

South Rockhampton Local Catchment Study

Baseline Flooding and Hazard Assessment - Volume 2

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The South Rockhampton Local Catchment Study was jointly funded with the Department of Local Government, Racing and Multicultural Affairs through the Natural Disaster Resilience Program. The joint project aimed to enhance understanding of localised flood behaviour, along with options for management of the local flood impacts for improved flood resilience in South Rockhampton.

Client: Rockhampton Regional Council

ABN: 59 923 523 766

Prepared by

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Explanatory Notes and Disclaimer

These maps are to be read in conjunction with the South Rockhampton 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 South Rockhampton 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 South Rockhampton 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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2. Using the map/s and associated data for any purpose not agreed to in writing by Rockhampton Regional Council.

Baseline Mapping

Map Number	Title
SR-01	Peak Flood Depths (1 EY 120m Storm Event)
SR-02	Peak Flood Heights (1 EY 120m Storm Event)
SR-03	Peak Depth Averaged Flood Velocity (1 EY 120m Storm Event)
SR-04	Peak Flood Depths (39% AEP 120m Storm Event)
SR-05	Peak Flood Heights (39% AEP 120m Storm Event)
SR-06	Peak Depth Averaged Flood Velocity (39% AEP 120m Storm Event)
SR-07	Peak Flood Depths (18% AEP 120m Storm Event) Overview
SR-08	Peak Flood Depths (18% AEP 120m Storm Event) Area 1
SR-09	Peak Flood Depths (18% AEP 120m Storm Event) Area 2
SR-10	Peak Flood Depths (18% AEP 120m Storm Event) Area 3
SR-11	Peak Flood Depths (18% AEP 120m Storm Event) Area 4
SR-12	Peak Flood Heights (18% AEP 120m Storm Event) Overview
SR-13	Peak Flood Heights (18% AEP 120m Storm Event) Area 1
SR-14	Peak Flood Heights (18% AEP 120m Storm Event) Area 2
SR-15	Peak Flood Heights (18% AEP 120m Storm Event) Area 3
SR-16	Peak Flood Heights (18% AEP 120m Storm Event) Area 4
SR-17	Peak Depth Averaged Flood Velocity (18% AEP 120m Storm Event) Overview
SR-18	Peak Depth Averaged Flood Velocity (18% AEP 120m Storm Event) Area 1
SR-19	Peak Depth Averaged Flood Velocity (18% AEP 120m Storm Event) Area 2
SR-20	Peak Depth Averaged Flood Velocity (18% AEP 120m Storm Event) Area 3
SR-21	Peak Depth Averaged Flood Velocity (18% AEP 120m Storm Event) Area 4
SR-22	Peak Flood Depths (10% AEP 120m Storm Event)
SR-23	Peak Flood Heights (10% AEP 120m Storm Event)
SR-24	Peak Depth Averaged Flood Velocity (10% AEP 120m Storm Event)
SR-25	Peak Flood Depths (5% AEP 120m Storm Event)
SR-26	Peak Flood Heights (5% AEP 120m Storm Event)
SR-27	Peak Depth Averaged Flood Velocity (5% AEP 120m Storm Event)
SR-28	Peak Flood Depths (2% AEP 120m Storm Event)
SR-29	Peak Flood Heights (2% AEP 120m Storm Event)
SR-30	Peak Depth Averaged Flood Velocity (2% AEP 120m Storm Event)
SR-31	Peak Flood Depths (1% AEP across multiple storm durations) Overview
SR-32	Peak Flood Depths (1% AEP across multiple storm durations) Area 1
SR-33	Peak Flood Depths (1% AEP across multiple storm durations) Area 2
SR-34	Peak Flood Depths (1% AEP across multiple storm durations) Area 3
SR-35	Peak Flood Depths (1% AEP across multiple storm durations) Area 4

Map Number	Title
SR-36	Peak Flood Heights (1% AEP across multiple storm durations) Overview
SR-37	Peak Flood Heights (1% AEP across multiple storm durations) Area 1
SR-38	Peak Flood Heights (1% AEP across multiple storm durations) Area 2
SR-39	Peak Flood Heights (1% AEP across multiple storm durations) Area 3
SR-40	Peak Flood Heights (1% AEP across multiple storm durations) Area 4
SR-41	Peak Depth Averaged Flood Velocity (1% AEP across multiple storm durations) Overview
SR-42	Peak Depth Averaged Flood Velocity (1% AEP across multiple storm durations) Area 1
SR-43	Peak Depth Averaged Flood Velocity (1% AEP across multiple storm durations) Area 2
SR-44	Peak Depth Averaged Flood Velocity (1% AEP across multiple storm durations) Area 3
SR-45	Peak Depth Averaged Flood Velocity (1% AEP across multiple storm durations) Area 4
SR-46	Peak Flood Depths (0.2% AEP 120m Storm Event)
SR-47	Peak Flood Heights (0.2% AEP 120m Storm Event)
SR-48	Peak Depth Averaged Flood Velocity (0.2% AEP 120m Storm Event)
SR-49	Peak Flood Depths (0.05% AEP 120m Storm Event)
SR-50	Peak Flood Heights (0.05% AEP 120m Storm Event)
SR-51	Peak Depth Averaged Flood Velocity (0.05% AEP 120m Storm Event)
SR-52	Peak Flood Depths (PMF 120m Storm Event)
SR-53	Peak Flood Heights (PMF 120m Storm Event)
SR-54	Peak Depth Averaged Flood Velocity (PMF 120m Storm Event)
SR-55	Peak Flood Extent (120m Storm Event)

Sensitivity Analyses

Map Number	Title
SR-56	Difference in Peak Flood Height: 15% Increased Roughness minus Baseline (1% AEP 120min Storm Event)
SR-57	Difference in Peak Flood Height: 15% Decreased Roughness minus Baseline (1% AEP 120min Storm Event)
SR-58	Difference in Peak Flood Height: Climate Change to 2100 minus Baseline (1% AEP 120min Storm Event)
SR-59	Difference in Peak Flood Height: 18% AEP Fitzroy River Tailwater Level minus Baseline (1% AEP 120min Storm Event)
SR-60	Difference in Peak Flood Height: 20% Stormwater Infrastructure Blockage minus Baseline (18% AEP 120min Storm Event)
SR-61	Difference in Peak Flood Height: 50% Stormwater Infrastructure Blockage minus Baseline (18% AEP 120min Storm Event)
SR-62	Difference in Peak Flood Height: 100% Stormwater Infrastructure Blockage minus Baseline (18% AEP 120min Storm Event)
SR-63	Difference in Peak Flood Height: Increased Inlet Structure Dimensions minus Baseline (18% AEP 120min Storm Event)

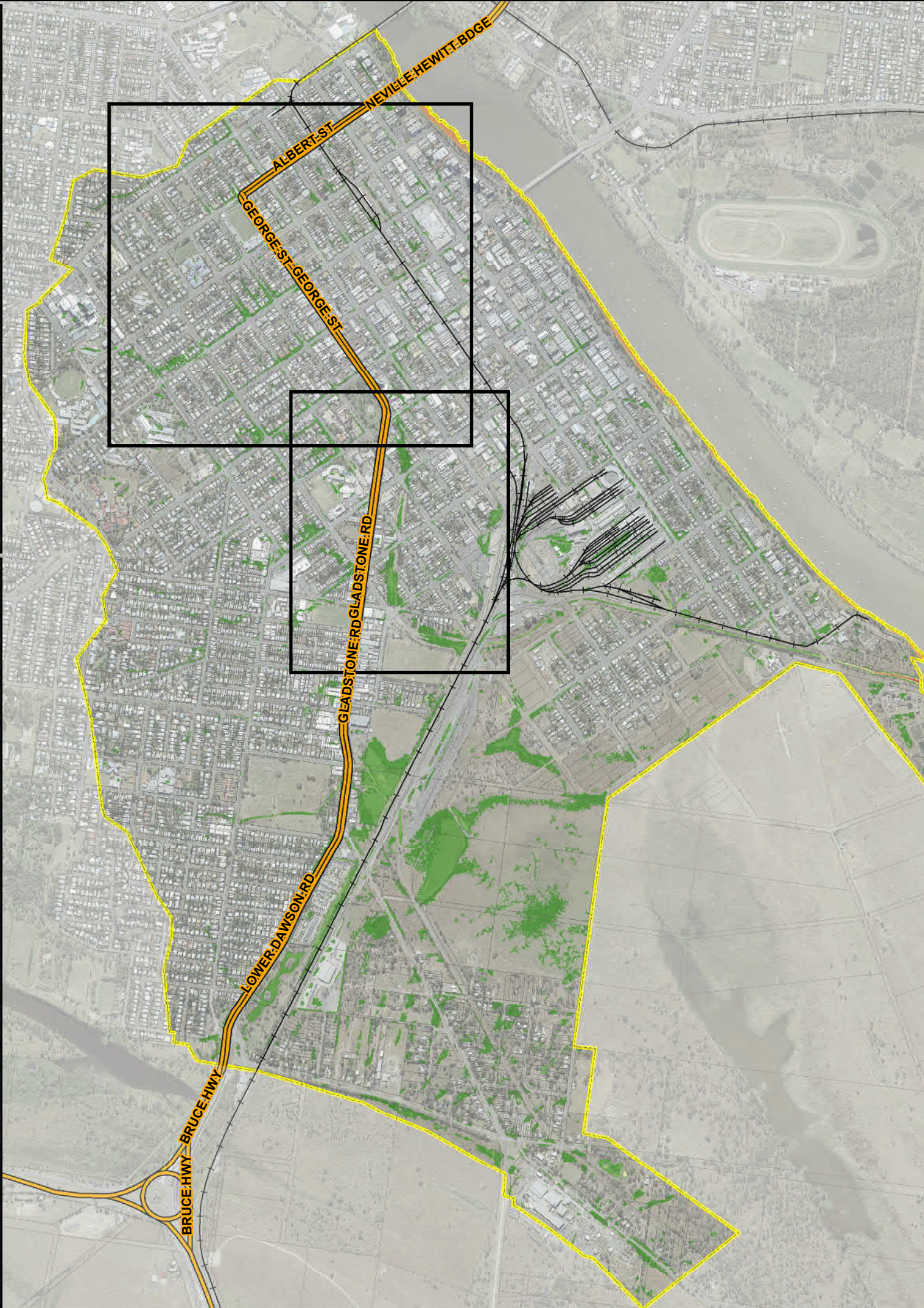
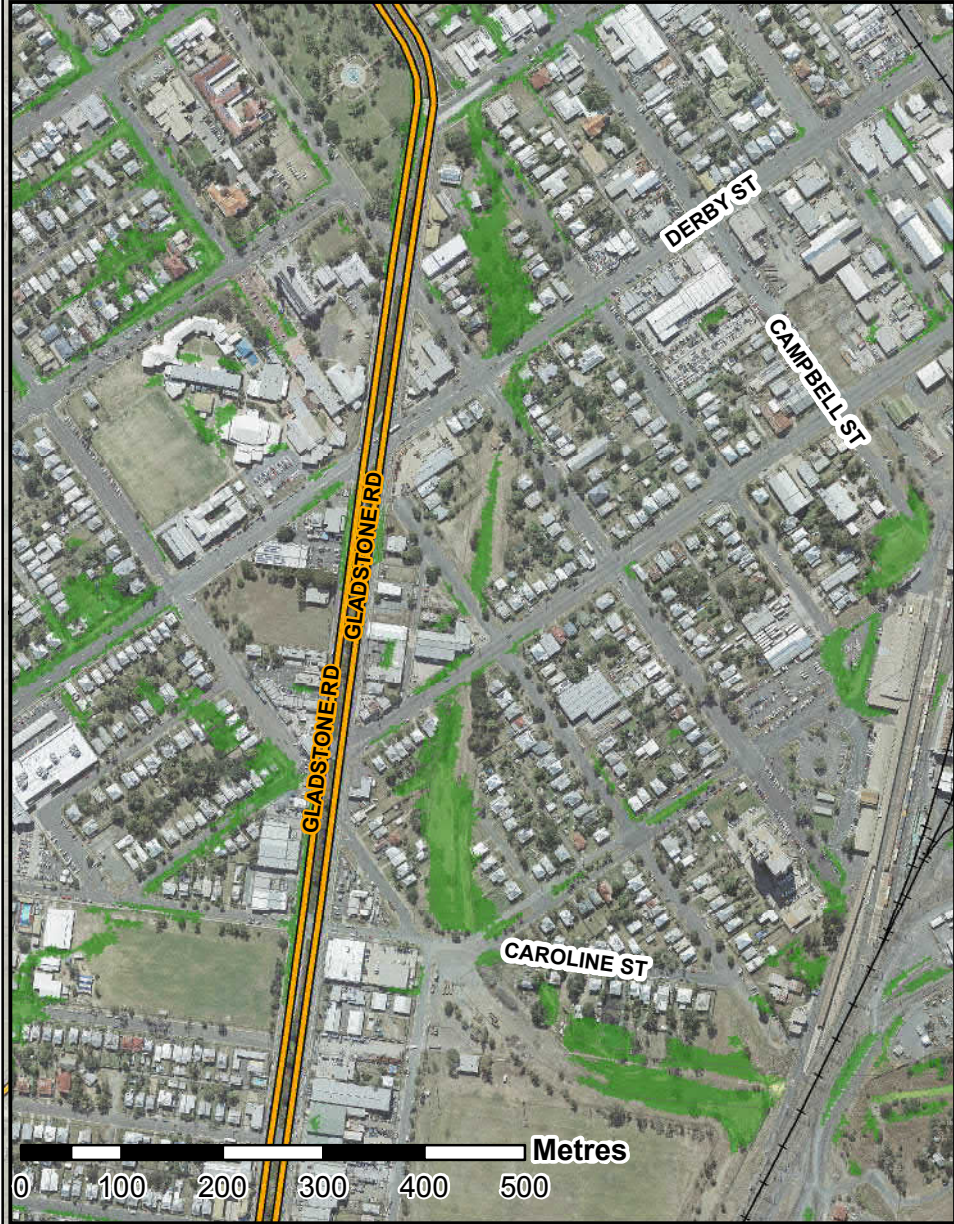
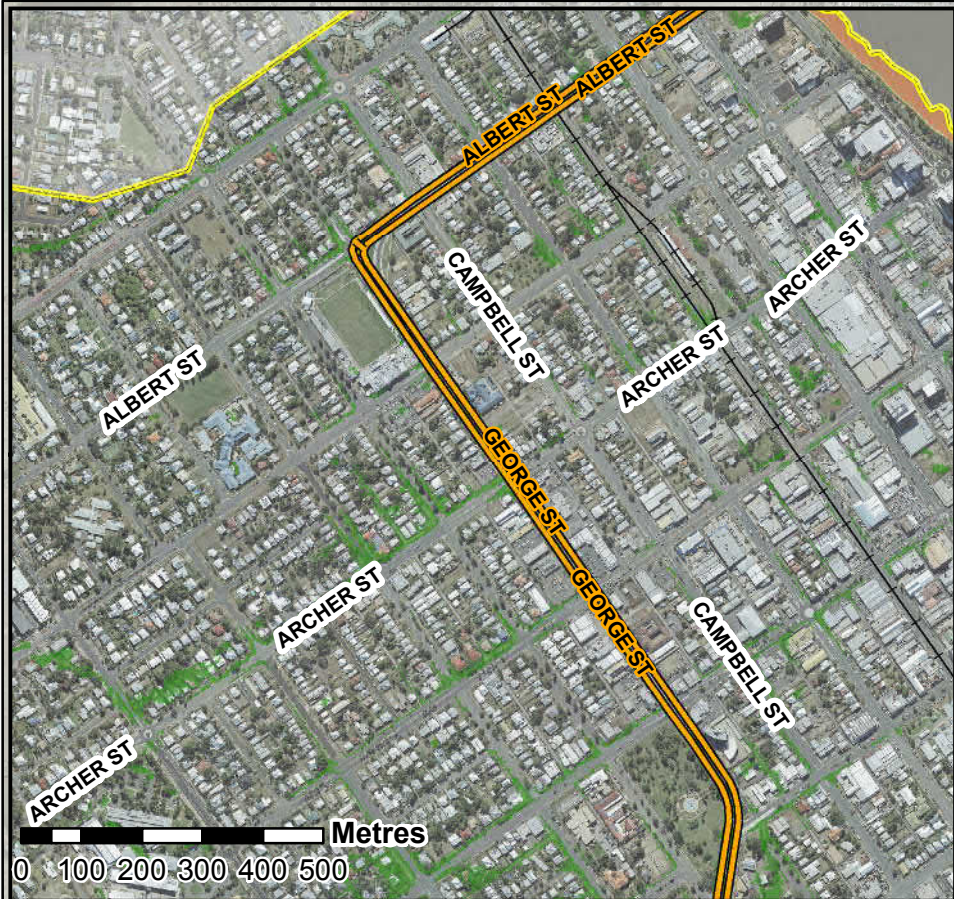
Flood Hazard



Map Number	Title
SR-64	Baseline Flood Hazard (18% AEP 120 min Storm Event) Overview
SR-65	Baseline Flood Hazard (18% AEP 120 min Storm Event) Area 1
SR-66	Baseline Flood Hazard (18% AEP 120 min Storm Event) Area 2
SR-67	Baseline Flood Hazard (18% AEP 120 min Storm Event) Area 3
SR-68	Baseline Flood Hazard (18% AEP 120 min Storm Event) Area 4
SR-69	Baseline Flood Hazard (1% AEP across multiple storm durations) Overview
SR-70	Baseline Flood Hazard (1% AEP across multiple storm durations) Area 1
SR-71	Baseline Flood Hazard (1% AEP across multiple storm durations) Area 2
SR-72	Baseline Flood Hazard (1% AEP across multiple storm durations) Area 3
SR-73	Baseline Flood Hazard (1% AEP across multiple storm durations) Area 4

Sewerage Infrastructure

Map Number	Title
SR-74	Baseline Sewerage Infrastructure Flood Risk (18% AEP 120 min Storm Event and 1% AEP Across Multiple Storm Durations) Overview
SR-75	Baseline Sewerage Infrastructure Flood Risk (18% AEP 120 min Storm Event and 1% AEP Across Multiple Storm Durations) Area 1
SR-76	Baseline Sewerage Infrastructure Flood Risk (18% AEP 120 min Storm Event and 1% AEP Across Multiple Storm Durations) Area 2
SR-77	Baseline Sewerage Infrastructure Flood Risk (18% AEP 120 min Storm Event and 1% AEP Across Multiple Storm Durations) Area 3
SR-78	Baseline Sewerage Infrastructure Flood Risk (18% AEP 120 min Storm Event and 1% AEP Across Multiple Storm Durations) Area 4

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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

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

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

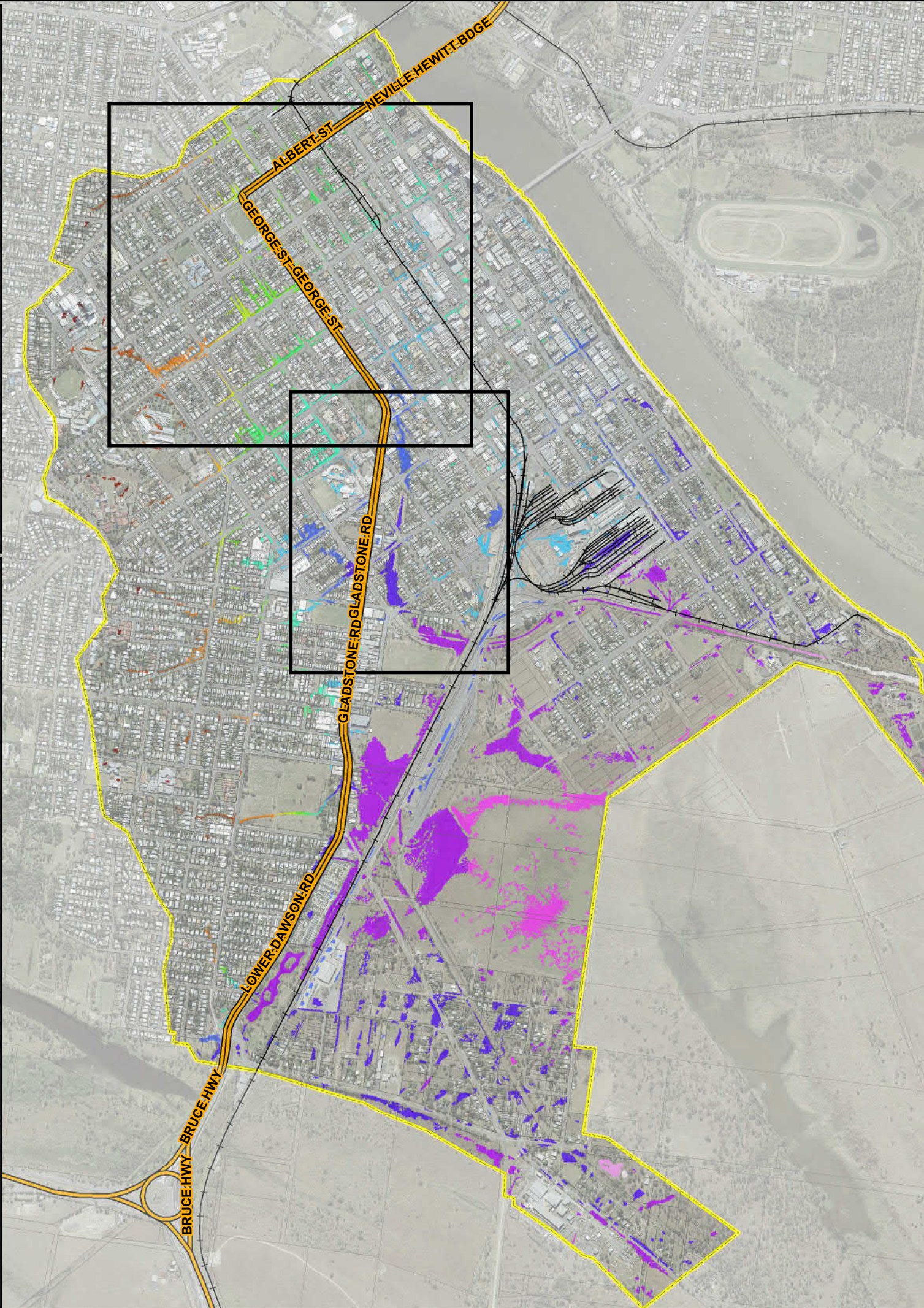
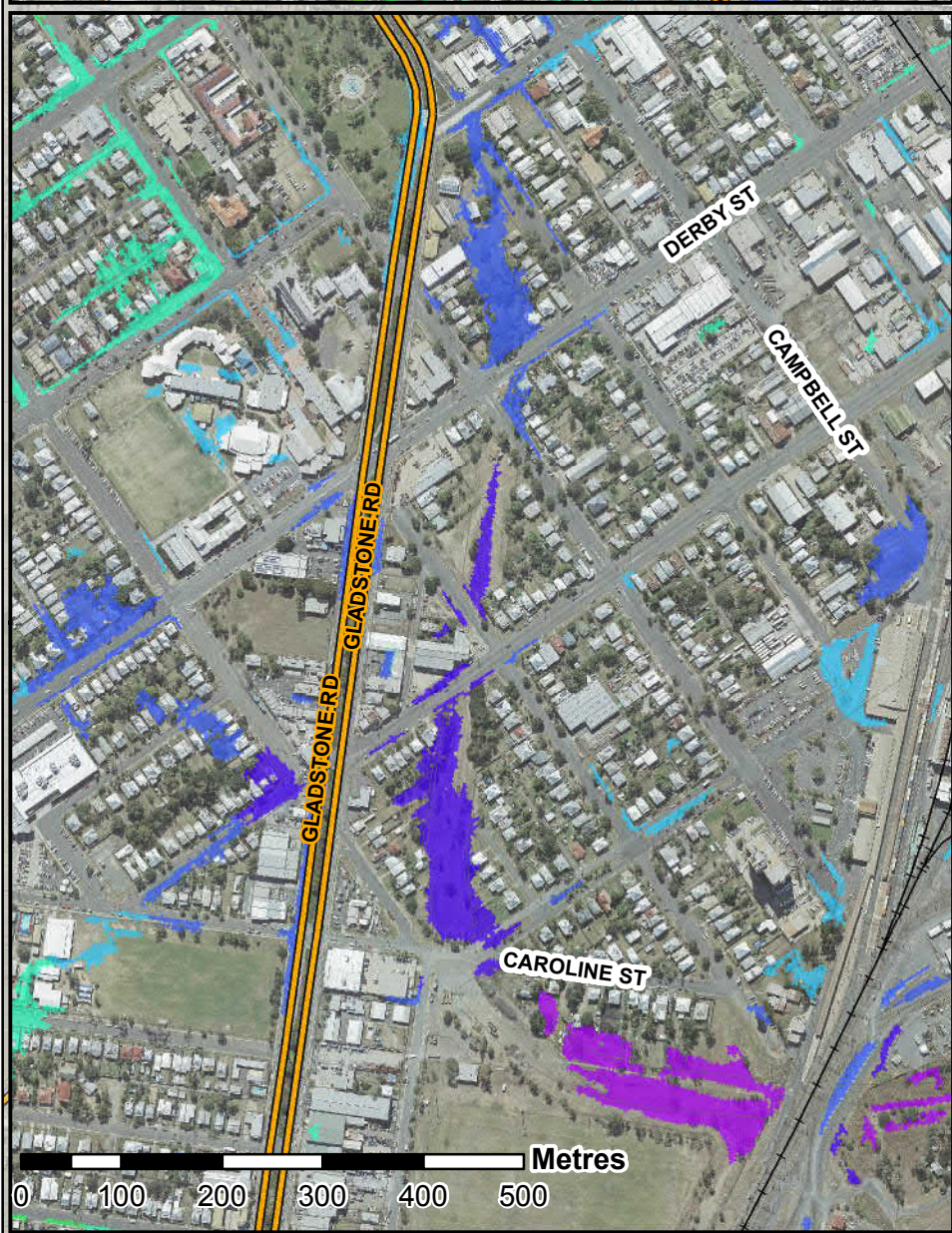
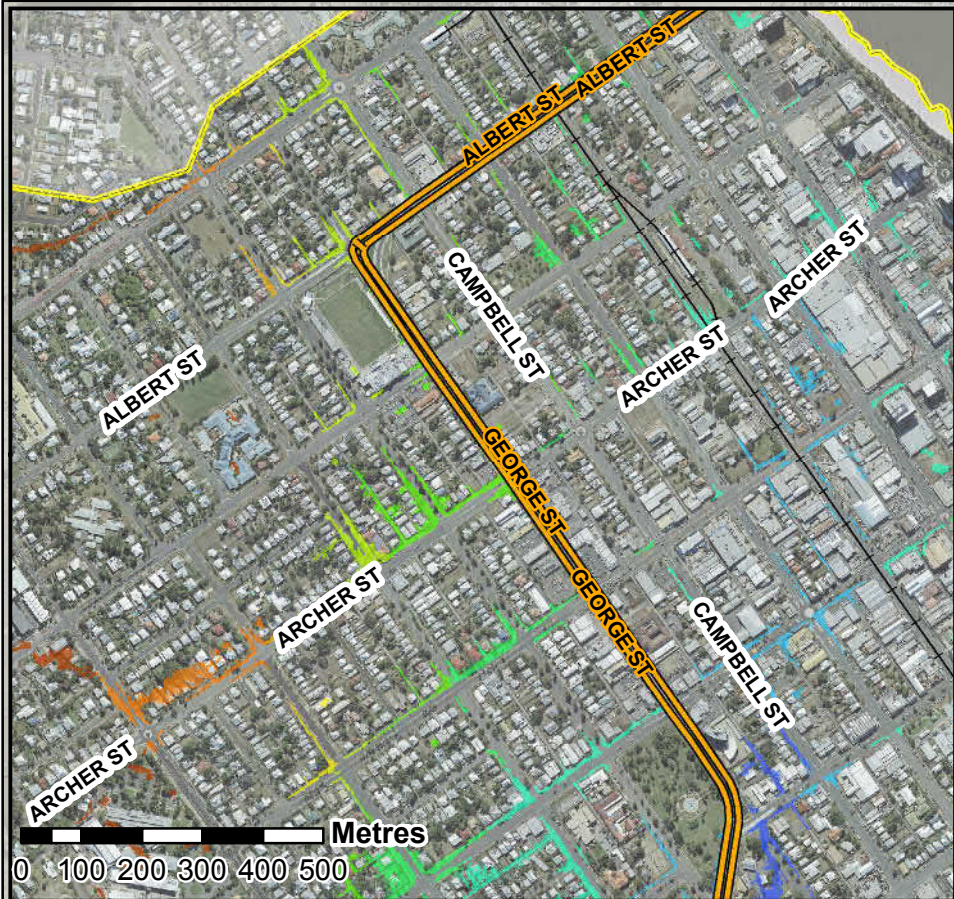
**South Rockhampton Model
Peak Flood Depths**



