoria

Spot Fire Weather Forecast for Lorne-Jamieson Track
Issued at 5:06 am EDT on Tuesday 29 December 2015.

Incident Type: Wildfire

Spot Forecast Location: 8km SW of Lorne

Latitude/Longitude: -38.5871 143.8854

Elevation (metres ASL): 270

Fuel Type: Forest

Website Form No: 009

Request No: 14

Fax Number: [REDACTED]

Contact Ph: [REDACTED]

Contact Name: [REDACTED]

WEATHER FORECAST starting 0700 hours Tuesday 29 December 2015

Mild and sunny with generally light east to southeasterly winds, possibly fresher at times during the afternoon as seabreezes develop. Winds tending northeasterly overnight and increasing slightly by morning as an inversion lowers. Mixing heights initially a few hundred metres AGL underneath an inversion, increasing to only around 500m AGL during the afternoon as the onshore flow prevents deeper mixing. Mixing height lowering to less than a few hundred metres again tonight as a surface inversion develops.

Assumptions and uncertainties associated with the forecast

1. This forecast is biased towards a ridge top location, with higher topography to the northwest. Winds could be lighter than indicated in valleys, however southeasterlies could funnel up the valleys and be 5-10km/h stronger during the afternoon.
2. Northeasterly winds about ridges may early tomorrow morning may increase around 10km/h more than indicated below as the inversion lowers, trapping and accelerating the air underneath it. If this were to occur winds in valleys should remain light, however.
3. Some shallow mist or fog is possible tomorrow morning, particularly in valleys. Conversely ridges could become drier and warmer than forecast early tomorrow morning should the nocturnal inversion lower below ridge top.

24 HOUR FORECAST

DROUGHT factor: 7

CURING value(%): 90

Local Time	Temp (C)	Dewpt (C)	RH (%)	10m Wind (km/h)	1000m AGL Wind(km/h)	FFDI	GFDI
				Dir Speed Gust	Dir Speed		
0700	12	10	88	ESE 10 15	SW 5	1	1
1000	17	10	63	SE 10 20	WSW 5	2	2
1300	21	10	49	SE 15 25	W 15	5	3
1600	22	10	46	SE 20 30	W 20	6	5
1900	20	10	53	ESE 15 25	W 20	4	3
2200	16	10	68	E 10 15	W 20	2	1
0100	14	11	82	NE 10 20	SW 5	1	1
0400	13	11	88	NE 10 20	NW 5	1	1
0700	13	12	94	NE 10 20	WNW 20	1	1

AGL-Above Ground Level, RH-Relative Humidity, Dir-Direction, Dewpt-Dew Point

- For fire fighter and public safety make regular on-site weather observations.

- For planned burns: Contact the meteorologist at the State Control Centre on [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist with forecast verification.

- For wildfires and Hazmats: Contact the meteorologist at the Regional Forecast Centre on [REDACTED] [REDACTED] [REDACTED] or [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist in forecast verification.

2 metre wind (km/h)*	5	10	15	20	25	30	40	50	60
10 metre wind (km/h)**	8	17	25	33	42	50	67	83	100
Beaufort Number	2	3	4	5	6	7	8	9	10

*wind measured in cleared area

**use 10m wind for calculation of FFDI and GFDI*

Document 112

05:13 30/12/2015 103596811 CGFTP=05:13 GFEPROD=05:13 CGWEB=05:13

AIFS_ID=31760 PROD CGFTP GFEPROD CGWEB

IDV31760

Australian Government Bureau of Meteorology
Victoria

Spot Fire Weather Forecast for Lorne-Jamieson Track
Issued at 5:13 am EDT on Wednesday 30 December 2015.

Incident Type: Wildfire

Spot Forecast Location: 8km SW of Lorne

Latitude/Longitude: -38.5871 143.8854

Elevation (metres ASL): 200

Fuel Type: Forest

Website Form No: 009

Request No: 16

Fax Number: [REDACTED]

Contact Ph: [REDACTED]

Contact Name: [REDACTED] [REDACTED] [REDACTED]

WEATHER FORECAST starting 0700 hours Wednesday 30 December 2015

Fine and sunny. Warmer today with a light to moderate north to northeasterly wind slowly turning east to southeasterly during the afternoon. Northerly wind redeveloping at night then wind increasing Thursday morning. Mixing height initially a few hundred metres AGL increasing to only around 3000m AGL during the afternoon before lowering to less than a few hundred metres again overnight.

Assumptions and uncertainties associated with the forecast

1. This forecast assumes the afternoon seabreeze will not be a major factor regarding temperature and wind. If the seabreeze is stronger than the maximum temperature will be lower, RH will be higher and mixing depth will be significantly lower.

2. This forecast is biased towards a ridge top location, with higher topography to the northwest. Winds could be lighter than indicated in valleys, however

southeasterlies could funnel up the valleys and be 5-10km/h stronger during the afternoon.

3. Northeasterly winds about ridges early this morning may increase around 10km/h more than indicated below as the inversion lowers, trapping and accelerating the air underneath it. If this were to occur winds in valleys should remain light, however.

4. Some shallow mist or fog is possible this morning, particularly in valleys.

24 HOUR FORECAST

DROUGHT factor: 8

CURING value(%): 90

Local Time	Temp (C)	Dewpt (C)	RH (%)	10m Wind (km/h) Dir Speed Gust	1000m AGL Wind(km/h) Dir Speed	FFDI	GFDI
0700	13	12	94	NE 10 20	W 15	1	1
1000	19	9	52	NE 15 20	WNW 15	4	3
1300	27	7	28	NE 15 20	WNW 20	13	6
1600	30	8	25	E 15 30	NW 20	16	7
1900	27	11	37	E 15 25	NNW 15	10	5
2200	24	10	41	NE 15 20	N 20	8	4
0100	21	10	49	NNE 15 20	N 25	5	3
0400	19	12	64	NNW 15 25	NW 20	3	3
0700	20	11	56	NW 20 35	NW 30	5	4

AGL-Above Ground Level, RH-Relative Humidity, Dir-Direction, Dewpt-Dew Point

- For fire fighter and public safety make regular on-site weather observations.

- For planned burns: Contact the meteorologist at the State Control Centre on [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist with forecast verification.

- For wildfires and Hazmats: Contact the meteorologist at the Regional Forecast Centre on [REDACTED] [REDACTED] [REDACTED] or [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist in forecast verification.

2 metre wind (km/h)*	5	10	15	20	25	30	40	50	60
10 metre wind (km/h)**	8	17	25	33	42	50	67	83	100
Beaufort Number	2	3	4	5	6	7	8	9	10

*wind measured in cleared area

**use 10m wind for calculation of FFDI and GFDI*

Document 113

04:12 31/12/2015 101410550 CGFTP=04:12 GFEPROD=04:12 CGWEB=04:12

AIFS_ID=31760 PROD CGFTP GFEPROD CGWEB

IDV31760

Australian Government Bureau of Meteorology
Victoria

Spot Fire Weather Forecast for Lorne-Jamieson Track
Issued at 4:12 am EDT on Thursday 31 December 2015.

Incident Type: Wildfire

Spot Forecast Location: 8km SW of Lorne

Latitude/Longitude: -38.5871 143.8854

Elevation (metres ASL): 200

Fuel Type: Forest

Website Form No: 009

Request No: 17

Fax Number: [REDACTED]

Contact Ph: [REDACTED]

Contact Name: [REDACTED]

OBSERVED CONDITIONS at Portable VIC-E (Jamieson Track)

Local Time	Temp (C)	Dewpt (C)	RH (%)	Wind(km/h) Dir	Speed	Gust
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0400	24	4	27	N 2	4	
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WEATHER FORECAST starting 0700 hours Thursday 31 December 2015

Hot and mostly sunny. Fresh northwesterly winds at first underneath an inversion, easing a little from late morning or early afternoon as the atmosphere warms and mixes. A moderate southerly change arriving during the afternoon, possibly reaching the forecast site as a southeasterly due to the local topography. Latest guidance suggests the change should reach the site around 1400-1600 local time. Temperatures a little milder with the change however remaining dry. Generally light southerly winds overnight. Mixing height initially less than a few hundred metres AGL underneath an inversion, increasing to around 3500m AGL during the afternoon then lowering to less than 500m following the change. Mixing height then lowering to less than a few hundred metres overnight.

Assumptions and uncertainties associated with the forecast

1. This forecast is biased towards a ridge top location, with higher topography to the northwest. Winds will likely be lighter than indicated in valleys on average, although stronger ridge-top winds could still reach into the valleys at times from late morning through afternoon.
2. The change is expected to be predominantly south to southwesterly however local topography within the area will have an impact on this. At the forecast site the change may come into the valley as a southeasterly. Timing of the change could vary by an hour or two. Wind Change Forecast Maps will be issued this afternoon - check these for most up to date information.
3. N/NE'ly winds about ridges early this morning may increase around 10km/h more than indicated below as the inversion lowers, trapping and accelerating the air underneath it. If this were to occur winds in valleys should remain light, however.
4. Winds may briefly return north to northeasterly after midnight before returning to southerly early Friday morning.

24 HOUR FORECAST

DROUGHT factor: 8

CURING value(%): 90

Local Time	Temp (C)	Dewpt (C)	RH (%)	10m Wind (km/h) Dir	Speed	Gust	1000m AGL Wind(km/h) Dir	Speed	FFDI	GFDI
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0700	23	4	29	N 20	30		WNW 45		13	8
1000	28	1	17	NNW 25	40		WNW 45		26	16
1300	36	0	10	NW 25	45		WNW 40		43	25
1600	34	2	13	S 20	35		WNW 25		32	15
1900	26	5	26	SSW 20	35		SW 25		16	9
2200	23	10	44	SSW 15	25		SSW 20		7	4
0100	22	12	53	NW 15	20		SW 15		5	3
0400	18	12	68	WSW 20	30		NE 5		3	3
0700	17	13	77	SW 20	35		N 10		2	3

AGL-Above Ground Level, RH-Relative Humidity, Dir-Direction, Dewpt-Dew Point

- For fire fighter and public safety make regular on-site weather observations.

- For planned burns: Contact the meteorologist at the State Control Centre on [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist with forecast verification.

- For wildfires and Hazmats: Contact the meteorologist at the Regional Forecast Centre on [REDACTED] [REDACTED] [REDACTED] or [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist in forecast verification.

2 metre wind (km/h)*	5	10	15	20	25	30	40	50	60
10 metre wind (km/h)**	8	17	25	33	42	50	67	83	100
Beaufort Number	2	3	4	5	6	7	8	9	10

*wind measured in cleared area

**use 10m wind for calculation of FFDI and GFDI*

Document 114

04:18 01/01/2016 103307903 CGFTP=04:18 GFEPROD=04:18 CGWEB=04:18

AIFS_ID=31760 PROD CGFTP GFEPROD CGWEB

IDV31760

Australian Government Bureau of Meteorology
Victoria

Spot Fire Weather Forecast for Lorne-Jamieson Track
Issued at 4:18 am EDT on Friday 1 January 2016.

Incident Type: Wildfire

Spot Forecast Location: 8km SW of Lorne

Latitude/Longitude: -38.5871 143.8854

Elevation (metres ASL): 200

Fuel Type: Forest

Website Form No: 009

Request No: 18

Fax Number: [REDACTED]

Contact Ph: [REDACTED]

Contact Name: [REDACTED] [REDACTED] [REDACTED]

OBSERVED CONDITIONS at VIC-E Portable (Jamieson Track)

Local Time	Temp (C)	Dewpt (C)	RH (%)	Wind(km/h) Dir	Speed	Gust
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0400 26 -2 16 VRB 0 2

WEATHER FORECAST starting 0700 hours Friday 1 January 2016

Freshening south to southwesterly winds extending inland from the coast. Patchy high cloud at first and increasing low cloud during the day. Mixing height will initially be very low, around 100-200m ASL meaning that areas of the fire site above this layer will have little to no mixing during the morning within the stable part of the atmosphere - relative humidity will also be low while the fire site remains above the mixing layer. The mixing height will increase as the low level cooler air deepens, reaching around 300m AGL by mid to late

afternoon. Above about 2000m the atmosphere remains unstable with the chance of some high based shower activity, especially later in the day with the slight risk (approx 10-20%) of a thunderstorm from mid-level cloud.

Assumptions and uncertainties associated with the forecast

1. This forecast is biased towards a ridge top location, with higher topography to the northwest. Winds will likely be lighter than indicated in valleys and towards the coast on average, although stronger ridge-top winds could still reach into the valleys at times.
2. Cloud may form low enough to impact the ridge tops with fog patches possible during the day though as the inversion lifts during the afternoon and evening the cloud will likely lift off the ridge top. Cloud may lower to the ridge top again during early Saturday morning.
3. Wind direction may become erratic near high based shower or thunderstorm activity with predominately WNW'ly winds at upper levels being mixed to the surface in possible down bursts although the strong low level inversion should reduce this effect. Wind direction could also tend more SE'ly due to channelling by valleys.
4. Mixing/inversion heights may be higher than indicated at first but then not increase much further during the day. Cloud base of low cloud will be a good indicator of this. The temperature and humidity will vary significantly above and below the inversion with the lower areas cooler and more humid than forecast during the morning. The timing of what is basically a "moist change" at the fire site could be delayed until early in the afternoon if there is a delay in the strengthening of the S/SW winds.

24 HOUR FORECAST

DROUGHT factor: 9 CURING value(%): 90

Local Time	Temp (C)	Dewpt (C)	RH (%)	10m Wind (km/h)			1000m AGL	FFDI	GFDI	
				Dir	Speed	Gust	Wind(km/h)			
				Dir	Speed	Gust	Dir	Speed		
0700	25	-1	18	SW	15	20	N 5		20	7
1000	20	7	43	SSW	20	25	WNW 10		8	5
1300	18	11	64	SSW	25	45	WSW 15		4	5
1600	17	13	77	SSW	25	45	WSW 20		2	4
1900	16	12	77	SSW	30	45	SW 15		3	6
2200	14	12	88	SSW	30	45	SSW 15		2	5
0100	13	11	88	SSW	30	50	S 15		2	5
0400	12	11	94	SSW	30	50	SSE 15		1	4
0700	15	12	82	SE	30	50	SE 30		2	5

AGL-Above Ground Level, RH-Relative Humidity, Dir-Direction, Dewpt-Dew Point

- For fire fighter and public safety make regular on-site weather observations.

