

ATTACHMENTS

**Under Separate Cover
Ordinary Council Meeting**

6.00pm Tuesday 24 July 2018

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CFA Neighbourhood Safer Places Assessment Summary Report

NSP ID: 1000096629 Municipality: Golden Plains Shire
 Location: Smythesdale Recreation Reserve Front of main pavillion
 Address: 55 Heales Road Smythesdale 3351
 Location Type: Open Space CFA Region: West
 Assessment Date: 16.04.2018 Assessed By: Tony Brady
 Result: Compliant

| Assessment Factors | | North Aspect | East Aspect | South Aspect | West Aspect |
|---|-----------------------------------|--|--|--|--|
| Vegetation Type | | AS3959 Grassland / BAA Grassland | No Classified Vegetation Type / BAA N/A | No Classified Vegetation Type / BAA N/A | No Classified Vegetation Type / BAA N/A |
| Separation Distance to Vegetation (m) | Actual | 63 | N/A | N/A | N/A |
| | Prescribed (Grassland areas only) | N/A | N/A | N/A | N/A |
| Vegetation Height (m) | | 200m | N/A | N/A | N/A |
| Effective Slope (°) | | 0 | 0 | 0 | 0 |
| Site Slope (°) | | 0 | 0 | 0 | 0 |
| Prescribed or Deemed to Satisfy Requirements for distance achieved - (Distance equal to or greater than 140M structure 310M open space) | | N | Y | Y | Y |
| Deemed to Satisfy Requirements for slope achieved - (Effective Slope less than 20 degrees) | | Y | Y | Y | Y |
| Deemed to Satisfy (DTS) Requirements Achieved | | N | Y | Y | Y |
| (If DTS not achieved) Calculated Heat Flux (kW/m2) (To be no greater than 2kw for open space or 10kw for a building) | Actual | 1.95 | N/A | N/A | N/A |
| | Prescribed (Grassland areas only) | | | | |
| Treatments & Prescriptions (For Grassland areas ONLY) | | | | | |
| Overall NSP Criteria Achieved | | Y | Y | Y | Y |
| Result | | <p>Compliant</p> <p><input checked="" type="checkbox"/> Meeting the CFA assessment criteria on the day of assessment.</p> <p><input type="checkbox"/> Meeting the assessment criteria provided that prescriptions of management of grassland over the fire danger period are secured by agreed terms entered into by the landholder.</p> <p>Non Compliant</p> <p><input type="checkbox"/> Not meeting the CFA assessment criteria on the day of assessment</p> | | | |



CFA Region: West
Telephone: 5329 5500
Fax: 5329 5582

24 APR 2018

Golden Plains Shire
Pope Street
Bannockburn 3331

Dear Matthew Sims

Neighbourhood Safer Places - Places of Last Resort Assessment for
**1000096629 Smythesdale Recreation Reserve , Front of main pavillion
55 Heales Road Smythesdale 3351**

The CFA ACT 1958, Sect 50G (5 a and b), sets out obligations for CFA as follows;
(5) *On receiving a request (for assessment from Municipal Council), the Authority must-*
(a) *assess the place; and*
(b) *if the place meets the criteria set out in the CFA Assessment Guidelines,
certify in writing that the place meets those criteria.*

This letter and the attached report are designed to meet these obligations and provide assistance to Council in its further decision-making for potential Neighbourhood Safer Places - Places of Last Resort.

CFA developed criteria to assist Council in determining the suitability of potential sites for Neighbourhood Safer Places - Places of Last Resort. These criteria have been developed as part of a consultative process, involving other fire agencies, emergency services and stakeholders.

This site assessment has been based on the quantity of vegetation determined at the time of this inspection and under section 50I of the CFA ACT 1958, it is council responsibility to maintain all Neighbourhood Safer Places.

The **1000096629 Smythesdale Recreation Reserve , Front of main pavillion 55 Heales Road Smythesdale 3351** has been determined as **Compliant** with the CFA Guidelines.

CFA understands that it is Council's responsibility to designate this site as a Neighbourhood Safer Place - Place of Last Resort and that Council may wish to engage with other Agencies and stakeholders, including CFA as part of any final approval process before a final decision is made.

CFA hopes you find this information of benefit in the final designation process. If you require further assistance on this matter, please contact Tony Brady at 0400573943.