1 EY 120m Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	5/06/2017
VERSION:	2

**Map
SR-01**

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LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

Peak Flood Height (mAHD)

< 3.00
3.01 - 4.00
4.01 - 5.00
5.01 - 6.00
6.01 - 7.00
7.01 - 8.00
8.01 - 9.00
9.01 - 10.00
10.01 - 11.00
11.01 - 12.00
12.01 - 13.00
13.01 - 14.00
14.01 - 15.00
15.01 - 20.00
20.01 - 30.00
> 30.00

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

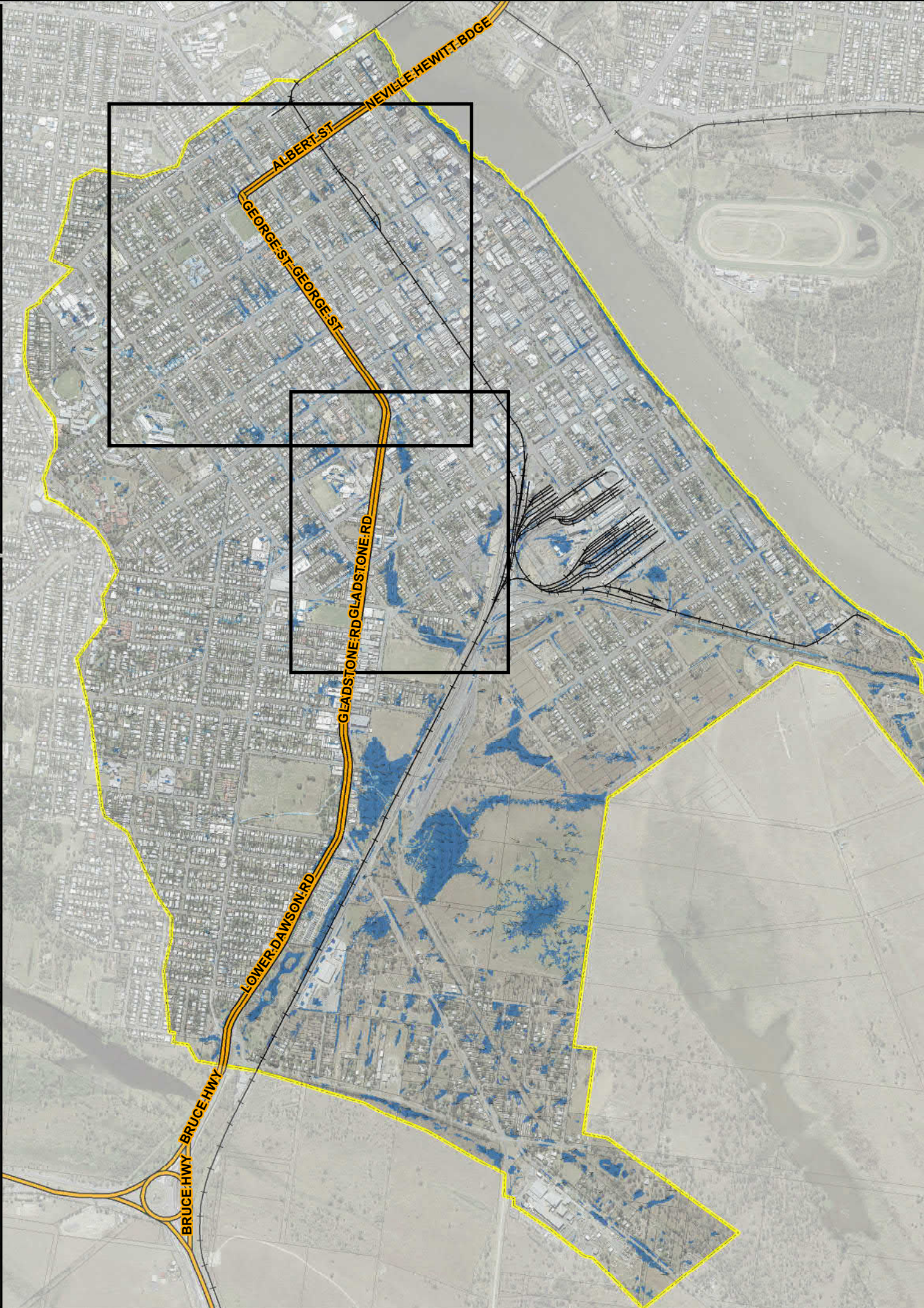
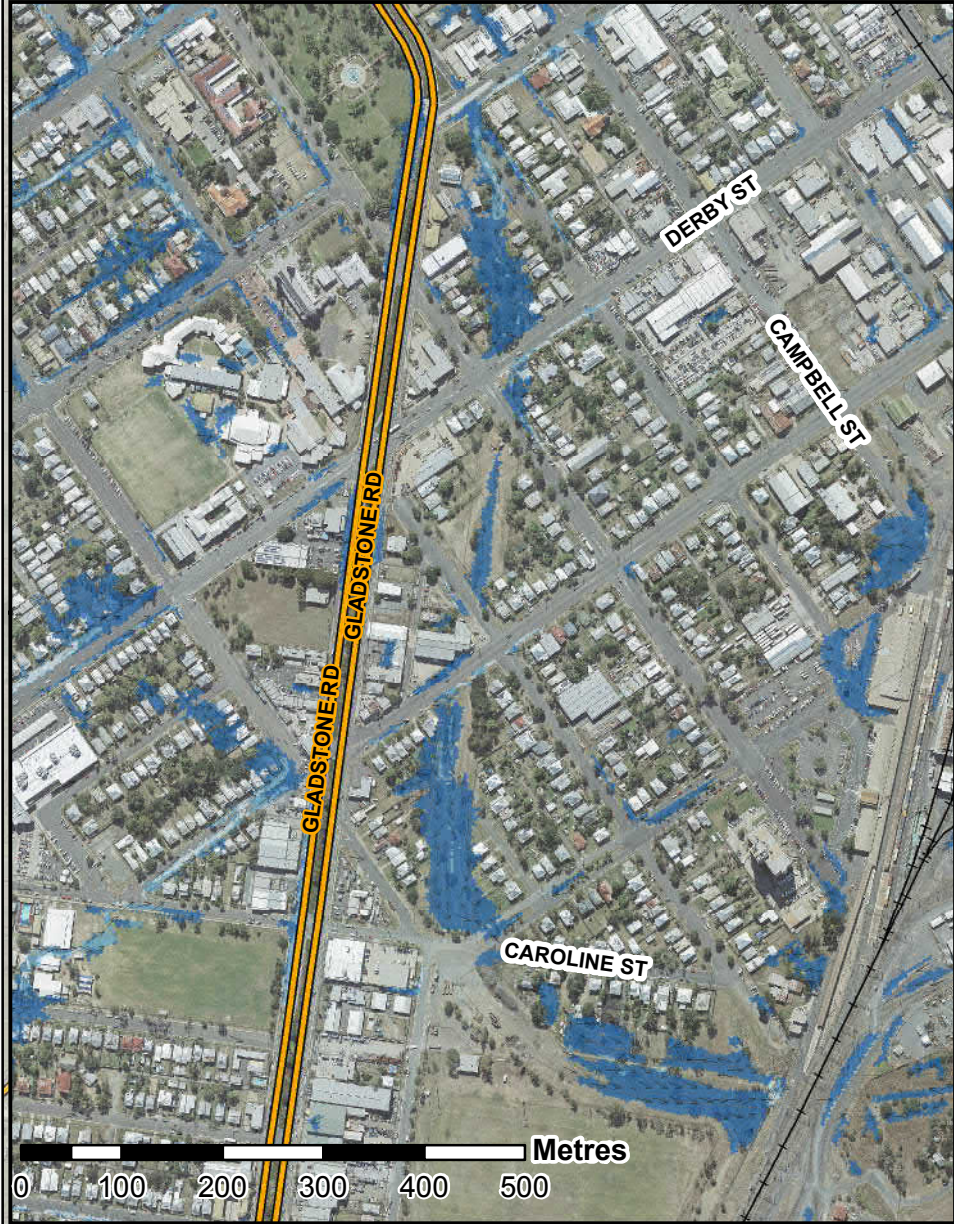
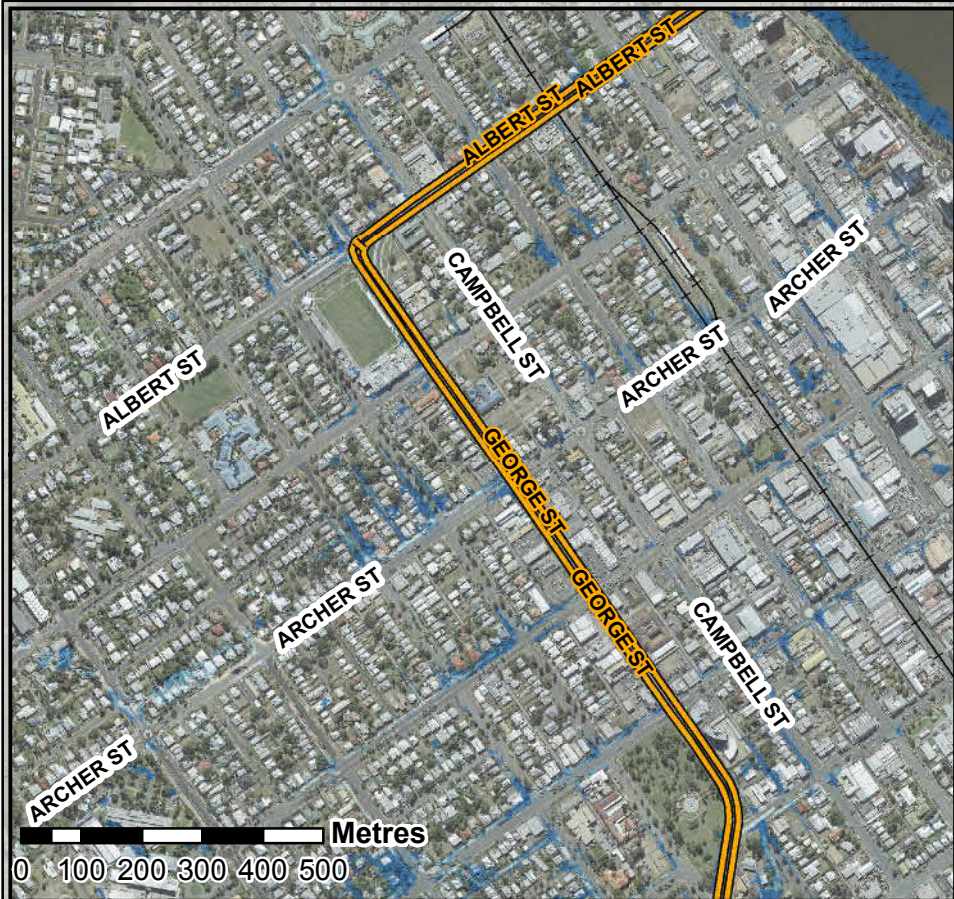
**South Rockhampton Model
Peak Flood Heights**



1 EY 120m Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	5/06/2017
VERSION:	2

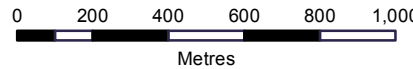
**Map
SR-02**

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


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Metres

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(when printed at A3)









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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

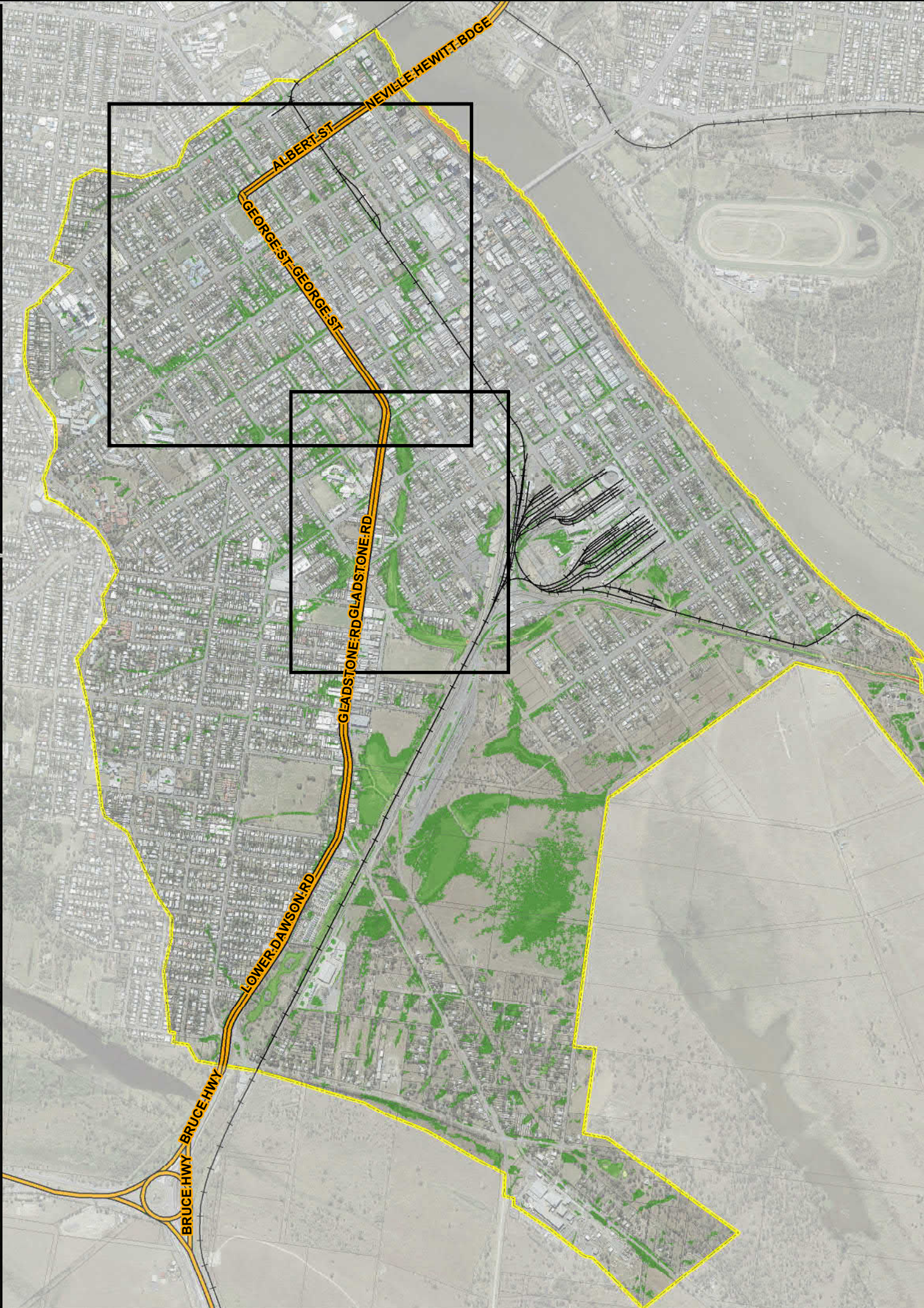
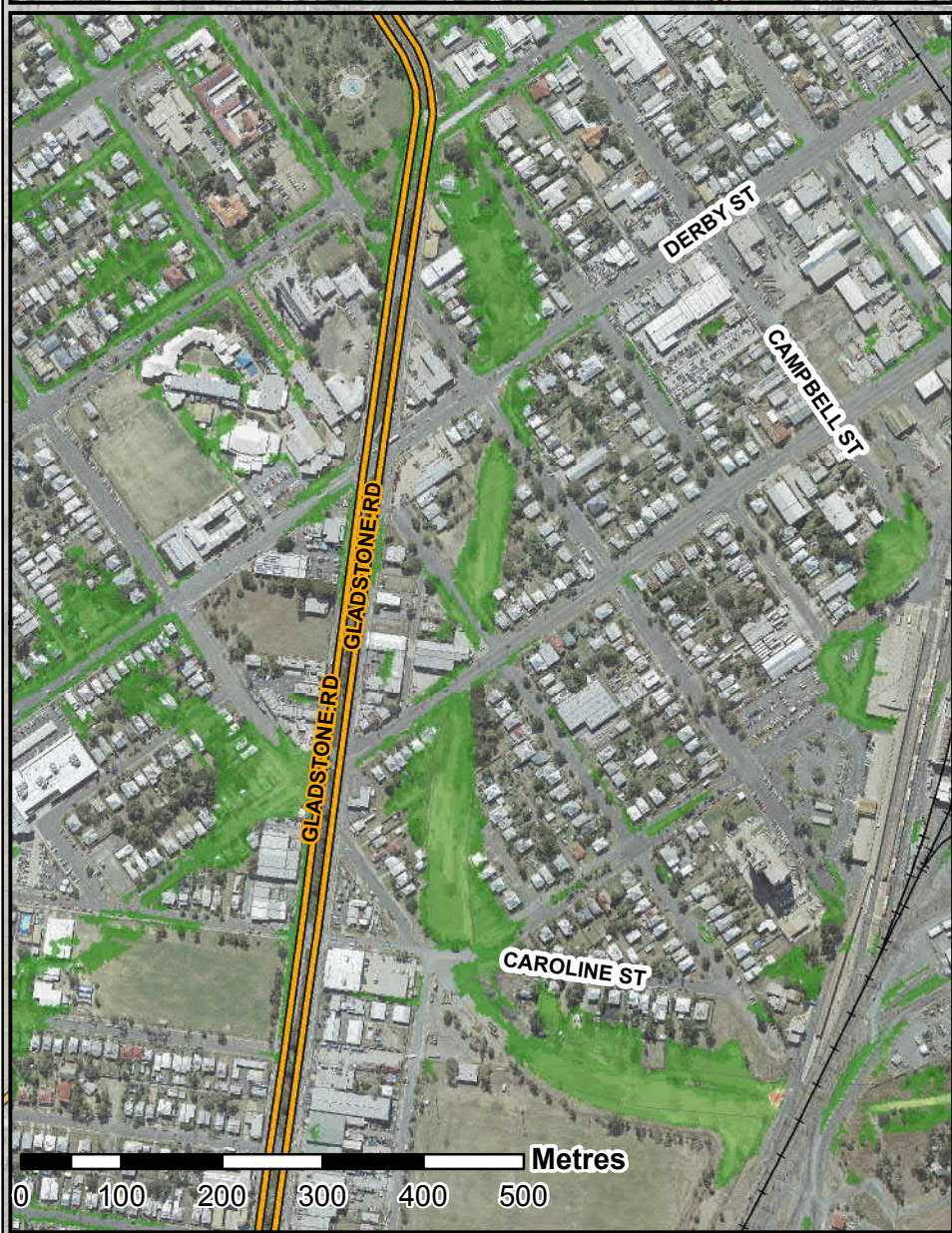
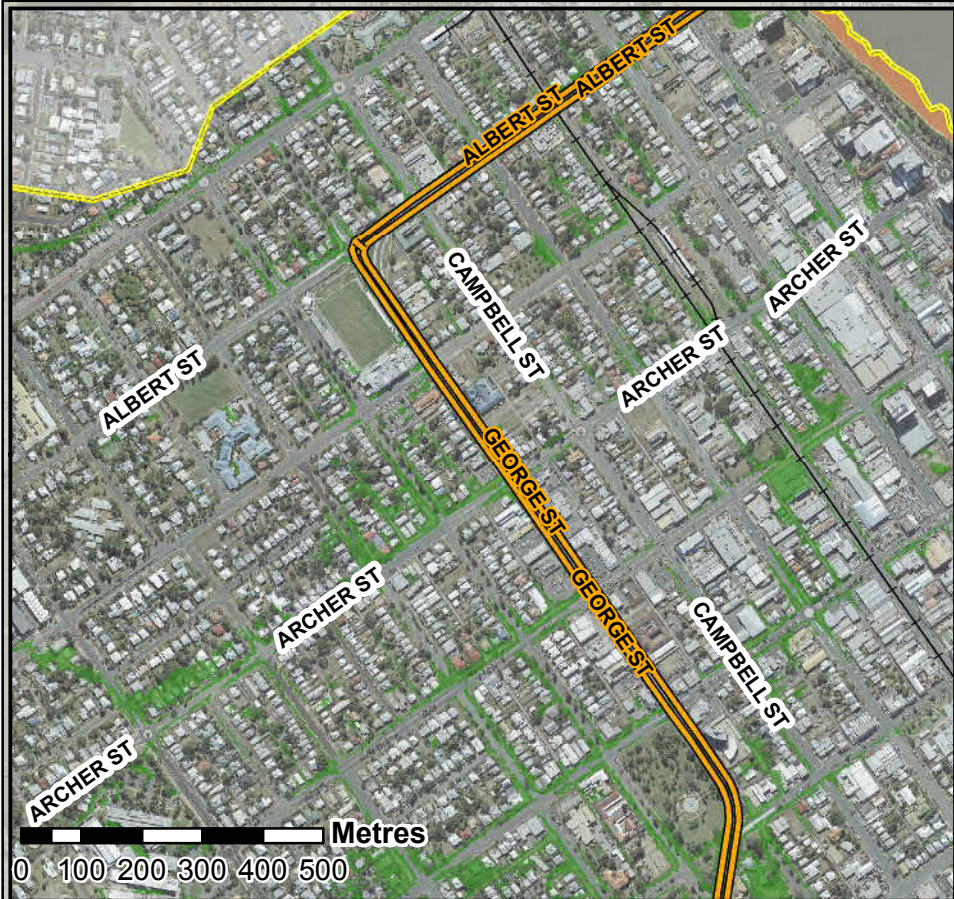
Results Filtering: 75mm Min. Depth
100m² Min. Area



