

Bushfire Risk Assessment and Treatment Plan

Geographe Primary School & Education Support Centre

Report Details			
Address:	Clydebank Avenue		
Suburb:	Busselton WA 6280		
Local Government Area	City of Busselton		
CM9 File Number:	D01699	Report Version:	1.0
Field Assessment Date:	17-Mar-21	Report Date:	17-May-21
DFES Assessor:	Bushfire Risk Management Liaison Officer		
Risk Rating	VERY HIGH		
Supporting Notes: • Geographe Primary School is on the Bushfire Zone Register (BZR). This treatment plan has been prepared to assist Department of Education (DoE) and the school with managing bushfire risk. • Site visit was attended by School Principal, school gardener and Department of Fire and Emergency Services (DFES) Bushfire Risk Management Liaison Officer. • Generally, the school grounds are well maintained. DFES advised that there must be at least 1 metre clearance from the buildings for any future planting within the 20m asset protection zone • Once treatment plan is implemented, School is responsible to maintain the Asset Protection Zone (APZ) in perpetuity as depicted in Map 3.1. • <u>Before the commencement of any treatments stated in this report, contractors are to consult with the Principal and School administration are to be notified.</u>			

1 Environmental Sensitivities and Considerations

ENVIRONMENTAL SENSITIVITIES CHECK

Sensitivities identified: YES ☒ NO ☐

This treatment plan includes vegetation modification and as such Department of Fire and Emergency Services (DFES) has undertaken a preliminary check for environmental sensitivities. The following environmental sensitivity has been identified and will require further consideration by Department of Education Environmental services (DoE);

- Threatened Ecological Communities (TEC) (Restricted) (DBCA-038)
- Threatened and Priority Fauna (DBCA-037)
- Ecological Communities of National Environmental Significance
- Species of National Environmental Significance - EPBC Threatened Flora
- Species of National Environmental Significance - EPBC Threatened Fauna
- Acid Sulfate Soil Risk

Notes for Contractor:

For any environmental concerns or queries, please contact DoE Environmental Services before any works on the school site are initiated or undertaken. Contact DoE Environmental Services via email:

EnvironmentalServices.SAP.CO@education.wa.edu.au.

Department of Education Environmental Services confirm that the treatment plan has adequately considered environmental and amenity factors.

Phil Brewer DoE Environmental Services Representative	Endorsed Date: 19 May 2021
Comments-	

2 Compliance

2.1 Responsibilities

The following table identifies the parties responsible for the implementation and compliance of the treatment strategies.

Table 1 Implementation and Compliance Responsibilities

Treatment Strategy	Responsibility	Implementation and Compliance
Asset Protection Zone	School Department of Education	To maintain a low fuel state in the Asset Protection Zone in perpetuity as depicted by Map 3.1. To maintain information on the Ikon web page for Bushfire Preparedness.
Prescribed Burning	Local Government Department of Fire and Emergency Services Department of Education School Principal	To conduct the burn when the lead agency. To conduct the burn when the lead agency. To maintain information on the Ikon web page for Bushfire Preparedness. To confirm when the Prescribed Burning is completed.
Vehicular Access	Local Government	To provide Vehicular Access in Accordance with State Planning Policy 3.7.
Mechanical Works	School Department of Education	To provide sign off when treatments contained in Bushfire Risk Assessment and Treatment Plan (BFRATP) are completed. To maintain the database for treatments and information on the Ikon web page for Bushfire Preparedness.
Building Construction to AS3959	Department of Education	When applicable, comply with State Planning Policy 3.7, Local Government Firebreak Regulations or AS3959 when building or constructing in Bushfire Prone Areas.
Stand-alone Bushfire Plan	School Principal Department of Education	To prepare, review and submit a Standalone Bushfire Plan annually via SharePoint system. To monitor school compliance in relation to their annual Standalone Plan Bushfire requirements prior to the next Bushfire Season.

3 Maps and Geospatial Information

3.1 Asset Protection Zone and Hazard Separation Zone Map

The following map identifies the 20m asset protection zone (APZ) and 80m hazard separation zone (HSZ) areas surrounding the school. The school is responsible for maintaining the area within the asset protection zone as per the 'Principal's Guide to Bushfire'.