- For planned burns: Contact the meteorologist at the State Control Centre on [redacted] [redacted] [redacted]. Weather observations can be faxed to [redacted] [redacted] or sent via email to [redacted] to assist with forecast verification.

- For wildfires and Hazmats: Contact the meteorologist at the Regional Forecast Centre on [redacted] [redacted] [redacted] or [redacted] [redacted] [redacted]. Weather observations can be faxed to [redacted] [redacted] [redacted] or sent via email to [redacted] to assist in forecast verification.

2 metre wind (km/h)*	5	10	15	20	25	30	40	50	60
10 metre wind (km/h)**	8	17	25	33	42	50	67	83	100
Beaufort Number	2	3	4	5	6	7	8	9	10

*wind measured in cleared area
**use 10m wind for calculation of FFDI and GFDI*

Document 115

04:25 02/01/2016 101201913 CGFTP=04:25 GFEPROD=04:25 CGWEB=04:25
AIFS_ID=31760 PROD CGFTP GFEPROD CGWEB

IDV31760

Australian Government Bureau of Meteorology
Victoria

Spot Fire Weather Forecast for Wye River - Jamieson Track
Issued at 4:25 am EDT on Saturday 2 January 2016.

Incident Type: Wildfire

Spot Forecast Location: 8km SW of Lorne

Latitude/Longitude: -38.5871 143.8854

Elevation (metres ASL): 200

Fuel Type: Forest

Website Form No: 009

Request No: 19

Fax Number: [REDACTED]

Contact Ph: [REDACTED]

Contact Name: [REDACTED]

OBSERVED CONDITIONS at Vic E (Jamieson Track)

Local	Temp	Dewpt	RH	Wind(km/h)
Time	(C)	(C)	(%)	Dir Speed Gust

0420 13.2 10.1 81 NNE 7 13

WEATHER FORECAST starting 0700 hours Saturday 2 January 2016

Generally fresh to strong southeasterly winds throughout the forecast period. Low cloud during the morning to appear at the fire site as fog, gradually lifting into the afternoon. Drizzle patches gradually easing into the afternoon before redeveloping overnight. Cloud lowering to the fire site during the evening. Mixing height initially less than 200m AGL, gradually increasing after sunrise to reach around 1400m AGL during the afternoon before decreasing to 500-800m AGL during tonight.

Assumptions and uncertainties associated with the forecast

1. This forecast is biased towards a ridge top location, with higher topography to the northwest. while being reasonably well exposed to the prevailing southeasterly winds. Winds will likely be lighter than indicated in valleys and in lee of local ridges, although winds in valleys exposed to the southeasterly may experience as strong or locally stronger winds at times due to funnelling effects.
2. Cloud and resultant visibility may be lower than forecast during the day, particularly associated with drizzle.
3. There is further the chance of drizzle and light shower activity persisting throughout the majority of the forecast period and resulting in further low cloud patches.
4. Vic E wind direction looks suspicious - inconsistent with other observations and expected direction.

24 HOUR FORECAST

DROUGHT factor: 9 CURING value(%): 90

Local	Temp	Dewpt	RH	10m Wind	1000m AGL	FFDI	GFDI
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Time	(C)	(C)	(%)	(km/h)			Wind(km/h)		
				Dir	Speed	Gust	Dir	Speed	
0700	14	14	100	SE	30	45	SSE	30	1 4
1000	18	15	83	ESE	35	55	SE	35	3 7
1300	20	14	68	ESE	35	55	ESE	35	5 9
1600	20	13	64	ESE	40	60	ESE	40	6 13
1900	18	14	77	ESE	35	55	ESE	45	3 8
2200	16	13	82	ESE	30	50	ESE	45	2 5
0100	15	14	94	ESE	35	55	ESE	55	2 6
0400	15	13	88	ESE	35	55	E	50	2 6
0700	14	13	94	E	40	60	E	50	2 7

AGL-Above Ground Level, RH-Relative Humidity, Dir-Direction, Dewpt-Dew Point

- For fire fighter and public safety make regular on-site weather observations.

- For planned burns: Contact the meteorologist at the State Control Centre on [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist with forecast verification.

- For wildfires and Hazmats: Contact the meteorologist at the Regional Forecast Centre on [REDACTED] [REDACTED] [REDACTED] or [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist in forecast verification.

2 metre wind (km/h)*	5	10	15	20	25	30	40	50	60
10 metre wind (km/h)**	8	17	25	33	42	50	67	83	100
Beaufort Number	2	3	4	5	6	7	8	9	10

*wind measured in cleared area

**use 10m wind for calculation of FFDI and GFDI*

Document 116

03:51 03/01/2016 103046061 CGFTP=03:51 GFEPD=03:51 CGWEB=03:51

AIFS_ID=31760 PROD CGFTP GFEPD CGWEB

IDV31760

Australian Government Bureau of Meteorology
Victoria

Spot Fire Weather Forecast for Wye River - Jamieson Track
Issued at 3:51 am EDT on Sunday 3 January 2016.

Incident Type: Wildfire

Spot Forecast Location: 8km SW of Lorne

Latitude/Longitude: -38.5871 143.8854

Elevation (metres ASL): 200

Fuel Type: Forest

Website Form No: 009

Request No: 20

Fax Number: [REDACTED]

Contact Ph: [REDACTED]

Contact Name: [REDACTED]

WEATHER FORECAST starting 0700 hours Sunday 3 January 2016

Generally fresh to strong east to southeasterly winds throughout the forecast

period. Mostly cloudy although only a slight risk of drizzle at first this morning, or a shower or two overnight and early Monday. Mixing height remains reasonably steady around 800-1000m AGL throughout the forecast period.

Assumptions and uncertainties associated with the forecast

1. With complex terrain across the area, winds will vary significantly from the forecast location. This forecast is biased towards a reasonably well exposed ridge top location, however it is also likely to be somewhat sheltered from the full strength of the prevailing winds. The Easterly winds will likely be deflected along the coastal areas and may tend more ENE while winds are likely to be lighter than indicated in sheltered (from E/SE winds) valleys and in lee of local ridges, and fully exposed peaks will be stronger.
2. Vic E wind direction looks suspicious - inconsistent with other observations and expected direction while Vic G seems to be located in a sheltered area under-representing the wind strength.

24 HOUR FORECAST

DROUGHT factor: 9

CURING value(%): 90

Local Time	Temp (C)	Dewpt (C)	RH (%)	10m Wind (km/h)		1000m AGL Wind(km/h)		FFDI	GFDI
				Dir	Speed Gust	Dir	Speed		
0700	15	13	88	E 25	50	E 50	2	4	
1000	17	12	72	E 30	60	E 50	3	6	
1300	19	12	64	E 35	65	E 50	5	10	
1600	20	12	60	E 35	70	E 45	6	10	
1900	19	13	68	E 35	70	E 40	5	9	
2200	18	14	77	E 30	65	E 45	3	6	
0100	17	14	82	E 30	60	ENE 50	2	5	
0400	16	13	82	E 25	55	ENE 50	2	4	
0700	15	13	88	E 25	55	ENE 50	2	4	

AGL-Above Ground Level, RH-Relative Humidity, Dir-Direction, Dewpt-Dew Point

- For fire fighter and public safety make regular on-site weather observations.

- For planned burns: Contact the meteorologist at the State Control Centre on [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist with forecast verification.

- For wildfires and Hazmats: Contact the meteorologist at the Regional Forecast Centre on [REDACTED] [REDACTED] [REDACTED] or [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist in forecast verification.

2 metre wind (km/h)*	5	10	15	20	25	30	40	50	60
10 metre wind (km/h)**	8	17	25	33	42	50	67	83	100
Beaufort Number	2	3	4	5	6	7	8	9	10

*wind measured in cleared area

**use 10m wind for calculation of FFDI and GFDI*

Document 117

03:45 04/01/2016 100916198 CGFTP=03:45 GFEPD=03:45 CGWEB=03:45

AIFS_ID=31760 PROD CGFTP GFEPD CGWEB

IDV31760

Australian Government Bureau of Meteorology
Victoria

Spot Fire Weather Forecast for Wye River - Jamieson Track
Issued at 3:45 am EDT on Monday 4 January 2016.

Incident Type: Wildfire
Spot Forecast Location: 8km SW of Lorne
Latitude/Longitude: -38.5871 143.8854
Elevation (metres ASL): 200
Fuel Type: Forest
Website Form No: 009
Request No: 21
Fax Number: [REDACTED]
Contact Ph: [REDACTED]
Contact Name: [REDACTED]

WEATHER FORECAST starting 0700 hours Monday 4 January 2016
Generally fresh to strong east to southeasterly winds throughout the forecast period. Mostly cloudy with a few showers clearing during the afternoon, then the risk of light showers or drizzle overnight and early Tuesday. Mixing height remains reasonably steady around 700-900m AGL throughout the forecast period.

Assumptions and uncertainties associated with the forecast

1. With complex terrain across the area, winds will vary significantly from the forecast location. This forecast is biased towards a reasonably well exposed ridge top location, however it is also likely to be somewhat sheltered from the full strength of the prevailing winds. The Easterly winds will likely be deflected along the coastal areas and may tend more ENE while winds are likely to be significantly lighter than indicated in sheltered (from E/SE winds) valleys and in lee of local ridges, and fully exposed peaks will be stronger.
2. Vic E wind direction looks suspicious - inconsistent with other observations and expected direction while Vic G seems to be located in a sheltered area under-representing the wind strength.
3. Risk of cloud lowering to impact the ridge tops as fog during this morning.

24 HOUR FORECAST

DROUGHT factor: 9 CURING value(%): 90

Local Time	Temp (C)	Dewpt (C)	RH (%)	10m Wind (km/h)	1000m AGL Wind(km/h)	FFDI	GFDI
				Dir Speed Gust	Dir Speed		
0700	15	14	94	E 25 45	E 50	1	3
1000	16	14	88	E 25 50	E 50	2	4
1300	17	13	77	ESE 30 55	E 55	3	6
1600	18	13	73	ESE 30 55	E 60	3	6
1900	18	13	73	ESE 30 55	E 60	3	6
2200	17	14	82	E 30 55	E 60	2	5
0100	16	14	88	E 25 50	E 60	2	4
0400	15	13	88	E 25 45	E 55	2	4
0700	15	13	88	E 25 45	E 50	2	4

AGL-Above Ground Level, RH-Relative Humidity, Dir-Direction, Dewpt-Dew Point

- For fire fighter and public safety make regular on-site weather observations.

- For planned burns: Contact the meteorologist at the State Control Centre on [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist with

forecast verification.

- For wildfires and Hazmats: Contact the meteorologist at the Regional Forecast Centre on [REDACTED] [REDACTED] [REDACTED] or [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist in forecast verification.

2 metre wind (km/h)*	5	10	15	20	25	30	40	50	60
10 metre wind (km/h)**	8	17	25	33	42	50	67	83	100
Beaufort Number	2	3	4	5	6	7	8	9	10

*wind measured in cleared area

**use 10m wind for calculation of FFDI and GFDI*

Document 118

04:21 05/01/2016 102841096 CGFTP=04:21 GFEPD=04:21 CGWEB=04:21

AIFS_ID=31760 PROD CGFTP GFEPD CGWEB

IDV31760

Australian Government Bureau of Meteorology
Victoria

Spot Fire Weather Forecast for Wye River - Jamieson Track
Issued at 4:21 am EDT on Tuesday 5 January 2016.

Incident Type: Wildfire

Spot Forecast Location: 8km SW of Lorne

Latitude/Longitude: -38.5871 143.8854

Elevation (metres ASL): 200

Fuel Type: Forest

Website Form No: 009

Request No: 23

Fax Number: [REDACTED]

Contact Ph: [REDACTED]

Contact Name: [REDACTED] [REDACTED] [REDACTED]

WEATHER FORECAST starting 0700 hours Tuesday 5 January 2016

Moderate to fresh east to southeasterly winds throughout the forecast period. Cloudy, with cloud lowering to ground (fog) about higher elevations overnight. Drizzle, easing for a period in the afternoon and tending to showers early Wednesday morning. Likely falls of 1-5mm over the next 24 hours. Mixing height around 500m AGL, increasing to around 1000m AGL during the day before lowering back to around 500m AGL in the evening.

Assumptions and uncertainties associated with the forecast

With complex terrain across the area, winds will vary significantly from the forecast location. This forecast is biased towards a reasonably well exposed ridge top location.

24 HOUR FORECAST

DROUGHT factor: 9 CURING value(%): 90

Local Time	Temp (C)	Dewpt (C)	RH (%)	10m Wind (km/h)	1000m AGL Wind(km/h)	FFDI	GFDI
				Dir Speed Gust	Dir Speed		

0700	15	12	82	E 20 35	E 40	2	3
1000	18	12	68	E 25 40	ESE 35	4	5
1300	21	12	56	ESE 25 40	E 30	6	6
1600	21	13	60	SE 25 40	E 30	5	6

1900	19	13	68	SE 25 40	ESE 30	4	5
2200	17	13	77	ESE 20 35	ESE 30	2	3
0100	16	14	88	SE 20 35	ESE 30	1	3
0400	15	14	94	SE 25 40	ESE 30	1	3
0700	15	13	88	SE 25 40	ESE 30	2	4

AGL-Above Ground Level, RH-Relative Humidity, Dir-Direction, Dewpt-Dew Point

- For fire fighter and public safety make regular on-site weather observations.

- For planned burns: Contact the meteorologist at the State Control Centre on [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist with forecast verification.

- For wildfires and Hazmats: Contact the meteorologist at the Regional Forecast Centre on [REDACTED] [REDACTED] [REDACTED] or [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist in forecast verification.

2 metre wind (km/h)*	5	10	15	20	25	30	40	50	60
10 metre wind (km/h)**	8	17	25	33	42	50	67	83	100
Beaufort Number	2	3	4	5	6	7	8	9	10

*wind measured in cleared area

**use 10m wind for calculation of FFDI and GFDI*

Document 119

04:24 06/01/2016 100720082 CGFTP=04:24 GFEPROD=04:24 CGWEB=04:24

AIFS_ID=31760 PROD CGFTP GFEPROD CGWEB

IDV31760

Australian Government Bureau of Meteorology
Victoria

Spot Fire Weather Forecast for Wye River - Jamieson Track
Issued at 4:24 am EDT on Wednesday 6 January 2016.

