# Bushfire Attack Level (BAL) Certificate

**Determined in accordance with AS3959**

This Certificate has been issued by a person accredited by the Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.

## Property Details and Description of Works

| | | | | | |
|---|---|---|---|---|---|
| **Address Details** | **Unit No.** | **Street No.** | **Lot no** | **Street Name / Plan Reference** | |
| | | | 39 | WEBSTER RD | |
| | **Suburb** | | | | **State** |
| | WONNERUP | | | | WA |
| **Local Government area** | CITY OF BUSSELTON | | | | |
| **Main BCA class of the building** | Class 1A | | | | |
| **Description of the building or works** | New Single Dwelling | | | | |

## Determination of the Highest Bushfire Attack Level

| AS 3959 Assessment Procedure | Vegetation Classification | Effective Slope | Separation Distance | BAL |
|---|---|---|---|---|
| Method 1 | Class C - Shrubland | 0°/Upslope | 20m | BAL – 12.5 |

## BPAD Accredited Practitioner Details

**Name: Jordan Ghasseb**

**Company Details: Structerre Consulting Engineers**

I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018 (Incorporating Amendments 1).

I hereby declare that I am a BPAD accredited bushfire practitioner

Accreditation Number: BPAD64988

Signature



Date 17/09/2026

Authorised Practitioner Stamp

*Reliance on the assessment and determination of the Bushfire Attack Level contained in this certificate should not extend beyond a period of 12 months from the date of issue of the certificate. If this certificate was issued more than 12 months ago, it is recommended that the validity of the determination be confirmed with the Accredited Practitioner and where required, an updated certificate.*

# AS 3959 Bushfire Attack Level (BAL)

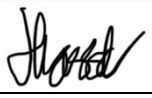
## Assessment Report

This report has been prepared by a representative from Structerre Consulting Engineers using the Simplified Procedure (Method 1) as detailed in Section 2 of AS 3959 – 2018 (Incorporating Amendment No 1) All enquiries related to information and conclusion presented in this report must be forwarded to the representative whose details appear below.

| Client details | |
|---|---|
| Client | GEOFF OGDEN |
| Number | |

| Site Details | | | |
|---|---|---|---|
| Address | LOT 39 WEBSTER RD | | |
| Suburb | WONNERUP | **State** | WA |
| Local Government | CITY OF BUSSELTON | | |
| Building Type | Class 1A | | |

| Report Details | |
|---|---|
| Job Number | S1229634 |
| Assessment Date | 14 September 2026 |
| Report Date/Version | 17 September 2026 V1 |

