

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 646 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	123.07 m	BAL-LOW

Practitioner Details

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

Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 647 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	108.13 m	BAL-LOW

Practitioner Details

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

Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 648 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	93.21 m	BAL-12.5* <small>Determined BAL can be reduced for future dwellings with an appropriate lot setback</small>

Practitioner Details

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

Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 649 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	72.17 m	BAL-12.5

Practitioner Details

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

Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 650 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	68.42 m	BAL-12.5

Practitioner Details

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

Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 697 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	38.63 m	BAL-12.5

Practitioner Details

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

Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 698 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	24.37 m	BAL-12.5* <small>Determined BAL can be reduced for future dwellings with an appropriate lot setback</small>

Practitioner Details

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

Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 699 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	39.98 m	BAL-12.5

Practitioner Details

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

Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 700 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	54.63 m	BAL-12.5

Practitioner Details

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

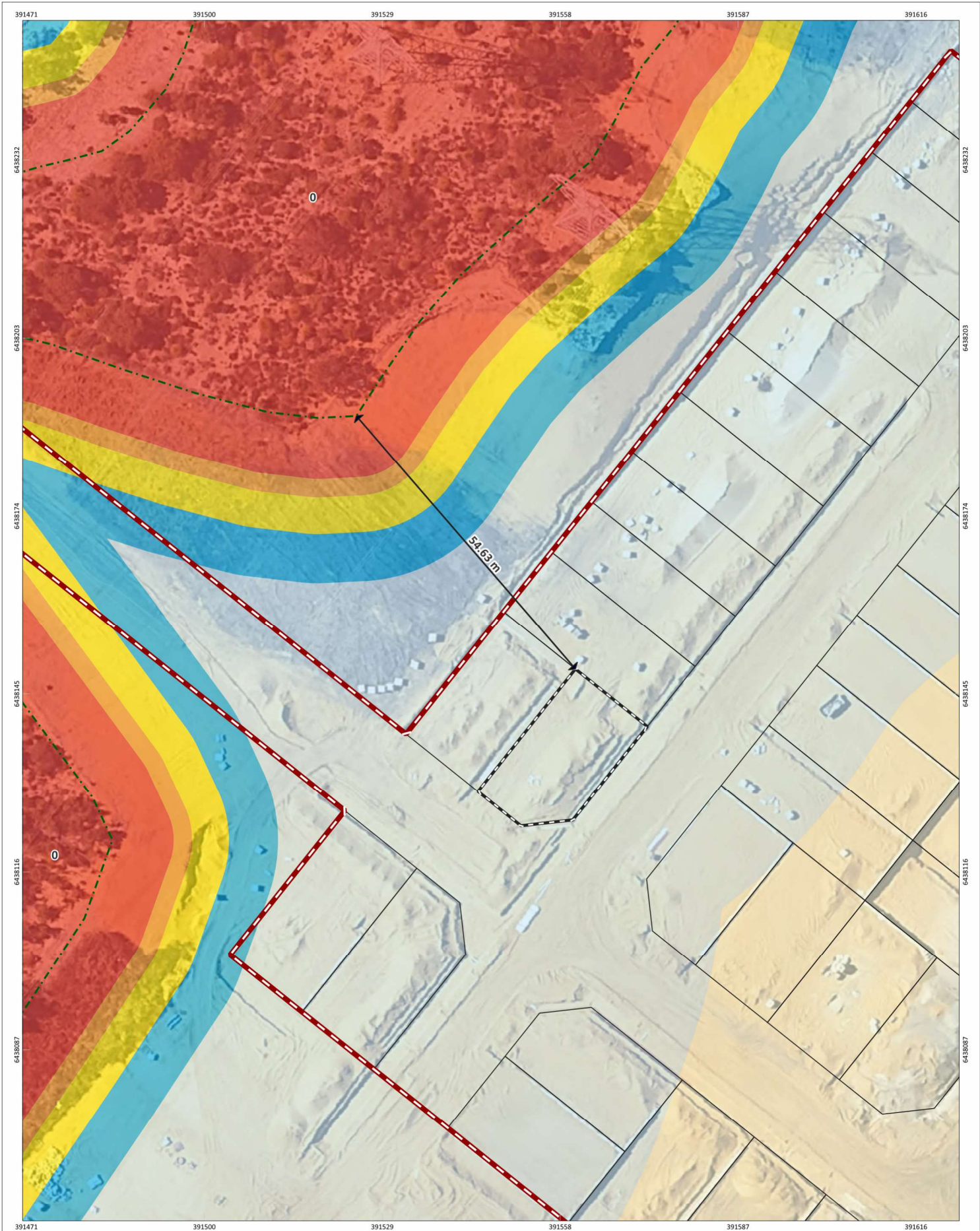
Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024



Bushfire Attack level (BAL) Contours - Lot 700

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Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 701 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	38.7 m	BAL-12.5

Practitioner Details

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

Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 702 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	38.78 m	BAL-12.5

Practitioner Details

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

Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 703 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	39.72 m	BAL-12.5

Practitioner Details

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

Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 704 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	38.02 m	BAL-12.5

Practitioner Details

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

Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 705 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	35.49 m	BAL-12.5

Practitioner Details

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

Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 706 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	34.6 m	BAL-12.5

Practitioner Details

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

Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 707 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	34.9 m	BAL-12.5

Practitioner Details

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

Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 708 - Stage 9 Apsley Estate, Mandogalup

Suburb: **State:** WA

Local Government Area:

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	36.98 m	BAL-12.5

Practitioner Details

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

Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 709 - Stage 9 Apsley Estate, Mandogalup

Suburb: State: WA

Local Government Area:

Use of building: Residential Dwelling Main BCA class: Class 1a

Report / Job Number: A23.122 Report Date: 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	37.87 m	BAL-12.5

Practitioner Details

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

Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 710 - Stage 9 Apsley Estate, Mandogalup

Suburb: State: WA

Local Government Area:

Use of building: Residential Dwelling Main BCA class: Class 1a

Report / Job Number: A23.122 Report Date: 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	40.13 m	BAL-12.5

Practitioner Details

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

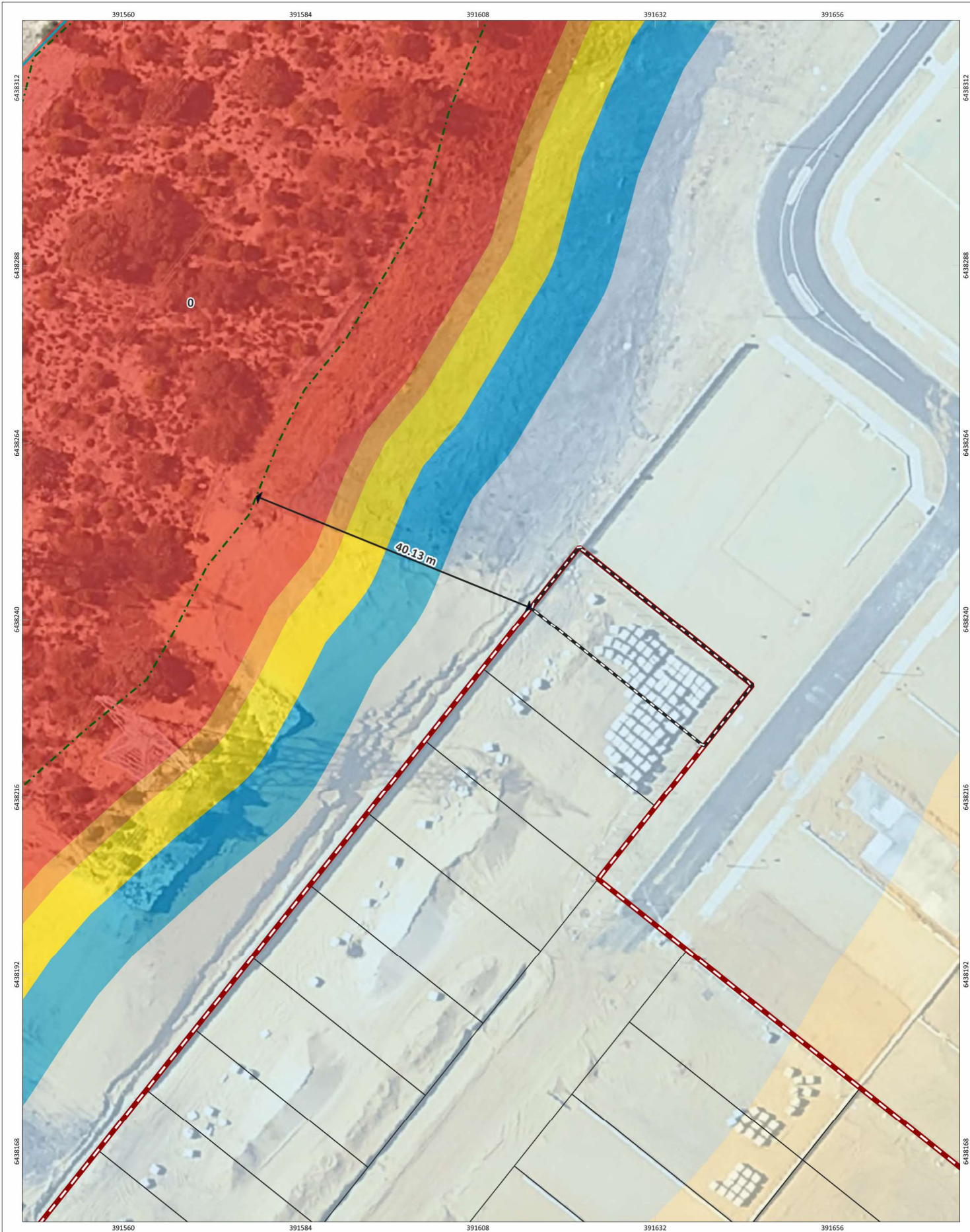
Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024



Bushfire Attack level (BAL) Contours - Lot 710

036912m

N

SCALE

1:478

SHEET SIZE

A3 COLOUR

COORDINATE REFERENCE SYSTEM

GDA2020 / MGA zone 50

DATA SOURCE

LANDGATE AERIAL IMAGERY Summer 2023

PROJECT/REPORT NAME

Bushfire Attack Level Report
Stage 9 Apsley Estate, Mandogalup

CLIENT

QUBE Property Group

PROJECT NUMBER

A23.122

VERSION

0

DRAWN BY / REVIEWED BY

SM/BF

DATE

19/7/2024

Subject Site

Buffer 100m

Buffer 150m

Bushfire Hazard Interface

Lot Location

Lots

Bushfire Attack Level (BAL)

BAL-FZ

BAL-40

BAL-29

BAL-19

BAL-12.5

BAL-LOW

No	Description	Drawn	Approved	Date
A	Original issue	SM	BF	29/7/2024

NOTES:
Cadastral boundary (LGATE-002).