Incident Type: Wildfire

Spot Forecast Location: 8km SW of Lorne

Latitude/Longitude: -38.5871 143.8854

Elevation (metres ASL): 200

Fuel Type: Forest

Website Form No: 009

Request No: 24

Fax Number: [REDACTED]

Contact Ph: [REDACTED]

Contact Name: [REDACTED]

WEATHER FORECAST starting 0700 hours Wednesday 6 January 2016

Moderate to fresh southeasterly winds gradually turning more southerly during the forecast period. Cloudy today with a few showers and drizzle patches (up to 3mm), mainly this morning and Thursday morning. Fog patches possible this morning. Mixing height around 500m AGL, increasing to around 800m AGL during the day before lowering back to around 500m AGL in the evening.

Assumptions and uncertainties associated with the forecast

With complex terrain across the area, winds will vary significantly from the

forecast location. This forecast is biased towards a reasonably well exposed ridge top location.

24 HOUR FORECAST

DROUGHT factor: 9 CURING value(%): 90

Local Time	Temp (C)	Dewpt (C)	RH (%)	10m Wind (km/h)	1000m AGL Wind(km/h)	FFDI	GFDI
				Dir Speed Gust	Dir Speed		
0700	16	15	94	SE 20 35	SE 35	1	2
1000	17	14	82	SE 25 35	ESE 35	2	4
1300	20	13	64	SE 30 40	ESE 35	5	7
1600	21	13	60	SSE 30 40	ESE 30	6	8
1900	19	12	64	SSE 25 35	SE 30	4	5
2200	17	11	68	SSE 20 30	SE 30	3	3
0100	15	10	72	SSE 20 30	SE 30	2	3
0400	14	10	77	S 15 25	SE 25	2	2
0700	14	10	77	S 20 30	SE 25	2	3

AGL-Above Ground Level, RH-Relative Humidity, Dir-Direction, Dewpt-Dew Point

- For fire fighter and public safety make regular on-site weather observations.

- For planned burns: Contact the meteorologist at the State Control Centre on [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist with forecast verification.

- For wildfires and Hazmats: Contact the meteorologist at the Regional Forecast Centre on [REDACTED] [REDACTED] [REDACTED] or [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist in forecast verification.

2 metre wind (km/h)*	5	10	15	20	25	30	40	50	60
10 metre wind (km/h)**	8	17	25	33	42	50	67	83	100
Beaufort Number	2	3	4	5	6	7	8	9	10

*wind measured in cleared area

**use 10m wind for calculation of FFDI and GFDI*

Document 120

04:16 07/01/2016 102578393 CGFTP=04:16 GFEPD=04:16 CGWEB=04:16

AIFS_ID=31760 PROD CGFTP GFEPD CGWEB

IDV31760

Australian Government Bureau of Meteorology
Victoria

Spot Fire Weather Forecast for Wye River - Jamieson Track
Issued at 4:16 am EDT on Thursday 7 January 2016.

Incident Type: Wildfire

Spot Forecast Location: 8km SW of Lorne

Latitude/Longitude: -38.5871 143.8854

Elevation (metres ASL): 200

Fuel Type: Forest

Website Form No: 009

Request No: 25

Fax Number: [REDACTED]
Contact Ph: [REDACTED]
Contact Name: [REDACTED]

WEATHER FORECAST starting 0700 hours Thursday 7 January 2016
A cool to mild and partly cloudy day with moderate to fresh southerly winds and dry conditions throughout the forecast period. Mixing height initially around 300m AGL, increasing to around 1000m AGL during the day with an inversion present above this level. Inversion lowering overnight with mixing height decreasing back to around 300m AGL.

Assumptions and uncertainties associated with the forecast
With complex terrain across the area, winds will vary significantly from the forecast location. This forecast is biased towards a ridge top location that is somewhat sheltered from flow from the south. Winds at ridge top may be around 10km/h stronger than quoted below.

24 HOUR FORECAST

DROUGHT factor: 9 CURING value(%): 90

Local Time	Temp (C)	Dewpt (C)	RH (%)	10m Wind (km/h)		1000m AGL Wind(km/h)		FFDI	GFDI
				Dir	Speed	Dir	Speed		
0700	15	10	72	S 20	30	SSE 20	2	3	
1000	16	9	63	S 20	35	SSW 30	3	4	
1300	19	8	49	S 25	40	SSW 30	7	7	
1600	19	8	49	SSW 25	45	SSW 30	7	7	
1900	16	8	59	SSW 30	45	SSW 35	5	7	
2200	13	8	72	SSW 25	45	SSW 35	3	4	
0100	13	9	77	SSW 25	45	S 30	2	4	
0400	13	8	72	SSW 20	30	S 30	2	3	
0700	12	8	76	SSW 20	30	S 30	2	3	

AGL-Above Ground Level, RH-Relative Humidity, Dir-Direction, Dewpt-Dew Point

- For fire fighter and public safety make regular on-site weather observations.
- For planned burns: Contact the meteorologist at the State Control Centre on [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist with forecast verification.
- For wildfires and Hazmats: Contact the meteorologist at the Regional Forecast Centre on [REDACTED] [REDACTED] [REDACTED] or [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist in forecast verification.

2 metre wind (km/h)*	5	10	15	20	25	30	40	50	60
10 metre wind (km/h)**	8	17	25	33	42	50	67	83	100
Beaufort Number	2	3	4	5	6	7	8	9	10

*wind measured in cleared area
**use 10m wind for calculation of FFDI and GFDI*

IDV31760

Australian Government Bureau of Meteorology
Victoria

Spot Fire Weather Forecast for Wye River - Jamieson Track
Issued at 3:54 am EDT on Friday 8 January 2016.

Incident Type: Wildfire

Spot Forecast Location: 8km SW of Lorne

Latitude/Longitude: -38.5871 143.8854

Elevation (metres ASL): 200

Fuel Type: Forest

Website Form No: 009

Request No: 26

Fax Number: [REDACTED]

Contact Ph: [REDACTED]

Contact Name: [REDACTED]

WEATHER FORECAST starting 0700 hours Friday 8 January 2016

Generally cloudy at first with cloud cover gradually clearing to become mainly sunny during the afternoon. A mild day with generally moderate southwest to southerly winds and dry conditions throughout the forecast period. Mixing height around 200m AGL, increasing only to around 700-800m AGL during the day underneath a strong inversion. Mixing height lowering again overnight to less than a few hundred metres AGL.

Assumptions and uncertainties associated with the forecast

- With complex terrain across the area, winds will vary significantly from the forecast location. This forecast is biased towards a ridge top location that is somewhat sheltered from flow from the south. Winds at ridge top may be around 10km/h stronger than quoted below.
- Low cloud early this morning may lower enough to result in fog around higher elevation areas.
- The inversion could lower below the highest peaks of the ridge top tomorrow morning, resulting in temperatures 3-5 degrees warmer than forecast and RH 50% lower at the highest peaks of area.

24 HOUR FORECAST

DROUGHT factor: 9

CURING value(%): 90

Local Time	Temp (C)	Dewpt (C)	RH (%)	10m Wind (km/h)	1000m AGL Wind(km/h)	FFDI	GFDI
				Dir Speed Gust	Dir Speed		
0700	13	8	72	SSW 15 25	S 30	2	2
1000	15	10	72	SSW 20 35	S 30	2	3
1300	19	9	52	SSW 20 35	SSW 25	6	5
1600	20	9	49	SSW 25 40	SSW 20	7	7
1900	17	10	63	SSW 25 40	SW 15	4	5
2200	14	11	82	SSW 20 30	SSW 15	2	3
0100	13	11	88	SSW 15 20	SSW 15	1	2
0400	13	12	94	SSW 15 20	SSW 15	1	2
0700	12	8	76	SW 15 20	SSW 10	2	2

AGL-Above Ground Level, RH-Relative Humidity, Dir-Direction, Dewpt-Dew Point

- For fire fighter and public safety make regular on-site weather observations.

- For planned burns: Contact the meteorologist at the State Control Centre on [REDACTED]. Weather observations can be faxed to [REDACTED]

████████ or sent via email to ██████████ to assist with forecast verification.

- For wildfires and Hazmats: Contact the meteorologist at the Regional Forecast Centre on ██████████ or ██████████. Weather observations can be faxed to ██████████ or sent via email to ██████████ to assist in forecast verification.

2 metre wind (km/h)*	5	10	15	20	25	30	40	50	60
10 metre wind (km/h)**	8	17	25	33	42	50	67	83	100
Beaufort Number	2	3	4	5	6	7	8	9	10

*wind measured in cleared area

**use 10m wind for calculation of FFDI and GFDI*

Document 122

02:49 09/01/2016 102108192 CGFTP=02:49 GFEPROD=02:49 CGWEB=02:49

AIIFS_ID=31760 PROD CGFTP GFEPROD CGWEB

IDV31760

Australian Government Bureau of Meteorology
Victoria

Spot Fire Weather Forecast for Wye River - Jamieson Track
Issued at 2:49 am EDT on Saturday 9 January 2016.

Incident Type: Wildfire

Spot Forecast Location: 8km SW of Lorne

Latitude/Longitude: -38.5871 143.8854

Elevation (metres ASL): 200

Fuel Type: Forest

Website Form No: 009

Request No: 27

Fax Number: ██████████

Contact Ph: ██████████

Contact Name: ██████████ ██████████ ██████████

WEATHER FORECAST starting 0700 hours Saturday 9 January 2016

Cool at first with some low cloud then a fine, mild day with a mostly sunny afternoon. Light southwesterly winds this morning, tending moderate south to southeasterly during the afternoon before easing overnight. The possibility of some fog or low cloud forming early Sunday morning. Mixing height below 50m AGL initially, rising to only 300-500m AGL during the afternoon underneath an inversion. Mixing height then lowering to near ground level overnight.

Assumptions and uncertainties associated with the forecast

- With complex terrain across the area, winds will vary significantly from the forecast location. This forecast is biased towards a ridge top location but is somewhat sheltered to flow from the south to southwest. Winds at ridge top may be around 10km/h stronger than quoted below, while winds at the forecast site may be light and variable this morning and again tonight.

- Some patchy fog is possible early this morning.

- An inversion near 700m elevation may lower enough tonight to see the highest peaks above this layer which would see temperatures 3-5 degrees warmer than forecast and RH somewhat lower at the highest peaks of the area.

24 HOUR FORECAST

DROUGHT factor: 9 CURING value(%): 90

Local	Temp	Dewpt	RH	10m Wind	1000m AGL	FFDI	GFDI
-------	------	-------	----	----------	-----------	------	------

Time	(C)	(C)	RH (%)	(km/h)			Wind(km/h)			
				Dir	Speed	Gust	Dir	Speed		
0700	13	10	82	WSW	10	15	SSW	10	1	1
1000	16	9	63	SSW	10	20	SW	15	3	2
1300	20	9	49	S	15	25	WSW	20	6	3
1600	21	8	43	SSE	20	30	W	20	8	5
1900	18	8	52	SSE	20	30	W	20	5	4
2200	16	7	55	SSW	10	20	WSW	20	4	2
0100	14	5	55	WSW	5	10	SW	15	3	1
0400	13	6	62	W	5	10	WSW	5	2	1
0700	13	7	67	ESE	10	15	NW	10	2	1

AGL-Above Ground Level, RH-Relative Humidity, Dir-Direction, Dewpt-Dew Point

- For fire fighter and public safety make regular on-site weather observations.

- For planned burns: Contact the meteorologist at the State Control Centre on [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist with forecast verification.

- For wildfires and Hazmats: Contact the meteorologist at the Regional Forecast Centre on [REDACTED] [REDACTED] [REDACTED] or [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist in forecast verification.

2 metre wind (km/h)*	5	10	15	20	25	30	40	50	60
10 metre wind (km/h)**	8	17	25	33	42	50	67	83	100
Beaufort Number	2	3	4	5	6	7	8	9	10

*wind measured in cleared area

**use 10m wind for calculation of FFDI and GFDI*

Document 123

03:27 10/01/2016 100025974 CGFTP=03:27 GFEPD=03:27 CGWEB=03:27

AIFS_ID=31760 PROD CGFTP GFEPD CGWEB

IDV31760

Australian Government Bureau of Meteorology
Victoria

Spot Fire Weather Forecast for Wye River - Jamieson Track
Issued at 3:27 am EDT on Sunday 10 January 2016.

Incident Type: Wildfire

Spot Forecast Location: 8km SW of Lorne

Latitude/Longitude: -38.5871 143.8854

Elevation (metres ASL): 200

Fuel Type: Forest

Website Form No: 009

Request No: 28

Fax Number: [REDACTED]

Contact Ph: [REDACTED]

Contact Name: [REDACTED]

WEATHER FORECAST starting 0700 hours Sunday 10 January 2016

Light and variable winds this morning, tending northwest to westerly inland and

at higher elevations then a seabreeze likely during the afternoon. The seabreeze may not reach the higher elevations. Winds tending westerly Sunday night then edging around more towards northerly by Monday morning. Low cloud and shallow fog patches should clear by 0900 this morning leaving a mostly sunny day but some high based cloud is likely to move across the area this evening and may even result in a few spots of rain. Monday morning should then become clear. Mixing height below 50m AGL initially, rising to 800-1000m AGL during the afternoon then decreasing to 50m by Monday morning.

Assumptions and uncertainties associated with the forecast

- With complex terrain across the area, winds will vary significantly from the forecast location. This forecast is biased towards a ridge top location but is somewhat sheltered to flow from the south to southwest. Winds at ridge top may be around 10km/h stronger than quoted below, while winds at the forecast site may be light and variable this morning and again tonight.
- Wind directions are very tricky today with the sea breeze battling against and inland northwest to westerly, then a weak trough this evening aligned with a band of cloud could shift winds briefly to the southwest. At no stage are winds likely to be very strong.