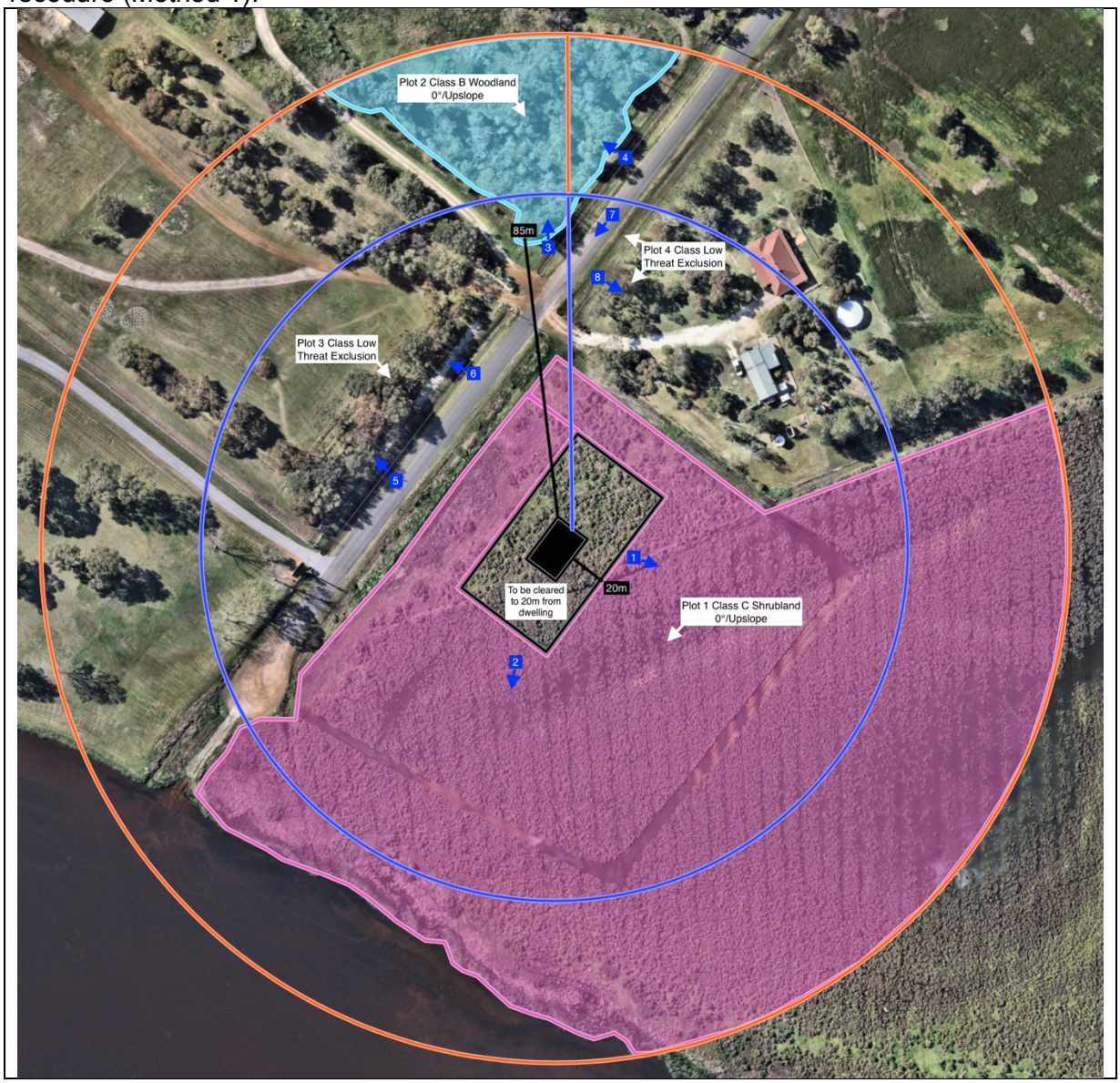
| Structerre Consulting Engineers Representative | |
|---|---|
| Name | Jordan Ghasseb |
| Employee Title | BAL Assessor |
| Signature |  |
| Accreditation No: BPAD64988<br>Accreditation Expiry Date: July 2027 | BPAD Bushfire Planning & Design Accredited Practitioner Level 1 |

## TABLE OF CONTENTS

1.0 SITE ASSESSMENT & SITE PLANS ..... 4
2.0 VEGETATION CLASSIFICATION ..... 5
3.0 RELEVANT FIRE DANGER INDEX ..... 9
4.0 POTENTIAL BUSHFIRE IMPACTS ..... 9
5.0 BUSHFIRE ATTACK LEVEL (BAL) ..... 9
6.0 EXPLANATORY NOTES ..... 10
APPENDIX A: PROPOSED SITE PLAN ..... 11
APPENDIX A: NOTES ..... 11

## 1.0 SITE ASSESSMENT & SITE PLANS

The assessment of this site / development was undertaken on 14/09/2026 for the purpose of determining the Bushfire Attack Level (BAL) in accordance with AS 3959 – 2018 Simplified Procedure (Method 1).




| Key | | Vegetation Plot Shading | |
|---|---|---|---|
| | 150m Wide buffer | | Class A Forest |
| | 100m Wide buffer | | Class B Woodland |
| | Proposed building envelope | | Class C Scrubland |
| | Distance to vegetation | | Class D Scrub |
| | Distance measurements | | Class G Grassland |
| 1 | Photo location and direction | | Slope Degrees |
| N | North Direction | | |

**Note: The 150m radius depicted on the site plan is used to identify any classifiable vegetation from the centroid of the proposed building envelope. Any vegetation greater than 100m from the proposed building envelope is excluded from classification as per AS-3959.**

## 2.0 VEGETATION CLASSIFICATION

All vegetation within 100m of the site/proposed development was classified in accordance with Clause 2.2.3 of AS 3959-2018. Each distinguishable vegetation area with the potential to determine the bushfire level is identified below.