Yours faithfully

(Refer to attached file for authorisation signature)

Operations Manager
West



NEIGHBOURHOOD SAFER PLACES - Places of Last Resort

CFA ASSESSMENT CRITERIA REPORT

Neighbourhood Safer Place Site Name and Address:

1000096629 Smythesdale Recreation Reserve , Front of main pavillion

55 Heales Road Smythesdale 3351

The site is assessed as:

- a) Meeting the CFA assessment criteria on the day of assessment; or
- b) Not meeting the CFA assessment criteria on the day of assessment; or
- c) Meeting the assessment criteria provided that prescriptions of management of the grassland over the fire danger period are secured by agreed terms entered into by the landholder (see below)

Criteria

1) Setback Distances and Radiant Heat Measures

Neighbourhood Safer Places should provide protection to people from lethal levels of radiant heat by providing an appropriate separation distance between fire hazards, particularly vegetation and the site of the Neighbourhood Safer Place.

If a Neighbourhood Safer Place is an open space, the appropriate separation distance should be greater than 310 metres from the outer edge of the NSP to the fire hazard, or should be prescribed to ensure a maximum potential heat impacting on the site of no more than 2kw/m².

If a Neighbourhood Safer Place is a building, the appropriate separation distance greater than 140 metres from the outer edge of the building to the fire hazard or should be prescribed to ensure that the maximum potential heat impacting on the building is no more than 10kw/m².

| | | North Aspect | East Aspect | South Aspect | West Aspect |
|------------------------------------|-----------------------------|--------------|-------------|--------------|-------------|
| Setback distance (m) | Actual | 63 | N/A | N/A | N/A |
| | Prescribed (Grassland Only) | N/A | N/A | N/A | N/A |
| Radiant Heat (Kw/ m ²) | Actual | 1.95 | N/A | N/A | N/A |
| | Prescribed (Grassland Only) | | | | |

2) The following is only to be completed if grassland areas require further and specified management over the fire danger period

| Recommendation | Y/N |
|---|----------|
| There must be prescriptions for management of the grassland over the fire danger period, secured by agreed terms entered into by the landholder. | N |
| The identified treatment of the grassland be included within the MFPP or MFMP (whichever is relevant) and is the responsibility of Council to facilitate and if required enforce the treatment during the fire danger period. | N |
| Treatments and Prescriptions: | |

PRINT CFA OFFICER NAME: Tony Brady

DATE: 16.04.2018



Neighbourhood Safer Places – Places of Last Resort
Preliminary Site Assessment Form



Signature Page

Location Details:

(Obtain location details from the CRM)

| | | |
|----------------------------|--------------------------------|-----------------------|
| CRM ID Number | 1000096629 | |
| Municipality | Golden Plains | |
| Main Location | Smythesdale Recreation Reserve | |
| Sub Location | Area in front of main Pavilion | |
| Address | Heales Rd | |
| Township | Smythesdale | Postcode 3351 |
| GPS Coordinates (optional) | Latitude 37°38'38"S | Longitude 143°40'55"E |
| Location Type | Building | Open Space X |
| Best Access to Site | Heales Rd | |
| Brief Description of Use | Recreation Purposes | |

Preliminary Site Assessment Officer Details:

| | |
|----------------|------------|
| Name | Tony Brady |
| Contact Number | 0400573943 |
| Date | 22/04/2018 |
| Signature | |

Assessment Result:

| | | | |
|-------------------------------------|-----------|--------------------------|---------------|
| <input checked="" type="checkbox"/> | COMPLIANT | <input type="checkbox"/> | NON-COMPLIANT |
|-------------------------------------|-----------|--------------------------|---------------|

| | |
|--------------------------|--|
| <input type="checkbox"/> | PRESRIPTIONS OF MANAGEMENT TO BE SECURED FOR COMPLIANCY (Option for Grassland areas only) |
|--------------------------|--|

Endorsement Details:

| | Manager Community Safety | Operations Manager |
|-----------|--------------------------|--------------------|
| Name | Michael Boatman | Brett Boatman |
| Date | 24/04/2018 | 24/4/18 |
| Signature | | |