24 HOUR FORECAST

DROUGHT factor: 9 CURING value(%): 90

Local Time	Temp (C)	Dewpt (C)	RH (%)	10m Wind (km/h) Dir Speed Gust	1000m AGL Wind(km/h) Dir Speed	FFDI	GFDI
0700	12	11	94	NW 05 10	N 15	1	1
1000	18	11	64	NW 10 15	WNW 25	3	2
1300	24	11	44	WNW 15 20	WNW 30	8	4
1600	26	12	42	ESE 10 20	WNW 30	8	3
1900	23	12	50	VAR 10 20	WNW 20	5	2
2200	19	12	64	WNW 10 15	W 30	3	2
0100	17	11	68	NW 10 20	W 35	2	1
0400	15	10	72	N 10 20	W 30	2	1
0700	16	10	68	NW 15 30	WNW 30	3	2

AGL-Above Ground Level, RH-Relative Humidity, Dir-Direction, Dewpt-Dew Point

- For fire fighter and public safety make regular on-site weather observations.
- For planned burns: Contact the meteorologist at the State Control Centre on [redacted] [redacted] [redacted]. Weather observations can be faxed to [redacted] [redacted] or sent via email to [redacted] to assist with forecast verification.
- For wildfires and Hazmats: Contact the meteorologist at the Regional Forecast Centre on [redacted] [redacted] [redacted] or [redacted] [redacted] [redacted]. Weather observations can be faxed to [redacted] [redacted] [redacted] or sent via email to [redacted] to assist in forecast verification.

2 metre wind (km/h)*	5	10	15	20	25	30	40	50	60
10 metre wind (km/h)**	8	17	25	33	42	50	67	83	100
Beaufort Number	2	3	4	5	6	7	8	9	10

*wind measured in cleared area

**use 10m wind for calculation of FFDI and GFDI*

IDV31760

Australian Government Bureau of Meteorology
Victoria

Spot Fire Weather Forecast for Wye River - Jamieson Track
Issued at 2:44 am EDT on Monday 11 January 2016.

Incident Type: Wildfire

Spot Forecast Location: 8km SW of Lorne

Latitude/Longitude: -38.5871 143.8854

Elevation (metres ASL): 200

Fuel Type: Forest

Website Form No: 009

Request No: 29

Fax Number: [REDACTED]

Contact Ph: [REDACTED]

Contact Name: [REDACTED]

WEATHER FORECAST starting 0700 hours Monday 11 January 2016

North to northwesterly winds increasing to 15-20 km/h this morning ahead of a southwesterly change expected around 1400-1500hrs. Moisture levels should decrease during the morning, especially at higher elevations then increase again during the afternoon with the southwesterly wind. High-based cloud with the chance of a light shower from the late morning. Showers are more likely during the afternoon and there is a small risk of thunderstorms. Mixing height below 100m AGL initially, rising to 2500m AGL during the early afternoon then decreasing to 200m by Tuesday morning.

Assumptions and uncertainties associated with the forecast

- The timing of the increasing northwesterly winds could be an hour or so later than the start time of this forecast period. Also, the timing of the southwesterly wind change could vary by a couple of hours from what is shown and make reach low elevations at least an hour before climbing to 200m+ as the change will be shallow.
- Wind strengths could be 10-15 km/h stronger if the upper winds are stronger than expected or if local showers or thunderstorms pass close to the area generating brief gustiness. Rainfall is expected to be minimal with any showers or thunderstorms, most likely below 2mm.
- At low elevations close to the coast there may be a weak sea-breeze develop from about midday and would be a SE wind around 10 km/h.

24 HOUR FORECAST

DROUGHT factor: 10

CURING value(%): 90

Local Time	Temp (C)	Dewpt (C)	RH (%)	10m Wind (km/h)		1000m AGL	FFDI	GFDI
				Dir	Speed	Wind(km/h)		
0700	19	10	56	NNW	10 20	WNW 30	4	2
1000	26	8	32	NW	20 30	WNW 40	16	8
1300	29	9	29	WNW	20 30	WNW 35	19	9
1600	26	11	39	SW	25 35	WNW 35	14	9
1900	23	12	50	SSW	20 30	WNW 35	8	5
2200	20	12	60	SW	15 20	W 30	4	3
0100	17	12	72	SW	10 15	W 35	2	1
0400	15	13	88	SW	5 10	W 30	1	1
0700	14	13	94	SSW	10 15	W 30	1	1

AGL-Above Ground Level, RH-Relative Humidity, Dir-Direction, Dewpt-Dew Point

- For fire fighter and public safety make regular on-site weather observations.

- For planned burns: Contact the meteorologist at the State Control Centre on [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist with forecast verification.

- For wildfires and Hazmats: Contact the meteorologist at the Regional Forecast Centre on [REDACTED] [REDACTED] [REDACTED] or [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist in forecast verification.

2 metre wind (km/h)*	5	10	15	20	25	30	40	50	60
10 metre wind (km/h)**	8	17	25	33	42	50	67	83	100
Beaufort Number	2	3	4	5	6	7	8	9	10

*wind measured in cleared area

**use 10m wind for calculation of FFDI and GFDI*

Document 125

04:01 12/01/2016 103813659 CGFTP=04:01 GFEPROD=04:01 CGWEB=04:01

AIFS_ID=31760 PROD CGFTP GFEPROD CGWEB

IDV31760

Australian Government Bureau of Meteorology
Victoria

Spot Fire Weather Forecast for Wye River - Jamieson Track
Issued at 4:01 am EDT on Tuesday 12 January 2016.

Incident Type: Wildfire

Spot Forecast Location: 8km SW of Lorne

Latitude/Longitude: -38.5871 143.8854

Elevation (metres ASL): 200

Fuel Type: Forest

Website Form No: 009

Request No: 30

Fax Number: [REDACTED]

Contact Ph: [REDACTED]

Contact Name: [REDACTED] [REDACTED] [REDACTED]

WEATHER FORECAST starting 0700 hours Tuesday 12 January 2016

Light S'ly winds will gradually tend SE'ly throughout the morning and freshen slightly into the afternoon as a seabreeze develops. Winds tending ESE'ly during the evening and gradually tending NE'ly by Wednesday morning. Mixing height initially below 200m above ground level (AGL), increasing to 1000m AGL by mid afternoon then lowering to less than 200m AGL after sunset. Dry conditions expected throughout however low cloud is likely at first today, clearing by midday.

Assumptions and uncertainties associated with the forecast

- The cloud base may intersect with ridge tops, appearing as fog.

- A strong inversion is expected to develop later on Tuesday into Wednesday. If the inversion is low enough it could result in slightly warmer and drier conditions across elevated areas of the fire site, whilst winds across these areas may also tend more N'ly and be 5-10km/h stronger.

- This forecast is biased towards a location that is somewhat sheltered to flow

from the south to southeast. Winds at ridge top may be around 10km/h stronger than quoted below.

- The portable weather station VICE appears to have stopped reporting overnight and may require some attention. VICG has not reported for over 24 hours, presumably due to a power/battery issue.

24 HOUR FORECAST

DROUGHT factor: 10

CURING value(%): 95

Local Time	Temp (C)	Dewpt (C)	RH (%)	10m Wind (km/h)			1000m AGL Wind(km/h)			
				Dir	Speed	Gust	Dir	Speed		
0700	14	13	94	SSW	10	20	SW	15	1	1
1000	17	13	77	SSE	10	15	WSW	15	2	2
1300	21	13	60	SE	15	25	W	15	5	4
1600	23	13	53	SE	20	35	W	15	7	6
1900	20	13	64	ESE	15	30	WNW	5	4	3
2200	16	12	77	ENE	10	20	NNW	5	2	2
0100	14	12	88	ENE	15	30	NNW	15	1	2
0400	14	13	94	NE	20	30	NW	20	1	3
0700	16	14	88	NNE	15	25	NW	35	1	2

AGL-Above Ground Level, RH-Relative Humidity, Dir-Direction, Dewpt-Dew Point

- For fire fighter and public safety make regular on-site weather observations.

- For planned burns: Contact the meteorologist at the State Control Centre on [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist with forecast verification.

- For wildfires and Hazmats: Contact the meteorologist at the Regional Forecast Centre on [REDACTED] [REDACTED] [REDACTED] or [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist in forecast verification.

2 metre wind (km/h)*	5	10	15	20	25	30	40	50	60
10 metre wind (km/h)**	8	17	25	33	42	50	67	83	100
Beaufort Number	2	3	4	5	6	7	8	9	10

*wind measured in cleared area

**use 10m wind for calculation of FFDI and GFDI*

Document 126

03:41 13/01/2016 101663292 CGFTP=03:41 GFEPD=03:41 CGWEB=03:41

AIFS_ID=31760 PROD CGFTP GFEPD CGWEB

IDV31760

Australian Government Bureau of Meteorology

Victoria

Spot Fire Weather Forecast for Wye River - Jamieson Track

Issued at 3:41 am EDT on Wednesday 13 January 2016.

Incident Type: Wildfire

Spot Forecast Location: 8km SW of Lorne

Latitude/Longitude: -38.5871 143.8854

Elevation (metres ASL): 200

Fuel Type: Forest
Website Form No: 009
Request No: 31
Fax Number: [REDACTED]
Contact Ph: [REDACTED]
Contact Name: [REDACTED]

WEATHER FORECAST starting 0700 hours Wednesday 13 January 2016

Initially light northeasterly winds during the morning. Becoming hot late morning as winds tend moderate to fresh northwesterly, then tend more west to northwesterly during the afternoon. A two-stage wind change developing later in the day. Winds firstly shifting cool and fresh west to southwesterly with the arrival of a pre-frontal trough, at this stage expected around 4-6pm local time. A cold front expected soon after, between around 6-8pm with winds shifting more southwesterly and cooling further.

Mostly sunny at first but some high cloud increasing during the afternoon. The chance of a gusty high-based shower or thunderstorm from early afternoon through until evening, though little if any associated rainfall. A cooler and cloudy night following the cold front, with possible showers or drizzle early Thursday morning. Mixing height initially below 200m above ground level (AGL), increasing to 3000m AGL by mid afternoon then lowering to less than 200m AGL following the change.

Assumptions and uncertainties associated with the forecast

- Northerly winds trapped underneath a strong inversion at first this morning could be accelerated if the inversion lowers resulting in winds around 10-20km/h stronger than forecast, particularly at elevated areas of the fire site. If this occurs these winds should ease a little through the morning as the inversion mixes out.
- This forecast site is somewhat sheltered from the SW. The change may therefore arrive at the site as more of a south to southeasterly, particularly on the coastal side of the site.
- Note that complex topography means wind directions will vary significantly throughout the fire area away from this specific forecast location. Lower elevation areas near the coast could be sheltered from the stronger northwesterly winds this afternoon allowing weak seabreezes to develop. These are unlikely to be felt away from the immediate coastal area. Additionally, higher elevations may hold more of a westerly for a period between the pre-frontal trough and the cold front later in the evening. The portable weather stations VICD, VICE and VICJ will provide valuable information relating to the subtle variations in wind around the fire site today.
- The timing of both wind changes could vary a few hours either side of the timing mentioned here and will be further complicated by any thunderstorm development. Be sure to check the latest Wind Change Forecast Maps which will be issued today for up to date guidance and do not hesitate to contact the BoM for further information.
- Any showers or storms are unlikely to result in much rainfall so dry lightning is a risk. Damaging wind gusts (80-100km/h) are also likely with any showers or storms that develop.
- The cloud base overnight tonight may intersect with ridge tops, appearing as fog.

24 HOUR FORECAST

DROUGHT factor: 10 CURING value(%): 95

Local Time	Temp (C)	Dewpt (C)	RH (%)	10m Wind (km/h)	1000m AGL Wind(km/h)	FFDI	GFDI
				Dir Speed Gust	Dir Speed		

0700	16	11	72	NE 15 25	NW 30	3	3
1000	28	9	30	N 20 35	NW 40	18	10

1300	36	10	21	NW 30	50	NW 50	41	30
1600	37	11	21	NW 35	55	NW 45	48	41
1900	30	14	38	SW 25	35	NW 55	17	13
2200	21	14	64	SW 35	50	NW 75	6	12
0100	15	11	77	SW 30	45	WNW 65	3	7
0400	14	10	77	SW 25	45	W 55	3	5
0700	13	10	82	SW 25	40	WSW 50	2	4

AGL-Above Ground Level, RH-Relative Humidity, Dir-Direction, Dewpt-Dew Point

- For fire fighter and public safety make regular on-site weather observations.

- For planned burns: Contact the meteorologist at the State Control Centre on [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist with forecast verification.

- For wildfires and Hazmats: Contact the meteorologist at the Regional Forecast Centre on [REDACTED] [REDACTED] [REDACTED] or [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist in forecast verification.

2 metre wind (km/h)*	5	10	15	20	25	30	40	50	60
10 metre wind (km/h)**	8	17	25	33	42	50	67	83	100
Beaufort Number	2	3	4	5	6	7	8	9	10

*wind measured in cleared area

**use 10m wind for calculation of FFDI and GFDI*

Document 127

04:03 14/01/2016 103573383 CGFTP=04:03 GFEPD=04:03 CGWEB=04:03

AIFS_ID=31760 PROD CGFTP GFEPD CGWEB

IDV31760

Australian Government Bureau of Meteorology
Victoria

Spot Fire Weather Forecast for Wye River - Jamieson Track
Issued at 4:03 am EDT on Thursday 14 January 2016.

Incident Type: Wildfire

Spot Forecast Location: 8km SW of Lorne

Latitude/Longitude: -38.5871 143.8854

Elevation (metres ASL): 200

Fuel Type: Forest

Website Form No: 009

Request No: 32

Fax Number: [REDACTED]

Contact Ph: [REDACTED]

Contact Name: [REDACTED] [REDACTED] [REDACTED]

WEATHER FORECAST starting 0700 hours Thursday 14 January 2016

A cool day with fresh southwesterly winds, tending more southerly overnight and easing a little. A cloudy morning but a few sunny breaks developing during the afternoon. The chance of a shower or two right through until tonight. Rainfall totals will vary across the fire site but generally less than 2mm expected. Mixing height around 750m AGL this morning, rising to around 1000-1500m AGL during the afternoon then only slowly decreasing to around 750m AGL once again

overnight.

Assumptions and uncertainties associated with the forecast

- This forecast site is somewhat sheltered from the SW. Winds at the forecast site may therefore be lighter than forecast and present as more of a south to southeasterly, particularly on the coastal side of the site.
- Note that complex topography means wind directions will vary significantly throughout the fire area away from this specific forecast location.

24 HOUR FORECAST

Local Time	Temp (C)	Dewpt (C)	RH (%)	10m Wind		1000m AGL	FFDI	GFDI		
				(km/h)		Wind(km/h)				
				Dir	Speed	Dir			Speed	
0700	14	10	77	SW	20	30	WSW	45	2	3
1000	15	8	63	SW	25	35	SW	45	4	6
1300	16	5	48	SW	30	45	SW	40	8	10
1600	17	5	45	SW	30	45	SW	45	9	11
1900	15	4	48	SSW	30	40	SW	45	8	10
2200	13	4	54	SSW	25	35	SW	40	5	6
0100	12	4	58	SSW	20	30	SSW	35	4	4
0400	11	5	66	SSW	20	30	S	30	3	4
0700	10	5	71	S	15	25	S	25	2	2

AGL-Above Ground Level, RH-Relative Humidity, Dir-Direction, Dewpt-Dew Point

- For fire fighter and public safety make regular on-site weather observations.