South Rockhampton Model
Peak Depth Averaged Flood Velocity
1 EY 120m Storm Event

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Map
SR-03

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Metres

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LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

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

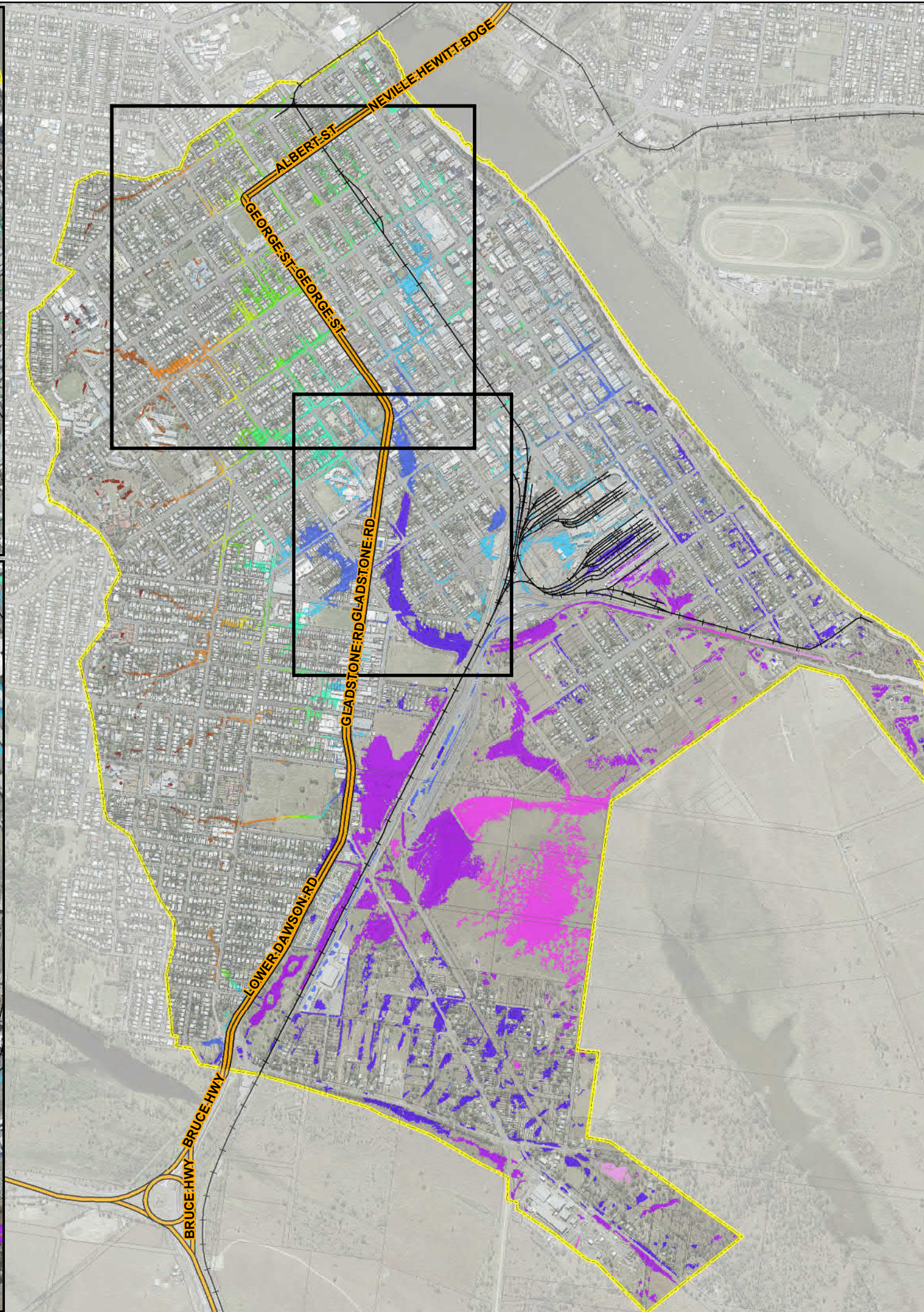
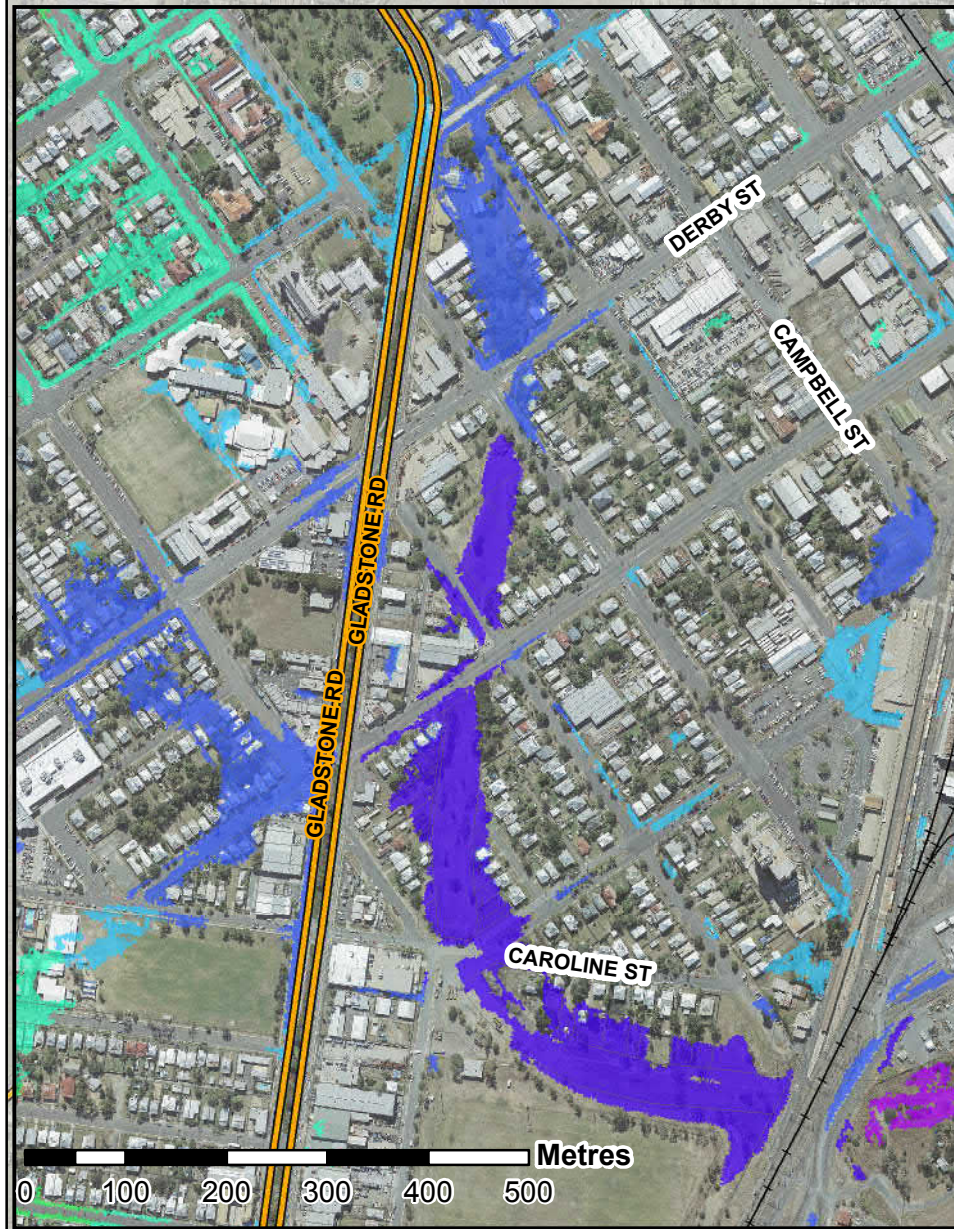
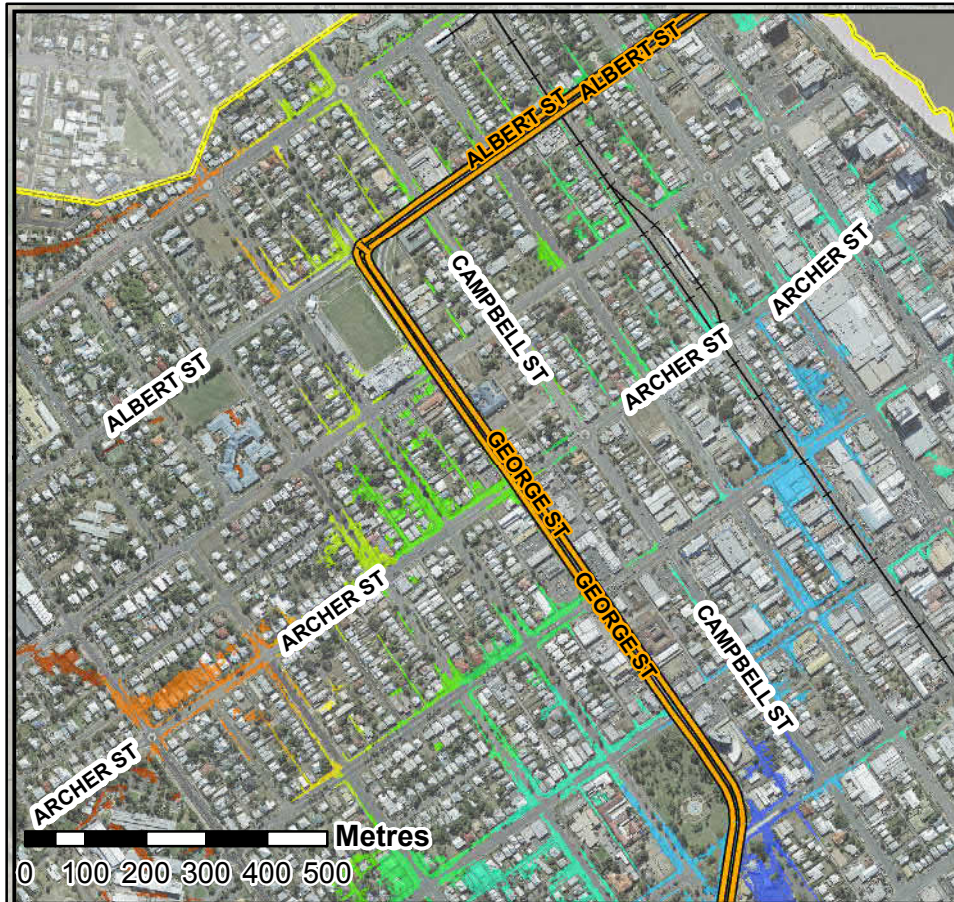
**South Rockhampton Model
Peak Flood Depths**



39% AEP 120m Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	5/06/2017
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**Map
SR-04**

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Metres

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LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

Peak Flood Height (mAHD)

< 3.00
3.01 - 4.00
4.01 - 5.00
5.01 - 6.00
6.01 - 7.00
7.01 - 8.00
8.01 - 9.00
9.01 - 10.00
10.01 - 11.00
11.01 - 12.00
12.01 - 13.00
13.01 - 14.00
14.01 - 15.00
15.01 - 20.00
20.01 - 30.00
> 30.00

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

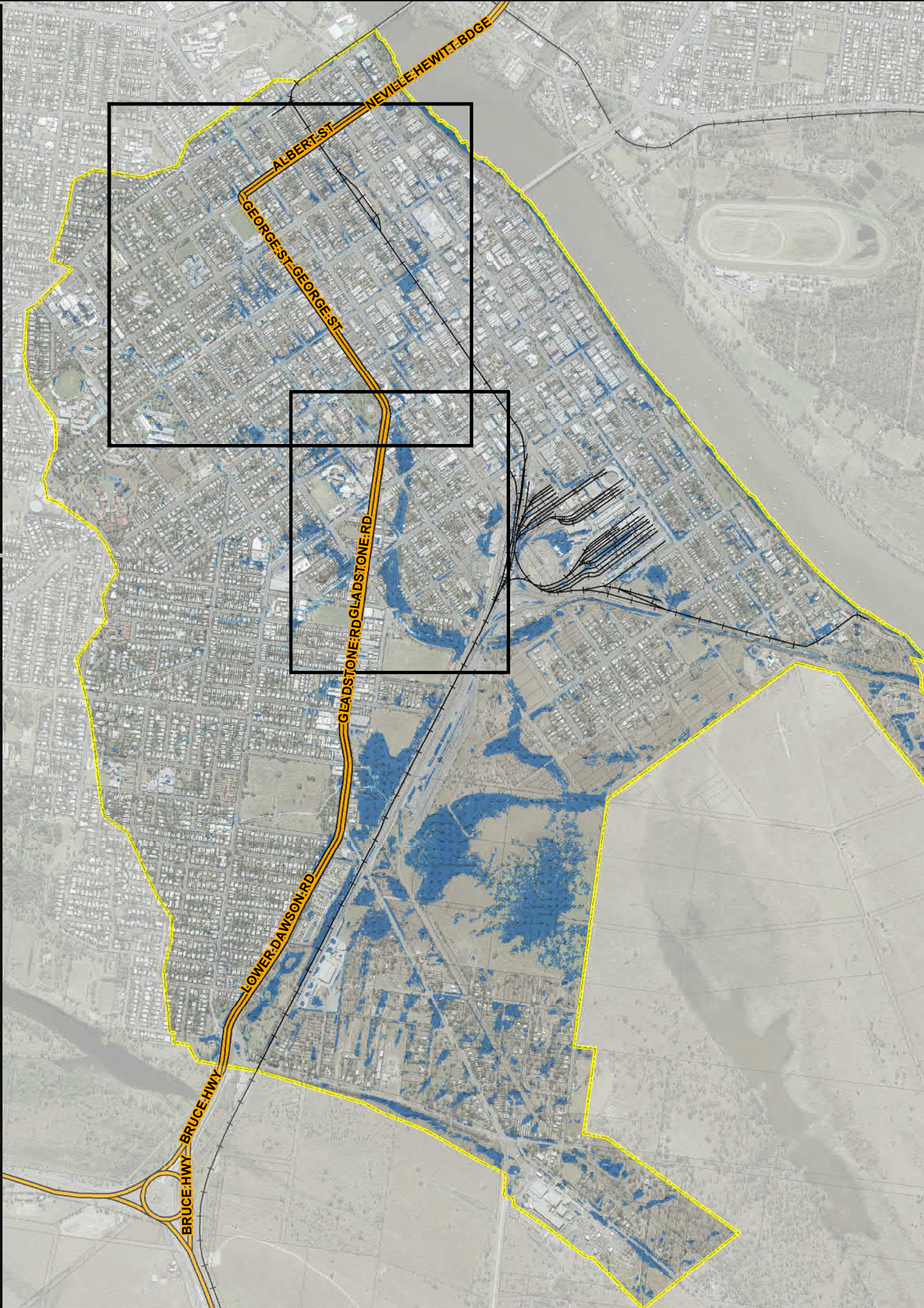
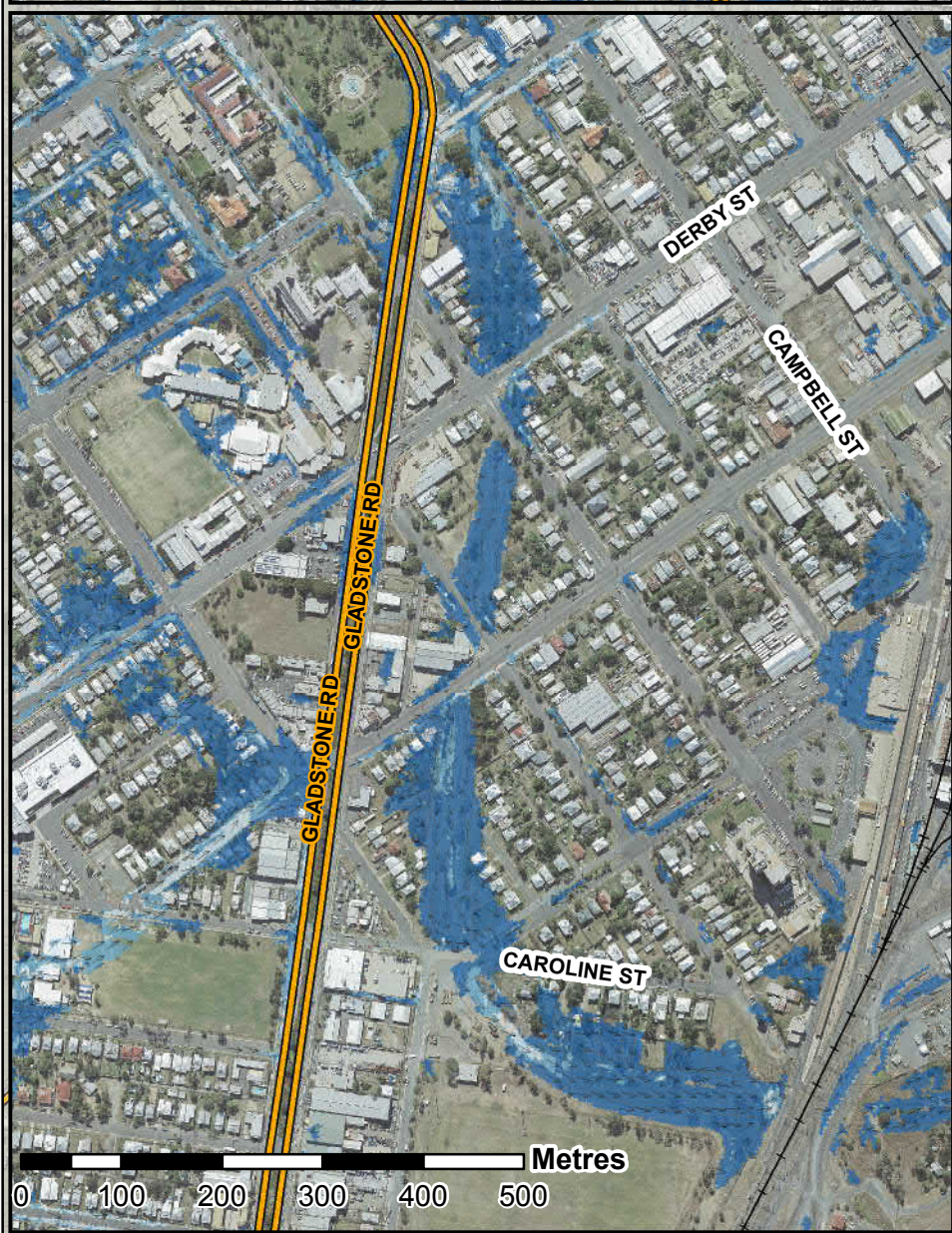
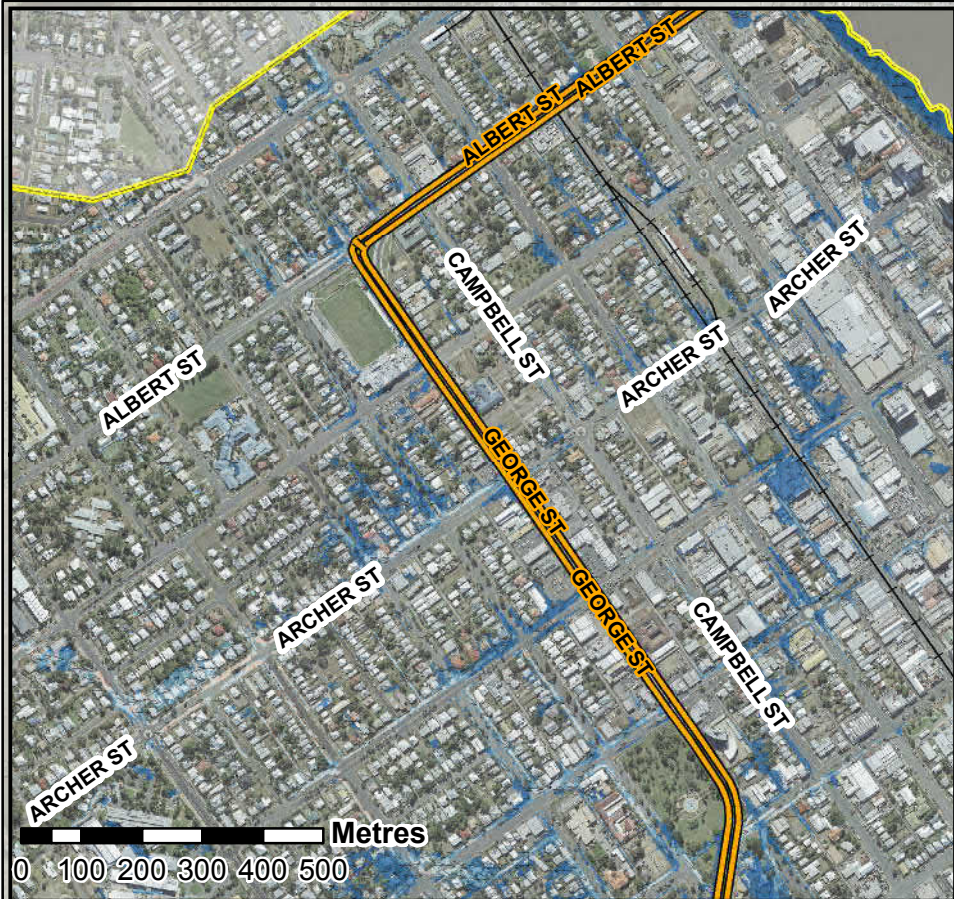
**South Rockhampton Model
Peak Flood Heights**



39% AEP 120m Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	5/06/2017
VERSION:	2

**Map
SR-05**

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0 200 400 600 800 1,000

Metres

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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

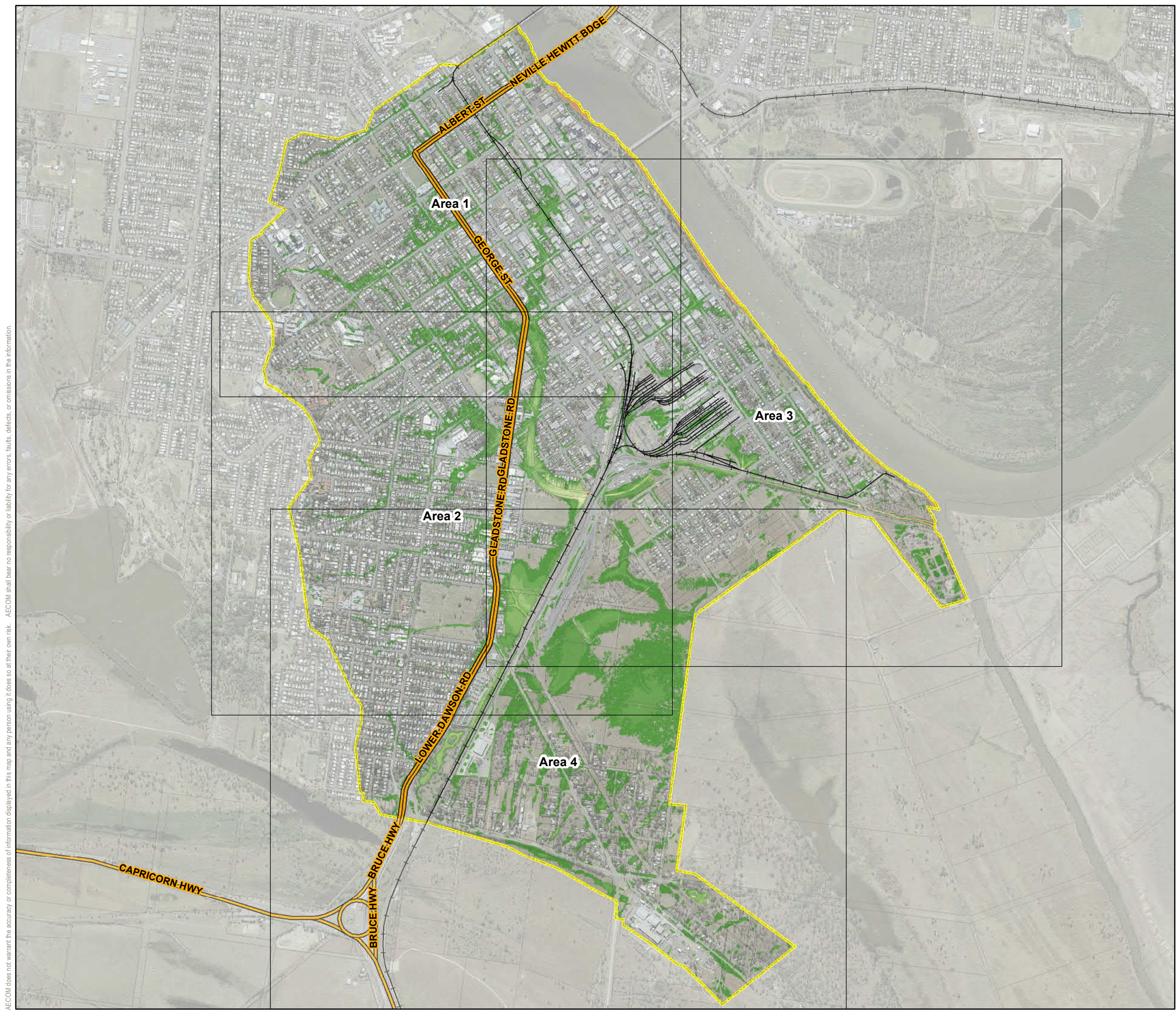
Results Filtering: 75mm Min. Depth
100m² Min. Area