Western Environmental Pty Ltd

08 6244 2310 | enquiries@westernenv.com.au

Level 1/25 Pioneer St, West Perth WA 6005

westernenv.com.au

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Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 720 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	80.12 m	BAL-12.5

Practitioner Details

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

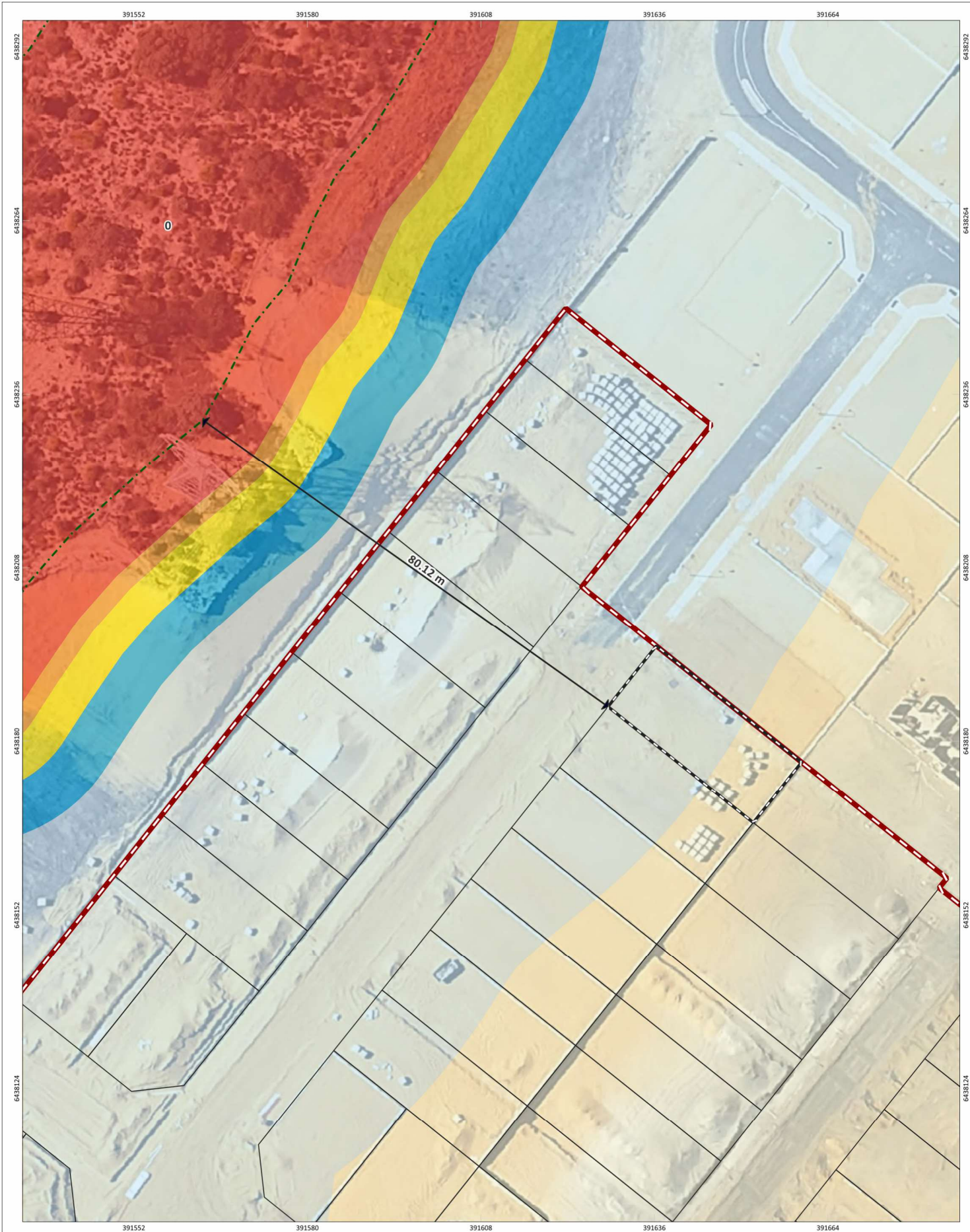
Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024



Bushfire Attack level (BAL) Contours - Lot 720

<div><div><div></div><div>036912m</div></div><div>N</div></div>		PROJECT/REPORT NAME Bushfire Attack Level Report Stage 9 Apsley Estate, Mandogalup		<div><div><div><div></div><div>Subject Site</div></div><div><div></div><div>Buffer 100m</div></div><div><div></div><div>Buffer 150m</div></div><div><div></div><div>Bushfire Hazard Interface</div></div><div><div></div><div>Lot Location</div></div><div><div></div><div>Lots</div></div></div><div><div><div>Bushfire Attack Level (BAL)</div><div><div><div>BAL-FZ</div><div>BAL-40</div><div>BAL-29</div><div>BAL-19</div><div>BAL-12.5</div><div>BAL-LOW</div></div></div></div></div></div>				<table><tr><th>No</th><th>Description</th><th>Drawn</th><th>Approved</th><th>Date</th></tr><tr><td>A</td><td>Original Issue</td><td>SM</td><td>BF</td><td>19/7/2024</td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table> <div>NOTES: Cadastral boundary (LGATE-002).</div>		No	Description	Drawn	Approved	Date	A	Original Issue	SM	BF	19/7/2024																				
No	Description	Drawn	Approved	Date																																			
A	Original Issue	SM	BF	19/7/2024																																			
SCALE 1:569	SHEET SIZE A3 COLOUR	CLIENT QUBE Property Group	PROJECT NUMBER A23.122	VERSION 0	<div><div><div></div><div>WESTERN ENVIRONMENTAL</div></div><div><div>Western Environmental Pty Ltd</div><div>08 6244 2310 enquiries@western.com.au</div><div>Level 1/25 Princes St, West Perth WA 6005</div><div>western.com.au</div></div></div>																																		
COORDINATE REFERENCE SYSTEM GDA2020 / MGA zone 50		DRAWN BY / REVIEWED BY SM/BF		DATE 19/7/2024																																			
DATA SOURCE LANDGATE AERIAL IMAGERY Summer 2023																																							

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 721 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	79.99 m	BAL-12.5

Practitioner Details

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

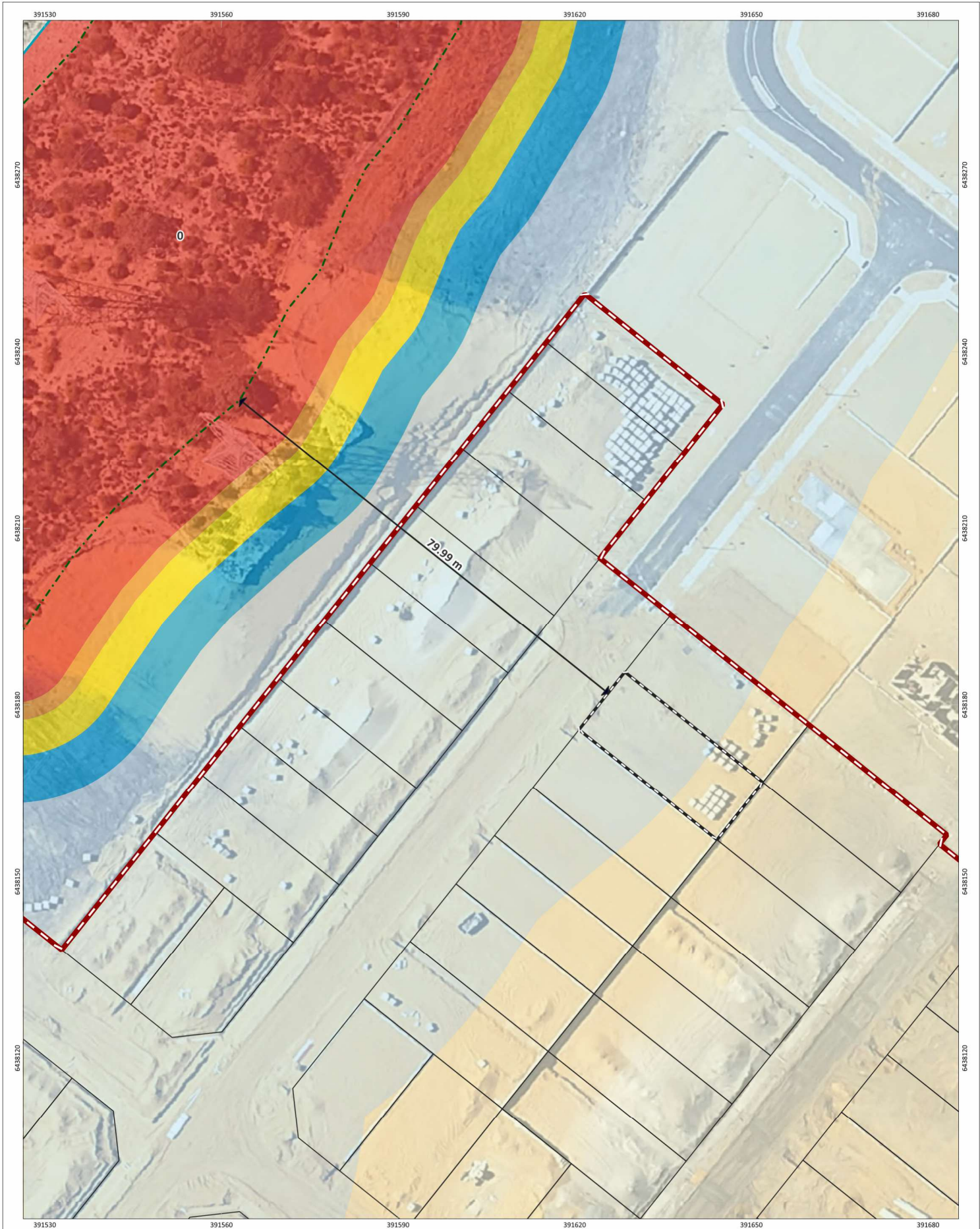
Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024