- For planned burns: Contact the meteorologist at the State Control Centre on [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist with forecast verification.

- For wildfires and Hazmats: Contact the meteorologist at the Regional Forecast Centre on [REDACTED] [REDACTED] [REDACTED] or [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist in forecast verification.

2 metre wind (km/h)*	5	10	15	20	25	30	40	50	60
10 metre wind (km/h)**	8	17	25	33	42	50	67	83	100
Beaufort Number	2	3	4	5	6	7	8	9	10

*wind measured in cleared area

**use 10m wind for calculation of FFDI and GFDI*

Document 128

01:52 15/01/2016 101287037 CGFTP=01:52 GFEPD=01:52 CGWEB=01:52

AIFS_ID=31760 PROD CGFTP GFEPD CGWEB

IDV31760

Australian Government Bureau of Meteorology
Victoria

Spot Fire Weather Forecast for Wye River - Jamieson Track
Issued at 1:52 am EDT on Friday 15 January 2016.

Incident Type: Wildfire

Spot Forecast Location: 8km SW of Lorne

Latitude/Longitude: -38.5871 143.8854

Elevation (metres ASL): 200

Fuel Type: Forest

Website Form No: 009

Request No: 33

Fax Number: [REDACTED]

Contact Ph: [REDACTED]

Contact Name: [REDACTED]

WEATHER FORECAST starting 0700 hours Friday 15 January 2016

A cool mostly cloudy day with light to moderate south to southwesterly winds. The chance of a light shower during the morning but a fine afternoon. Mixing height around 400m AGL this morning, rising to around 1300-1500m AGL during the afternoon which is the height of a strong inversion then only slowly decreasing to around 200m AGL once again overnight.

Assumptions and uncertainties associated with the forecast

- This forecast site is somewhat sheltered from the SW. Winds at the forecast site may therefore be lighter than forecast and present as more of a south to southeasterly, particularly on the coastal side of the site.
- Note that complex topography means wind directions will vary significantly throughout the fire area away from this specific forecast location.

24 HOUR FORECAST

DROUGHT factor: 10

CURING value(%): 95

Local Time	Temp (C)	Dewpt (C)	RH (%)	10m Wind (km/h)			1000m AGL	FFDI	GFDI
				Dir	Speed	Gust	Wind(km/h)		
							Dir Speed		
0700	12	5	62	S	10	20	S 30	3	2
1000	13	5	58	S	15	25	S 30	4	3
1300	16	5	48	SSE	15	25	S 20	6	4
1600	17	6	48	SSE	15	25	S 20	6	4
1900	15	7	59	SSE	20	30	SSE 20	4	4
2200	14	7	63	SE	15	25	SE 25	3	3
0100	13	7	67	SE	10	20	ESE 25	2	2
0400	12	8	76	SE	10	15	ESE 20	2	1
0700	13	9	77	SE	10	15	E 20	2	1

AGL-Above Ground Level, RH-Relative Humidity, Dir-Direction, Dewpt-Dew Point

- For fire fighter and public safety make regular on-site weather observations.

- For planned burns: Contact the meteorologist at the State Control Centre on [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist with forecast verification.

- For wildfires and Hazmats: Contact the meteorologist at the Regional Forecast Centre on [REDACTED] [REDACTED] [REDACTED] or [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist in forecast verification.

2 metre wind (km/h)*	5	10	15	20	25	30	40	50	60
10 metre wind (km/h)**	8	17	25	33	42	50	67	83	100
Beaufort Number	2	3	4	5	6	7	8	9	10

*wind measured in cleared area

**use 10m wind for calculation of FFDI and GFDI*

Document 129

01:52 16/01/2016 103177142 CGFTP=01:52 GFEPROD=01:52 CGWEB=01:52

AIFS_ID=31760 PROD CGFTP GFEPROD CGWEB

IDV31760

Australian Government Bureau of Meteorology
Victoria

Spot Fire Weather Forecast for Wye River - Jamieson Track
Issued at 1:52 am EDT on Saturday 16 January 2016.

Incident Type: Wildfire

Spot Forecast Location: 8km SW of Lorne

Latitude/Longitude: -38.5871 143.8854

Elevation (metres ASL): 200

Fuel Type: Forest

Website Form No: 009

Request No: 35

Fax Number: [REDACTED]

Contact Ph: [REDACTED]

Contact Name: [REDACTED]

WEATHER FORECAST starting 0700 hours Saturday 16 January 2016

Light to moderate southeasterly winds tending more east to northeasterly early Sunday morning. A partly cloudy morning, then becoming sunny in the afternoon. Surface humidity increasing early Sunday morning with some possible low cloud developing. Mixing height initially around 500m AGL, increasing to around 1000m AGL by the afternoon under a strong inversion, then gradually decreasing to less than 150m AGL overnight.

Assumptions and uncertainties associated with the forecast

- This forecast is for a near ridge top site that is relatively well exposed. Please note that complex topography means wind directions will vary significantly throughout the fire area away from this specific forecast location.
- Winds in valleys likely to become variable below 10km/h overnight, while winds at ridge tops above forecast height may be up to 10km/h stronger.
- Low cloud developing overnight may lower to fog (cloud on the ground) about the higher peaks of the area.

24 HOUR FORECAST

DROUGHT factor: 10

CURING value(%): 95

Local Time	Temp (C)	Dewpt (C)	RH (%)	10m Wind (km/h)			1000m AGL	FFDI	GFDI
				Dir	Speed	Gust	Wind(km/h)		
0700	13	9	77	SE	15	25	E 25	2	2
1000	16	9	63	ESE	15	30	ENE 20	3	3
1300	19	9	52	ESE	15	25	ENE 20	6	4
1600	19	9	52	ESE	20	30	ENE 20	6	6
1900	17	10	63	SE	20	30	ENE 25	4	4
2200	15	11	77	SE	20	35	ENE 30	2	4
0100	14	12	88	ESE	15	25	ENE 25	1	2
0400	14	11	82	E	15	25	NE 15	2	2
0700	14	12	88	ENE	15	20	NW 10	1	2

AGL-Above Ground Level, RH-Relative Humidity, Dir-Direction, Dewpt-Dew Point

- For fire fighter and public safety make regular on-site weather observations.

- For planned burns: Contact the meteorologist at the State Control Centre on [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist with forecast verification.

- For wildfires and Hazmats: Contact the meteorologist at the Regional Forecast Centre on [REDACTED] [REDACTED] [REDACTED] or [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist in forecast verification.

2 metre wind (km/h)*	5	10	15	20	25	30	40	50	60
10 metre wind (km/h)**	8	17	25	33	42	50	67	83	100
Beaufort Number	2	3	4	5	6	7	8	9	10

*wind measured in cleared area

**use 10m wind for calculation of FFDI and GFDI*

Document 130

01:34 17/01/2016 101039194 CGFTP=01:34 GFEPROD=01:34 CGWEB=01:34

AIFS_ID=31760 PROD CGFTP GFEPROD CGWEB

IDV31760

Australian Government Bureau of Meteorology
Victoria

Spot Fire Weather Forecast for Wye River - Jamieson Track
Issued at 1:34 am EDT on Sunday 17 January 2016.

Incident Type: Wildfire

Spot Forecast Location: 8km SW of Lorne

Latitude/Longitude: -38.5871 143.8854

Elevation (metres ASL): 200

Fuel Type: Forest

Website Form No: 009

Request No: 37

Fax Number: [REDACTED]

Contact Ph: [REDACTED]

Contact Name: [REDACTED]

WEATHER FORECAST starting 0700 hours Sunday 17 January 2016

Light to moderate northeasterly winds will tend more easterly Sunday afternoon as the seabreeze develops, then tend northwesterly on Monday morning. Clear skies apart from some patchy high cloud. Mixing height initially around 200m AGL, increasing to around 2500m AGL by the mid afternoon, then lowering to 500m AGL later in the afternoon as the seabreeze increases, then decreasing to less than 200m AGL overnight.

Assumptions and uncertainties associated with the forecast

- This forecast is for a near ridge top site that is relatively well exposed. Please note that complex topography means wind directions will vary significantly throughout the fire area away from this specific forecast location.

- Winds in valleys likely to be variable below 10km/h this morning and again Sunday night/Monday morning, while winds at ridge tops above forecast height may be up to 10km/h stronger.

- There is the chance of patchy low cloud/fog at first this morning.

24 HOUR FORECAST

DROUGHT factor: 10

CURING value(%): 95

Local Time	Temp (C)	Dewpt (C)	RH (%)	10m Wind (km/h)	1000m AGL Wind(km/h)	FFDI	GFDI
				Dir Speed Gust	Dir Speed		
0700	14	13	94	ENE 15 25	ENE 20	1	2
1000	20	10	53	NE 15 20	NNE 25	6	4
1300	26	7	30	NNE 10 15	NW 15	13	4
1600	23	10	44	ESE 20 30	E 25	9	7
1900	22	11	50	ESE 15 20	E 30	7	4
2200	20	13	64	ENE 10 20	ENE 35	3	2
0100	18	14	77	NE 10 15	NE 40	2	2
0400	18	13	73	NNE 10 20	NW 45	2	2
0700	17	12	72	NW 10 15	NW 60	2	2

AGL-Above Ground Level, RH-Relative Humidity, Dir-Direction, Dewpt-Dew Point

- For fire fighter and public safety make regular on-site weather observations.

- For planned burns: Contact the meteorologist at the State Control Centre on [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist with forecast verification.

- For wildfires and Hazmats: Contact the meteorologist at the Regional Forecast Centre on [REDACTED] [REDACTED] [REDACTED] or [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist in forecast verification.

2 metre wind (km/h)*	5	10	15	20	25	30	40	50	60
10 metre wind (km/h)**	8	17	25	33	42	50	67	83	100
Beaufort Number	2	3	4	5	6	7	8	9	10

*wind measured in cleared area

**use 10m wind for calculation of FFDI and GFDI*

Document 131

02:28 18/01/2016 102988227 CGFTP=02:28 GFEPD=02:28 CGWEB=02:28

AIFS_ID=31760 PROD CGFTP GFEPD CGWEB

IDV31760

Australian Government Bureau of Meteorology
Victoria

Spot Fire Weather Forecast for Wye River - Jamieson Track
Issued at 2:28 am EDT on Monday 18 January 2016.

Incident Type: Wildfire

Spot Forecast Location: 8km SW of Lorne

Latitude/Longitude: -38.5871 143.8854

Elevation (metres ASL): 200

Fuel Type: Forest

Website Form No: 009

Request No: 38

Fax Number: [REDACTED]

Contact Ph: [REDACTED]
Contact Name: [REDACTED]

WEATHER FORECAST starting 0800 hours Monday 18 January 2016
Moderate northwesterly winds increasing this morning before shifting south to southwesterly between 1400-1600 hours Monday with the passage of a trough, then easing overnight. Mostly sunny, with patchy high cloud during the day. Humidity increasing overnight with low cloud possible Monday night and Tuesday morning. Mixing height initially around 500m AGL, increasing to around 3000m AGL by the early afternoon, then lowering to 500m AGL during the mid-late afternoon following the southerly change, then decreasing to less than 200m AGL overnight.

- Assumptions and uncertainties associated with the forecast
- This forecast is for a near ridge top site that is relatively well exposed. Please note that complex topography means wind directions will vary significantly throughout the fire area away from this specific forecast location.
 - Timing of S/SW'ly wind change could differ from the forecast by 1-3 hours, while winds could tend more SE'ly for a period after the change. A wind change chart will likely be issued this afternoon with updated timing.
 - Winds in protected valleys likely to be around 10 km/h lighter than forecast during Monday, while winds at ridge tops above forecast height are likely to be around 10km/h stronger at times during the day.
 - Wind may become variable in direction Tuesday morning.
 - There is the chance of fog Tuesday morning.

24 HOUR FORECAST

DROUGHT factor: 10 CURING value(%): 95

Local Time	Temp (C)	Dewpt (C)	RH (%)	10m Wind (km/h)			1000m AGL	FFDI	GFDI
				Dir	Speed	Gust	Wind(km/h)		
							Dir Speed		
0800	21	9	46	NW	20	30	NW 50	8	6
1100	29	8	27	WNW	35	55	WNW 40	29	29
1400	32	5	18	SSW	20	35	WNW 30	31	15
1700	25	10	39	S	25	40	SW 35	13	11
2000	21	12	56	SSW	15	30	WSW 35	5	4
2300	18	12	68	SW	10	20	WSW 30	3	2
0200	15	13	88	SW	10	15	WNW 20	1	1
0500	14	13	94	SW	10	15	NW 30	1	1
0800	15	12	82	SW	10	15	NW 30	2	1

AGL-Above Ground Level, RH-Relative Humidity, Dir-Direction, Dewpt-Dew Point

- For fire fighter and public safety make regular on-site weather observations.
- For planned burns: Contact the meteorologist at the State Control Centre on [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist with forecast verification.
- For wildfires and Hazmats: Contact the meteorologist at the Regional Forecast Centre on [REDACTED] [REDACTED] [REDACTED] or [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist in forecast verification.

2 metre wind (km/h)*	5	10	15	20	25	30	40	50	60
10 metre wind (km/h)**	8	17	25	33	42	50	67	83	100
Beaufort Number	2	3	4	5	6	7	8	9	10

*wind measured in cleared area
**use 10m wind for calculation of FFDI and GFDI*

Document 132

03:59 19/01/2016 100989794 CGFTP=03:59 GFEPROD=03:59 CGWEB=03:59

AIFS_ID=31760 PROD CGFTP GFEPROD CGWEB

IDV31760

Australian Government Bureau of Meteorology
Victoria

Spot Fire Weather Forecast for Wye River - Jamieson Track
Issued at 3:59 am EDT on Tuesday 19 January 2016.

