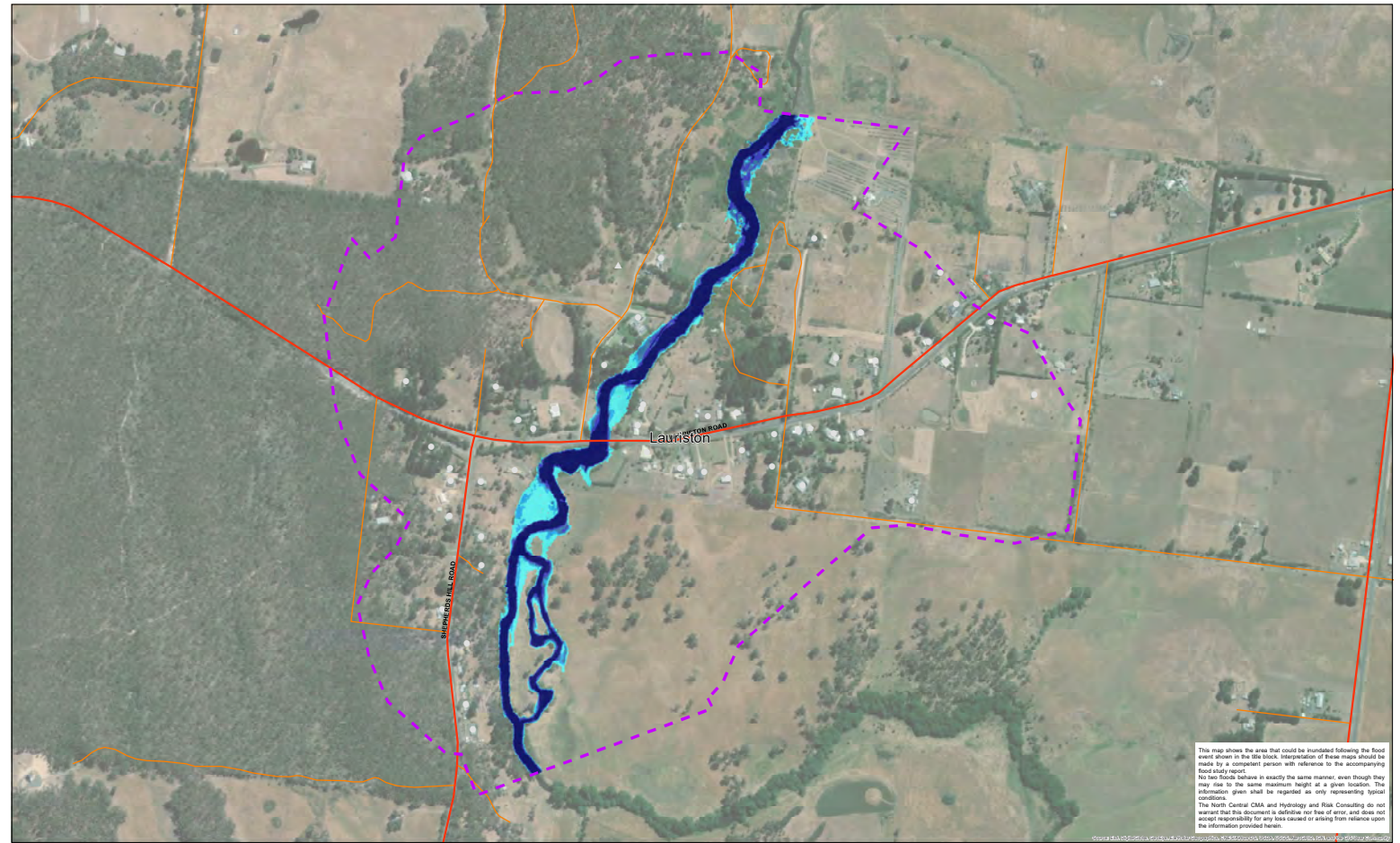


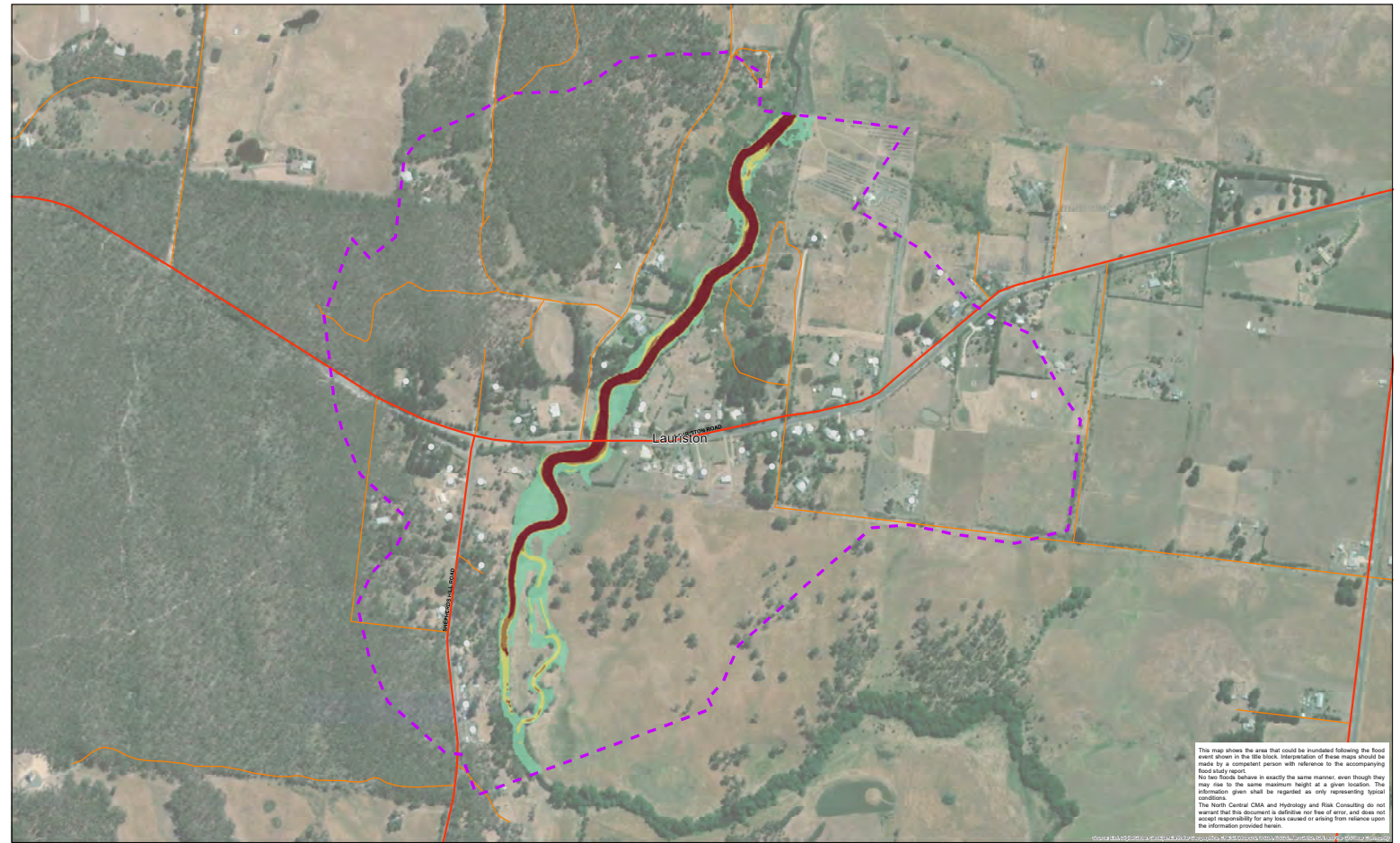
Appendix A Maps



This map shows the area that could be inundated following the flood event shown in the title block. Interpretation of these maps should be made by a competent person with reference to the accompanying flood study report.
No two flood events in exactly the same manner, even though they may rise to the same maximum height at a given location. The information given shall be reported as only representing typical conditions.
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Data Location: S:\3_Projects\NCC000025_Technical\3_Mapping\NCC000025_InundationMapping_Datamaps\pages_Datamaps\Map05.mxd
Roads Layer: Vmap; Imagery: ESRI; Geocapex Polygons: Navigable, PSMA Australia

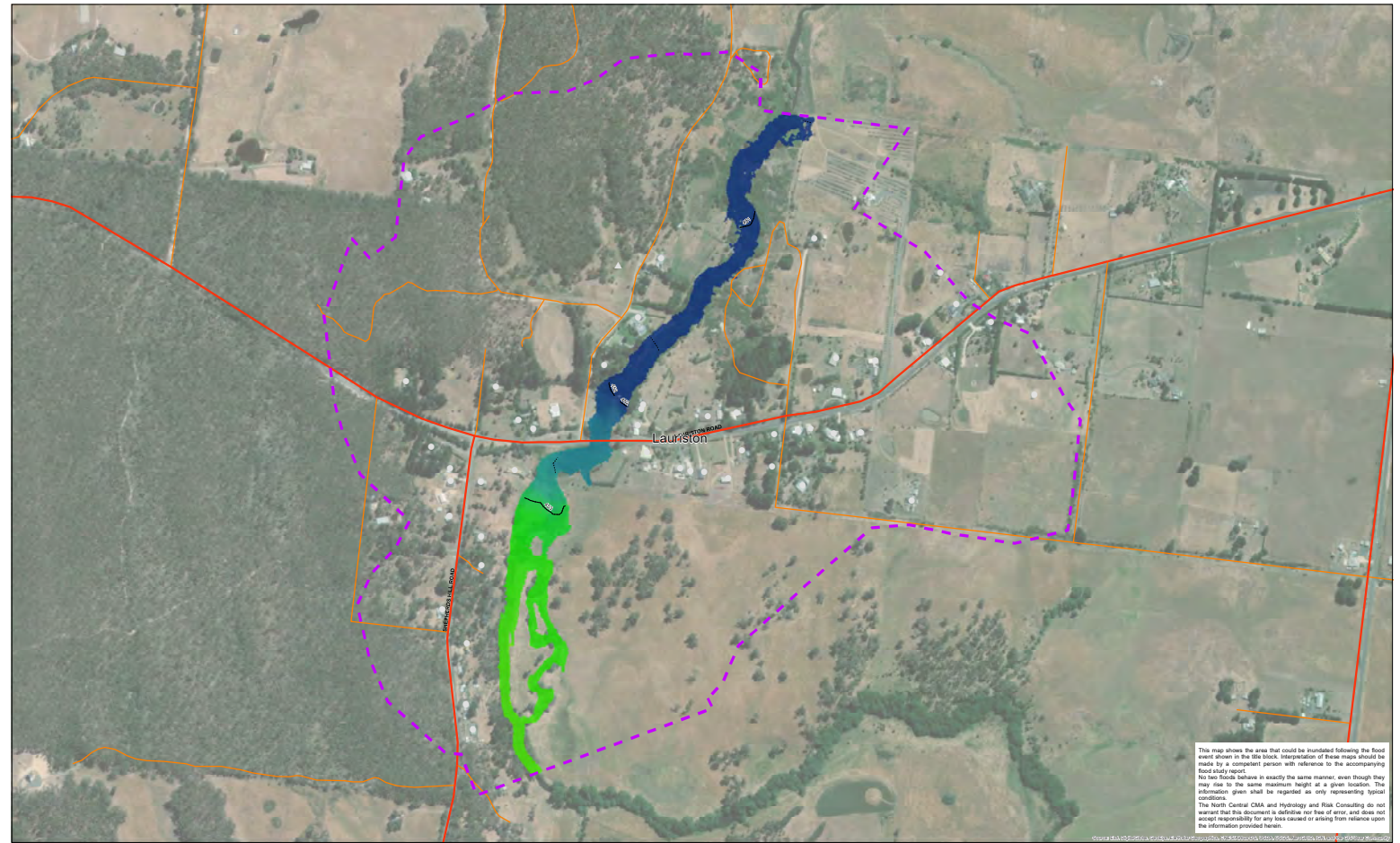
Legend CFAMFS Fire Station Police Station Hospital School/College Nursing Home/Aged Care Caravan Park Main Road Tertiary Road Railway Line Flood Model Extent Building Classification Residential Commercial Industrial Public Building Inundation not inundated inundated (without floor level survey) below floor level (with floor level survey) above floor level (with floor level survey) Max Depth (m) < 0.3 0.3 - 0.5 0.5 - 0.8 0.8 - 1.2 > 1.2	Locality Map BENDIGO BALLARAT	<table><tr><td>Drawn: A. SHEN</td><td>Project Director: D. STEPHENS</td></tr><tr><td>Checked: T. CRAIG</td><td></td></tr><tr><td>Project Manager: A. NORTHFIELD</td><td></td></tr><tr><td>Project No.: NCC00002</td><td></td></tr><tr><td>North Central CMA Project Manager: N. TRELOAR</td><td></td></tr></table>	Drawn: A. SHEN	Project Director: D. STEPHENS	Checked: T. CRAIG		Project Manager: A. NORTHFIELD		Project No.: NCC00002		North Central CMA Project Manager: N. TRELOAR		NORTH CENTRAL CMA RAPID FLOOD RISK ASSESSMENT MAXIMUM DEPTH (m) Lauriston - 20% AEP Flood Event 0 200 400 Meters N Horizontal Datum: GDA 1994 Grid: GDA 1994 MGA Zone 55	Scale: 1:3,500 when printed @ A1 Date: 25/02/2020 Map No.: 16 - 5 - 1 Hydrology and Risk North Central CMA VICTORIA Government Australia Government
Drawn: A. SHEN	Project Director: D. STEPHENS													
Checked: T. CRAIG														
Project Manager: A. NORTHFIELD														
Project No.: NCC00002														
North Central CMA Project Manager: N. TRELOAR														



This map shows the area that could be inundated following the flood event shown in the title block. Interpretation of these maps should be made by a competent person with reference to the accompanying flood study report. No two flood events are exactly the same manner, even though they may rise to the same maximum height at a given location. The information given shall be reported as only representing typical conditions. The North Central CMA and Hydrology and Risk Consulting do not warrant that this document is definitive nor free of error, and does not accept responsibility for any loss caused or arising from reliance upon the information provided herein.

Data Location: S:\3_Projects\NCC000025_Technical3_Mapping\NCC000025_InundationMapping_Datamaps\pages_VaDmap\MGASS.mxd
Roads Layer: Vmap; Imagery: ESRI; Geocache Polygons: Navigable, PSMA Australia

Legend Building Classification Building Inundation Max V x D (m³/s)
--

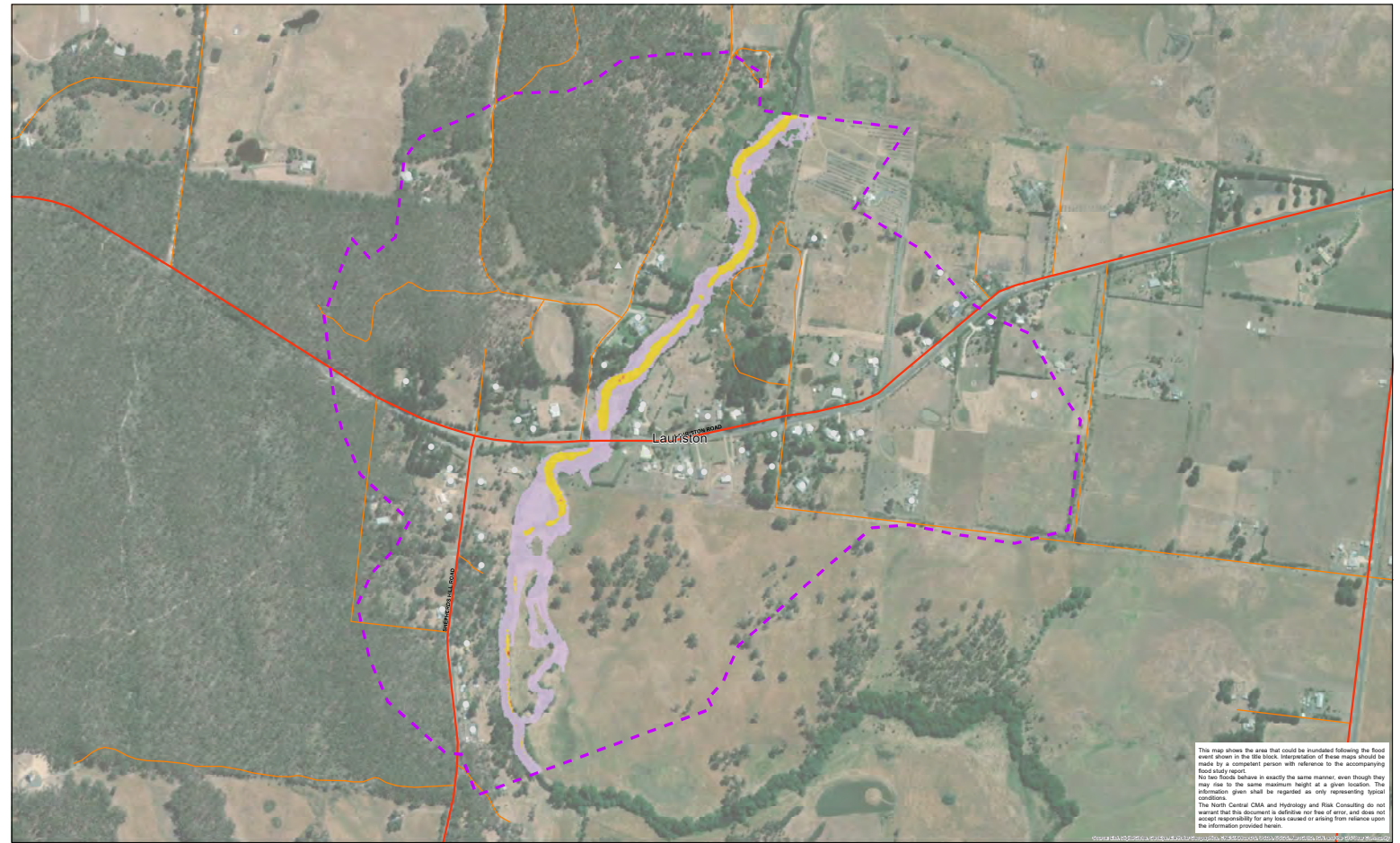


Data Location: S:\3_Projects\NCC000025_Technical\3_Mapping\NCC000025_InundationMapping_Details\mappages_Human\Map05.mxd
Roads Layer: Vmap; Imagery: ESRI; Geoscape Polygons: Navigare, PSMA Australia