Neighbourhood Safer Places – Places of Last Resort

Preliminary Site Assessment Form



Site Assessment Details

CRM ID Number

Main Location

Sub Location

Address

Location Type Building Open Space

Assessed By **Date**

CIG/LRP Yes No ***VFRR Rating of locality**

*Extreme/ Very High/ High /Medium /Low/Not Assessed

| Vegetation Types | | | | | | | | |
|-------------------------------|------------------------|----------|------------|-----------------------|----------------------------|----------------------|---------------------|--|
| Assessment | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| AS3959 | Forest | Woodland | Scrub | Shrub land | Rainforest | Mallee / Mulga | Grassland | No Classified Vegetation (i.e. cultivated garden; water) |
| Bushfire Attack Assessor Tool | Wet Sclerophyll Forest | Woodland | Tall Heath | Shrub land (Chenopod) | Rainforest (closed forest) | Mallee / Mulga Scrub | Grassland (pasture) | N/A |

| Assessment Table | | | | | |
|--|---|--------------|----------------------------|----------------------------|----------------------------|
| Assessment Factors | | North Aspect | East Aspect | South Aspect | West Aspect |
| Vegetation Type | | Grassland | No Classifiable Vegetation | No Classifiable Vegetation | No Classifiable Vegetation |
| Vegetation Height (m) | | 200mm | N/A | N/A | N/A |
| Tonnes per Hectare [as entered into the BAA] | | | | | |
| Separation Distance (m) <small>(To predominant Vegetation type)</small> | Actual | 63m | N/A | N/A | N/A |
| | Prescribed (Grassland ONLY - if applicable) | | | | |
| Site Slope (°) | | 0 | 0 | 0 | 0 |
| Effective Slope (°) | | 0 | 0 | 0 | 0 |



Neighbourhood Safer Places – Places of Last Resort
Preliminary Site Assessment Form



Site Assessment Details continued.

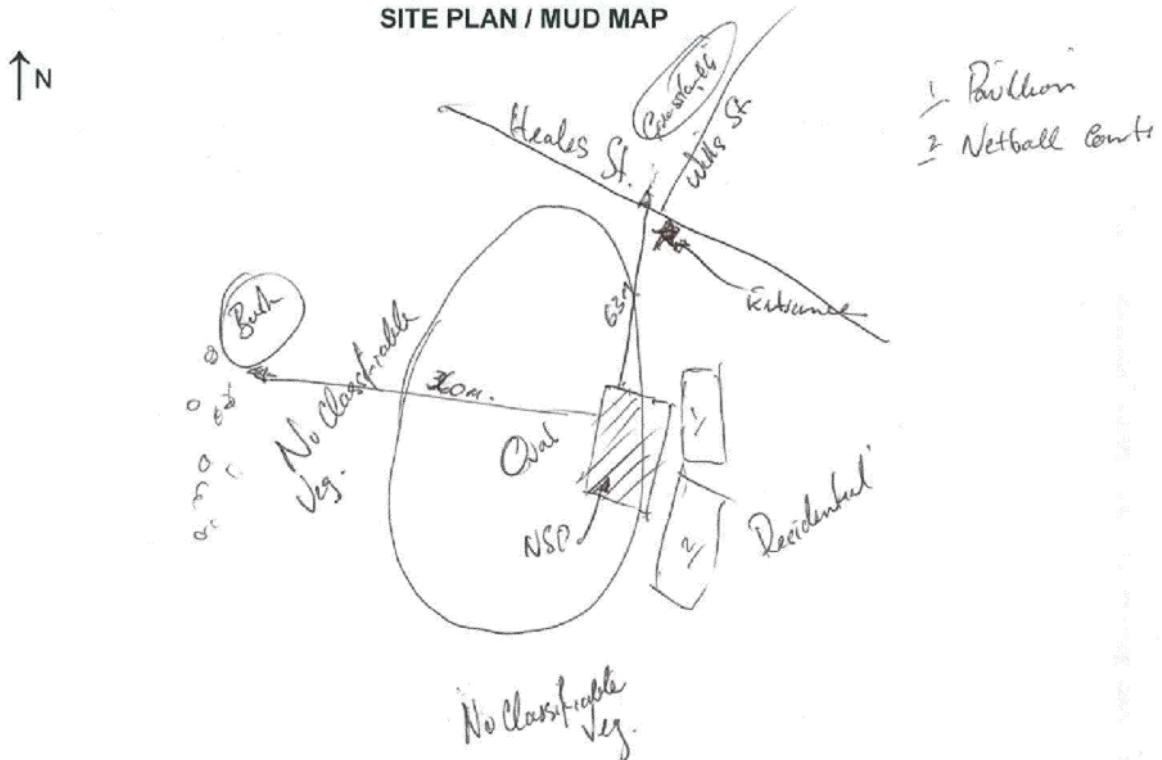
| Assessment Table | | | | |
|---|-----------------------|--|--------------|-------------|
| Assessment Factors | North Aspect | East Aspect | South Aspect | West Aspect |
| Deemed to Satisfy Slope – (Yes/No) <small>(Effective Slope less than 20 degrees)</small> | YES | YES | YES | YES |
| Deemed to Satisfy - Distance (Yes/No) <small>(Setback distance equal to or greater than 140m for a building or 310m for an open space)</small> | NO | YES | YES | YES |
| Actual - Calculated Heat Flux (kW/m2) <small>(If Deemed to satisfy distance or slope is 'No' - Calculate the potential Radiant Heat Flux using the Bushfire Attack Assessor)</small> | 1.95k/wm ² | N/A | N/A | N/A |
| Prescribed – Calculated Heat Flux (kW/m2) <small>(Grasslands areas ONLY if treatments and prescriptions are applicable – Calculate the potential Radiant Heat Flux using the Bushfire Attack Assessor)</small> | | | | |
| Overall NSP Criteria Achieved (Yes/No) | YES | YES | YES | YES |
| Treatments & Prescriptions (For Grassland areas ONLY if applicable) | Nil | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| RESULT (Tick) | X | Compliant Meeting the CFA assessment criteria on the day of assessment. | | |
| | | Prescriptions of Management to be Secured for Compliancy Meeting the assessment criteria provided that prescriptions of management of the grassland over the fire danger period are secured by agreed terms entered into by the landholder. | | |
| | | Non-Compliant Not meeting the CFA assessment criteria on the day of assessment. | | |