| **Plot 1 Class C Shrubland** | |
|---|---|
| Description / Justification for Classification | |
| Shrubs <2 m high with foliage cover greater than 30%. Understorey may contain grasses. Typical for coastal dune areas, arid and semi-arid zones. | Photo 1<br><br><br>Photo 2<br><br> |

## Plot 2 Class B Woodland

Description / Justification for Classification

Trees 2-30 metres high with foliage cover in the range of 10 to 30 per cent at maturity, dominated by Eucalypts and Acacias. Woodlands generally lack the shrubby middle layer and deep surface litter layer that is characteristic of forests and have more grassy ground layer.

Photo 3

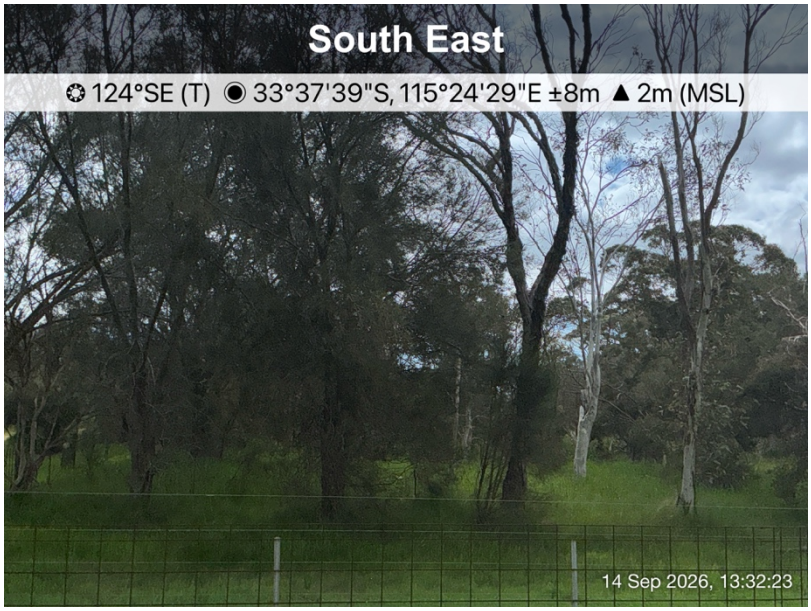
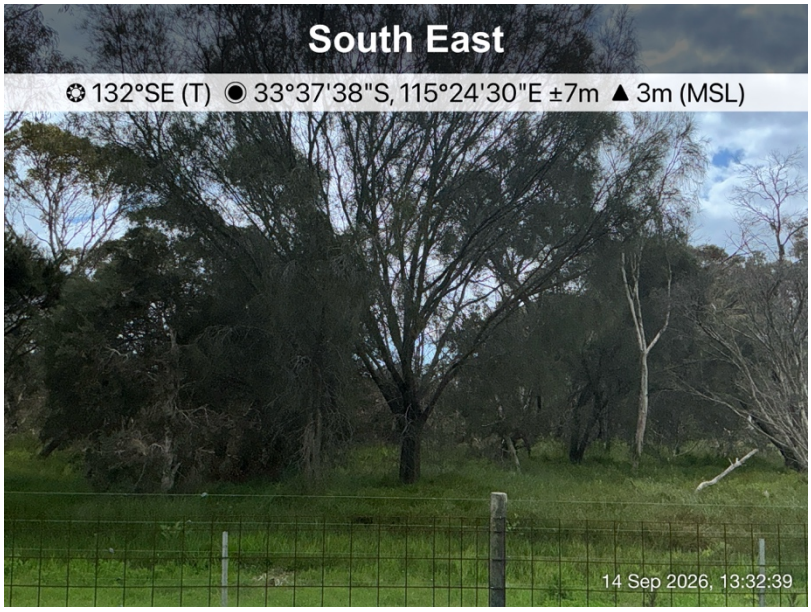