Legend 		<table border="1"><tr><td>Drawn: A. SHEN</td><td>Project Director: D. STEPHENS</td></tr><tr><td>Checked: T. CRAIG</td><td></td></tr><tr><td>Project Manager: A. NORTHFIELD</td><td></td></tr><tr><td>Project No.: NCC00002</td><td></td></tr><tr><td>North Central CMA Project Manager: N. TRELOAR</td><td></td></tr></table>	Drawn: A. SHEN	Project Director: D. STEPHENS	Checked: T. CRAIG		Project Manager: A. NORTHFIELD		Project No.: NCC00002		North Central CMA Project Manager: N. TRELOAR		NORTH CENTRAL CMA RAPID FLOOD RISK ASSESSMENT MAXIMUM WATER LEVEL (mAHd) Lauriston - 20% AEP Flood Event 0 200 400 Meters Horizontal Datum: GDA 1994 Grid: GDA 1994 MGA Zone 55	<table border="1"><tr><td>Scale: 1:3,500 when printed @ A1</td><td>Date: 25/02/2020</td><td>Map No.: 16 - 5 - 3</td></tr><tr><td></td><td></td><td></td></tr></table>	Scale: 1:3,500 when printed @ A1	Date: 25/02/2020	Map No.: 16 - 5 - 3			
Drawn: A. SHEN	Project Director: D. STEPHENS																			
Checked: T. CRAIG																				
Project Manager: A. NORTHFIELD																				
Project No.: NCC00002																				
North Central CMA Project Manager: N. TRELOAR																				
Scale: 1:3,500 when printed @ A1	Date: 25/02/2020	Map No.: 16 - 5 - 3																		

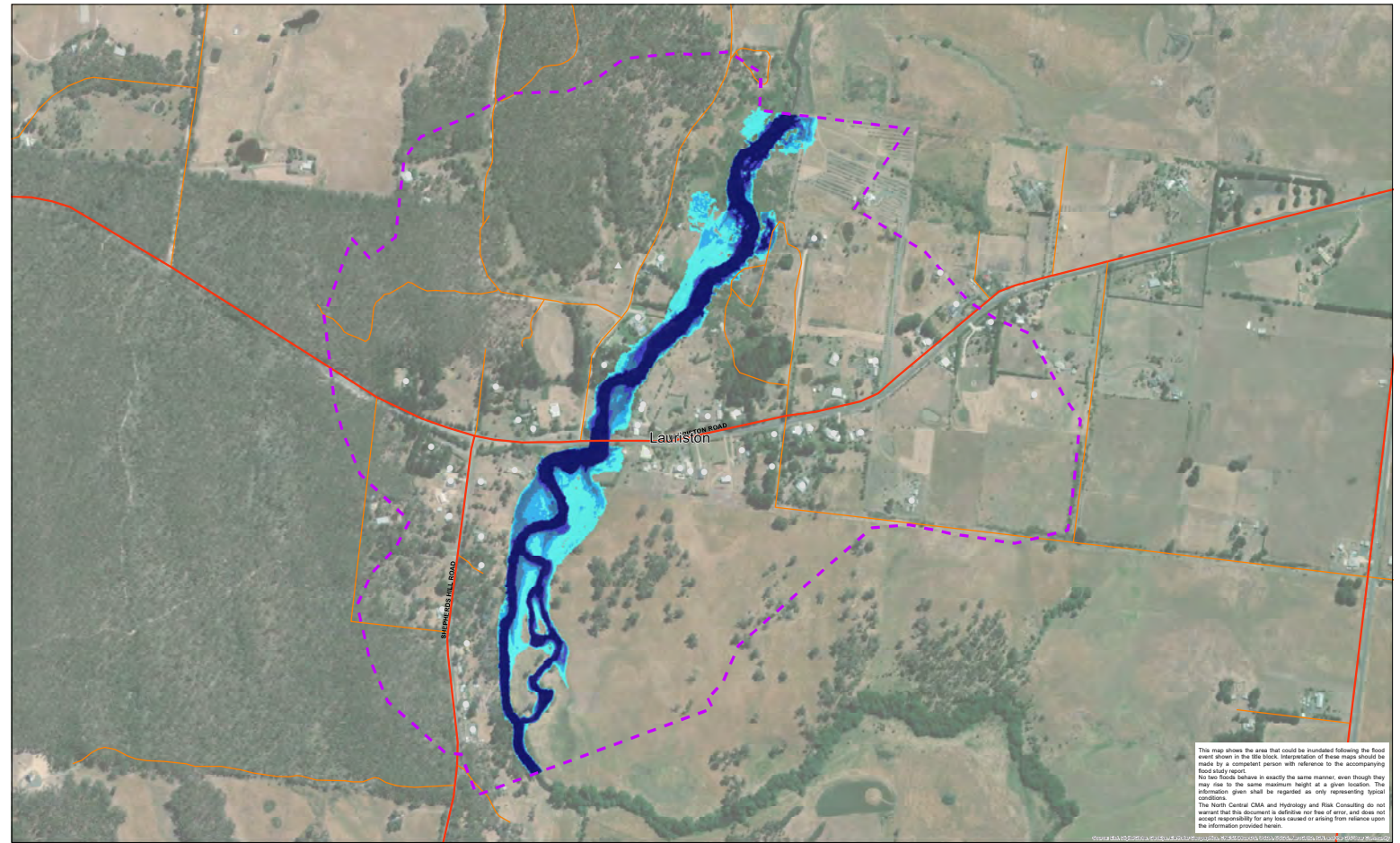


Data Location: S:\3_Projects\NCC000025_Technical\3_Mapping\NCC00002_InundationMapping\Datamaps\pages_HazardAMGA55.mxd
Roads Layer: Vmap; Imagery: ESRI; Geocache Polygons: Navigable; PSMA Australia



Data Location: S:\3_Projects\NCC000025_Technical3_Mapping\NCC000025_FloodMapping\Datat\mappages_Vmax\MGAS5.mxd
Roads Layer: Vmap; Imagery: ESRI; Geocatch Polygons: Navigable, PSMA Australia

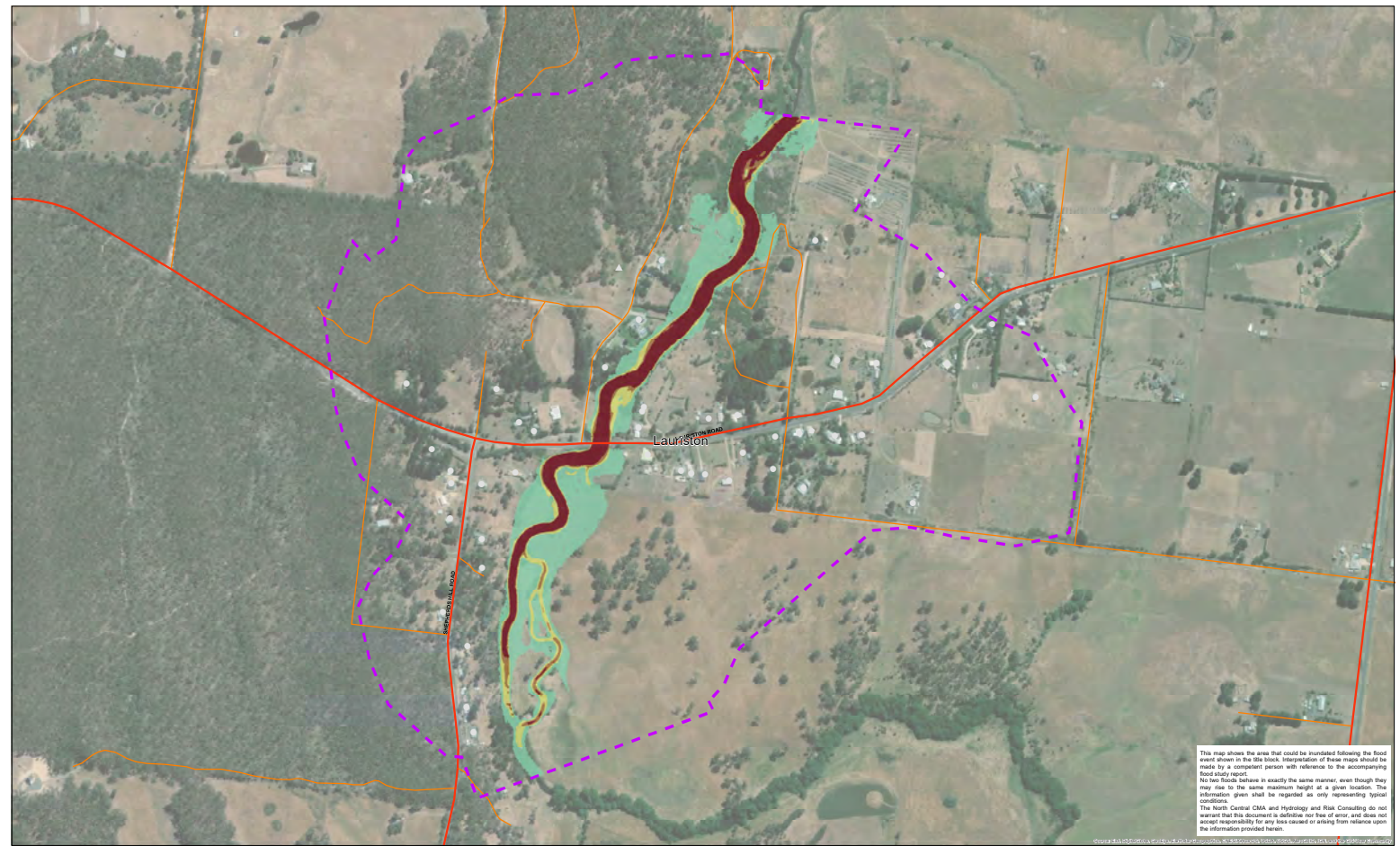
Legend Building Classification Building Inundation Max Velocity (m/s) 	 Project Information Drawn: A. SHEN Checked: T. CRAIG Project Manager: A. NORTHFIELD Project No.: NCC00002 North Central CMA Project Manager: N. TRELOAR Project Director: D. STEPHENS	NORTH CENTRAL CMA RAPID FLOOD RISK ASSESSMENT MAXIMUM VELOCITY (m/s) Lauriston - 20% AEP Flood Event Horizontal Datum: GDA 1994 Grid: GDA 1994 MGA Zone 55	Scale: 1:3,500 Date: 25/02/2020 Map No.: 16 - 5 - 5
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This map shows the area that could be inundated following the flood event shown in the title block. Interpretation of these maps should be made by a competent person with reference to the accompanying flood study report.
No two flood events in exactly the same manner, even though they may rise to the same maximum height at a given location. The information given shall be reported as only representing typical conditions.
The North Central CMA and Hydrology and Risk Consulting do not warrant that this document is definitive nor free of error, and does not accept responsibility for any loss caused or arising from reliance upon the information provided herein.

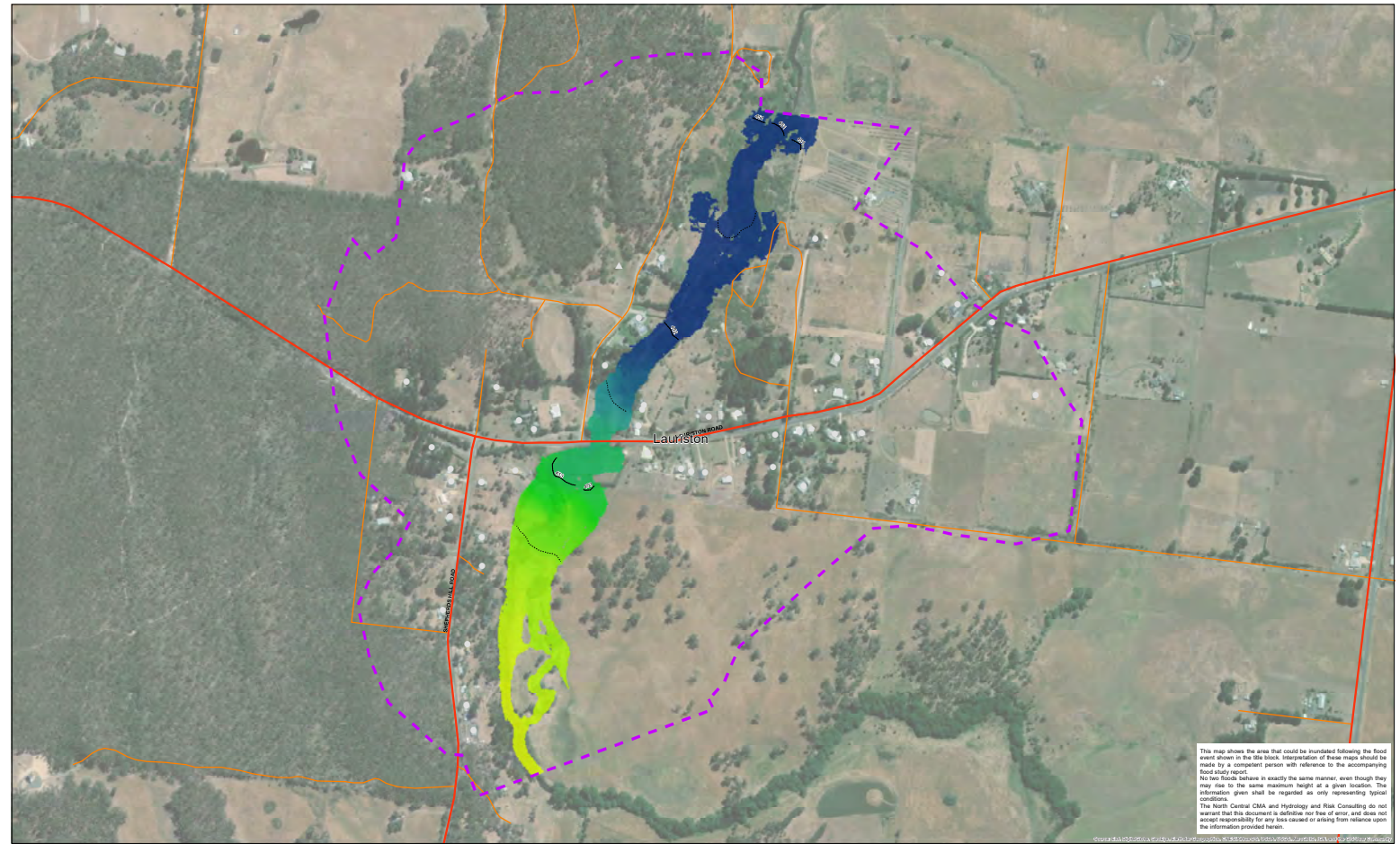
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Roads Layer: Vmap; Imagery: ESRI; Geocapex Polygons: Navigable, PSMA Australia.

Legend CFAMFS Fire Station Police Station Hospital School/College Nursing Home/Aged Care Caravan Park Main Road Tertiary Road Railway Line Flood Model Extent Building Classification Residential Commercial Industrial Public Building Inundation not inundated inundated (without floor level survey) below floor level (with floor level survey) above floor level (with floor level survey) Max Depth (m) < 0.3 0.3 - 0.5 0.5 - 0.8 0.8 - 1.2 > 1.2	Locality Map Map showing the location of Lauriston relative to Ballarat and Bendigo.	<table><tr><td>Drawn: A. SHEN</td><td>Project Director: D. STEPHENS</td></tr><tr><td>Checked: T. CRAIG</td><td></td></tr><tr><td>Project Manager: A. NORTHFIELD</td><td></td></tr><tr><td>Project No.: NCC00002</td><td></td></tr><tr><td>North Central CMA Project Manager: N. TRELOAR</td><td></td></tr></table>	Drawn: A. SHEN	Project Director: D. STEPHENS	Checked: T. CRAIG		Project Manager: A. NORTHFIELD		Project No.: NCC00002		North Central CMA Project Manager: N. TRELOAR		NORTH CENTRAL CMA RAPID FLOOD RISK ASSESSMENT MAXIMUM DEPTH (m) Lauriston - 10% AEP Flood Event 0 200 400 Meters N Horizontal Datum: GDA 1994 Grid: GDA 1994 MGA Zone 55	Scale: 1:3,500 when printed @ A1 Date: 25/02/2020 Map No.: 16 - 10 - 1 Logos: North Central CMA, Victoria Government, Hydrology and Risk Consulting, Australian Government
Drawn: A. SHEN	Project Director: D. STEPHENS													
Checked: T. CRAIG														
Project Manager: A. NORTHFIELD														
Project No.: NCC00002														
North Central CMA Project Manager: N. TRELOAR														



Data Location: S:\3_Projects\NCC000025_Technical3_Mapping\NCC000025_InundationMapping_Dataviewpages_VaDmaxMGA55.mxd
Roads Layer: Vmap; Imagery: ESRI; Geocache Polygons: Navigable; PSMA Australia

Legend Building Classification ● Residential ● Commercial ● Industrial ● Public Building Inundation □ not inundated □ inundated (without floor level survey) ■ below floor level (with floor level survey) ■ above floor level (with floor level survey) Max V x D (m²/s) □ < 0.4 □ 0.4 - 0.8 □ 0.8 - 1.2 ■ > 1.2		<table><tr><td>Drawn: A. SHEN</td><td>Project Director: D. STEPHENS</td></tr><tr><td>Checked: T. CRAIG</td><td></td></tr><tr><td>Project Manager: A. NORTHFIELD</td><td></td></tr><tr><td>Project No.: NCC00002</td><td></td></tr><tr><td>North Central CMA Project Manager: N. TRELOAR</td><td></td></tr></table>	Drawn: A. SHEN	Project Director: D. STEPHENS	Checked: T. CRAIG		Project Manager: A. NORTHFIELD		Project No.: NCC00002		North Central CMA Project Manager: N. TRELOAR		NORTH CENTRAL CMA RAPID FLOOD RISK ASSESSMENT MAXIMUM V x D (m²/s) Lauriston - 10% AEP Flood Event 0 200 400 Meters Horizontal Datum: GDA 1994 Grid: GDA 1994 MGA Zone 55	<table><tr><td>Scale: 1:3,500 when printed @ A1</td><td>Date: 25/02/2020</td><td>Map No.: 16 - 10 - 2</td></tr><tr><td></td><td></td><td></td></tr></table>	Scale: 1:3,500 when printed @ A1	Date: 25/02/2020	Map No.: 16 - 10 - 2			
Drawn: A. SHEN	Project Director: D. STEPHENS																			
Checked: T. CRAIG																				
Project Manager: A. NORTHFIELD																				
Project No.: NCC00002																				
North Central CMA Project Manager: N. TRELOAR																				
Scale: 1:3,500 when printed @ A1	Date: 25/02/2020	Map No.: 16 - 10 - 2																		



This map shows the area that could be inundated following the flood event shown in the title block. Interpretation of these maps should be made by a competent person with reference to the accompanying flood study report.
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Data Location: S:\3_Projects\NCC000025_Technical\3_Mapping\NCC000025_InundationMapping_Dataviewpages_HumanMGAS5.mxd
Roads Layer: Vmap; Imagery: ESRI; Geocache Polygons: Navigare, PSMA Australia