Asset and Protection Zone Map



Figure 1 Map of School Site with APZ/HSZ.

4 Contractor and School Managed Treatment Items - Contractor

4.1 Preparedness and AS3959 Construction Items

The following treatment items aim to:

- Improve access arrangements to assist firefighting operations; and
- Improve the survivability of the building.

The final column is to be signed by the school principal once the work is completed. Contractor invoices can only be processed once signatures are received. Please refer to preceding **3.3 Preparedness and AS3959 Construction Item Map** for Item locations.

Table 2 List of Contractor Preparedness and AS3959 Construction Treatment Items

Map Item ref	Treatment Strategy	Treatment works required	Contractor Quote	Date completed	Principal Signature
N/A	N/A	N/A			

4.2 Fuel Management Items - Contractor

The following Treatment Items are to be implemented by the responsible representatives. Please refer to the preceding **3.2 Fuel Management Items Map** for Fuel Management Item locations.

- Trimming and pruning of tree branches should be such that a 3m gap is created between the branches and the building where possible.
- All works to be completed to Australian Standard 4373-2007 Pruning of Amenity Trees. All green waste is to be removed from site, unless a written statement confirming otherwise is provided.
- Where the treatment plan includes tree removal, this item shall also include stump removal / grinding.

Where AS 4373-2007 cannot be met, please contact **DoE Environmental Services** for further advice-
Phone: 9264 0111 Email: EnvironmentalServices.SAP.CO@education.wa.edu.au

Table 3 List of Contractor Fuel Management Treatment Items

Map Item ref	Treatment Strategy	Treatment works required	Date completed-	Signature
1	Asset Protection Zone/ Hazard Separation Zone	Remove dead vegetation, self-seeding saplings (not physically planted) less than 0.1metres in diameter and under 2metres in height, acacia shrubs, non-natives and weeds. Establish 1metre clearance around base of trees and under prune trees up to 2metres.		
2	Asset Protection Zone	Remove dead vegetation, weeds and sapling x1 circled in images. Remove creeper of tree and establish 1metre clearance around water tank, base of trees and under prune trees up to 2metres in height.		

Map Item ref	Treatment Strategy	Treatment works required	Date completed-	Signature
3	Asset Protection Zone/ Hazard Separation Zone	In area- Remove dead vegetation, weeds and non-natives Establish 1metre clearance from fence. Establish 1metre clearance around base of trees and under prune trees up to 2metres. Establish 1metre clearance around the outside of fence containing the gas tank. Divide clumps of vegetation into separate species (rosemary, lavender, acacia etc) with a 1metre clearance or into 5x1m² areas of vegetation separated with a 1metre clearance.		
4	Asset Protection Zone/ Hazard Separation Zone	Remove saplings less than 0.1metres in diameter and under 2metres in height. Under prune trees up to 2metres. Prune row of shrubs back to 2metres in height and prune shrub branches within 2metres of wall.		
5	Asset Protection Zone	Establish a 1metre clearance of vegetation around the base of trees and fire hydrant		
6	Asset Protection Zone	Remove dead vegetation. Establish 1metre clearance around power box, switchboard, lamp post and trees. Under prune trees up to 2metres		
7	Asset Protection Zone	Remove dead vegetation and prune vegetation within 2metres of roof. Under prune trees up to 2metres.		

4.2.1 Fuel Management Items – Contractor

Item 1



Item 1a



Item 1b



Item 1c



Item 1d



Item 1e



Item 1f



Item 2



Item 2a



Item 2b



Item 2c



Item 3



Item 3a



Item 3b



Item 3c



Item 3d



Item 3e



Item 3f



Item 3g



Item 3h



Item 3i



Item 3j



Item 4



Item 4a



Item 4b



Item 4c



Item 4d

DIRECTION
276 deg(T)

33.66575°S
115.32831°E

ACCURACY 65 m
DATUM WGS84



Geographe Primary
School and ESC

2021-03-17
13:11:06+08:00

Item 5

DIRECTION
69 deg(T)