Photo 4



## Plot 3 Class Low Threat Exclusion

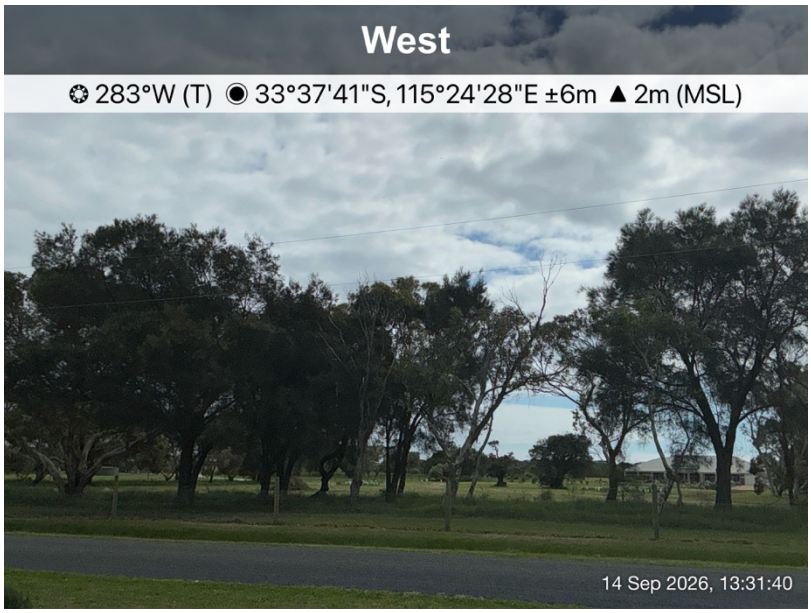
Description / Justification for Classification

Exclusion 2.2.3.2 (d) Strips of vegetation less than 20m in width (measured perpendicular to the elevation exposed to the strip of vegetation) regardless of length and not within 20m of the site or each other, or other areas of vegetation being classified vegetation.

Photo 5




Photo 6



| Plot 4 Class Low Threat Exclusion | |
|---|---|
| Description / Justification for Classification | |
| Exclusion clause 2.2.3.2 (e) & (f) being built up area including buildings, roads, maintained gardens etc. | Photo 7<br><br>Photo 8<br> |

## 3.0 RELEVANT FIRE DANGER INDEX

The fire danger index for this site has been determined in accordance with Table 2.1 or otherwise determined in accordance with jurisdictional variation applicable to the site.

| | | | |
|---|---|---|---|
| FDI 40 ☒<br>Table 2.4.5 | FDI 60 ☒<br>Table 2.4.4 | **FDI 80 ☑<br>Table 2.4.3** | FDI 100 ☒<br>Table 2.4.2 |

## 4.0 POTENTIAL BUSHFIRE IMPACTS

The potential bushfire impact to the site / proposed development from each of the identified vegetation areas are identified below.

| Plot | Vegetation Classification | Effective slope | Separation | Exclusions | BAL |
|---|---|---|---|---|---|
| 1 | Class C Shrubland | 0°/Upslope | 20m | - | 12.5 |
| 2 | Class B Woodland | 0°/Upslope | 85m | - | 12.5 |
| 3 | Class Low Threat Exclusion | - | - | 2.2.3.2 (d) | LOW |
| 4 | Class Low Threat Exclusion | - | - | 2.2.3.2 (e) & (f) | LOW |
| | | | | | |

## 5.0 BUSHFIRE ATTACK LEVEL (BAL)

The Determined Bushfire Attack Level (highest BAL) for the site / proposed development has been determined in accordance with clause 2.2.6 of AS 3959-2018 using the above analysis.

| | |
|---|---|
| Determined Bushfire Attack Level | **BAL – 12.5** |

The determined Bushfire Attack Level has been assigned based on the vegetation within 100m of the site at the time of the assessment.

**This report is valid for a period of 12 months from the date of issue.**


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Phone (+618) 9205 4500 | Fax (+618) 9205 4501 | Email wageotechsite@structerre.com.au | Web www.structerre.com.au
ABN 71 349 772 837 Zemla Pty Ltd ACN 008 966 283 as trustee for the Young Purich and Higham Unit Trust trading as Structerre Consulting Engineers

## 6.0 EXPLANATORY NOTES

A bushfire attack level (BAL) Assessment is a means of measuring the severity of a buildings potential exposure to ember attack, radiant heat and direct flame contact in a bushfire event, and thereby determining the construction measures required for the dwelling. The methodology used for the determination of the BAL rating, and the subsequent building construction standards, are directly referenced from the Australian Standard AS3959-2018 construction of buildings in bushfire prone areas.