Bushfire Attack level (BAL) Contours - Lot 721

		PROJECT/REPORT NAME Bushfire Attack Level Report Stage 9 Apsley Estate, Mandogalup		Legend Subject Site Buffer 100m Buffer 150m Bushfire Hazard Interface Lot Location Lots	Bushfire Attack Level (BAL) BAL-FZ BAL-40 BAL-29 BAL-19 BAL-12.5 BAL-LOW		<table><thead><tr><th>No</th><th>Description</th><th>Drawn</th><th>Approved</th><th>Date</th></tr></thead><tbody><tr><td>A</td><td>Original issue</td><td>SM</td><td>BF</td><td>29/7/2024</td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></tbody></table> <p>NOTES: Cadastral boundary (LGATE-002).</p>	No	Description	Drawn	Approved	Date	A	Original issue	SM	BF	29/7/2024																 WESTERN ENVIRONMENTAL <small>Western Environmental Pty Ltd 08 6244 2310 enquiries@western.com.au Level 1/25 Power St, West Perth WA 6005 western.com.au</small>
No	Description	Drawn	Approved					Date																									
A	Original issue	SM	BF	29/7/2024																													
SCALE 1:598	SHEET SIZE A3 COLOUR	CLIENT QUBE Property Group	PROJECT NUMBER A23.122	VERSION 0																													
COORDINATE REFERENCE SYSTEM GDA2020 / MGA zone 50		DRAWN BY / REVIEWED BY SM/BF		DATE 19/7/2024																													
DATA SOURCE LANDGATE AERIAL IMAGERY Summer 2023																																	

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Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 722 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	80.38 m	BAL-12.5

Practitioner Details

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

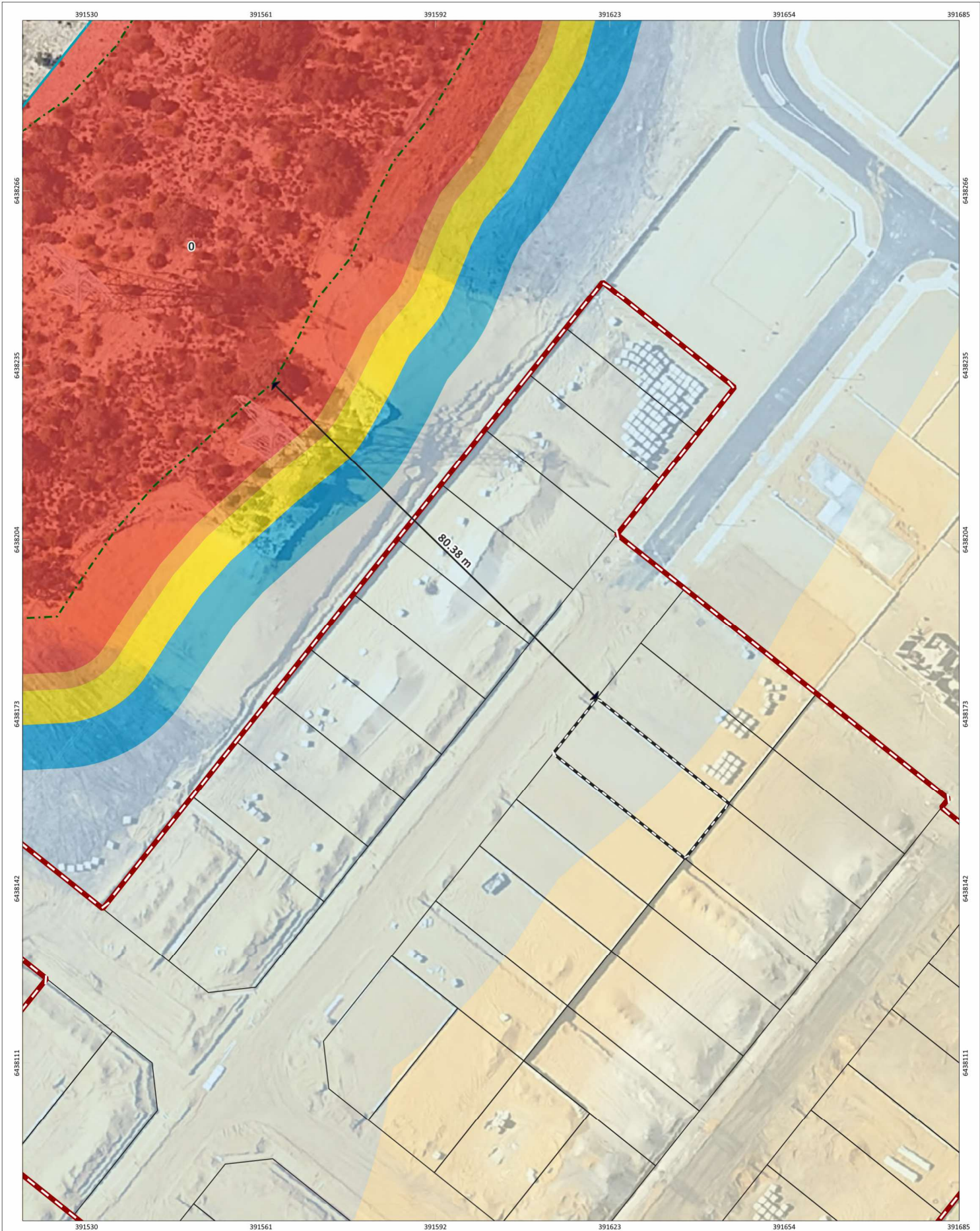
Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024



Bushfire Attack level (BAL) Contours - Lot 722

0 3 6 9 12 m

N

SCALE

1:627

SHEET SIZE

A3 COLOUR

PROJECT/REPORT NAME

Bushfire Attack Level Report
Stage 9 Apsley Estate, Mandogalup

CLIENT

QUBE Property Group

COORDINATE REFERENCE SYSTEM

GDA2020 / MGA zone 50

PROJECT NUMBER

A23.122

VERSION

0

DATA SOURCE

LANDGATE AERIAL IMAGERY Summer 2023

DRAWN BY / REVIEWED BY

SM/BF

DATE

19/7/2024

Legend

Subject Site

Buffer 100m

Buffer 150m

Bushfire Hazard Interface

Lot Location

Lots

Bushfire Attack Level (BAL)

BAL-FZ

BAL-40

BAL-29

BAL-19

BAL-12.5

BAL-LOW

No	Description	Drawn	Approved	Date
A	Original issue	SM	BF	29/7/2024

NOTES:
Cadastral boundary (LGATE-002).

WESTERN
ENVIRONMENTAL

Western Environmental Pty Ltd
08 6244 2310 | enquiries@western.com.au
Level 1/25 Princes St, West Perth WA 6005
western.com.au

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Designed and Assembled by AC

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 723 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	82.5 m	BAL-12.5

Practitioner Details

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

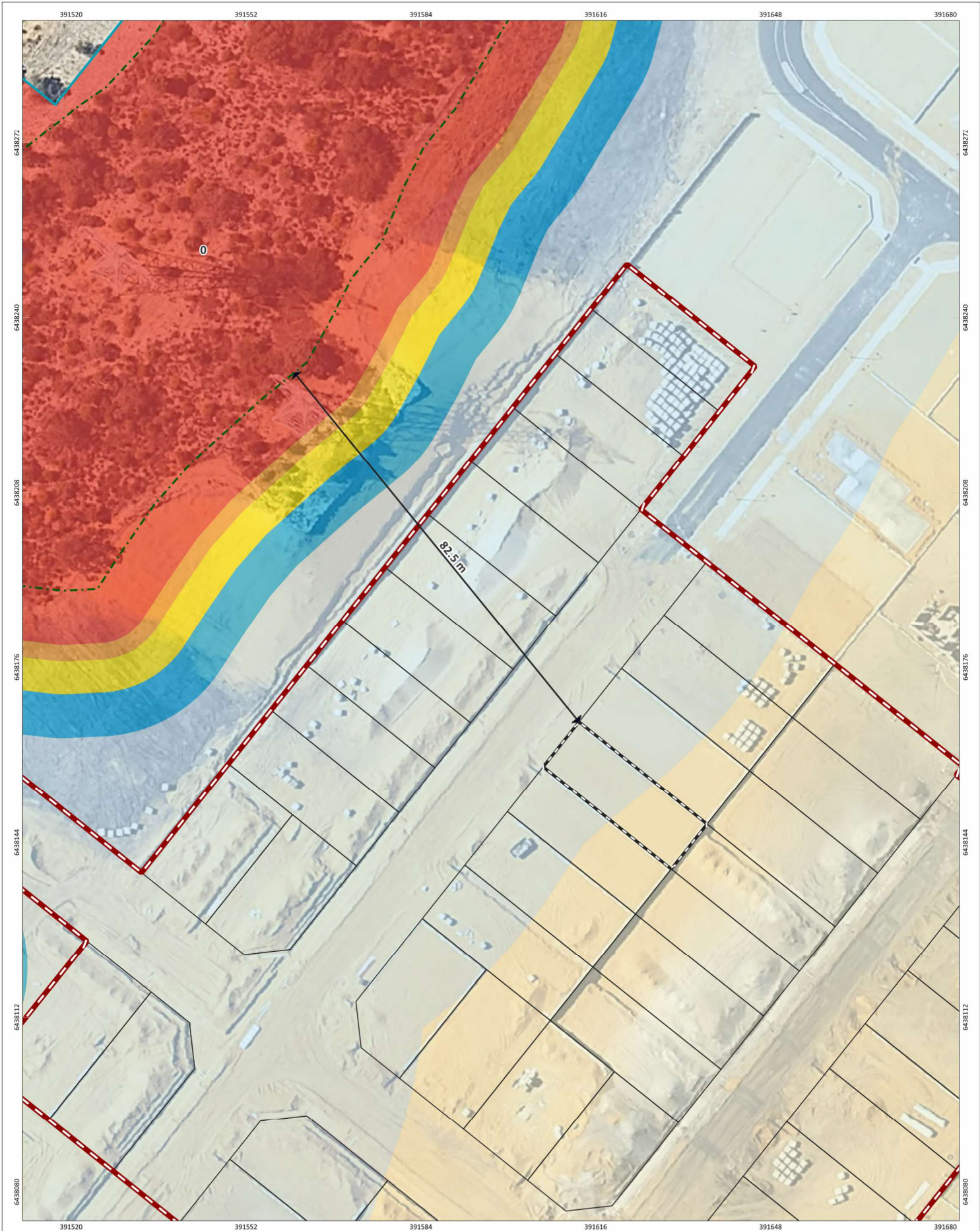
Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024



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Bushfire Attack level (BAL) Contours - Lot 723

<div><div><div></div><div></div></div><div>036912m</div></div>		PROJECT/REPORT NAME Bushfire Attack Level Report Stage 9 Apsley Estate, Mandogalup		<div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><di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Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 724 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	84.51 m	BAL-12.5

Practitioner Details

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

Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 725 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	84.13 m	BAL-12.5

