

Bushfire Risk Assessment and Treatment Plan

North Balga Primary School & North-East Metro LDC

Report Details			
Address:	30 Maitland Road		
Suburb:	Balga WA 6061		
Local Government Area	City of Stirling		
CM9 File Number:	D01644	Report Version:	1.0
Field Assessment Date:	29-Jul-22	Report Date:	29-Jul-22
DFES Assessor:	Bushfire Risk Management Liaison Officer – Amy Riebe		
Risk Rating	VERY HIGH		
Supporting Notes: <ul style="list-style-type: none"> • North Balga Primary School & North-East Metropolitan LDC are 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, Manger Corporate Services, school gardener and Department of Fire and Emergency Services (DFES) Bushfire Risk Management Liaison Officer. • The biggest hazard for the school is the risk posed by the scrub to the south of the school which is part of Princess Wallington Reserve. City of Stirling are undertaking bushfire mitigation works in the Reserve. DFES will request council remove all dead vegetation and saplings and under prune grasstrees in the area to the immediate south of the school boundary. • School is reminded to keep all access gates clear for fire truck access. • Increased scheduled gutter cleaning may be required ed for the buildings on the southern side of the school site. School to monitor during the Fire Danger Season. • 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)
- Public Drinking Water Source Areas (PDWSA) (DWER-033)
- Ecological Communities of National Environmental Significance
- Species of National Environmental Significance - EPBC Threatened Flora
- Species of National Environmental Significance - EPBC Threatened Fauna

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.

John McWilliams

DoE Environmental Services Representative

Endorsed

Date: 8 September 2022

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	To maintain a low fuel state in the Asset Protection Zone in perpetuity as depicted by Map 3.1.
	Department of Education	To maintain information on the Ikon web page for Bushfire Preparedness.
Prescribed Burning	Local Government	To conduct the burn when the lead agency.
	Department of Fire and Emergency Services	To conduct the burn when the lead agency.
	Department of Education	To maintain information on the Ikon web page for Bushfire Preparedness.
	School Principal	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	To provide sign off when treatments contained in Bushfire Risk Assessment and Treatment Plan (BFRATP) are completed.
	Department of Education	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	To prepare, review and submit a Standalone Bushfire Plan annually via SharePoint system.
	Department of Education	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'.



Figure 1 Map of School Site with APZ/HSZ.

North Balga Primary School & North-East Metro LDC

3.2 Fuel Management Items Map

The following map identifies the areas where physical bushfire management works for Fuel Management Items are proposed to be undertaken. Each Item is identified by a number and the corresponding Fuel Management Items are detailed in Section 4, for Contractors and for Schools if Items are applicable.