Legend

- CFAMFB Fire Station
- Police Station
- Hospital
- School/College
- Nursing Home/Aged Care
- Caravan Park

- Main Road
- Tertiary Road
- Railway Line
- Flood Model Extent
- Contour (1m)
- Contour (0.5m)

Building Classification

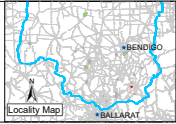
- Residential
- Commercial
- Industrial
- Public

Building Inundation

- not inundated
- inundated (without floor level survey)
- below floor level (with floor level survey)
- above floor level (with floor level survey)

Max WSE (mAHD) Lauriston

Value	High / 455
Low / 452	

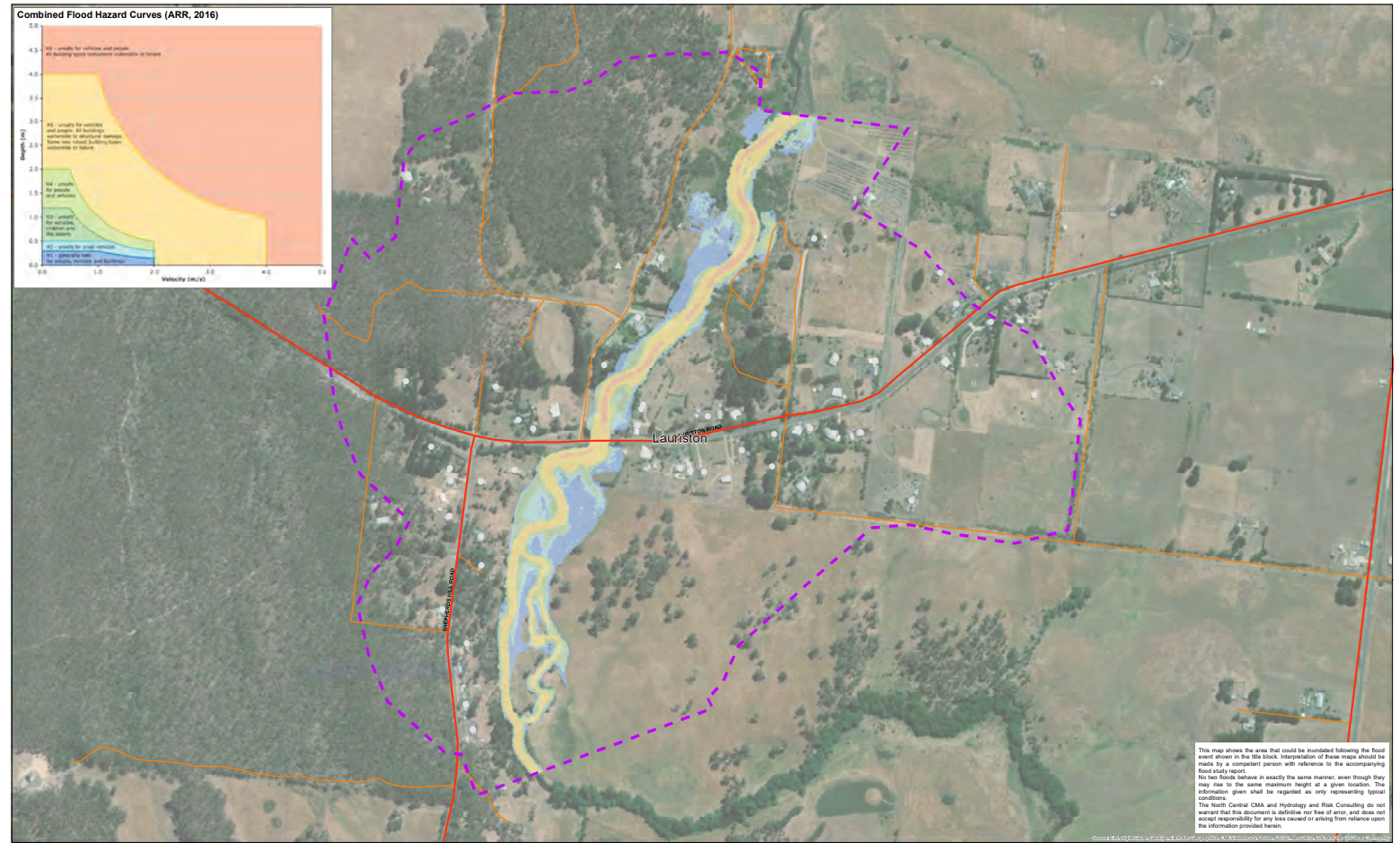


Drawn: A. SHEN	Project Director: D. STEPHENS
Checked: T. CRAIG	
Project Manager: A. NORTHFIELD	
Project No.: NCC00002	
North Central CMA Project Manager: N. TRELOAR	

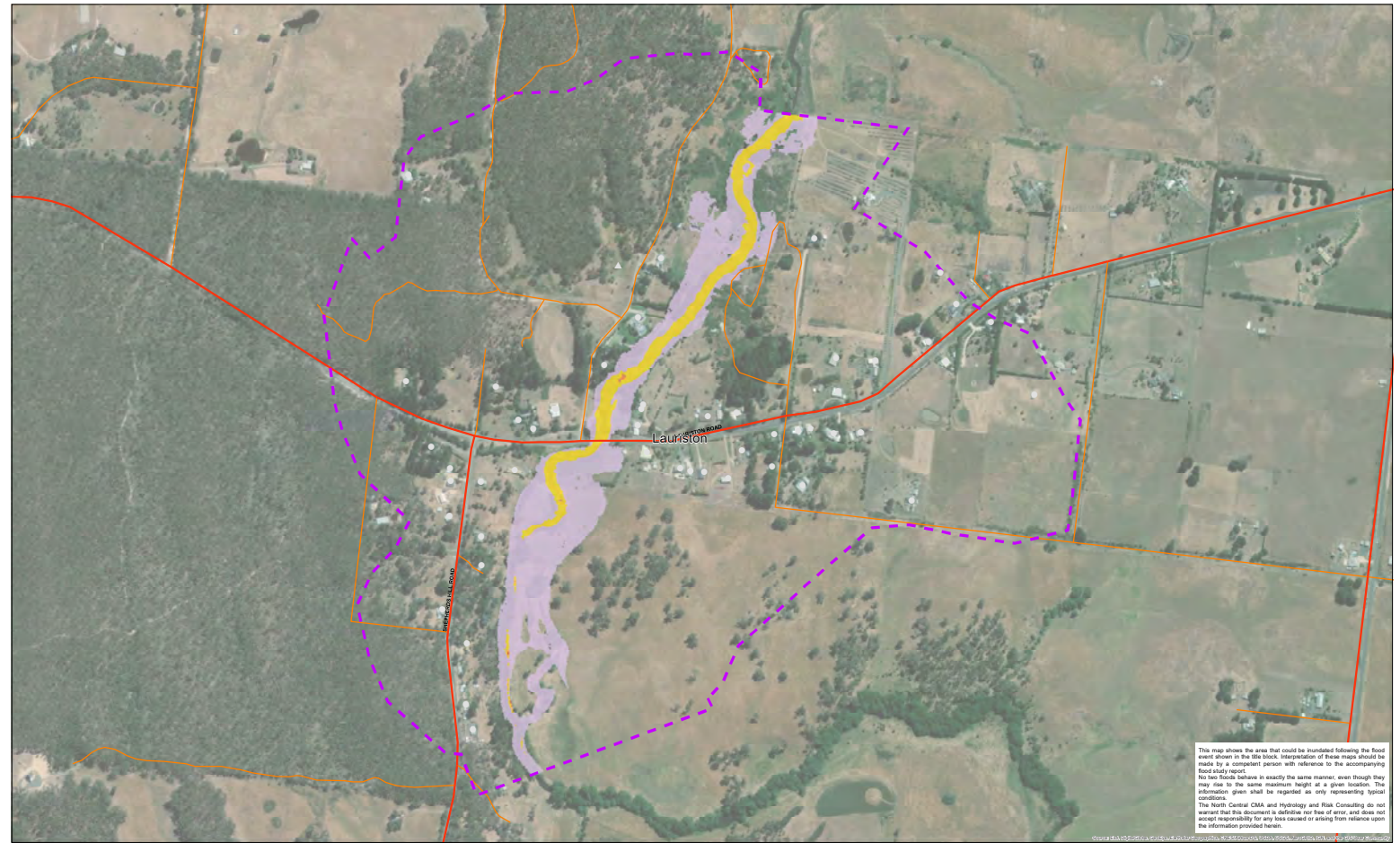
NORTH CENTRAL CMA RAPID FLOOD RISK ASSESSMENT
MAXIMUM WATER LEVEL (mAHD)
Lauriston - 10% AEP Flood Event

Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55

Scale: 1:3,500 when printed @ A1	Date: 25/02/2020	Map No.: 16 - 10 - 3



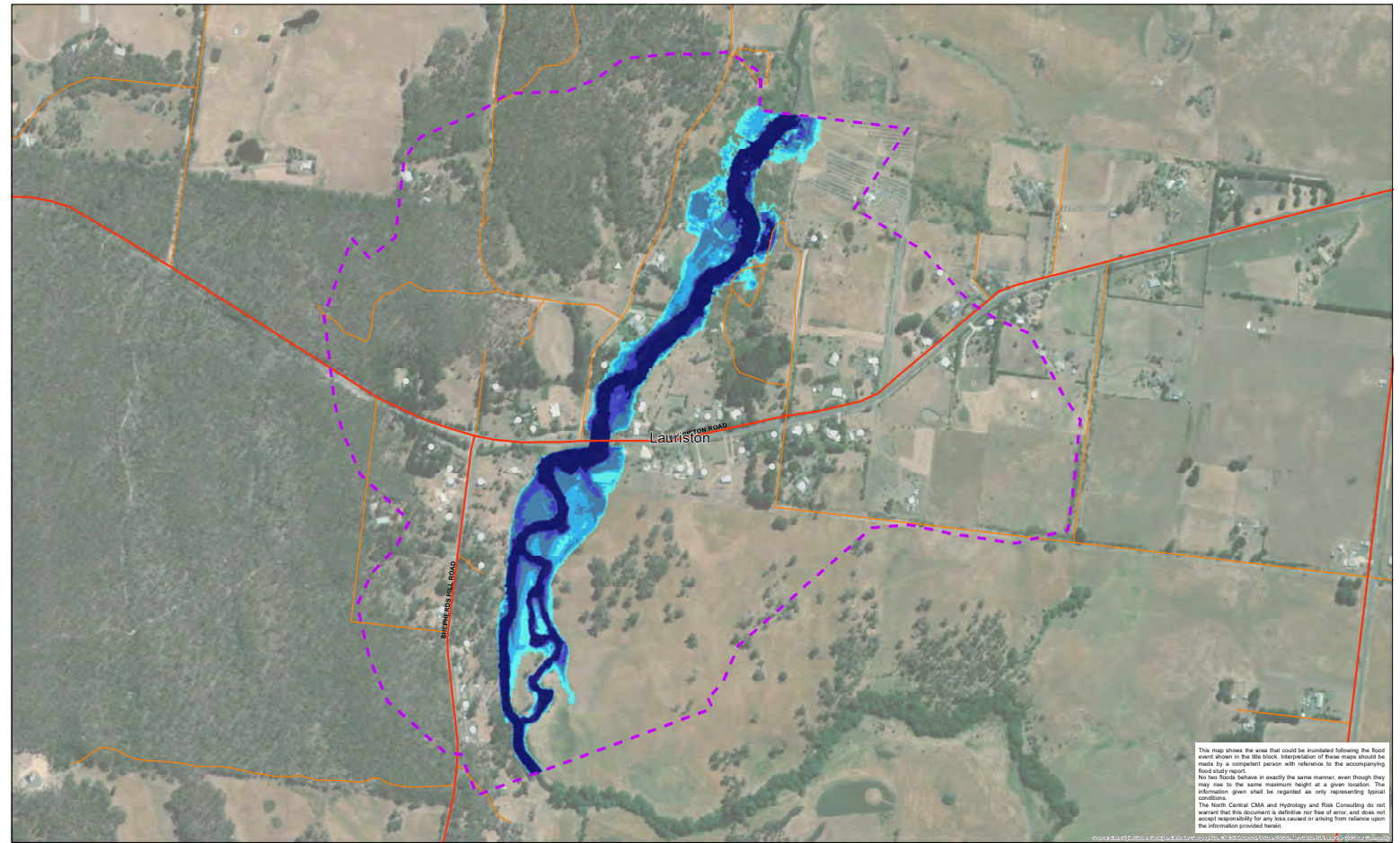
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Roads Layer: Vtopaz; Imagery: ESRI; Geocache Polygons: Navigable; PSMA Australia



This map shows the area that could be inundated following the flood event shown in the title block. Interpretation of these maps should be made by a competent person with reference to the accompanying flood study report.
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Data Location: S:\3_Projects\NCC000025_Technical3_Mapping\NCC000025_FloodMapping\Datatitlespages_Vinam\MGAS5.mxd
Roads Layer: Vinam; Imagery: ESRI; Geocache Polygons: Navigable, PSMA Australia

Legend Building Classification Building Inundation Max Velocity (m/s) 	 Project Information Drawn: A. SHEN Checked: T. CRAIG Project Manager: A. NORTHFIELD Project No.: NCC00002 North Central CMA Project Manager: N. TRELOAR Project Director: D. STEPHENS	NORTH CENTRAL CMA RAPID FLOOD RISK ASSESSMENT MAXIMUM VELOCITY (m/s) Lauriston - 10% AEP Flood Event Horizontal Datum: GDA 1994 Grid: GDA 1994 MGA Zone 55	Scale: 1:3,500 Date: 25/02/2020 Map No.: 16 - 10 - 5
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Data Location: S:\3_Projects\NCC000025_Technical\3_Mapping\NCC000025_InundationMapping\Datatitlespages_Datamaps\MGAS5.mxd
Roads Layer: Vtopmap; Imagery: ESRI; Geocapex Polygons: Navigable; PSMA Australia

Legend

CFAMFS Fire Station

Police Station

Hospital

School/College

Nursing Home/Aged Care

Caravan Park

Main Road

Tertiary Road

Railway Line

Flood Model Extent

Building Classification

Residential

Commercial

Industrial

Public

Building Inundation

not inundated

inundated (without floor level survey)

below floor level (with floor level survey)

above floor level (with floor level survey)

Max Depth (m)

0.3 - 0.5

0.5 - 0.8

0.8 - 1.2

1.2 - 1.5

Locality Map

Drawn: A. SHEN

Project Director: D. STEPHENS

Checked: T. CRAIG

Project Manager: A. NORTHFIELD

Project No.: NCC00002

North Central CMA Project Manager: N. TRELOAR

NORTH CENTRAL CMA RAPID FLOOD RISK ASSESSMENT

MAXIMUM DEPTH (m)