Practitioner Details

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

Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 726 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	84.09 m	BAL-12.5

Practitioner Details

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

Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 727 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	84.69 m	BAL-12.5

Practitioner Details

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

Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 728 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	97.24 m	BAL-12.5

Practitioner Details

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

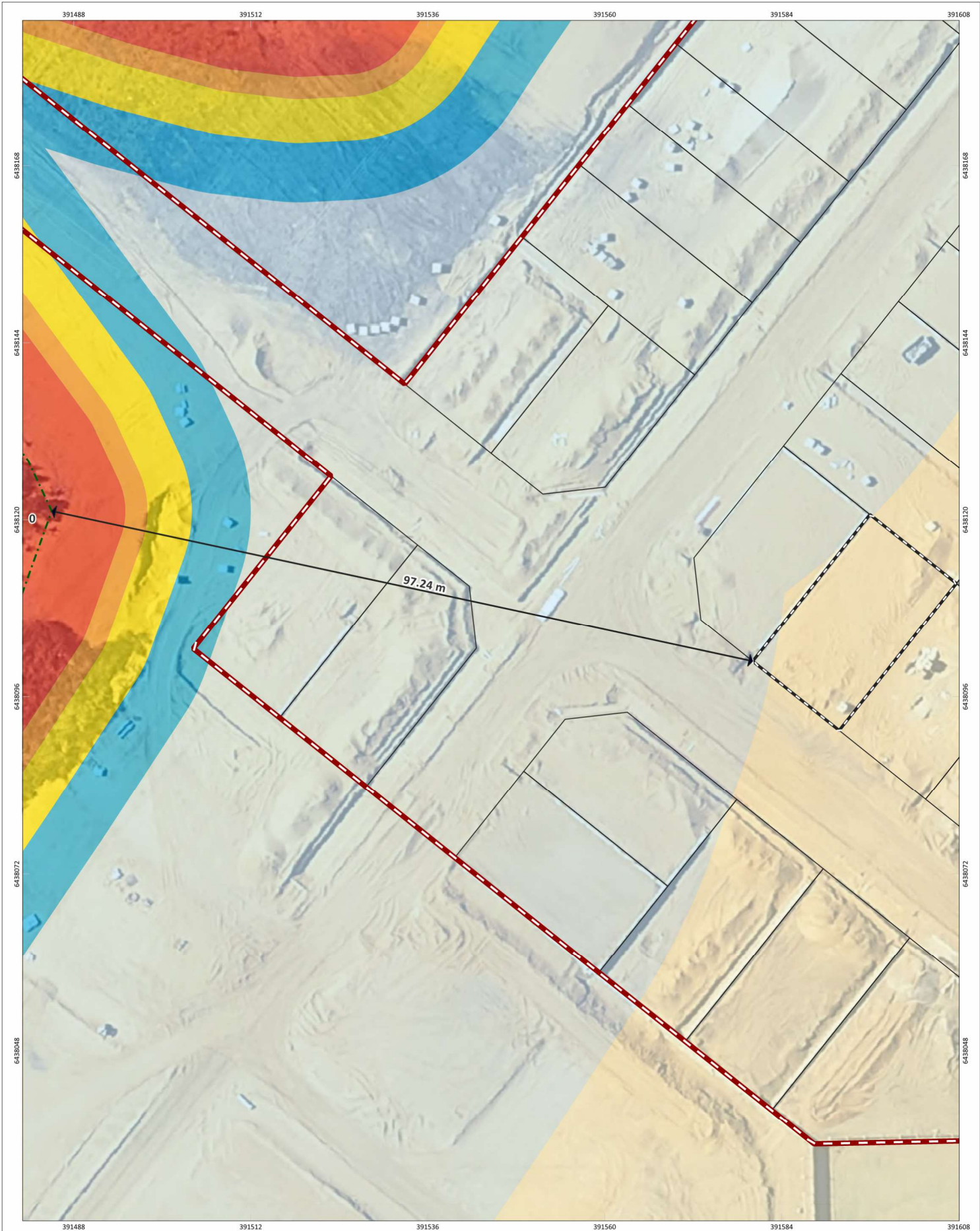
Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024



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Bushfire Attack level (BAL) Contours - Lot 728

03

06

09

12

0

3

6

9

12

1:478

A3 COLOUR

COORDINATE REFERENCE SYSTEM

GDA2020 / MGA zone 50

DATA SOURCE

LANDGATE AERIAL IMAGERY Summer 2023

PROJECT/REPORT NAME

Bushfire Attack Level Report
Stage 9 Apsley Estate, Mandogalup

CLIENT

QUBE Property Group

PROJECT NUMBER

A23.122

VERSION

0

DRAWN BY / REVIEWED BY

SM/BF

DATE

19/7/2024

Subject Site

Buffer 100m

Buffer 150m

Bushfire Hazard Interface

Lot Location

Lots

Bushfire Attack Level (BAL)

BAL-FZ

BAL-40

BAL-29

BAL-19

BAL-12.5

BAL-LOW

Notes:

Cadastral boundary (LGATE-002).

WESTERN ENVIRONMENTAL

Western Environmental Pty Ltd
08 6244 2310 | enquiries@western.com.au
Level 1/25 Power St, West Perth WA 6005
western.com.au

G:\GIS\Project Data\2023\A23.122\Stage_9\A23.122_S9.qgz

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 729 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	110.86 m	BAL-LOW

Practitioner Details

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

Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 730 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	124.8 m	BAL-LOW

Practitioner Details

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

Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 731 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	114.08 m	BAL-LOW

Practitioner Details

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

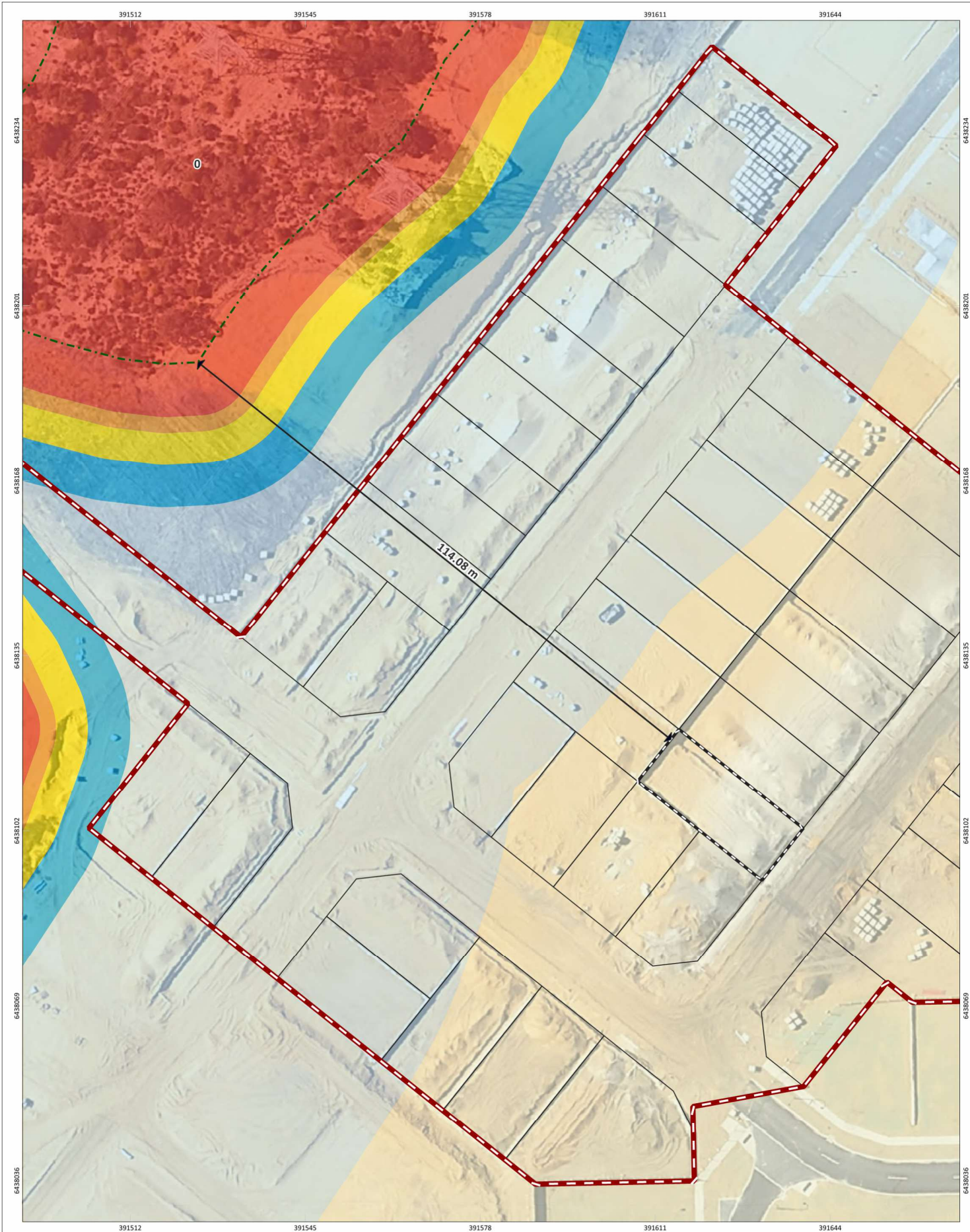
Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024



Bushfire Attack level (BAL) Contours - Lot 731

0 3 6 9 12 m

N

SCALE

1:665

SHEET SIZE

A3 COLOUR

COORDINATE REFERENCE SYSTEM

GDA2020 / MGA zone 50

DATA SOURCE

LANDGATE AERIAL IMAGERY Summer 2023

PROJECT/REPORT NAME

Bushfire Attack Level Report
Stage 9 Apsley Estate, Mandogalup

CLIENT

QUBE Property Group

PROJECT NUMBER

A23.122

VERSION

0

DRAWN BY / REVIEWED BY

SM/BF

DATE

19/7/2024

Legend

Subject Site

Buffer 100m

Buffer 150m

Bushfire Hazard Interface

Lot Location

Lots

Bushfire Attack Level (BAL)

BAL-FZ

BAL-40

BAL-29

BAL-19

BAL-12.5

BAL-LOW

</

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 732 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	114.11 m	BAL-LOW

Practitioner Details

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

Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 733 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	114.04 m	BAL-LOW

Practitioner Details

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

Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 734 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	111.86 m	BAL-LOW