South Rockhampton Model
Peak Depth Averaged Flood Velocity
39% AEP 120m Storm Event

PROJECT ID	60534898
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Map
SR-06

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Metres

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LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

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

**South Rockhampton Model
Peak Flood Depths - Catchment Overview**

18% AEP 120m Storm Event

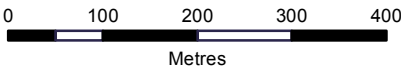
PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	4/09/2017
VERSION:	2

**Map
SR-07**

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1:8,000
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LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

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

**South Rockhampton Model
Peak Flood Depths - Area 1**

18% AEP 120m Storm Event

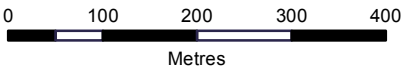
PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 4/09/2017
VERSION: 2

**Map
SR-08**

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LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

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

**South Rockhampton Model
Peak Flood Depths - Area 2**


18% AEP 120m Storm Event

PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 4/09/2017
VERSION: 2


**Map
SR-09**

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Rockhampton
Regional Council

DATUM GDA 1994, PROJECTION MGA ZONE 56

0100200300400500


Metres


1:10,000
(when printed at A3)





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LEGEND


 Highways


 Railway Lines


 Cadastre


 Hydraulic Model Extent


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

**South Rockhampton Model
Peak Flood Depths - Area 3**

18% AEP 120m Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	4/09/2017
VERSION:	2

**Map
SR-10**

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DATUM GDA 1994, PROJECTION MGA ZONE 56

1:10,000
(when printed at A3)

LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

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

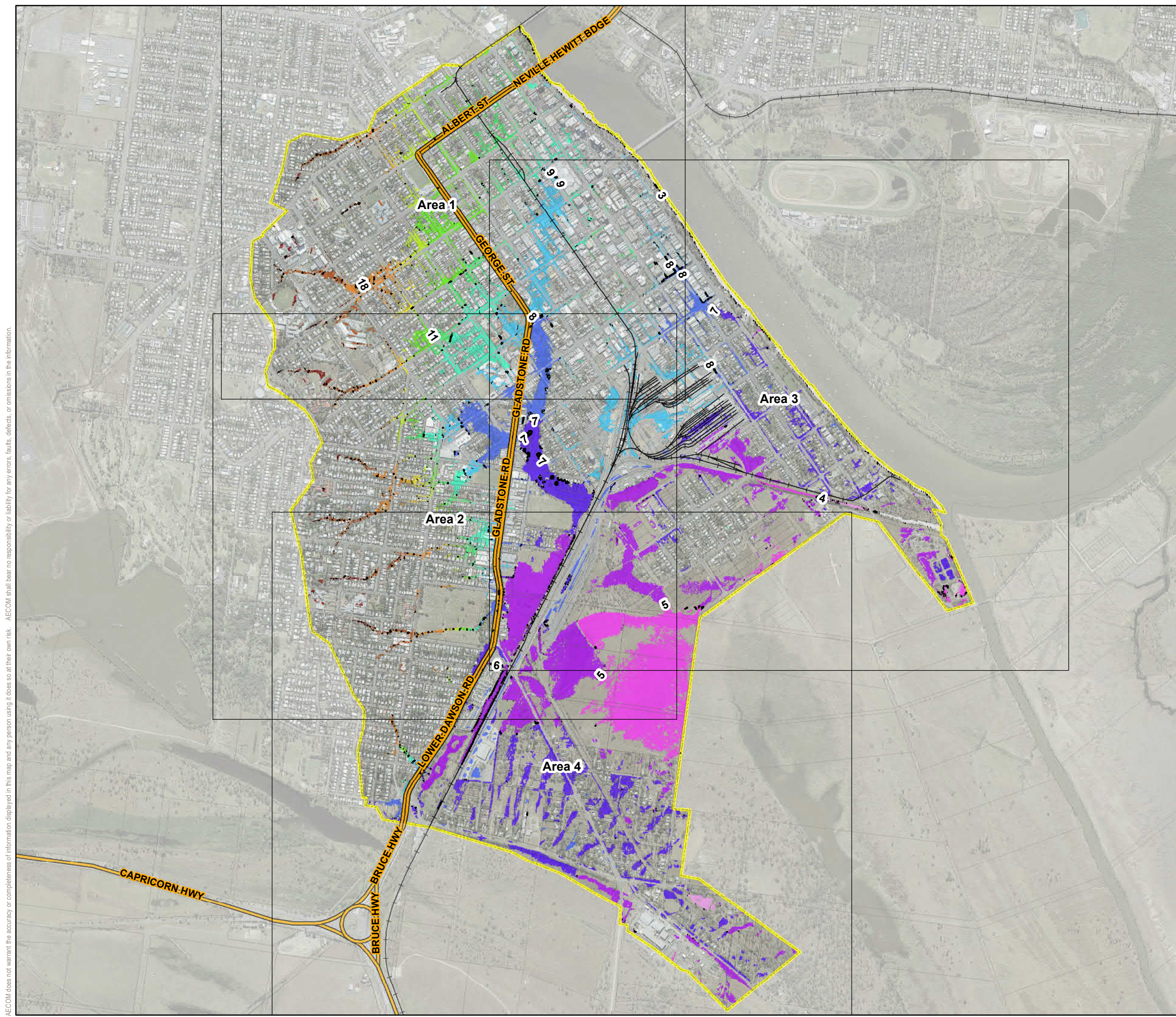
**South Rockhampton Model
Peak Flood Depths - Area 4**



18% AEP 120m Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	4/09/2017
VERSION:	2

**Map
SR-11**

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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

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

Peak Flood Height (mAHD)

□	< 3.00
□	3.01 - 4.00
□	4.01 - 5.00
□	5.01 - 6.00
□	6.01 - 7.00
□	7.01 - 8.00
□	8.01 - 9.00
□	9.01 - 10.00
□	10.01 - 11.00
□	11.01 - 12.00
□	12.01 - 13.00
□	13.01 - 14.00
□	14.01 - 15.00
□	15.01 - 20.00
□	20.01 - 30.00
□	> 30.00

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

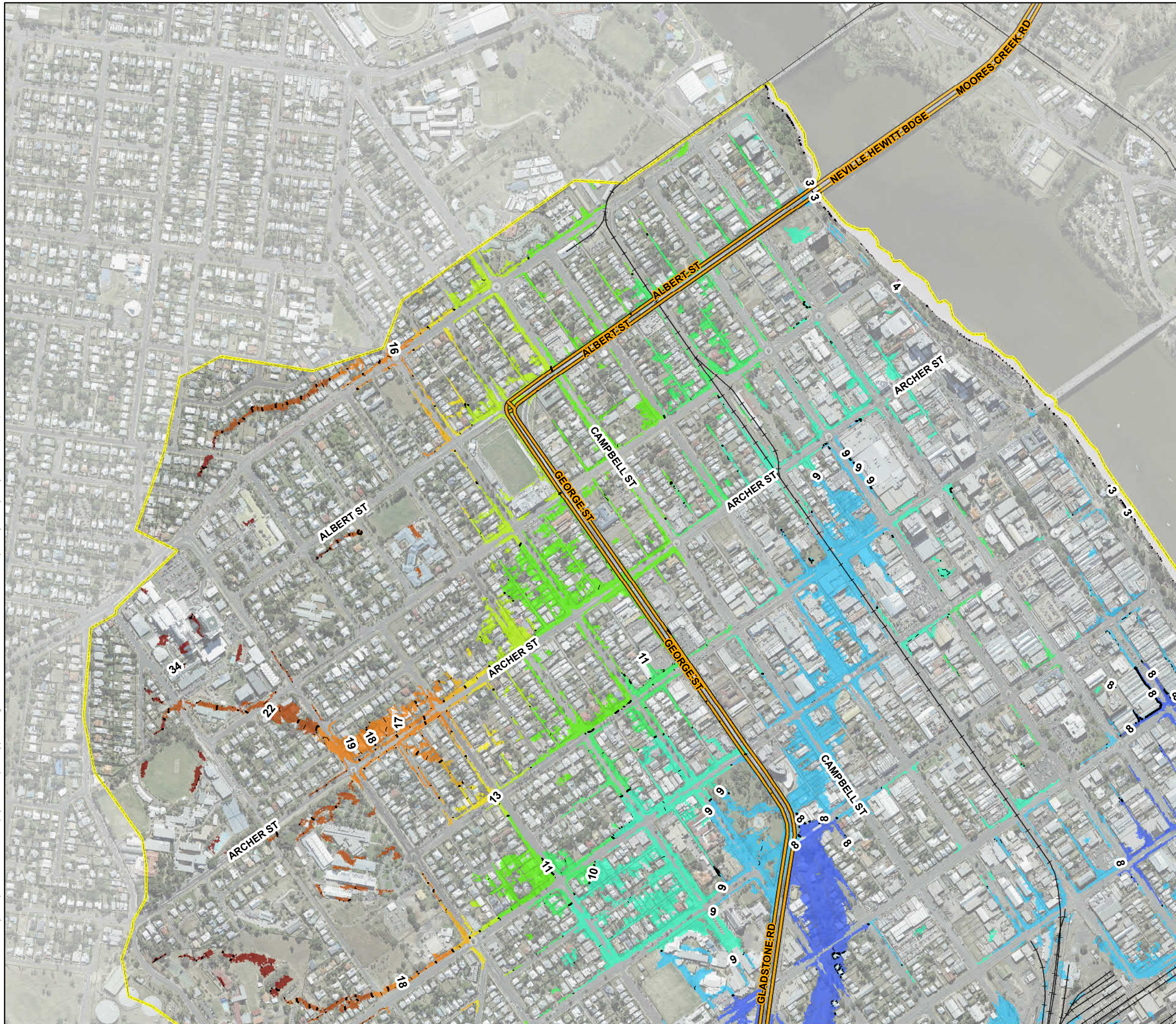
South Rockhampton Model
Peak Flood Heights - Catchment Overview



18% AEP 120m Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	4/09/2017
VERSION:	2

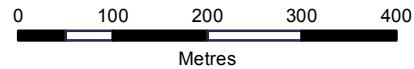
Map
SR-12

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DATUM GDA 1994, PROJECTION MGA ZONE 56



0 100 200 300 400
Metres

1:8,000
(when printed at A3)



LEGEND

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

Peak Flood Height (mAHD)

□	< 3.00
□	3.01 - 4.00
□	4.01 - 5.00
□	5.01 - 6.00
□	6.01 - 7.00
□	7.01 - 8.00
□	8.01 - 9.00
□	9.01 - 10.00
□	10.01 - 11.00
□	11.01 - 12.00
□	12.01 - 13.00
□	13.01 - 14.00
□	14.01 - 15.00
□	15.01 - 20.00
□	20.01 - 30.00
□	> 30.00

**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

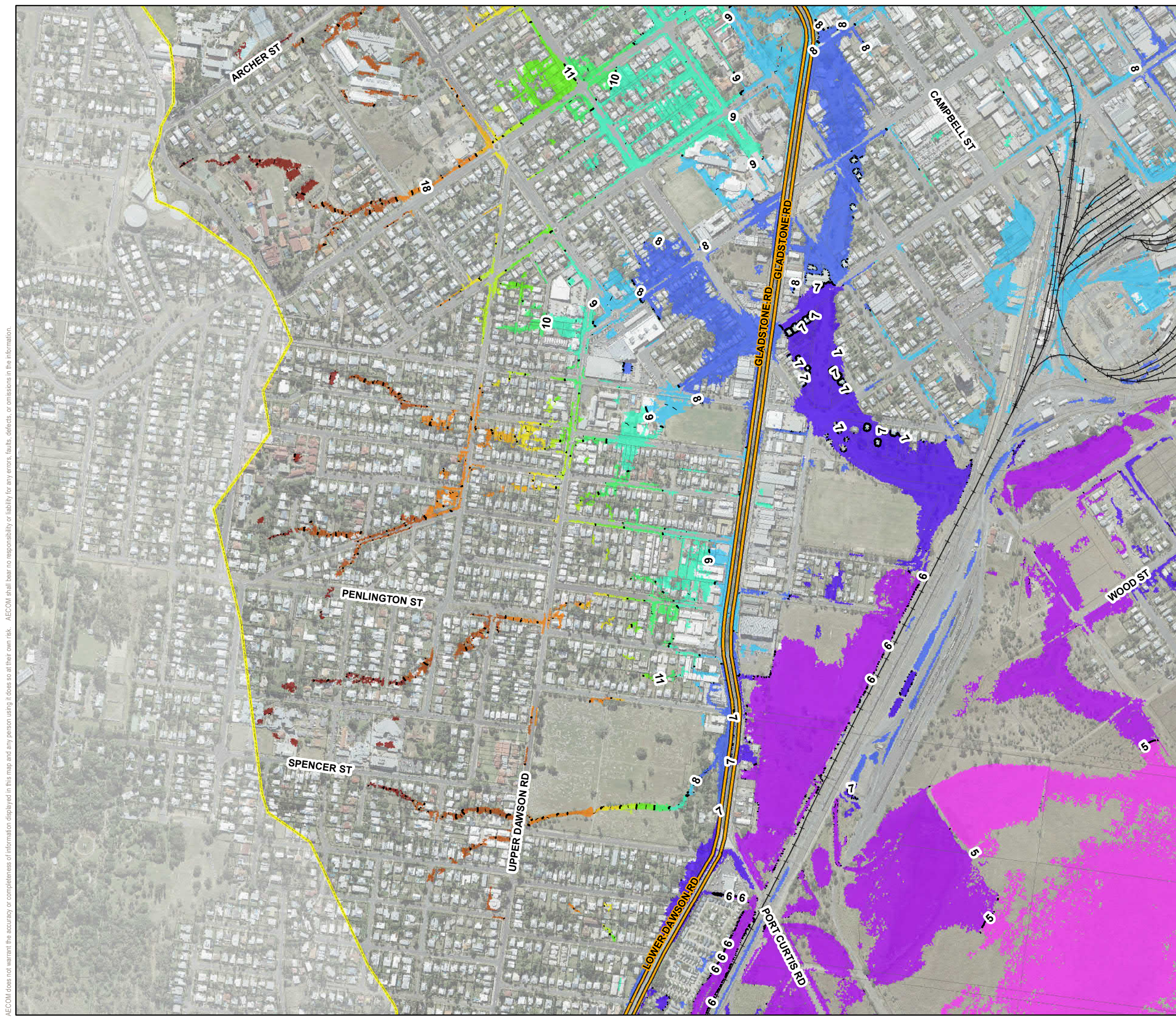
**South Rockhampton Model
Peak Flood Heights - Area 1**

18% AEP 120m Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	4/09/2017
VERSION:	2

**Map
SR-13**

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Rockhampton
Regional Council

DATUM GDA 1994, PROJECTION MGA ZONE 56

0 100 200 300 400
Metres

1:8,000
(when printed at A3)

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LEGEND

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

Peak Flood Height (mAHD)

< 3.00
3.01 - 4.00
4.01 - 5.00
5.01 - 6.00
6.01 - 7.00
7.01 - 8.00
8.01 - 9.00
9.01 - 10.00
10.01 - 11.00
11.01 - 12.00
12.01 - 13.00
13.01 - 14.00
14.01 - 15.00
15.01 - 20.00
20.01 - 30.00
> 30.00

Flood results are based on local catchment events

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

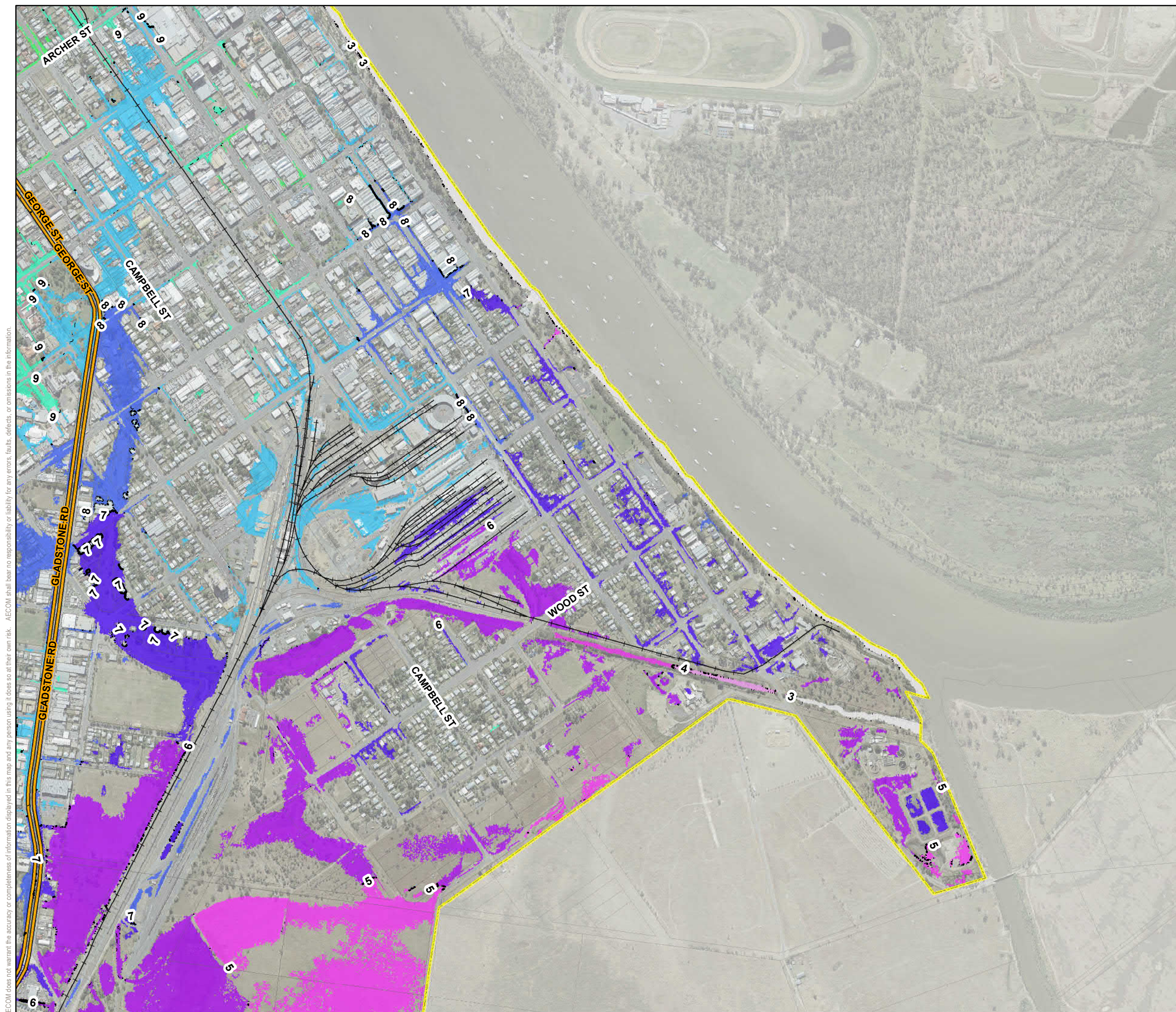
Results Filtering: 75mm Min. Depth
100m² Min. Area


**South Rockhampton Model
Peak Flood Heights - Area 2**
18% AEP 120m Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	4/09/2017
VERSION:	2


**Map
SR-14**

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0100200300400500

Metres

1:10,000
(when printed at A3)



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LEGEND

0.5m Contour

—

1m Contour

==

Highways

—+—

Railway Lines

□

Cadastre

□

Hydraulic Model Extent

Peak Flood Height (mAHD)

□

< 3.00

□

3.01 - 4.00

□

4.01 - 5.00

□

5.01 - 6.00

□

6.01 - 7.00

□

7.01 - 8.00

□

8.01 - 9.00

□

9.01 - 10.00

□

10.01 - 11.00

□

11.01 - 12.00

□

12.01 - 13.00

□

13.01 - 14.00

□

14.01 - 15.00

□

15.01 - 20.00

□

20.01 - 30.00

□

> 30.00

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

South Rockhampton Model
Peak Flood Depths - Area 3

18% AEP 120m Storm Event

PROJECT ID60534898

CREATED BYmaultbyj

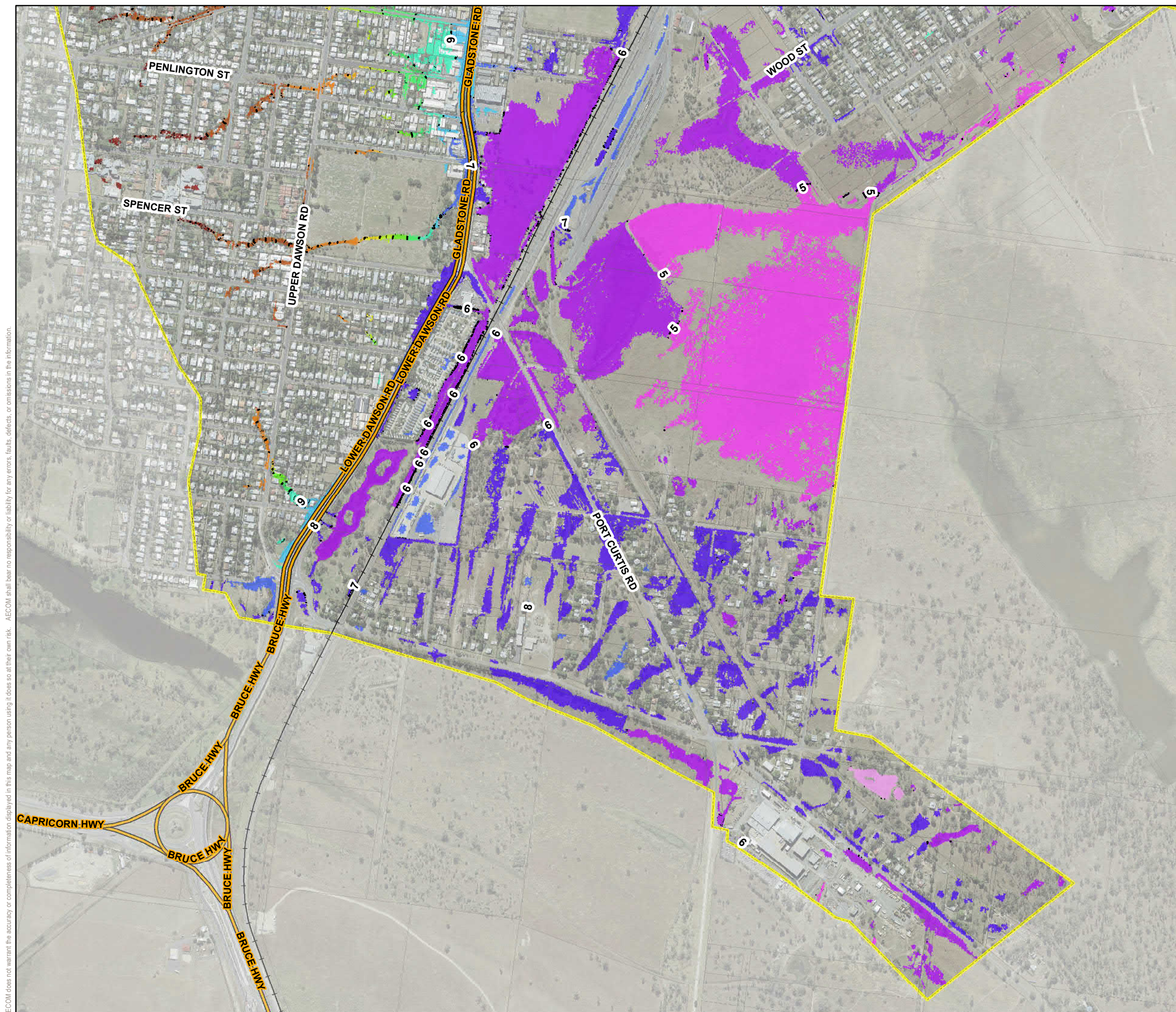
LAST MODIFIED4/09/2017

VERSION:2

Map

SR-15

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Rockhampton
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DATUM GDA 1994, PROJECTION MGA ZONE 56