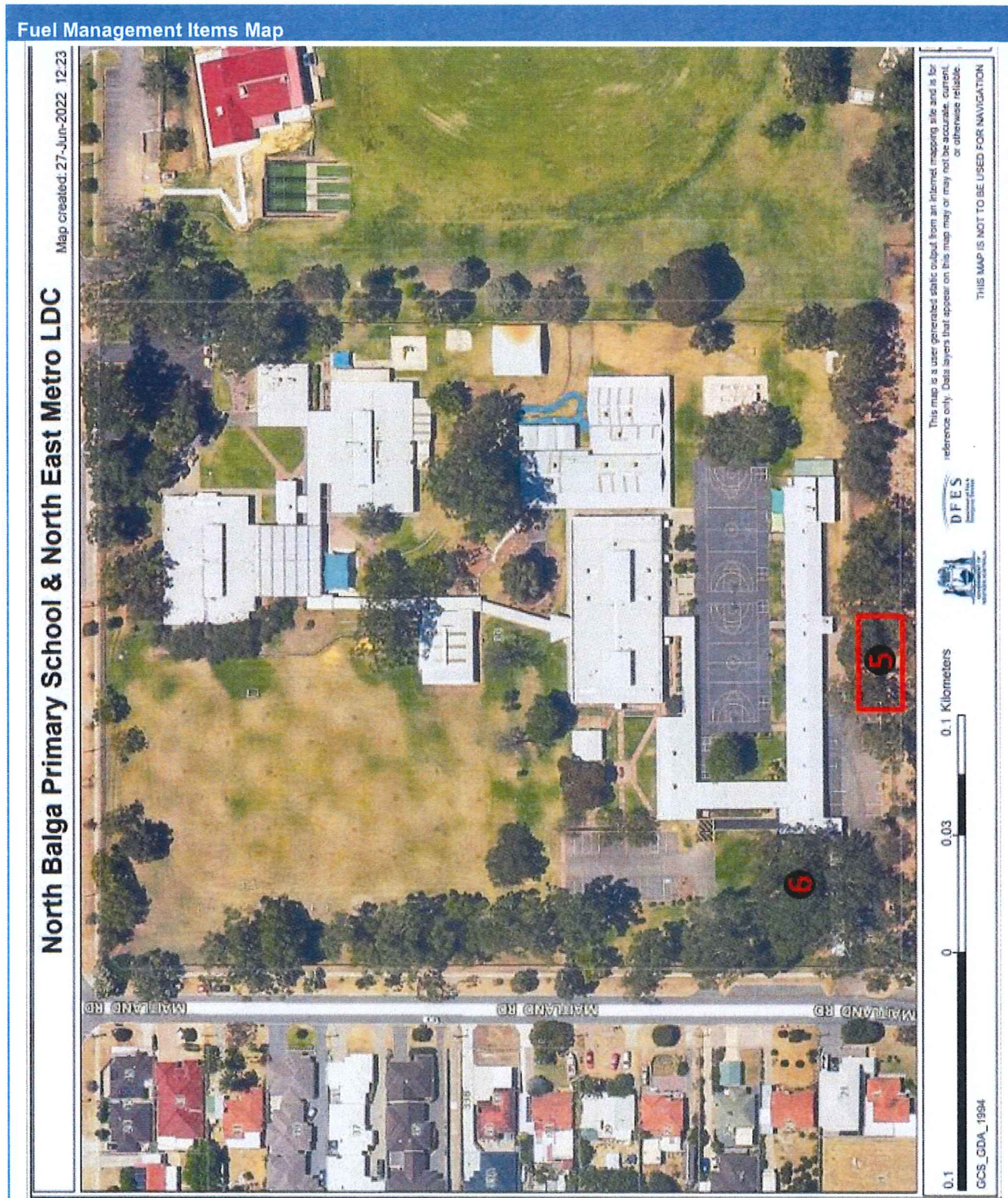


Figure 2 School site and location of Contractor and School Fuel Management Items.

3.3 Preparedness and AS3959 Construction Item Map

The following map identifies the areas where physical bushfire management works for Preparedness Items are proposed to be undertaken. Each Item is identified by a number and the corresponding Preparedness and AS3959 Construction Items for Contractors and are detailed in **Section 4.1**