Practitioner Details

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

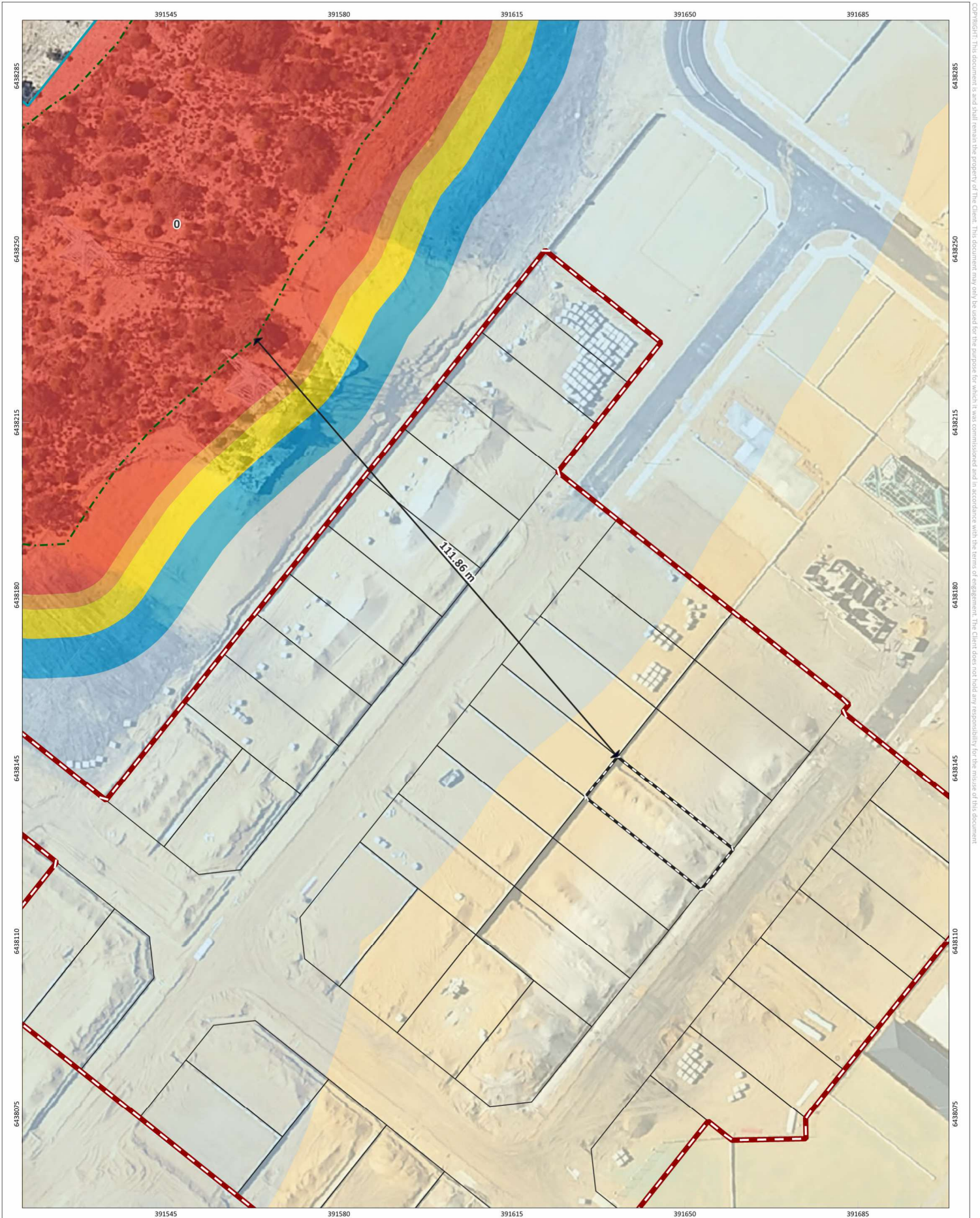
Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024



Bushfire Attack level (BAL) Contours - Lot 734

Scale
1:706

Sheet Size
A3 COLOUR

Coordinate Reference System
GDA2020 / MGA zone 50

Data Source
LANDGATE AERIAL IMAGERY Summer 2023

Project/Report Name
Bushfire Attack Level Report
Stage 9 Apsley Estate, Mandogalup

Client
QUBE Property Group

Project Number
A23.122

Version
0

Drawn By / Reviewed By
SM/BF

Date
19/7/2024

Legend

- Subject Site
- Buffer 100m
- Buffer 150m
- Bushfire Hazard Interface
- Lot Location
- Lots

Bushfire Attack Level (BAL)

- BAL-FZ
- BAL-40
- BAL-29
- BAL-19
- BAL-12.5
- BAL-LOW

No	Description	Drawn	Approved	Date
A	Original Issue	SM	BF	29/7/2024

NOTES:
Cadastral boundary (LGATE-002).

WESTERN ENVIRONMENTAL

Western Environmental Pty Ltd
08 6244 2310 | enquiries@western.com.au
Level 1/25 Power St, West Perth WA 6005
western.com.au

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 735 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	110.27 m	BAL-LOW

Practitioner Details

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

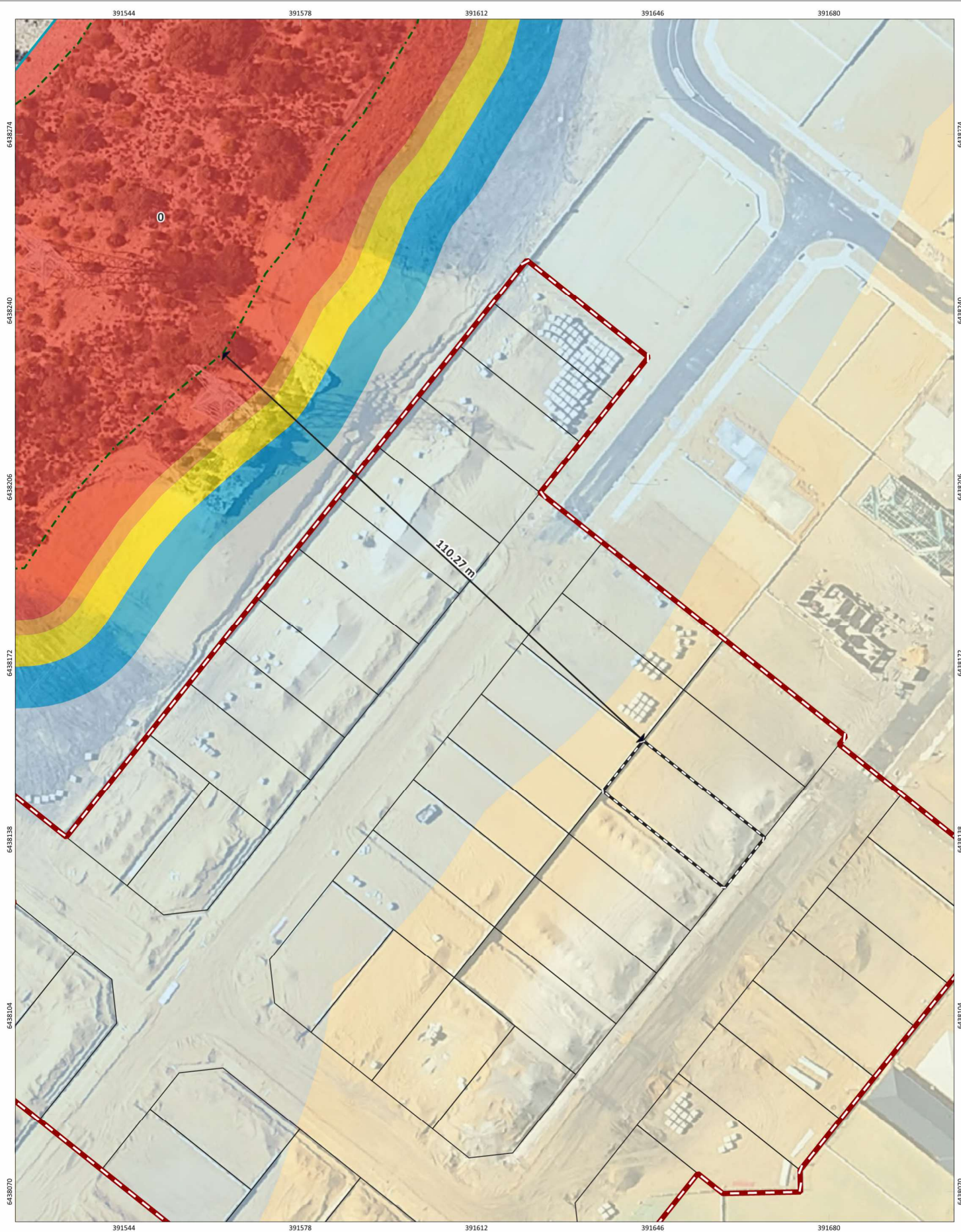
Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

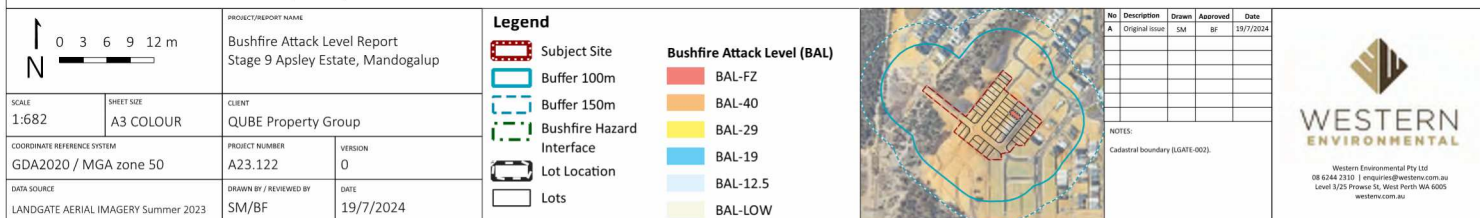
Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024



Bushfire Attack level (BAL) Contours - Lot 735



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 736 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	109.98 m	BAL-LOW

Practitioner Details

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

Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 737 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	110.08 m	BAL-LOW