33.66584°S
115.32843°E

ACCURACY 65 m
DATUM WGS84



Geographe Primary
School and ESC

2021-03-17
13:16:05+08:00

Item 5a



Item 5b



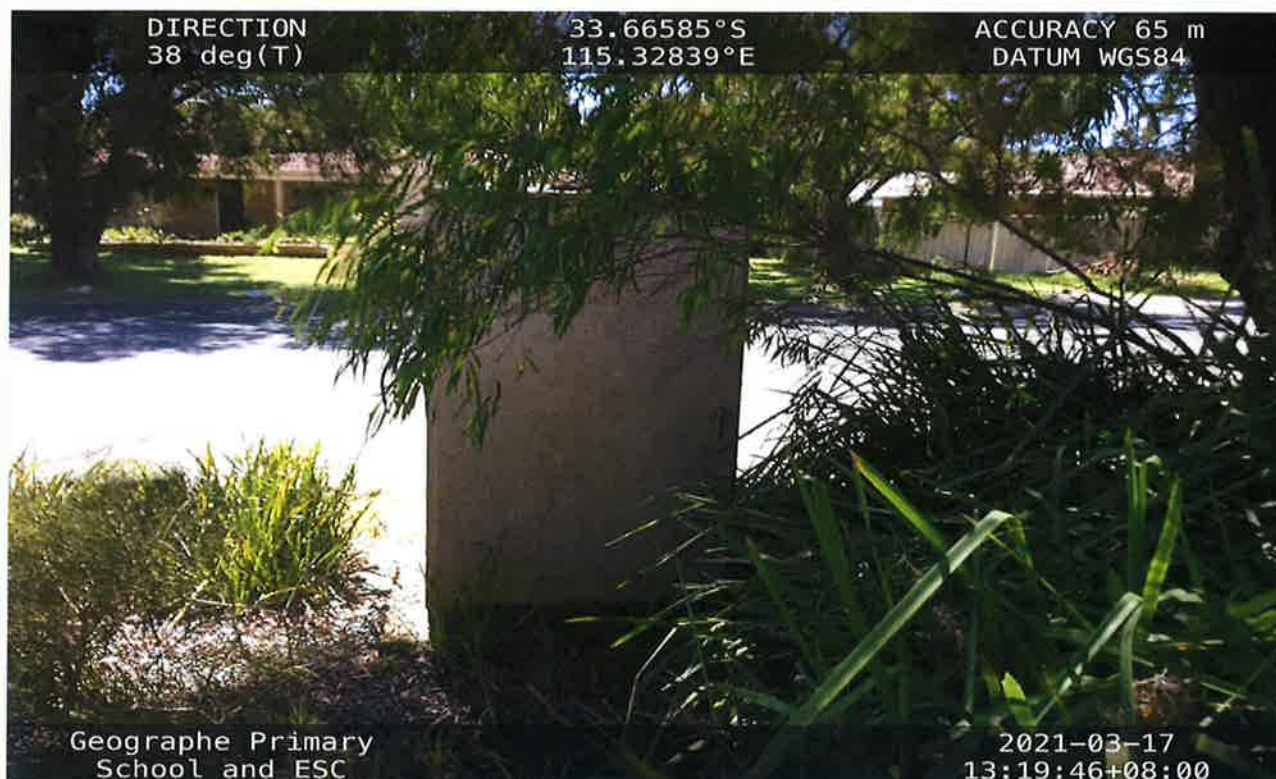
Item 6



Item 6a



Item 6b



Item 6c



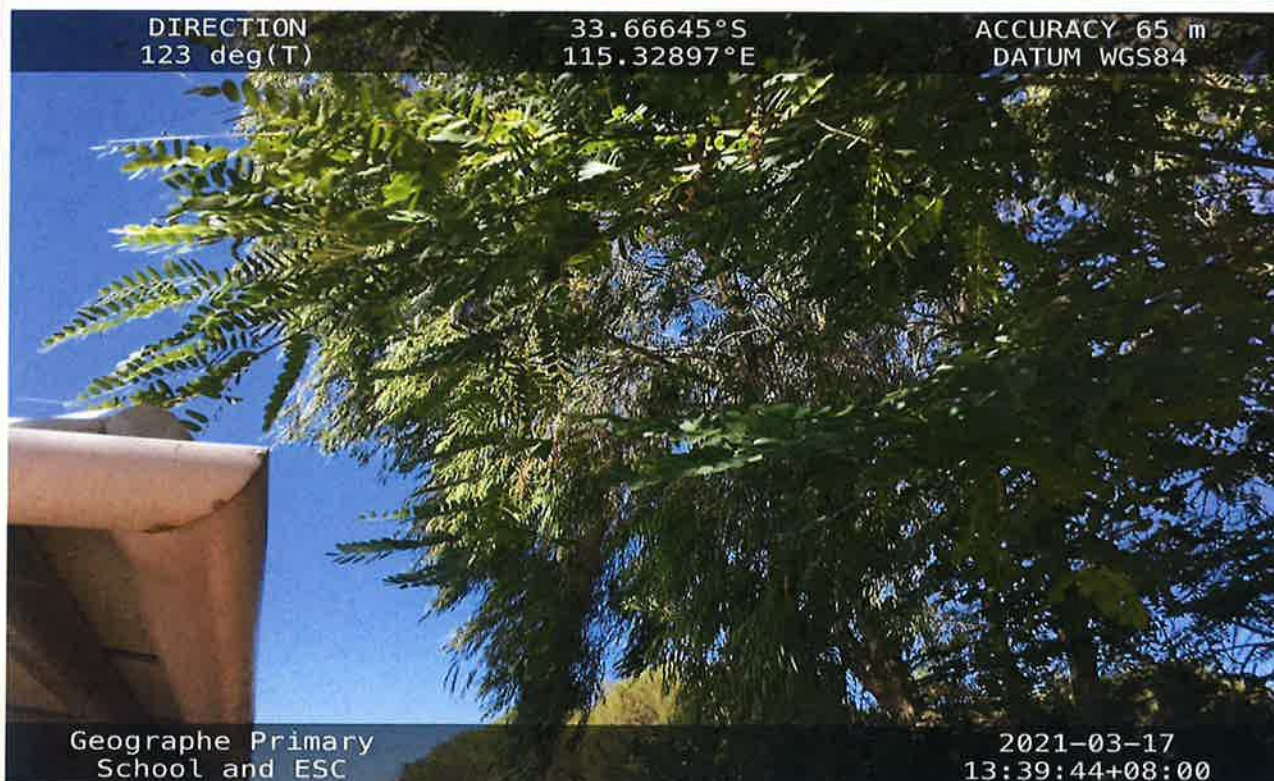
Item 6d



Item 7



Item 7a



Item 7b



4.3 School Managed Treatment Items - School

Please refer to the preceding **3.2 Fuel Management Items Map** for Fuel Management Item locations.

Table 4 List of School Fuel Management Treatment Items

Map Item ref	Treatment Strategy	Treatment works required	Date Completed	Principal Signature
N/A	N/A	N/A		

5 School Principal Approval

This section is to be signed by the school principal and returned to the Department of Fire and Emergency Services schools.bushfire@dfes.wa.gov.au before any work commences.

 Principal Geographe Education Support Centre	Approved / Not Approved Date: 24.5.21
 Principal Geographe Primary School	Approved / Not Approved Date: 24.5.21
Comments: 	

DISCLAIMER

This report (Report) has been produced independently by the Department of Fire and Emergency Services (DFES) on the request of the Department of Education (DoE). Neither DFES, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or any third party's use or the results of such use of any information contained in the Report.

The Report has been prepared solely for Geographe Primary School & Education Support Centre and use by DoE in management of potential bushfire risk impacting the existing site. The recommendations contained in the report do not guarantee freedom from damage in the event of a bushfire. All recommendations are made on the basis of information available at the time of the preparation. DFES shall not be liable for any loss or damage.

This Report is valid for a period of 12 months from the date of issue. After this time the effectiveness of the bushfire risk management strategies detailed in this report should be revised and a new treatment plan prepared accordingly.