0100200300400500

Metres

1:10,000
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LEGEND

0.5m Contour

—

1m Contour

—

Highways

+

Railway Lines

Cadastre

Hydraulic Model Extent

Peak Flood Height (mAHD)

< 3.00

3.01 - 4.00

4.01 - 5.00

5.01 - 6.00

6.01 - 7.00

7.01 - 8.00

8.01 - 9.00

9.01 - 10.00

10.01 - 11.00

11.01 - 12.00

12.01 - 13.00

13.01 - 14.00

14.01 - 15.00

15.01 - 20.00

20.01 - 30.00

> 30.00

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

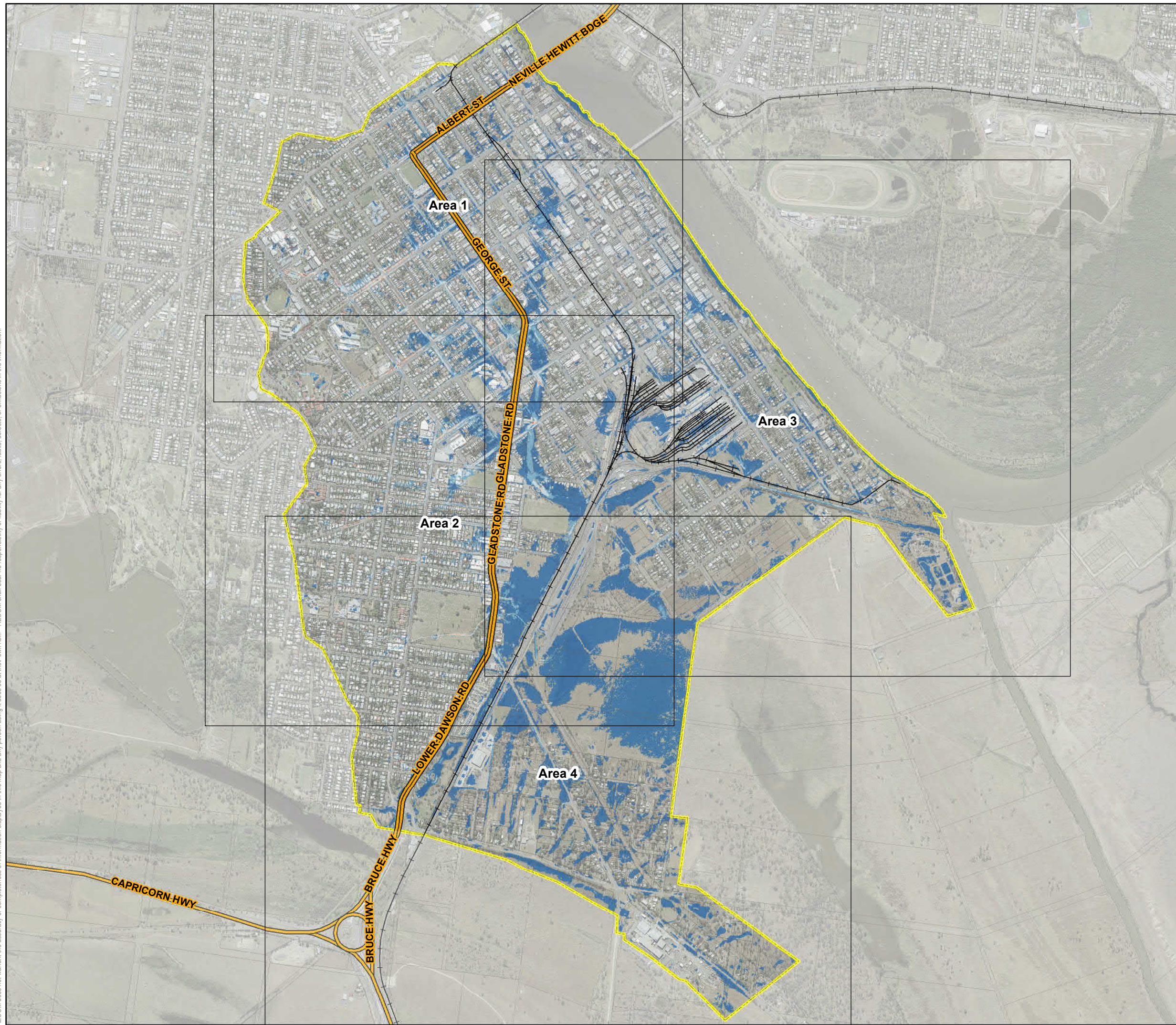
**South Rockhampton Model
Peak Flood Heights - Area 4**



18% AEP 120m Storm Event

PROJECT ID60534898
CREATED BYmaulbyj
LAST MODIFIED4/09/2017
VERSION:2

**Map
SR-16**

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DATUM GDA 1994, PROJECTION MGA ZONE 56

0 200 400 600 800 1,000

Metres

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(when printed at A3)



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LEGEND

- 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

South Rockhampton Model
Peak Depth Averaged Flood Velocity
Catchment Overview

18% AEP 120m Storm Event

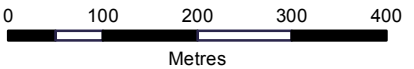
PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	4/09/2017
VERSION:	2

Map
SR-17

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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

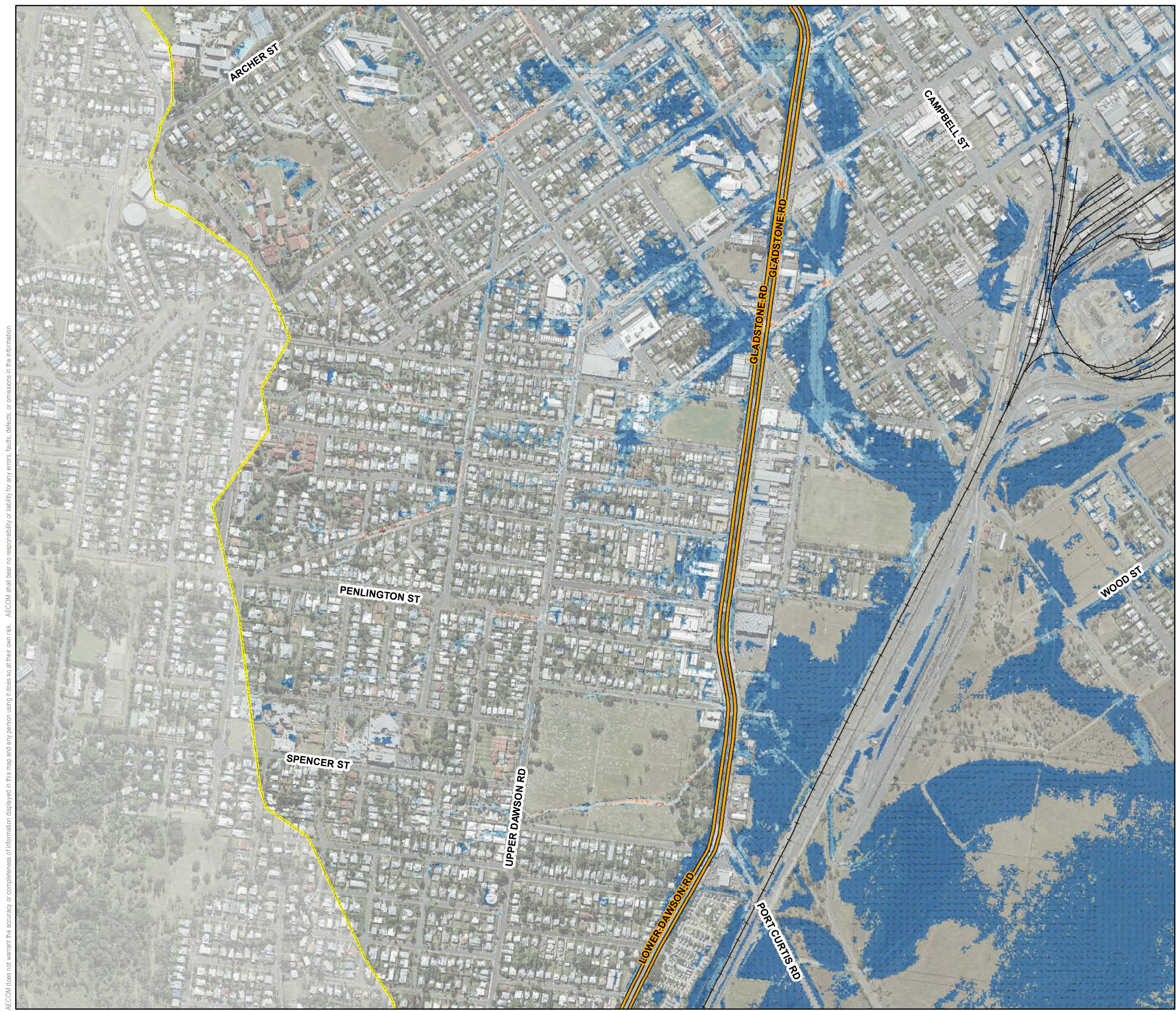
South Rockhampton Model
Peak Depth Averaged Flood Velocity
Area 1



18% AEP 120m Storm Event

PROJECT ID: 60534898
CREATED BY: maultbyj
LAST MODIFIED: 4/09/2017
VERSION: 2

Map
SR-18

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DATUM GDA 1994, PROJECTION MGA ZONE 56

0 100 200 300 400

Metres

1:8,000
(when printed at A3)



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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

South Rockhampton Model
Peak Depth Averaged Flood Velocity
Area 2



18% AEP 120m Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	4/09/2017
VERSION:	2

Map
SR-19

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DATUM GDA 1994, PROJECTION MGA ZONE 56

0 100 200 300 400 500

Metres

1:10,000
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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

South Rockhampton Model
Peak Depth Averaged Flood Velocity
Area 3



18% AEP 120m Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	4/09/2017
VERSION:	2

Map
SR-20

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DATUM GDA 1994, PROJECTION MGA ZONE 56

0 100 200 300 400 500

Metres

1:10,000
(when printed at A3)



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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

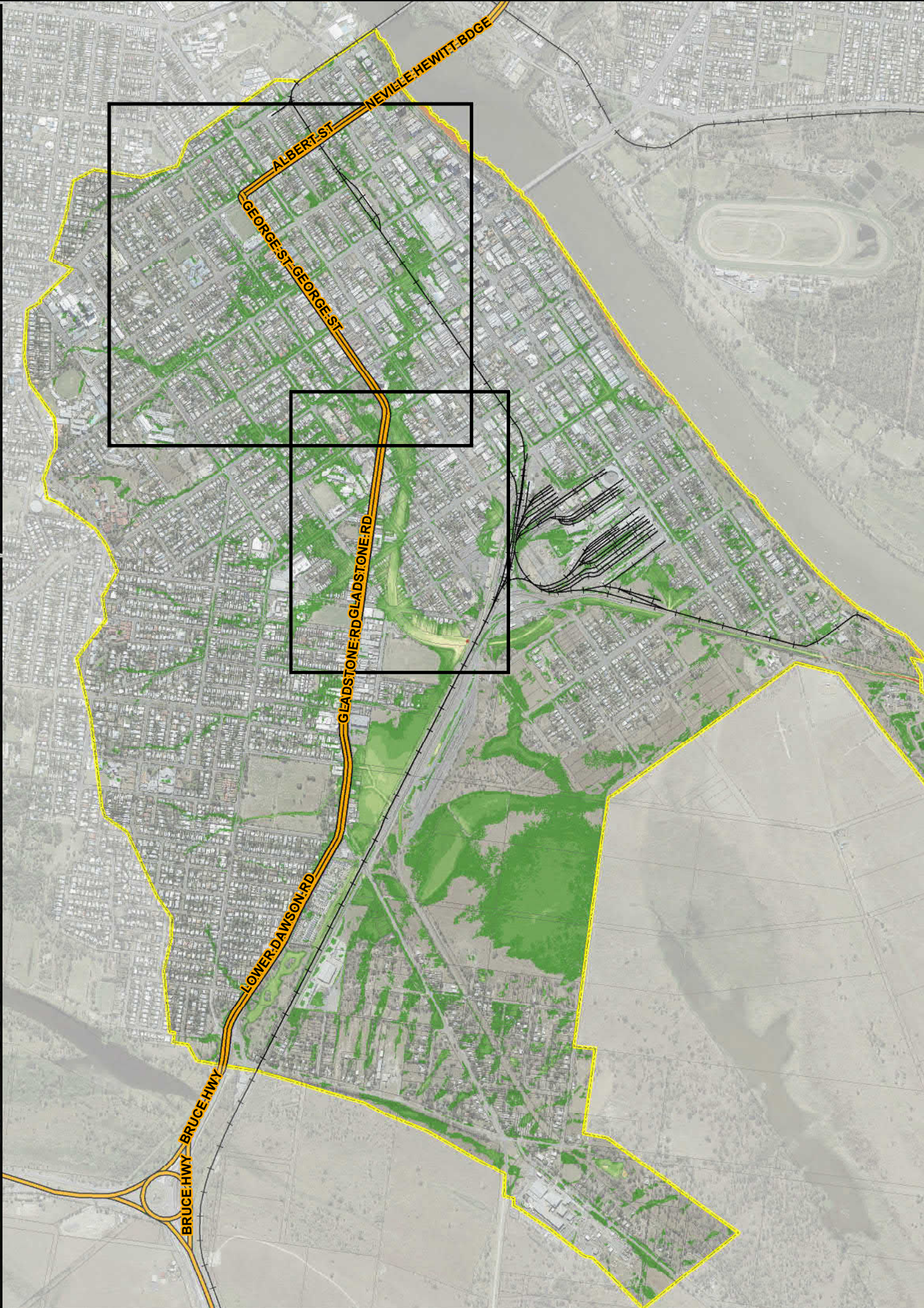
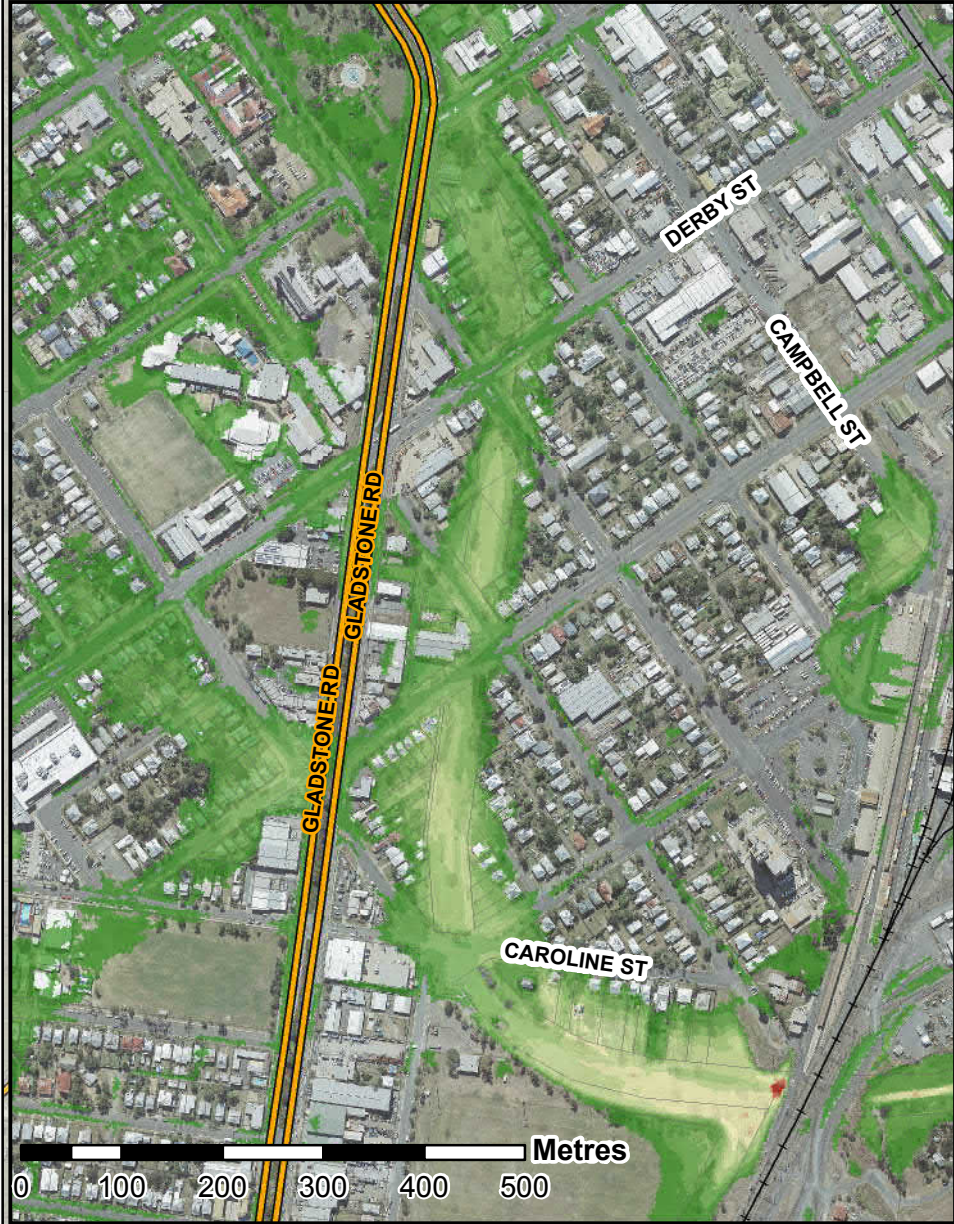
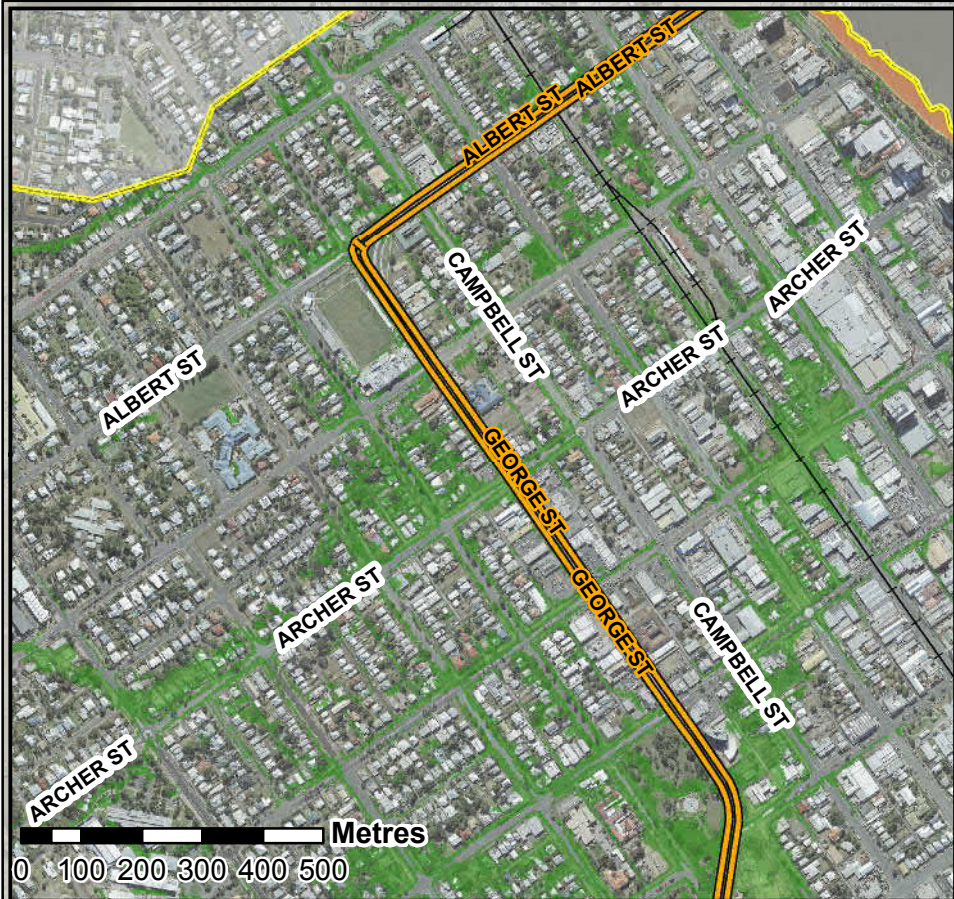
**South Rockhampton Model
Peak Depth Averaged Flood Velocity
Area 4**



18% AEP 120m Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	4/09/2017
VERSION:	2

**Map
SR-21**

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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

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

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

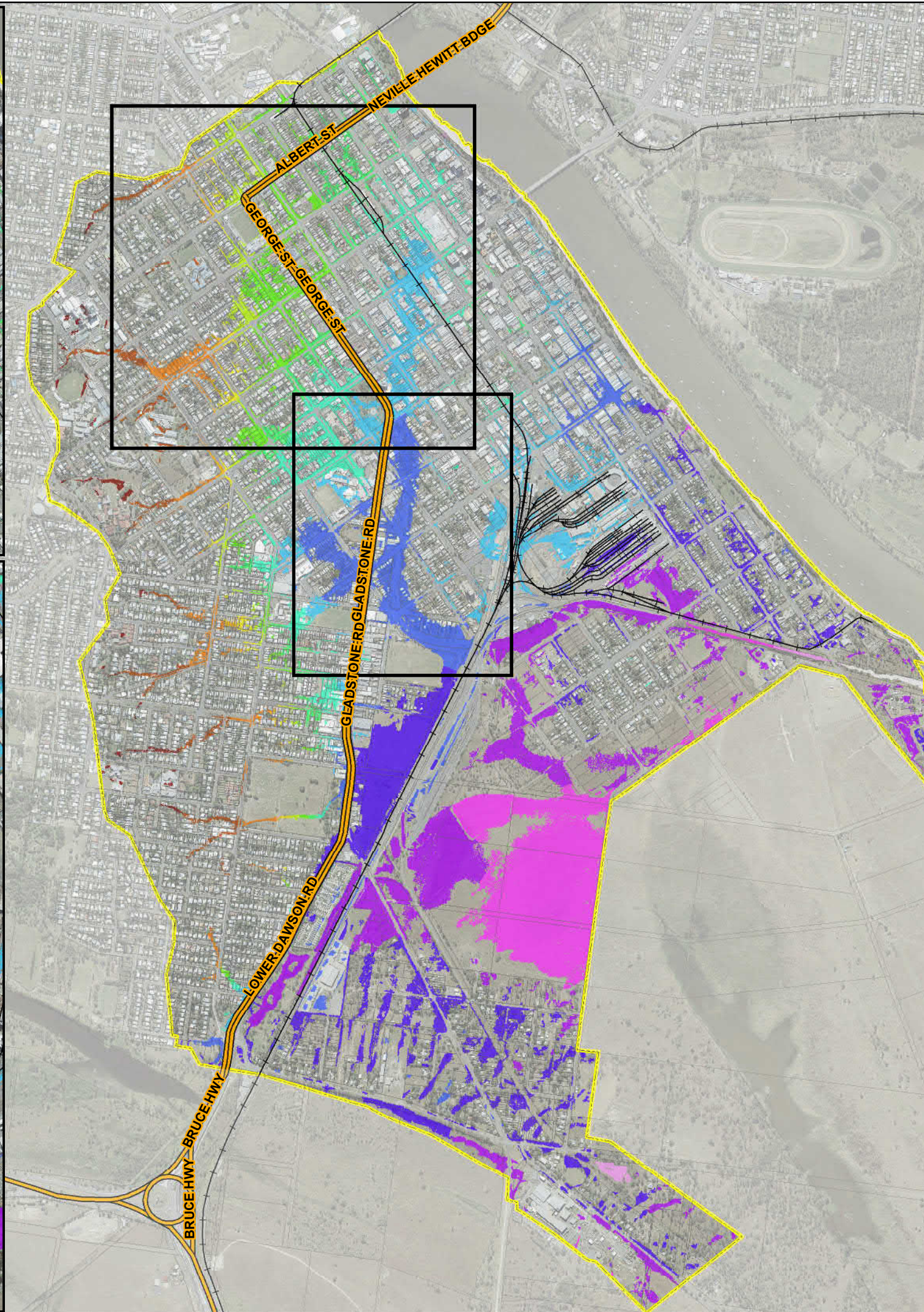
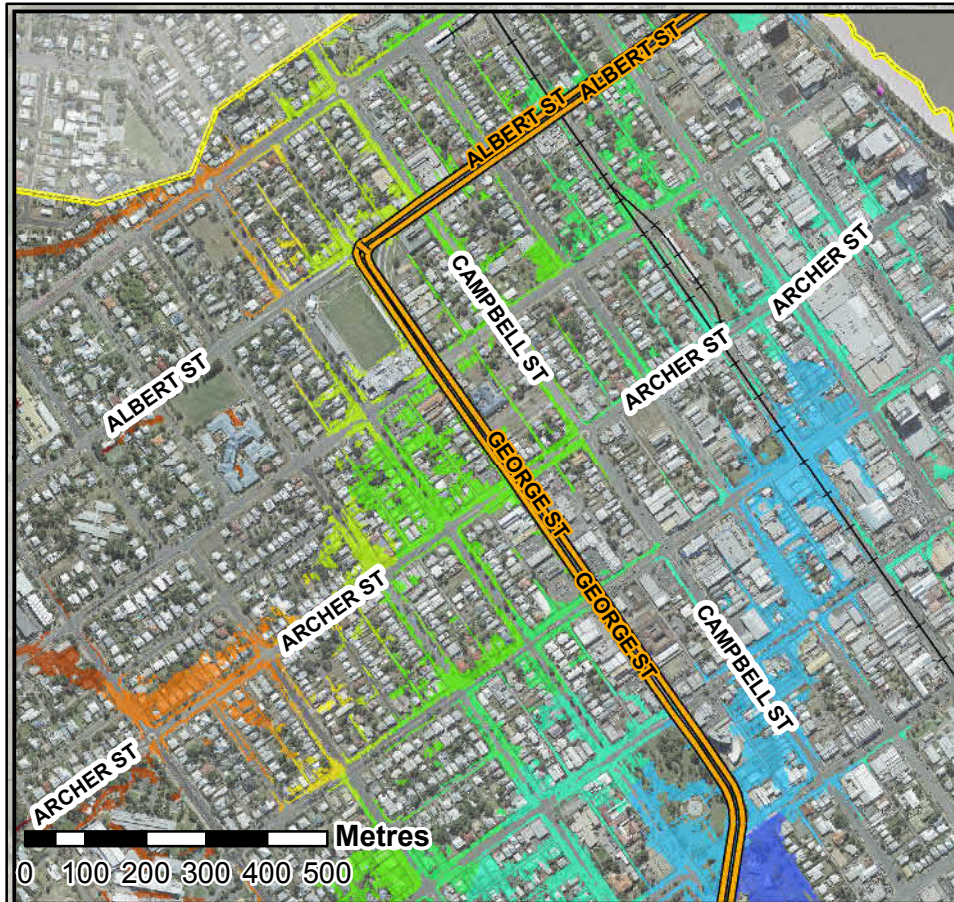
**South Rockhampton Model
Peak Flood Depths**