Practitioner Details

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

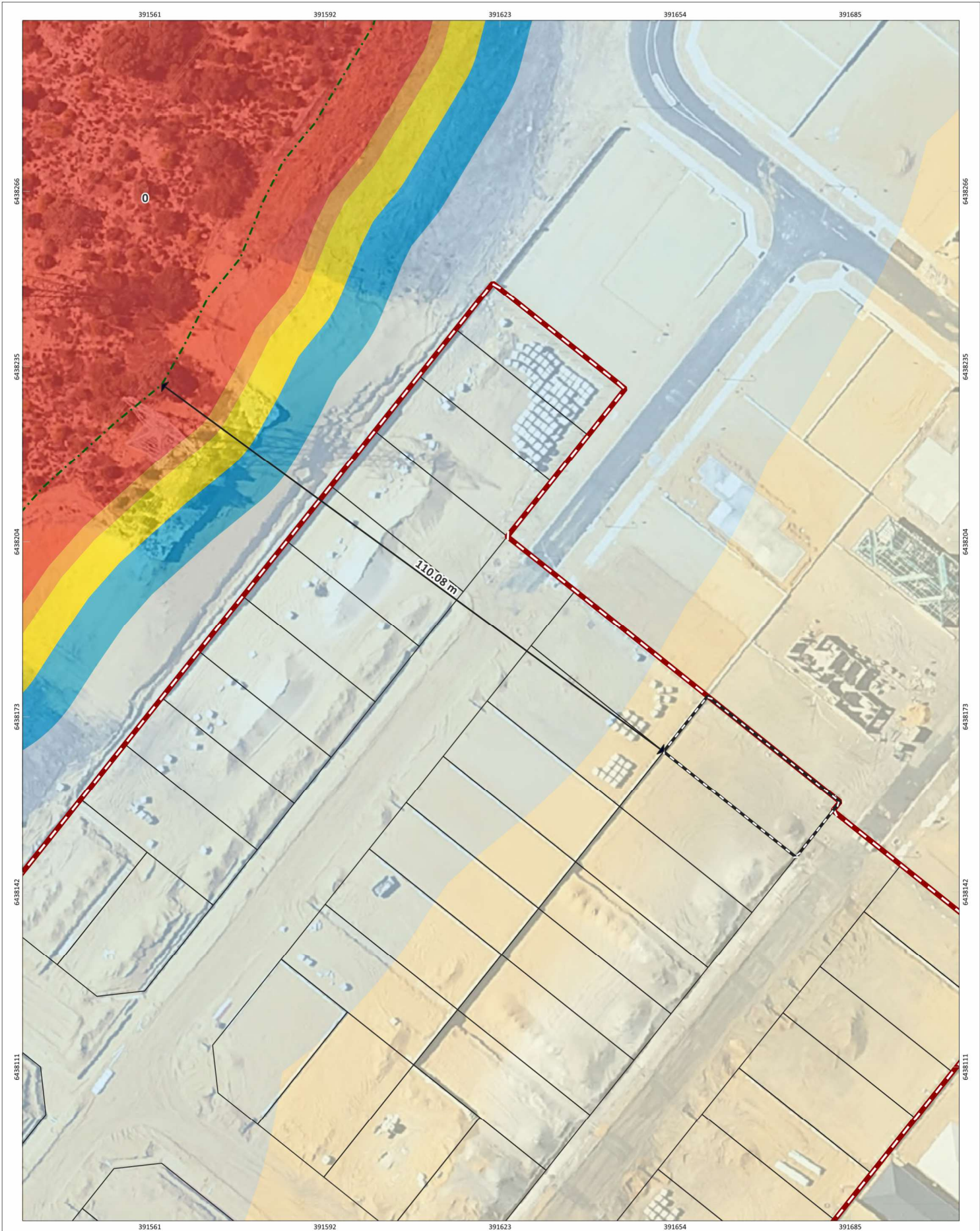
Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024



Bushfire Attack level (BAL) Contours - Lot 737

03

06

09

12

0

3

6

9

12

0

3

6

9

12

1:624

A3 COLOUR

COORDINATE REFERENCE SYSTEM

GDA2020 / MGA zone 50

DATA SOURCE

LANDGATE AERIAL IMAGERY Summer 2023

PROJECT/REPORT NAME

Bushfire Attack Level Report
Stage 9 Apsley Estate, Mandogalup

CLIENT

QUBE Property Group

PROJECT NUMBER

A23.122

VERSION

0

DRAWN BY / REVIEWED BY

SM/BF

DATE

19/7/2024

Subject Site

Buffer 100m

Buffer 150m

Bushfire Hazard Interface

Lot Location

Lots

Bushfire Attack Level (BAL)

BAL-FZ

BAL-40

BAL-29

BAL-19

BAL-12.5

BAL-LOW

No	Description	Drawn	Approved	Date
A	Original issue	SM	BF	29/7/2024

NOTES:
Cadastral boundary (LGATE-002).

WESTERN ENVIRONMENTAL

Western Environmental Pty Ltd
08 6244 2310 | enquiries@western.com.au
Level 1/25 Princes St, West Perth WA 6005
western.com.au

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Designed and Annotated by AC

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 750 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	155.44 m	BAL-LOW

Practitioner Details

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

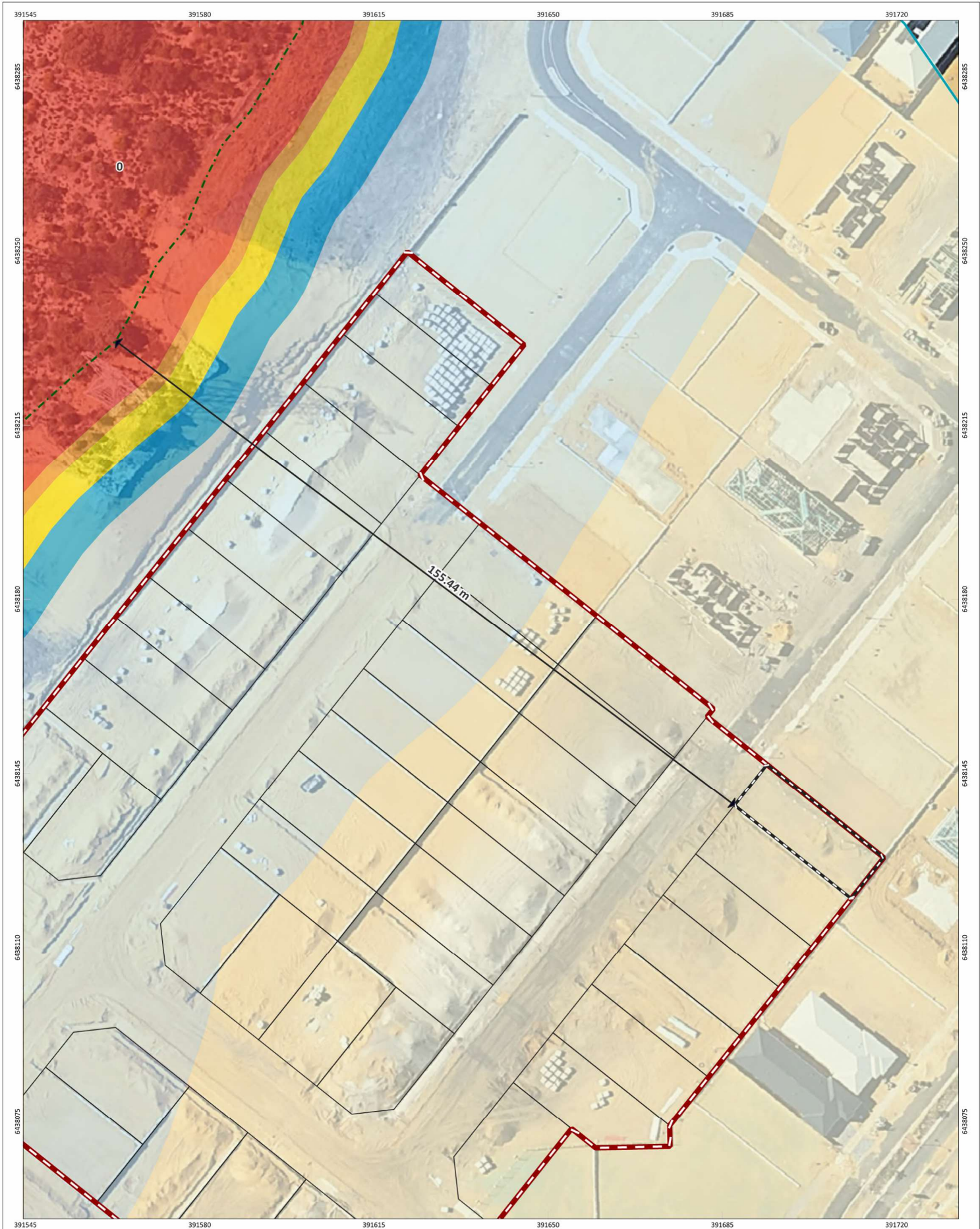
Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024



Bushfire Attack level (BAL) Contours - Lot 750

1
N
0 3 6 9 12 m

SCALE: 1:707
SHEET SIZE: A3 COLOUR

COORDINATE REFERENCE SYSTEM: GDA2020 / MGA zone 50
DATA SOURCE: LANDGATE AERIAL IMAGERY Summer 2023

PROJECT/REPORT NAME: Bushfire Attack Level Report Stage 9 Apsley Estate, Mandogalup

CLIENT: QUBE Property Group

PROJECT NUMBER: A23.122
VERSION: 0

DRAWN BY / REVIEWED BY: SM/BF
DATE: 19/7/2024

Legend

- Subject Site
- Buffer 100m
- Buffer 150m
- Bushfire Hazard Interface
- Lot Location
- Lots

Bushfire Attack Level (BAL)

- BAL-FZ
- BAL-40
- BAL-29
- BAL-19
- BAL-12.5
- BAL-LOW

No	Description	Drawn	Approved	Date
A	Original issue	SM	BF	29/7/2024

NOTES:
Cadastral boundary (LGATE-002).