The BAL rating is determined through identification and assessment of the following parameters

- Fire Danger index (FDI) Rating; assumed to be FDI-80 for WA;
- All classified vegetation **within 100m** of the subject building;
- Separation distance between the building and the classified vegetation source/s; and
- Slope of the land under the classified vegetation.

AS3959-2018 has six (6) levels of BAL, based on the radiant heat flux exposure to the building, and also identifies the relevant sections for building construction; this is shown in the table below.

| Bushfire Attack Level (BAL) | Classified vegetation within 100m of the site and heat flux exposure thresholds | Description of predicted bushfire attack and levels of exposure | Construction Sections |
|---|---|---|---|
| **BAL-LOW** | See clause 2.2.3.2 | There is insufficient risk to warrant specific construction requirements. | 4 |
| **BAL-12.5** | ≤ 12.5kW/m2 | Ember attack. | 3 & 5 |
| **BAL-19** | ≥ 12.5kW m2 to ≤19kW m2 | Increasing levels of ember attack and burning debris ignited by windborne embers together with increasing heat flux. | 3 & 6 |
| **BAL-29** | ≥ 19kW m2 to ≤29kW m2 | Increasing levels of ember attack and burning debris ignited by windborne embers together with increasing heat flux. | 3 & 7 |
| **BAL-40** | ≥ 29kW m2 to ≤40kW m2 | Increasing levels of ember attack and burning debris ignited by windborne embers together with increasing heat flux with the increased likelihood of exposure to flames. | 3 & 8 |
| **BAL-FZ** | > 40kW m2 | Direct exposure to flames from fire front in addition to heat flux and ember attack. | 3 & 9 |

*Reference: AS 3959 Construction of buildings in bushfire-prone areas Table 3.1*

***Please contact this office for a bushfire checklist, this allows for your plans to be cross-referenced with AS3959 Construction of buildings in bushfire-prone areas, to comply with the required upgrades.***

## APPENDIX A: PROPOSED SITE PLAN

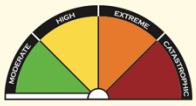
Whilst AS 3959 sets out to improve the performance of buildings when subjected to bushfire attack in a designated bushfire-prone area, it does not guarantee that a building will survive a bushfire event on every occasion.

This assessment has been conducted in conjunction with the site plans provided by the client as provided in Appendix A, and is limited to the surrounding environment within 100m of the proposed building at the time of the assessment only.




## APPENDIX A: NOTES

Whilst AS 3959 sets out to improve the performance of buildings when subjected to bushfire attack in a designated bushfire-prone area, it does not guarantee that a building will survive a bushfire event on every occasion.




15 October 2025 – 30 November 2025

**Restricted Burning Period**

*A Permit to Burn is required during Restricted Burning Period. Permits obtained via your local Fire Control Officer (details on the City's website).*

PERMITTED

*Pizza ovens, enclosed BBQs (Kettle/Egg style) and smokers when the Fire Danger Rating is High, Moderate or No Rating

Braziers, chimineas, open BBQs, fire pits, camping fires, cooking fires when the Fire Danger Rating is Moderate or No Rating

1 December 2025 - 28 February 2026

**Prohibited Burning Period**

*DURING THE PROHIBITED PERIOD, YOU ARE NOT ALLOWED TO BURN. Certain activities are exempt from permits subject to the conditions below. Any item not listed is prohibited.*

PERMITTED

*Pizza ovens, enclosed BBQs (Kettle/Egg style) and smokers for cooking when the Fire Danger Rating is High, Moderate or No Rating

NOT PERMITTED

**DO NOT USE** *Braziers, chimineas, open BBQs, fire pits, camping fires, cooking fires or any other open flame appliance.*

1 March 2026 – 30 April 2026

**Restricted Burning Period**

*A Permit to Burn is required during Restricted Burning Period. Permits obtained via your local Fire Control Officer (details on the City's website).*

PERMITTED

*Pizza ovens, enclosed BBQs (Kettle/Egg style) and smokers when the Fire Danger Rating is High, Moderate or No Rating

Braziers, chimineas, open BBQs, fire pits, camping fires, cooking fires when the Fire Danger Rating is Moderate or No Rating

Note: * *BBQs, pizza ovens, and smokers can only be used if all safety requirements are met. For full details on what is required before use, please visit: www.busselton.wa.gov.au/permits-burning-information*

For more information scan the QR code or visit the *Bushfire Risk Reduction Notice* page on the City of Busselton website:

busselton.wa.gov.au/bushfire-risk-reduction-notice

Should you require assistance or clarification of the requirements of this notice, please contact the City's **Ranger Services** on **9781 0444**.