Lauriston - 5% AEP Flood Event

0200400

Meters

Horizontal Datum: GDA 1994

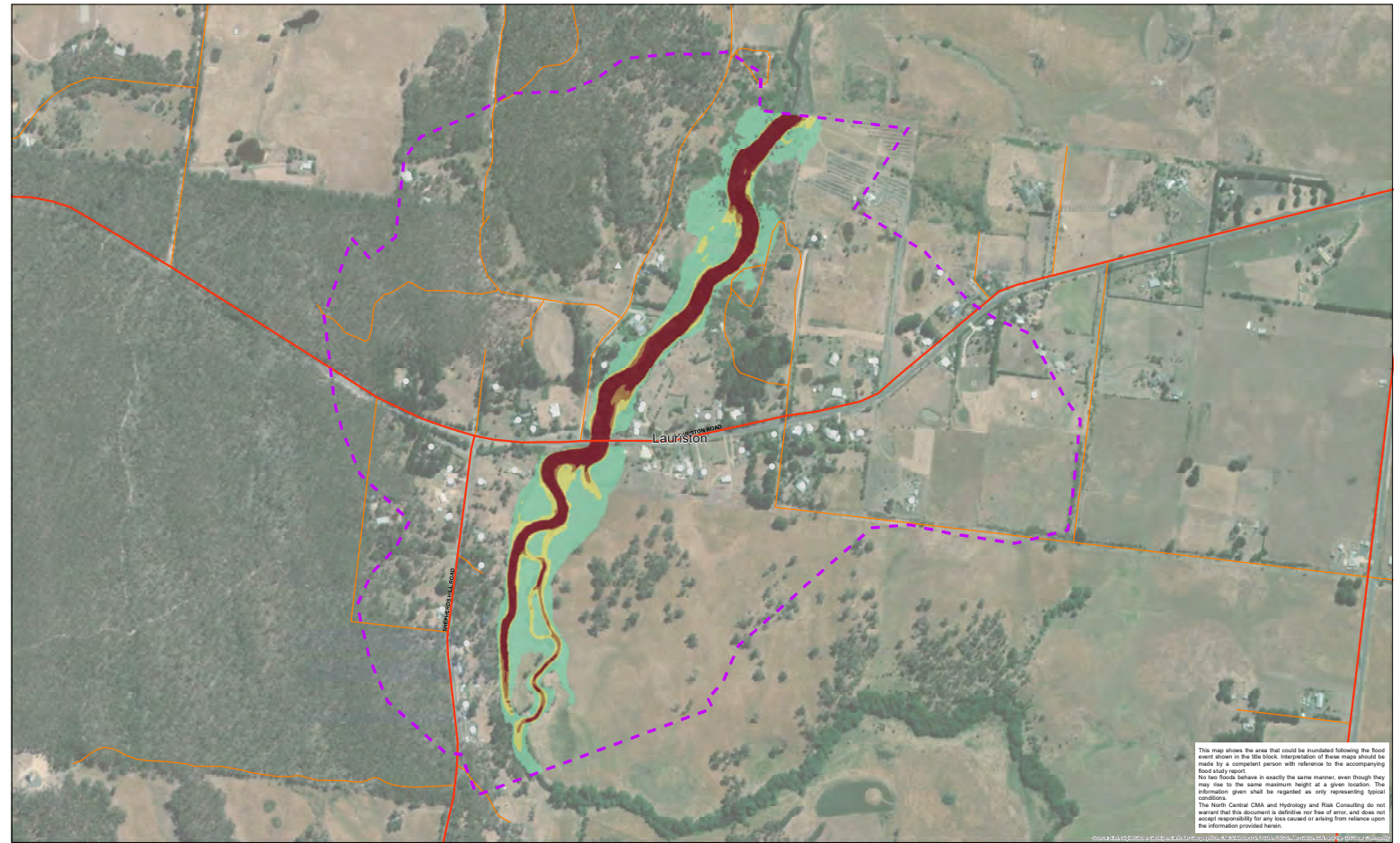
Grid: GDA 1994 MGA Zone 55

Scale: 1:3,500

when printed @ A1

Date: 25/02/2020

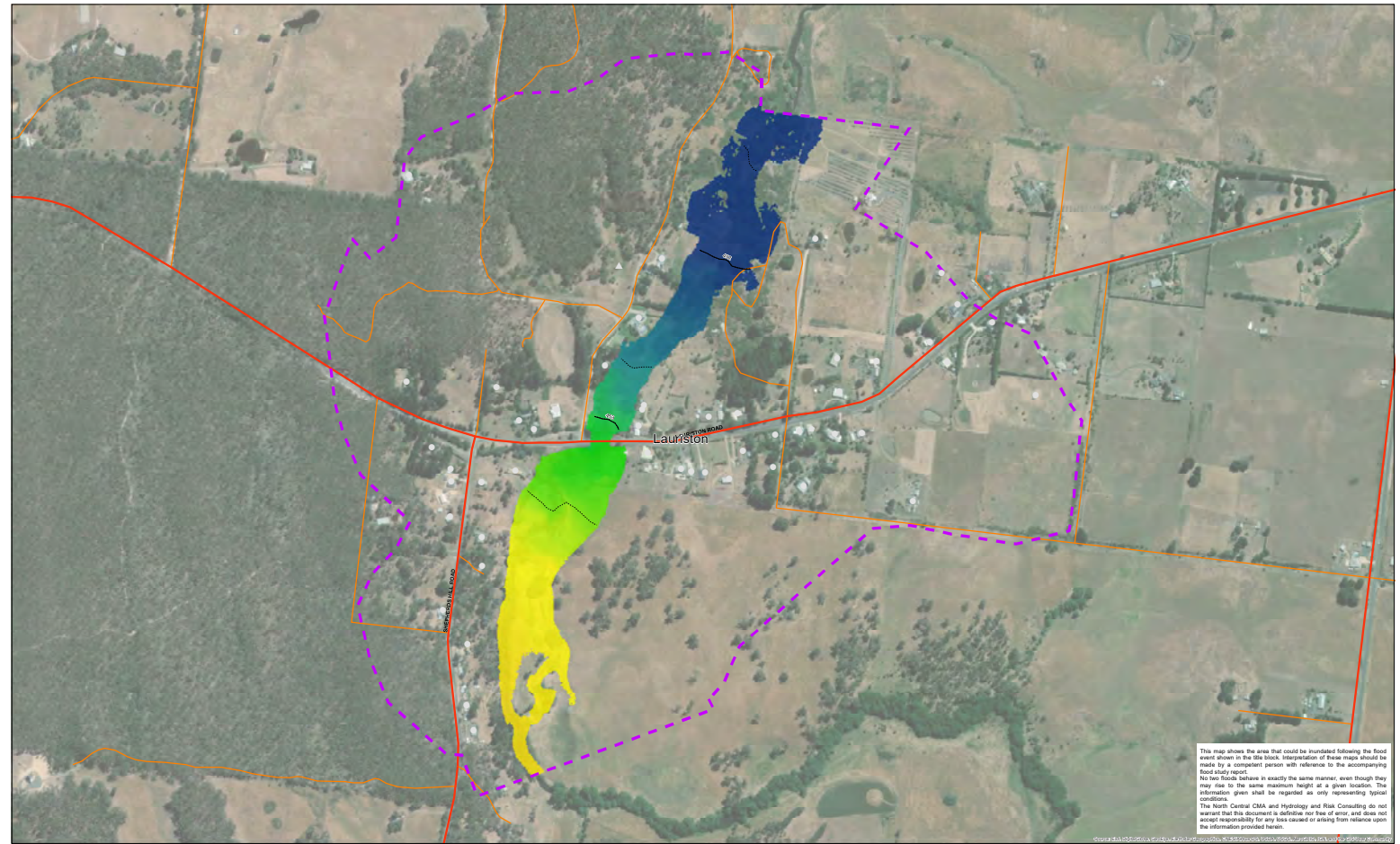
Map No.: 16 - 20 - 1



This map shows the area that could be inundated following the flood event shown in the title block. Interpretation of these maps should be made by a competent person with reference to the accompanying flood study report.
No two flood events are exactly the same manner, even though they may rise to the same maximum height at a given location. The information given shall be reported as only representing typical conditions.
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Data Location: S:\3_Projects\NCC000025_Technical3_Mapping\NCC000025_InundationMapping_Datamaps\pages_VaDmaxMGASS.mxd
Roads Layer: Vromap; Imagery: ESRI; Geocapex Polygons: Navigable; PSMA Australia

Legend 	Building Classification ● Residential ● Commercial ● Industrial ● Public Building Inundation □ not inundated □ inundated (without floor level survey) ■ below floor level (with floor level survey) ■ above floor level (with floor level survey)	Max V x D (m²/s) □ < 0.4 □ 0.4 - 0.8 □ 0.8 - 1.2 ■ > 1.2		<table><tr><td>Drawn: A. SHEN</td><td>Project Director: D. STEPHENS</td></tr><tr><td>Checked: T. CRAIG</td><td></td></tr><tr><td>Project Manager: A. NORTHFIELD</td><td></td></tr><tr><td>Project No.: NCC00002</td><td></td></tr><tr><td>North Central CMA Project Manager: N. TRELOAR</td><td></td></tr></table>	Drawn: A. SHEN	Project Director: D. STEPHENS	Checked: T. CRAIG		Project Manager: A. NORTHFIELD		Project No.: NCC00002		North Central CMA Project Manager: N. TRELOAR		NORTH CENTRAL CMA RAPID FLOOD RISK ASSESSMENT MAXIMUM V x D (m²/s) Lauriston - 5% AEP Flood Event Horizontal Datum: GDA 1994 Grid: GDA 1994 MGA Zone 55	<table><tr><td>Scale: 1:3,500 when printed @ A1</td><td>Date: 25/02/2020</td><td>Map No.: 16-20-2</td></tr><tr><td></td><td></td><td></td></tr></table>	Scale: 1:3,500 when printed @ A1	Date: 25/02/2020	Map No.: 16-20-2			
Drawn: A. SHEN	Project Director: D. STEPHENS																					
Checked: T. CRAIG																						
Project Manager: A. NORTHFIELD																						
Project No.: NCC00002																						
North Central CMA Project Manager: N. TRELOAR																						
Scale: 1:3,500 when printed @ A1	Date: 25/02/2020	Map No.: 16-20-2																				



This map shows the area that could be inundated following the flood event shown in the title block. Interpretation of these maps should be made by a competent person with reference to the accompanying flood study report.
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The North Central CMA and Hydrology and Risk Consulting do not warrant that this document is definitive nor free of error, and does not accept responsibility for any loss caused or arising from reliance upon the information provided herein.

Data Location: S:\3_Projects\NCC000025_Technical\3_Mapping\NCC000025_InundationMapping_Dataviewpages_HumanMGAS5.mxd
Roads Layer: Vmap; Imagery: ESRI; Geoscape Polygons: Navigare, PSMA Australia

Legend

- CFAMFB Fire Station
- Police Station
- Hospital
- School/College
- Nursing Home/Aged Care
- Caravan Park

- Main Road
- Tertiary Road
- Railway Line
- Flood Model Extent
- Contour (1m)
- Contour (0.5m)

Building Classification

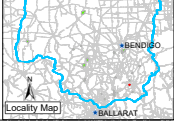
- Residential
- Commercial
- Industrial
- Public

Building Inundation

- not inundated
- inundated (without floor level survey)
- below floor level (with floor level survey)
- above floor level (with floor level survey)

Max WSE (mAHD) Lauriston

Value	High / 455
Low / 452	



Drawn: A. SHEN	Project Director: D. STEPHENS
Checked: T. CRAIG	
Project Manager: A. NORTHFIELD	
Project No.: NCC00002	
North Central CMA Project Manager: N. TRELOAR	

NORTH CENTRAL CMA RAPID FLOOD RISK ASSESSMENT
MAXIMUM WATER LEVEL (mAHD)
Lauriston - 5% AEP Flood Event

Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55

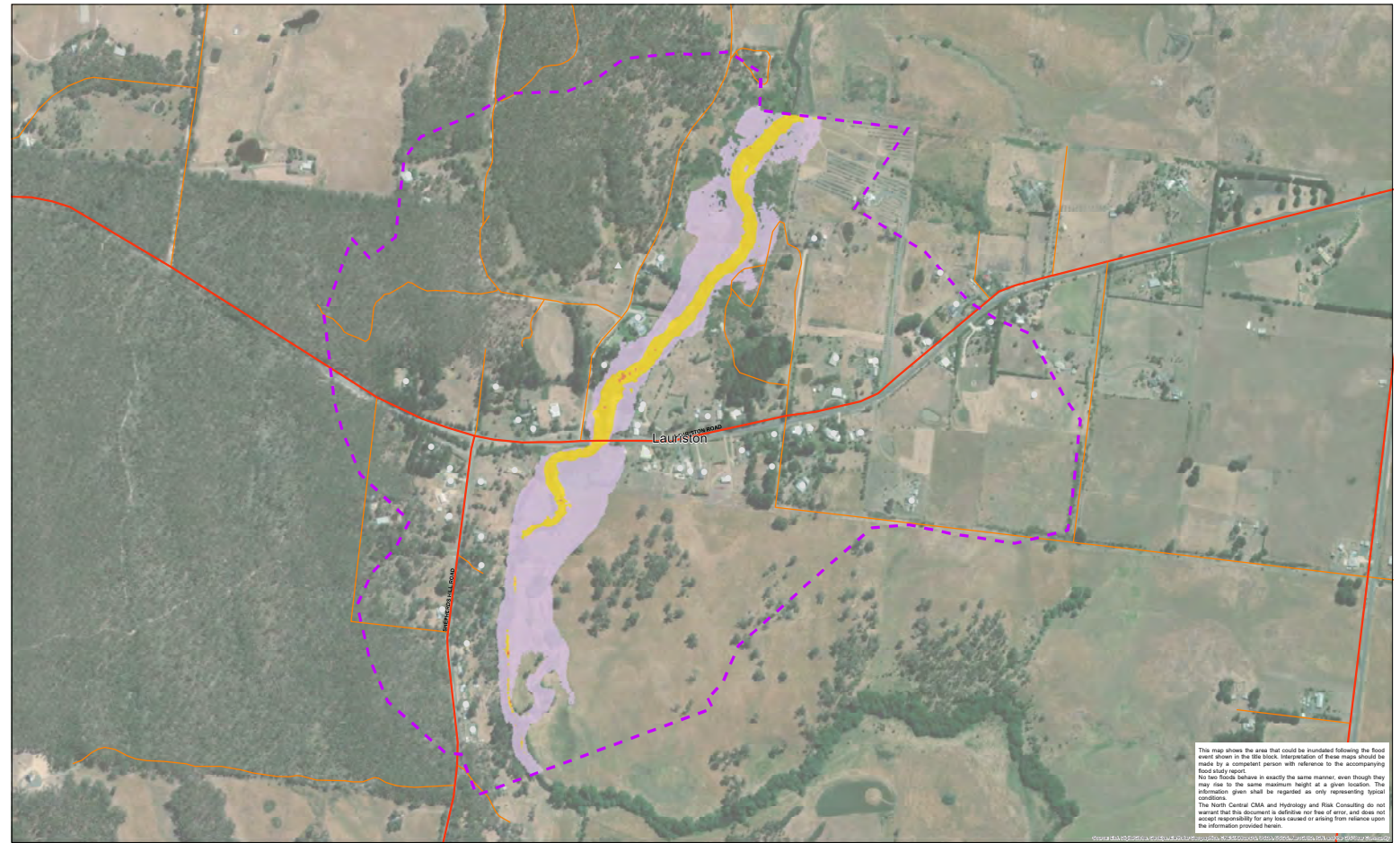
Scale: 1:3,500
when printed @ A1

Date: 25/02/2020

Map No.: 16 - 20 - 3

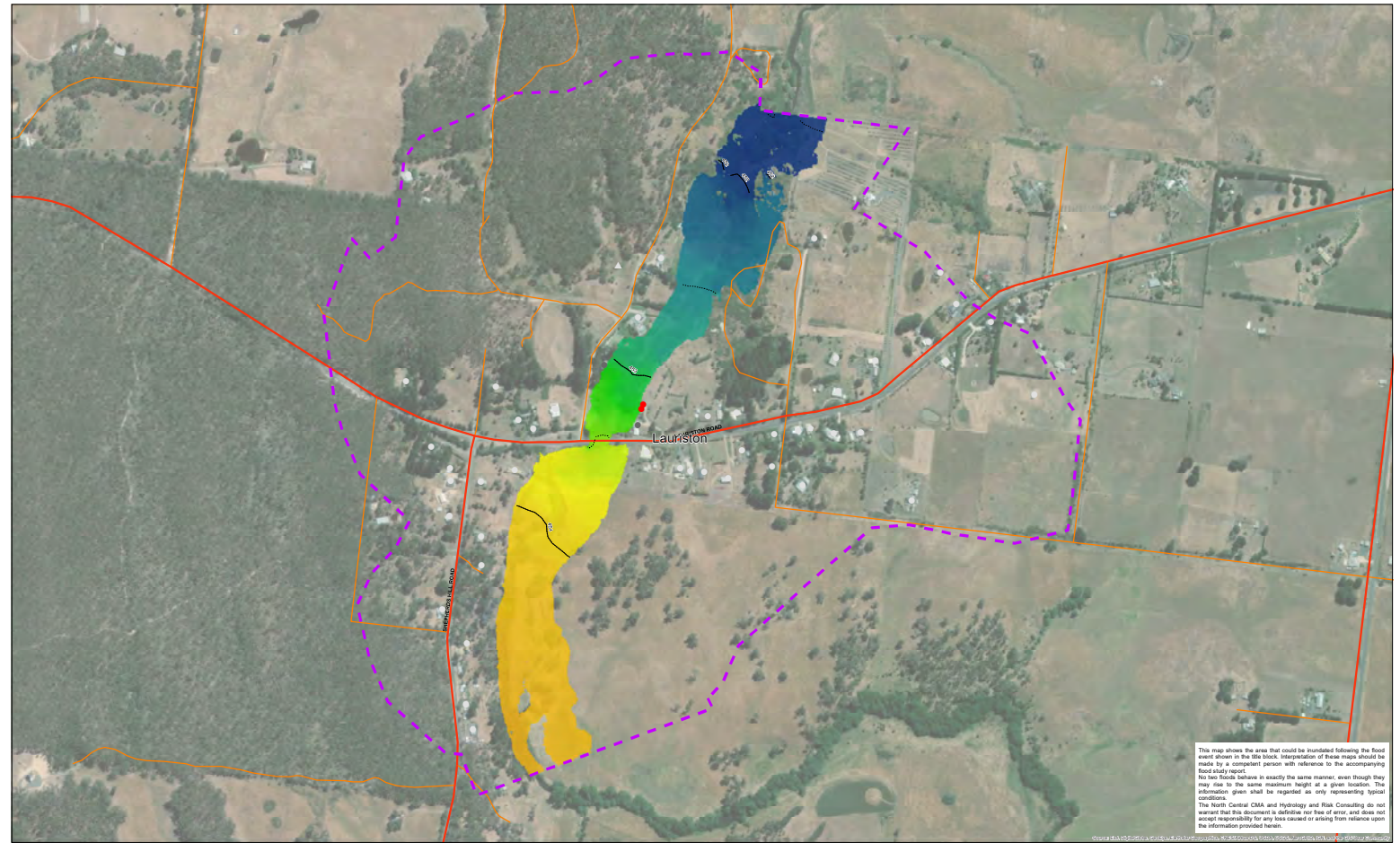


Data Location: S:\3_Projects\NCC000025_Technical\3_Mapping\NCC000025_InundationMapping_Details\InundationPages_HazardAMGA55.mxd
Roads Layer: Vmap; Imagery: ESRI; Geocache Polygons: Navigable; PSMA Australia



Data Location: S:\3_Projects\NCC000025_Technical3_Mapping\NCC000025_FloodMapping\Datatitlespages_Vmax\MGAS5.mxd
Roads Layer: Vmax; Imagery: ESRI; Geocache Polygons: Navigable, PSMA Australia

Legend Building Classification Building Inundation Max Velocity (m/s) 	 Drawn: A. SHEN Checked: T. CRAIG Project Manager: A. NORTHFIELD Project No.: NCC00002 North Central CMA Project Manager: N. TRELOAR	NORTH CENTRAL CMA RAPID FLOOD RISK ASSESSMENT MAXIMUM VELOCITY (m/s) Lauriston - 5% AEP Flood Event Horizontal Datum: GDA 1994 Grid: GDA 1994 MGA Zone 55	Scale: 1:3,500 Date: 25/02/2020 Map No.: 16 - 20 - 5
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This map shows the area that could be inundated following the flood event shown in the title block. Interpretation of these maps should be made by a competent person with reference to the accompanying flood study report.
No two flood events are exactly the same manner, even though they may rise to the same maximum height at a given location. The information given shall be reported as only representing typical conditions.
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Data Location: S:\3_Projects\NCC000025_Technical\3_Mapping\NCC000025_InundationMapping_Dataviewpages_HumanMGAS5.mxd
Roads Layer: Vmap; Imagery: ESRI; Geoscape Polygons: Navigare, PSMA Australia.