WESTERN ENVIRONMENTAL

Western Environmental Pty Ltd
08 6244 2310 | enquiries@westernenv.com.au
Level 1/25 Power St, West Perth WA 6005
westernenv.com.au

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 751 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	155.37 m	BAL-LOW

Practitioner Details

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

Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 752 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	155.57 m	BAL-LOW

Practitioner Details

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

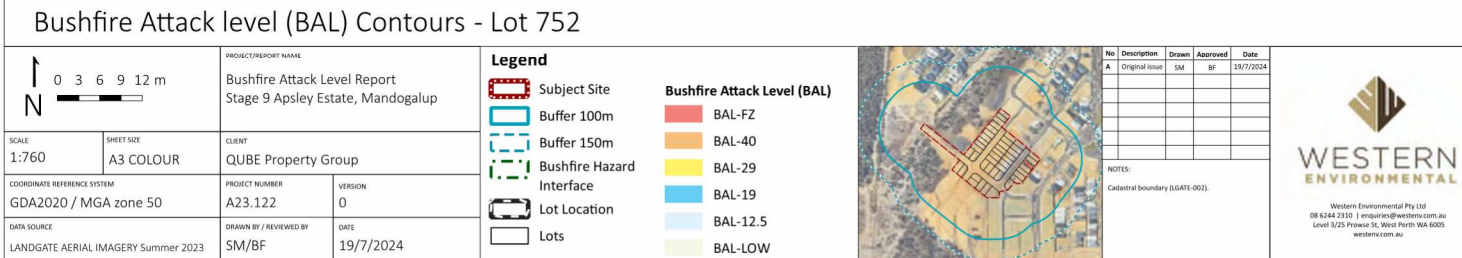
Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 753 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	156.46 m	BAL-LOW

Practitioner Details

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

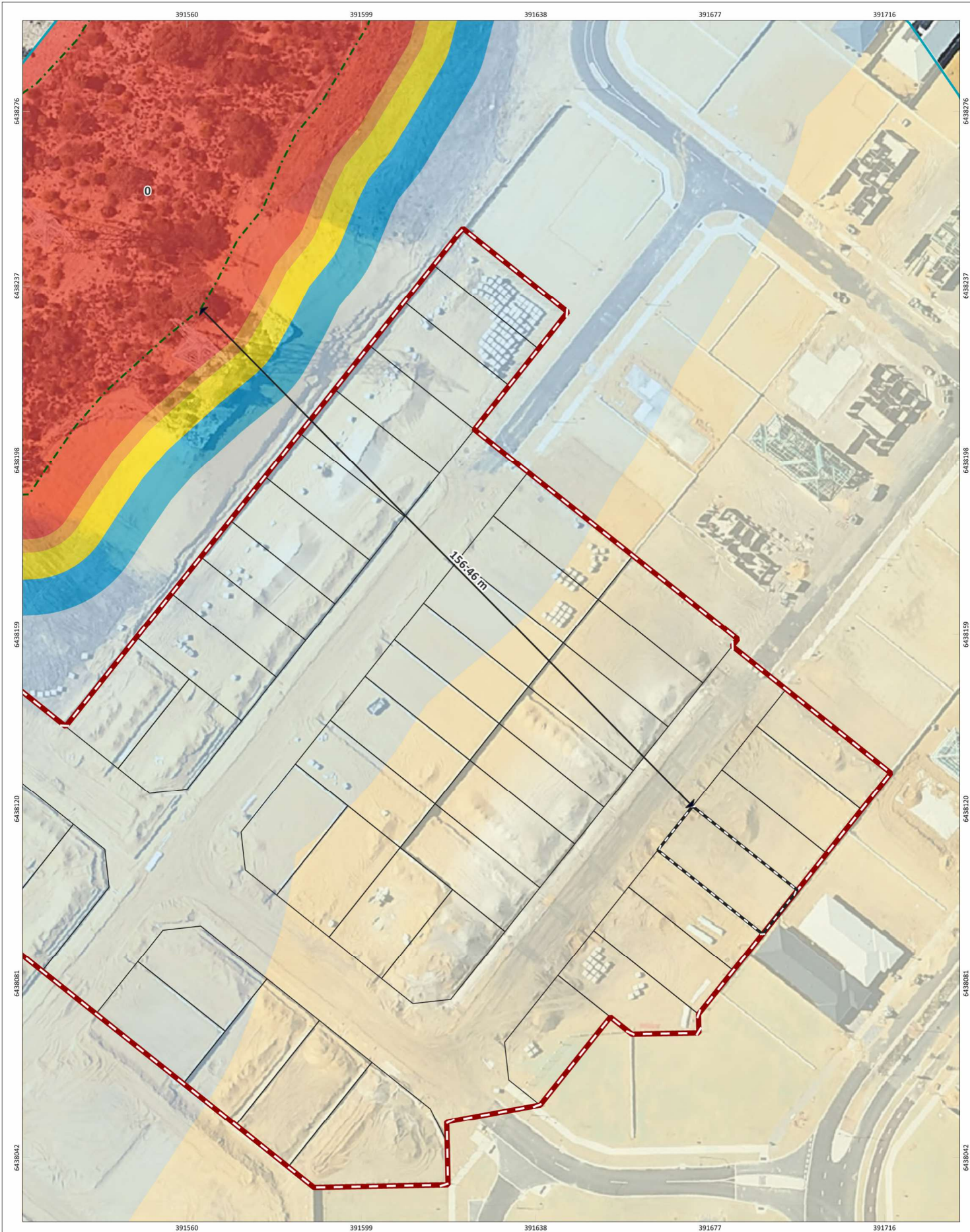
Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024



Bushfire Attack level (BAL) Contours - Lot 753

0 3 6 9 12 m

N

SCALE

1:789

SHEET SIZE

A3 COLOUR

COORDINATE REFERENCE SYSTEM

GDA2020 / MGA zone 50

DATA SOURCE

LANDGATE AERIAL IMAGERY Summer 2023

PROJECT/REPORT NAME

Bushfire Attack Level Report
Stage 9 Apsley Estate, Mandogalup

CLIENT

QUBE Property Group

PROJECT NUMBER

A23.122

VERSION

0

DRAWN BY / REVIEWED BY

SM/BF

DATE

19/7/2024

Legend

Subject Site

Buffer 100m

Buffer 150m

Bushfire Hazard Interface

Lot Location

Lots

BAL-FZ

BAL-40

BAL-29

BAL-19

BAL-12.5

BAL-LOW

</

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 754 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	158.42 m	BAL-LOW

Practitioner Details

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

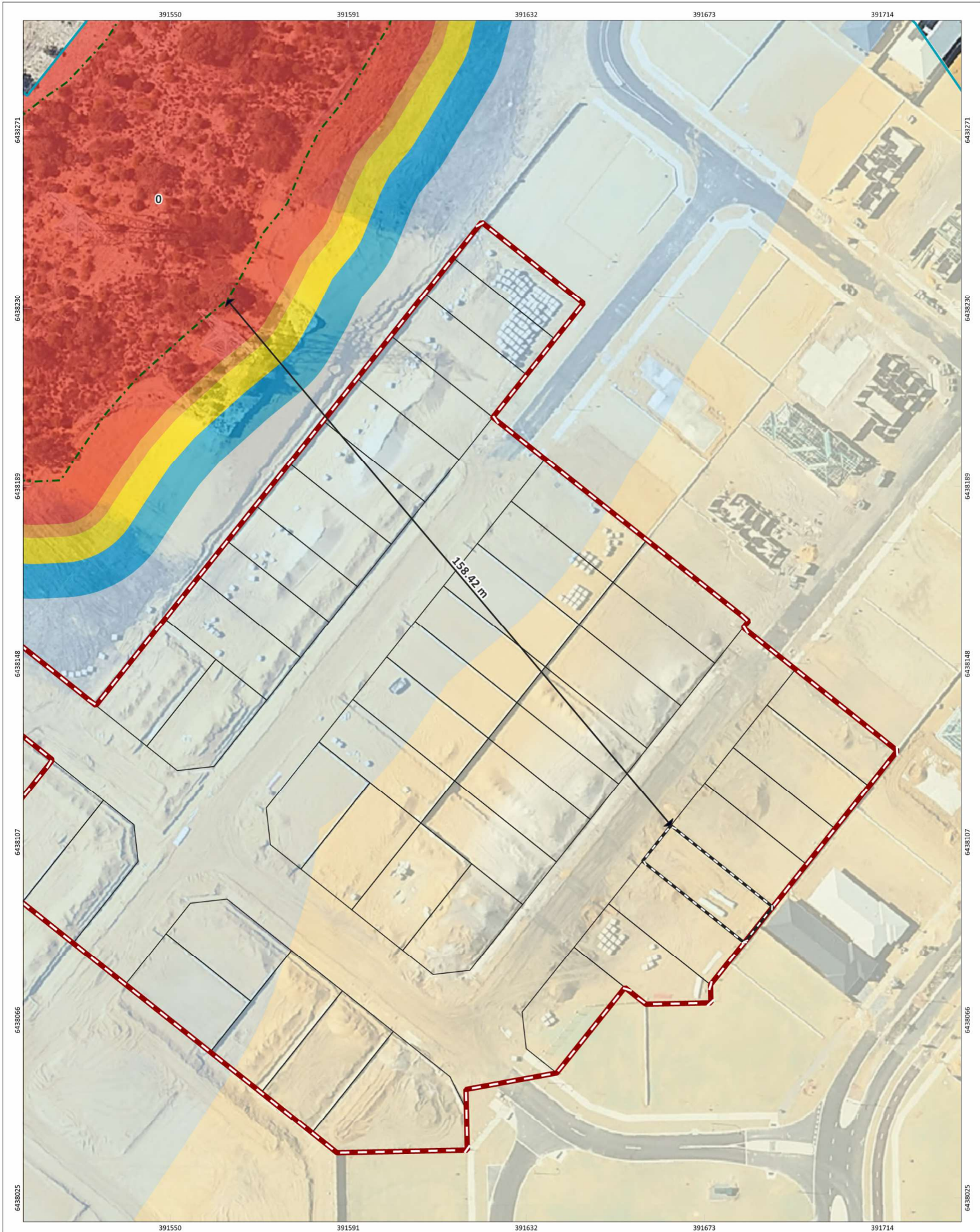
Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024



Bushfire Attack level (BAL) Contours - Lot 754

0 3 6 9 12 m

N

SCALE

1:813

SHEET SIZE

A3 COLOUR

COORDINATE REFERENCE SYSTEM

GDA2020 / MGA zone 50

DATA SOURCE

LANDGATE AERIAL IMAGERY Summer 2023

PROJECT/REPORT NAME

Bushfire Attack Level Report
Stage 9 Apsley Estate, Mandogalup

CLIENT

QUBE Property Group

PROJECT NUMBER

A23.122

VERSION

0

DRAWN BY / REVIEWED BY

SM/BF

DATE

19/7/2024

Subject Site

Buffer 100m

Buffer 150m

Bushfire Hazard Interface

Lot Location

Lots

Bushfire Attack Level (BAL)

BAL-FZ

BAL-40

BAL-29

BAL-19

BAL-12.5

BAL-LOW

Notes:

Cadastral boundary (LGATE-002).