10% AEP 120m Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	5/06/2017
VERSION:	1


**Map
SR-22**

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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


 Highways


 Railway Lines


 Cadastre


 Hydraulic Model Extent


Peak Flood Height (mAHD)


 < 3.00


 3.01 - 4.00


 4.01 - 5.00


 5.01 - 6.00


 6.01 - 7.00


 7.01 - 8.00


 8.01 - 9.00


 9.01 - 10.00


 10.01 - 11.00


 11.01 - 12.00


 12.01 - 13.00

 13.01 - 14.00

 14.01 - 15.00

 15.01 - 20.00

 20.01 - 30.00

 > 30.00

**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

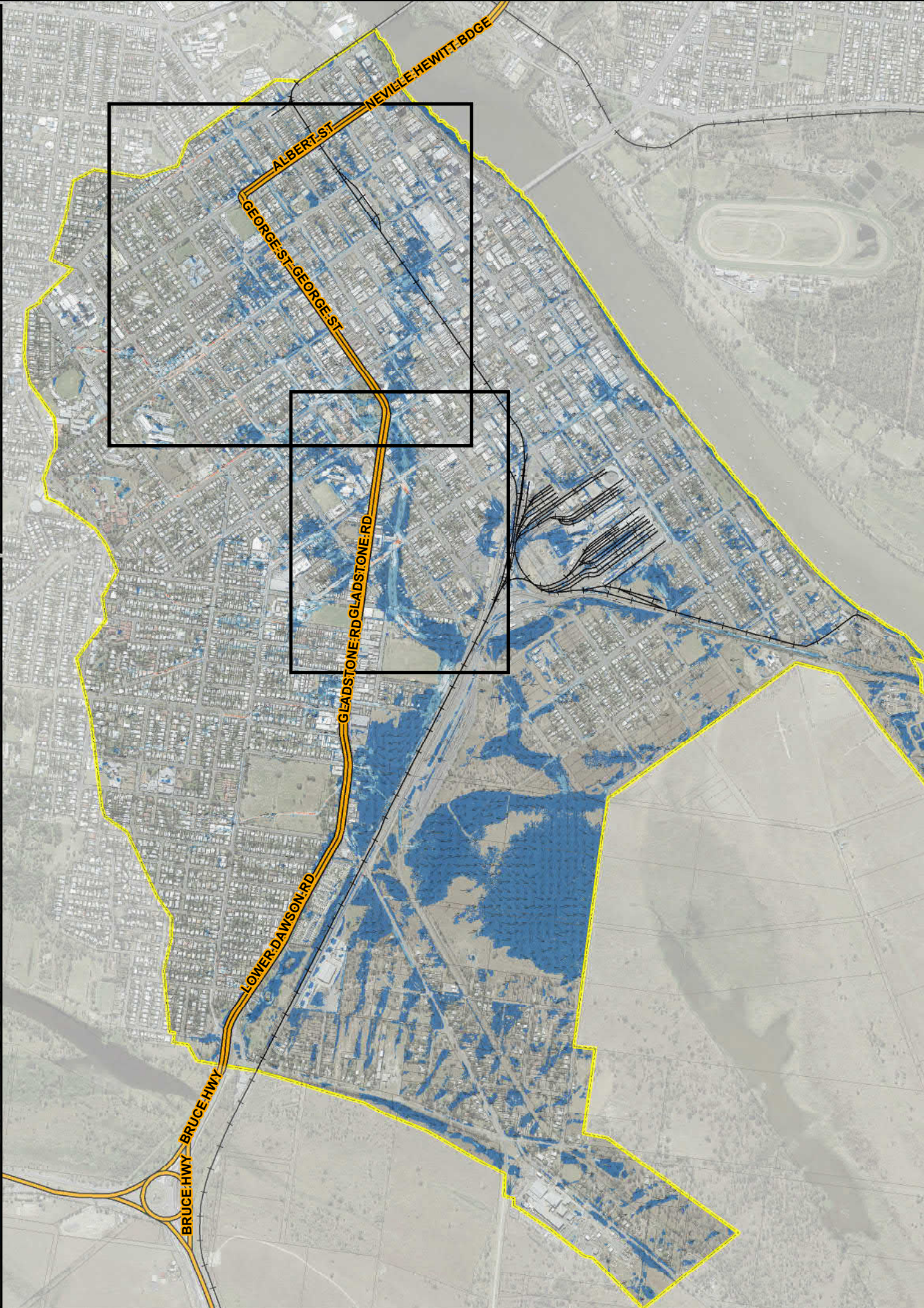
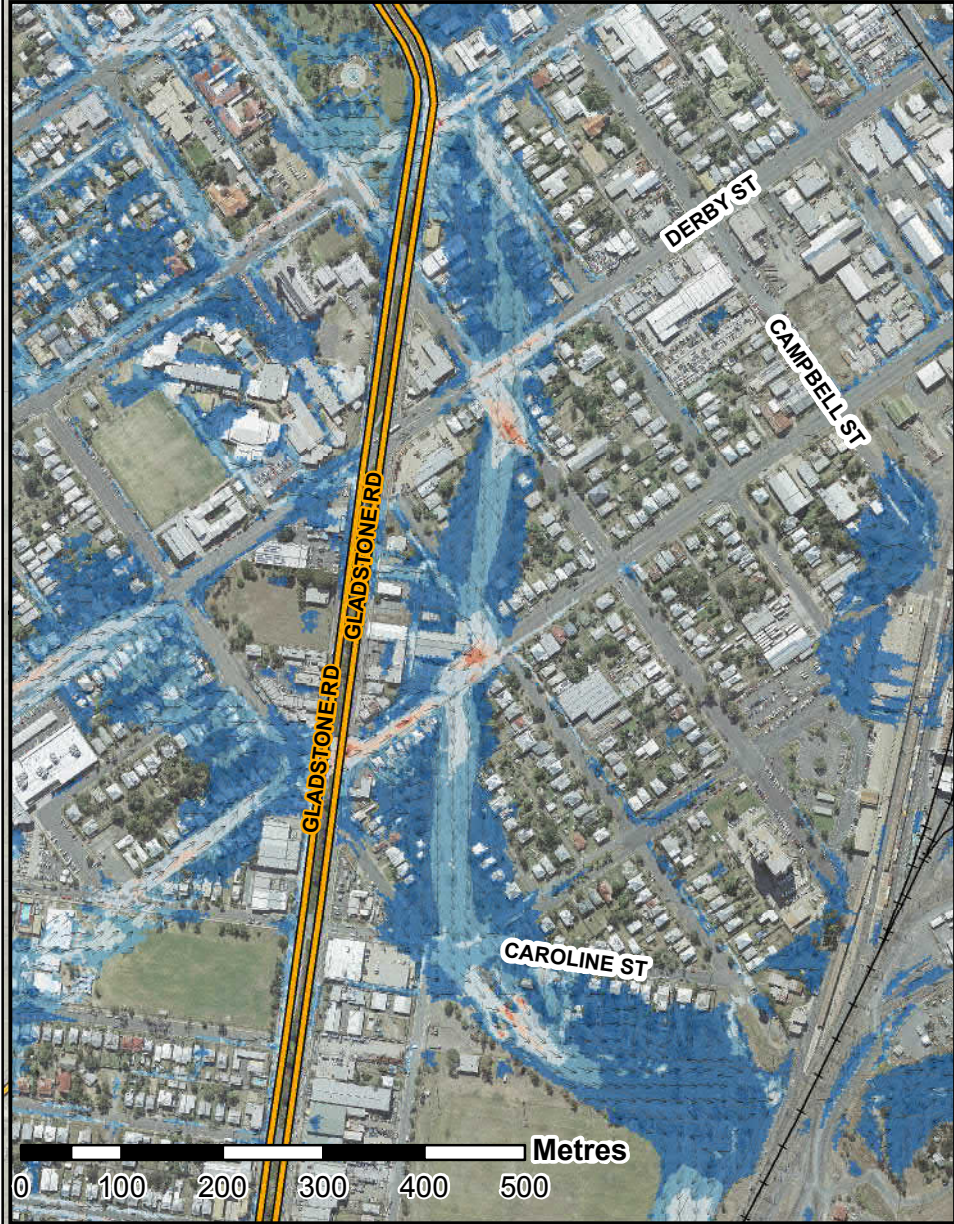
**South Rockhampton Model
Peak Flood Heights**



10% AEP 120m Storm Event

PROJECT ID60534898
CREATED BYmaulbyj
LAST MODIFIED5/06/2017
VERSION:1

**Map
SR-23**

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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

- ↑ 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

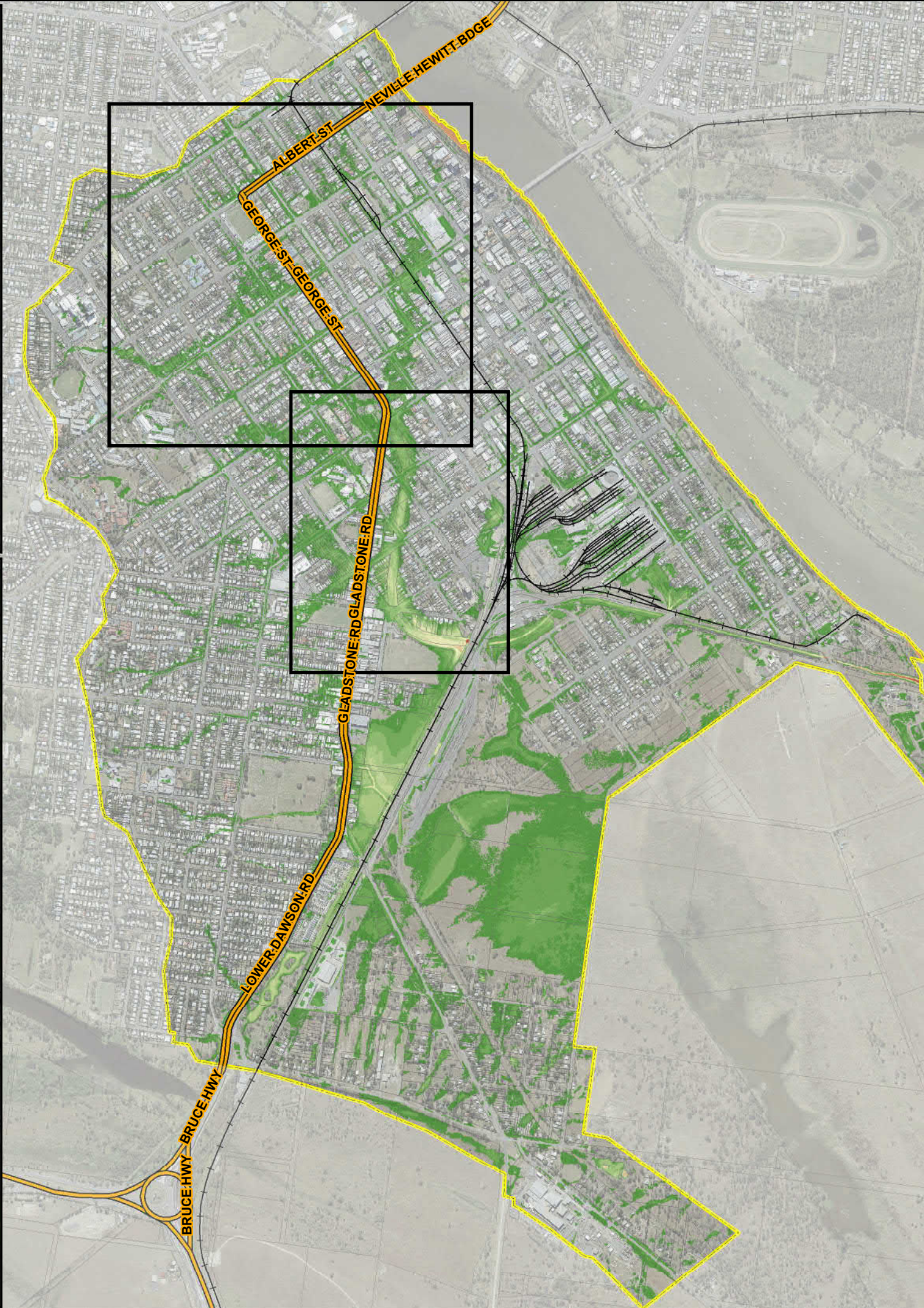
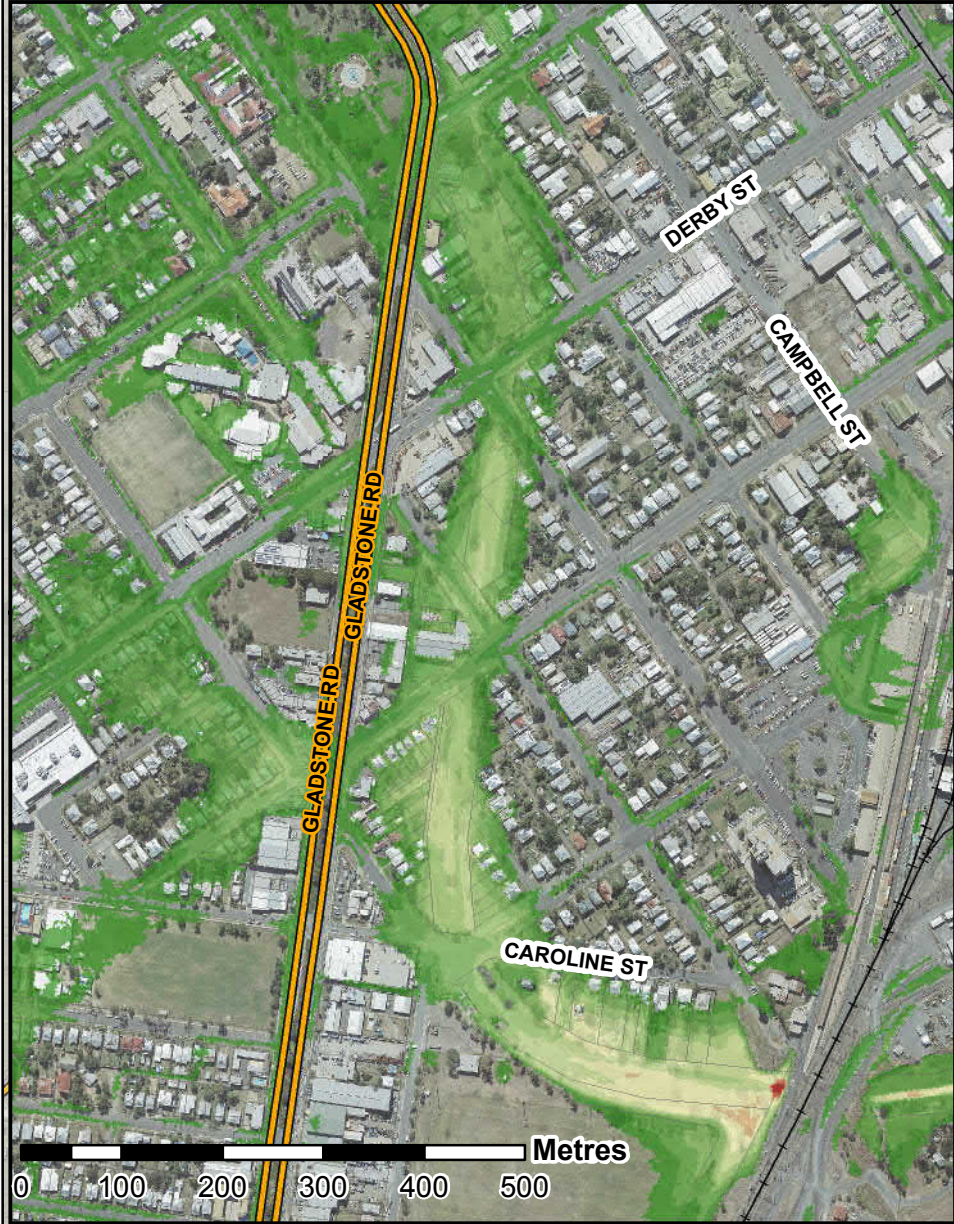
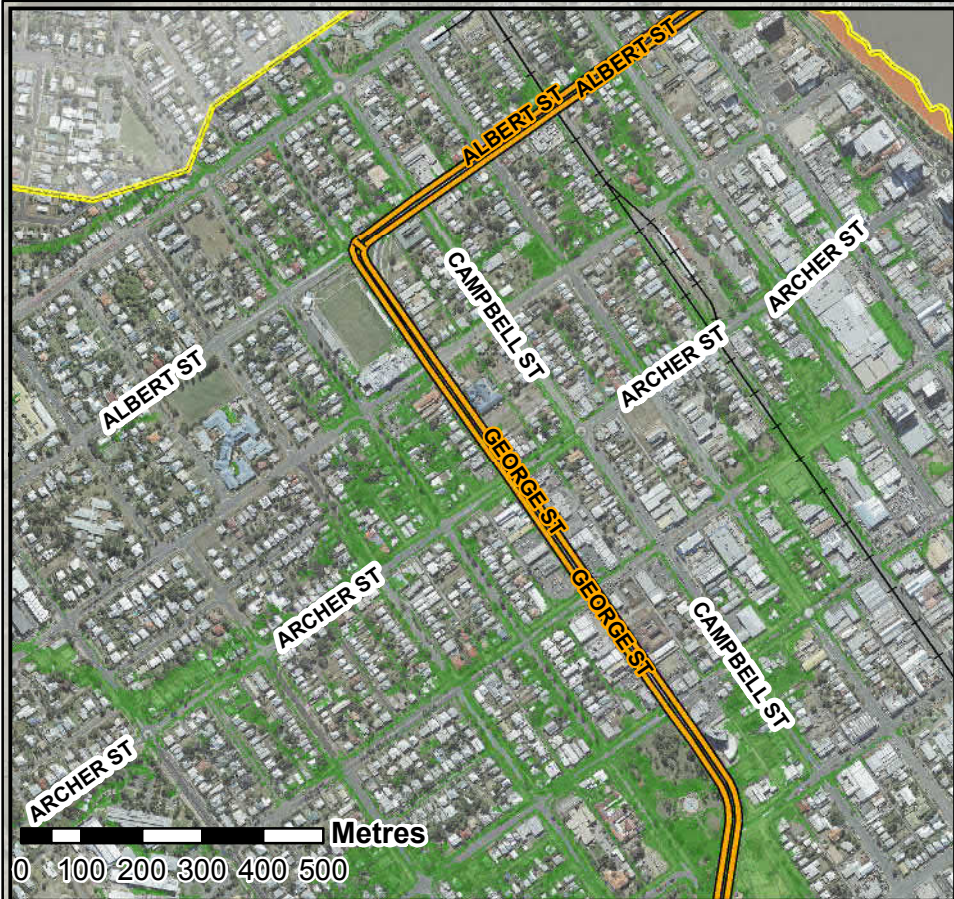
Results Filtering: 75mm Min. Depth
100m² Min. Area



South Rockhampton Model
Peak Depth Averaged Flood Velocity
10% AEP 120m Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	5/06/2017
VERSION:	1

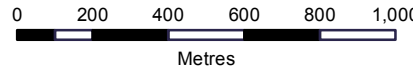
Map
SR-24

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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