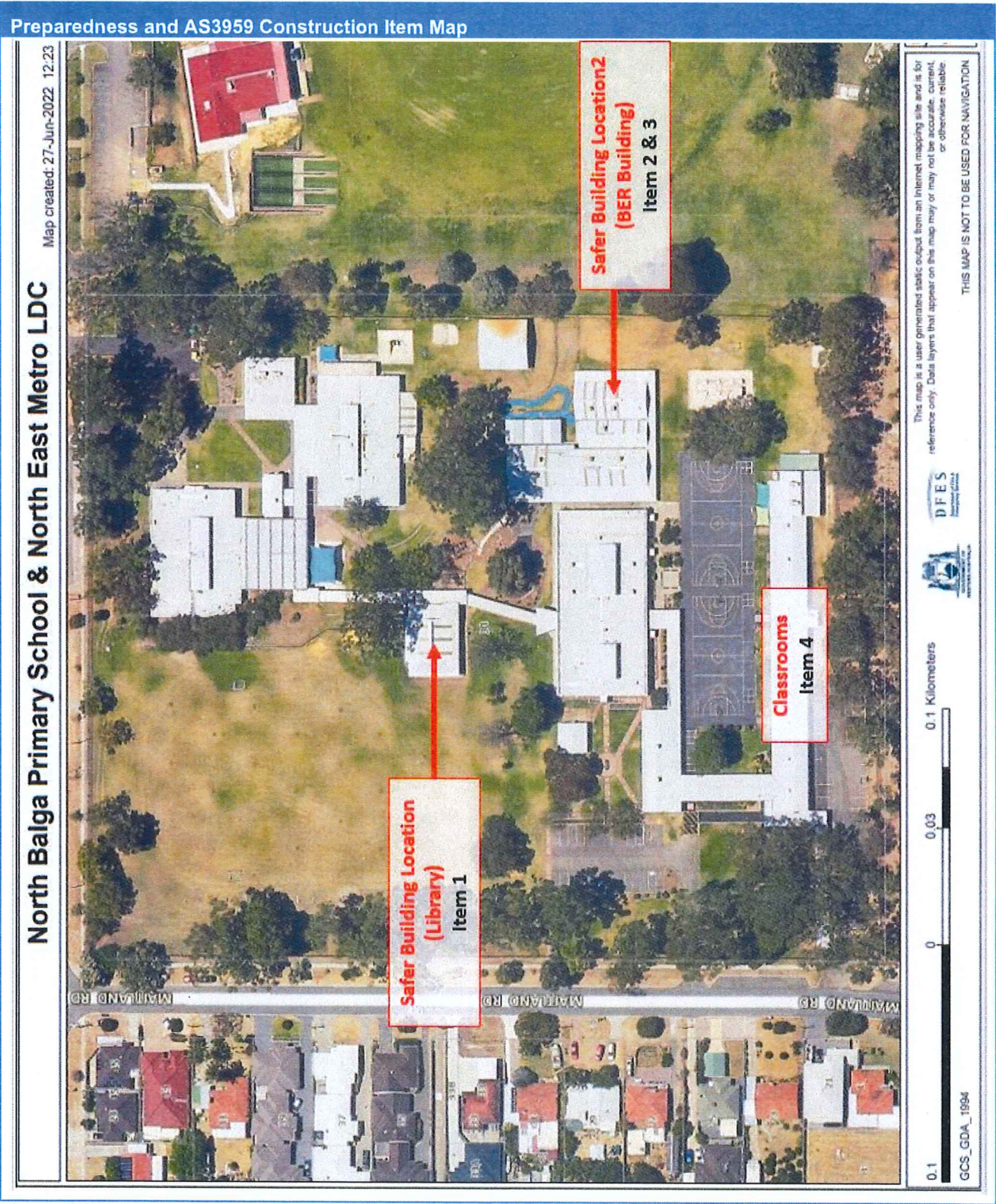


Figure 3 School site and location of Preparedness and AS3959 Construction Items.

4 Contractor 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.

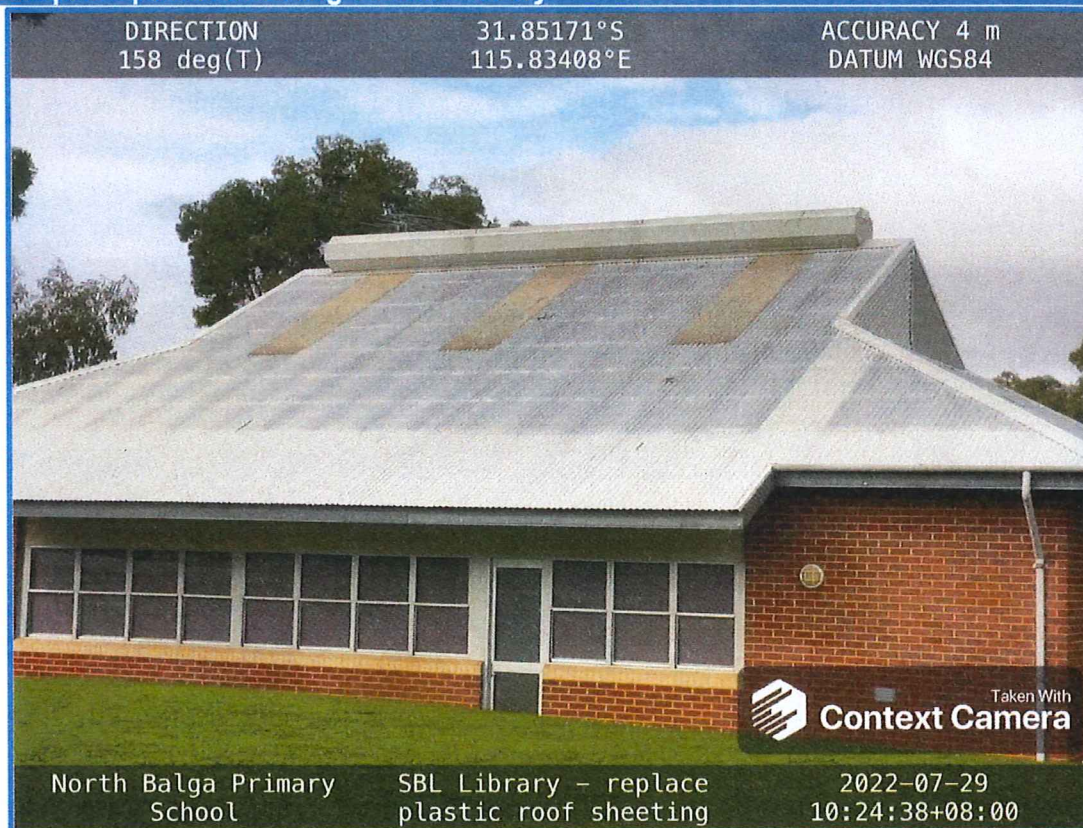
The final column is to be signed by the school principal once the work is completed. Contractor invoices can only be processed once signatures are received. Please refer to preceding **3.3 Preparedness and AS3959 Construction Item Map** for Item locations.