Neighbourhood Safer Places – Places of Last Resort
Preliminary Site Assessment Form



SITE PLAN / MUD MAP



MAPPING NOTE: Refer to NSP Mapping Guide: Complete 'NSP Assessment Map' displaying precisely the location point and extent of the NSP assessed area, distance to vegetation from perimeter of assessed area/building, and best entry point (attach to NSP CRM 'Local Council Out' Folder). A 'NSP Photo Location Map' is also required to capture location and direction of site photos for CFA records only (attach to NSP CRM).

PHOTO REFERENCE TABLE

| Photo # | Aspect | Photo Details |
|---------|--------|---|
| 1 | South | Proposed NSP Site |
| 2 | North | Looking towards Heales St and Entrance |
| 3 | East | Looking towards Pavilion |
| 4 | South | Looking south from the edge of the NSP Site |
| 5 | West | Taken from the centre of the oval |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

PHOTOS NOTE: Capture photos of all aspects (N, E S, W) to support assessment data. Use table information to identify and reference photos and photo location map (attach to NSP CRM) for CFA record purposes.



BUSHFIRE ATTACK ASSESSMENT REPORT

For Site Located at: Smythesdale NSP North Aspect

1. User's Input

Vegetation: Grassland(pasture)
Slope (degree): 0
Distance(m): 63
Flame Angle (degree): 87
Elevation of Radiation Receiver (m): 2
Site Slope (degree): 0

2. Program's Settings

Flame Width (m): 100
Flame Temperature (K): 1200
Flame Emissivity: .95
Surface Available Fuel Load (t/ha): 2
Overall Fuel Load (t/ha): 2
Vegetation Height (m): .2
Fire Danger Index: 80
Wind Speed (km/h): 45
Heat of Combustion (kJ/kg): 18600
Rate of Fire Spread Calculated by: Grassland (Noble et al. 1980)
Flame Length Calculated by: Nelson Equation
Modelling Atmosphere Attenuation: Yes

3. Output

Rate of Fire Spread (km/h): 10.4
Fire Intensity (kW/m): 10747
Transmissivity: .763
Flame Length (m): 3.91
Radiant Heat Flux (kW/m²): 1.95
Category of Attack: Low
Level of Construction Required: No Requirement

Date Assessed: Tuesday, 24 April 2018

Assessed By:



| | |
|--|---|
| | This map has been produced in the <xxxxxx> Region Date Prepared: |
| <div style="display: flex; align-items: center;"> </div> | |
| <h2>Smythesdale NSP</h2> | |
| Legend <ul style="list-style-type: none"> NSP Site_310m_Buffer NSP_Site DSE Regions CFA Brigade Response Boundaries | Explanation: <small> STATEMENT OF WORK: TO PROVIDE A VISUAL REPRESENTATION OF THE NSP SITE, THE 310M BUFFER, THE DSE REGIONS, AND THE CFA BRIGADE RESPONSE BOUNDARIES. THE MAP IS FOR INFORMATIONAL PURPOSES ONLY AND DOES NOT CONSTITUTE A CONTRACT. THE CFA IS NOT RESPONSIBLE FOR ANY DAMAGE OR LOSS OF PROPERTY OR PERSONAL INJURY ARISING FROM THE USE OF THIS MAP. </small> |