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

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

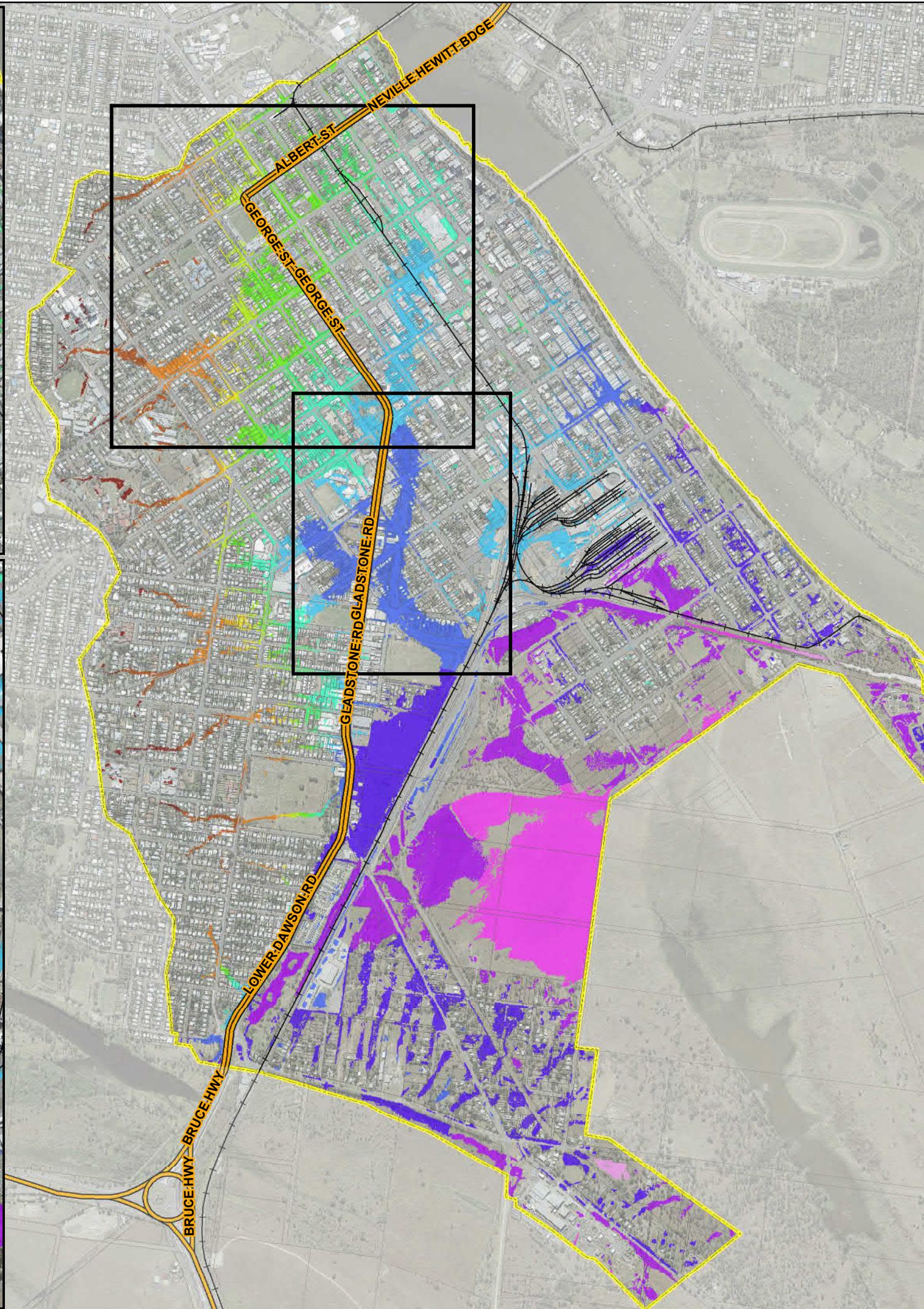
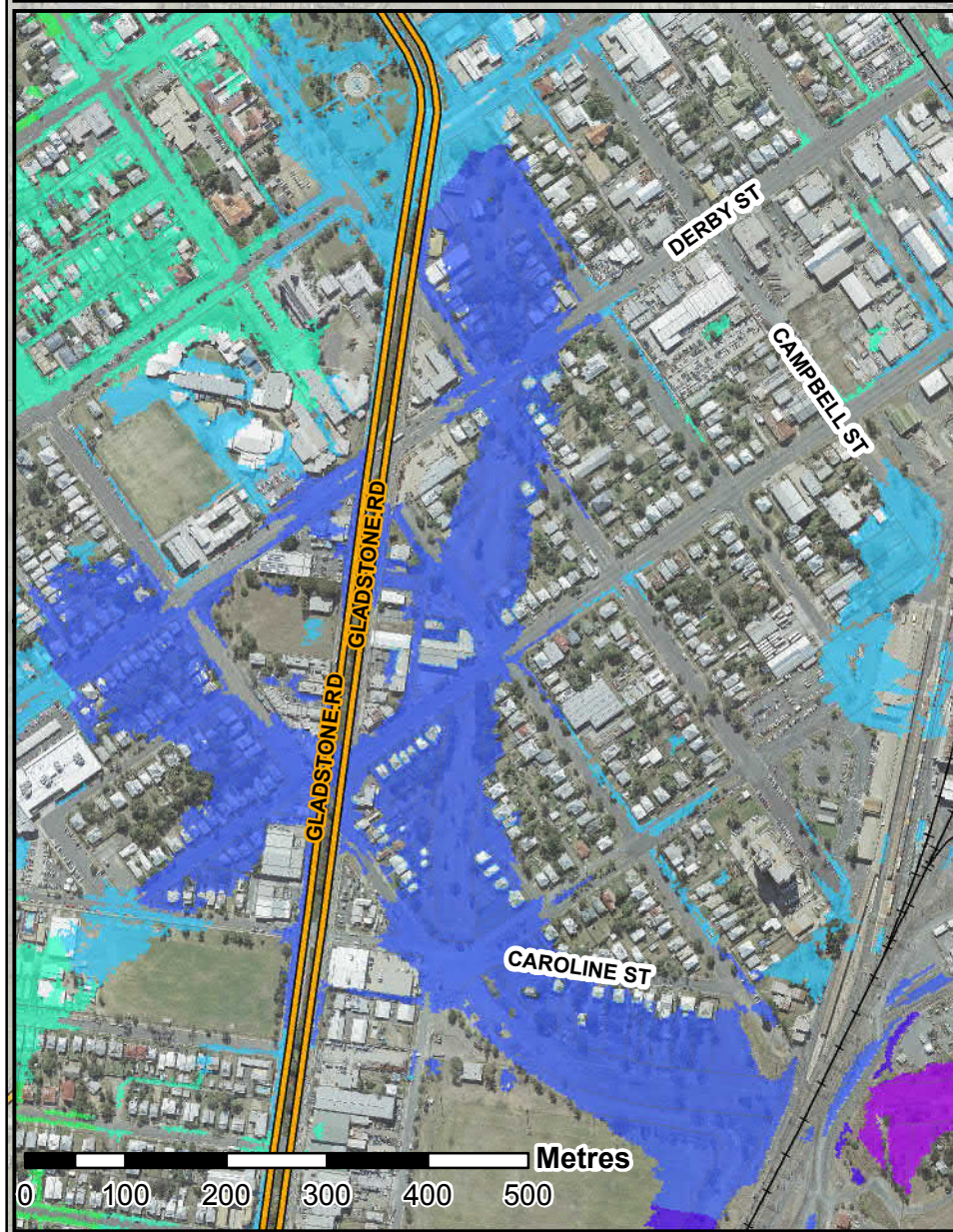
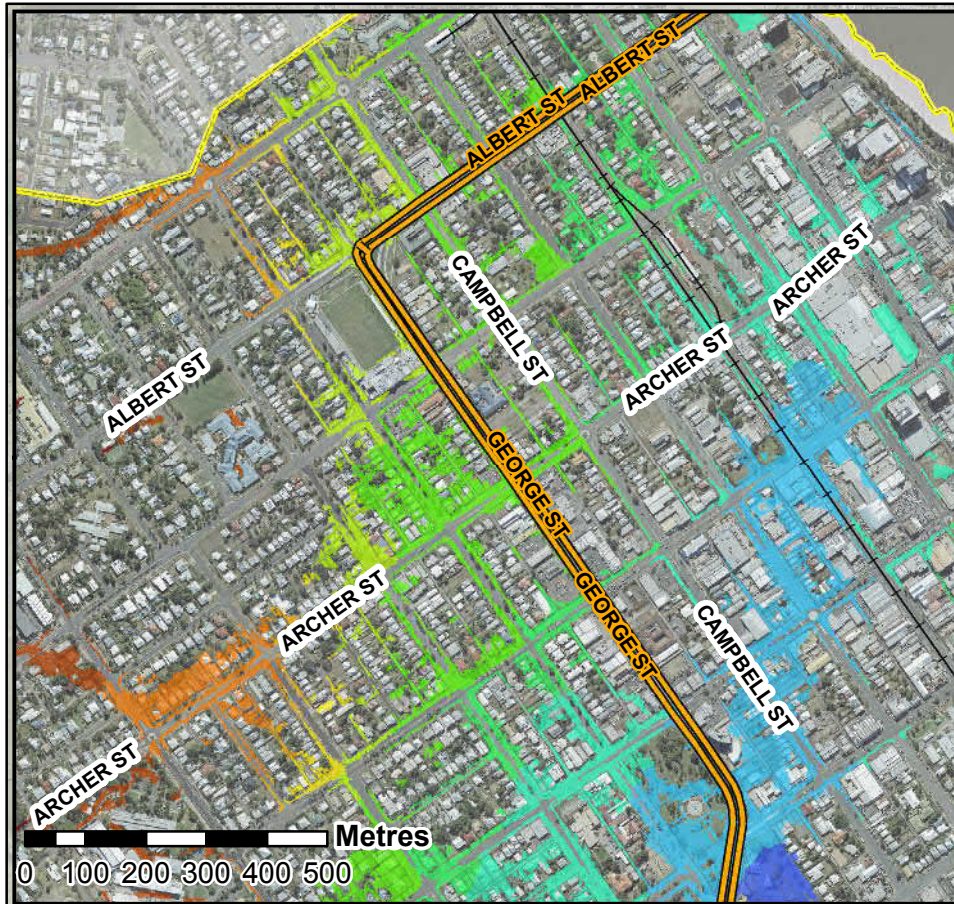
**South Rockhampton Model
Peak Flood Depths**



5% AEP 120m Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	5/06/2017
VERSION:	1

**Map
SR-25**

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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

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

Peak Flood Height (mAHD)

< 3.00
3.01 - 4.00
4.01 - 5.00
5.01 - 6.00
6.01 - 7.00
7.01 - 8.00
8.01 - 9.00
9.01 - 10.00
10.01 - 11.00
11.01 - 12.00
12.01 - 13.00
13.01 - 14.00
14.01 - 15.00
15.01 - 20.00
20.01 - 30.00
> 30.00

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

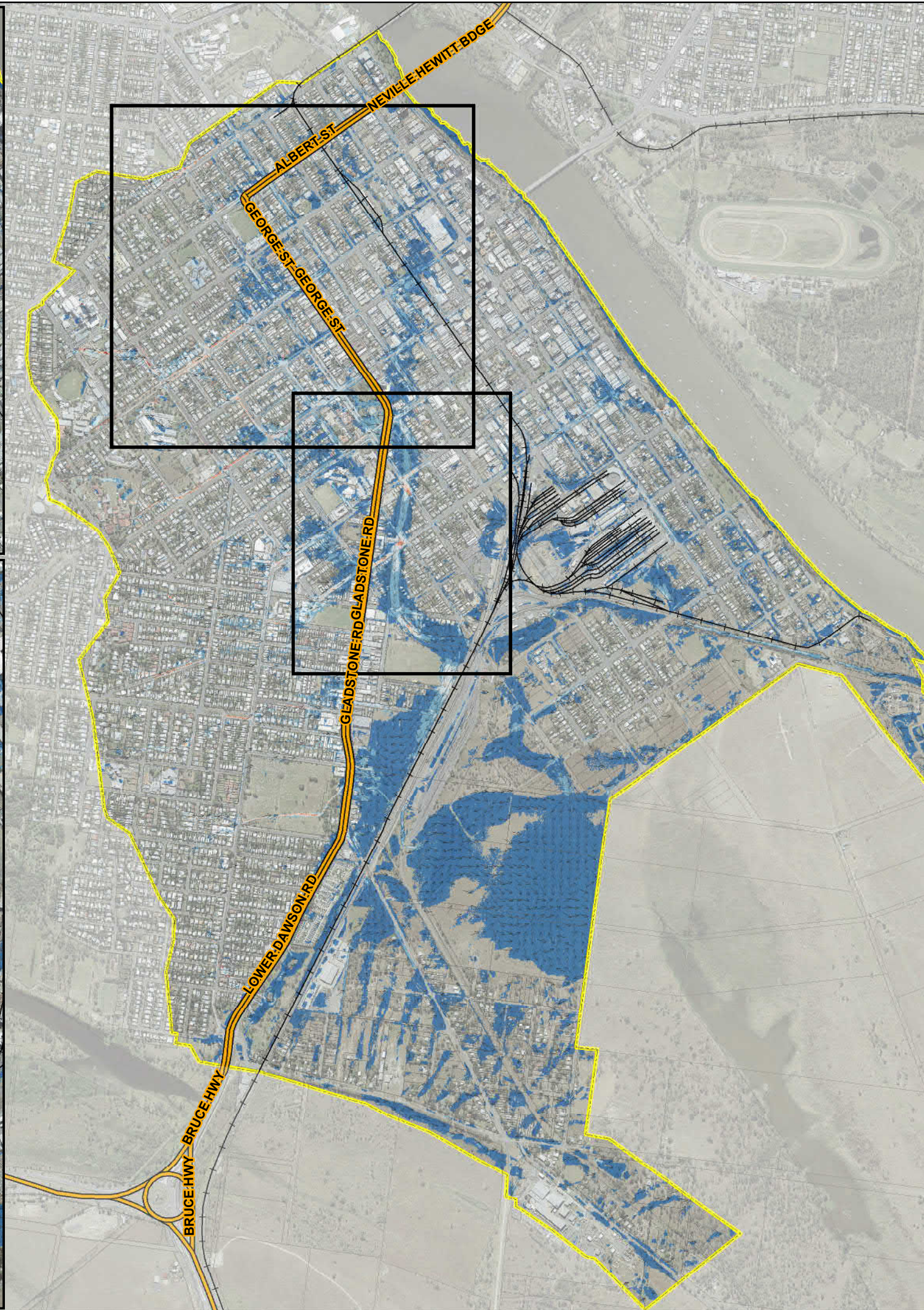
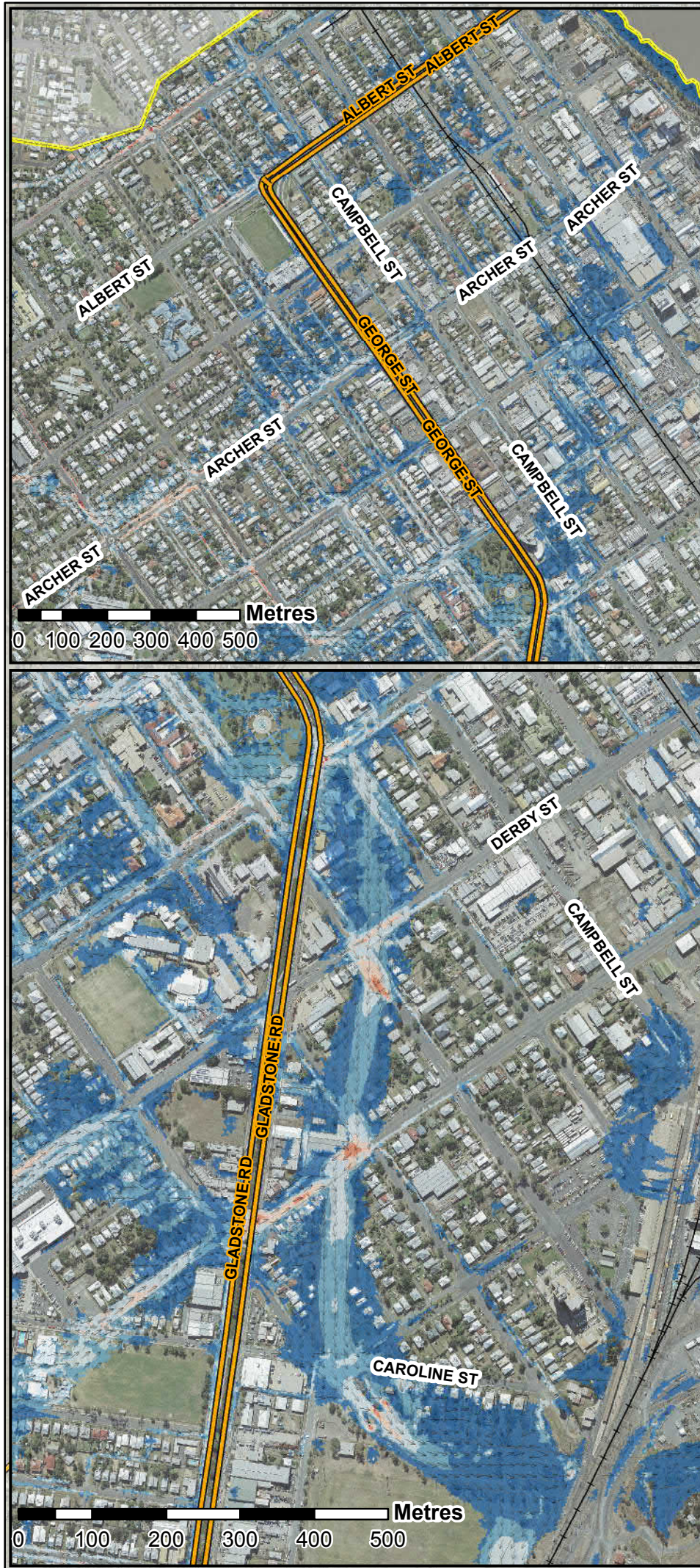
**South Rockhampton Model
Peak Flood Heights**



5% AEP 120m Storm Event

PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 5/06/2017
VERSION: 1

**Map
SR-26**

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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

- ↑ 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

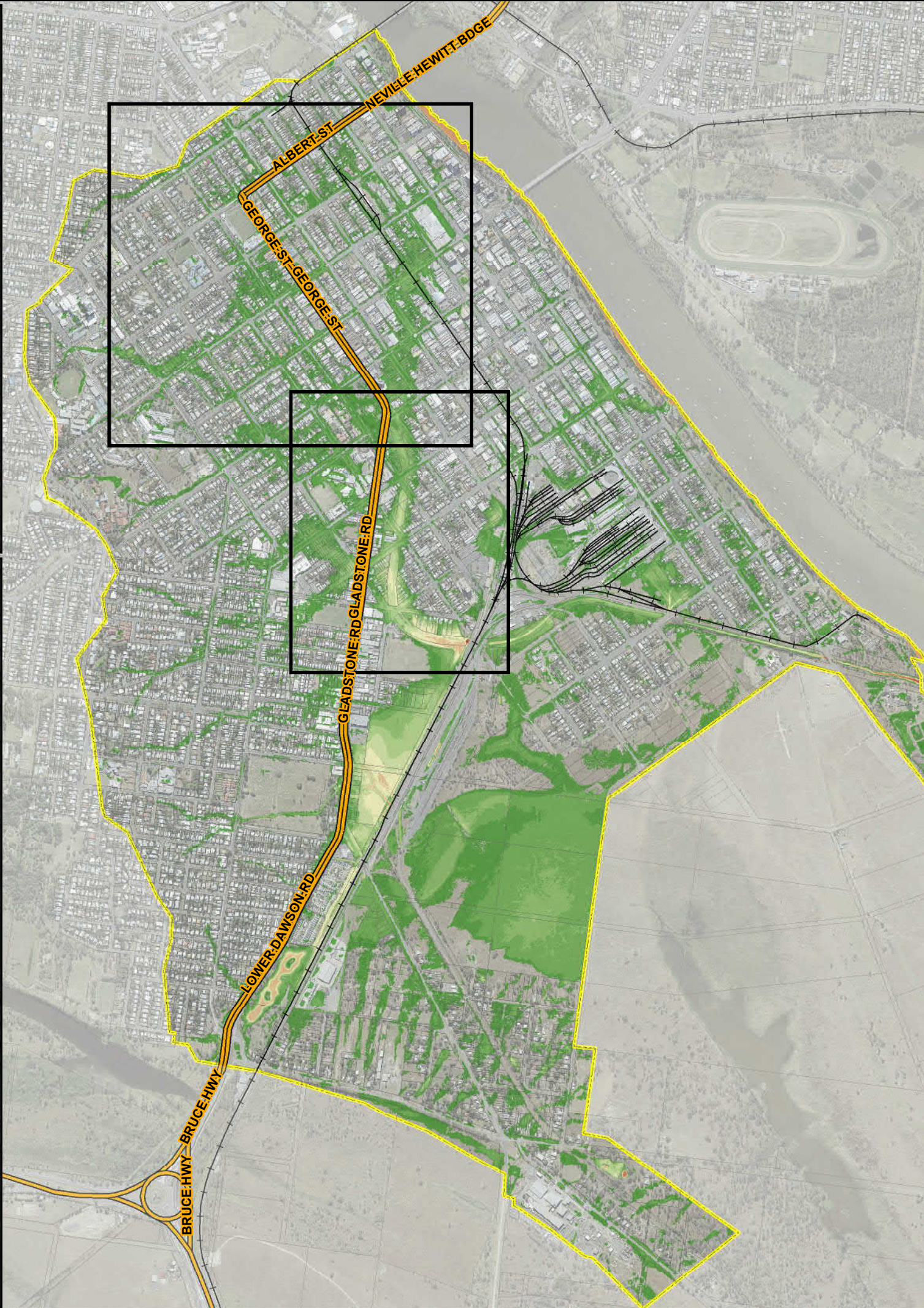
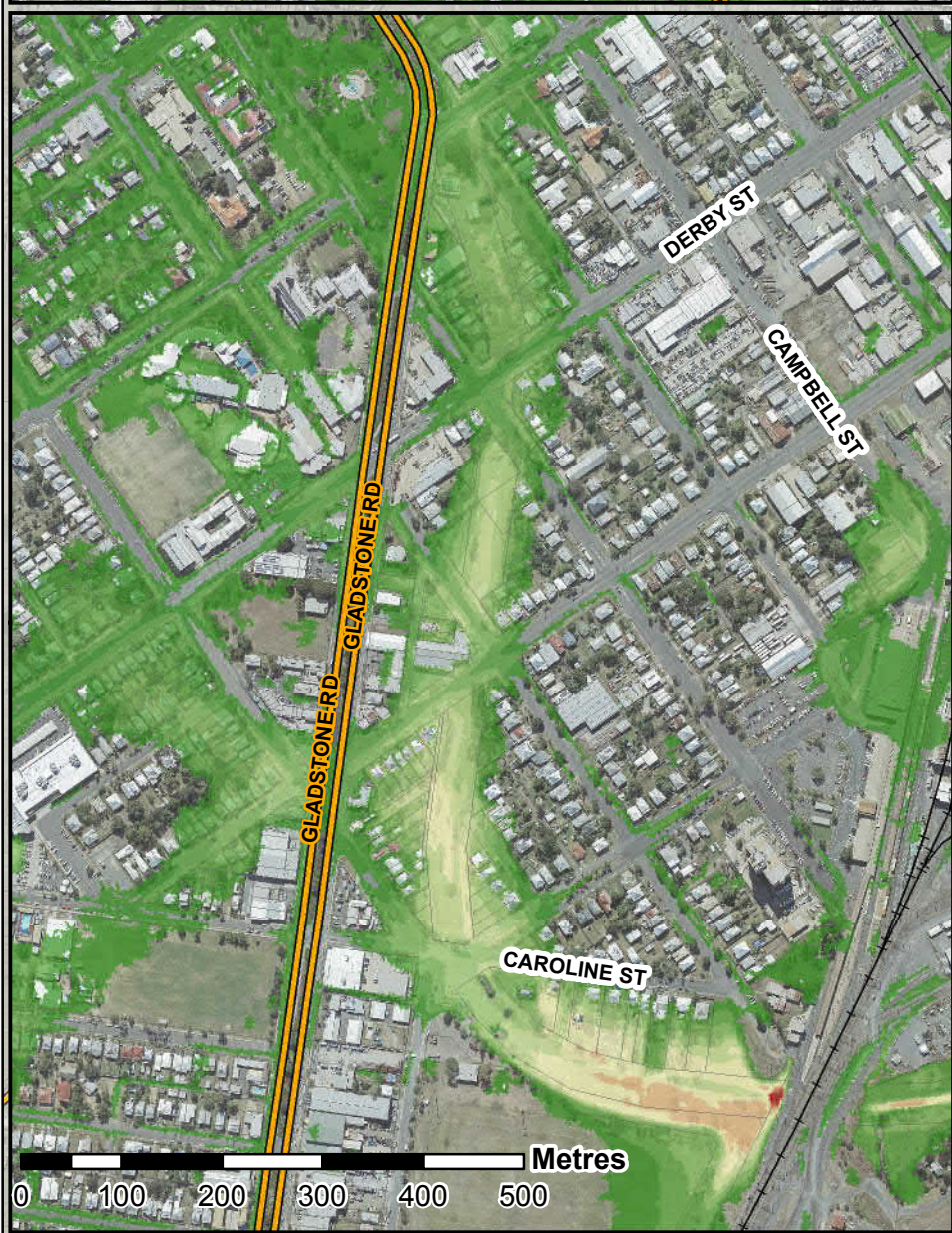
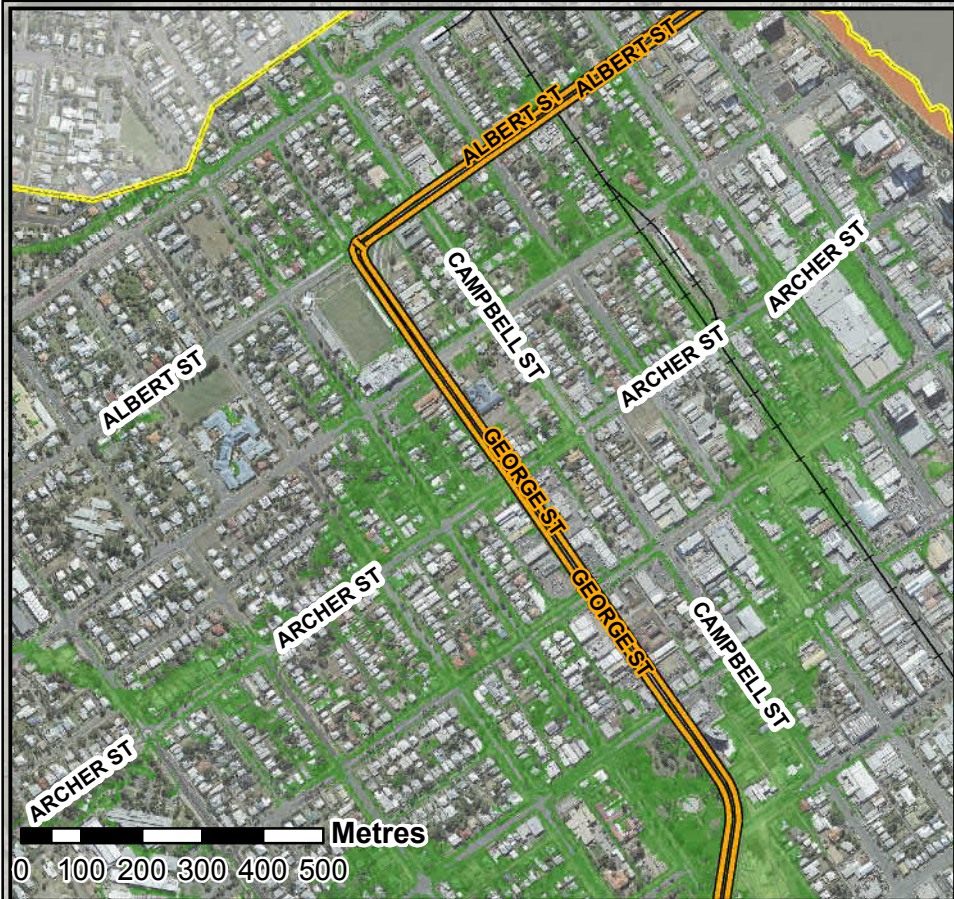
Results Filtering: 75mm Min. Depth
100m² Min. Area