Legend

- CFAMFB Fire Station
- Police Station
- Hospital
- School/College
- Nursing Home/Aged Care
- Caravan Park

- Main Road
- Tertiary Road
- Railway Line
- Flood Model Extent
- Contour (1m)
- Contour (0.5m)

Building Classification

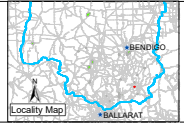
- Residential
- Commercial
- Industrial
- Public

Building Inundation

- not inundated
- inundated (without floor level survey)
- below floor level (with floor level survey)
- above floor level (with floor level survey)

Max WSE (mAHD) Lauriston

Value	High 455
Low 452	



Drawn: A. SHEN	Project Director: D. STEPHENS
Checked: T. CRAIG	
Project Manager: A. NORTHFIELD	
Project No.: NCC00002	
North Central CMA Project Manager: N. TRELOAR	

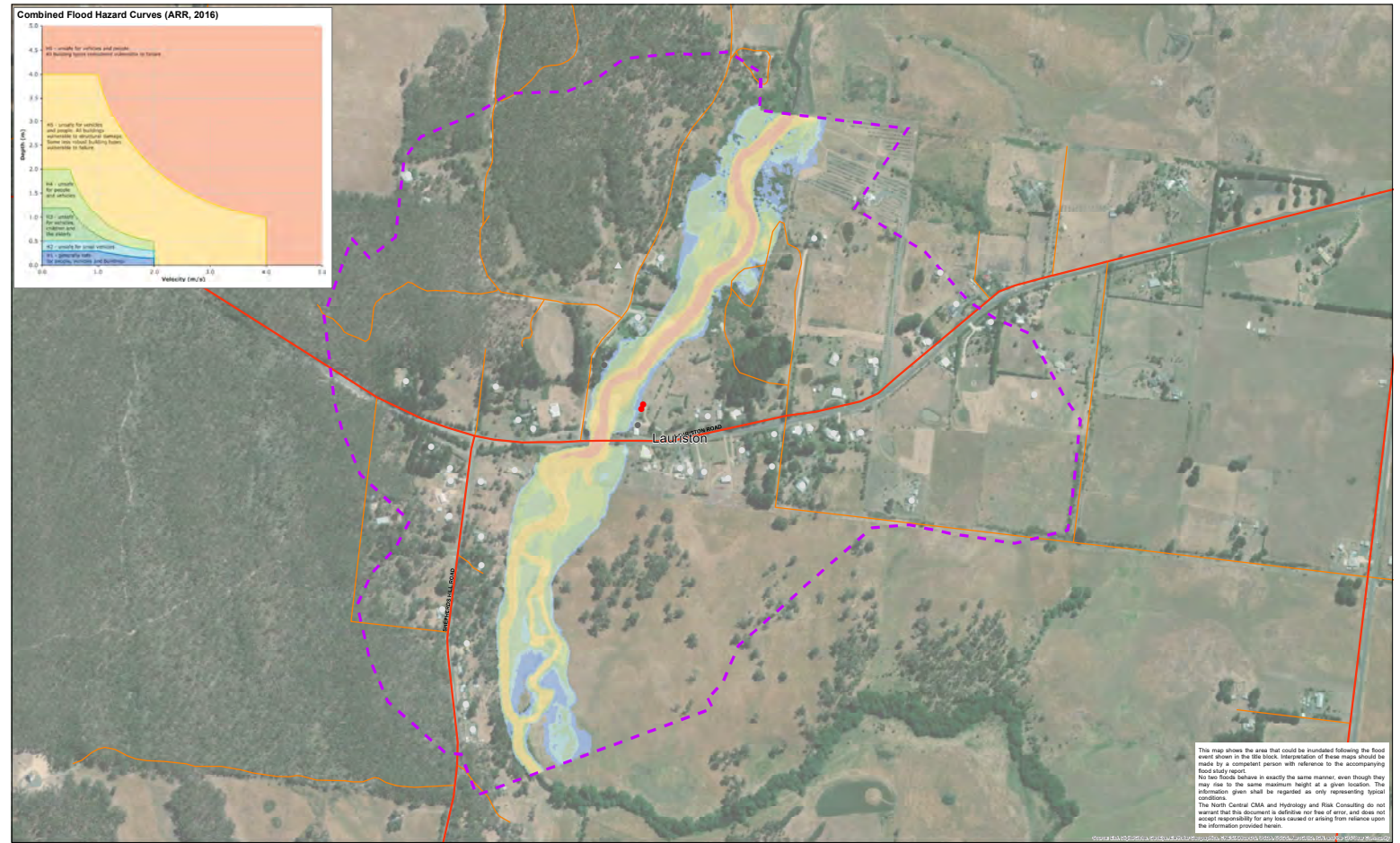
NORTH CENTRAL CMA RAPID FLOOD RISK ASSESSMENT
MAXIMUM WATER LEVEL (mAHD)
Lauriston - 2% AEP Flood Event

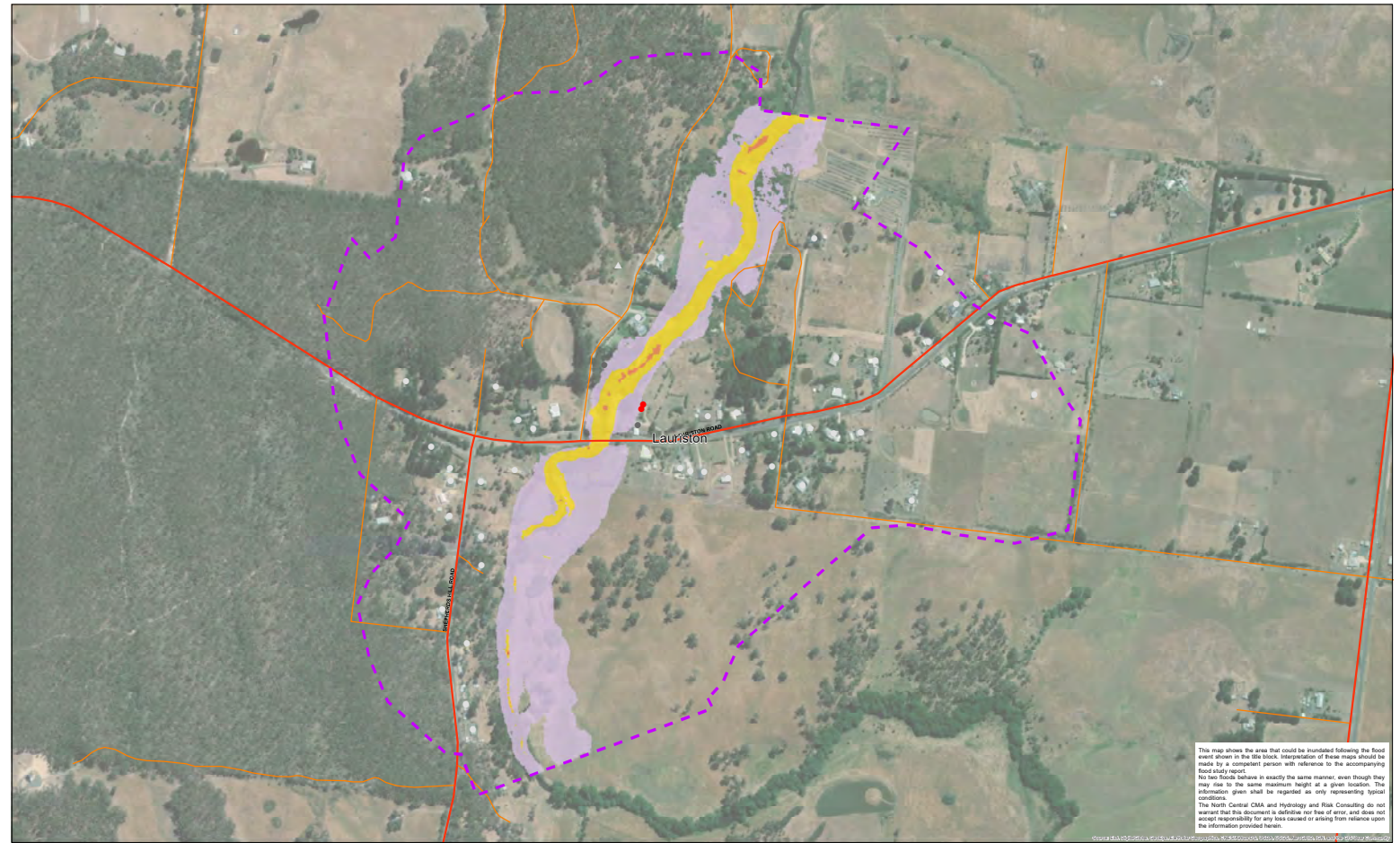
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55

Scale: 1:3,500
when printed @ A1

Date: 25/02/2020

Map No.: 16 - 50 - 3





Data Location: S:\3_Projects\NCC000025_Technical3_Mapping\NCC000025_FloodMapping\Datatitlespages_Vinam\MGAS5.mxd
Roads Layer: Vinam; Imagery: ESRI; Geocache Polygons: Navigable, PSMA Australia

Legend

CFAMFB Fire Station

Police Station

Hospital

School/College

Nursing Home/Aged Care

Caravan Park

Main Road

Tertiary Road

Railway Line

Flood Model Extent

Building Classification

- Residential
- Commercial
- Industrial
- Public

Building Inundation

- not inundated
- inundated (without floor level survey)
- below floor level (with floor level survey)
- above floor level (with floor level survey)

Max Velocity (m/s)

- < 1
- 1 - 2
- 2 - 3
- > 3

Locality Map

Drawn: A. SHEN

Project Director: D. STEPHENS

Checked: T. CRAIG

Project Manager: A. NORTHFIELD

Project No.: NCC00002

North Central CMA Project Manager: N. TRELOAR

NORTH CENTRAL CMA RAPID FLOOD RISK ASSESSMENT
MAXIMUM VELOCITY (m/s)
Lauriston - 2% AEP Flood Event

0

200

400

Meters

N

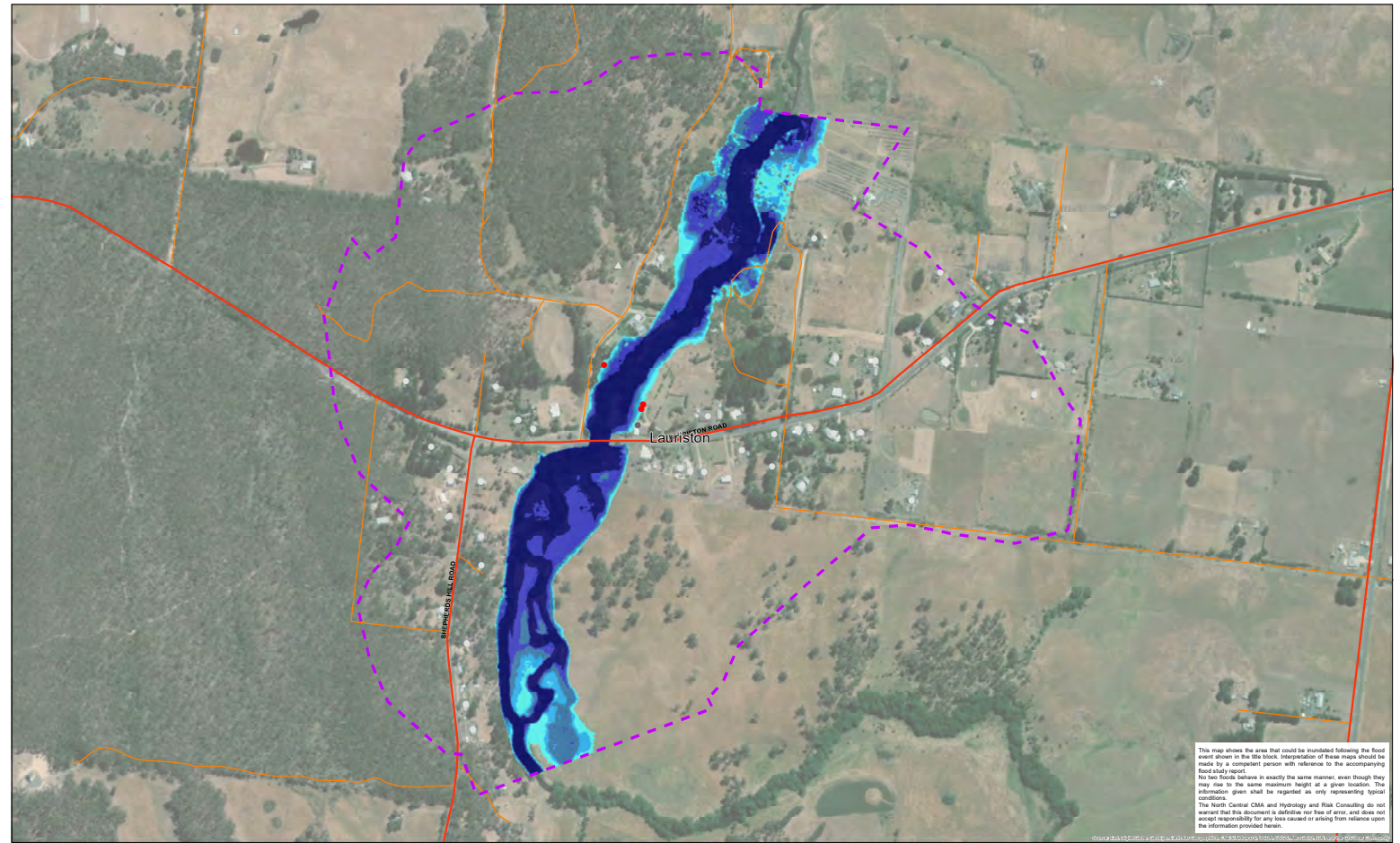
Horizontal Datum: GDA 1994

Grid: GDA 1994 MGA Zone 55

Scale: 1:3,500
when printed @ A1

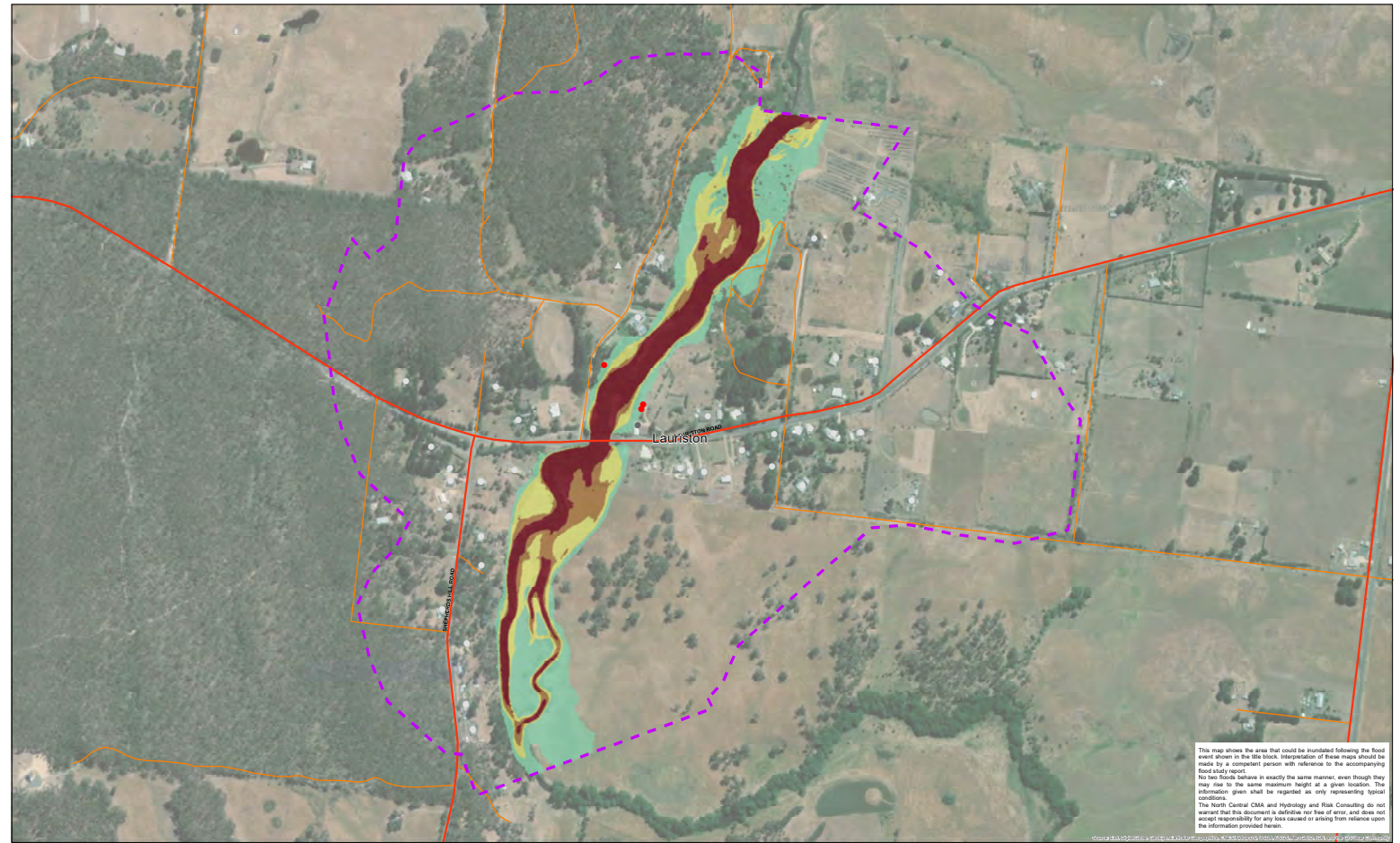
Date: 25/02/2020

Map No.: 16 - 50 - 5



Data Location: S:\3_Projects\NCC000025_Technical\3_Mapping\NCC000025_InundationMapping_Datamaps\pages_Datamaps\Map005.mxd
Roads Layer: Vmap; Imagery: ESRI; Geocache Polygons: Navigable, PSMA Australia

Legend CFAMFS Fire Station Police Station Hospital School/College Nursing Home/Aged Care Caravan Park Main Road Tertiary Road Railway Line Flood Model Extent Building Classification Residential Commercial Industrial Public Building Inundation not inundated inundated (without floor level survey) below floor level (with floor level survey) above floor level (with floor level survey) Max Depth (m) < 0.3 0.3 - 0.5 0.5 - 0.8 0.8 - 1.2 > 1.2		<table><tr><td>Drawn:</td><td>A. SHEN</td><td>Project Director:</td><td>D. STEPHENS</td></tr><tr><td>Checked:</td><td>T. CRAIG</td><td></td><td></td></tr><tr><td>Project Manager:</td><td>A. NORTHFIELD</td><td></td><td></td></tr><tr><td>Project No.:</td><td>NCC00002</td><td></td><td></td></tr><tr><td>North Central CMA Project Manager:</td><td>N. TRELOAR</td><td></td><td></td></tr></table>	Drawn:	A. SHEN	Project Director:	D. STEPHENS	Checked:	T. CRAIG			Project Manager:	A. NORTHFIELD			Project No.:	NCC00002			North Central CMA Project Manager:	N. TRELOAR			NORTH CENTRAL CMA RAPID FLOOD RISK ASSESSMENT MAXIMUM DEPTH (m) Lauriston - 1% AEP Flood Event 0 200 400 Meters	N Horizontal Datum: GDA 1994 Grid: GDA 1994 MGA Zone 55	<table><tr><td>Scale:</td><td>1:3,500 when printed @ A1</td><td>Date:</td><td>25/02/2020</td><td>Map No.:</td><td>16 - 100 - 1</td></tr><tr><td colspan="6"></td></tr></table>	Scale:	1:3,500 when printed @ A1	Date:	25/02/2020	Map No.:	16 - 100 - 1						
Drawn:	A. SHEN	Project Director:	D. STEPHENS																																		
Checked:	T. CRAIG																																				
Project Manager:	A. NORTHFIELD																																				
Project No.:	NCC00002																																				
North Central CMA Project Manager:	N. TRELOAR																																				
Scale:	1:3,500 when printed @ A1	Date:	25/02/2020	Map No.:	16 - 100 - 1																																



This map shows the area that could be inundated following the flood event shown in the title block. Interpretation of these maps should be made by a competent person with reference to the accompanying flood study report.
No two flood events are exactly the same manner, even though they may rise to the same maximum height at a given location. The information given shall be reported as only representing typical conditions.
The North Central CMA and Hydrology and Risk Consulting do not warrant that this document is definitive nor free of error, and does not accept responsibility for any loss caused or arising from reliance upon the information provided herein.