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
Item 1 SBL Library	Building and Construction	Replace plastic roof sheeting on Safer Building Location (Library) with sheeting in accord and compliant with section 5.6.3 of AS3959:2018			
Item 2 SBL BER Building	Building and Construction	External vents allowing embers to enter the Classrooms (building closest to hazard) are to be protected in accordance with section 5.4.3 of AS3959:2018			
Item 3 SBL BER Building	Building and Construction	All Door Seals requiring replacement on the SBL are to be in accord and comply with section 5.5.4 of AS3959:2018.			
Item 4	Building and Construction	External vents allowing embers to enter the Safer Building Location are to be protected in accordance with section 5.4.3 of AS3959:2018			

4.1.1 Preparedness and AS3959 Construction Items - Contractor

Item #1– Replace plastic sheeting on SBL Library



Item #2– Ember screens on external vents on SBL BER Building



Item #3– Check and repair door seals on all external facing doors on building



Item #4– Replace or repair ember screens on building



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
Item 5	Asset Protection Zone	In area, remove all vegetation excluding established mature trees.	25/01/23	<i>Mr Michael Kennedy</i>
Item 6	Asset Protection Zone	Prune dead branches from Pine Tree (circled in image). This will assist in breaking up the canopies of trees	25/01/23	<i>Mr Michael Kennedy</i>

4.2.1 Fuel Management Items – Contractor

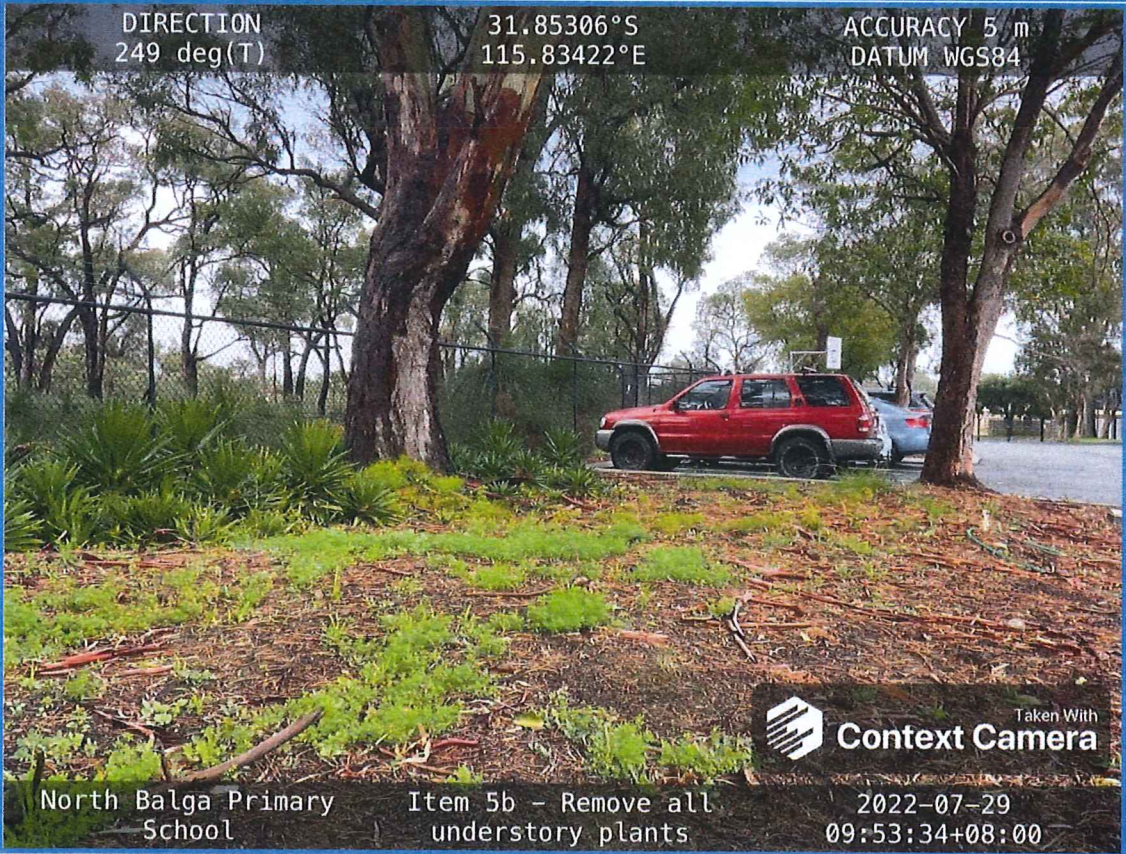
Item #5– Removal all vegetation excluding established mature trees



Item #5a– Removal all vegetation excluding established mature trees



Item #5b– Removal all vegetation excluding established mature trees



Item #6– Prune dead branches from Pine Tree



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 as a **FULL colour copy of the Report** to the Department of Fire and Emergency Services schools.bushfire@dfes.wa.gov.au before any work commences.

 Principal - North Balga Primary School & North-East Metropolitan LDC	Approved / <u>Not Approved</u> Date: <u>9/9/2022</u>
Comments:	

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The Report has been prepared solely for North Balga Primary School & North-East Metropolitan LDC 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.