Incident Type: Wildfire
Spot Forecast Location: 8km SW of Lorne
Latitude/Longitude: -38.5871 143.8854
Elevation (metres ASL): 200
Fuel Type: Forest
Website Form No: 009
Request No: 39
Fax Number: [REDACTED]
Contact Ph: [REDACTED]
Contact Name: [REDACTED]

WEATHER FORECAST starting 0800 hours Tuesday 19 January 2016

A mild to warm day with light winds. Cloud increasing this evening. Remaining fine for much of the day but the chance of a shower or two from very late tonight, possibly briefly tending to rain during the early morning hours of tomorrow. Any rainfall most likely to be less than 5mm although slight chance as much as 10mm. Mixing height initially less than a 200 metres AGL underneath an inversion, increasing to around 1000m AGL away from the coast, but remaining low in areas where the flow remains onshore. Mixing height lowering to below a few hundred AGL overnight.

Assumptions and uncertainties associated with the forecast

- Winds are forecast to be light throughout the day although wind direction is very difficult to forecast, particularly at lower elevations. Seabreezes likely to persist along the coast while further inland and at higher elevations the general trend is for winds to tend northwest to westerly through the early afternoon then southwesterly later. With such light winds, however, local effect will dominate wind flow meaning wind directions will vary significantly throughout the fire area away from this specific forecast location.
- There is more confidence with winds at ridge tops above forecast height. For example PAWS unit VICJ at Mt Cowley is likely to see moderate northwest to westerlies throughout the day, tending fresh south to southwesterly in the evening.
- RH values higher at lower elevations and lower near ridge tops.

24 HOUR FORECAST

DROUGHT factor: 10

CURING value(%): 95

Local Time	Temp (C)	Dewpt (C)	RH (%)	10m Wind (km/h)	1000m AGL Wind(km/h)	FFDI	GFDI
				Dir Speed Gust	Dir Speed		
0800	16	12	77	WSW 5 10	NW 30	2	1
1100	20	11	56	SE 10 15	WNW 40	4	2
1400	27	9	32	SE 20 30	WNW 40	16	10

1700	27	10	34	SSE 20 30	WNW 35	15	9
2000	18	10	59	SE 10 15	W 30	4	2
2300	16	11	72	SE 10 15	W 35	2	2
0200	14	11	82	SSE 10 15	W 25	1	1
0500	16	11	72	S 5 10	W 20	2	1
0800	15	11	77	NW 5 10	W 35	2	1

AGL-Above Ground Level, RH-Relative Humidity, Dir-Direction, Dewpt-Dew Point

- For fire fighter and public safety make regular on-site weather observations.

- For planned burns: Contact the meteorologist at the State Control Centre on [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist with forecast verification.

- For wildfires and Hazmats: Contact the meteorologist at the Regional Forecast Centre on [REDACTED] [REDACTED] [REDACTED] or [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist in forecast verification.

2 metre wind (km/h)*	5	10	15	20	25	30	40	50	60
10 metre wind (km/h)**	8	17	25	33	42	50	67	83	100
Beaufort Number	2	3	4	5	6	7	8	9	10

*wind measured in cleared area

**use 10m wind for calculation of FFDI and GFDI*

Document 133

16:00 19/01/2016 101933253 CGFTP=16:00 GFEPROD=16:00 CGWEB=16:00

AIFS_ID=31760 PROD CGFTP GFEPROD CGWEB

IDV31760

Australian Government Bureau of Meteorology
Victoria

Spot Fire Weather Forecast for Wye River - Jamieson Track
Issued at 4:00 pm EDT on Tuesday 19 January 2016.

Incident Type: Wildfire

Spot Forecast Location: 8km SW of Lorne

Latitude/Longitude: -38.5871 143.8854

Elevation (metres ASL): 200

Fuel Type: Forest

Website Form No: 009

Request No: 40

Fax Number: [REDACTED]

Contact Ph: [REDACTED]

Contact Name: [REDACTED] [REDACTED] [REDACTED]

WEATHER FORECAST starting 2000 hours Tuesday 19 January 2016

Cool to mild conditions with relatively light winds overnight and some rainfall likely in the early morning, probably about 5mm, along with the slight chance of a thunderstorm. The passage of a trough in the early morning around 0200 should see S/SW winds briefly freshen. Light to moderate south to southeasterly winds expected tomorrow but a mostly fine day following the overnight showers. Mixing height initially less than a 200 metres AGL overnight and rising to around 800m AGL Wednesday afternoon.

Assumptions and uncertainties associated with the forecast

- Winds could be quite variable in direction overnight in the morning before a more consistent S/SE wind is established by the afternoon.
- RH values higher at lower elevations and lower near ridge tops.

24 HOUR FORECAST

DROUGHT factor: 10

CURING value(%): 95

Local Time	Temp (C)	Dewpt (C)	RH (%)	10m Wind (km/h) Dir Speed Gust	1000m AGL Wind(km/h) Dir Speed	FFDI	GFDI
2000	20	11	56	ESE 5 10	WNW 35	4	1
2300	18	10	59	N 10 20	W 20	4	2
0200	16	11	72	SSW 20 35	NNW 5	3	4
0500	16	12	77	S 15 20	WNW 30	2	2
0800	15	12	82	VAR 10 15	WNW 60	2	1
1100	18	13	73	SSE 10 15	W 45	2	2
1400	22	13	57	SSE 10 15	W 25	5	2
1700	23	14	57	SSE 15 25	WNW 25	5	4
2000	20	13	64	SSE 10 15	WNW 25	3	2

AGL-Above Ground Level, RH-Relative Humidity, Dir-Direction, Dewpt-Dew Point

- For fire fighter and public safety make regular on-site weather observations.

- For planned burns: Contact the meteorologist at the State Control Centre on [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist with forecast verification.

- For wildfires and Hazmats: Contact the meteorologist at the Regional Forecast Centre on [REDACTED] [REDACTED] [REDACTED] or [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist in forecast verification.

2 metre wind (km/h)*	5	10	15	20	25	30	40	50	60
10 metre wind (km/h)**	8	17	25	33	42	50	67	83	100
Beaufort Number	2	3	4	5	6	7	8	9	10

*wind measured in cleared area

**use 10m wind for calculation of FFDI and GFDI*

Document 134

16:30 20/01/2016 103853602 CGFTP=16:30 GFEPD=16:30 CGWEB=16:30

AIFS_ID=31760 PROD CGFTP GFEPD CGWEB

IDV31760

Australian Government Bureau of Meteorology
Victoria

Spot Fire Weather Forecast for Wye River - Jamieson Track
Issued at 4:30 pm EDT on Wednesday 20 January 2016.

Incident Type: Wildfire

Spot Forecast Location: 8km SW of Lorne

Latitude/Longitude: -38.5871 143.8854

Elevation (metres ASL): 200

Fuel Type: Forest
Website Form No: 009
Request No: 41
Fax Number: [REDACTED]
Contact Ph: [REDACTED]
Contact Name: [REDACTED]

WEATHER FORECAST starting 2000 hours Wednesday 20 January 2016
Light southeasterly winds, freshening for a period during Thursday afternoon as the sea breeze develops. Low cloud increasing overnight and lowering to be cloud on ground (fog) at the forecast site early Thursday morning. Cloud gradually lifting to around 700m AGL after sunrise with some sunny breaks developing in the afternoon. Mixing height initially around 600 metres AGL lowering to around 200m AGL overnight and rising to around 900m AGL after sunrise Thursday.

Assumptions and uncertainties associated with the forecast
- Winds are likely to be variable in direction overnight, tending to drain towards the sea in valleys, while remaining light.
- RH values higher at lower elevations and lower near ridge tops for a period early Thursday morning.

24 HOUR FORECAST

DROUGHT factor: 10 CURING value(%): 95

Local Time	Temp (C)	Dewpt (C)	RH (%)	10m Wind (km/h)			1000m AGL Wind(km/h)		FFDI	GFDI
				Dir	Speed	Gust	Dir	Speed		
2000	20	16	78	SE	10	15	WNW	15	2	2
2300	18	16	88	ESE	5	10	WNW	20	1	1
0200	17	15	88	ESE	5	10	NW	20	1	1
0500	16	15	94	SE	5	15	WNW	25	1	1
0800	17	14	82	SE	5	15	WNW	30	1	1
1100	21	14	64	SE	10	15	W	20	3	2
1400	24	15	57	SE	15	25	WNW	25	6	4
1700	23	15	61	SE	20	30	NW	25	5	5
2000	19	14	73	SSE	10	20	WNW	25	2	2

AGL-Above Ground Level, RH-Relative Humidity, Dir-Direction, Dewpt-Dew Point

- For fire fighter and public safety make regular on-site weather observations.

- For planned burns: Contact the meteorologist at the State Control Centre on [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist with forecast verification.

- For wildfires and Hazmats: Contact the meteorologist at the Regional Forecast Centre on [REDACTED] [REDACTED] [REDACTED] or [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist in forecast verification.

2 metre wind (km/h)*	5	10	15	20	25	30	40	50	60
10 metre wind (km/h)**	8	17	25	33	42	50	67	83	100
Beaufort Number	2	3	4	5	6	7	8	9	10

*wind measured in cleared area

**use 10m wind for calculation of FFDI and GFDI*

Document 135

16:03 21/01/2016 101702750 CGFTP=16:03 GFEPROD=16:03 CGWEB=16:03

AIFS_ID=31760 PROD CGFTP GFEPROD CGWEB

IDV31760

Australian Government Bureau of Meteorology
Victoria

Spot Fire Weather Forecast for Wye River - Jamieson Track
Issued at 4:03 pm EDT on Thursday 21 January 2016.

Incident Type: Wildfire

Spot Forecast Location: 8km SW of Lorne

Latitude/Longitude: -38.5871 143.8854

Elevation (metres ASL): 200

Fuel Type: Forest

Website Form No: 009

Request No: 42

Fax Number: [REDACTED]

Contact Ph: [REDACTED]

Contact Name: [REDACTED]

WEATHER FORECAST starting 0200 hours Friday 22 January 2016

Synoptic winds are expected to ease overnight with a possible light katabatic southerly flow draining down into the valley, located to the north of the spot fire location. Soon after sunrise the northwesterly winds aloft are expected to mix down, probably tending more west-northwesterly as they funnel through the valley. A trough and southwesterly change is due through the area around 2pm Friday. Low cloud increasing tonight and possibly lowering to the ground at the forecast site, with rain developing and possible thunderstorms from around midnight tonight. The low cloud and rain (and possible storms) are expected to persist throughout Friday, gradually clearing and lifting during the evening. Mixing height initially around 700 metres AGL lowering to around 200m AGL overnight and rising to around 400m AGL after sunrise Friday. 10-15mm of rainfall is expected near the forecast site, with a risk of heavier falls if a thunderstorm passes over the area.

Assumptions and uncertainties associated with the forecast

- Winds are likely to be variable in direction overnight, tending to drain towards the sea in valleys, while remaining light.
- RH values higher at lower elevations and lower near ridge tops for a period early Friday morning.
- Temperatures may be lower and RH higher depending on the rainfall/storms.

24 HOUR FORECAST

DROUGHT factor: 10

CURING value(%): 95

Local Time	Temp (C)	Dewpt (C)	RH (%)	10m Wind (km/h) Dir Speed Gust	1000m AGL Wind(km/h) Dir Speed	FFDI	GFDI
0200	16	13	82	S 5 10	NW 35	1	1
0500	15	13	88	S 5 10	NW 30	1	1
0800	17	14	82	WNW 10 20	NW 35	2	2
1100	19	16	83	WNW 10 20	WNW 35	2	2
1400	23	17	69	SW 15 20	WNW 30	4	3
1700	21	16	73	WSW 20 30	W 25	3	4
2000	19	14	73	WSW 20 30	WSW 25	3	4
2300	17	14	82	WSW 15 25	SW 25	2	2
0200	15	13	88	WSW 15 20	SW 30	1	2

AGL-Above Ground Level, RH-Relative Humidity, Dir-Direction, Dewpt-Dew Point

- For fire fighter and public safety make regular on-site weather observations.

- For planned burns: Contact the meteorologist at the State Control Centre on [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist with forecast verification.

- For wildfires and Hazmats: Contact the meteorologist at the Regional Forecast Centre on [REDACTED] [REDACTED] [REDACTED] or [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist in forecast verification.

2 metre wind (km/h)*	5	10	15	20	25	30	40	50	60
10 metre wind (km/h)**	8	17	25	33	42	50	67	83	100
Beaufort Number	2	3	4	5	6	7	8	9	10

*wind measured in cleared area

**use 10m wind for calculation of FFDI and GFDI*

Document 136

15:55 22/01/2016 103582976 CGFTP=15:55 GFEPROD=15:55 CGWEB=15:55

AIIFS_ID=31760 PROD CGFTP GFEPROD CGWEB

IDV31760

Australian Government Bureau of Meteorology
Victoria

Spot Fire Weather Forecast for Wye River - Jamieson Track
Issued at 3:55 pm EDT on Friday 22 January 2016.

Incident Type: Wildfire

Spot Forecast Location: 8km SW of Lorne

Latitude/Longitude: -38.5871 143.8854

Elevation (metres ASL): 200

Fuel Type: Forest

Website Form No: 009

Request No: 43

Fax Number: [REDACTED]

Contact Ph: [REDACTED]

Contact Name: [REDACTED] [REDACTED] [REDACTED]

WEATHER FORECAST starting 0700 hours Saturday 23 January 2016

Cool and generally cloudy, although cloud cover may break up a little later in the afternoon. Moderate to fresh southwesterly winds, easing in strength overnight. A chance of showers during the morning, then a possible shower or two redeveloping at night, possibly tending to drizzle at times Sunday morning. Any showers are not expected to result in significant totals with only 1 or 2mm at best. Mixing height initially around 500 metres AGL, rising to around 1200m AGL during the afternoon then decreasing to 200-300m AGL overnight.

Assumptions and uncertainties associated with the forecast

- Forecast assumes the site is somewhat sheltered from the SW. Winds at ridge-tops may be around 10km/h stronger than forecast.

- Cloud cover could lower to near ridge-top level overnight resulting in fog at the forecast site.