Data Location: S:\3_Projects\NCC000025_Technical3_Mapping\NCC000025_InundationMapping_Dataviewpages_VaDmaxMGASS.mxd
Roads Layer: Vromap; Imagery: ESRI; Geocache Polygons: Navigable; PSMA Australia

Legend

- CFAMFB Fire Station
- Police Station
- Hospital
- School/College
- Nursing Home/Aged Care
- Caravan Park
- Main Road
- Tertiary Road
- Railway Line
- Flood Model Extent

Building Classification

- Residential
- Commercial
- Industrial
- Public

Building Inundation

- not inundated
- inundated (without floor level survey)
- below floor level (with floor level survey)
- above floor level (with floor level survey)

Max V x D (m²/s)

- < 0.4
- 0.4 - 0.8
- 0.8 - 1.2
- > 1.2

Locality Map

Drawn: A. SHEN	Project Director: D. STEPHENS
Checked: T. CRAIG	
Project Manager: A. NORTHFIELD	
Project No.: NCC00002	
North Central CMA Project Manager: N. TRELOAR	

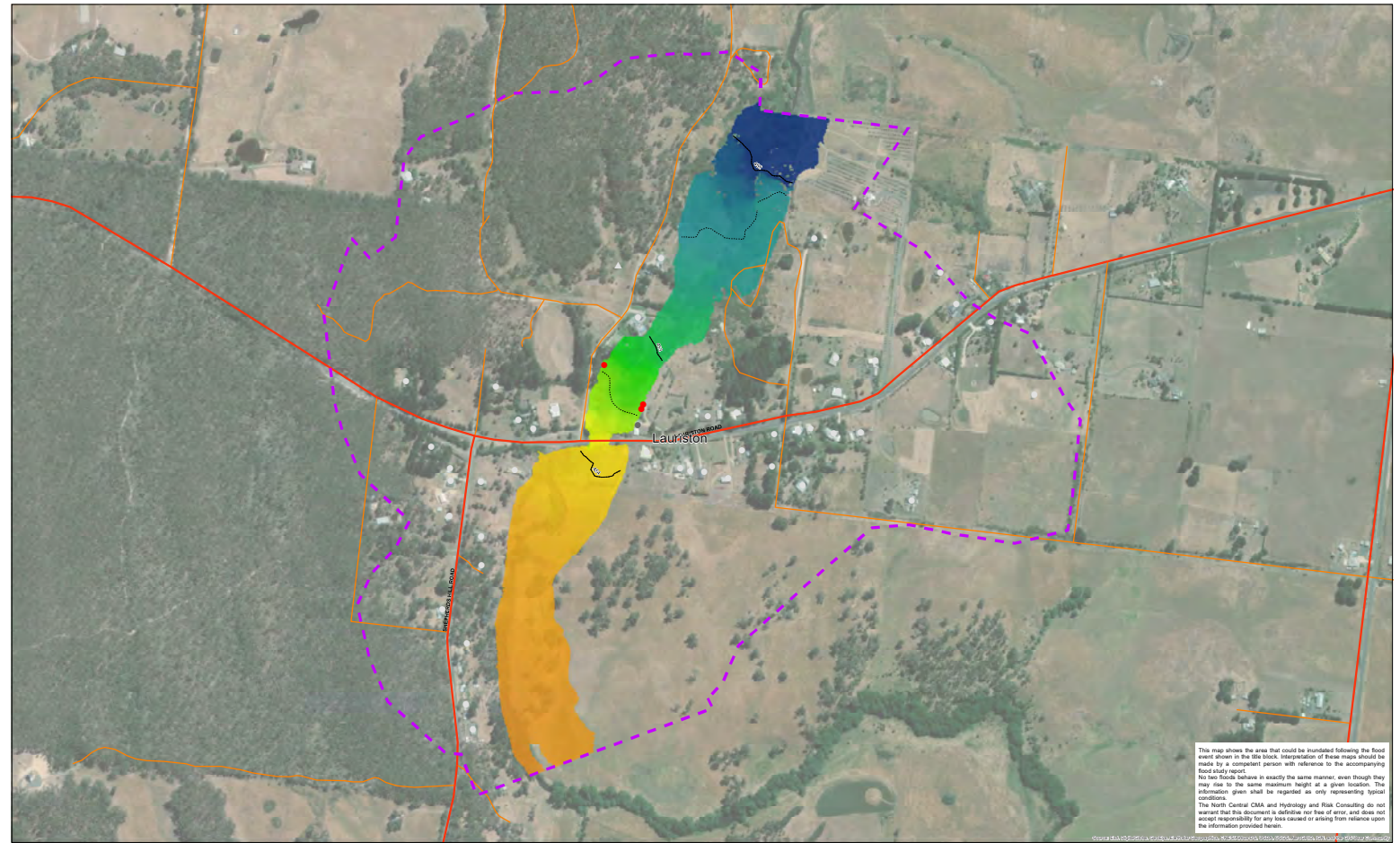
NORTH CENTRAL CMA RAPID FLOOD RISK ASSESSMENT
MAXIMUM V x D (m²/s)
Lauriston - 1% AEP Flood Event

Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55

Scale: 1:3,500
when printed @ A1

Date: 25/02/2020

Map No.: 16 - 100 - 2



Data Location: S:\3_Projects\NCC000025_Technical\3_Mapping\NCC000025_InundationMapping_Dataviewpages_HumanMGAS5.mxd
Roads Layer: Vmap; Imagery: ESRI; Geoscape Polygons: Navigare, PSMA Australia

Legend

- CFAMFB Fire Station
- Police Station
- Hospital
- School/College
- Nursing Home/Aged Care
- Caravan Park
- Main Road
- Tertiary Road
- Railway Line
- Flood Model Extent
- Contour (1m)
- Contour (0.5m)

Building Classification

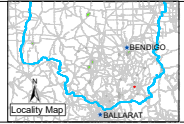
- Residential
- Commercial
- Industrial
- Public

Building Inundation

- not inundated
- inundated (without floor level survey)
- below floor level (with floor level survey)
- above floor level (with floor level survey)

Max WSE (mAHD) Lauriston

Value	High 455
	Low 452



Drawn: A. SHEN	Project Director: D. STEPHENS
Checked: T. CRAIG	
Project Manager: A. NORTHFIELD	
Project No.: NCC00002	
North Central CMA Project Manager: N. TRELOAR	

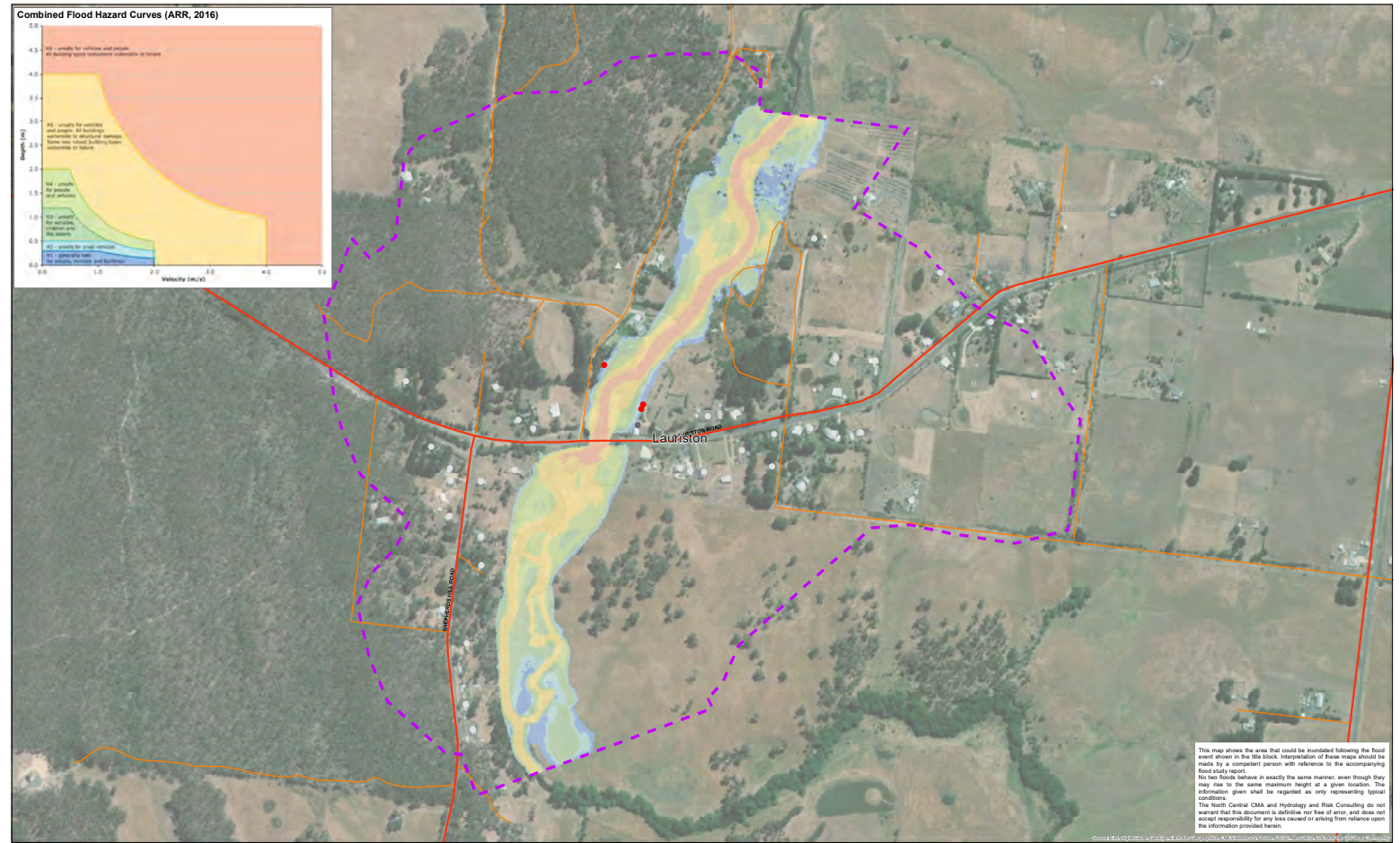
NORTH CENTRAL CMA RAPID FLOOD RISK ASSESSMENT
MAXIMUM WATER LEVEL (mAHD)
Lauriston - 1% AEP Flood Event

Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55

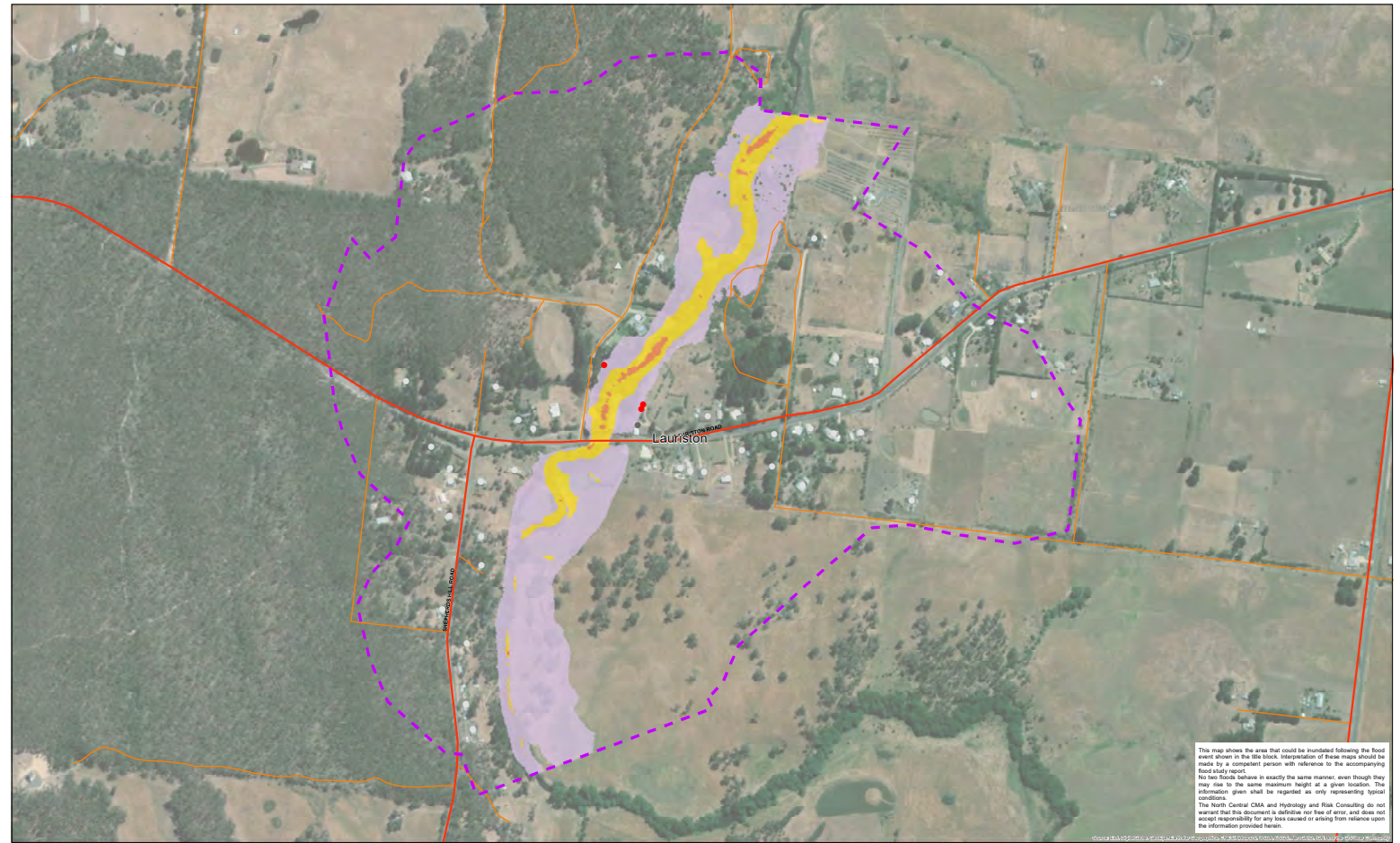
Scale: 1:3,500
when printed @ A1

Date: 25/02/2020

Map No.: 16 - 100 - 3



Data Location: S:\3_Projects\NCC000025_Technical3_Mapping\NCC000025_InundationMapping_Details\Inundation_HazardMap\GASS.mxd
Roads Layer: Vmap; Imagery: ESRI; Geocache Polygons: Navigable; PSMA Australia.



Data Location: S:\3_Projects\NCC000025_Technical3_Mapping\NCC000025_FloodMapping_Dataviewpages_Vmax\MGAS5.mxd
Roads Layer: Vmap; Imagery: ESRI; Geocache Polygons: Navigable, PSMA Australia

Legend

CFAMFB Fire Station

Police Station

Hospital

School/College

Nursing Home/Aged Care

Caravan Park

Main Road

Tertiary Road

Railway Line

Flood Model Extent

Building Classification

Residential

Commercial

Industrial

Public

Building Inundation

not inundated

inundated (without floor level survey)

below floor level (with floor level survey)

above floor level (with floor level survey)

Max Velocity (m/s)

< 1

1 - 2

2 - 3

> 3

Drawn: A. SHEN

Project Director: D. STEPHENS

Checked: T. CRAIG

Project Manager: A. NORTHFIELD

Project No.: NCC00002

North Central CMA Project Manager: N. TRELOAR

NORTH CENTRAL CMA RAPID FLOOD RISK ASSESSMENT

MAXIMUM VELOCITY (m/s)