Guidelines for preparing and maintaining your property to reduce the risk of bushfire. CATEGORY 2

# Bushfire Risk Reduction Notice 2025-2026

**Alternative formats may be sourced through contacting the City of Busselton as per the contact details below.**

**If you require an interpreter,** contact us via the Translating and Interpreting Services (TIS National) on 13 14 50.

Your property falls under:

**Category 2**

All lots greater than 1,100m² but less than 5ha (50,000m²)

Property Maintenance Period

**15 November 2025 - 30 April 2026**

Most land in the City of Busselton whether in a built up or rural area, is considered Bushfire Prone. There is a legal requirement to comply with the Bushfire Risk Reduction Notice requirements applicable to your property size.

City of Busselton
Geographe Bay

T (08) 9781 0444
E city@busselton.wa.gov.au
www.busselton.wa.gov.au
2 Southern Drive Busselton
Western Australia
Locked Bag 1 Busselton WA 6280

Join Our Community

City of Busselton
Geographe Bay

EXAMPLE ONLY
WASTE PASS NOT FOR USE

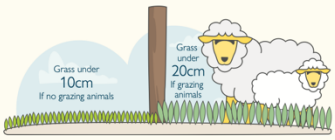
EXAMPLE ONLY
WASTE PASS NOT FOR USE

Green Waste FREE PASS

CATEGORY 2

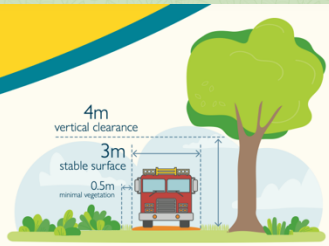
**All lots greater than 1,100m² but less than 5ha (50,000m²)**

**For properties with habitable buildings***




### Maintain grasses and weeds

Under 10cm if no grazing animals, or under 20cm if there are actively grazing animals on the property.




### Driveways/Accessways

If the building is further than 20m from the road then a driveway/accessway must:

- Have a 3m wide firm and stable surface that can support a fire vehicle
- Have a 4m vertical clearance
- Each side of the driveway should have as minimal vegetation within half a metre each side for as far as practically possible to allow for working space for fire crews.



### Turnaround area

***If the building is further than 50m from the road***

and there is only one access in and out, then a turn around area within 20m of the habitable buildings is to be installed and maintained. The turn around area can be any material (grass, dirt, gravel etc), if it is able to support the weight of a fire truck. This area should have the same vegetation set backs as the driveway/accessway.

* *Habitable buildings are structures people live or work in.*

**Vacant Lots**

### Maintain grasses and weeds

Under 10cm if no grazing animals, or under 20cm if there are grazing animals on the property.

*If there is a Current Bushfire Management Plan that applies to your property you are required to also ensure that the requirements of that plan are implemented in addition to your responsibilities under this notice.*



**House gutters to be kept clear of materials.**



**Flammable material to be managed or moved 5m from buildings.**



**Vegetation within 20m of buildings to be actively maintained and/or reticulated.**




**Trees within 2m of buildings to have branches pruned away from building.**

***Any branches overhanging must be at least 5m higher than the roof.***

*Landowners/occupiers who would like an early inspection by appointment, for reasons including dangerous animals, biosecurity, locked gates, or for an explanation on requirements of this notice, should contact Rangers by* ***1 October 2025****.*

*To book an inspection by appointment or* ***apply for a variation*** *to the requirements for your property please submit a written application by* ***1 October 2025****.*

EXAMPLE ONLY
WASTE PASS NOT FOR USE

EXAMPLE ONLY
WASTE PASS NOT FOR USE

Green Waste FREE PASS