No

Description

Drawn

Approved

Date

A

Original issue

SM

BF

29/7/2024

WESTERN ENVIRONMENTAL

Western Environmental Pty Ltd

08 6244 2310 | enquiries@western.com.au

Level 1/25 Power St, West Perth WA 6005

western.com.au

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Designed and Assembled by AC

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 755 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	159.49 m	BAL-LOW

Practitioner Details

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

Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024

Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 756 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	159.47 m	BAL-LOW

Practitioner Details

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

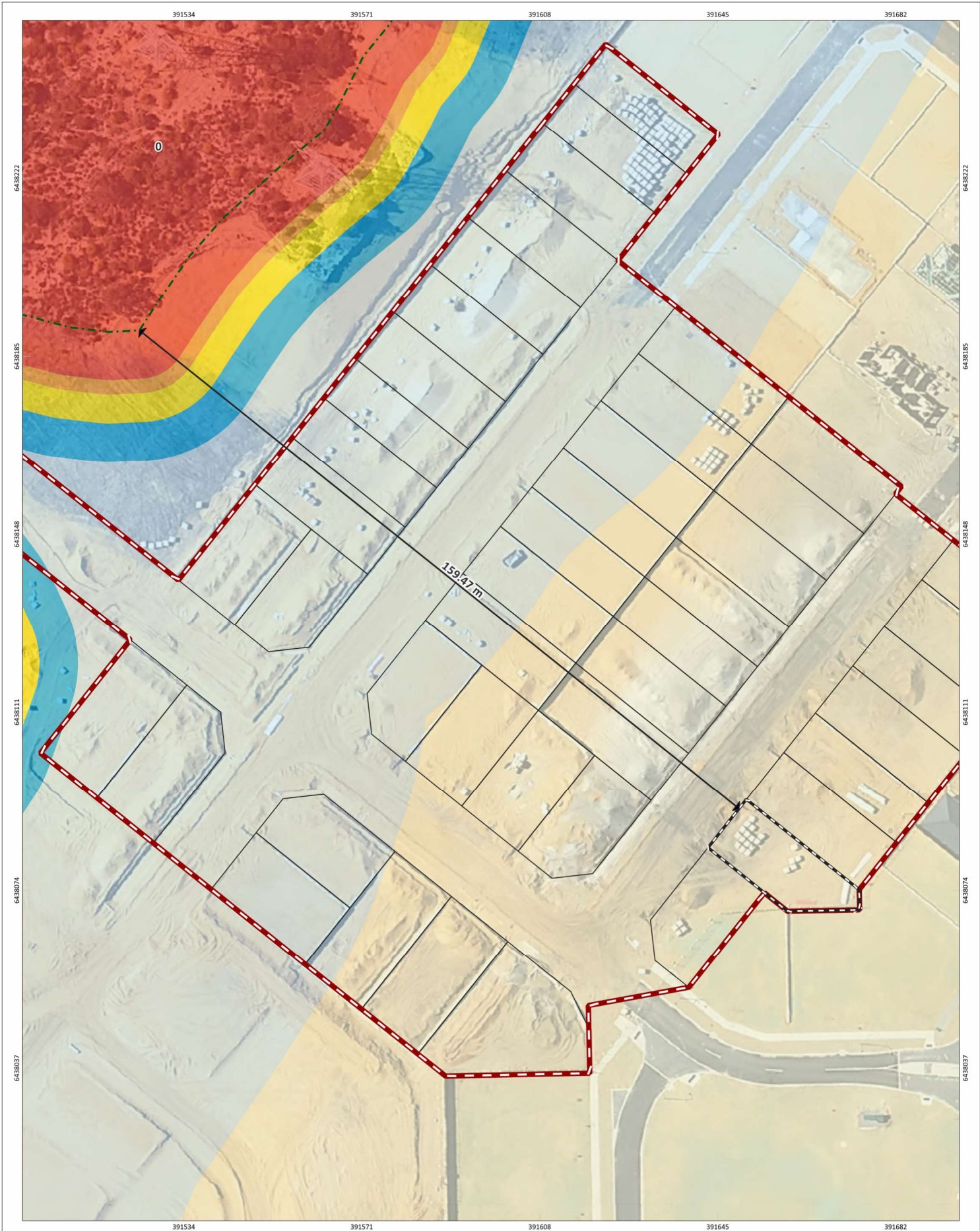
Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024



Bushfire Attack level (BAL) Contours - Lot 756

		PROJECT/REPORT NAME Bushfire Attack Level Report Stage 9 Apsley Estate, Mandogalup	
SCALE 1:733	SHEET SIZE A3 COLOUR	CLIENT QUBE Property Group	
COORDINATE REFERENCE SYSTEM GDA2020 / MGA zone 50		PROJECT NUMBER A23.122	VERSION 0
DATA SOURCE LANDGATE AERIAL IMAGERY Summer 2023		DRAWN BY / REVIEWED BY SM/BF	DATE 19/7/2024

Legend		Bushfire Attack Level (BAL)	
	Subject Site		BAL-FZ
	Buffer 100m		BAL-40
	Buffer 150m		BAL-29
	Bushfire Hazard Interface		BAL-19
	Lot Location		BAL-12.5
	Lots		BAL-LOW



No	Description	Drawn	Approved	Date
A	Original issue	SM	BF	29/7/2024
NOTES:				
Cadastral boundary (LGATE-002).				



Bushfire Attack Level (BAL) Certificate

Determined in accordance with AS 3959:2018

Site Details

Address: Lot 757 - Stage 9 Apsley Estate, Mandogalup

Suburb: Mandogalup **State:** WA

Local Government Area: City of Kwinana

Use of building: Residential Dwelling **Main BCA class:** Class 1a

Report / Job Number: A23.122 **Report Date:** 19/7/2024

Determination of Highest Bushfire Attack Level

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D - Scrub	All upslopes and flat land (0 degrees)	155.46 m	BAL-LOW

Practitioner Details

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

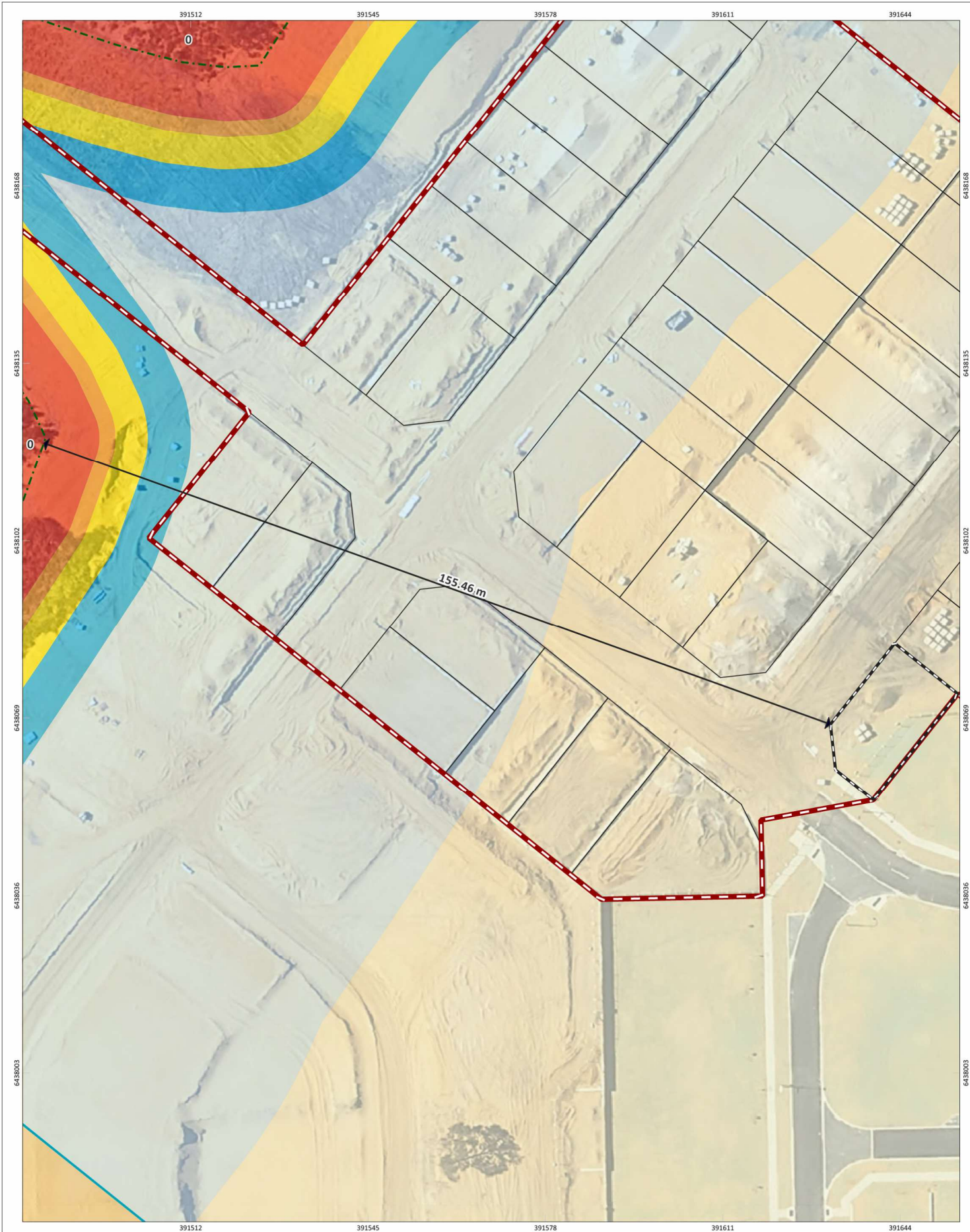
Name: Daniel Panickar
Western Environmental Approvals Pty Ltd

Signature: 

Certificate Date: 19/7/2024



Accreditation No: BPAD 37802
Expiry: December 2024



Bushfire Attack level (BAL) Contours - Lot 757

0 3 6 9 12 m

N

SCALE

1:656

SHEET SIZE

A3 COLOUR

COORDINATE REFERENCE SYSTEM

GDA2020 / MGA zone 50

DATA SOURCE

LANDGATE AERIAL IMAGERY Summer 2023

PROJECT/REPORT NAME

Bushfire Attack Level Report
Stage 9 Apsley Estate, Mandogalup

CLIENT

QUBE Property Group

PROJECT NUMBER

A23.122

VERSION

0

DRAWN BY / REVIEWED BY

SM/BF

DATE

19/7/2024

Legend

Subject Site

Buffer 100m

Buffer 150m

Bushfire Hazard Interface

Lot Location

Lots

Bushfire Attack Level (BAL)

BAL-FZ

BAL-40

BAL-29

BAL-19

BAL-12.5

BAL-LOW

155.46m

155.46m

Notes

No

Description

Drawn

Approved

Date

A

Original issue

SM

BF

29/7/2024

NOTES:

Cadastral boundary (LGATE-002).

WESTERN ENVIRONMENTAL

Western Environmental Pty Ltd

08 6244 2310 | enquiries@western.com.au

Level 1/25 Pioneer St, West Perth WA 6005

western.com.au

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Designed and Assembled by AC