Lauriston - 1% AEP Flood Event

Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55

Hydrology and Risk Consulting

North Central CMA

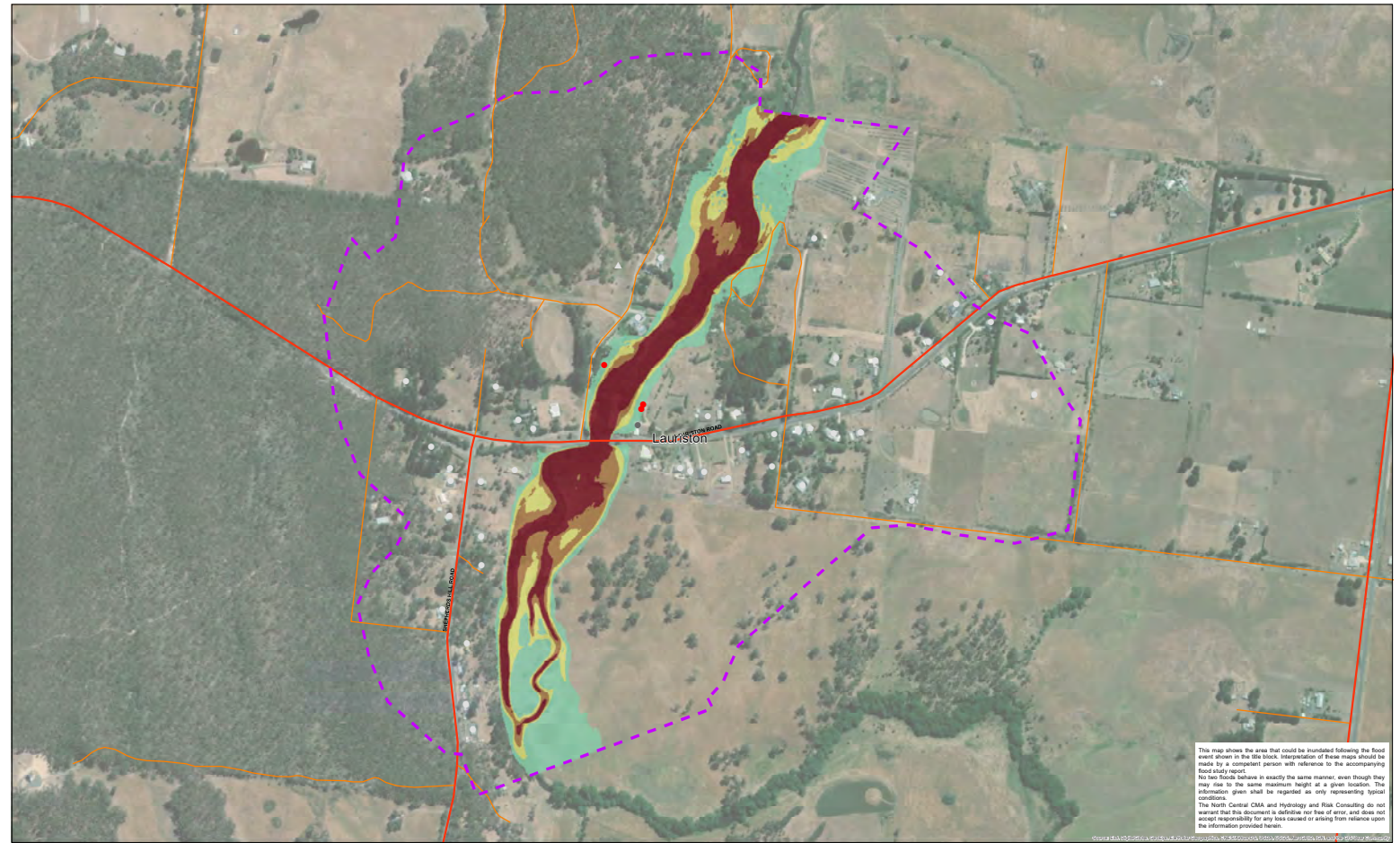
VICTORIA

Australian Government

Scale: 1:3,500
when printed @ A1

Date: 25/02/2020

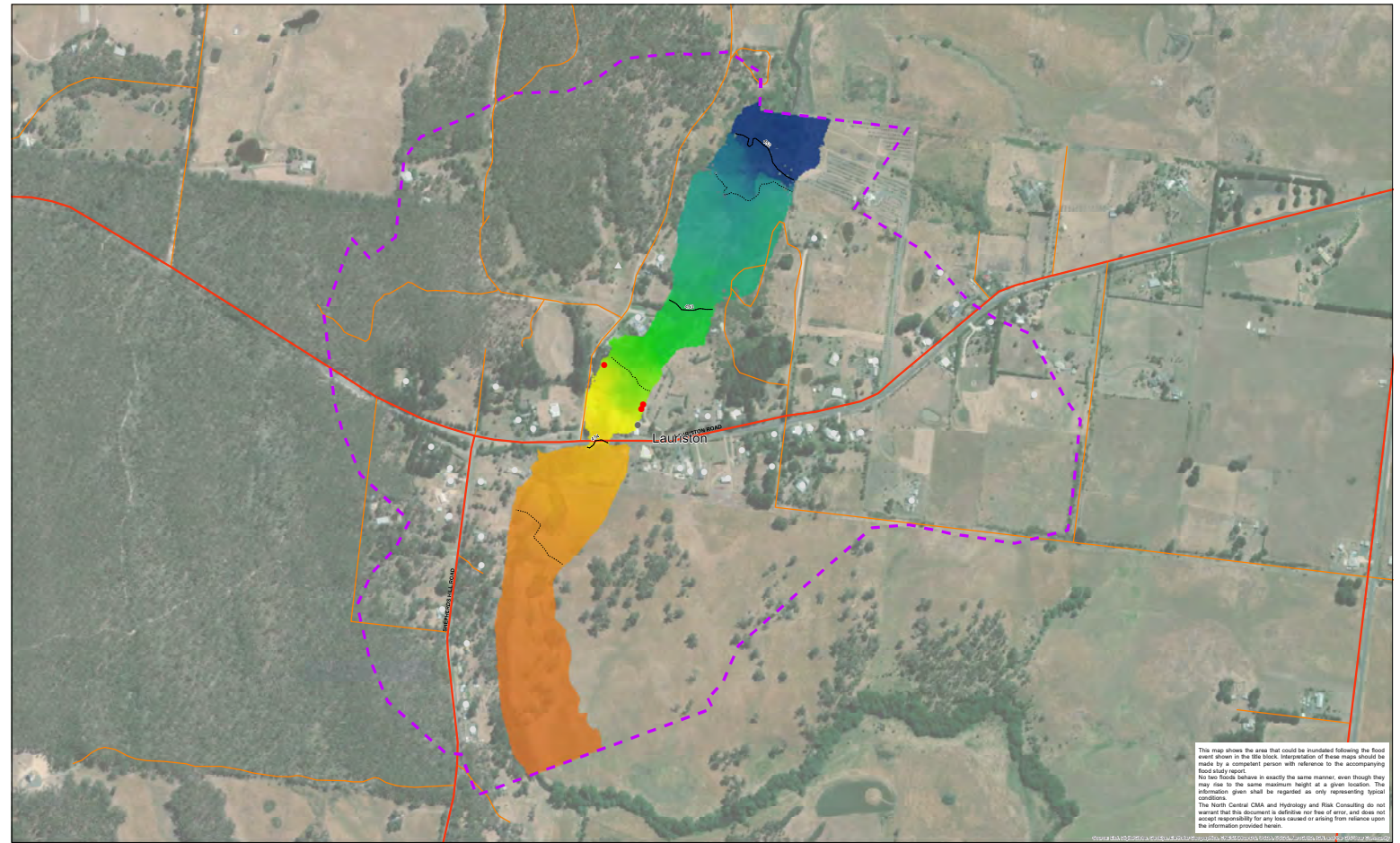
Map No.: 16 - 100 - 5



This map shows the area that could be inundated following the flood event shown in the title block. Interpretation of these maps should be made by a competent person with reference to the accompanying flood study report.
No two flood events are exactly the same manner, even though they may rise to the same maximum height at a given location. The information given shall be reported as only representing typical conditions.
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Data Location: S:\3_Projects\NCC000025_Technical\3_Mapping\NCC000025_InundationMapping_Datamaps\pages_VaDmap\MGASS.mxd
Roads Layer: Vmap; Imagery: ESRI; Geocache Polygon: Navigable; PSMA Australia.

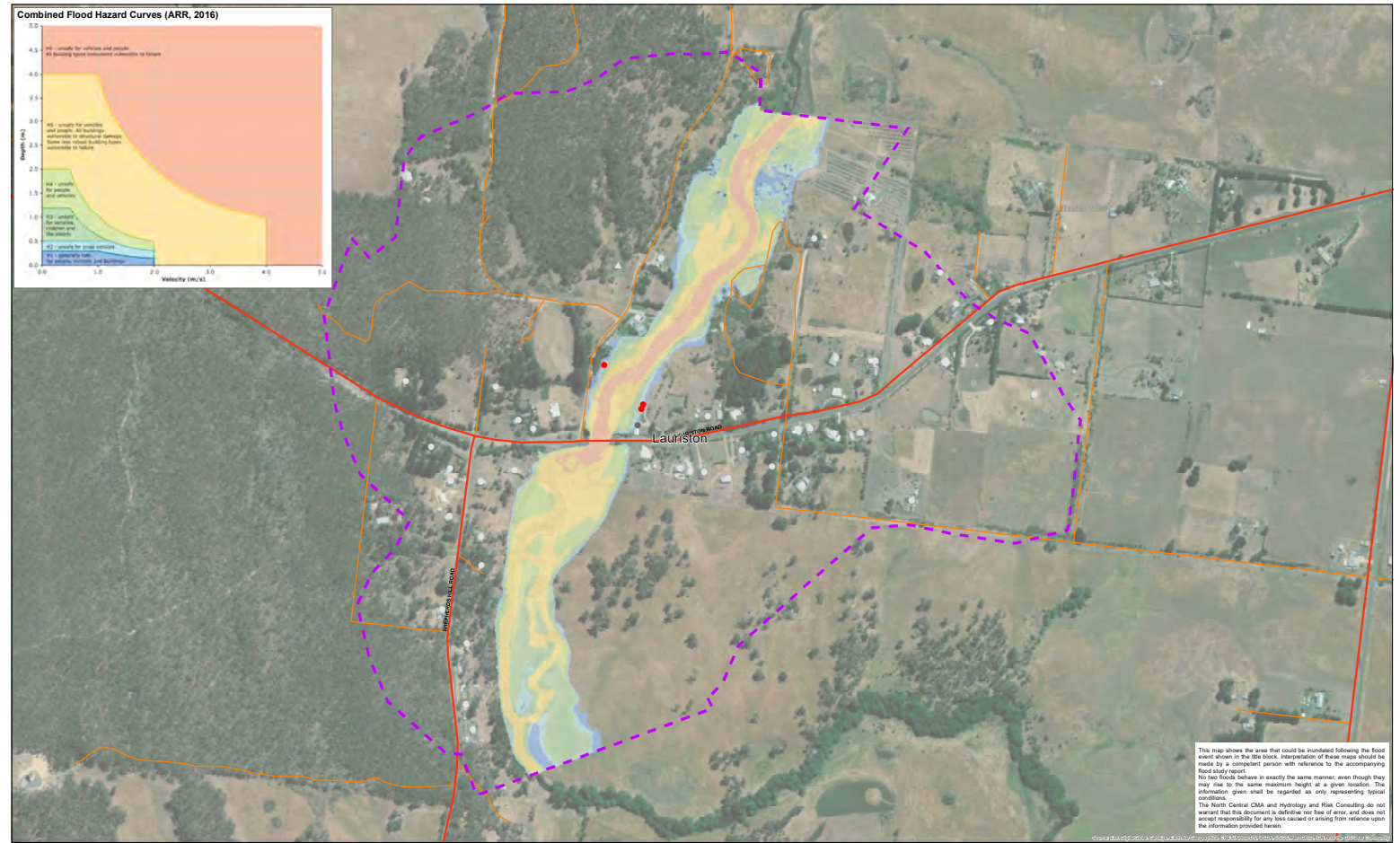
Legend Building Classification Building Inundation Max V x D (m³/s) > 1.2 symbol"/>		<table border="1"><tr><td>Drawn:</td><td>A. SHEN</td><td>Project Director:</td><td>D. STEPHENS</td></tr><tr><td>Checked:</td><td>T. CRAIG</td><td></td><td></td></tr><tr><td>Project Manager:</td><td>A. NORTHFIELD</td><td></td><td></td></tr><tr><td>Project No.:</td><td>NCC00002</td><td></td><td></td></tr><tr><td>North Central CMA Project Manager:</td><td>N. TRELOAR</td><td></td><td></td></tr></table>	Drawn:	A. SHEN	Project Director:	D. STEPHENS	Checked:	T. CRAIG			Project Manager:	A. NORTHFIELD			Project No.:	NCC00002			North Central CMA Project Manager:	N. TRELOAR			NORTH CENTRAL CMA RAPID FLOOD RISK ASSESSMENT MAXIMUM V x D (m³/s) Lauriston - 0.5% AEP Flood Event 0 200 400 Meters Horizontal Datum: GDA 1994 Grid: GDA 1994 MGA Zone 55	Scale: 1:3,500 when printed @ A1 Date: 25/02/2020 Map No.: 16 - 200 - 2
Drawn:	A. SHEN	Project Director:	D. STEPHENS																					
Checked:	T. CRAIG																							
Project Manager:	A. NORTHFIELD																							
Project No.:	NCC00002																							
North Central CMA Project Manager:	N. TRELOAR																							



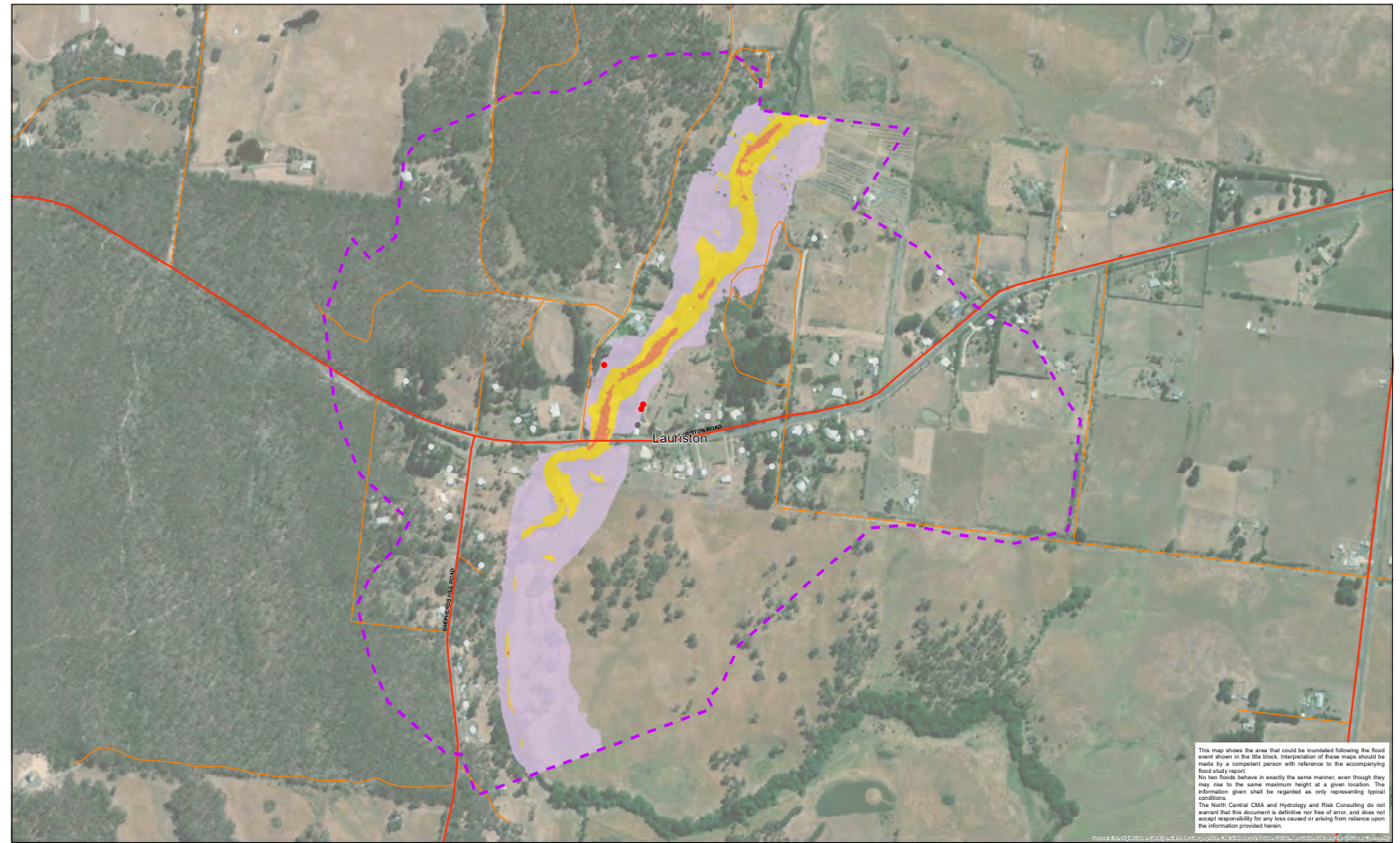
This map shows the area that could be inundated following the flood event shown in the title block. Interpretation of these maps should be made by a competent person with reference to the accompanying flood study report.
No two flood events are exactly the same manner, even though they may rise to the same maximum height at a given location. The information given shall be reported as only representing typical conditions.
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Data Location: S:\3_Projects\NCC000025_Technical\3_Mapping\NCC000025_InundationMapping_Dataviewpages_HumanMGAS5.mxd
Roads Layer: Vmap; Imagery: ESRI; Geocatch Polygons: Navigare, PSMA Australia.

Legend Building Classification ● Residential ● Commercial ▲ Industrial ▲ Public Building Inundation ■ not inundated ■ inundated (without floor level survey) ■ below floor level (with floor level survey) ■ above floor level (with floor level survey) Max WSE (mAHD) Lauriston Value High 455 Low 452		<table><tr><td>Drawn: A. SHEN</td><td>Project Director: D. STEPHENS</td></tr><tr><td>Checked: T. CRAIG</td><td></td></tr><tr><td>Project Manager: A. NORTHFIELD</td><td></td></tr><tr><td>Project No.: NCC00002</td><td></td></tr><tr><td>North Central CMA Project Manager: N. TRELOAR</td><td></td></tr></table>	Drawn: A. SHEN	Project Director: D. STEPHENS	Checked: T. CRAIG		Project Manager: A. NORTHFIELD		Project No.: NCC00002		North Central CMA Project Manager: N. TRELOAR		NORTH CENTRAL CMA RAPID FLOOD RISK ASSESSMENT MAXIMUM WATER LEVEL (mAHD) Lauriston - 0.5% AEP Flood Event 0 200 400 Meters Horizontal Datum: GDA 1994 Grid: GDA 1994 MGA Zone 55	Scale: 1:3,500 when printed @ A1 Date: 25/02/2020 Map No.: 16 - 200 - 3
Drawn: A. SHEN	Project Director: D. STEPHENS													
Checked: T. CRAIG														
Project Manager: A. NORTHFIELD														
Project No.: NCC00002														
North Central CMA Project Manager: N. TRELOAR														



Data Location: S:\3_Projects\NCC000025_Technical\3_Mapping\NCC000025_InundationMapping_Datamaps\pages_HazardAMGAS5.mxd
Roads Layer: Vmap; Imagery: ESRI; Geocache Polygons: Navigable; PSMA Australia



This map shows the area that could be inundated following the flood event shown in the title block. Interpretation of these maps should be made by a competent person with reference to the accompanying flood study report.
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Data Location: S:\3_Projects\NCC000025_Technical3_Mapping\NCC000025_FloodMapping_Datamaps\pages_Vmax\MGAS5.mxd
Roads Layer: Vmap; Imagery: ESRI; Geocache Polygons: Navigable, PSMA Australia

Legend

CFAMFB Fire Station

Police Station

Hospital

School/College

Nursing Home/Aged Care

Caravan Park

Main Road

Tertiary Road

Railway Line

Flood Model Extent

Building Classification

Residential

Commercial

Industrial

Public

Building Inundation

not inundated

inundated (without floor level survey)

below floor level (with floor level survey)

above floor level (with floor level survey)

Max Velocity (m/s)

< 1

1 - 2

2 - 3

> 3

Locality Map

Drawn: A. SHEN

Project Director: D. STEPHENS

Checked: T. CRAIG

Project Manager: A. NORTHFIELD

Project No.: NCC00002

North Central CMA Project Manager: N. TRELOAR

NORTH CENTRAL CMA RAPID FLOOD RISK ASSESSMENT

MAXIMUM VELOCITY (m/s)

