

Limestone Creek Local Catchment Study

Baseline Flooding Assessment - Volume 2

Limestone Creek Local Catchment Study

Baseline Flooding Assessment - Volume 2

Client: Rockhampton Regional Council

ABN: 59 923 523 766

Prepared by

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14-Jul-2017

Job No.: 60534898

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Explanatory Notes and Disclaimer

These maps are to be read in conjunction with the Limestone Creek Local Catchment Study - Volume 1 (AECOM, 2017). Study methodology and assumptions are outlined in the Volume 1 report.

This mapping has been developed to represent local catchment flood behaviour in the Limestone Creek catchment area, bounded by the model extents described in the Volume 1 report. It is noted that flooding occurs upstream and downstream of these locations which are outside the extent of the two-dimensional hydraulic models.

Information presented in this mapping may vary, depending upon development within the floodplain over time. It is suggested that the TUFLOW models and these associated maps be updated by Council as development occurs.

The development of the TUFLOW hydraulic model is detailed in the Limestone Creek Local Catchment Study - Volume 1 (AECOM, 2017). This report outlines input data, modelling assumptions and schematisation parameters adopted.

All information presented in this mapping is expressed in metres Australian Height Datum (AHD).

Hydraulic model results used in this mapping is based on a 3m fixed Cartesian grid hydraulic model. Use of the mapping to determine hydraulic parameters in sub-grid scale applications is not recommended.

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Baseline Mapping

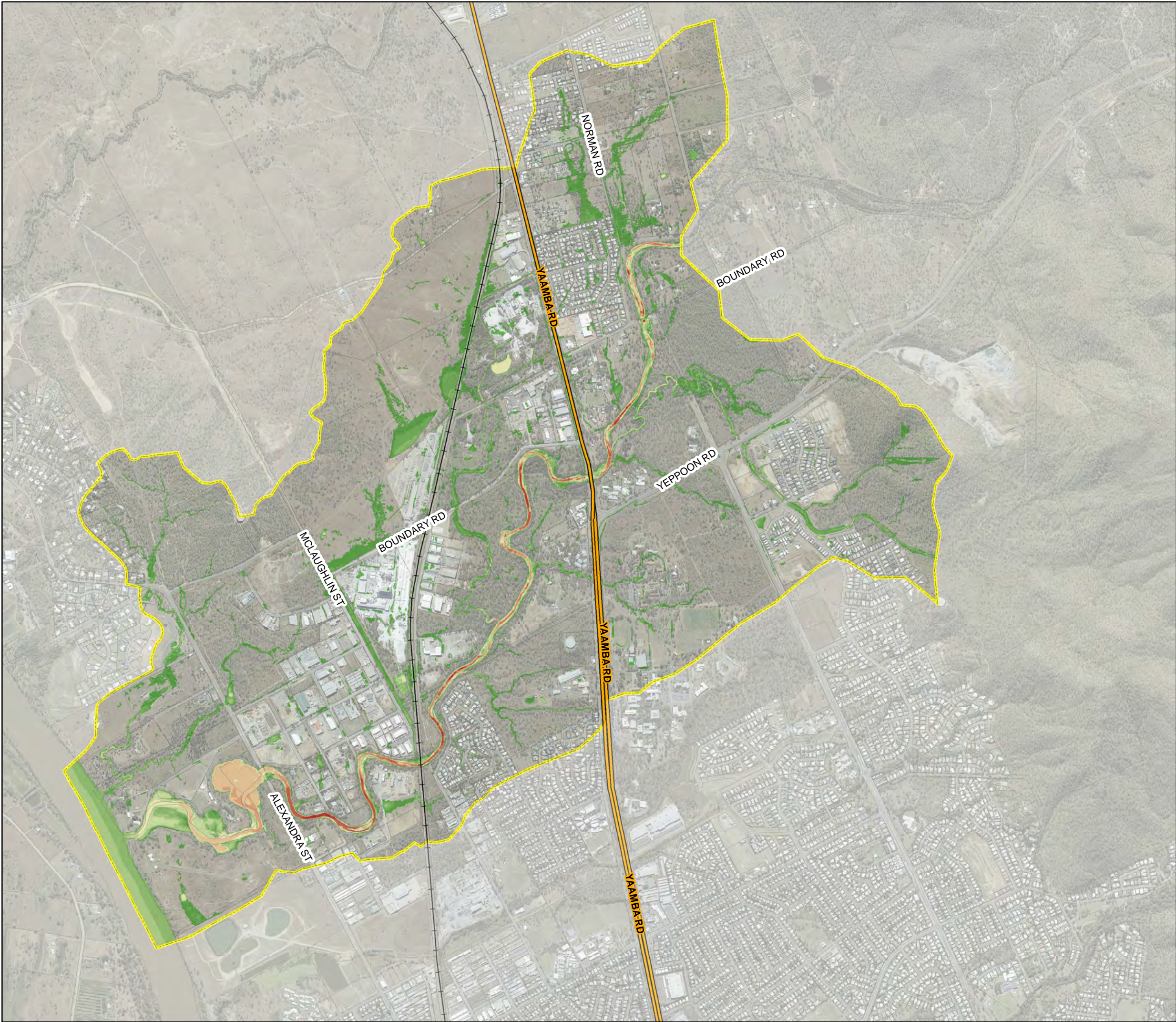
Map Number	Title
LC-01	Peak Flood Depths (1 EY 180min Storm Event)
LC-02	Peak Flood Heights (1 EY 180min Storm Event)
LC-03	Peak Depth Averaged Flood Velocity (1 EY 180min Storm Event)
LC-04	Peak Flood Depths (39% AEP 180min Storm Event)
LC-05	Peak Flood Heights (39% AEP 180min Storm Event)
LC-06	Peak Depth Averaged Flood Velocity (39% AEP 180min Storm Event)
LC-07	Peak Flood Depths (18% AEP 180min Storm Event) Overview
LC-08	Peak Flood Depths (18% AEP 180min Storm Event) Area 1
LC-09	Peak Flood Depths (18% AEP 180min Storm Event) Area 2
LC-10	Peak Flood Depths (18% AEP 180min Storm Event) Area 3
LC-11	Peak Flood Depths (18% AEP 180min Storm Event) Area 4
LC-12	Peak Flood Heights (18% AEP 180min Storm Event) Overview
LC-13	Peak Flood Heights (18% AEP 180min Storm Event) Area 1
LC-14	Peak Flood Heights (18% AEP 180min Storm Event) Area 2
LC-15	Peak Flood Heights (18% AEP 180min Storm Event) Area 3
LC-16	Peak Flood Heights (18% AEP 180min Storm Event) Area 4
LC-17	Peak Depth Averaged Flood Velocity (18% AEP 180min Storm Event) Overview
LC-18	Peak Depth Averaged Flood Velocity (18% AEP 180min Storm Event) Area 1
LC-19	Peak Depth Averaged Flood Velocity (18% AEP 180min Storm Event) Area 2
LC-20	Peak Depth Averaged Flood Velocity (18% AEP 180min Storm Event) Area 3
LC-21	Peak Depth Averaged Flood Velocity (18% AEP 180min Storm Event) Area 4
LC-22	Peak Flood Depths (10% AEP 180min Storm Event)
LC-23	Peak Flood Heights (10% AEP 180min Storm Event)
LC-24	Peak Depth Averaged Flood Velocity (10% AEP 180min Storm Event)
LC-25	Peak Flood Depths (5% AEP 180min Storm Event)
LC-26	Peak Flood Heights (5% AEP 180min Storm Event)
LC-27	Peak Depth Averaged Flood Velocity (5% AEP 180min Storm Event)
LC-28	Peak Flood Depths (2% AEP 180min Storm Event)
LC-29	Peak Flood Heights (2% AEP 180min Storm Event)
LC-30	Peak Depth Averaged Flood Velocity (2% AEP 180min Storm Event)
LC-31	Peak Flood Depths (1% AEP Across Multiple Storm Durations) Overview
LC-32	Peak Flood Depths (1% AEP Across Multiple Storm Durations) Area 1
LC-33	Peak Flood Depths (1% AEP Across Multiple Storm Durations) Area 2
LC-34	Peak Flood Depths (1% AEP Across Multiple Storm Durations) Area 3
LC-35	Peak Flood Depths (1% AEP Across Multiple Storm Durations) Area 4
LC-36	Peak Flood Heights (1% AEP Across Multiple Storm Durations) Overview

Map Number	Title
LC-37	Peak Flood Heights (1% AEP Across Multiple Storm Durations) Area 1
LC-38	Peak Flood Heights (1% AEP Across Multiple Storm Durations) Area 2
LC-39	Peak Flood Heights (1% AEP Across Multiple Storm Durations) Area 3
LC-40	Peak Flood Heights (1% AEP Across Multiple Storm Durations) Area 4
LC-41	Peak Depth Averaged Flood Velocity (1% AEP Across Multiple Storm Durations) Overview
LC-42	Peak Depth Averaged Flood Velocity (1% AEP Across Multiple Storm Durations) Area 1
LC-43	Peak Depth Averaged Flood Velocity (1% AEP Across Multiple Storm Durations) Area 2
LC-44	Peak Depth Averaged Flood Velocity (1% AEP Across Multiple Storm Durations) Area 3
LC-45	Peak Depth Averaged Flood Velocity (1% AEP Across Multiple Storm Durations) Area 4
LC-46	Peak Flood Depths (0.2% AEP 180min Storm Event)
LC-47	Peak Flood Heights (0.2% AEP 180min Storm Event)
LC-48	Peak Depth Averaged Flood Velocity (0.2% AEP 180min Storm Event)
LC-49	Peak Flood Depths (0.05% AEP 180min Storm Event)
LC-50	Peak Flood Heights (0.05% AEP 180min Storm Event)
LC-51	Peak Depth Averaged Flood Velocity (0.05% AEP 180min Storm Event)
LC-52	Peak Flood Depths (PMF 180min Storm Event)
LC-53	Peak Flood Heights (PMF 180min Storm Event)
LC-54	Peak Depth Averaged Flood Velocity (PMF 180min Storm Event)
LC-55	Peak Flood Extent (180min Storm Event)

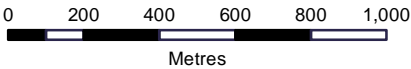
Sensitivity Analyses

Map Number	Title
LC-56	Difference in Peak Flood Height: 15% Increased Roughness minus Baseline (1% AEP 180min Storm Event)
LC-57	Difference in Peak Flood Height: 15% Decreased Roughness minus Baseline (1% AEP 180min Storm Event)
LC-58	Difference in Peak Flood Height: Climate Change to 2100 minus Baseline (1% AEP 180min Storm Event)
LC-59	Difference in Peak Flood Height: 18% AEP Fitzroy River Tail water Level minus Baseline (1% AEP 180min Storm Event)
LC-60	Difference in Peak Flood Height: 20% Stormwater Infrastructure Blockage minus Baseline (18% AEP 180min Storm Event)
LC-61	Difference in Peak Flood Height: 50% Stormwater Infrastructure Blockage minus Baseline (18% AEP 180min Storm Event)
LC-62	Difference in Peak Flood Height: 100% Stormwater Infrastructure Blockage minus Baseline (18% AEP 180min Storm Event)
LC-63	Difference in Peak Flood Height: Increased Inlet Structure Dimensions minus Baseline (18% AEP 180min Storm Event)
LC-64	Difference in Peak Flood Height: Key Cross Drainage Culvert Blockage minus Baseline (18% AEP 180min Storm Event)

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LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

Baseline Peak Flood Depth (m)

- < 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- 1.2 - 1.5
- 1.5 - 1.8
- 1.8 - 2.1
- 2.1 - 2.4
- 2.4 - 2.7
- 2.7 - 3
- > 3.0

**Flood results are based
on local catchment events**

Data Sources:
DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:
75mm Min. Depth
100m² Min. Area

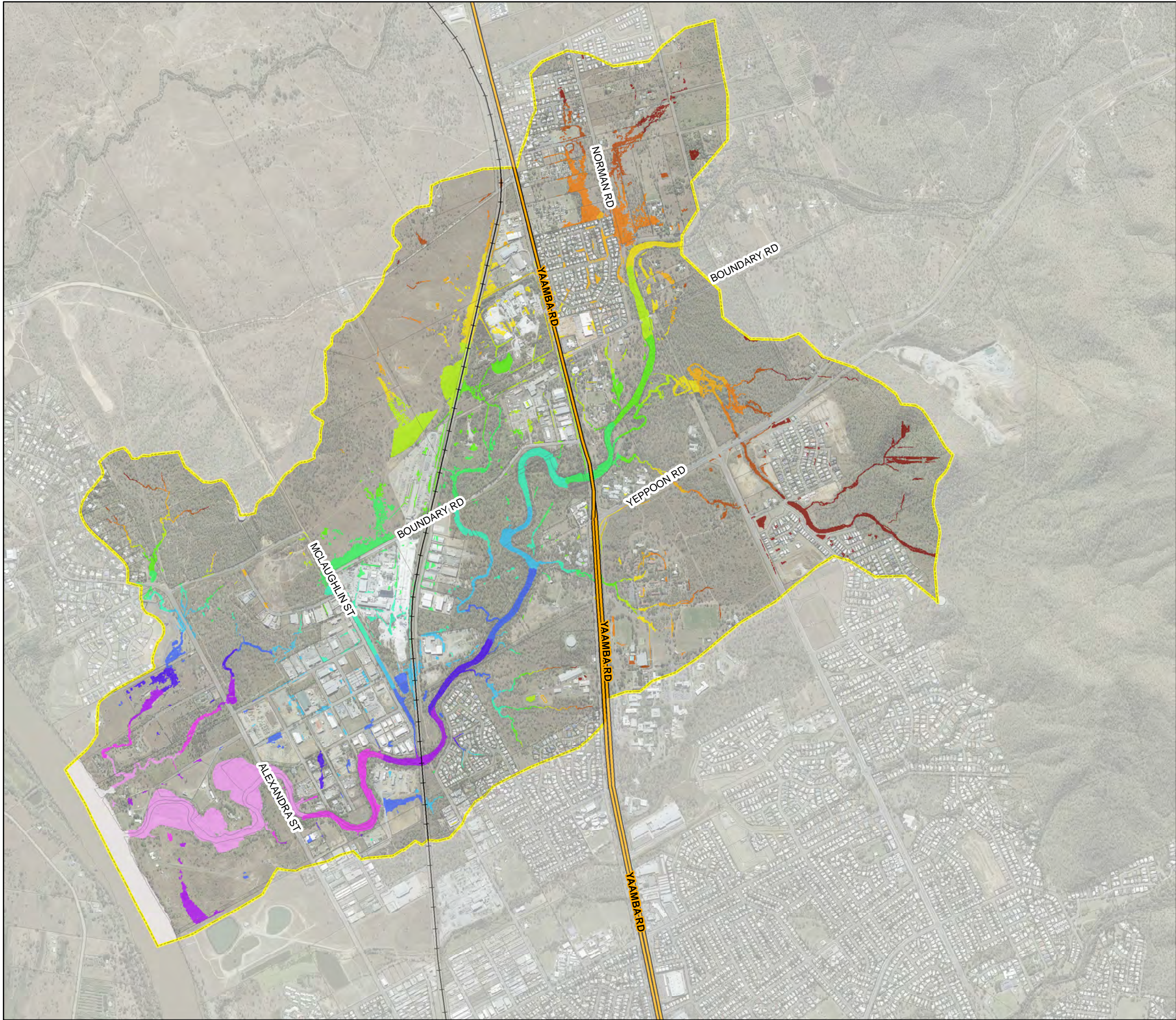
Limestone Creek Model
Baseline Peak Flood Depths

1 EY 180min Storm Event

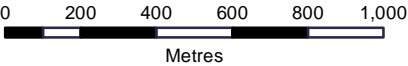
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Map
LC-01

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LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

Baseline Peak Flood Height (mAHD)

- < 4.00
- 4.01 - 6.00
- 6.01 - 8.00
- 8.01 - 10.00
- 10.01 - 12.00
- 12.01 - 14.00
- 14.01 - 16.00
- 16.01 - 18.00
- 18.01 - 20.00
- 20.01 - 22.00
- 22.01 - 24.00
- 24.01 - 26.00
- 26.01 - 28.00
- 28.01 - 30.00
- 30.01 - 35.00
- > 35.00

**Flood results are based
on local catchment events**

Data Sources:

DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:

75mm Min. Depth
100m² Min. Area

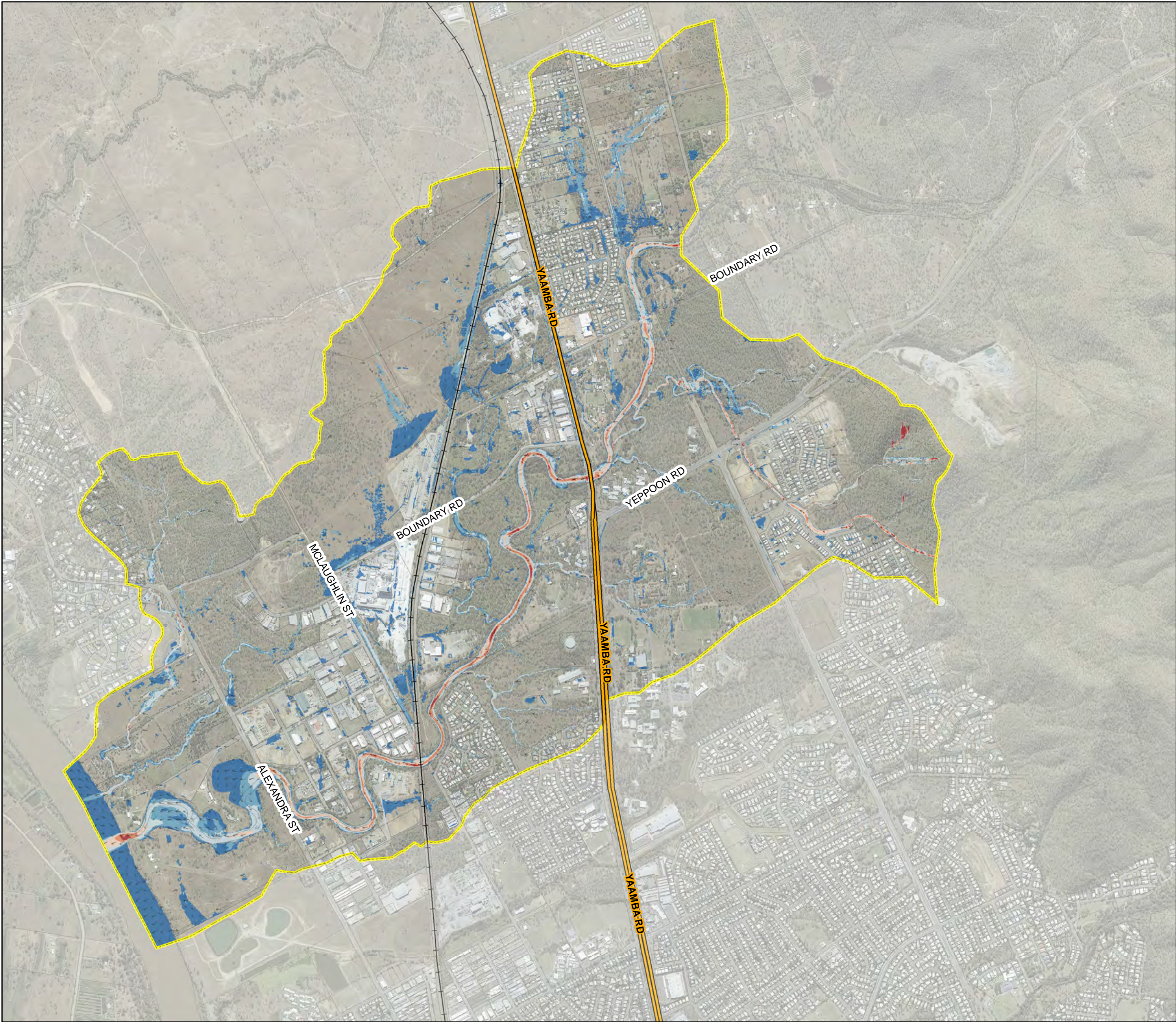
Limestone Creek Model
Baseline Peak Flood Heights

1 EY 180min Storm Event

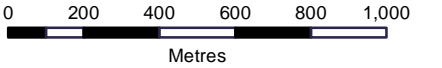
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Map
LC-02

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LEGEND

- Highways
- Railway Lines
- Cadastral
- Hydraulic Model Extent
- Flow Direction

Peak Depth Averaged Velocity (m/s)

- < 0.25
- 0.25 - 0.50
- 0.51 - 1.00
- 1.01 - 1.50
- 1.51 - 2.00
- > 2.00

**Flood results are based
on local catchment events**

Data Sources:

DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:

75mm Min. Depth
100m² Min. Area

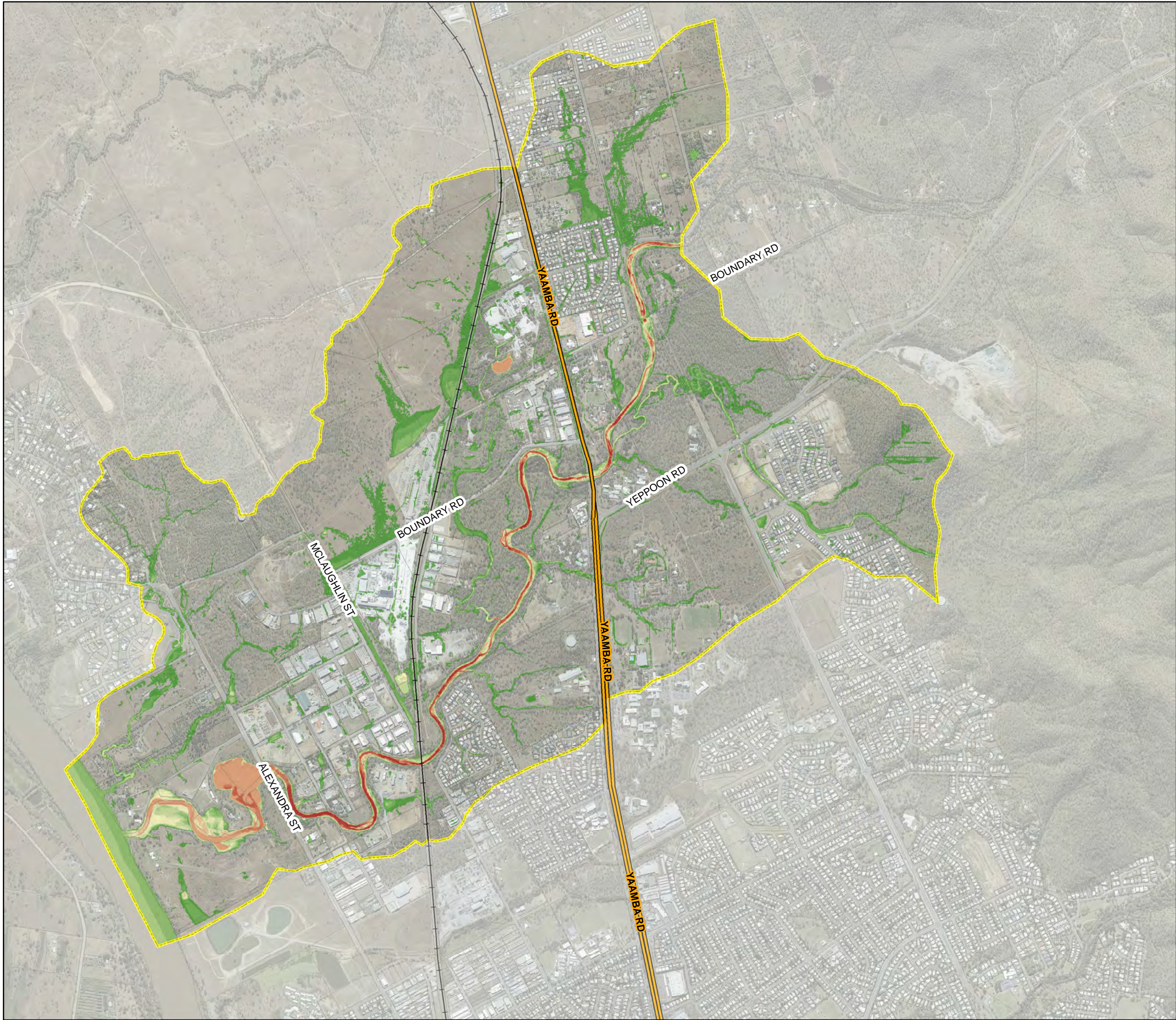
Limestone Creek Model
Baseline Peak Depth Averaged Velocities

1 EY 180min Storm Event

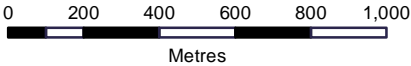
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Map
LC-03

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LEGEND

- Highways
 - Railway Lines
 - Cadastre
 - Hydraulic Model Extent
- Baseline Peak Flood Depth (m)**
- < 0.3
 - 0.3 - 0.6
 - 0.6 - 0.9
 - 0.9 - 1.2
 - 1.2 - 1.5
 - 1.5 - 1.8
 - 1.8 - 2.1
 - 2.1 - 2.4
 - 2.4 - 2.7
 - 2.7 - 3
 - > 3.0

**Flood results are based
on local catchment events**

Data Sources:

DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:

75mm Min. Depth
100m² Min. Area

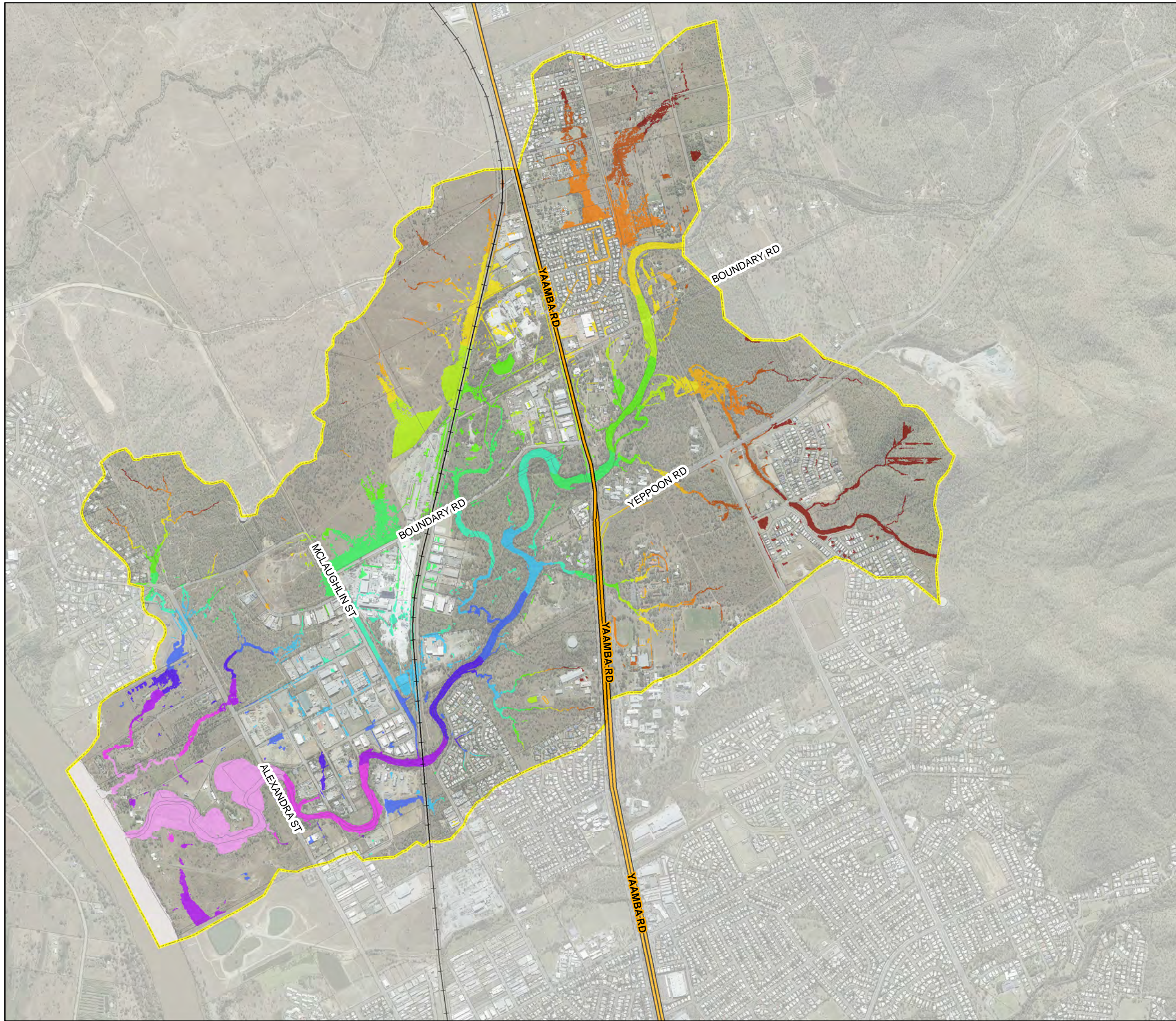
Limestone Creek Model
Baseline Peak Flood Depths

39% AEP 180min Storm Event

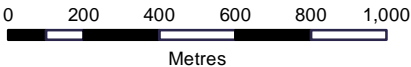
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Map
LC-04

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LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

Baseline Peak Flood Height (mAHD)

- < 4.00
- 4.01 - 6.00
- 6.01 - 8.00
- 8.01 - 10.00
- 10.01 - 12.00
- 12.01 - 14.00
- 14.01 - 16.00
- 16.01 - 18.00
- 18.01 - 20.00
- 20.01 - 22.00
- 22.01 - 24.00
- 24.01 - 26.00
- 26.01 - 28.00
- 28.01 - 30.00
- 30.01 - 35.00
- > 35.00

**Flood results are based
on local catchment events**

Data Sources:

DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:

75mm Min. Depth
100m² Min. Area

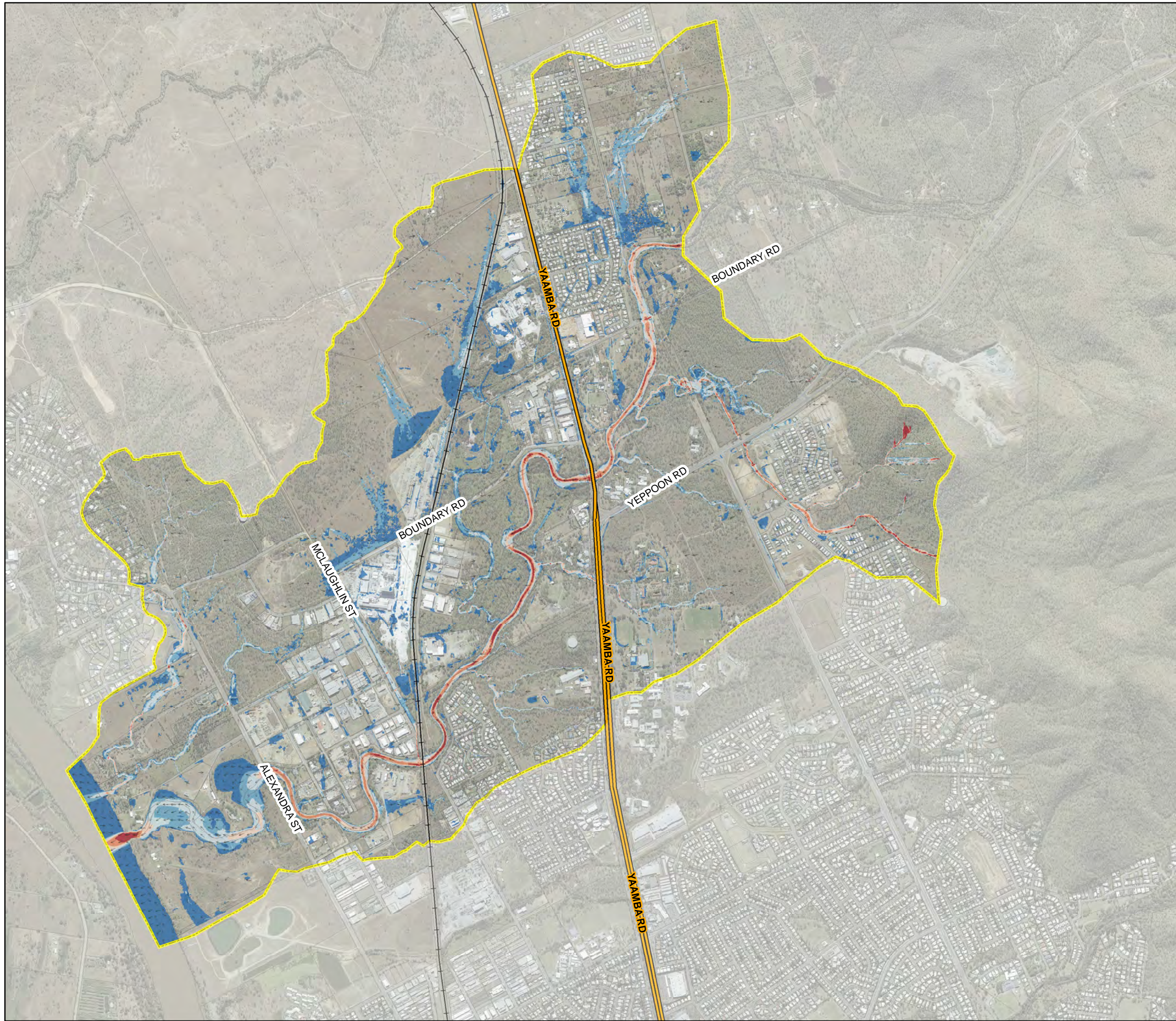
Limestone Creek Model
Baseline Peak Flood Heights

39% AEP 180min Storm Event

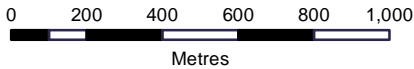
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Map
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LEGEND

- Highways
- Railway Lines
- Cadastral
- Hydraulic Model Extent
- Flow Direction

Peak Depth Averaged Velocity

- < 0.25
- 0.25 - 0.50
- 0.51 - 1.00
- 1.01 - 1.50
- 1.51 - 2.00
- > 2.00

**Flood results are based
on local catchment events**

Data Sources:

DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:

75mm Min. Depth
100m² Min. Area

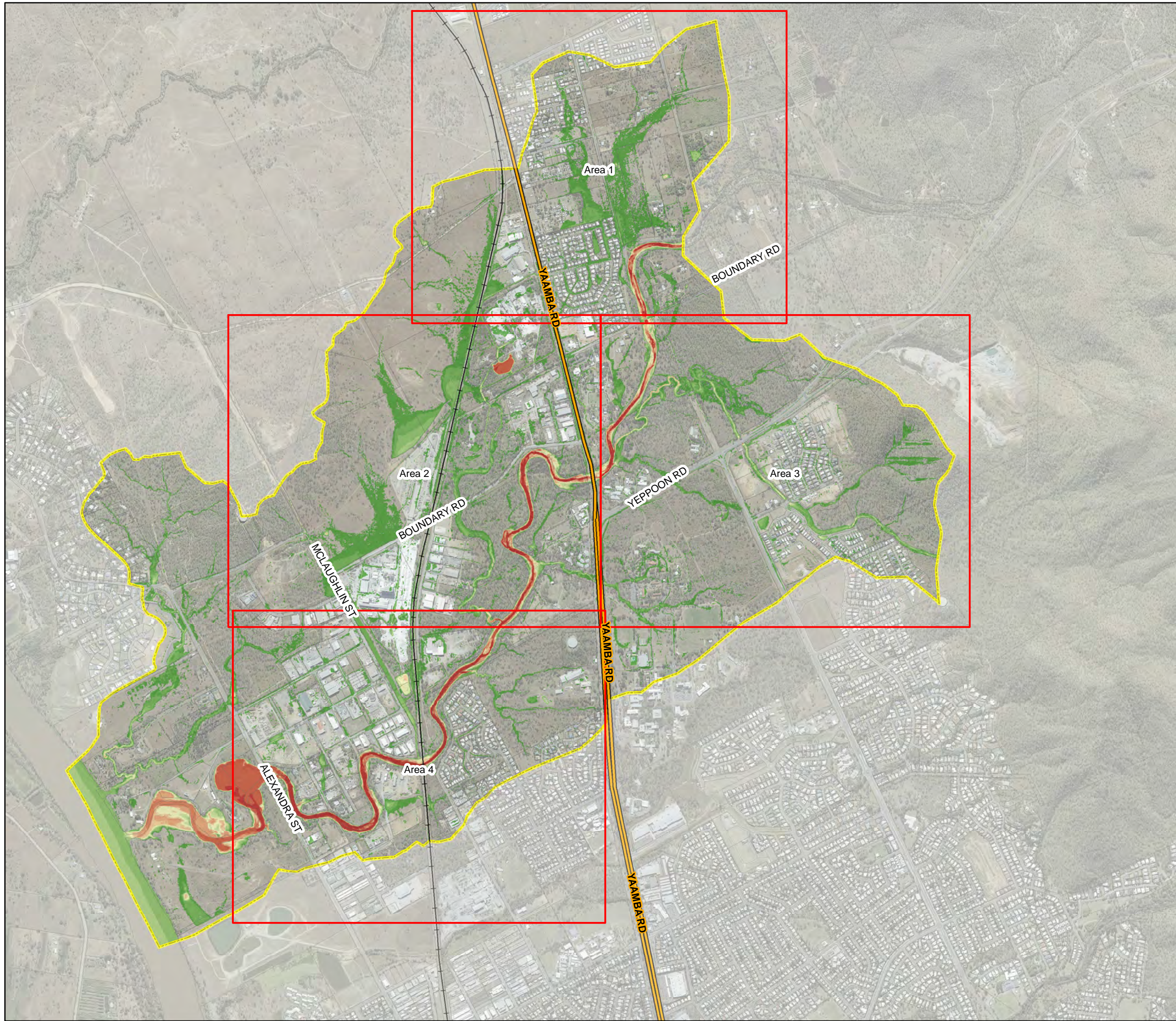
Limestone Creek Model
Baseline Peak Depth Averaged Velocities

39% AEP 180min Storm Event

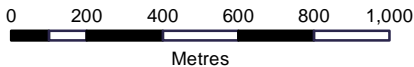
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Map
LC-06

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LEGEND

- Map Extents
- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

Baseline Peak Flood Depth (m)

- < 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- 1.2 - 1.5
- 1.5 - 1.8
- 1.8 - 2.1
- 2.1 - 2.4
- 2.4 - 2.7
- 2.7 - 3
- > 3.0

**Flood results are based
on local catchment events**

Data Sources:

DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:

75mm Min. Depth
100m² Min. Area

Limestone Creek Model
Peak Flood Depths - Catchment Overview

18% AEP 180min Storm Event

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LAST MODIFIED 17/07/2017
VERSION: 1

Map
LC-07

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Metres

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LEGEND

Highways

Railway Lines

Cadastre

Hydraulic Model Extent

Baseline Peak Flood Depth (m)

< 0.3

0.3 - 0.6

0.6 - 0.9

0.9 - 1.2

1.2 - 1.5

1.5 - 1.8

1.8 - 2.1

2.1 - 2.4

2.4 - 2.7

2.7 - 3

> 3.0

**Flood results are based
on local catchment events**

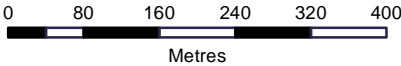
Data Sources:
DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:
75mm Min. Depth
100m² Min. Area

Limestone Creek Model
Peak Flood Depths - Area 1

18% AEP 180min Storm Event

PROJECT ID	60534898	Map LC-08
CREATED BY	maultybj	
LAST MODIFIED	17/07/2017	
VERSION:	1	



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LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

Baseline Peak Flood Depth (m)

- < 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- 1.2 - 1.5
- 1.5 - 1.8
- 1.8 - 2.1
- 2.1 - 2.4
- 2.4 - 2.7
- 2.7 - 3
- > 3.0

**Flood results are based
on local catchment events**

Data Sources:
DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

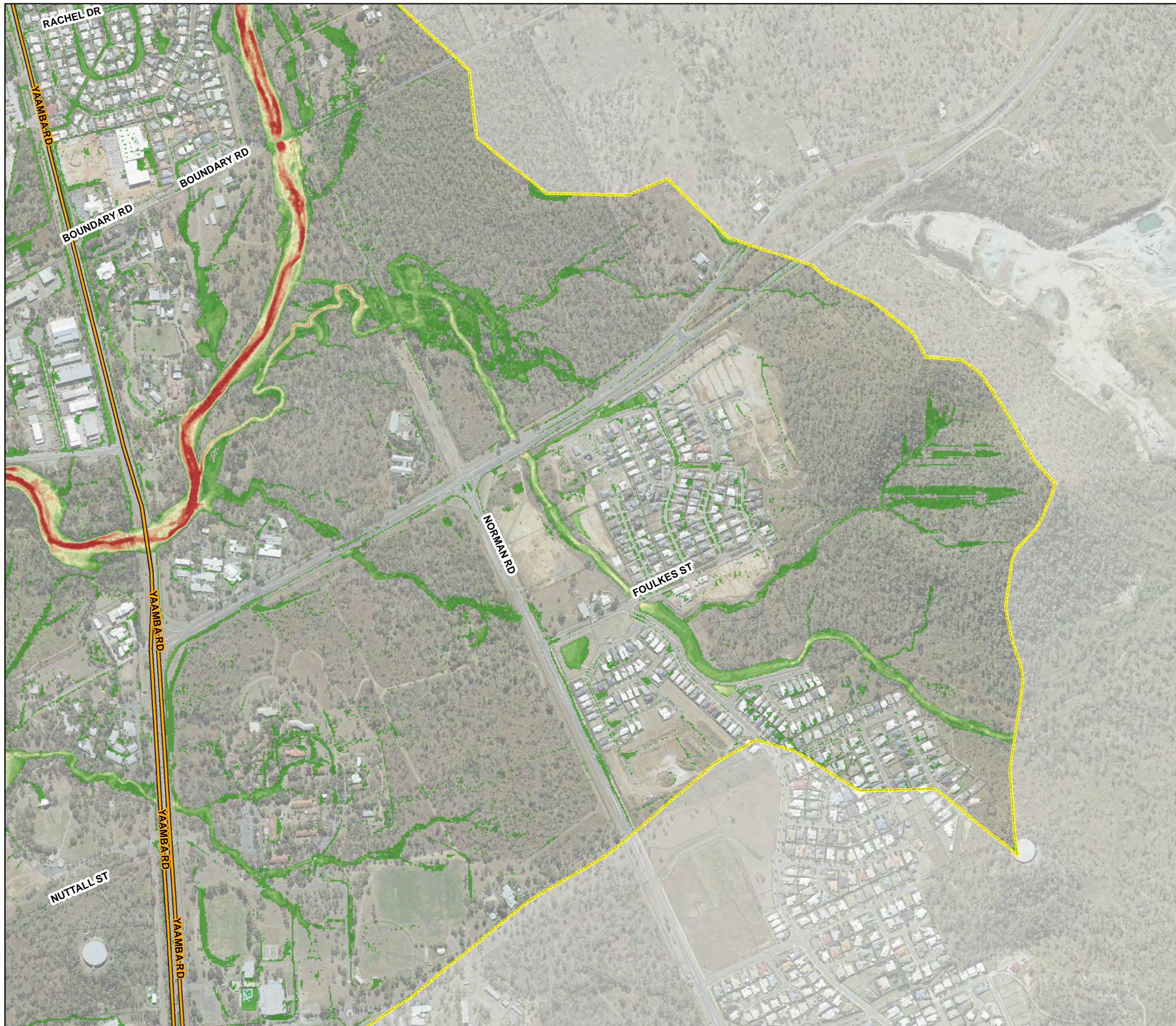
Results Filtering:
75mm Min. Depth
100m² Min. Area

Limestone Creek Model
Peak Flood Depths - Area 2

18% AEP 180min Storm Event

PROJECT ID 60534898
CREATED BY maultbyj
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VERSION: 1

Map
LC-09



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Metres

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LEGEND

Highways

Railway Lines

Cadastre

Hydraulic Model Extent

Baseline Peak Flood Depth (m)

< 0.3

0.3 - 0.6

0.6 - 0.9

0.9 - 1.2

1.2 - 1.5

1.5 - 1.8

1.8 - 2.1

2.1 - 2.4

2.4 - 2.7

2.7 - 3

> 3.0

Flood results are based
on local catchment events

Data Sources:

DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:

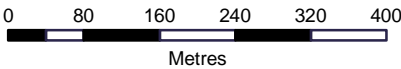
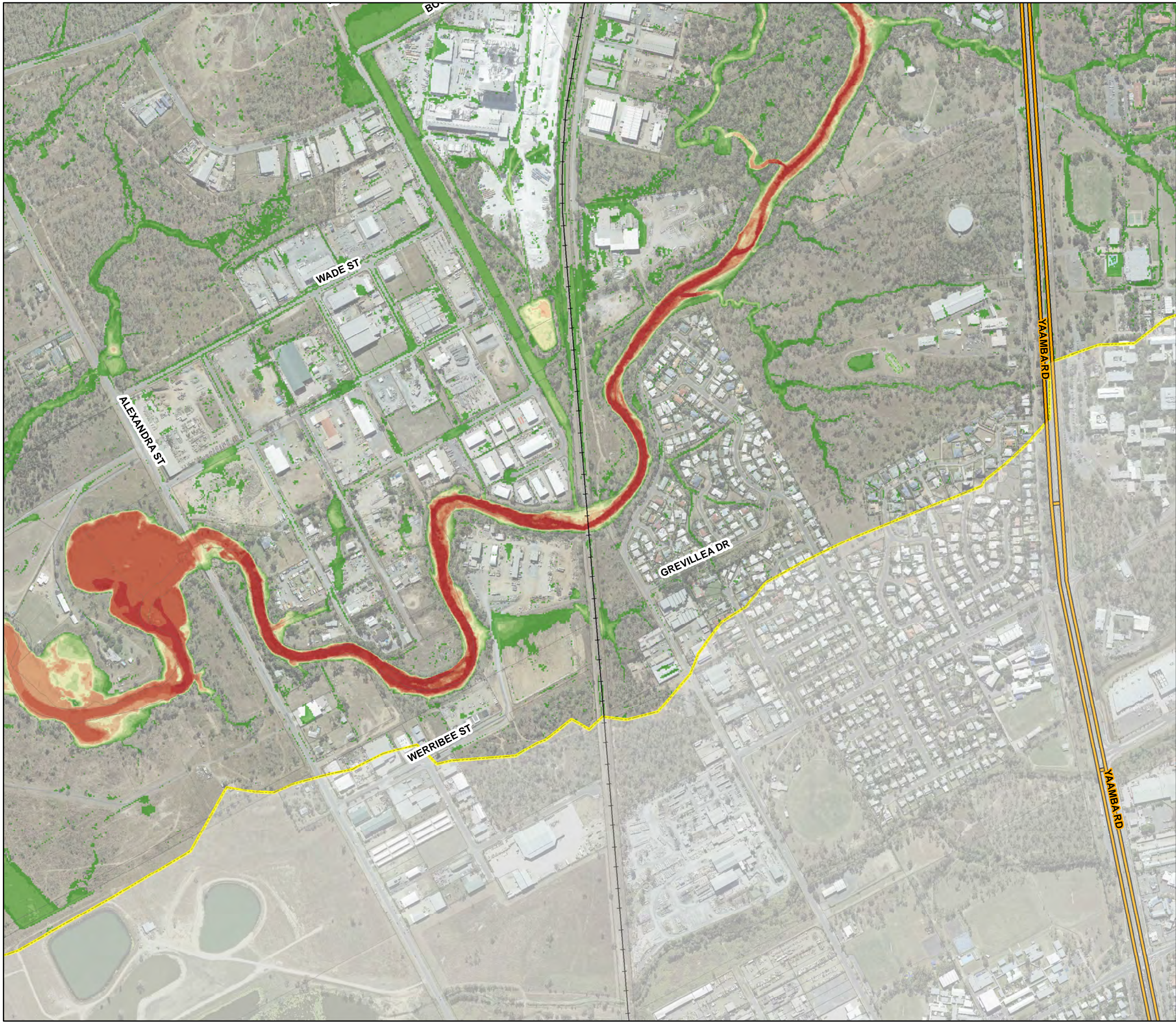
75mm Min. Depth
100m² Min. Area

Limestone Creek Model
Peak Flood Depths - Area 3

18% AEP 180min Storm Event

PROJECT ID60534898
CREATED BYmaulbyj
LAST MODIFIED17/07/2017
VERSION:1

Map
LC-10



1:8,000
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LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

Baseline Peak Flood Depth (m)

- < 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- 1.2 - 1.5
- 1.5 - 1.8
- 1.8 - 2.1
- 2.1 - 2.4
- 2.4 - 2.7
- 2.7 - 3
- > 3.0

**Flood results are based
on local catchment events**

Data Sources:
DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:
75mm Min. Depth
100m² Min. Area

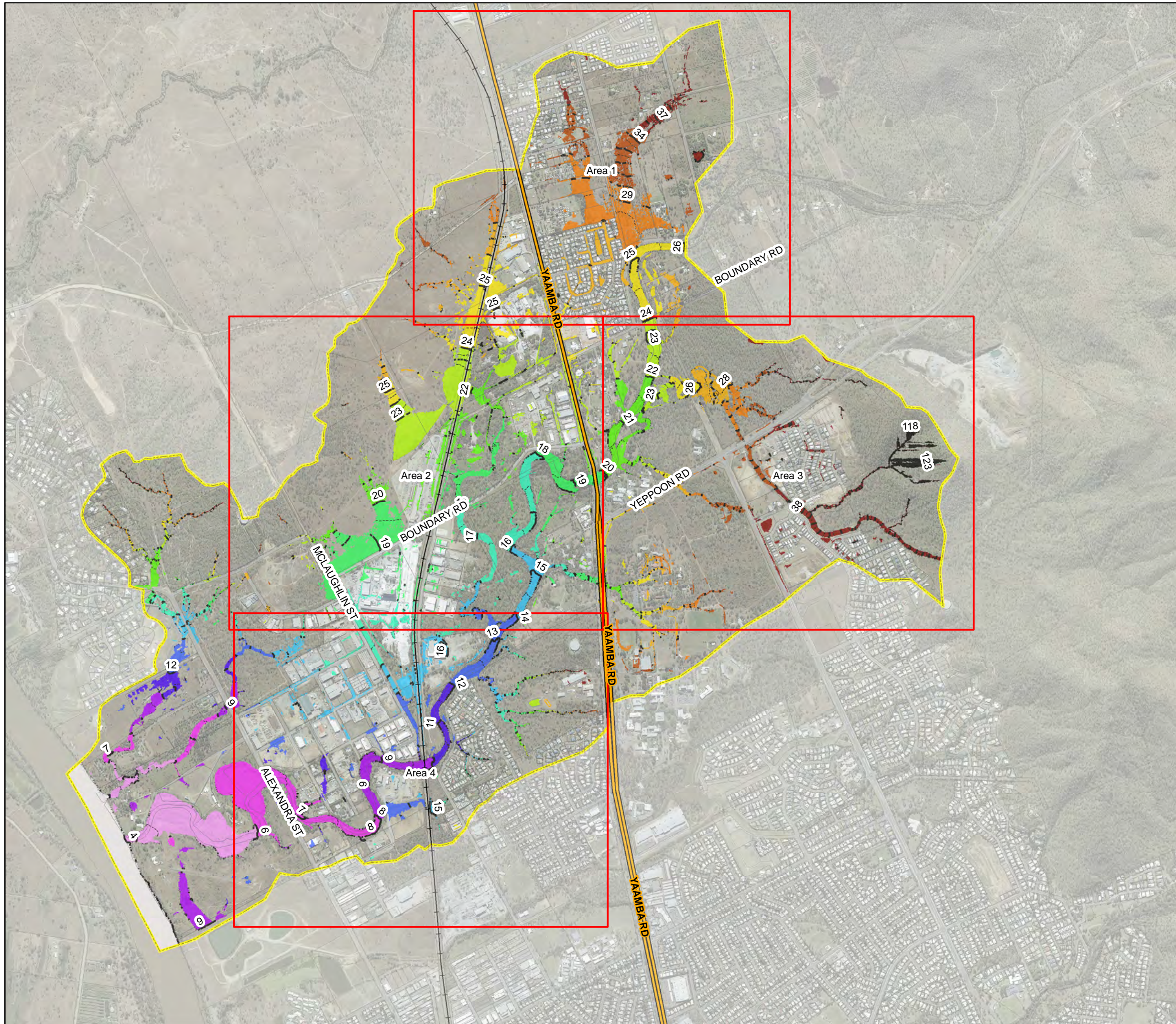
Limestone Creek Model
Peak Flood Depths - Area 4

18% AEP 180min Storm Event

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LAST MODIFIED 17/07/2017
VERSION: 1

Map
LC-11

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N

Rockhampton
Regional Council

DATUM GDA 1994, PROJECTION MGA ZONE 56

02004006008001,000

Metres

1:20,000
(when printed at A3)

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LEGEND

Map Extents

Highways

Railway Lines

Cadastral

Hydraulic Model Extent

0.5 m Contour

1m Contour

Baseline Peak Flood Heights (mAHD)

< 4.00

4.01 - 6.00

6.01 - 8.00

8.01 - 10.00

10.01 - 12.00

12.01 - 14.00

14.01 - 16.00

16.01 - 18.00

18.01 - 20.00

20.01 - 22.00

22.01 - 24.00

24.01 - 26.00

26.01 - 28.00

28.01 - 30.00

30.01 - 35.00

> 35.00

Flood results are based on local catchment events

Data Sources:DCDB (c) 2016 QLD GovernmentImagery (c) 2016 RRC

Results Filtering:75mm Min. Depth100m² Min. Area

Limestone Creek Model
Peak Flood Heights - Catchment Overview

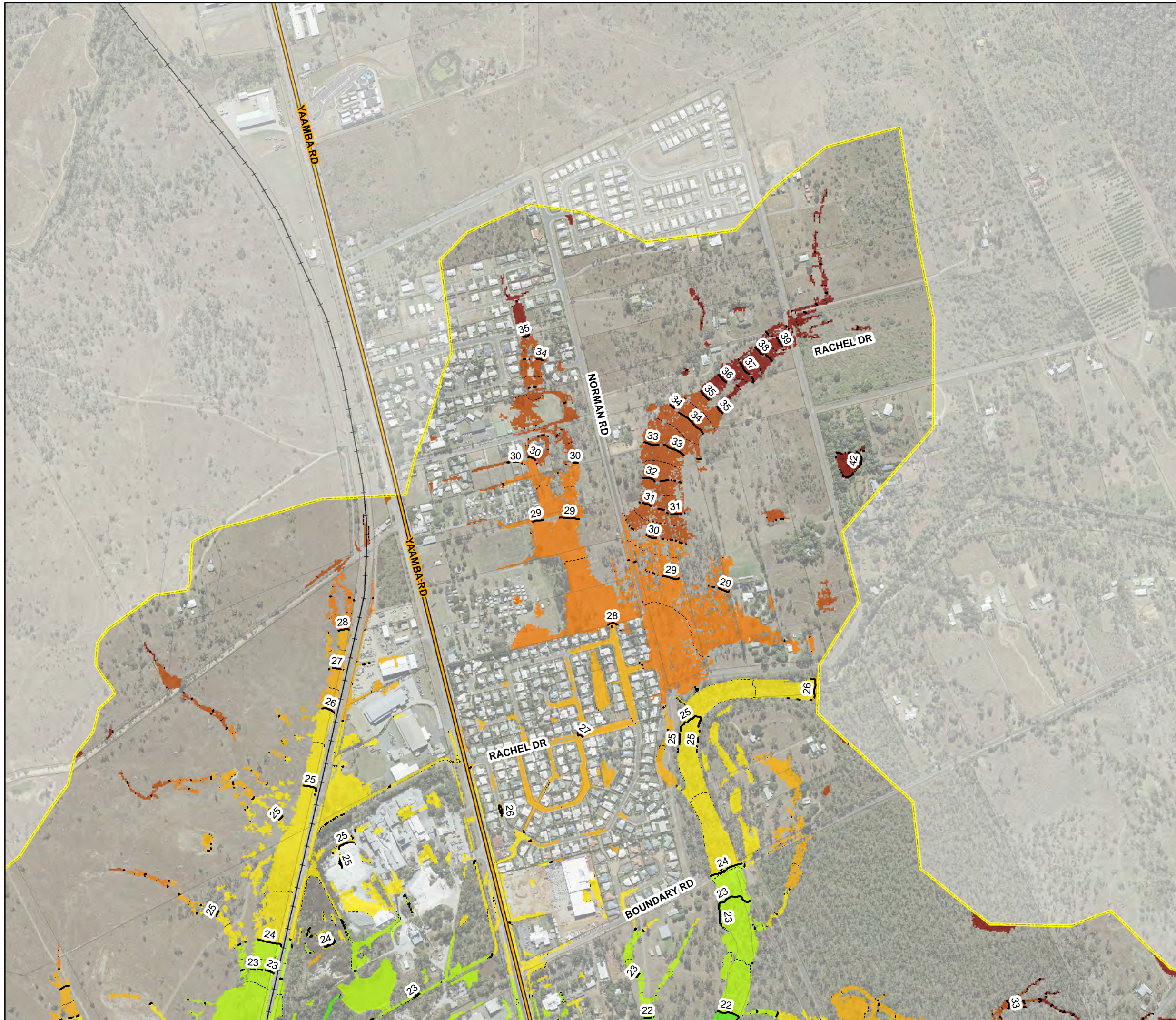
18% AEP 180min Storm Event

PROJECT ID60534898
CREATED BYmaulbyj
LAST MODIFIED17/07/2017
VERSION:1

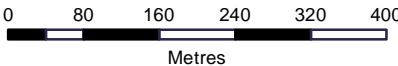
Map
LC-12

Filename: P:\605x\60534898\4. Tech Work Area\4.99 GIS\3. MXDs\Limestone Creek Publishing\Final Mapping - Volume 2 - Insets Removed\LC-12_18p1AEP_Height_Overview.mxd

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DATUM GDA 1994, PROJECTION MGA ZONE 56



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LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent
- 0.5 m Contour
- 1m Contour

Baseline Peak Flood Heights (mAHD)

- < 4.00
- 4.01 - 6.00
- 6.01 - 8.00
- 8.01 - 10.00
- 10.01 - 12.00
- 12.01 - 14.00
- 14.01 - 16.00
- 16.01 - 18.00
- 18.01 - 20.00
- 20.01 - 22.00
- 22.01 - 24.00
- 24.01 - 26.00
- 26.01 - 28.00
- 28.01 - 30.00
- 30.01 - 35.00
- > 35.00

**Flood results are based
on local catchment events**

Data Sources:

DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:

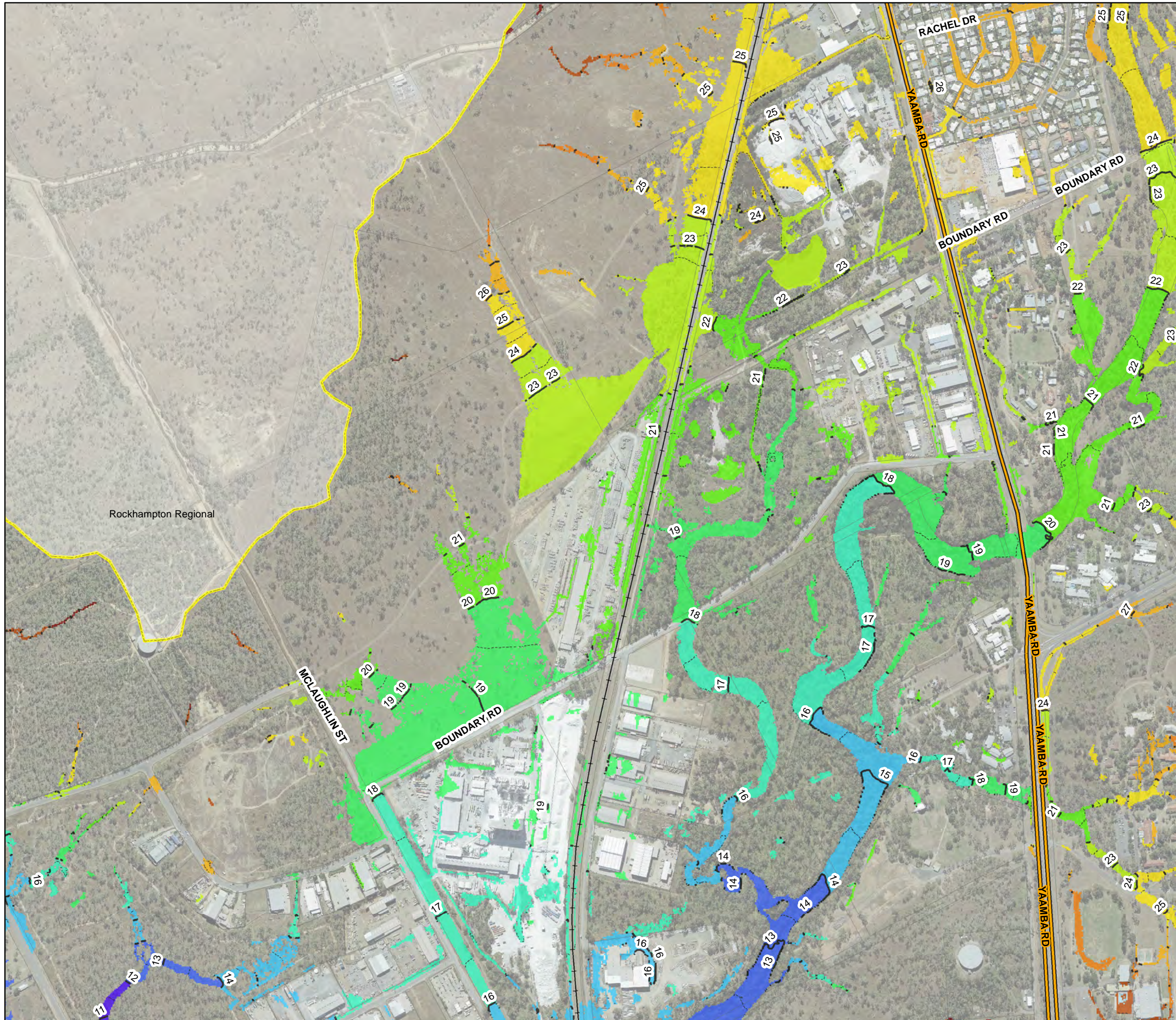
75mm Min. Depth
100m² Min. Area


Limestone Creek Model
Peak Flood Heights - Area 1

18% AEP 180min Storm Event


PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 17/07/2017
VERSION: 1

Map
LC-13





N



DATUM GDA 1994, PROJECTION MGA ZONE 56

0

80

160

240

320

400


Metres


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LEGEND


 Highways

 Railway Lines


 Cadastre


 Hydraulic Model Extent


 0.5 m Contour


 1m Contour


Baseline Peak Flood Heights (mAHD)


 < 4.00


 4.01 - 6.00


 6.01 - 8.00


 8.01 - 10.00


 10.01 - 12.00


 12.01 - 14.00


 14.01 - 16.00


 16.01 - 18.00


 18.01 - 20.00


 20.01 - 22.00


 22.01 - 24.00

 24.01 - 26.00

 26.01 - 28.00

 28.01 - 30.00

 30.01 - 35.00

 > 35.00

Flood results are based on local catchment events

Data Sources:
DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC



Results Filtering:
75mm Min. Depth
100m² Min. Area

Limestone Creek Model
Peak Flood Heights - Area 2

18% AEP 180min Storm Event

PROJECT ID	60534898	Map LC-14
CREATED BY	maulbyj	
LAST MODIFIED	17/07/2017	
VERSION:	1	






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0 80 160 240 320 400

Metres

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LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent
- 0.5 m Contour
- 1m Contour

Baseline Peak Flood Heights (mAHD)

< 4.00
4.01 - 6.00
6.01 - 8.00
8.01 - 10.00
10.01 - 12.00
12.01 - 14.00
14.01 - 16.00
16.01 - 18.00
18.01 - 20.00
20.01 - 22.00
22.01 - 24.00
24.01 - 26.00
26.01 - 28.00
28.01 - 30.00
30.01 - 35.00
> 35.00

Flood results are based on local catchment events

Data Sources: DCDB (c) 2016 QLD Government Imagery (c) 2016 RRC

Results Filtering: 75mm Min. Depth 100m² Min. Area

Limestone Creek Model
Peak Flood Depths - Area 3

18% AEP 180min Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	17/07/2017
VERSION:	1

Map
LC-15



- LEGEND**
- Highways
 - Railway Lines
 - Cadastre
 - Hydraulic Model Extent
 - 0.5 m Contour
 - 1m Contour

- Baseline Peak Flood Heights (mAHD)**
- < 4.00
 - 4.01 - 6.00
 - 6.01 - 8.00
 - 8.01 - 10.00
 - 10.01 - 12.00
 - 12.01 - 14.00
 - 14.01 - 16.00
 - 16.01 - 18.00
 - 18.01 - 20.00
 - 20.01 - 22.00
 - 22.01 - 24.00
 - 24.01 - 26.00
 - 26.01 - 28.00
 - 28.01 - 30.00
 - 30.01 - 35.00
 - > 35.00

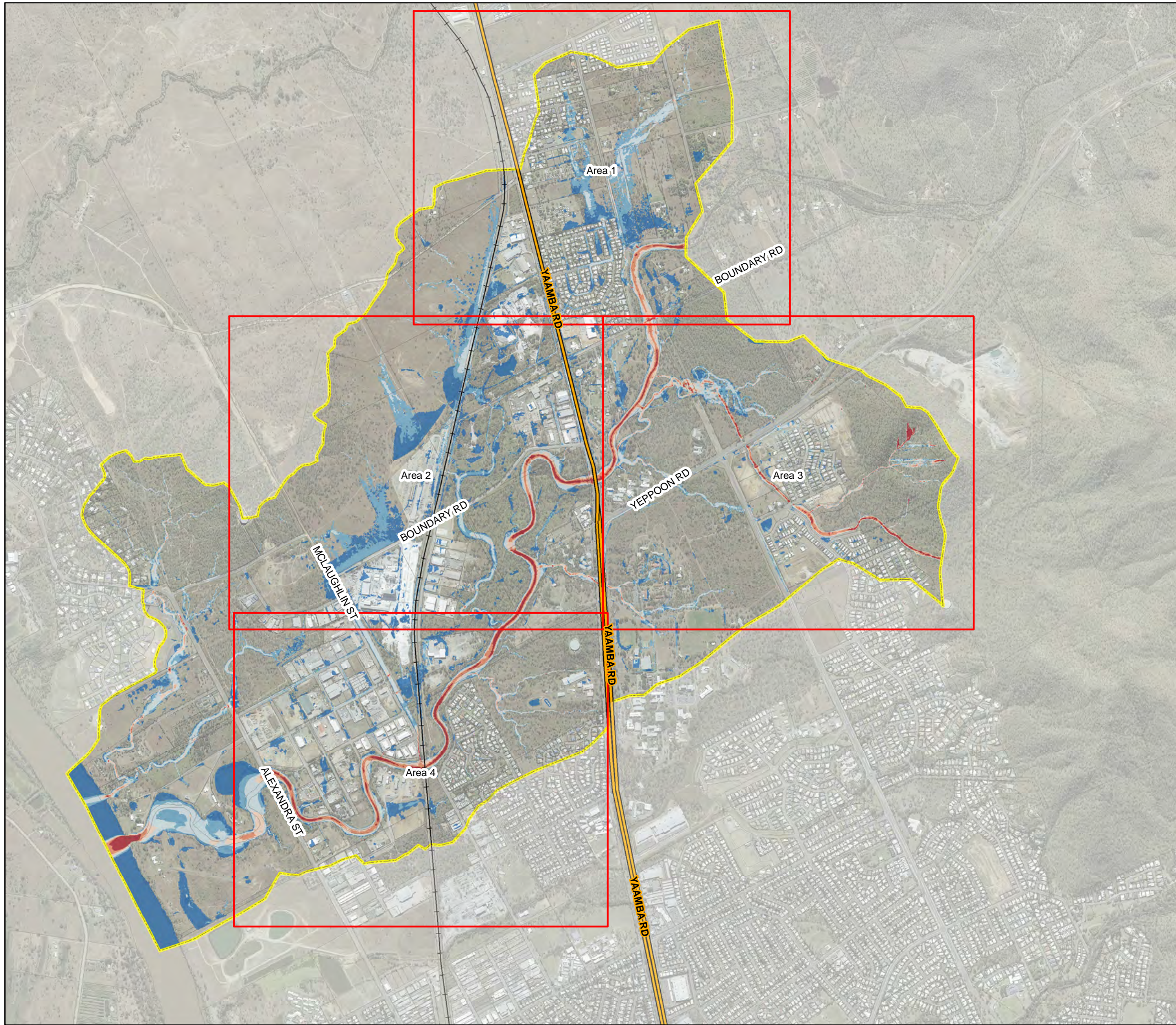
**Flood results are based
on local catchment events**



Data Sources: DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:
75mm Min. Depth
100m² Min. Area

Limestone Creek Model
Peak Flood Depths - Area 4
18% AEP 180min Storm Event

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0 200 400 600 800 1,000

Metres

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LEGEND

- Map Extents
- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

Peak Depth Averaged Velocity (m/s)

- < 0.25
- 0.25 - 0.50
- 0.51 - 1.00
- 1.01 - 1.50
- 1.51 - 2.00
- > 2.00

Flood results are based on local catchment events

Data Sources: DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering: 75mm Min. Depth
100m² Min. Area

Limestone Creek Model
Peak Flood Depths - Catchment Overview

18% AEP 180min Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	17/07/2017
VERSION:	1

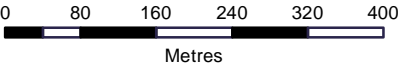
Map

LC-17

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LEGEND

- ↑ Flow Direction
- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent
- Peak Depth Averaged Velocity (m/s)**
 - < 0.25
 - 0.25 - 0.50
 - 0.51 - 1.00
 - 1.01 - 1.50
 - 1.51 - 2.00
 - > 2.00

**Flood results are based
on local catchment events**

Data Sources:
DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

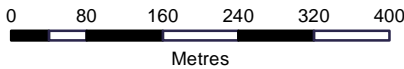
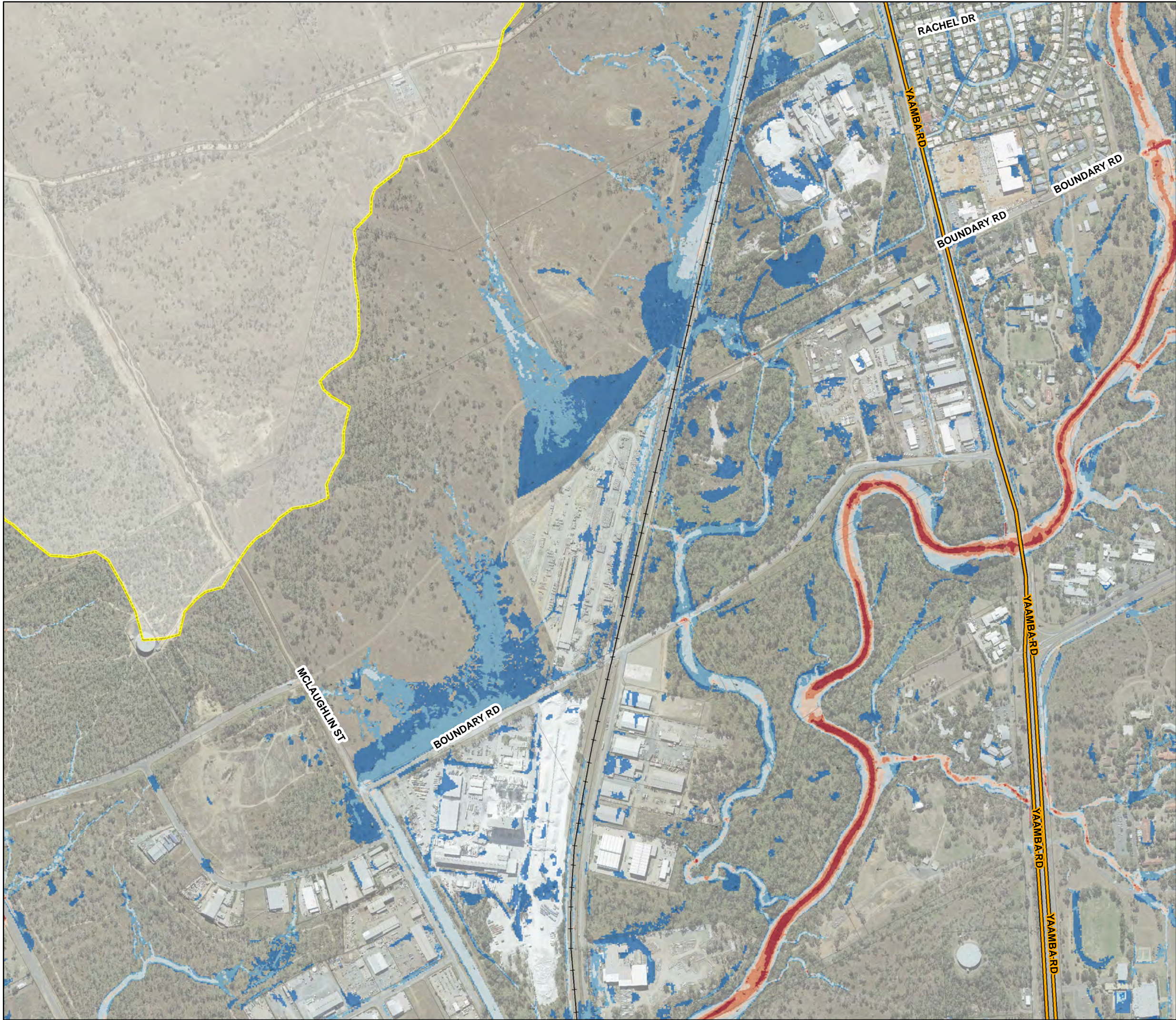
Results Filtering:
75mm Min. Depth
100m² Min. Area

Limestone Creek Model
Peak Depth Averaged Velocity - Area 1

18% AEP 180min Storm Event

PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 17/07/2017
VERSION: 1

Map
LC-18



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LEGEND

- Flow Direction
 - Highways
 - Railway Lines
 - Cadastral
 - Hydraulic Model Extent
- Peak Depth Averaged Velocity (m/s)**
- < 0.25
 - 0.25 - 0.50
 - 0.51 - 1.00
 - 1.01 - 1.50
 - 1.51 - 2.00
 - > 2.00

**Flood results are based
on local catchment events**

Data Sources: DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

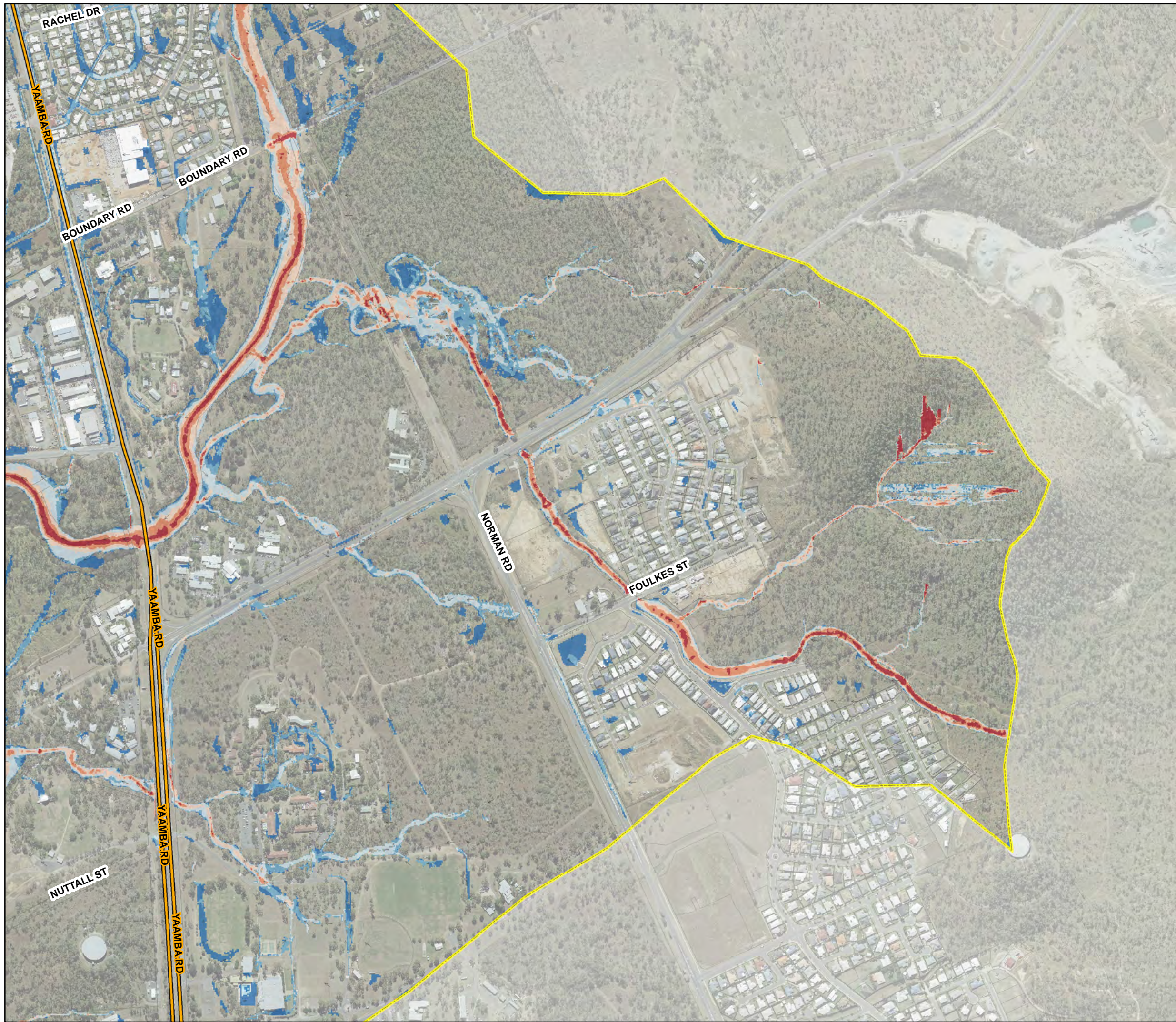
Results Filtering: 75mm Min. Depth
100m² Min. Area

Limestone Creek Model
Peak Depth Averaged Velocity - Area 2

18% AEP 180min Storm Event

PROJECT ID 60534898
CREATED BY maultbyj
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VERSION: 1

Map
LC-19



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080160240320400

Metres

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LEGEND

↑

Flow Direction

Highways

+

Railway Lines

Cadastral

Hydraulic Model Extent

Peak Depth Averaged Velocity (m/s)

< 0.25

0.25 - 0.50

0.51 - 1.00

1.01 - 1.50

1.51 - 2.00

> 2.00

Flood results are based
on local catchment events

Data Sources:DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:75mm Min. Depth
100m² Min. Area

Limestone Creek Model
Peak Flood Depths - Area 3

18% AEP 180min Storm Event

PROJECT ID	60534898	Map LC-20
CREATED BY	maulbyj	
LAST MODIFIED	17/07/2017	
VERSION:	1	



LEGEND

- ↑ Flow Direction
- Highways
- Railway Lines
- Cadastral
- Hydraulic Model Extent

Peak Depth Averaged Velocity (m/s)

- < 0.25
- 0.25 - 0.50
- 0.51 - 1.00
- 1.01 - 1.50
- 1.51 - 2.00
- > 2.00

**Flood results are based
on local catchment events**

Data Sources:
DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:
75mm Min. Depth
100m² Min. Area

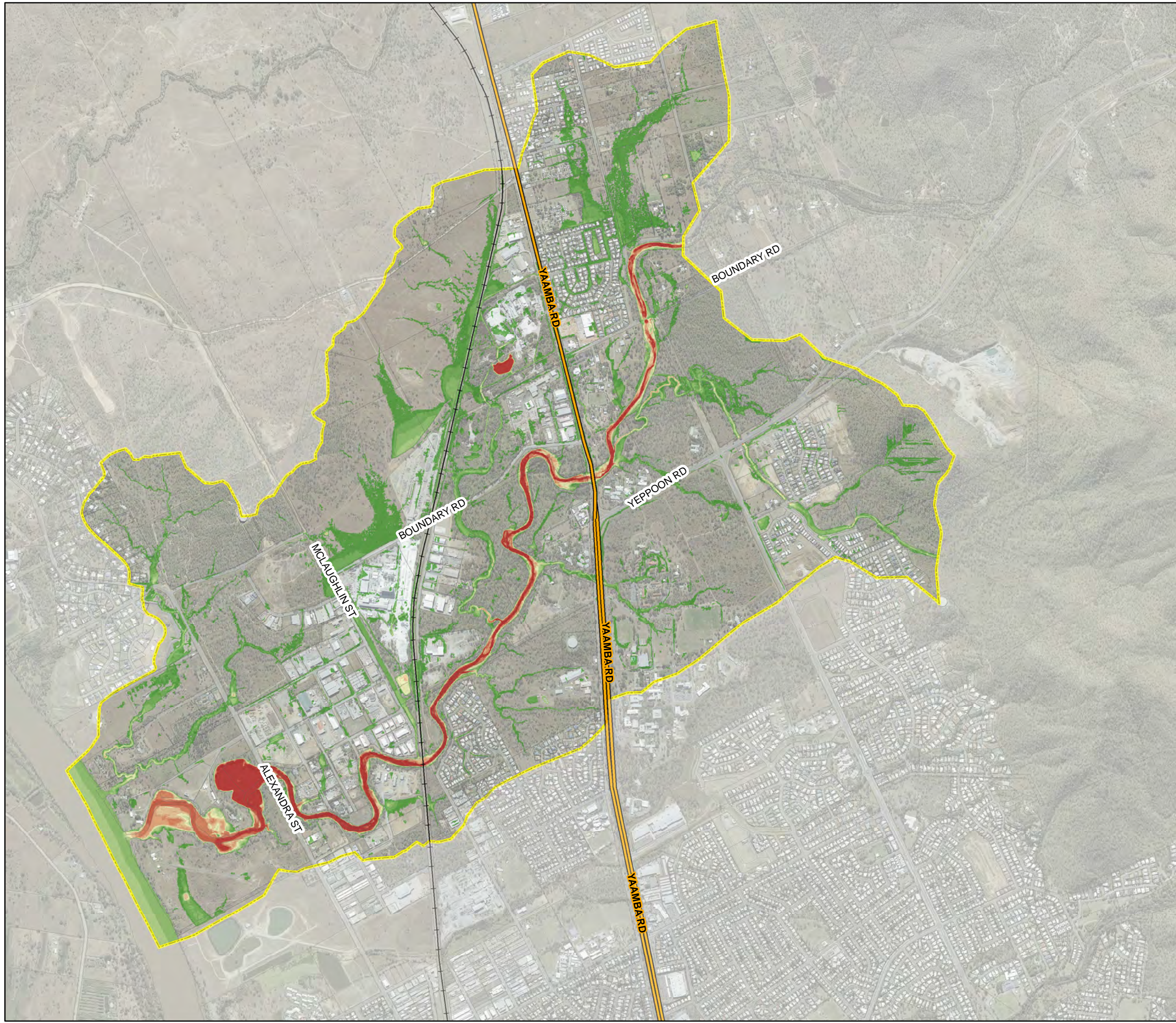
Limestone Creek Model
Peak Flood Depths - Area 4



18% AEP 180min Storm Event

PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 17/07/2017
VERSION: 1

Map
LC-21

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0 200 400 600 800 1,000

Metres

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LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

Baseline Peak Flood Depth (m)

- < 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- 1.2 - 1.5
- 1.5 - 1.8
- 1.8 - 2.1
- 2.1 - 2.4
- 2.4 - 2.7
- 2.7 - 3
- > 3.0

Flood results are based on local catchment events

Data Sources: DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering: 75mm Min. Depth
100m² Min. Area

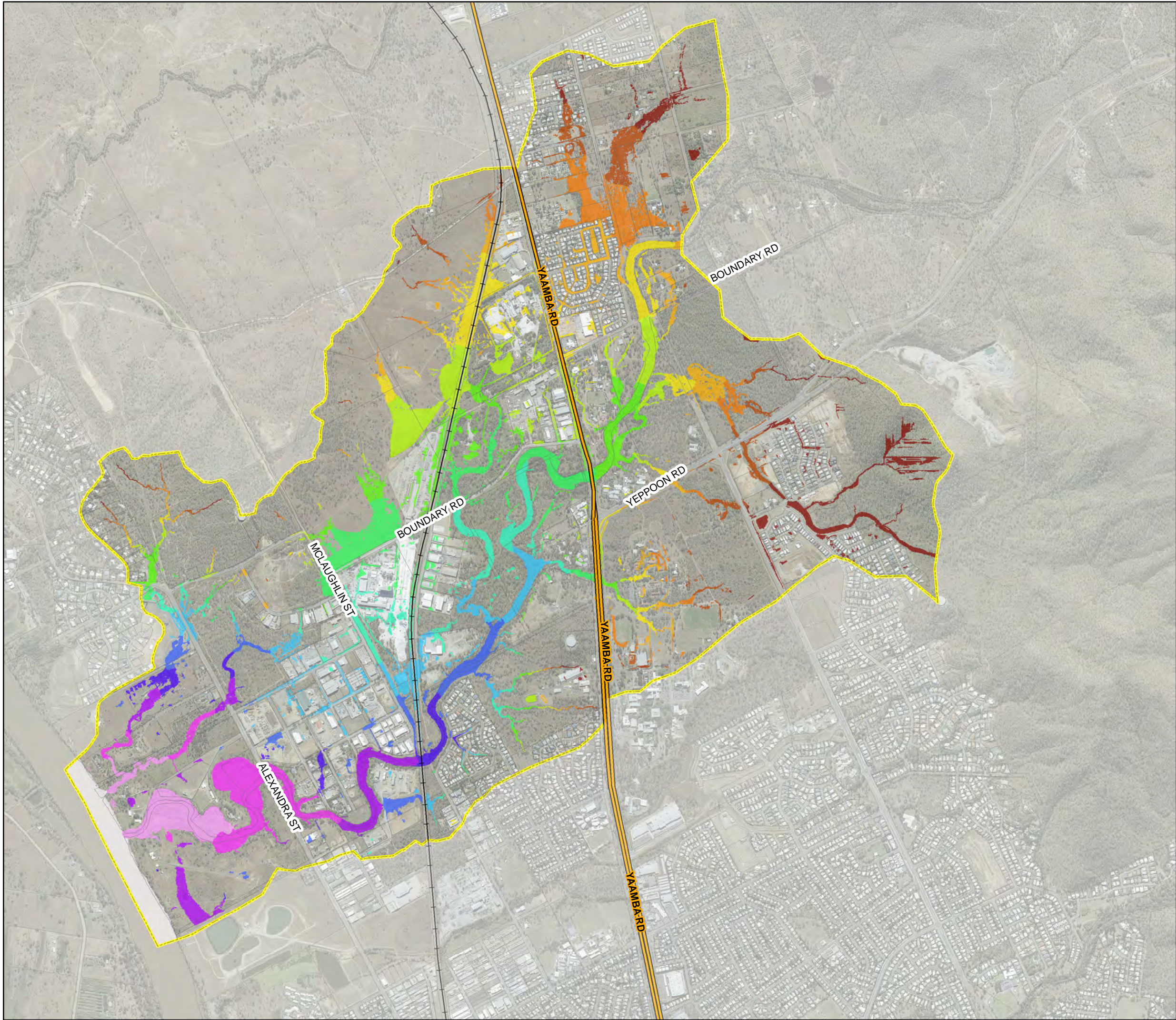
Limestone Creek Model
Baseline Peak Flood Depths

10% AEP 180min Storm Event

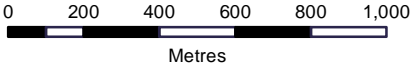
PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	17/07/2017
VERSION:	1

Map
LC-22

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LEGEND

- Highways
- Railway Lines
- Cadastral
- Hydraulic Model Extent

Baseline Peak Flood Height (mAH)

- < 4.00
- 4.01 - 6.00
- 6.01 - 8.00
- 8.01 - 10.00
- 10.01 - 12.00
- 12.01 - 14.00
- 14.01 - 16.00
- 16.01 - 18.00
- 18.01 - 20.00
- 20.01 - 22.00
- 22.01 - 24.00
- 24.01 - 26.00
- 26.01 - 28.00
- 28.01 - 30.00
- 30.01 - 35.00
- > 35.00

**Flood results are based
on local catchment events**

Data Sources:

DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:

75mm Min. Depth
100m² Min. Area

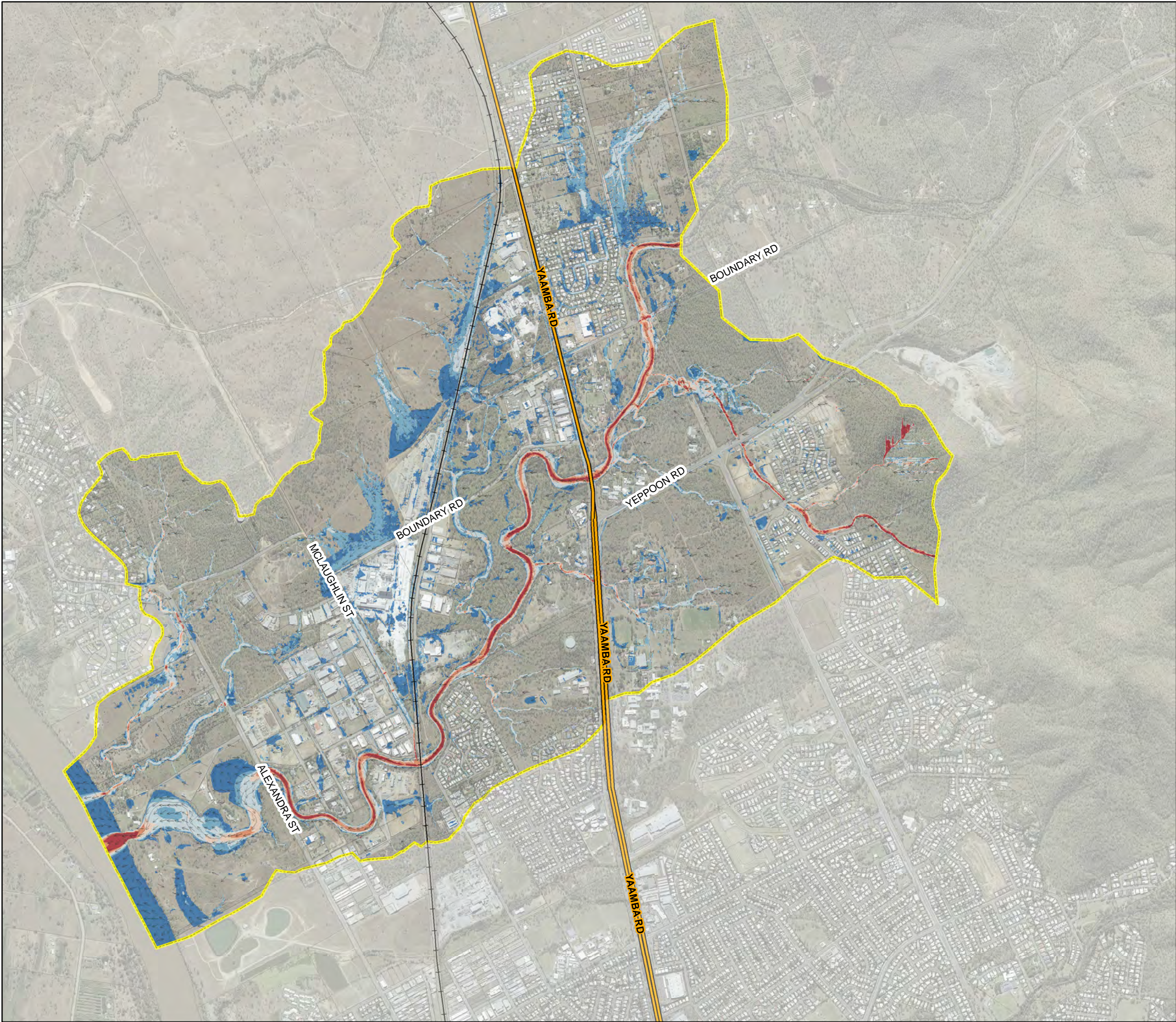
Limestone Creek Model
Baseline Peak Flood Heights

10% AEP 180min Storm Event

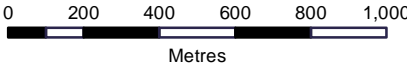
PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 17/07/2017
VERSION: 1

Map
LC-23

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LEGEND

- ↑ Flow Direction
 - Highways
 - Railway Lines
 - Cadastral
 - Hydraulic Model Extent
- Peak Depth Averaged Velocity (m/s)**
- < 0.25
 - 0.25 - 0.50
 - 0.51 - 1.00
 - 1.01 - 1.50
 - 1.51 - 2.00
 - > 2.00

**Flood results are based
on local catchment events**

Data Sources:
DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:
75mm Min. Depth
100m² Min. Area

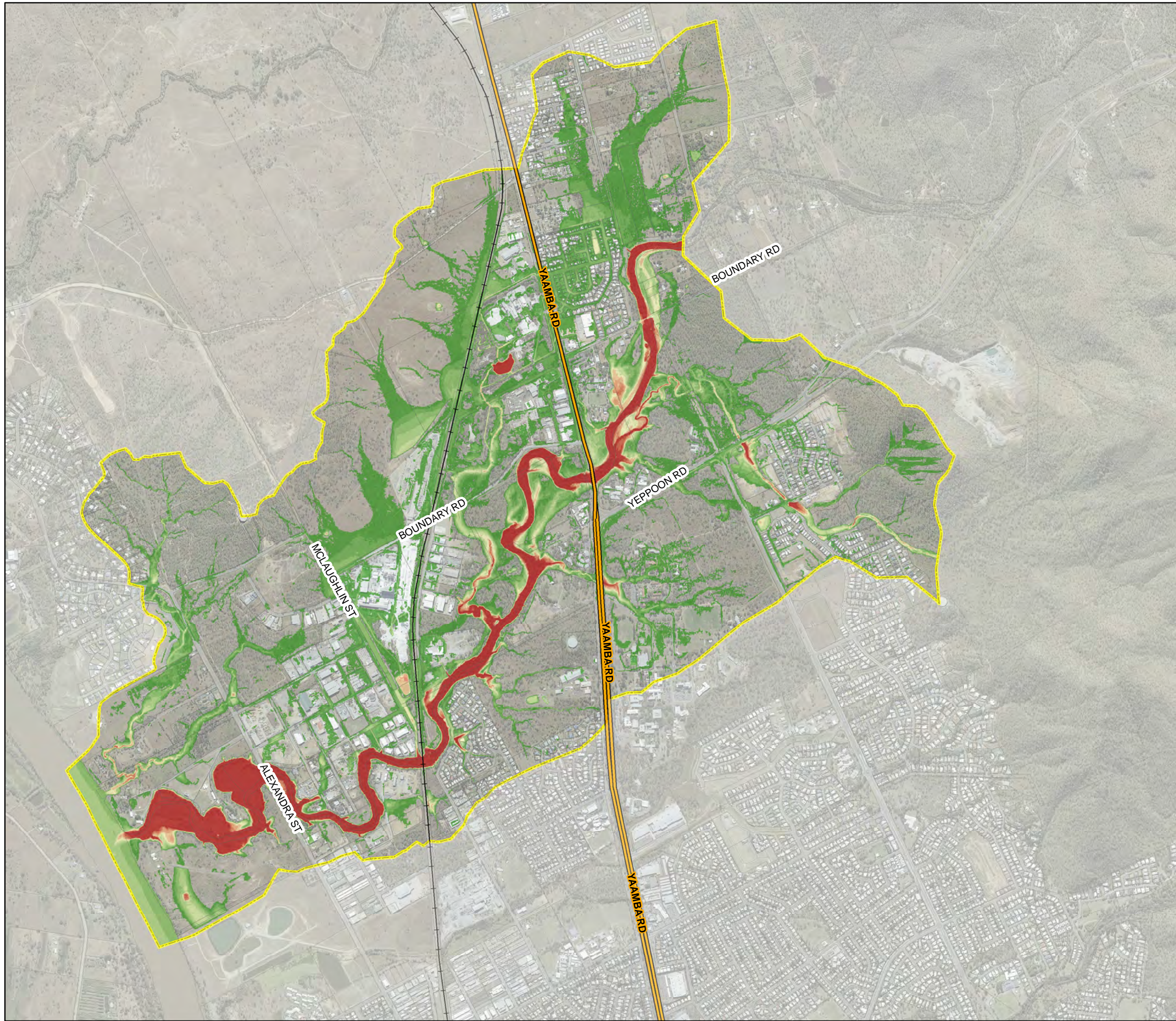
Limestone Creek Model
Baseline Peak Depth Averaged Velocities

10% AEP 180min Storm Event

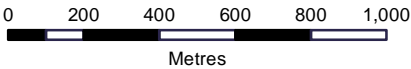
PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 17/07/2017
VERSION: 1

Map
LC-24

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LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

Baseline Peak Flood Depth (m)

- < 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- 1.2 - 1.5
- 1.5 - 1.8
- 1.8 - 2.1
- 2.1 - 2.4
- 2.4 - 2.7
- 2.7 - 3
- > 3.0

**Flood results are based
on local catchment events**

Data Sources:

DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:

75mm Min. Depth
100m² Min. Area

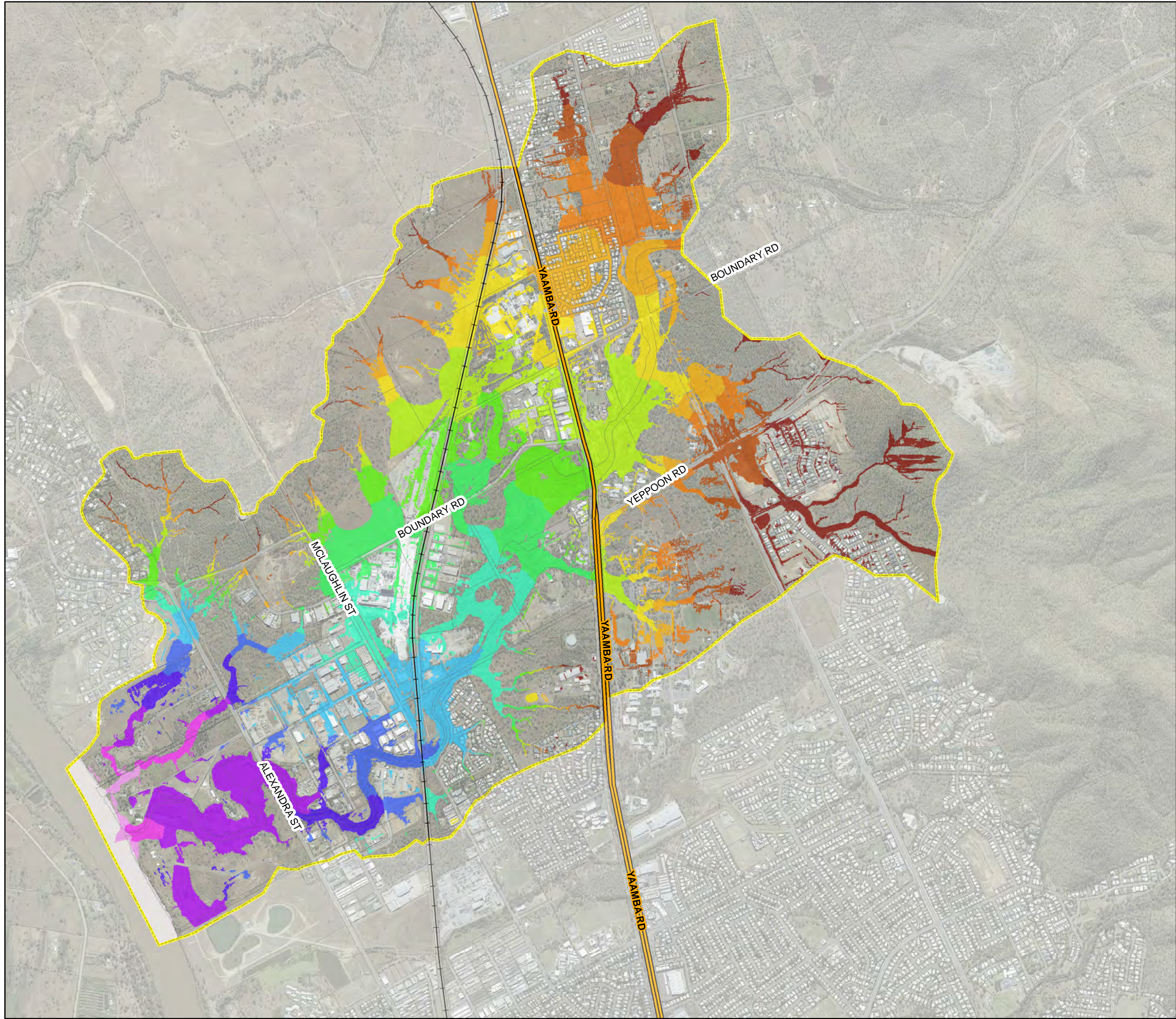
Limestone Creek Model
Baseline Peak Flood Depths

5% AEP 180min Storm Event

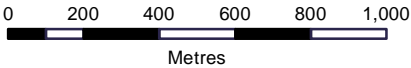
PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 17/07/2017
VERSION: 1

Map
LC-25

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LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

Peak Flood Height (mAHD)

- < 4.00
- 4.01 - 6.00
- 6.01 - 8.00
- 8.01 - 10.00
- 10.01 - 12.00
- 12.01 - 14.00
- 14.01 - 16.00
- 16.01 - 18.00
- 18.01 - 20.00
- 20.01 - 22.00
- 22.01 - 24.00
- 24.01 - 26.00
- 26.01 - 28.00
- 28.01 - 30.00
- 30.01 - 35.00
- > 35.00

**Flood results are based
on local catchment events**

Data Sources:

DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:

75mm Min. Depth
100m² Min. Area

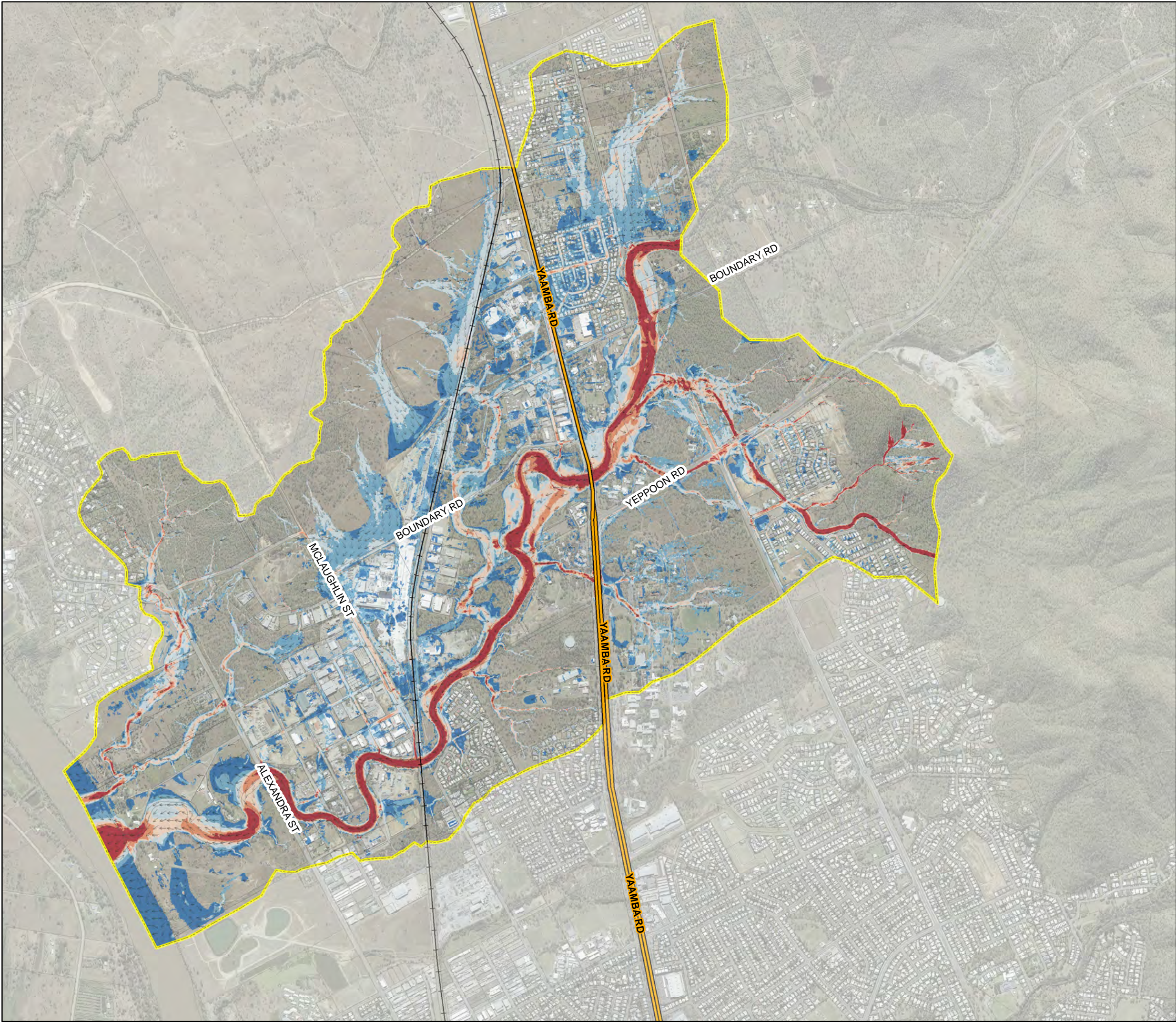
Limestone Creek Model
Baseline Peak Flood Heights

5% AEP 180min Storm Event

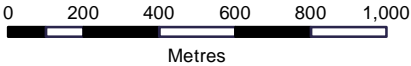
PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 17/07/2017
VERSION: 1

Map
LC-26

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1:20,000
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LEGEND

↑ Flow Direction

Highways

Railway Lines

Cadastral

Hydraulic Model Extent

Peak Depth Averaged Velocity (m/s)

< 0.25

0.25 - 0.50

0.51 - 1.00

1.01 - 1.50

1.51 - 2.00

> 2.00

Flood results are based
on local catchment events

Data Sources:

DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:

75mm Min. Depth
100m² Min. Area

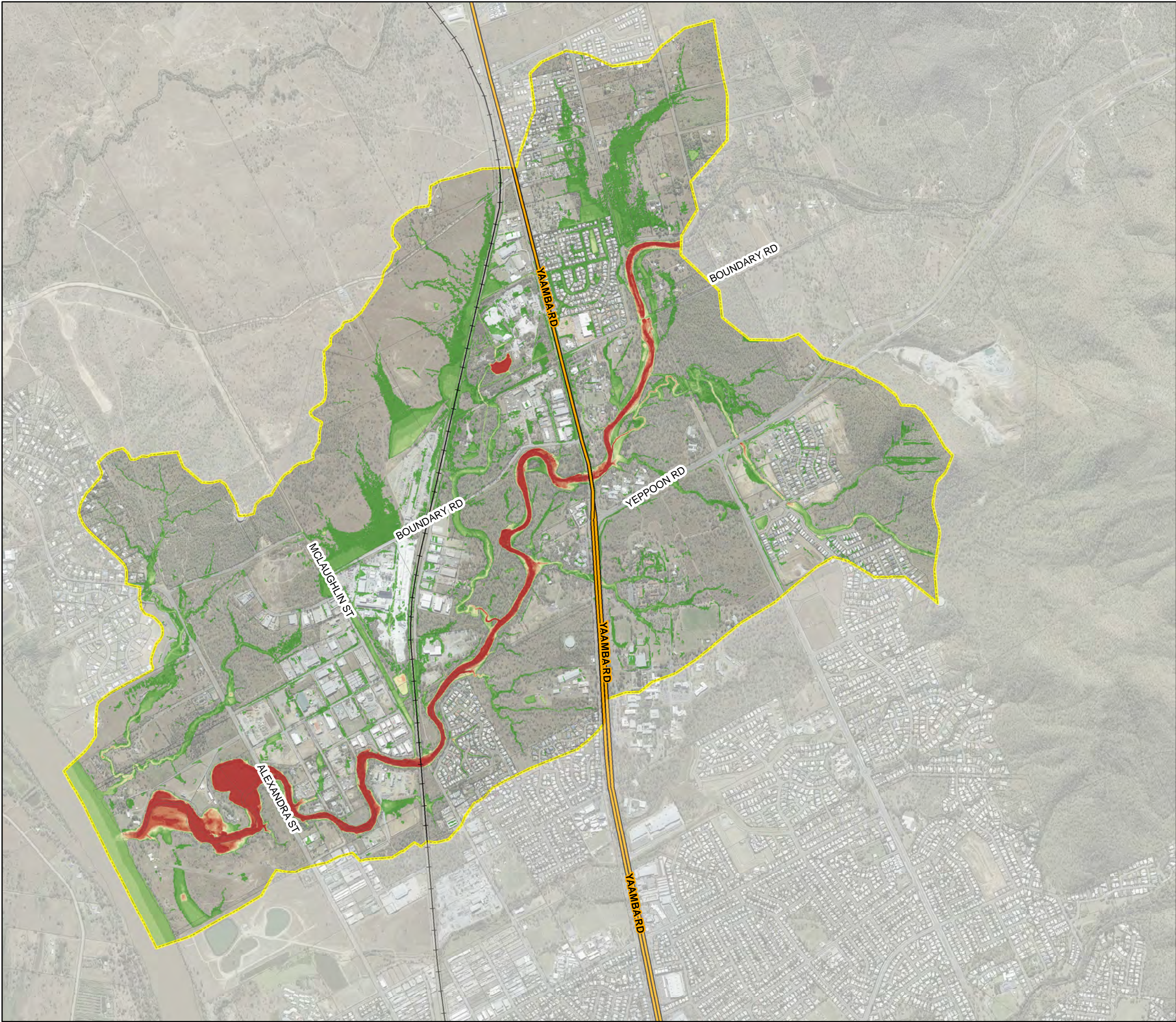
Limestone Creek Model
Baseline Peak Depth Averaged Velocities

5% AEP 180min Storm Event

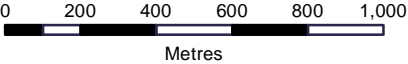
PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 17/07/2017
VERSION: 1

Map
LC-27

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1:20,000
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LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

Baseline Peak Flood Depth (m)

- < 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- 1.2 - 1.5
- 1.5 - 1.8
- 1.8 - 2.1
- 2.1 - 2.4
- 2.4 - 2.7
- 2.7 - 3
- > 3.0

**Flood results are based
on local catchment events**

Data Sources:
DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:
75mm Min. Depth
100m² Min. Area

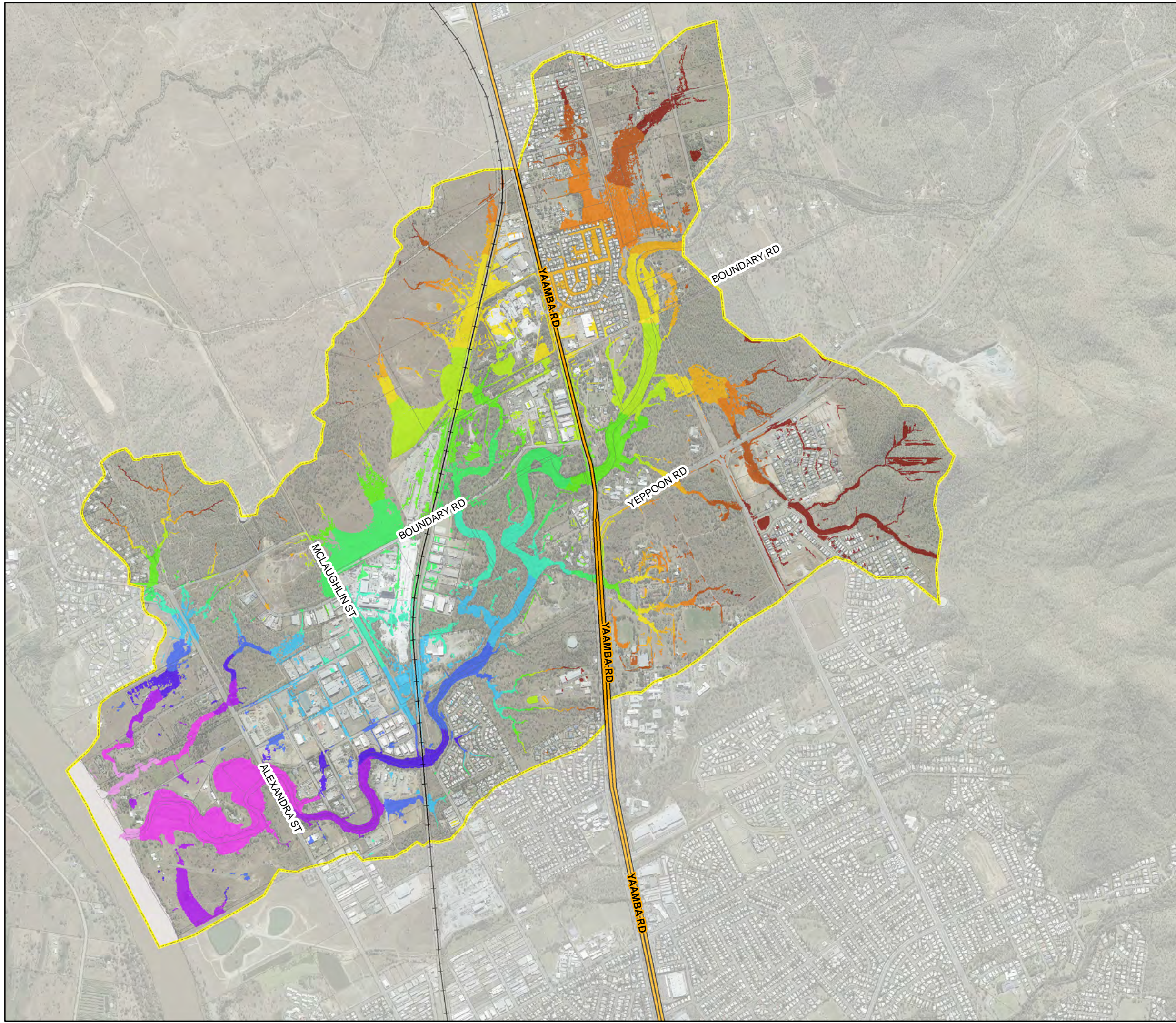
Limestone Creek Model
Baseline Peak Flood Depths



2% AEP 180min Storm Event

PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 17/07/2017
VERSION: 1

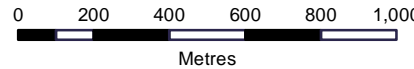
Map
LC-28

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0 200 400 600 800 1,000
Metres

1:20,000
(when printed at A3)



LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

Baseline Peak Flood Height (mAHD)

< 4.00
4.01 - 6.00
6.01 - 8.00
8.01 - 10.00
10.01 - 12.00
12.01 - 14.00
14.01 - 16.00
16.01 - 18.00
18.01 - 20.00
20.01 - 22.00
22.01 - 24.00
24.01 - 26.00
26.01 - 28.00
28.01 - 30.00
30.01 - 35.00
> 35.00

Flood results are based on local catchment events

Data Sources: DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering: 75mm Min. Depth
100m² Min. Area

Limestone Creek Model
Baseline Peak Flood Heights

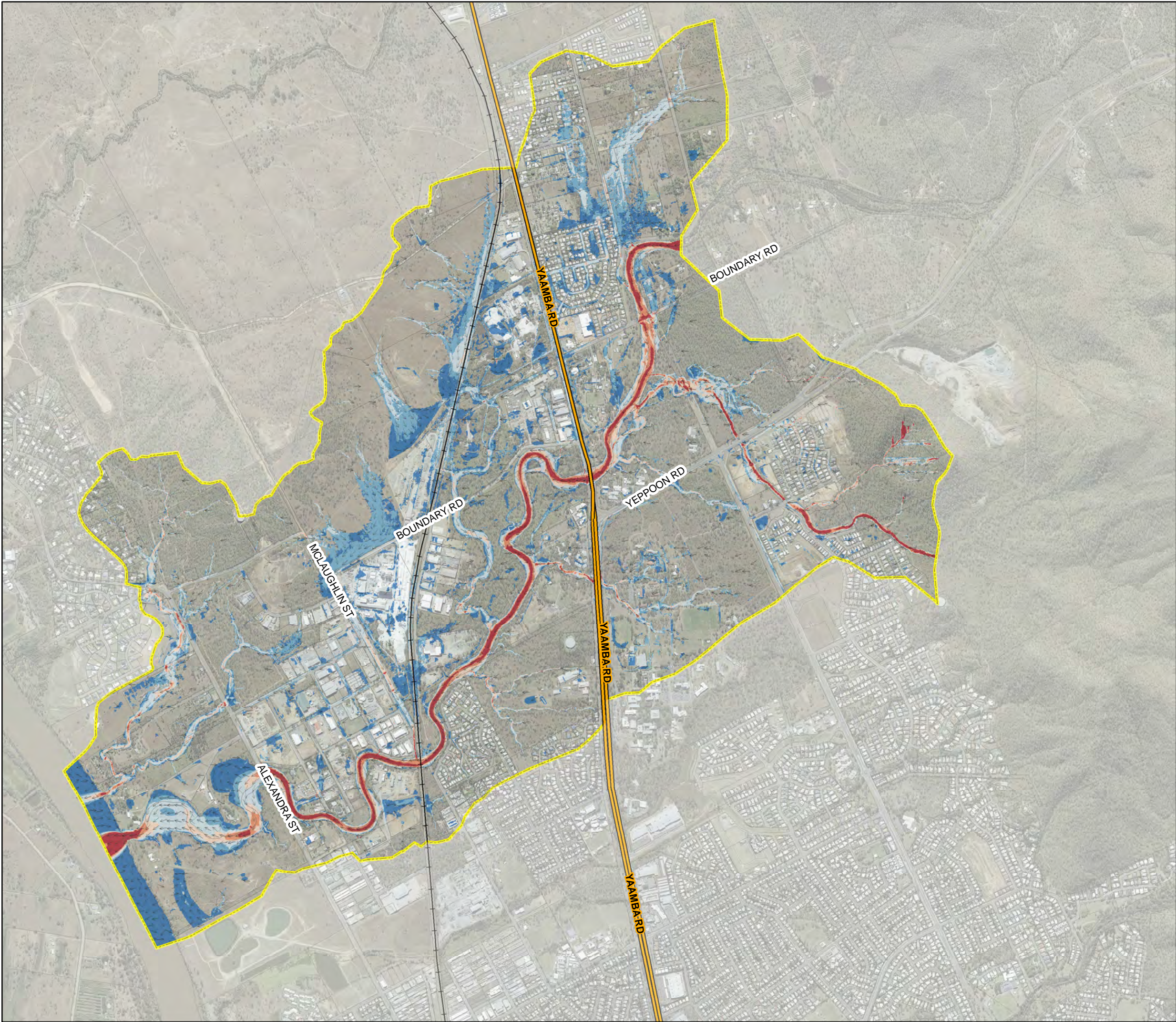
2% AEP 180min Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	17/07/2017
VERSION:	1

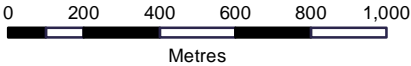
Map

LC-29

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DATUM GDA 1994, PROJECTION MGA ZONE 56



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LEGEND

↑ Flow Direction

Highways

Railway Lines

Cadastral

Hydraulic Model Extent

Peak Average Depth Velocity (m/s)

< 0.25

0.25 - 0.50

0.51 - 1.00

1.01 - 1.50

1.51 - 2.00

> 2.00

**Flood results are based
on local catchment events**

Data Sources:

DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:

75mm Min. Depth
100m² Min. Area

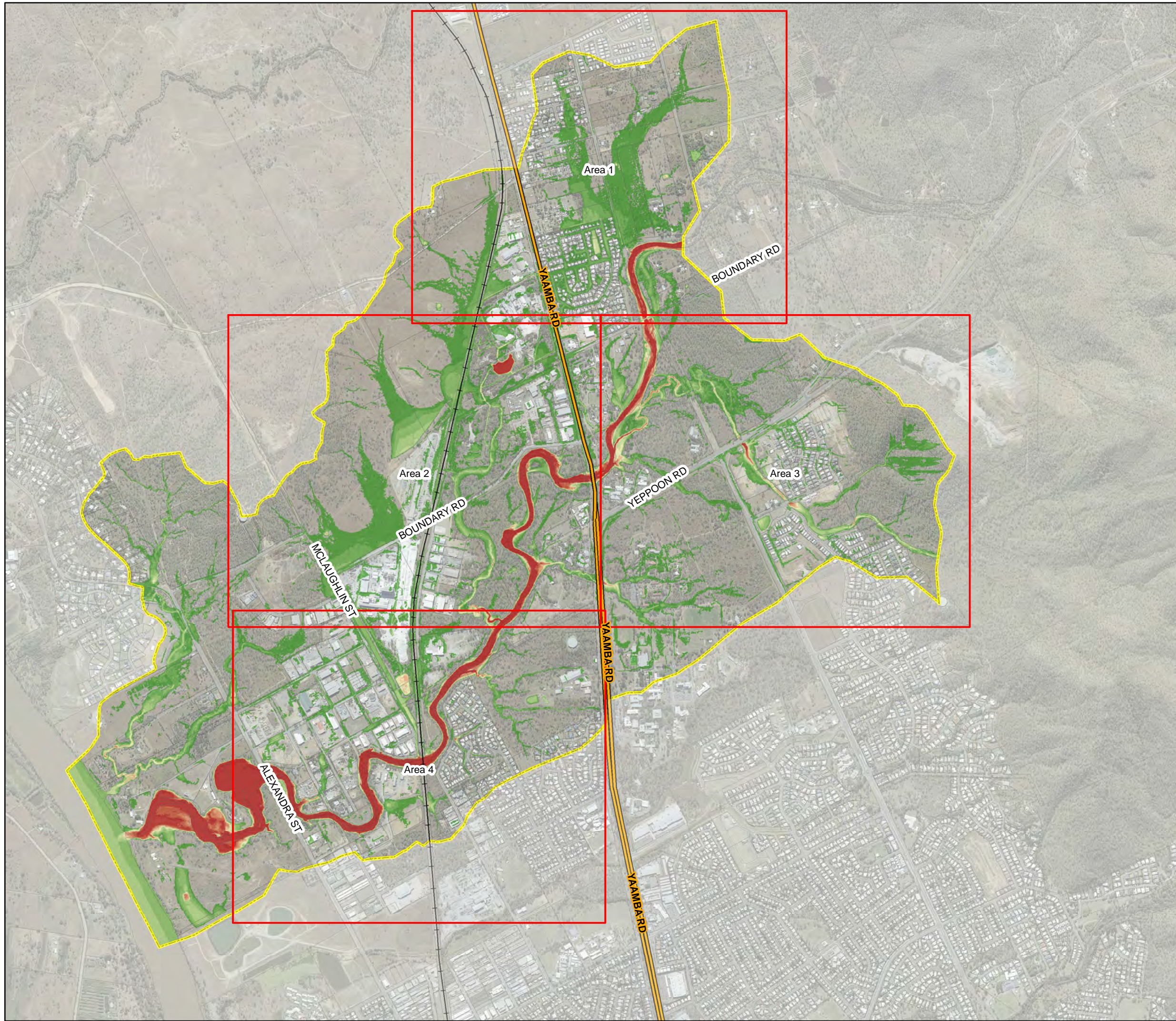
Limestone Creek Model
Baseline Peak Depth Averaged Velocities

2% AEP 180min Storm Event

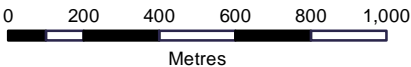
PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 17/07/2017
VERSION: 1

Map
LC-30

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DATUM GDA 1994, PROJECTION MGA ZONE 56



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LEGEND

- Map Extents
- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

Baseline Peak Flood Depth (m)

- < 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- 1.2 - 1.5
- 1.5 - 1.8
- 1.8 - 2.1
- 2.1 - 2.4
- 2.4 - 2.7
- 2.7 - 3
- > 3.0

Flood results are based
on local catchment events

Data Sources:

DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:

75mm Min. Depth
100m² Min. Area

Limestone Creek Model
Peak Flood Depths - Catchment Overview

1% AEP Across Multiple Storm Durations

PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 17/07/2017
VERSION: 1

Map
LC-31

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DATUM GDA 1994, PROJECTION MGA ZONE 56

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(when printed at A3)

LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

Baseline Peak Flood Depth (m)

< 0.3
0.3 - 0.6
0.6 - 0.9
0.9 - 1.2
1.2 - 1.5
1.5 - 1.8
1.8 - 2.1
2.1 - 2.4
2.4 - 2.7
2.7 - 3
> 3.0

Flood results are based on local catchment events

Data Sources: DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering: 75mm Min. Depth
100m² Min. Area

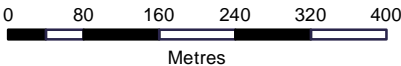
Limestone Creek Model
Peak Flood Depths - Area 1

1% AEP Across Multiple Storm Durations

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	17/07/2017
VERSION:	1

Map

LC-32



1:8,000
(when printed at A3)

LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

Baseline Peak Flood Depth (m)

- < 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- 1.2 - 1.5
- 1.5 - 1.8
- 1.8 - 2.1
- 2.1 - 2.4
- 2.4 - 2.7
- 2.7 - 3
- > 3.0

Flood results are based
on local catchment events

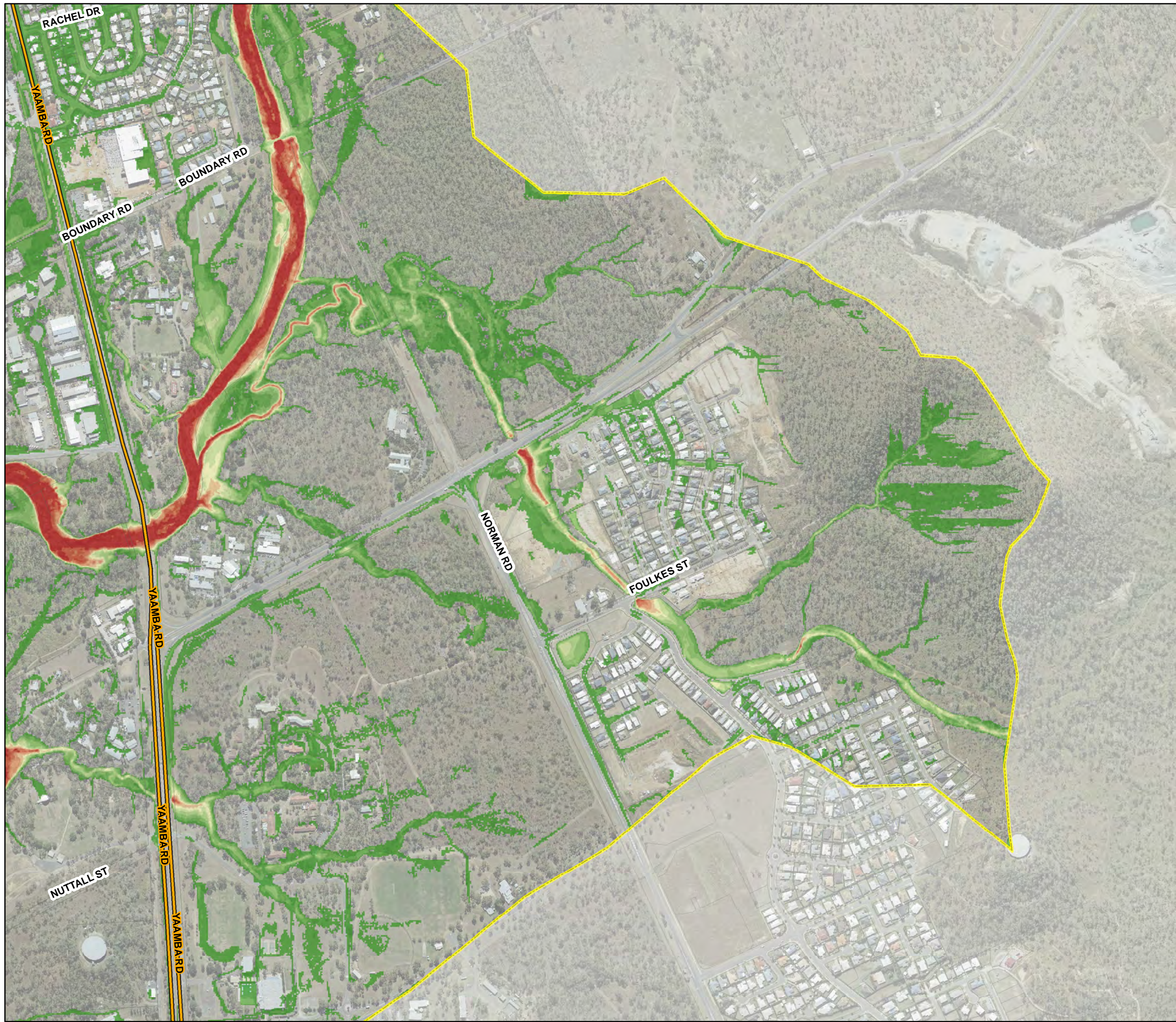
Data Sources:
DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:
75mm Min. Depth
100m² Min. Area

Limestone Creek Model
Peak Flood Depths - Area 2
1% AEP Across Multiple Storm Durations

PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 17/07/2017
VERSION: 1

Map
LC-33



1:8,000
(when printed at A3)

LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

Baseline Peak Flood Depth (m)

- < 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- 1.2 - 1.5
- 1.5 - 1.8
- 1.8 - 2.1
- 2.1 - 2.4
- 2.4 - 2.7
- 2.7 - 3
- > 3.0

Flood results are based
on local catchment events

Data Sources:
DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

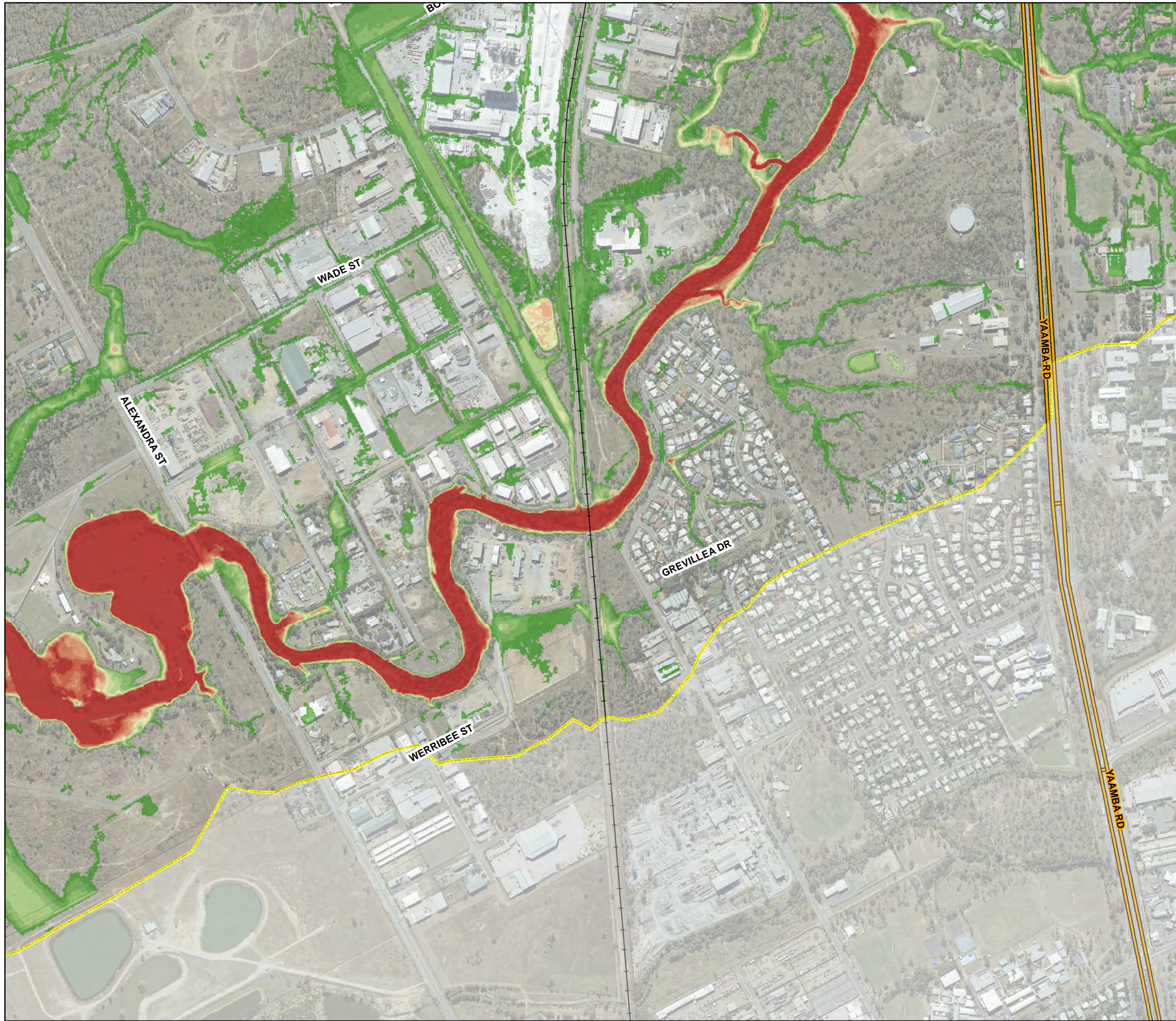
Results Filtering:
75mm Min. Depth
100m² Min. Area

Limestone Creek Model
Peak Flood Depths - Area 3

1% AEP Across Multiple Storm Durations

PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 17/07/2017
VERSION: 1

Map
LC-34



LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

Baseline Peak Flood Depth (m)

< 0.3
0.3 - 0.6
0.6 - 0.9
0.9 - 1.2
1.2 - 1.5
1.5 - 1.8
1.8 - 2.1
2.1 - 2.4
2.4 - 2.7
2.7 - 3
> 3.0

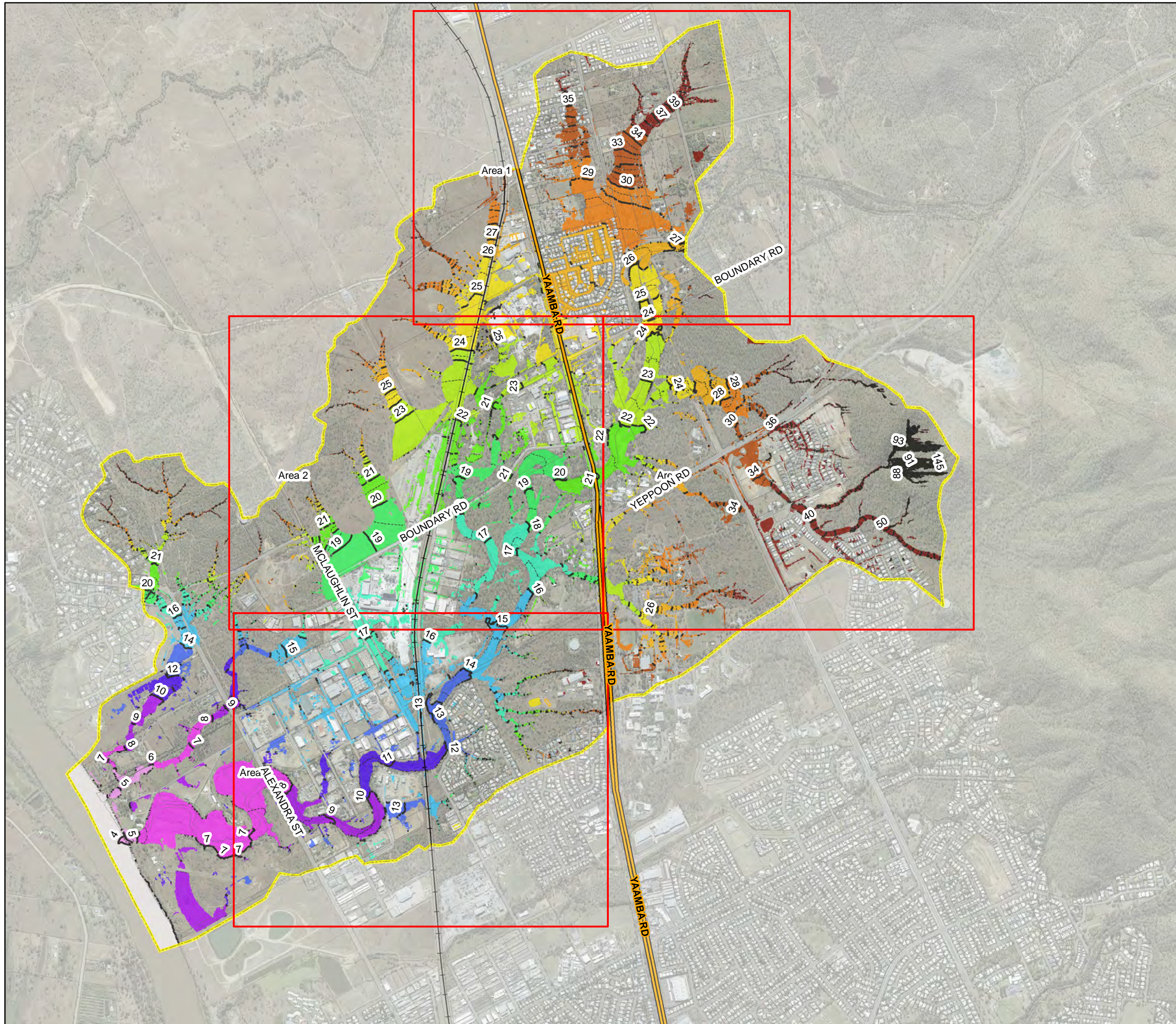
**Flood results are based
on local catchment events**



Data Sources:
DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:
75mm Min. Depth
100m² Min. Area

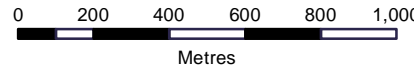
Limestone Creek Model
Peak Flood Depths - Area 4
1% AEP Across Multiple Storm Durations

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DATUM GDA 1994, PROJECTION MGA ZONE 56



0 200 400 600 800 1,000
Metres

1:20,000
(when printed at A3)



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LEGEND

- Map Extents
- Highways
- Railway Lines
- Cadastral
- Hydraulic Model Extent
- 0.5m Contour
- 1m Contour

Baseline Peak Flood Height (mAHD)

< 4.00
4.01 - 6.00
6.01 - 8.00
8.01 - 10.00
10.01 - 12.00
12.01 - 14.00
14.01 - 16.00
16.01 - 18.00
18.01 - 20.00
20.01 - 22.00
22.01 - 24.00
24.01 - 26.00
26.01 - 28.00
28.01 - 30.00
30.01 - 35.00
> 35.00

Flood results are based on local catchment events

Data Sources: DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering: 75mm Min. Depth
100m² Min. Area

Limestone Creek Model
Peak Flood Depths - Catchment Overview

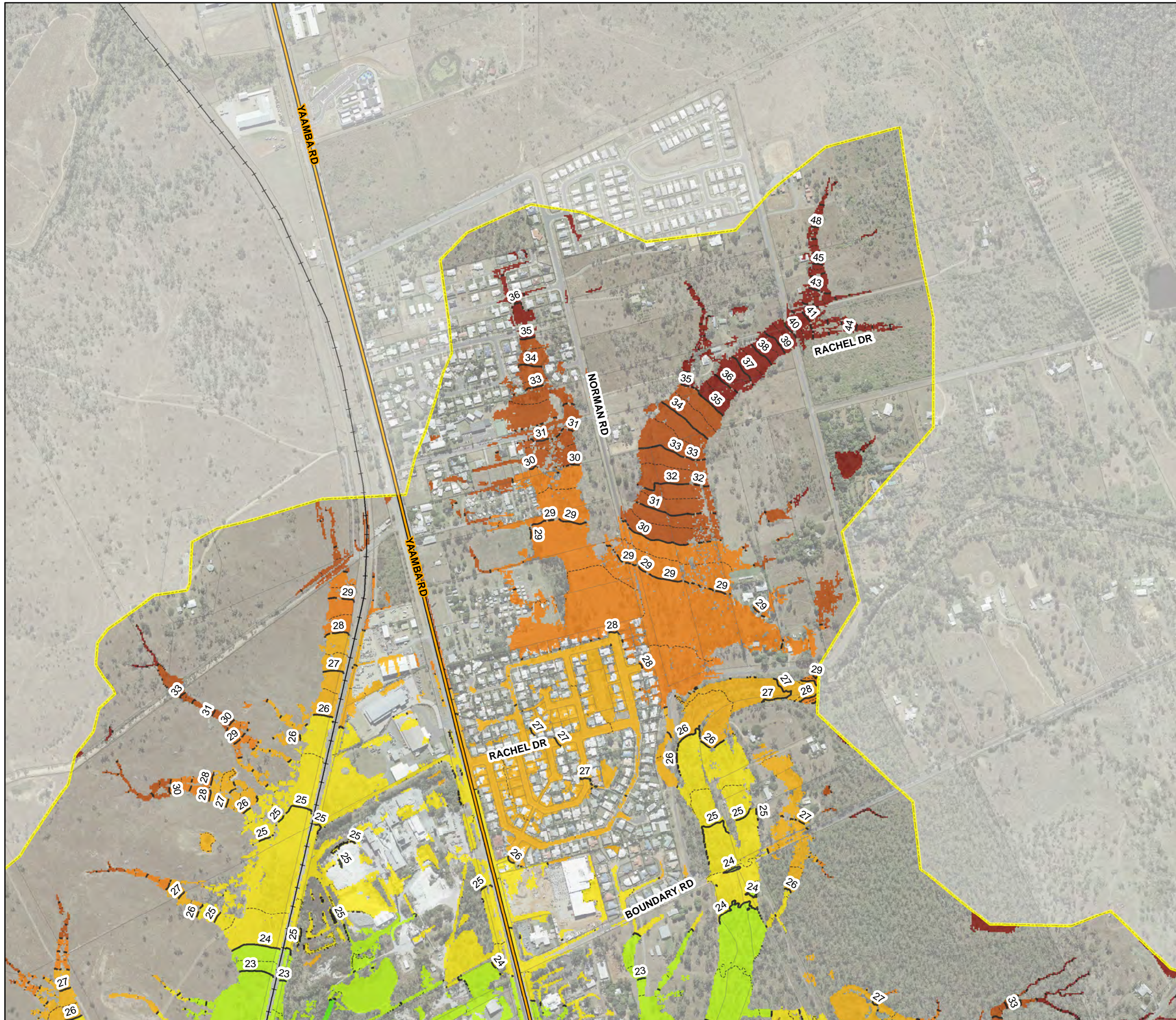
1% AEP Across Multiple Storm Durations

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	17/07/2017
VERSION:	1

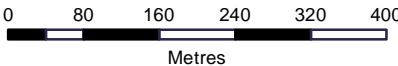
Map

LC-36

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LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent
- 0.5m Contour
- 1m Contour

Baseline Peak Flood Height (mAHD)

- < 4.00
- 4.01 - 6.00
- 6.01 - 8.00
- 8.01 - 10.00
- 10.01 - 12.00
- 12.01 - 14.00
- 14.01 - 16.00
- 16.01 - 18.00
- 18.01 - 20.00
- 20.01 - 22.00
- 22.01 - 24.00
- 24.01 - 26.00
- 26.01 - 28.00
- 28.01 - 30.00
- 30.01 - 35.00
- > 35.00

**Flood results are based
on local catchment events**

Data Sources:

DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:

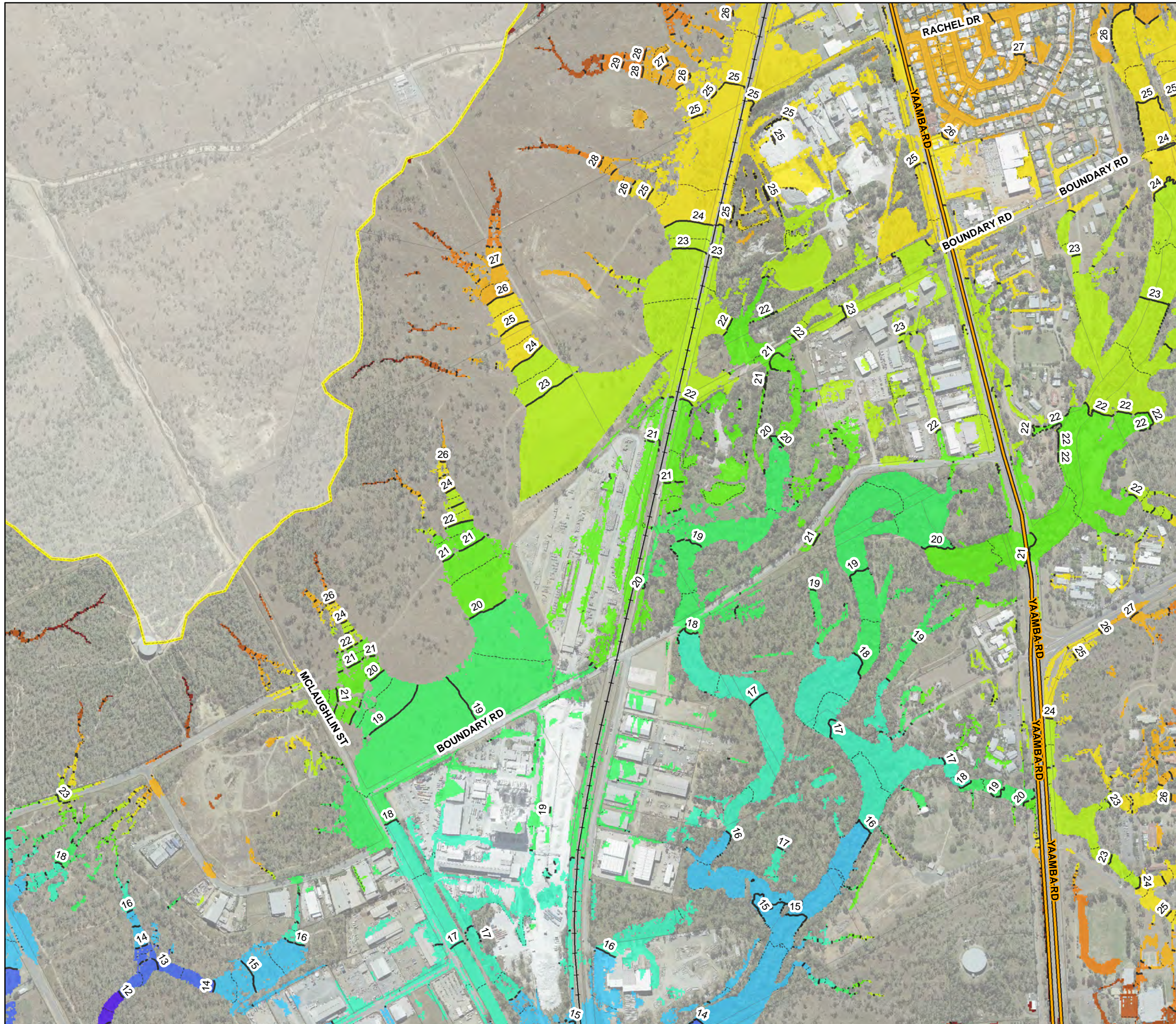
75mm Min. Depth
100m² Min. Area



Limestone Creek Model
Peak Flood Depths - Area 1

1% AEP Across Multiple Storm Durations

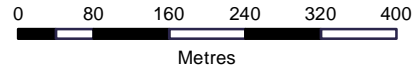
PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 17/07/2017
VERSION: 1

Map
LC-37






DATUM GDA 1994, PROJECTION MGA ZONE 56



Metres

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LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent
- 0.5m Contour
- 1m Contour

Baseline Peak Flood Height (mAHD)

< 4.00
4.01 - 6.00
6.01 - 8.00
8.01 - 10.00
10.01 - 12.00
12.01 - 14.00
14.01 - 16.00
16.01 - 18.00
18.01 - 20.00
20.01 - 22.00
22.01 - 24.00
24.01 - 26.00
26.01 - 28.00
28.01 - 30.00
30.01 - 35.00
> 35.00

Flood results are based on local catchment events

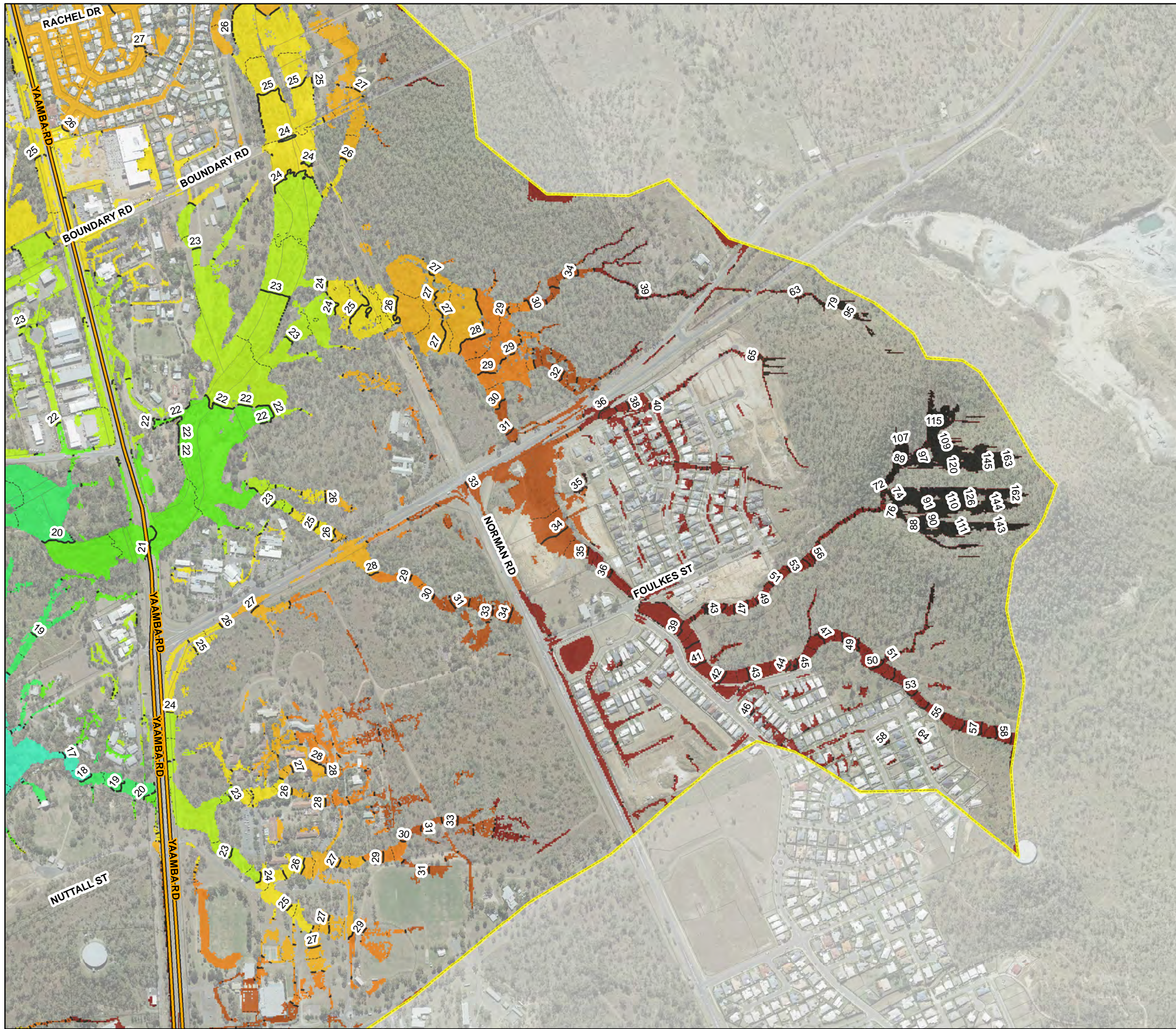
Data Sources: DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC



Results Filtering: 75mm Min. Depth
100m² Min. Area

Limestone Creek Model
Peak Flood Depths - Area 2
1% AEP Across Multiple Storm Durations

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	17/07/2017
VERSION:	1

Map
LC-38






DATUM GDA 1994, PROJECTION MGA ZONE 56

0 80 160 240 320 400

Metres

1:8,000
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LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent
- 0.5m Contour
- 1m Contour

Baseline Peak Flood Height (mAHd)

< 4.00
4.01 - 6.00
6.01 - 8.00
8.01 - 10.00
10.01 - 12.00
12.01 - 14.00
14.01 - 16.00
16.01 - 18.00
18.01 - 20.00
20.01 - 22.00
22.01 - 24.00
24.01 - 26.00
26.01 - 28.00
28.01 - 30.00
30.01 - 35.00
> 35.00

Flood results are based on local catchment events

Data Sources:

DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

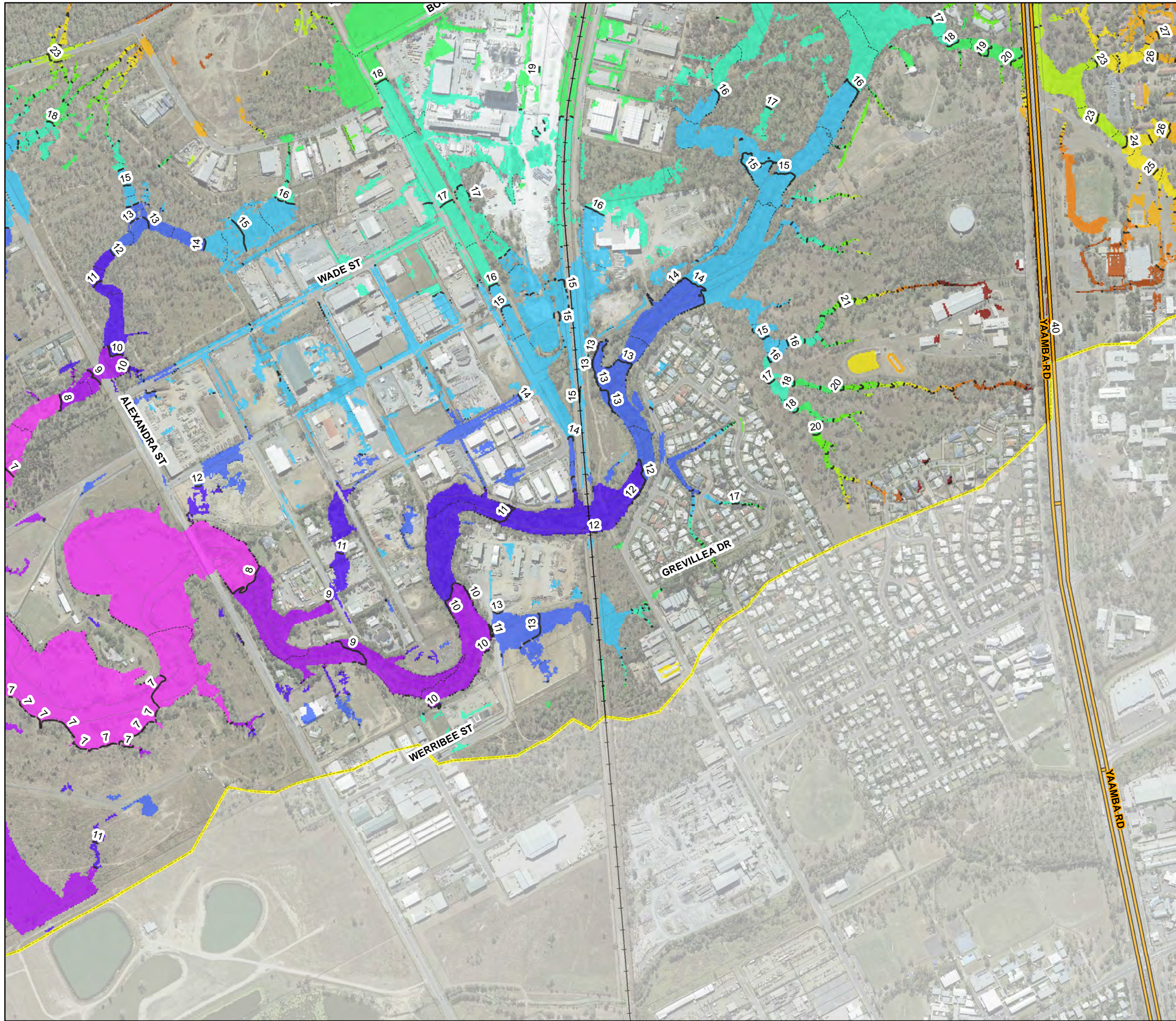
Results Filtering:

75mm Min. Depth
100m² Min. Area

Limestone Creek Model
Peak Flood Depths - Area 3

1% AEP Across Multiple Storm Durations

PROJECT ID	60534898	Map LC-39
CREATED BY	maullybj	
LAST MODIFIED	17/07/2017	
VERSION:	1	



LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent
- 0.5m Contour
- 1m Contour

Baseline Peak Flood Height (mAHD)

< 4.00
4.01 - 6.00
6.01 - 8.00
8.01 - 10.00
10.01 - 12.00
12.01 - 14.00
14.01 - 16.00
16.01 - 18.00
18.01 - 20.00
20.01 - 22.00
22.01 - 24.00
24.01 - 26.00
26.01 - 28.00
28.01 - 30.00
30.01 - 35.00
> 35.00

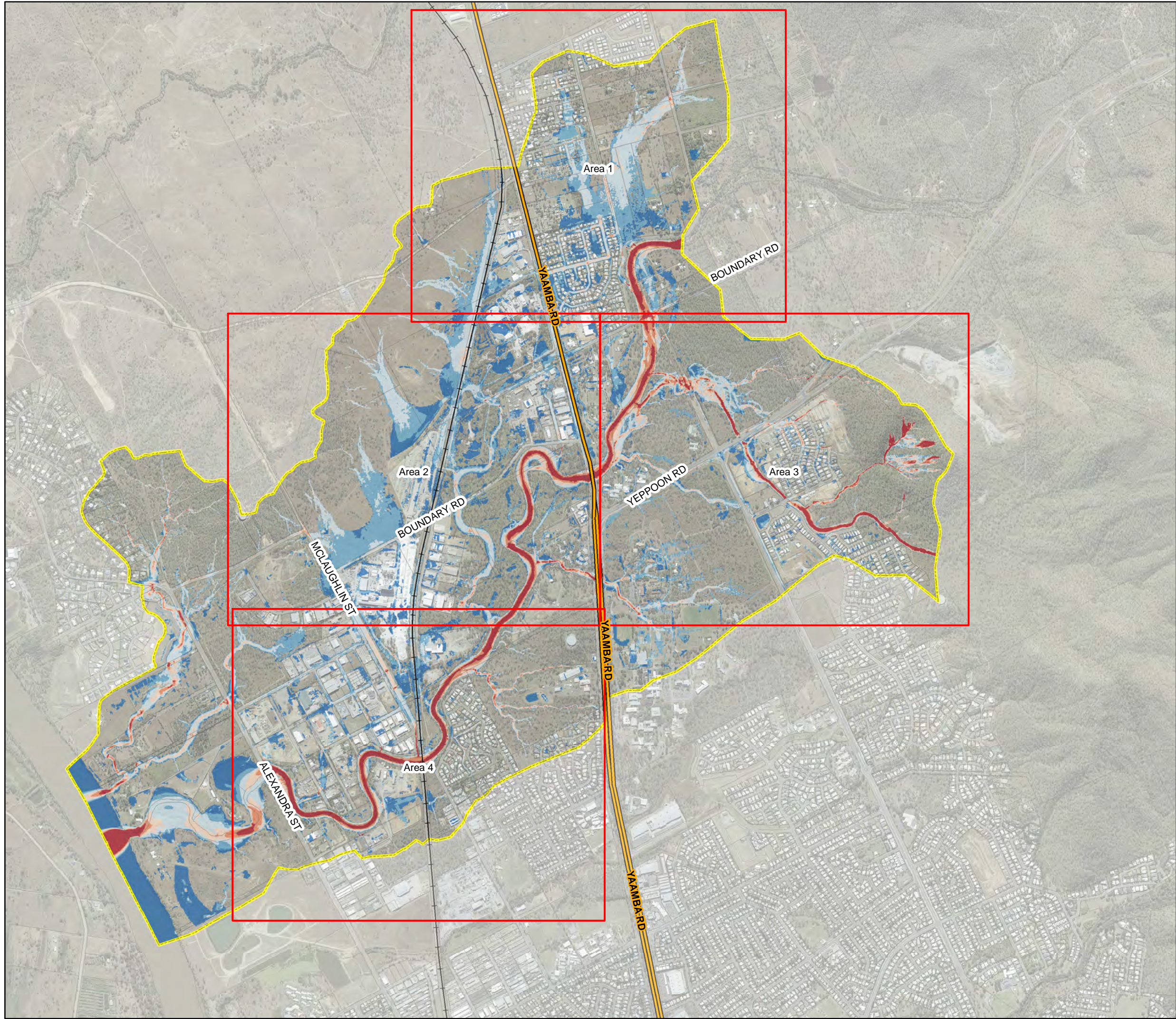
Flood results are based on local catchment events

Data Sources: DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

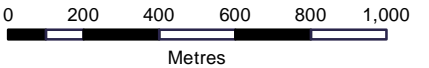
Results Filtering: 75mm Min. Depth
100m² Min. Area

Limestone Creek Model
Peak Flood Depths - Area 4
1% AEP Across Multiple Storm Durations

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LEGEND

- Map Extents
- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

Peak Depth Averaged Velocity (m/s)

- < 0.25
- 0.25 - 0.50
- 0.51 - 1.00
- 1.01 - 1.50
- 1.51 - 2.00
- > 2.00

**Flood results are based
on local catchment events**

Data Sources:

DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:

75mm Min. Depth
100m² Min. Area

Limestone Creek Model
Peak Depth Averaged Velocity
Catchment Overview

1% AEP Across Multiple Storm Durations

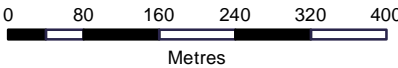
PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 17/07/2017
VERSION: 1

Map
LC-41

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LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent
- Flow Direction

Peak Depth Averaged Velocity (m/s)

- < 0.25
- 0.25 - 0.50
- 0.51 - 1.00
- 1.01 - 1.50
- 1.51 - 2.00
- > 2.00

**Flood results are based
on local catchment events**

Data Sources:

DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:

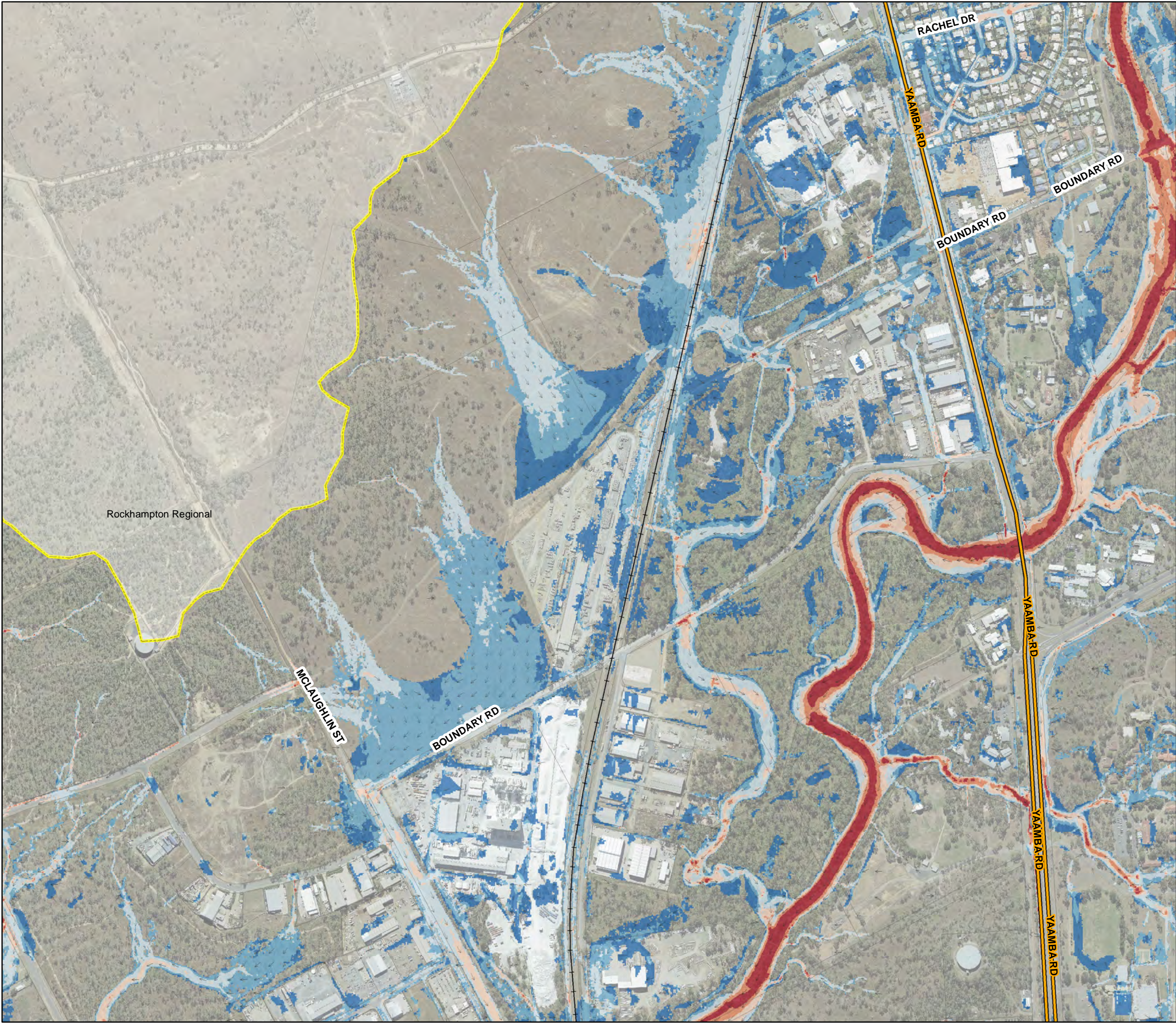
75mm Min. Depth
100m² Min. Area

Limestone Creek Model
Peak Depth Averaged Velocity - Area 1

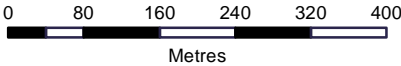
1% AEP Across Multiple Storm Durations

PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 17/07/2017
VERSION: 1

Map
LC-42



DATUM GDA 1994, PROJECTION MGA ZONE 56



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LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent
- Flow Direction

Peak Depth Averaged Velocity (m/s)

- < 0.25
- 0.25 - 0.50
- 0.51 - 1.00
- 1.01 - 1.50
- 1.51 - 2.00
- > 2.00

**Flood results are based
on local catchment events**

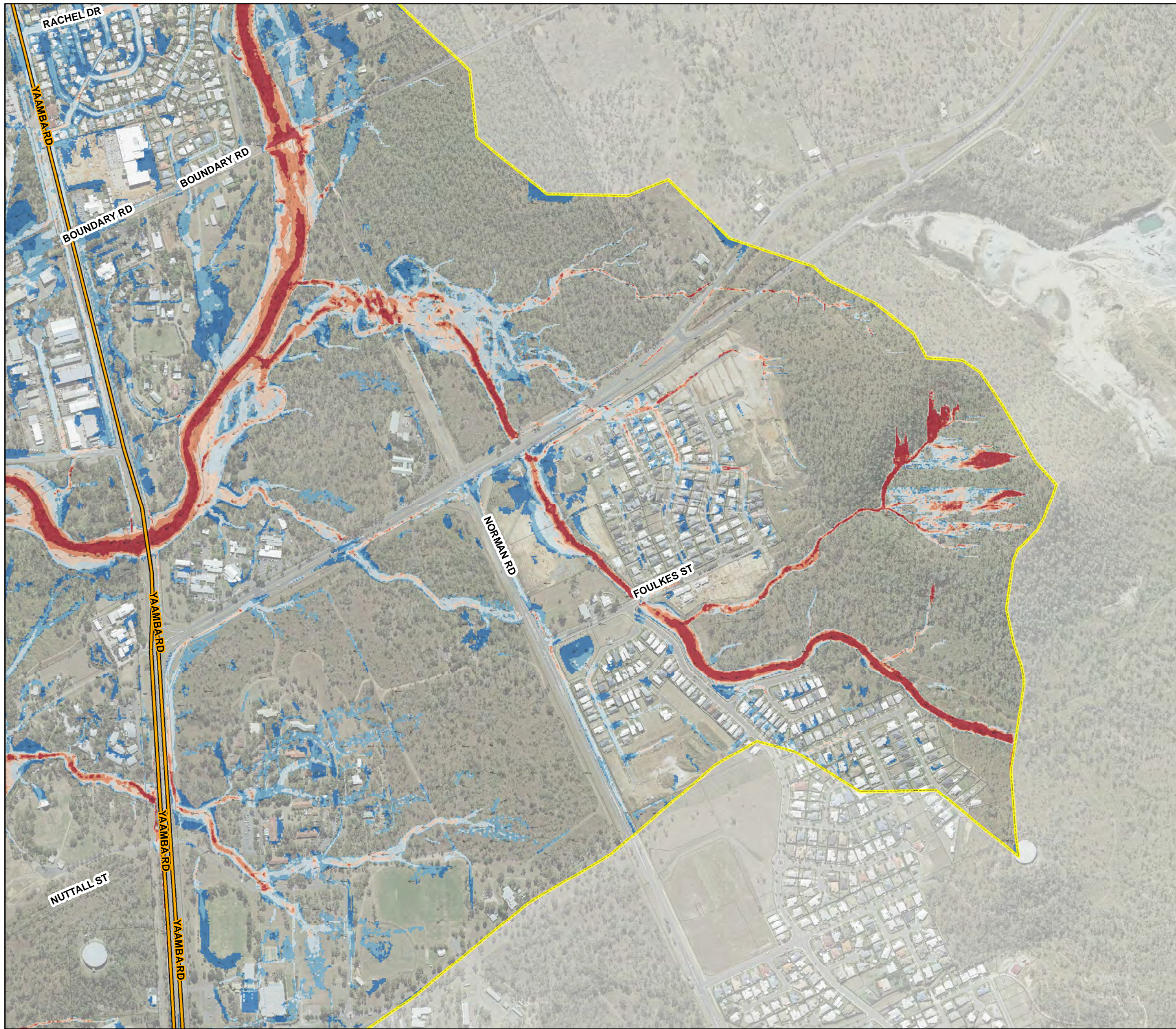
Data Sources:
DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:
75mm Min. Depth
100m² Min. Area

Limestone Creek Model
Peak Depth Averaged Velocity - Area 2
1% AEP Across Multiple Storm Durations

PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 17/07/2017
VERSION: 1

Map
LC-43



DATUM GDA 1994, PROJECTION MGA ZONE 56

0 80 160 240 320 400

Metres

1:8,000
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LEGEND

- ↑ Flow Direction
- Highways
- +— Railway Lines
- Cadastre
- Hydraulic Model Extent

Peak Depth Averaged Velocity (m/s)

- < 0.25
- 0.25 - 0.50
- 0.51 - 1.00
- 1.01 - 1.50
- 1.51 - 2.00
- > 2.00

Flood results are based on local catchment events

Data Sources: DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

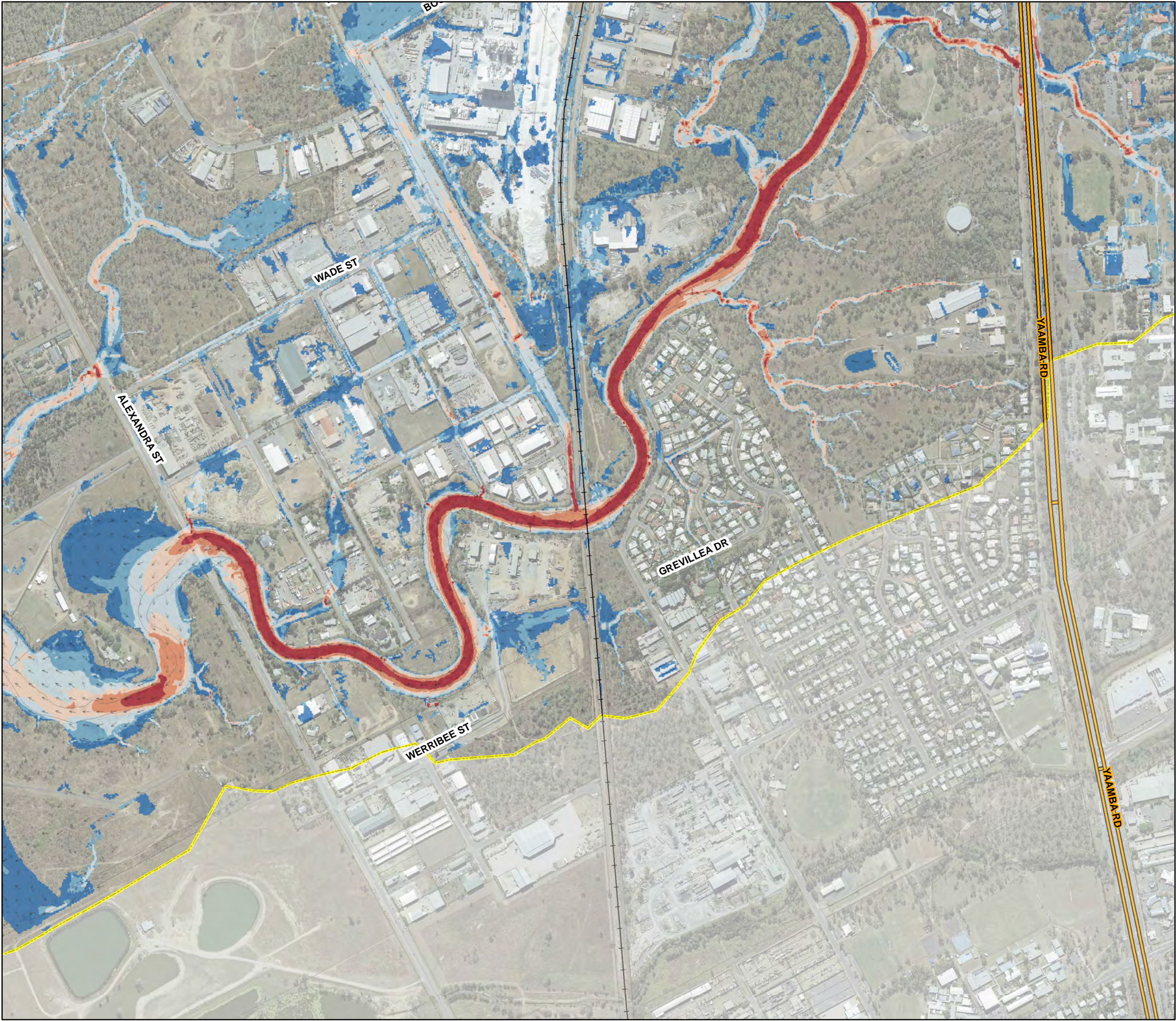
Results Filtering: 75mm Min. Depth
100m² Min. Area

Limestone Creek Model
Peak Depth Averaged Velocity - Area 3

1% AEP Across Multiple Storm Durations

PROJECT ID	60534898
CREATED BY	maullybj
LAST MODIFIED	17/07/2017
VERSION:	1

Map
LC-44



1:8,000
(when printed at A3)

LEGEND

- ↑ Flow Direction
- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

Peak Depth Averaged Velocity (m/s)

- < 0.25
- 0.25 - 0.50
- 0.51 - 1.00
- 1.01 - 1.50
- 1.51 - 2.00
- > 2.00

**Flood results are based
on local catchment events**

Data Sources:
DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:
75mm Min. Depth
100m² Min. Area

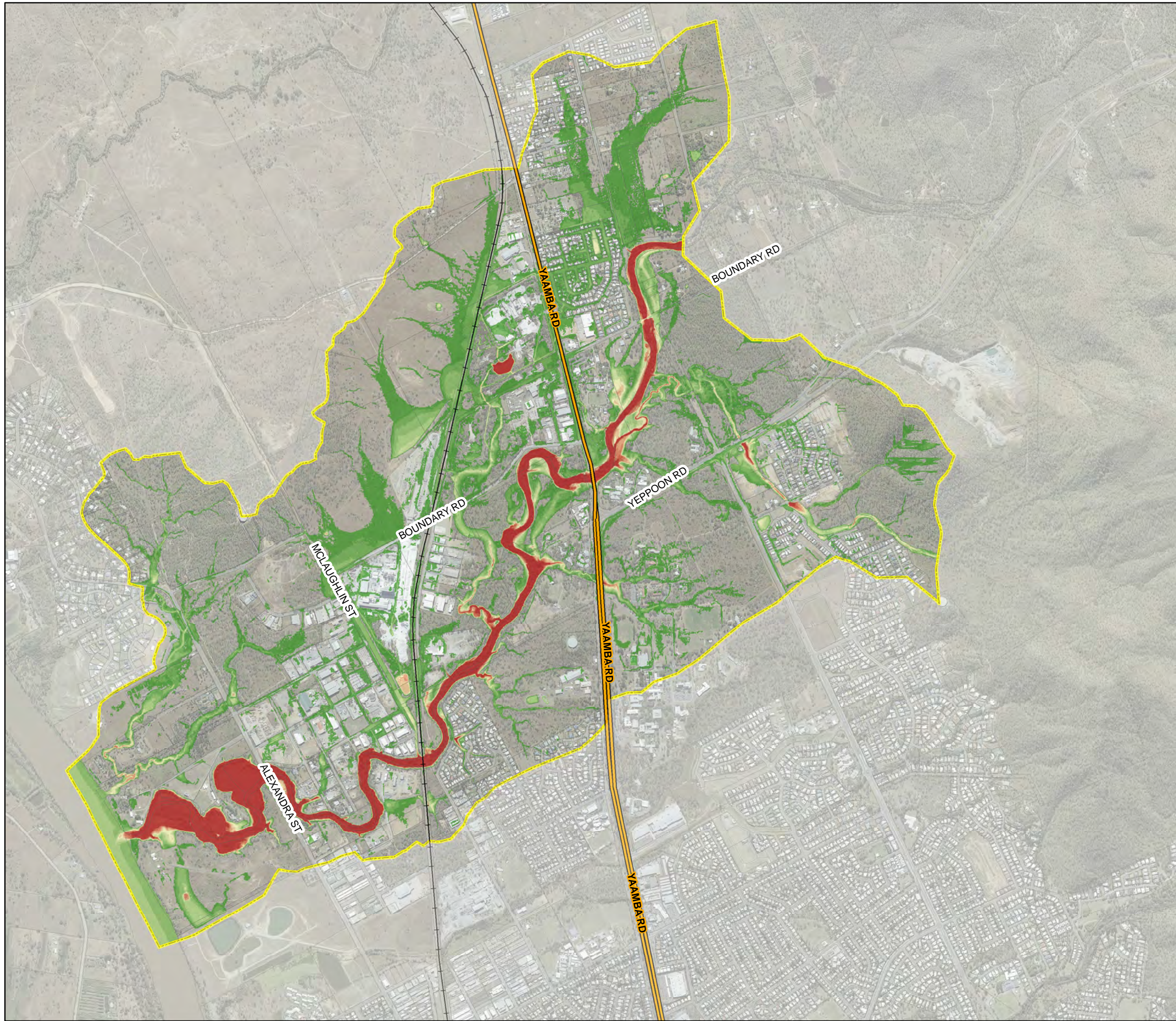
Limestone Creek Model
Peak Flood Depths - Area 4

1% AEP Across Multiple Storm Durations

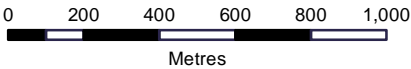
PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 17/07/2017
VERSION: 1

Map
LC-45

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DATUM GDA 1994, PROJECTION MGA ZONE 56



1:20,000
(when printed at A3)



LEGEND

- Highways
 - Railway Lines
 - Cadastre
 - Hydraulic Model Extent
- Baseline Peak Flood Depth (m)**
- < 0.3
 - 0.3 - 0.6
 - 0.6 - 0.9
 - 0.9 - 1.2
 - 1.2 - 1.5
 - 1.5 - 1.8
 - 1.8 - 2.1
 - 2.1 - 2.4
 - 2.4 - 2.7
 - 2.7 - 3
 - > 3.0

**Flood results are based
on local catchment events**

Data Sources:

DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:

75mm Min. Depth
100m² Min. Area

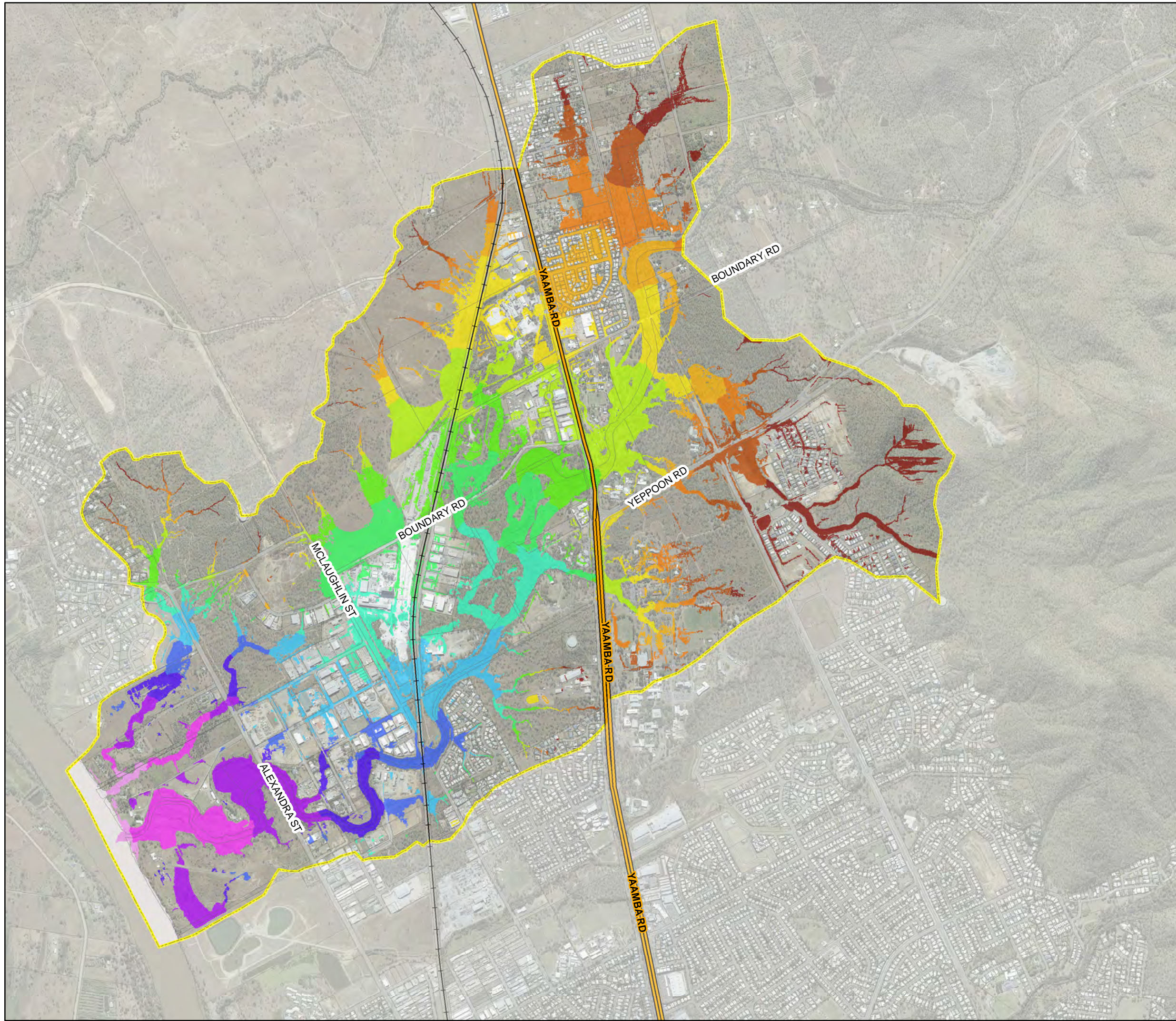
Limestone Creek Model
Baseline Peak Flood Depths

0.2% AEP 180min Storm Event

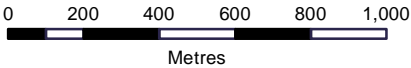
PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 17/07/2017
VERSION: 1

Map
LC-46

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DATUM GDA 1994, PROJECTION MGA ZONE 56



1:20,000
(when printed at A3)



LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

Baseline Peak Flood Height (mAHD)

- < 4.00
- 4.01 - 6.00
- 6.01 - 8.00
- 8.01 - 10.00
- 10.01 - 12.00
- 12.01 - 14.00
- 14.01 - 16.00
- 16.01 - 18.00
- 18.01 - 20.00
- 20.01 - 22.00
- 22.01 - 24.00
- 24.01 - 26.00
- 26.01 - 28.00
- 28.01 - 30.00
- 30.01 - 35.00
- > 35.00

**Flood results are based
on local catchment events**

Data Sources:

DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:

75mm Min. Depth
100m² Min. Area

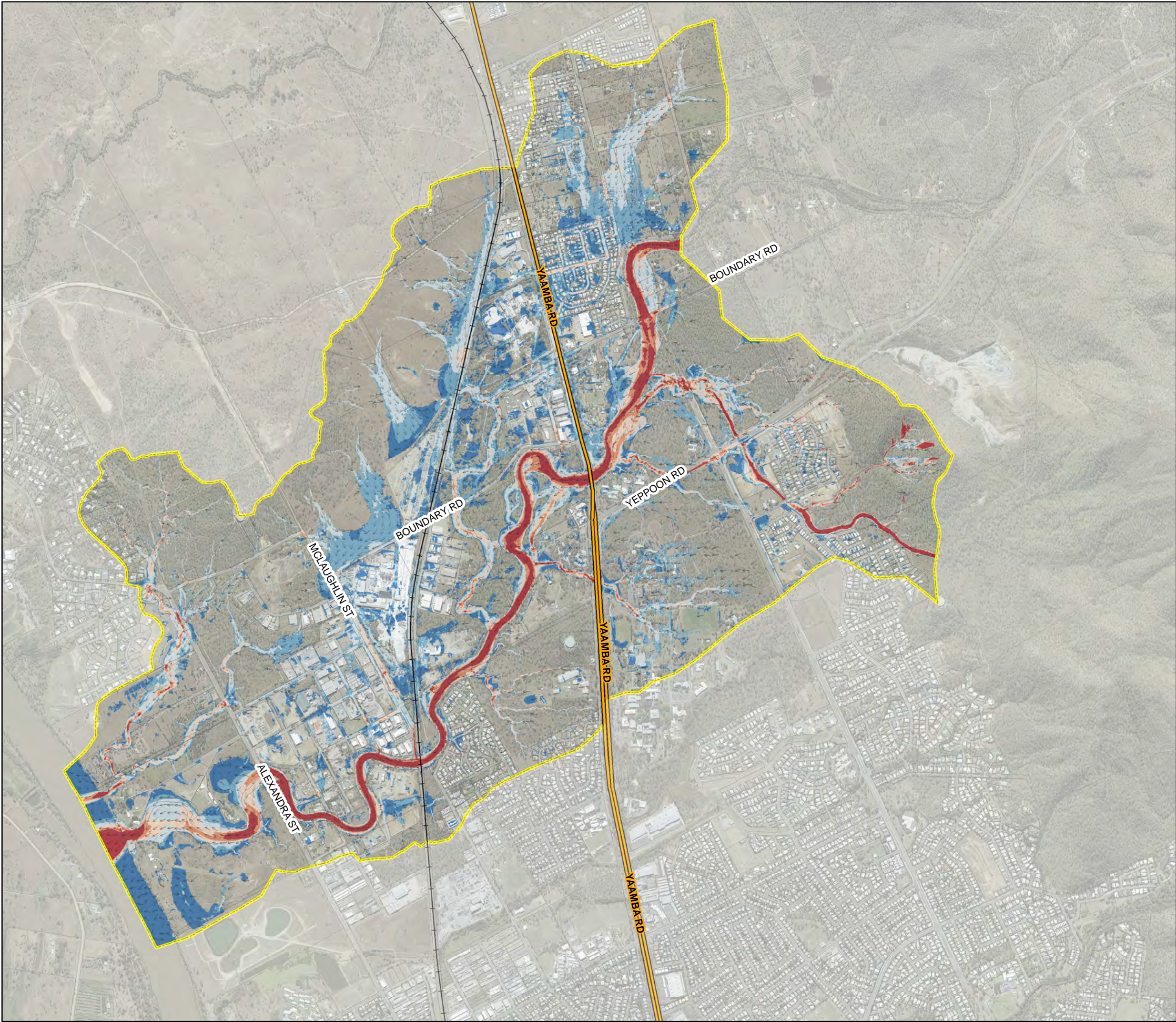
Limestone Creek Model
Baseline Peak Flood Heights

0.2% AEP 180min Storm Event

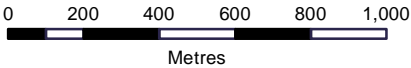
PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 17/07/2017
VERSION: 1

Map
LC-47

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DATUM GDA 1994, PROJECTION MGA ZONE 56



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LEGEND

↑ Flow Direction

Highways

Railway Lines

Cadastre

Hydraulic Model Extent

Peak Depth Averaged Velocity

< 0.25

0.25 - 0.50

0.51 - 1.00

1.01 - 1.50

1.51 - 2.00

> 2.00

Flood results are based
on local catchment events

Data Sources:

DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:

75mm Min. Depth
100m² Min. Area

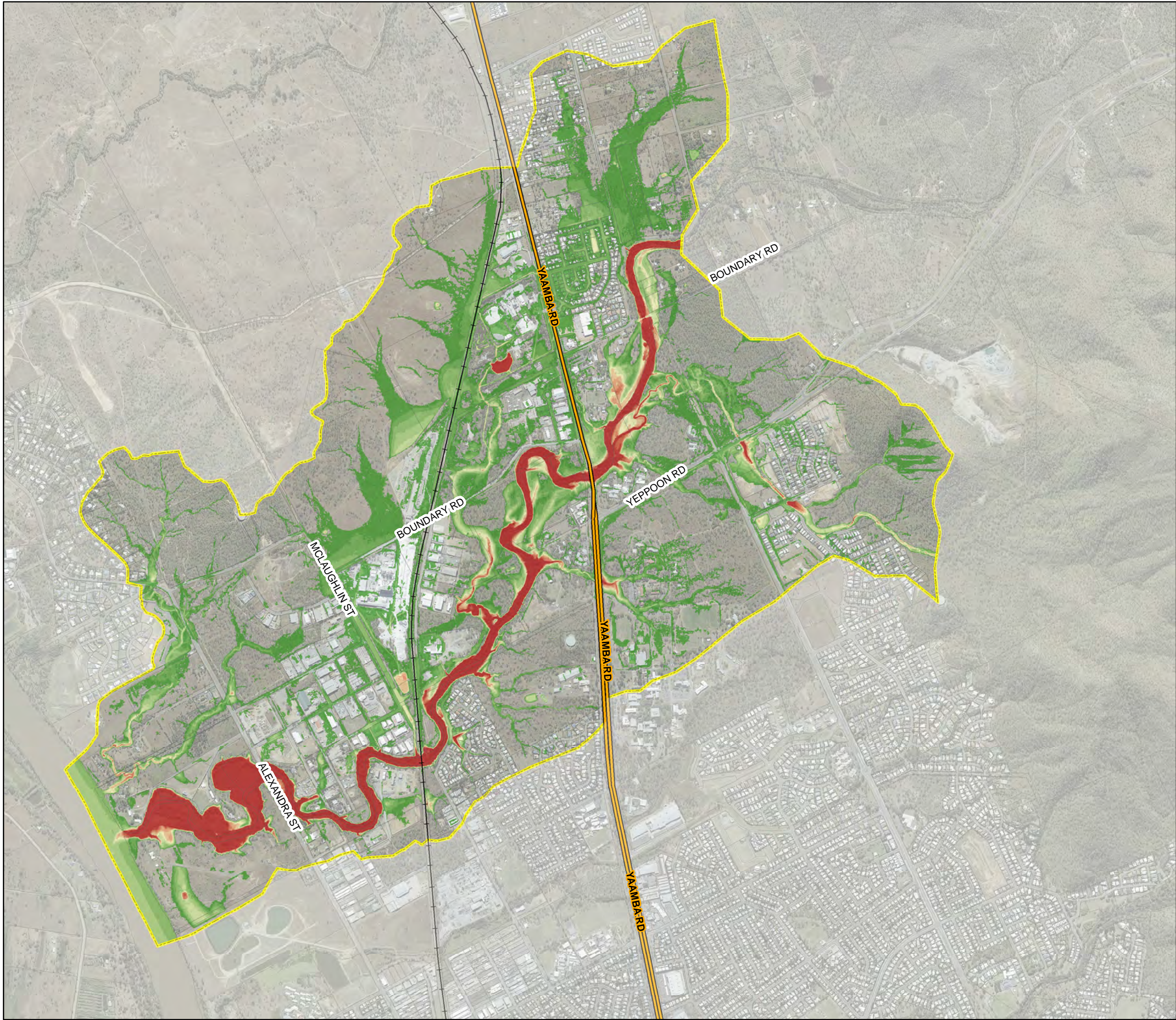
Limestone Creek Model
Baseline Peak Depth Averaged Velocities

0.2% AEP 180min Storm Event

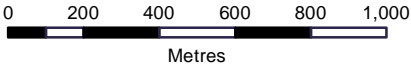
PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 17/07/2017
VERSION: 1

Map
LC-48

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DATUM GDA 1994, PROJECTION MGA ZONE 56



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LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

Baseline Peak Flood Depth (m)

- < 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- 1.2 - 1.5
- 1.5 - 1.8
- 1.8 - 2.1
- 2.1 - 2.4
- 2.4 - 2.7
- 2.7 - 3
- > 3.0

**Flood results are based
on local catchment events**

Data Sources:
DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:
75mm Min. Depth
100m² Min. Area

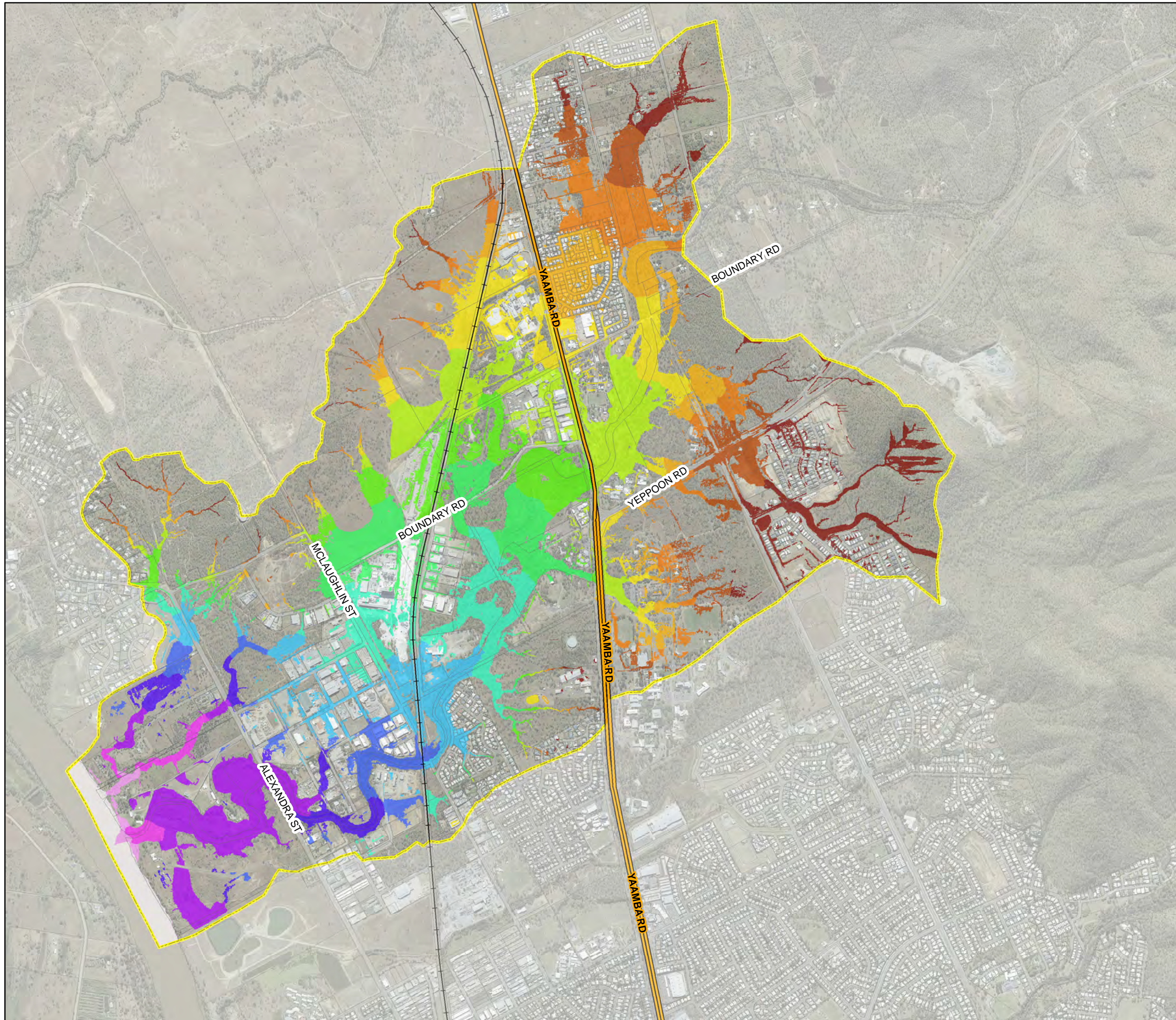
Limestone Creek Model
Baseline Peak Flood Depths



0.05% AEP 180min Storm Event

PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 17/07/2017
VERSION: 1

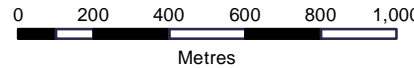
Map
LC-49

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DATUM GDA 1994, PROJECTION MGA ZONE 56








0 200 400 600 800 1,000
Metres

















1:20,000
(when printed at A3)



LEGEND

-  Mask
-  Highways
-  Railway Lines
-  Cadastre
-  Hydraulic Model Extent

Baseline Peak Flood Height (mAHd)

-  < 4.00
-  4.01 - 6.00
-  6.01 - 8.00
-  8.01 - 10.00
-  10.01 - 12.00
-  12.01 - 14.00
-  14.01 - 16.00
-  16.01 - 18.00
-  18.01 - 20.00
-  20.01 - 22.00
-  22.01 - 24.00
-  24.01 - 26.00
-  26.01 - 28.00
-  28.01 - 30.00
-  30.01 - 35.00
-  > 35.00

**Flood results are based
on local catchment events**

Data Sources: DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering: 75mm Min. Depth
100m² Min. Area

Limestone Creek Model
Baseline Peak Flood Heights

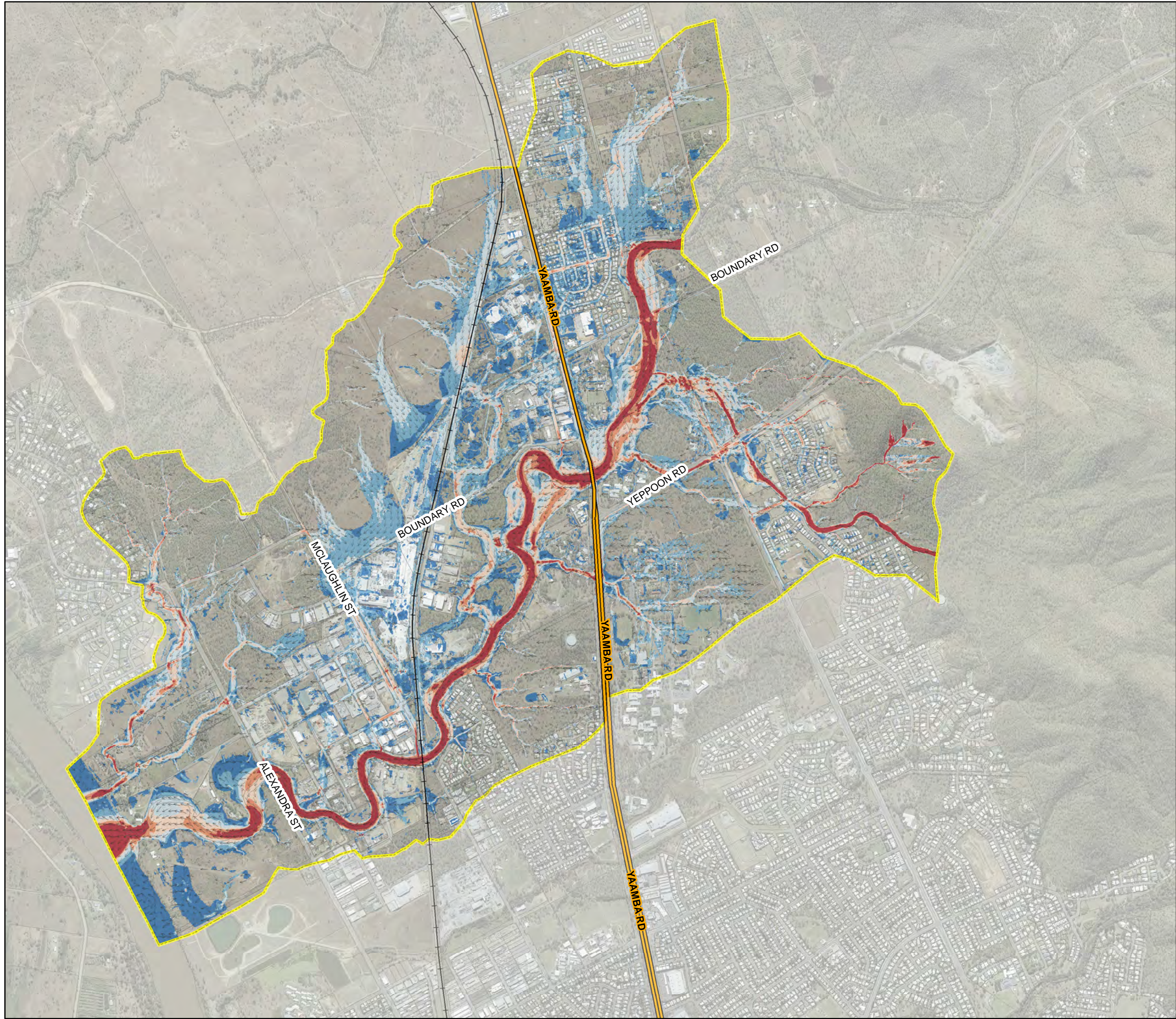
0.05% AEP 180min Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	17/07/2017
VERSION:	1

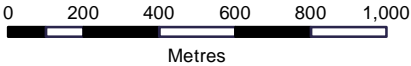
Map

LC-50

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LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent
- Flow Direction

Peak Depth Averaged Velocity

- < 0.25
- 0.25 - 0.50
- 0.51 - 1.00
- 1.01 - 1.50
- 1.51 - 2.00
- > 2.00

**Flood results are based
on local catchment events**

Data Sources:
DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:
75mm Min. Depth
100m² Min. Area

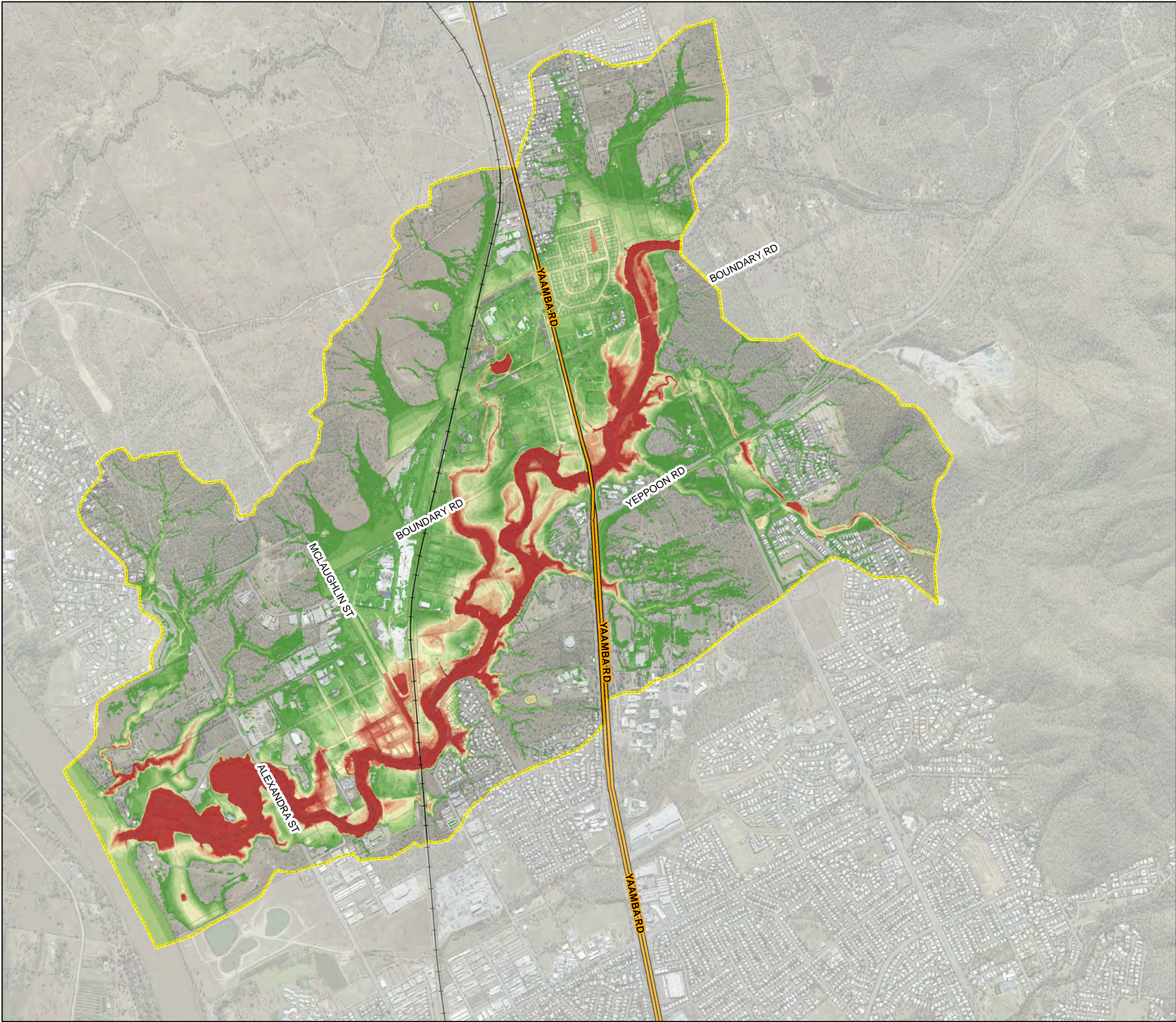
Limestone Creek Model
Baseline Peak Depth Averaged Velocities

0.05% AEP 180min Storm Event

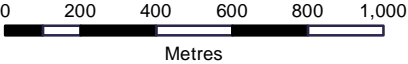
PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 17/07/2017
VERSION: 1

Map
LC-51

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LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

Baseline Peak Flood Depth (m)

- < 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- 1.2 - 1.5
- 1.5 - 1.8
- 1.8 - 2.1
- 2.1 - 2.4
- 2.4 - 2.7
- 2.7 - 3
- > 3.0

**Flood results are based
on local catchment events**

Data Sources:
DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:
75mm Min. Depth
100m² Min. Area

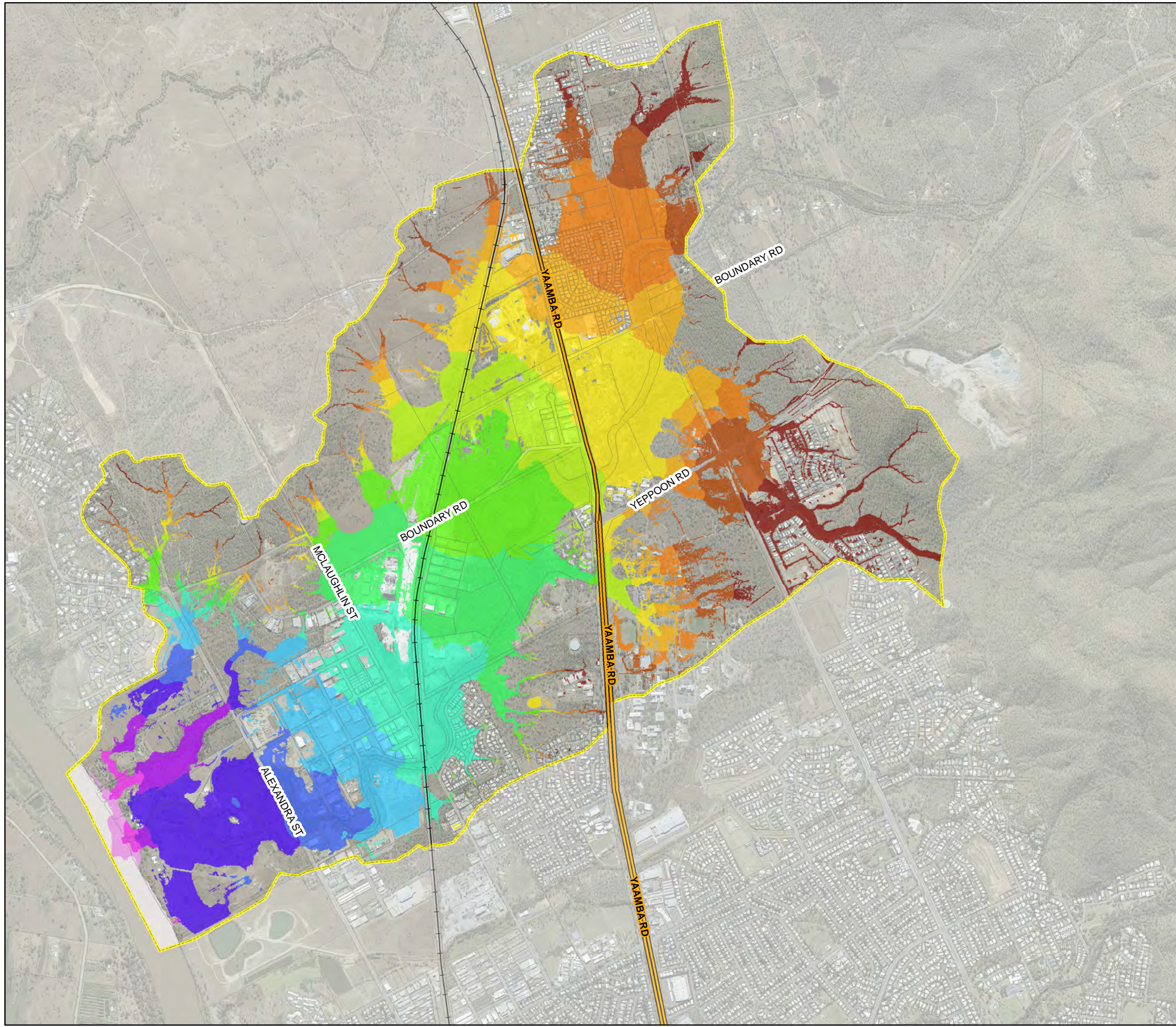
Limestone Creek Model
Baseline Peak Flood Depths