24 HOUR FORECAST

DROUGHT factor: 10

CURING value(%): 95

Local Time	Temp (C)	Dewpt (C)	RH (%)	10m Wind (km/h)	1000m AGL Wind(km/h)	FFDI	GFDI
				Dir Speed Gust	Dir Speed		
0700	16	13	82	SW 15 25	SW 30	2	2
1000	18	11	64	SW 20 35	SW 30	4	5
1300	21	11	53	SW 25 45	SW 35	7	8
1600	21	11	53	SW 25 40	SW 30	7	8
1900	19	12	64	SW 20 35	SW 30	4	5
2200	15	13	88	SW 20 30	SSW 30	2	3
0100	14	13	94	SW 15 25	S 25	1	2
0400	14	13	94	SW 15 25	S 25	1	2
0700	14	12	88	SW 15 30	SSW 20	1	2

AGL-Above Ground Level, RH-Relative Humidity, Dir-Direction, Dewpt-Dew Point

- For fire fighter and public safety make regular on-site weather observations.

- For planned burns: Contact the meteorologist at the State Control Centre on [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist with forecast verification.

- For wildfires and Hazmats: Contact the meteorologist at the Regional Forecast Centre on [REDACTED] [REDACTED] [REDACTED] or [REDACTED] [REDACTED] [REDACTED]. Weather observations can be faxed to [REDACTED] [REDACTED] [REDACTED] or sent via email to [REDACTED] to assist in forecast verification.

2 metre wind (km/h)*	5	10	15	20	25	30	40	50	60
10 metre wind (km/h)**	8	17	25	33	42	50	67	83	100
Beaufort Number	2	3	4	5	6	7	8	9	10

*wind measured in cleared area

**use 10m wind for calculation of FFDI and GFDI*

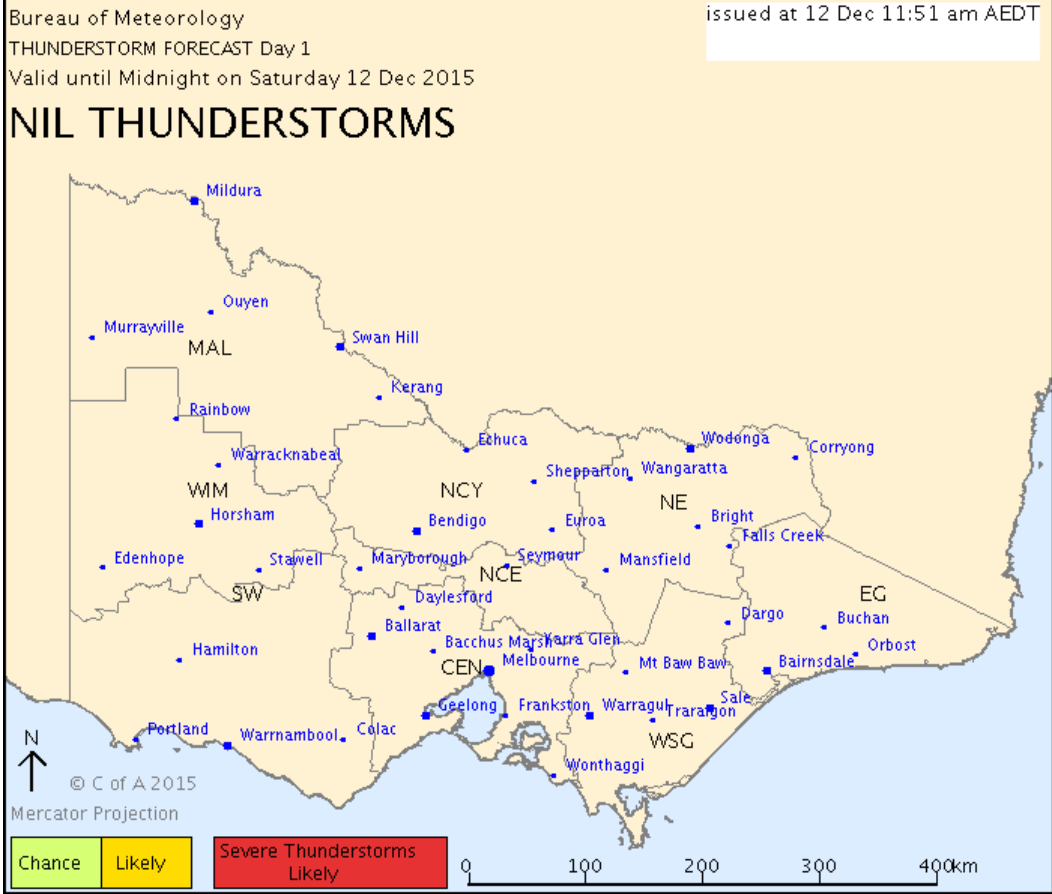
Document 137

IDV65758

**Australian Government Bureau of Meteorology
Victoria Regional Office**

THUNDERSTORM FORECAST

Issued at 11:51 am Saturday, 12 December 2015,
Valid until midnight on Saturday, 12 December 2015.



Document 138

IDV65759

**Australian Government Bureau of Meteorology
 Victoria Regional Office**

DAY 2 THUNDERSTORM FORECAST

Issued at 11:51 am Saturday, 12 December 2015,

Valid from midnight tonight until midnight on Sunday, 13 December 2015.

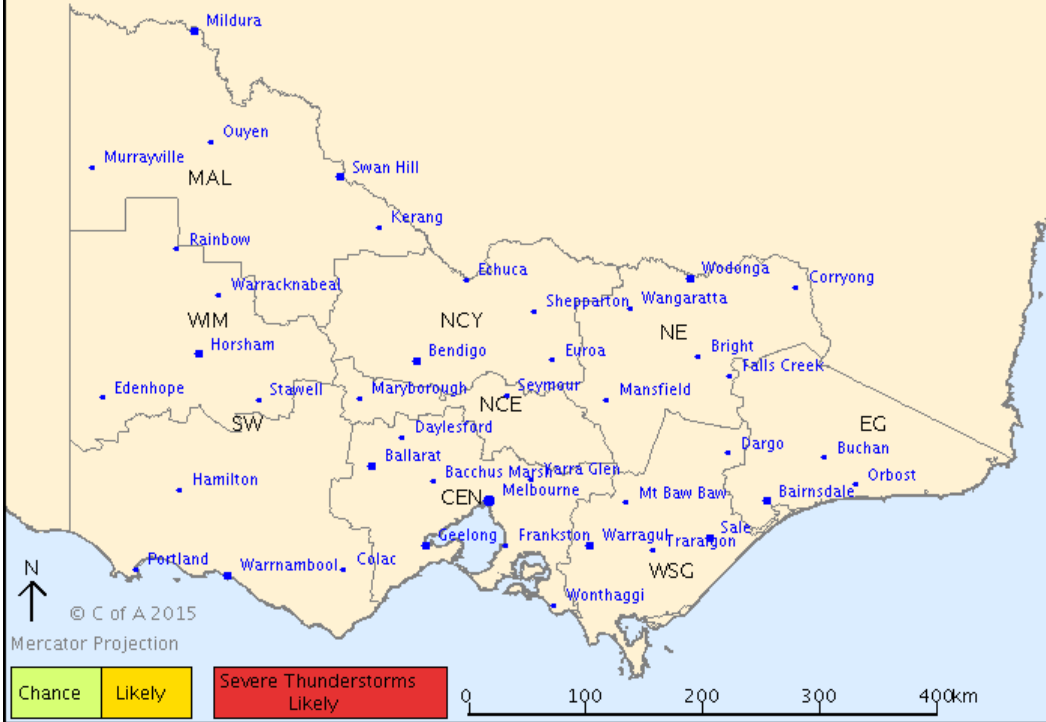
Bureau of Meteorology

issued at 12 Dec 11:51 am AEDT

THUNDERSTORM FORECAST day 2

Valid from Midnight tonight until Midnight on Sunday 13 Dec 2015

NIL THUNDERSTORMS



Document 139

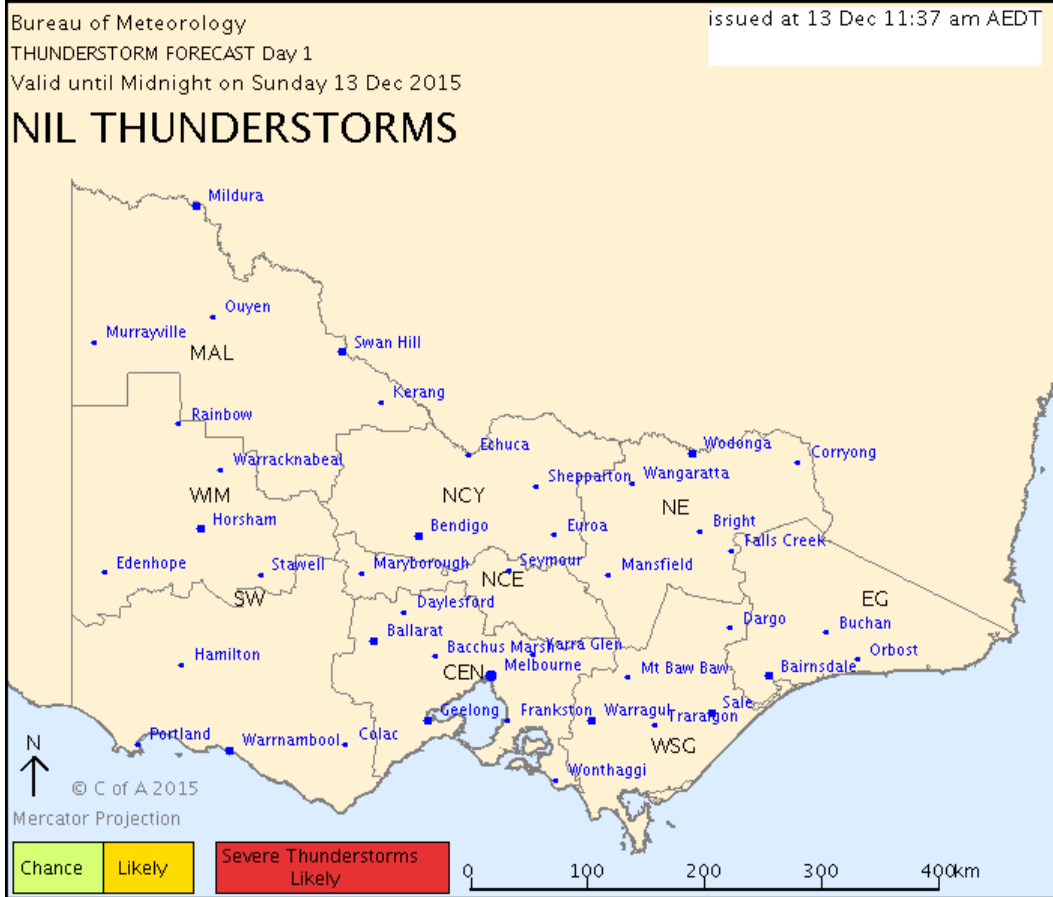
IDV65758

**Australian Government Bureau of Meteorology
Victoria Regional Office**

THUNDERSTORM FORECAST

Issued at 11:37 am Sunday, 13 December 2015,

Valid until midnight on Sunday, 13 December 2015.



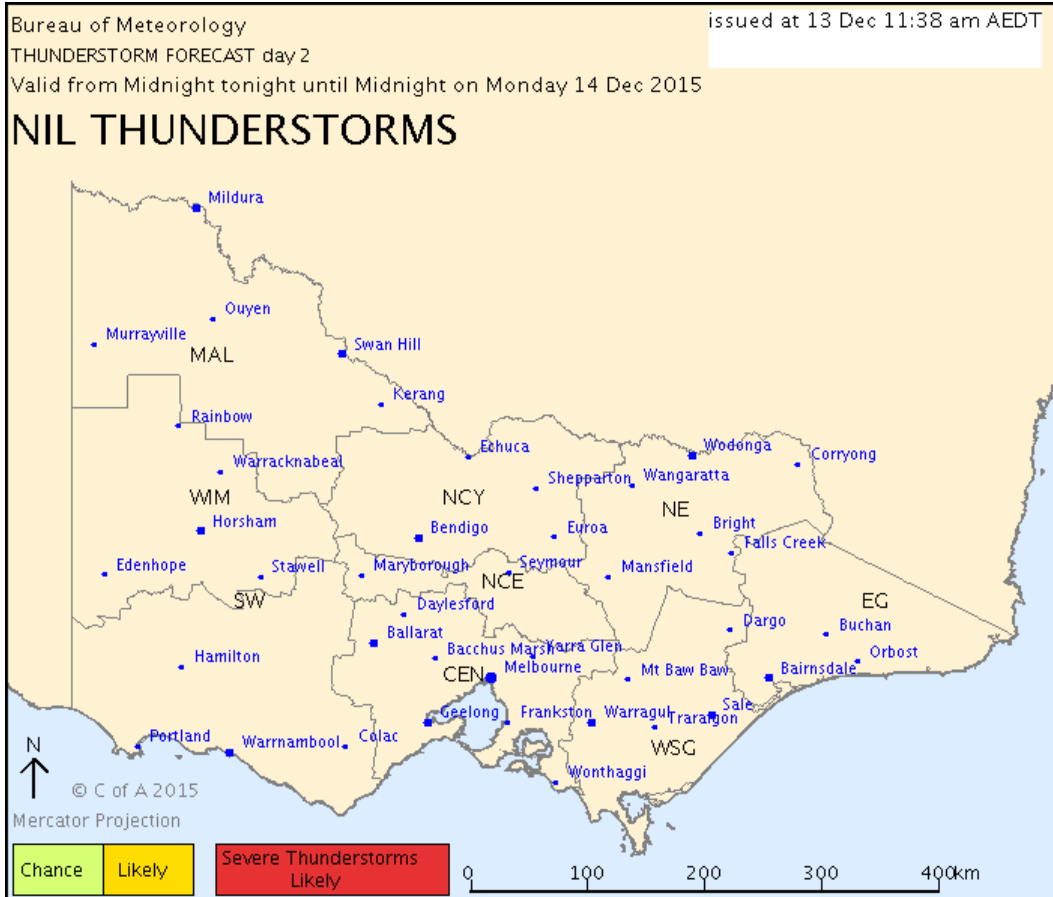
Document 140

IDV65759

**Australian Government Bureau of Meteorology
 Victoria Regional Office**

DAY 2 THUNDERSTORM FORECAST

Issued at 11:38 am Sunday, 13 December 2015,
 Valid from midnight tonight until midnight on Monday, 14 December 2015.