Lauriston - 0.5% AEP Flood Event

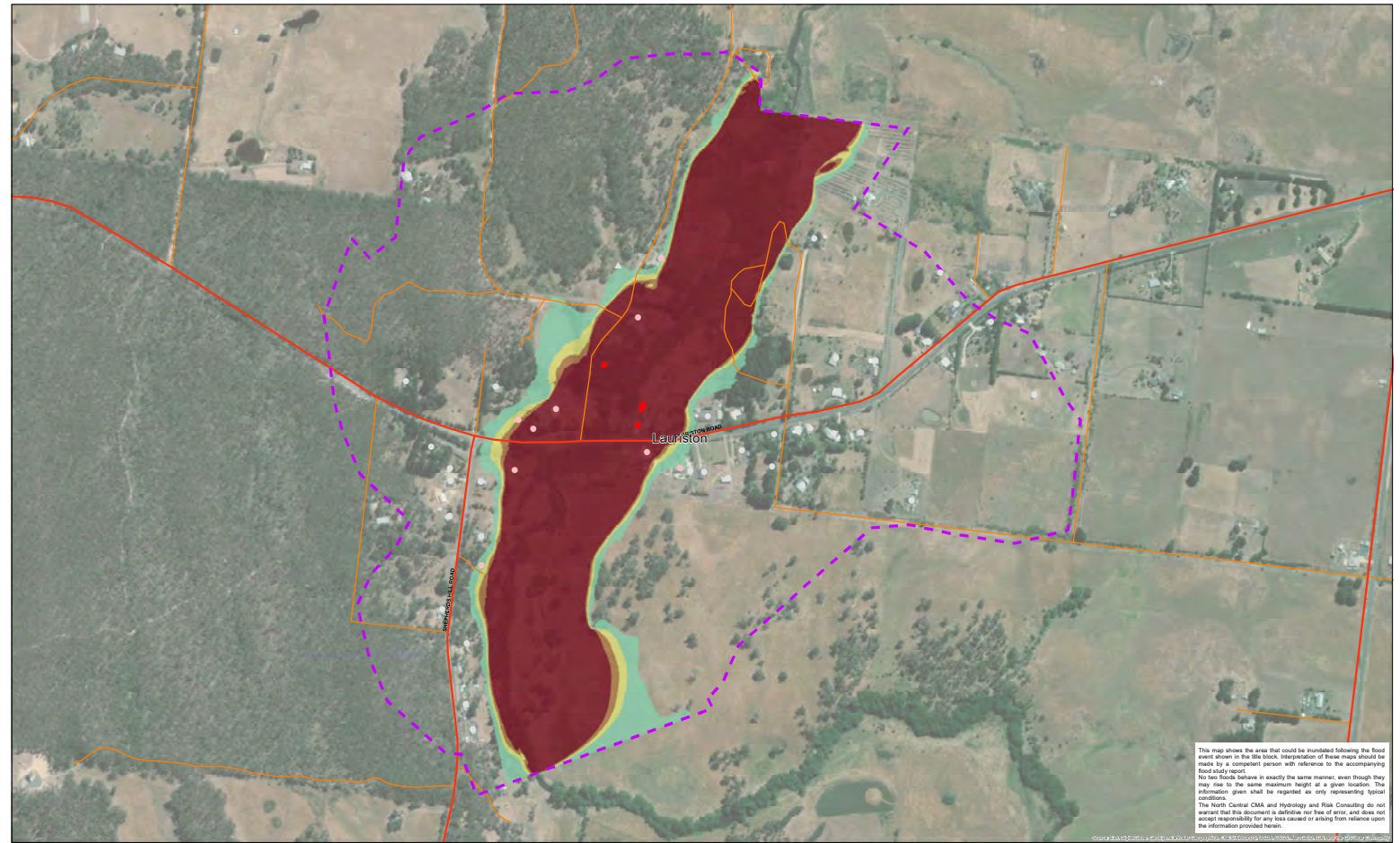
Horizontal Datum: GDA 1994

Grid: GDA 1994 MGA Zone 55

Scale: 1:3,500

Date: 25/02/2020

Map No.: 16 - 200 - 5



This map shows the area that could be inundated following the flood event shown in the title block. Interpretation of these maps should be made by a competent person with reference to the accompanying flood study report.
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Data Location: S:\3_Projects\NCC000025_Technical3_Mapping\NCC000025_InundationMapping_Datamaps\pages_VaDmax\MGASS.mxd
Roads Layer: Vromap; Imagery: ESRI; Geocache Polygons: Navigable; PSMA Australia

Legend

CFAMFB Fire Station

Police Station

Hospital

School/College

Nursing Home/Aged Care

Caravan Park

Main Road

Tertiary Road

Railway Line

Flood Model Extent

Building Classification

Residential

Commercial

Industrial

Public

Building Inundation

not inundated

inundated (without floor level survey)

below floor level (with floor level survey)

above floor level (with floor level survey)

Max V x D (m²/s)

0.4 - 0.8

0.8 - 1.2

> 1.2 symbol"/> > 1.2

Locality Map

Drawn: A. SHEN

Checked: T. CRAIG

Project Manager: A. NORTHFIELD

Project No.: NCC00002

North Central CMA Project Manager: N. TRELOAR

Project Director: D. STEPHENS

NORTH CENTRAL CMA RAPID FLOOD RISK ASSESSMENT

MAXIMUM V x D (m²/s)

Lauriston - PMF Event

0

200

400

Meters

Horizontal Datum: GDA 1994

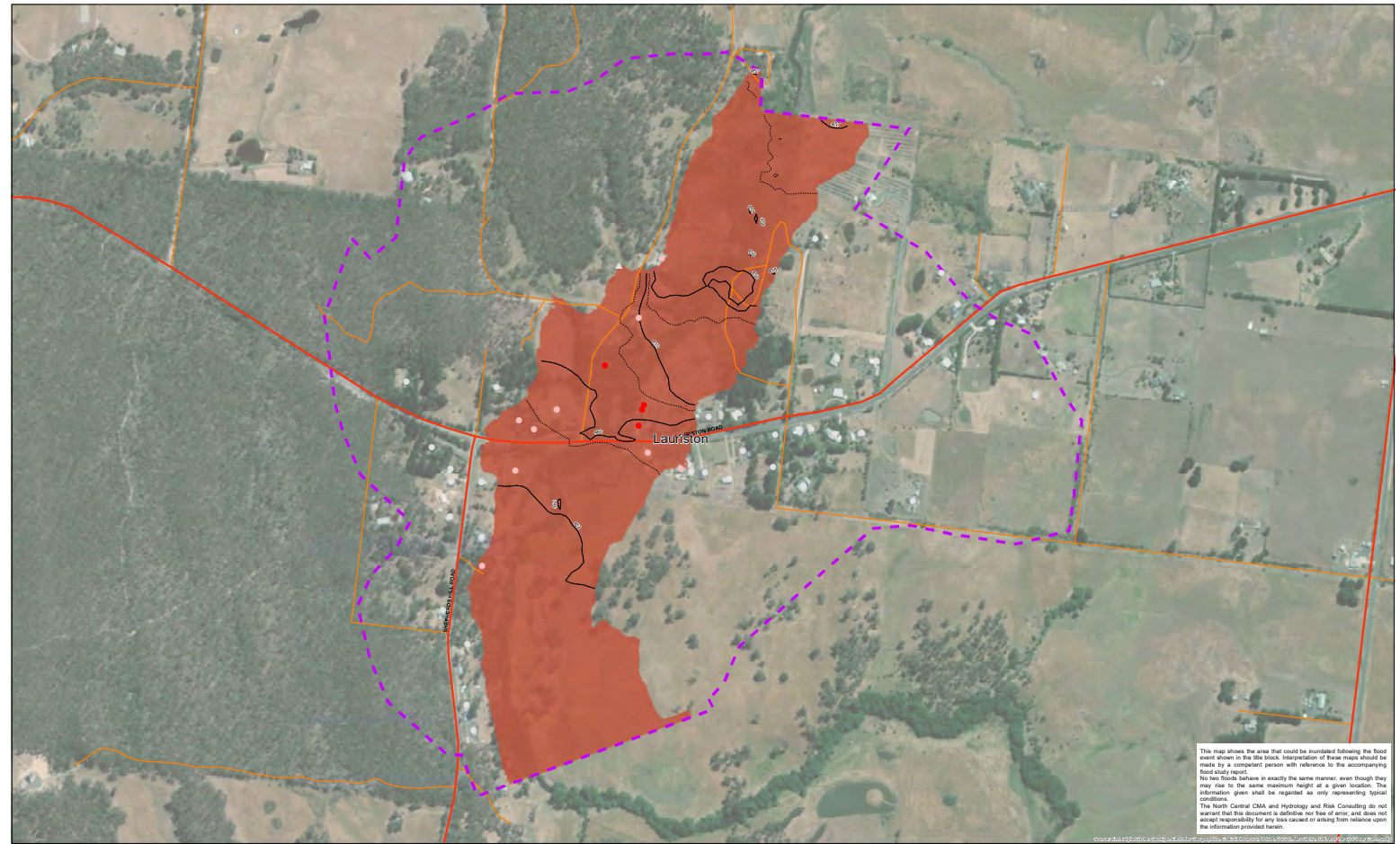
Grid: GDA 1994 MGA Zone 55

Scale: 1:3,500

when printed @ A1

Date: 25/02/2020

Map No.: 16 - PMF - 2



Data Location: S:\3_Projects\NCC000025_Technical\3_Mapping\NCC000025_InundationMapping_Dataviewpages_HumanMGAS5.mxd
Roads Layer: Vmap; Imagery: ESRI; Geocache Polygons: Navigable, PSMA Australia

Legend

- CFAMFB Fire Station
- Police Station
- Hospital
- School/College
- Nursing Home/Aged Care
- Caravan Park
- Main Road
- Tertiary Road
- Railway Line
- Flood Model Extent
- Contour (1m)
- Contour (0.5m)

Building Classification

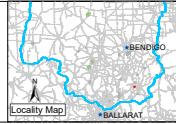
- Residential
- Commercial
- Industrial
- Public

Building Inundation

- not inundated
- inundated (without floor level survey)
- below floor level (with floor level survey)
- above floor level (with floor level survey)

Max WSE (mAHD) Lauriston

Value	High	Low
455	452	

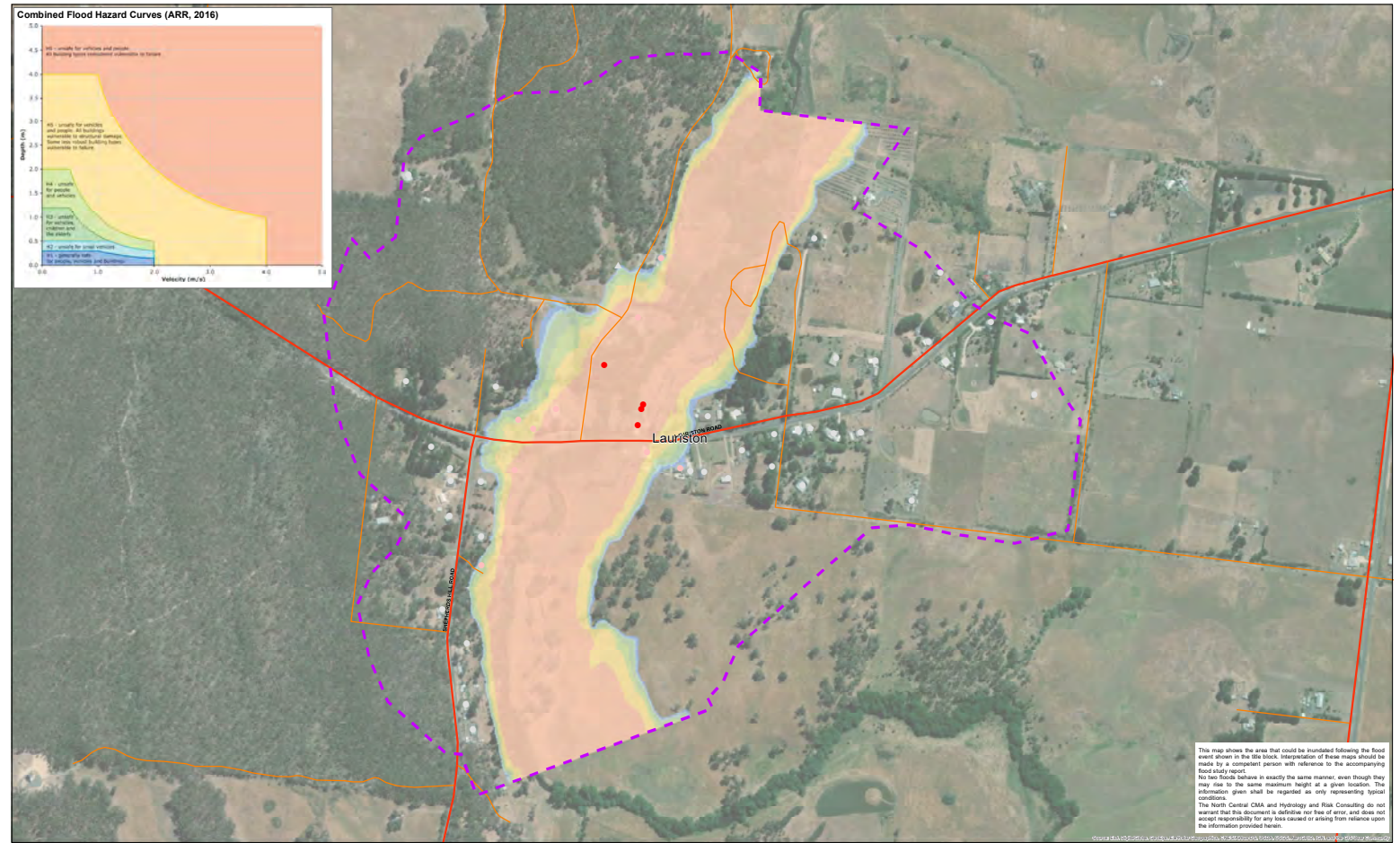


Drawn: A. SHEN	Project Director: D. STEPHENS
Checked: T. CRAIG	
Project Manager: A. NORTHFIELD	
Project No.: NCC00002	
North Central CMA Project Manager: N. TRELOAR	

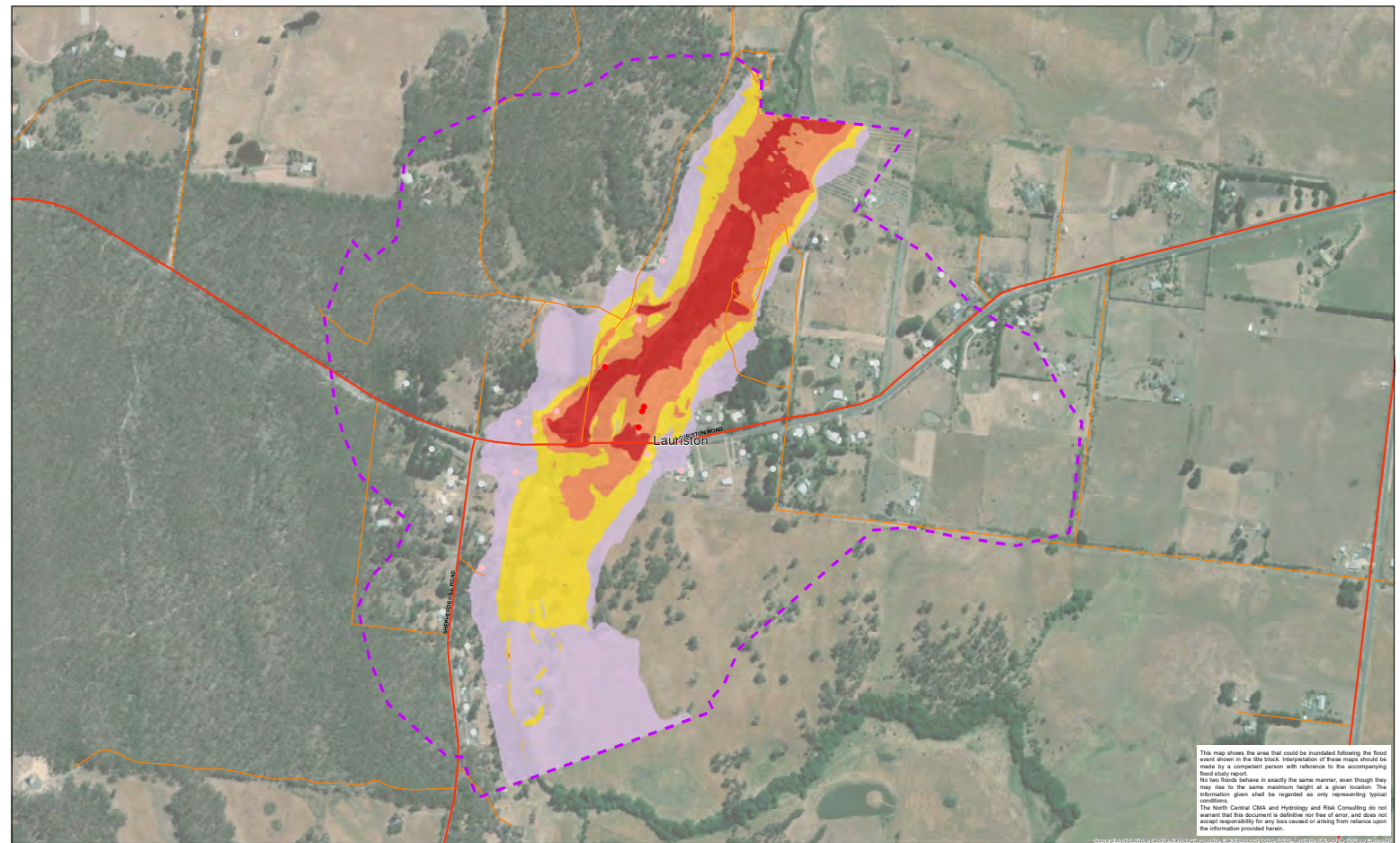
NORTH CENTRAL CMA RAPID FLOOD RISK ASSESSMENT
MAXIMUM WATER LEVEL (mAHD)
Lauriston - PMF Event

Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55

Scale: 1:3,500
Date: 25/02/2020
Map No.: 16 - PMF - 3



Data Location: S:\3_Projects\NCC000025_Technical\3_Mapping\NCC00002_InundationMapping\Detail\Inundation_Hazard\AMGAS.mxd
Roads Layer: Vmap; Imagery: ESRI; Geocache Polygons: Navigable; PSMA Australia.



This map shows the area that could be inundated following the flood event shown in the title block. Interpretation of these maps should be made by a competent person with reference to the accompanying flood study report.
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Data Location: S:\3_Projects\NCC000025_Technical3_Mapping\NCC000025_FloodMapping\Datamaps\pages_Vmax\MGAS5.mxd
Roads Layer: Vmax; Imagery: ESRI; Geocache Polygons: Navigable, PSMA Australia

Legend Building Classification Building Inundation Max Velocity (m/s) 	 Project Information Drawn: A. SHEN Checked: T. CRAIG Project Manager: A. NORTHFIELD Project No.: NCC00002 North Central CMA Project Manager: N. TRELOAR Project Director: D. STEPHENS	NORTH CENTRAL CMA RAPID FLOOD RISK ASSESSMENT MAXIMUM VELOCITY (m/s) Lauriston - PMF Event Horizontal Datum: GDA 1994 Grid: GDA 1994 MGA Zone 55	Scale: 1:3,500 Date: 25/02/2020 Map No.: 16 - PMF - 5
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