PMF 180min Storm Event

PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 17/07/2017
VERSION: 1

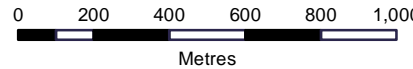
Map
LC-52

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DATUM GDA 1994, PROJECTION MGA ZONE 56



0 200 400 600 800 1,000
Metres

1:20,000
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LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

Baseline Peak Flood Height (mAHD)

< 4.00
4.01 - 6.00
6.01 - 8.00
8.01 - 10.00
10.01 - 12.00
12.01 - 14.00
14.01 - 16.00
16.01 - 18.00
18.01 - 20.00
20.01 - 22.00
22.01 - 24.00
24.01 - 26.00
26.01 - 28.00
28.01 - 30.00
30.01 - 35.00
> 35.00

Flood results are based on local catchment events

Data Sources:

DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:

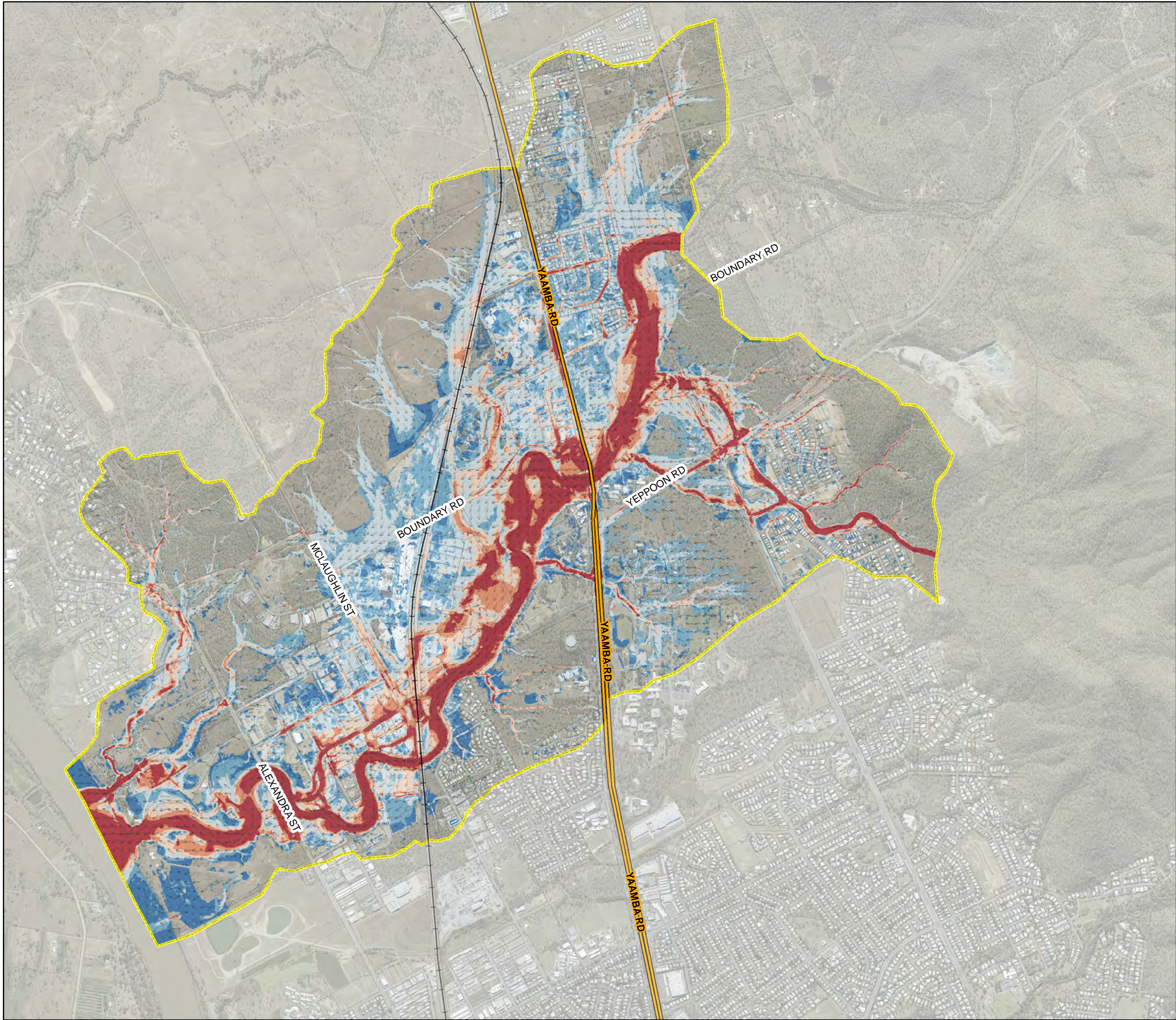
75mm Min. Depth
100m² Min. Area

Limestone Creek Model
Baseline Peak Flood Heights

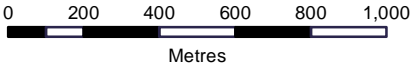
PMF 180min Storm Event

PROJECT ID	60534898	Map LC-53
CREATED BY	maulbyj	
LAST MODIFIED	17/07/2017	
VERSION:	1	

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DATUM GDA 1994, PROJECTION MGA ZONE 56



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LEGEND

- ↑ Flow Direction
- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

Peak Depth Averaged Velocity (m/s)

- < 0.25
- 0.25 - 0.50
- 0.51 - 1.00
- 1.01 - 1.50
- 1.51 - 2.00
- > 2.00

Flood results are based
on local catchment events

Data Sources:
DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:
75mm Min. Depth
100m² Min. Area

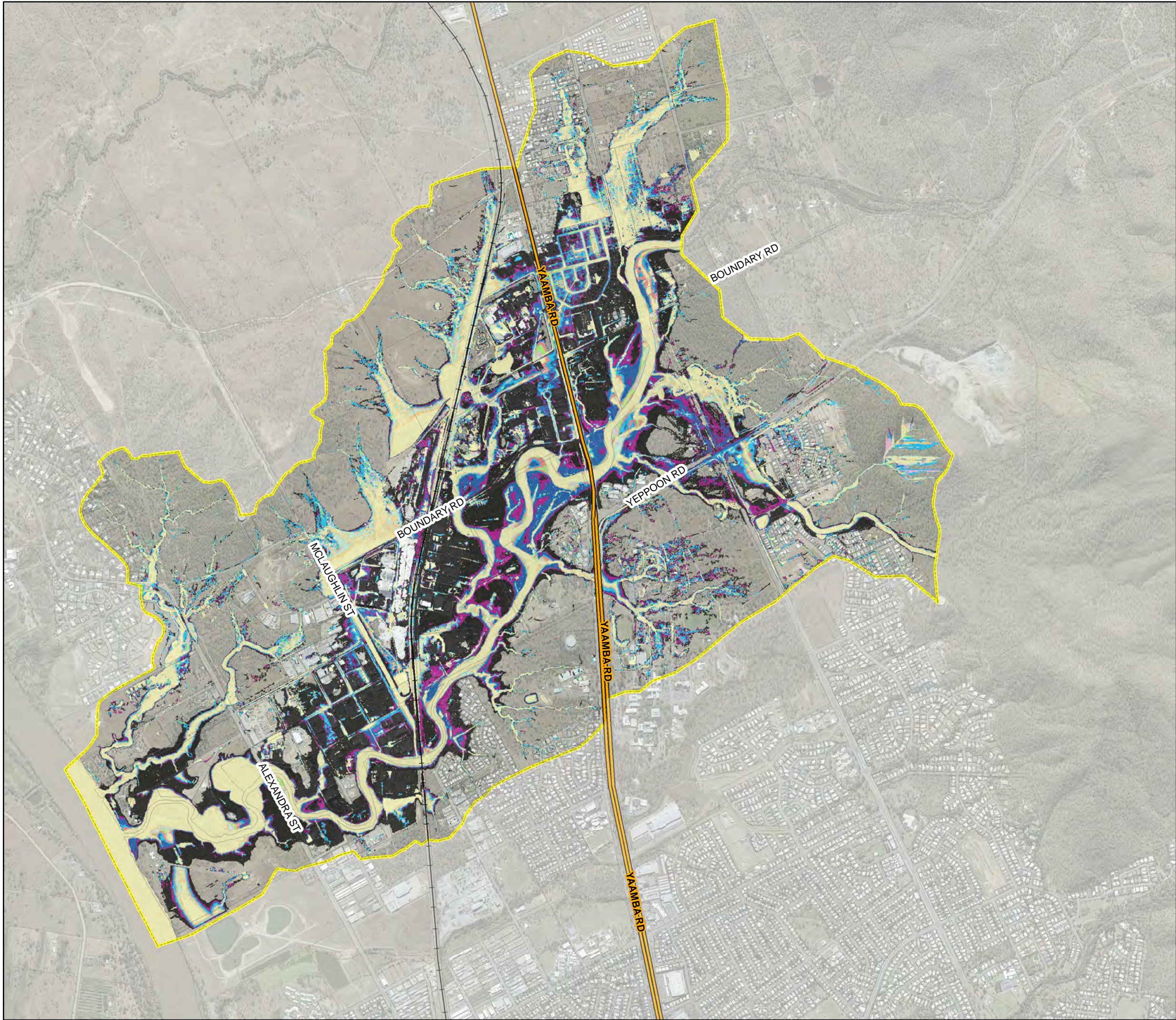
Limestone Creek Model
Baseline Peak Depth Averaged Velocities

PMF 180min Storm Event

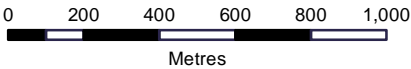
PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 17/07/2017
VERSION: 1

Map
LC-54

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LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent
- Depth Band**
- 1 EY
- 39% AEP
- 18% AEP
- 10% AEP
- 5% AEP
- 2% AEP
- 1% AEP
- 0.2% AEP
- 0.05% AEP
- PMF

**Flood results are based
on local catchment events**

Data Sources:

DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:

75mm Min. Depth
100m² Min. Area

Limestone Creek Model
Baseline Peak Flood Extent

180min Storm Event

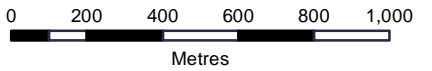
PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 17/07/2017
VERSION: 1

Map
LC-55

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LEGEND

- Highways
- Levee Alignment
- Railway Lines
- Cadastre
- Hydraulic Model Extent

Difference in Height (m)

- < -0.3
- 0.3 to -0.225
- 0.225 to -0.15
- 0.15 to -0.075
- 0.075 to -0.02
- 0.02 to 0.02
- 0.02 to 0.075
- 0.075 to 0.15
- 0.15 to 0.225
- 0.225 to 0.3
- > 0.3
- Was Dry Now Wet*
- Was Wet Now Dry

**Flood results are based
on local catchment events**

Data Sources:

DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:

75mm Min. Depth
100m² Min. Area

Limestone Creek Model
Difference in Peak Flood Heights
15% Increased Roughness minus Baseline

1% AEP 180min Storm Event

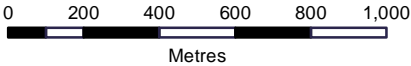
PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 17/07/2017
VERSION: 1

Map
LC-56

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LEGEND

- Highways
- Railway Lines
- Cadastral
- Hydraulic Model Extent
- Difference in Height (m)**
 - < -0.3
 - 0.3 to -0.225
 - 0.225 to -0.15
 - 0.15 to -0.075
 - 0.075 to -0.02
 - 0.02 to 0.02
 - 0.02 to 0.075
 - 0.075 to 0.15
 - 0.15 to 0.225
 - 0.225 to 0.3
 - > 0.3
- Was Dry Now Wet*
- Was Wet Now Dry

Flood results are based on local catchment events

Data Sources: DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering: 75mm Min. Depth
100m² Min. Area

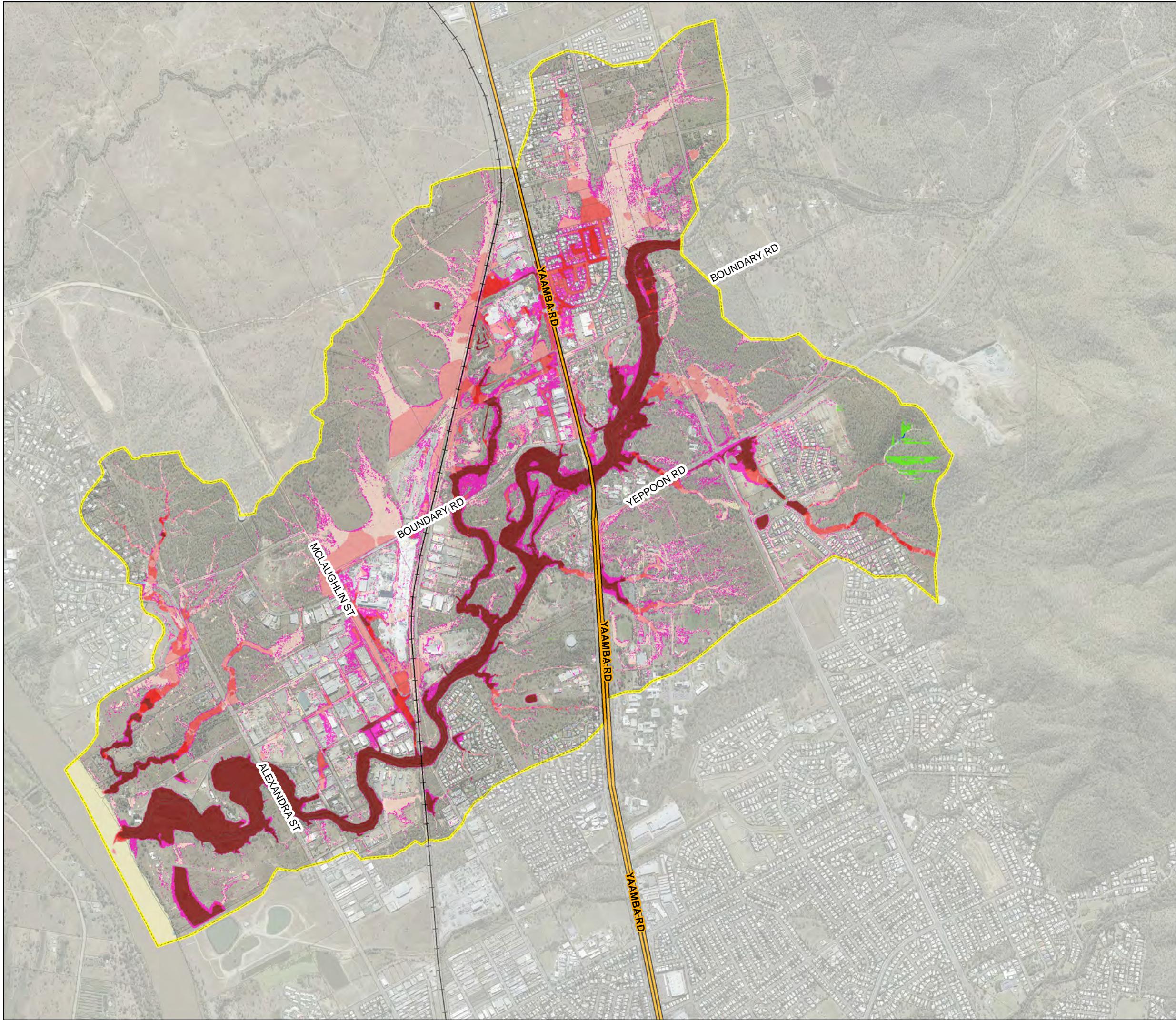
Limestone Creek Model
Difference in Peak Flood Heights
15% Decreased Roughness minus Baseline

1% AEP 180min Storm Event

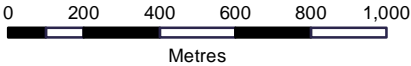
PROJECT ID: 60534898
CREATED BY: maultbyj
LAST MODIFIED: 17/07/2017
VERSION: 1

Map
LC-57

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LEGEND

- Highways
 - Railway Lines
 - Cadastre
 - Hydraulic Model Extent
- Difference in Height (m)**
- < -0.3
 - 0.3 to -0.225
 - 0.225 to -0.15
 - 0.15 to -0.075
 - 0.075 to -0.02
 - 0.02 to 0.02
 - 0.02 to 0.075
 - 0.075 to 0.15
 - 0.15 to 0.225
 - 0.225 to 0.3
 - > 0.3
 - Was Dry Now Wet*
 - Was Wet Now Dry

**Flood results are based
on local catchment events**

Data Sources:

DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:

75mm Min. Depth
100m² Min. Area

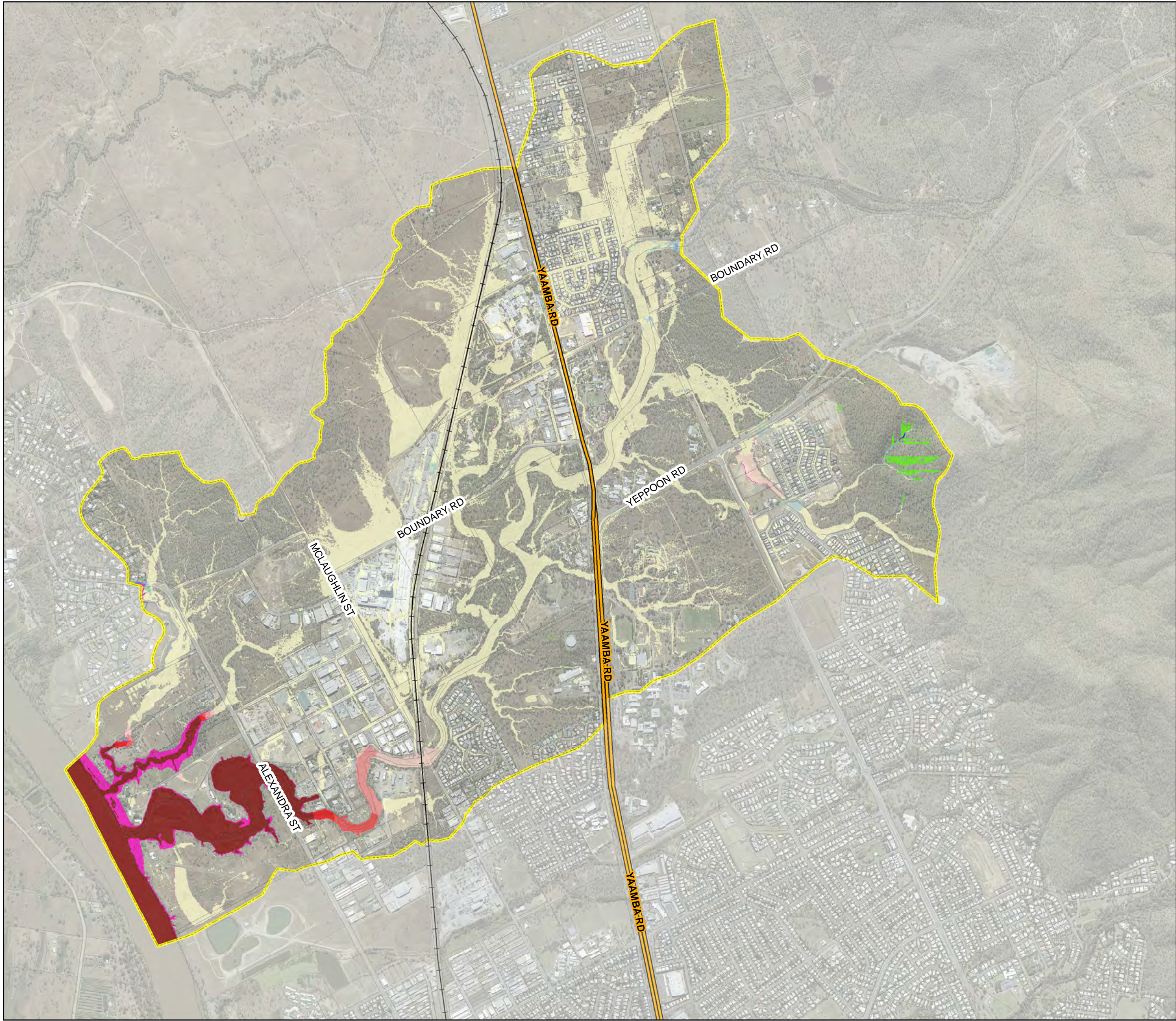
Limestone Creek Model
Difference in Peak Flood Heights
Climate Change to 2100 minus Baseline

1% AEP 180min Storm Event

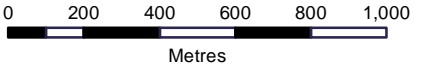
PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 17/07/2017
VERSION: 1

Map
LC-58

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(when printed at A3)



LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

Difference in Height (m)

- < -0.3
- 0.3 to -0.225
- 0.225 to -0.15
- 0.15 to -0.075
- 0.075 to -0.02
- 0.02 to 0.02
- 0.02 to 0.075
- 0.075 to 0.15
- 0.15 to 0.225
- 0.225 to 0.3
- > 0.3
- Was Dry Now Wet*
- Was Wet Now Dry

**Flood results are based
on local catchment events**

Data Sources:

DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:

75mm Min. Depth
100m² Min. Area

Limestone Creek Model
Difference in Peak Flood Heights
18% AEP Fitzroy River Tailwater Level
minus Baseline

1% AEP 180min Storm Event

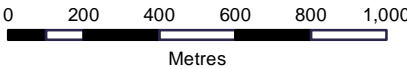
PROJECT ID 60534898
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VERSION: 1

Map
LC-59

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LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

Difference in Height (m)

- < -0.3
- 0.3 to -0.225
- 0.225 to -0.15
- 0.15 to -0.075
- 0.075 to -0.02
- 0.02 to 0.02
- 0.02 to 0.075
- 0.075 to 0.15
- 0.15 to 0.225
- 0.225 to 0.3
- > 0.3
- Was Dry Now Wet*
- Was Wet Now Dry

**Flood results are based
on local catchment events**

Data Sources:
DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:
75mm Min. Depth
100m² Min. Area

Limestone Creek Model
Difference in Peak Flood Heights
20% Stormwater Infrastructure Blockage
minus Baseline

18% AEP 180min Storm Event

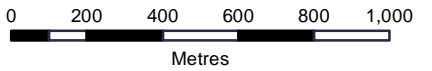
PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 17/07/2017
VERSION: 1

Map
LC-60

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LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent
- Difference in Height (m)**
 - < -0.3
 - 0.3 to -0.225
 - 0.225 to -0.15
 - 0.15 to -0.075
 - 0.075 to -0.02
 - 0.02 to 0.02
 - 0.02 to 0.075
 - 0.075 to 0.15
 - 0.15 to 0.225
 - 0.225 to 0.3
 - > 0.3
- Was Dry Now Wet*
- Was Wet Now Dry

**Flood results are based
on local catchment events**

Data Sources:

DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:

75mm Min. Depth
100m² Min. Area

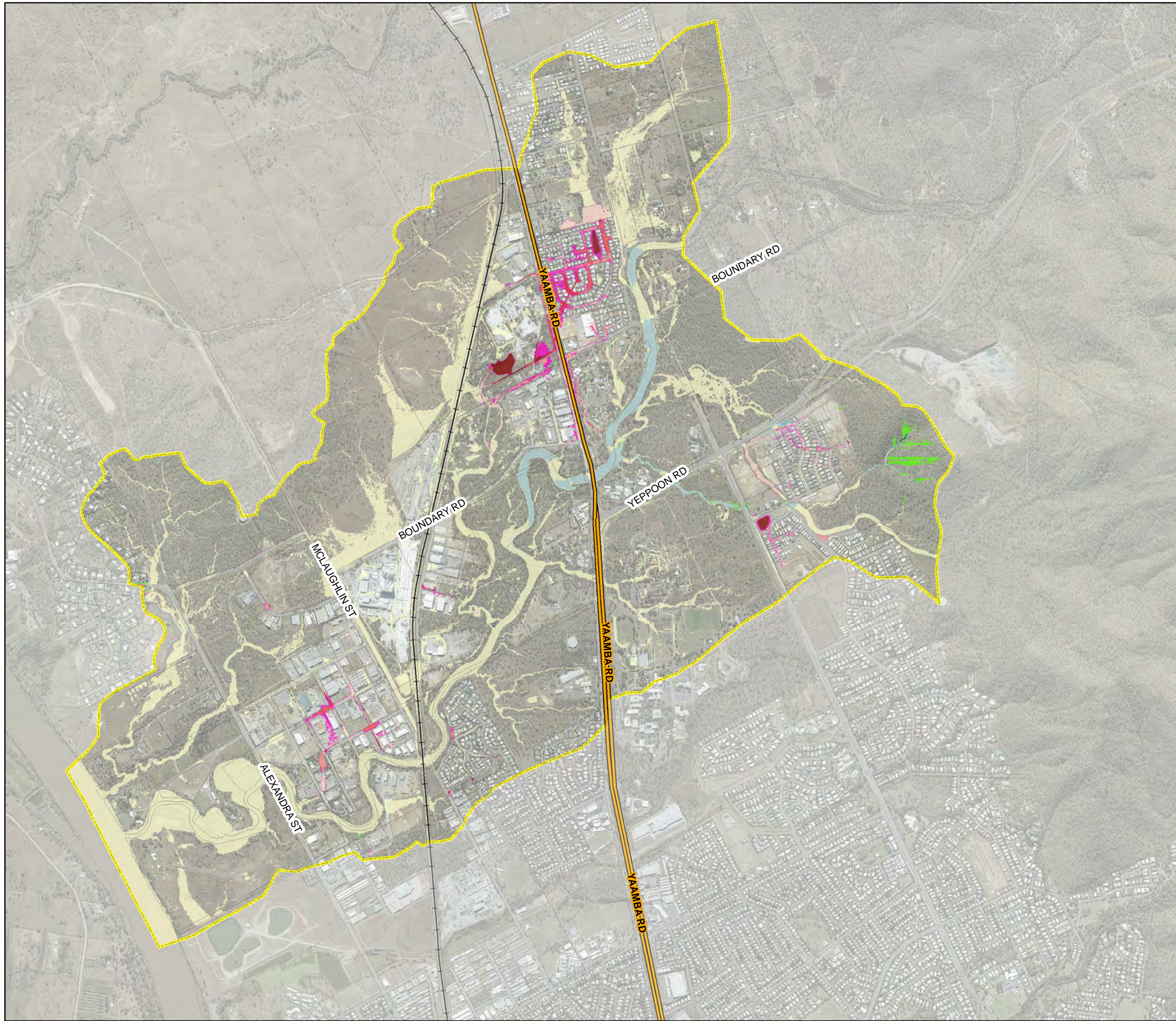
Limestone Creek Model
Difference in Peak Flood Heights
50% Stormwater Infrastructure Blockage
minus Baseline



18% AEP 180min Storm Event

PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 17/07/2017
VERSION: 1

Map
LC-61

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DATUM GDA 1994, PROJECTION MGA ZONE 56

0 200 400 600 800 1,000

Metres

1:20,000
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LEGEND

- Highways
- Railway Lines
- Cadastral
- Hydraulic Model Extent

Difference in Height (m)

- < -0.3
- 0.3 to -0.225
- 0.225 to -0.15
- 0.15 to -0.075
- 0.075 to -0.02
- 0.02 to 0.02
- 0.02 to 0.075
- 0.075 to 0.15
- 0.15 to 0.225
- 0.225 to 0.3
- > 0.3
- Was Dry Now Wet*
- Was Wet Now Dry

Flood results are based on local catchment events

Data Sources: DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering: 75mm Min. Depth
100m² Min. Area

Limestone Creek Model
Difference in Peak Flood Heights
100% Stormwater Infrastructure Blockage
minus Baseline

18% AEP 180min Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	17/07/2017
VERSION:	1

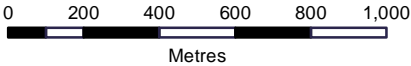
Map

LC-62

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LEGEND

- Highways
- Railway Lines
- Cadastral
- Hydraulic Model Extent

Difference in height (m)

- < -0.3
- 0.3 to -0.225
- 0.225 to -0.15
- 0.15 to -0.075
- 0.075 to -0.02
- 0.02 to 0.02
- 0.02 to 0.075
- 0.075 to 0.15
- 0.15 to 0.225
- 0.225 to 0.3
- > 0.3
- Was Dry Now Wet*
- Was Wet Now Dry

**Flood results are based
on local catchment events**

Data Sources:

DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:

75mm Min. Depth
100m² Min. Area

Limestone Creek Model
Difference in Peak Flood Heights
Increased Inlet Structure Dimensions
minus Baseline

18% AEP 180min Storm Event

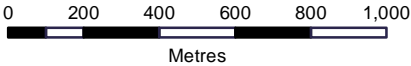
PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 17/07/2017
VERSION: 1

Map
LC-63

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DATUM GDA 1994, PROJECTION MGA ZONE 56



1:20,000
(when printed at A3)



LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent
- Difference in Height (m)**
 - < -0.3
 - 0.3 to -0.225
 - 0.225 to -0.15
 - 0.15 to -0.075
 - 0.075 to -0.02
 - 0.02 to 0.02
 - 0.02 to 0.075
 - 0.075 to 0.15
 - 0.15 to 0.225
 - 0.225 to 0.3
 - > 0.3
- Was Dry Now Wet*
- Was Wet Now Dry

**Flood results are based
on local catchment events**

Data Sources:

DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:

75mm Min. Depth
100m² Min. Area

Limestone Creek Model
Difference in Peak Flood Heights
Key Cross Drainage Culvert Blockage
minus Baseline

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