Document 141

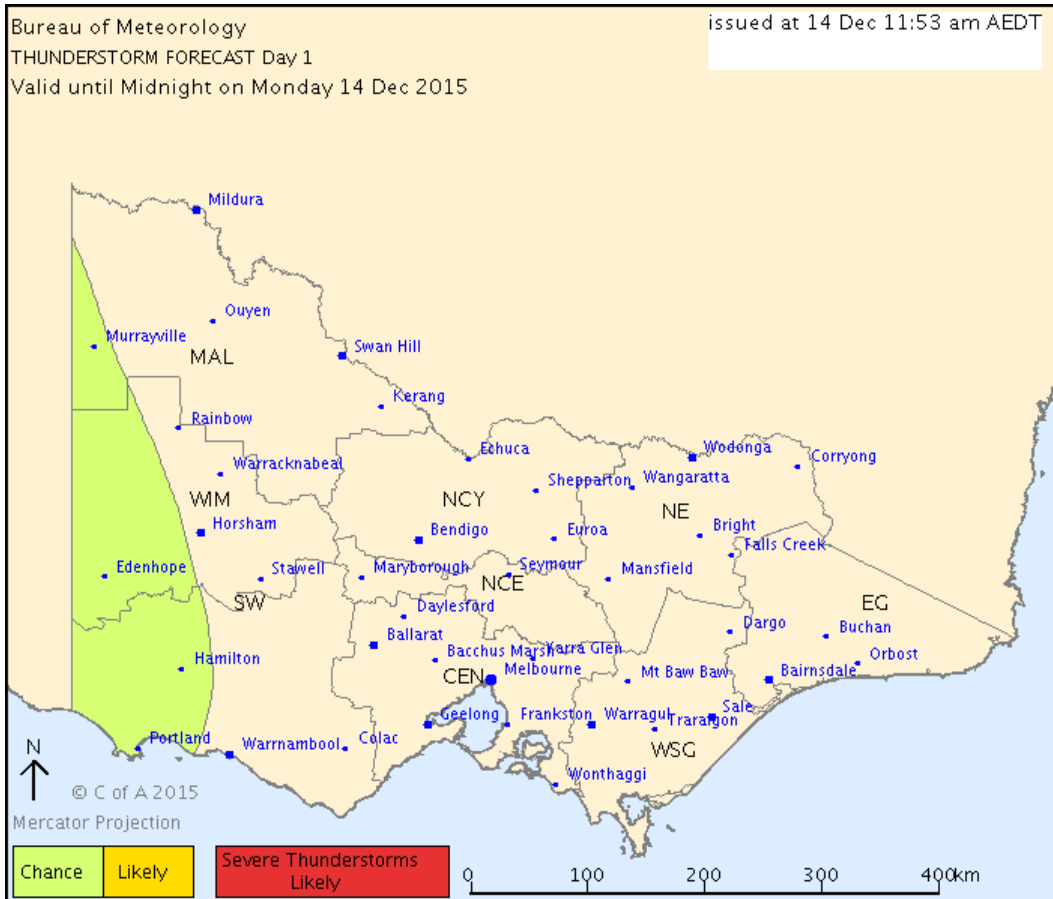
IDV65758

**Australian Government Bureau of Meteorology
 Victoria Regional Office**

THUNDERSTORM FORECAST

Issued at 11:53 am Monday, 14 December 2015,
 Valid until midnight on Monday, 14 December 2015.

Slight risk of elevated thunderstorms reaching the far west of the state late this evening as an area of weak instability ahead of a mid-level trough approaches from the west. If storms occur they are forecast to produce little to no rainfall.



Document 142

IDV65759

**Australian Government Bureau of Meteorology
Victoria Regional Office**

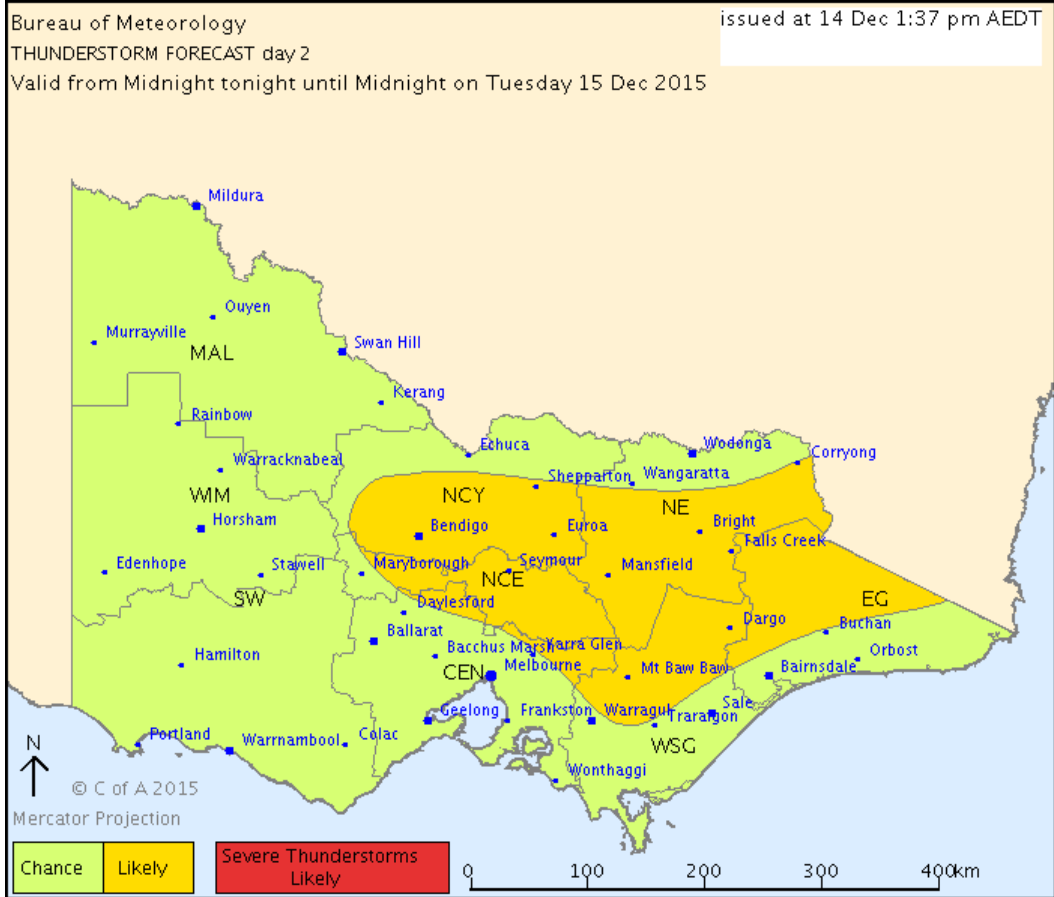
DAY 2 THUNDERSTORM FORECAST

Issued at 1:37 pm Monday, 14 December 2015,

Valid from midnight tonight until midnight on Tuesday, 15 December 2015.

A broad area of weak instability will spread across the State from the west tomorrow morning ahead of a mid-level trough. This will result in a slight risk of elevated thunderstorms with little to no rainfall, particularly during the early morning, extending to a line roughly Mildura to Traralgon by late morning. There is a very slight risk of damaging wind gusts with these thunderstorms, particularly in the Mallee and Wimmera Districts.

There is a chance of surface based thunderstorms during the afternoon and evening northeast of a line roughly Murrayville to Warragul to Buchan, more likely near the central and eastern ranges where the lingering mid-level trough will aid development.



Document 143

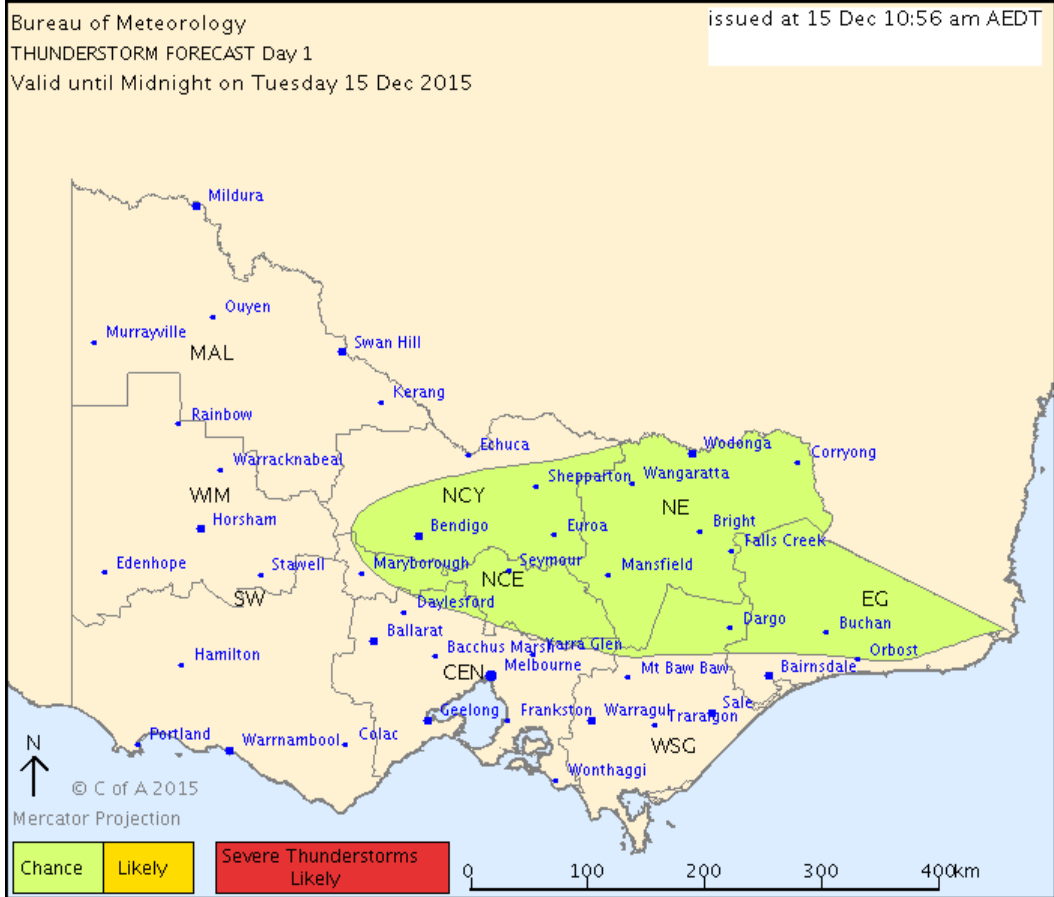
IDV65758

**Australian Government Bureau of Meteorology
 Victoria Regional Office**

THUNDERSTORM FORECAST

Issued at 10:56 am Tuesday, 15 December 2015,
 Valid until midnight on Tuesday, 15 December 2015.

Chance of thunderstorms this afternoon and early evening about the eastern highlands. Any storms should contract eastwards and clear tonight. Severe thunderstorms are considered unlikely.



Document 144

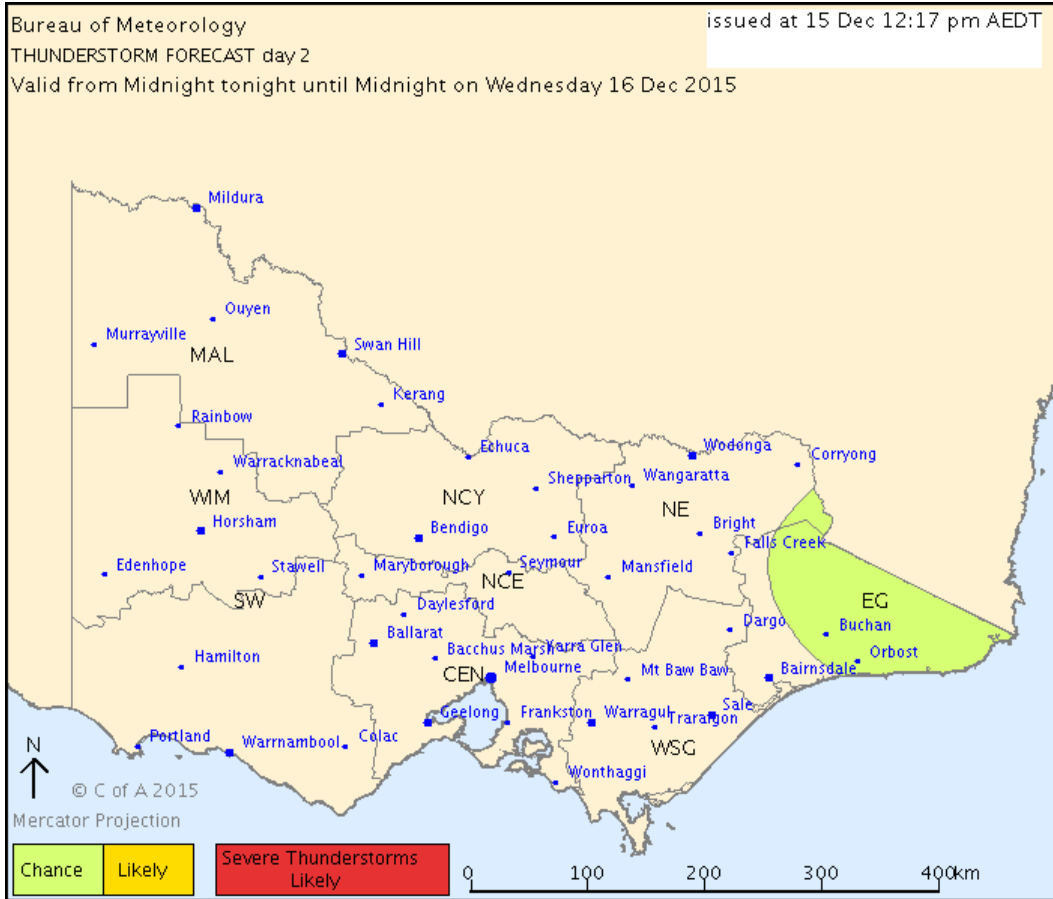
IDV65759

**Australian Government Bureau of Meteorology
 Victoria Regional Office**

DAY 2 THUNDERSTORM FORECAST

Issued at 12:17 pm Tuesday, 15 December 2015,
 Valid from midnight tonight until midnight on Wednesday, 16 December 2015.

Small risk of thunderstorms in this area, mainly during the afternoon.



Document 145

IDV65758

**Australian Government Bureau of Meteorology
 Victoria Regional Office**

THUNDERSTORM FORECAST

Issued at 11:26 am Wednesday, 16 December 2015,
 Valid until midnight on Wednesday, 16 December 2015.

There is a chance of thunderstorms in the far east today as favourable surface moisture and an upper trough linger in the area. The thunderstorm risk will gradually contract eastward to clear the State by early evening.