South Rockhampton Model
Peak Depth Averaged Flood Velocity
5% AEP 120m Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	5/06/2017
VERSION:	2

Map
SR-27

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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

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

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

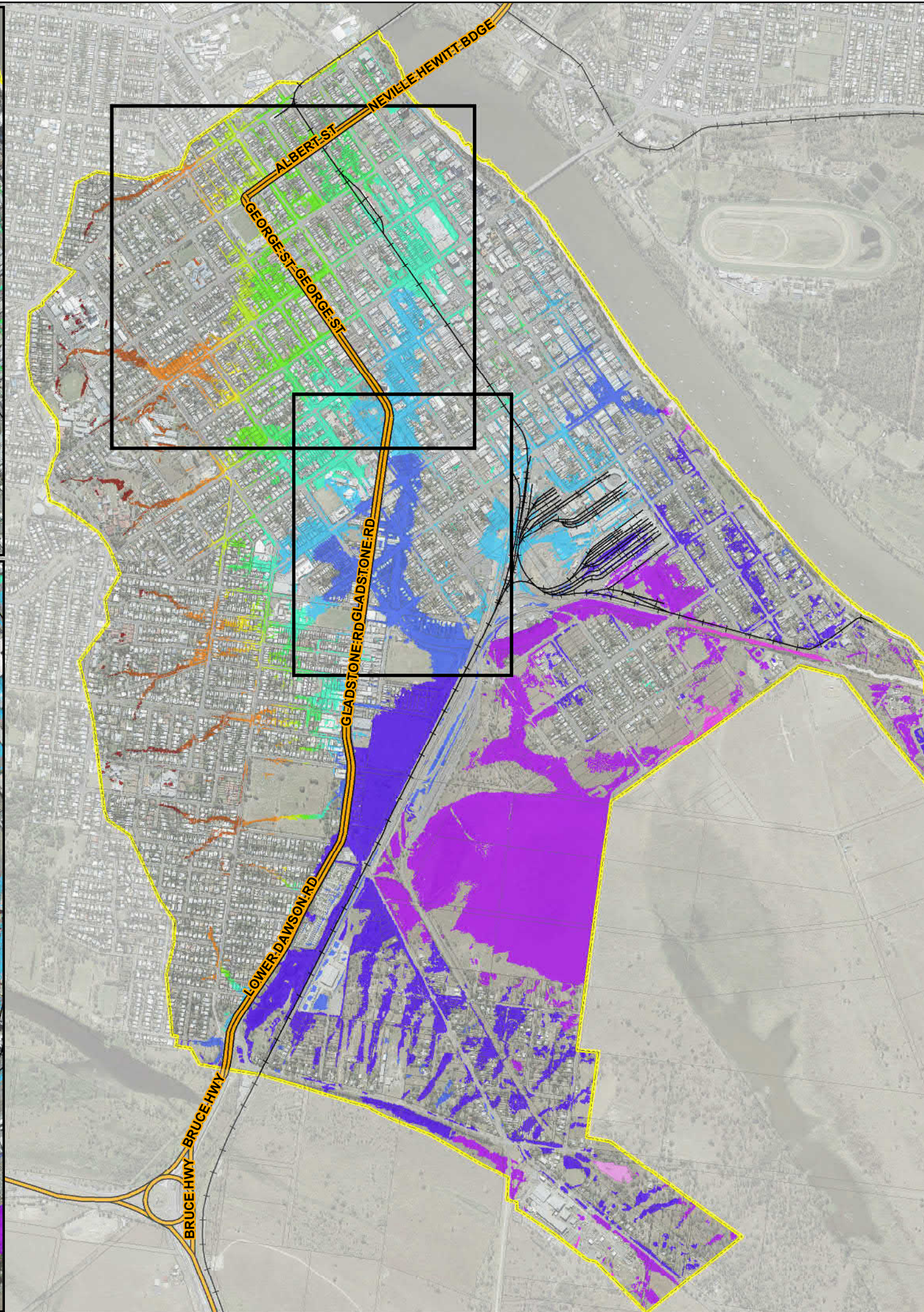
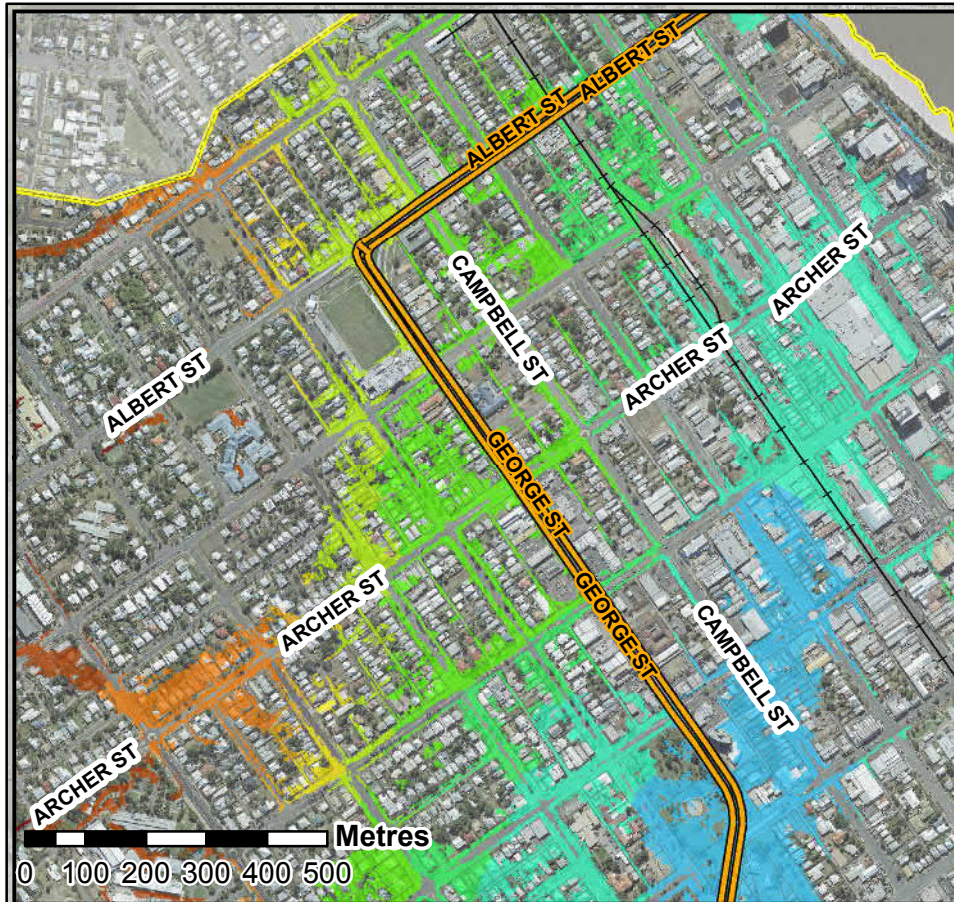
**South Rockhampton Model
Peak Flood Depths**



2% AEP 120m Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	5/06/2017
VERSION:	1

**Map
SR-28**

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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

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

Peak Flood Height (mAHD)

< 3.00
3.01 - 4.00
4.01 - 5.00
5.01 - 6.00
6.01 - 7.00
7.01 - 8.00
8.01 - 9.00
9.01 - 10.00
10.01 - 11.00
11.01 - 12.00
12.01 - 13.00
13.01 - 14.00
14.01 - 15.00
15.01 - 20.00
20.01 - 30.00
> 30.00

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

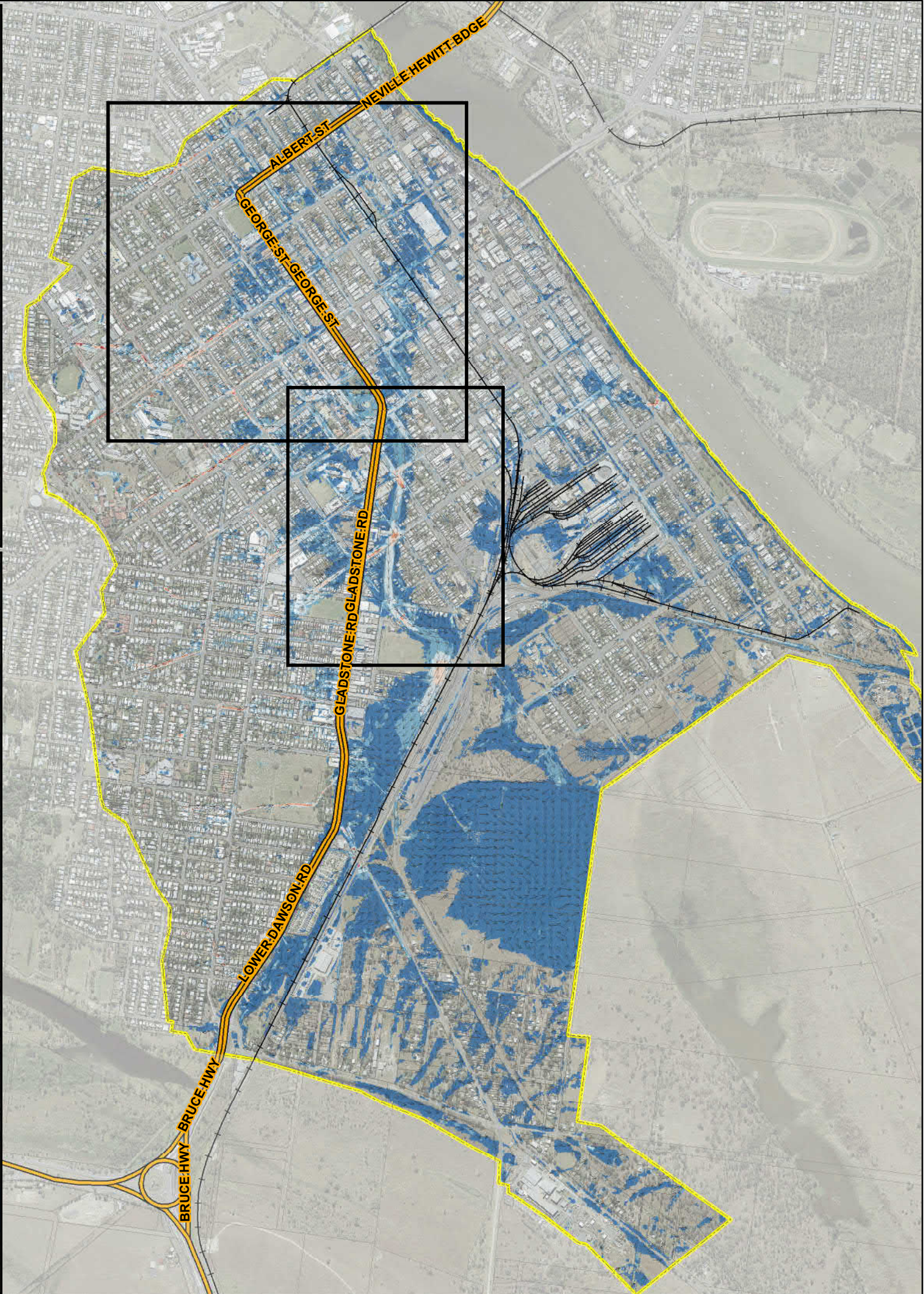
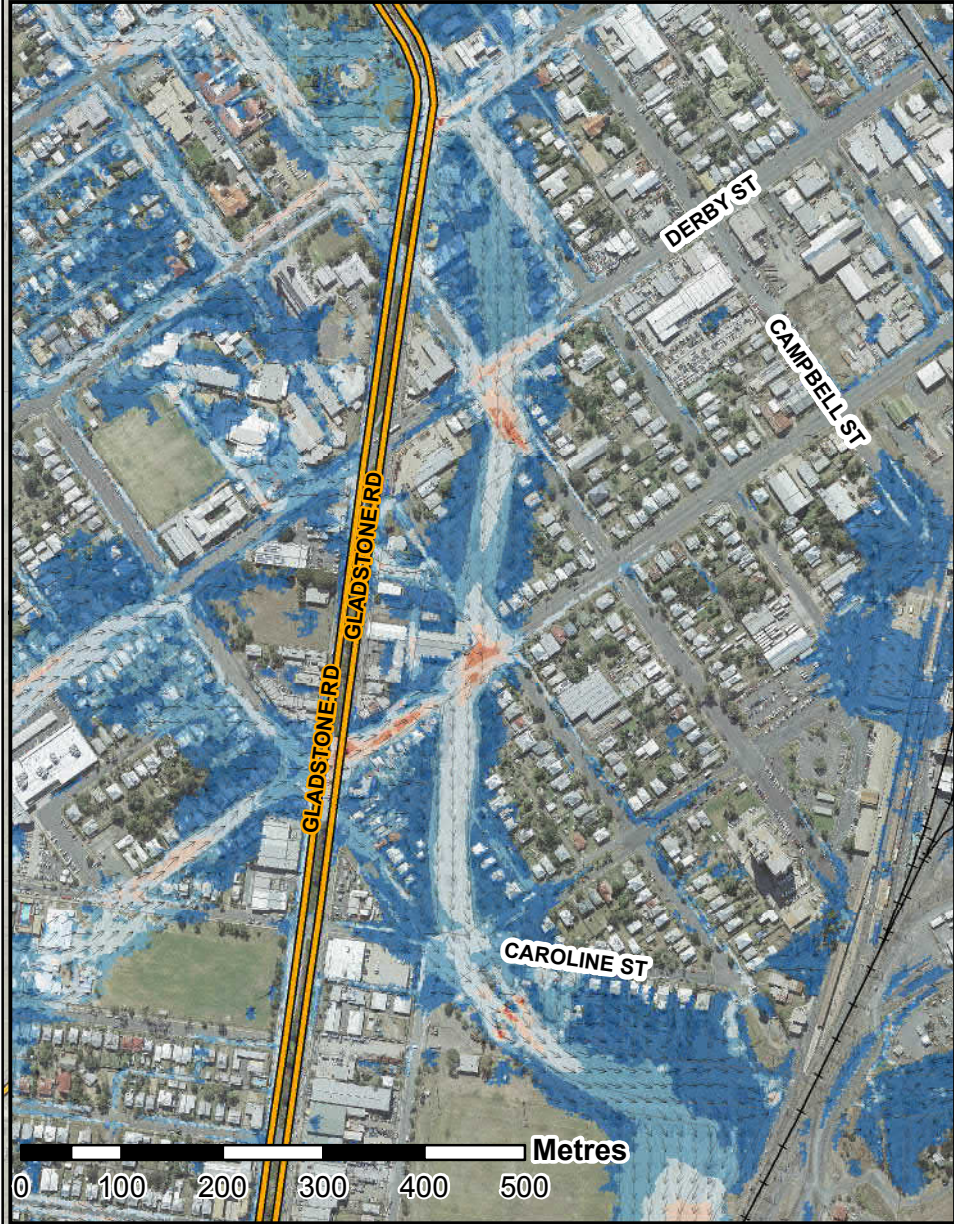
**South Rockhampton Model
Peak Flood Heights**



2% AEP 120m Storm Event

PROJECT ID: 60534898
CREATED BY: maultbyj
LAST MODIFIED: 5/06/2017
VERSION: 1

**Map
SR-29**

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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

- ↑ 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

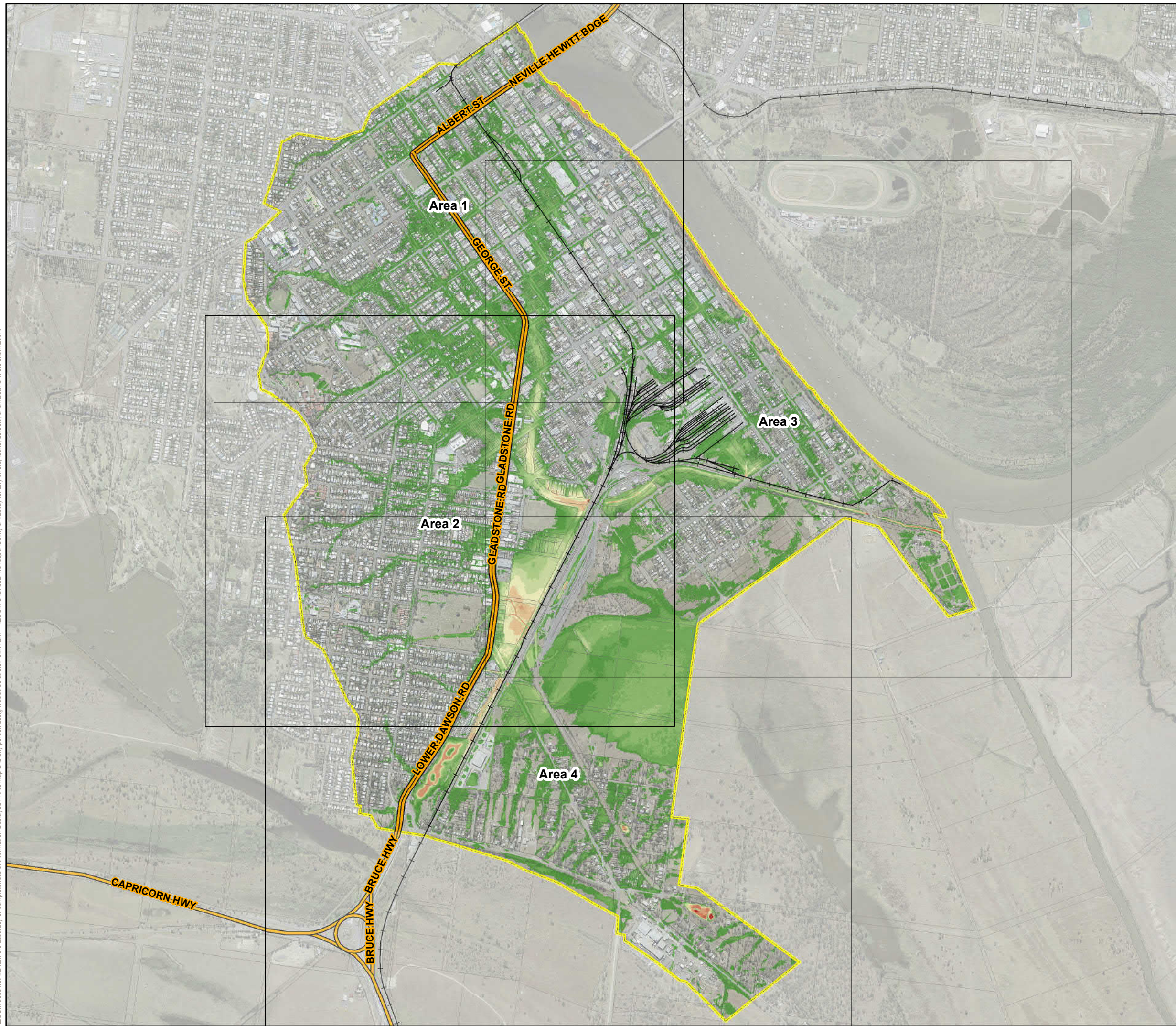
Results Filtering: 75mm Min. Depth
100m² Min. Area



South Rockhampton Model
Peak Depth Averaged Flood Velocity
2% AEP 120m Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	5/06/2017
VERSION:	2

Map
SR-30

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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

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

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

South Rockhampton Model

Peak Flood Depths - Catchment Overview

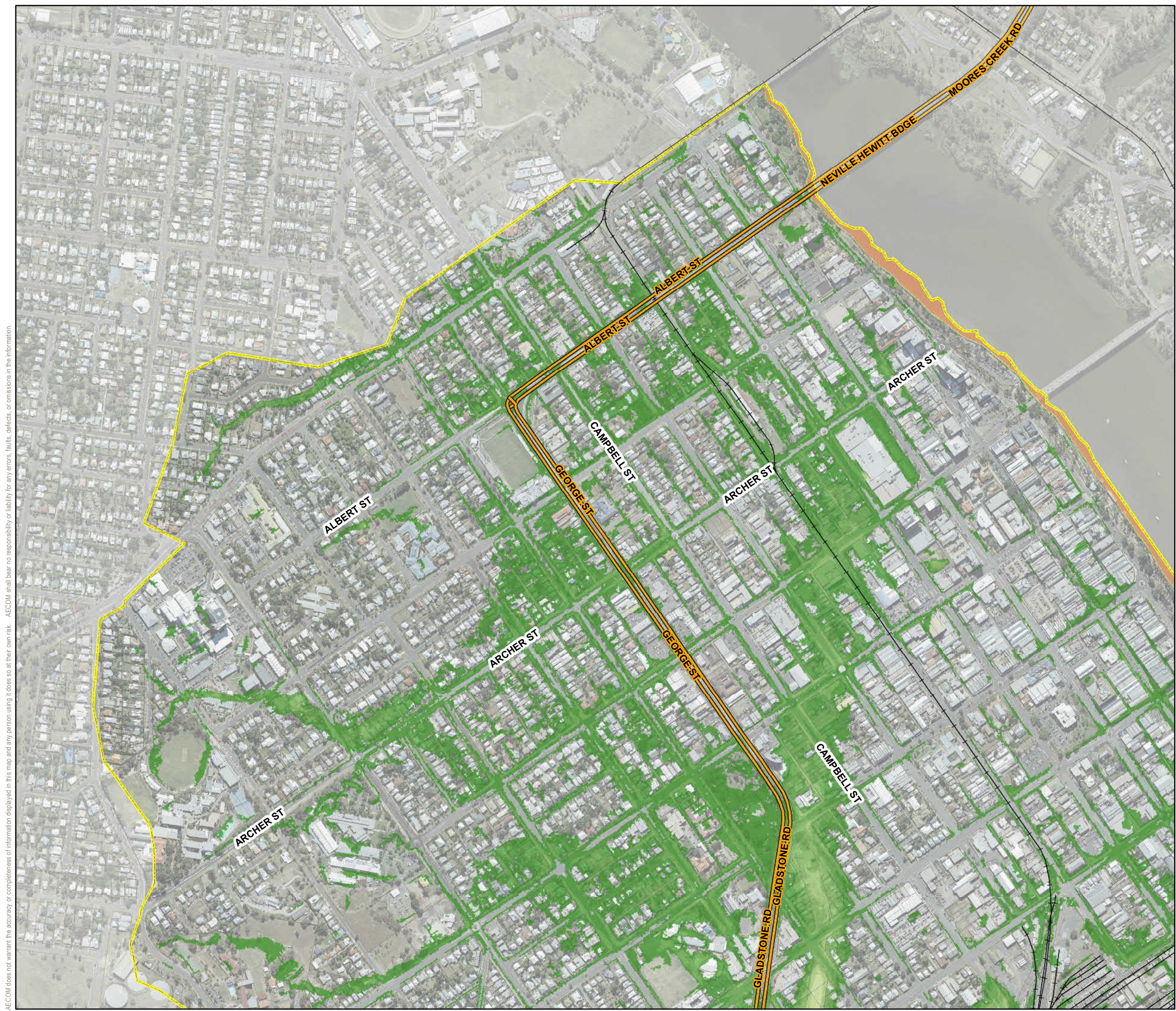
1% AEP (across multiple storm durations)



PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	4/09/2017
VERSION:	2

Map

SR-31

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DATUM GDA 1994, PROJECTION MGA ZONE 56

0 100 200 300 400

Metres

1:8,000
(when printed at A3)



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LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

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

**South Rockhampton Model
Peak Flood Depths - Area 1**

1% AEP (across multiple storm durations)

PROJECT ID	60534898
CREATED BY	maultbyj
LAST MODIFIED	4/09/2017
VERSION:	2

**Map
SR-32**

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N

DATUM GDA 1994, PROJECTION MGA ZONE 56

0 100 200 300 400

Metres

1:8,000
(when printed at A3)

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LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

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

**South Rockhampton Model
Peak Flood Depths - Area 2**

1% AEP (across multiple storm durations)

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	4/09/2017
VERSION:	2

**Map
SR-33**

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DATUM GDA 1994, PROJECTION MGA ZONE 56

0100200300400500

Metres

1:10,000
(when printed at A3)

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LEGEND

Highways

Railway Lines

Cadastre

Hydraulic Model Extent

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

South Rockhampton Model
Peak Flood Depths - Area 3

1% AEP (across multiple storm durations)

PROJECT ID60534898

CREATED BYmaultbyj

LAST MODIFIED4/09/2017

VERSION:2

Map

SR-34

Filename: P:\605x\60534898\4. Tech Work Area\4.99 GIS\3. MXDs\South Rockhampton Publishing\Mapping for Volume 2 Rev 2\SR-34_1p00AEP_Depth_Area3.mxd

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DATUM GDA 1994, PROJECTION MGA ZONE 56

0100200300400500

Metres

1:10,000
(when printed at A3)

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LEGEND

Highways

Railway Lines

Cadastre

Hydraulic Model Extent

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

South Rockhampton Model
Peak Flood Depths - Area 4

1% AEP (across multiple storm durations)

PROJECT ID60534898

CREATED BYmaulbyj

LAST MODIFIED4/09/2017

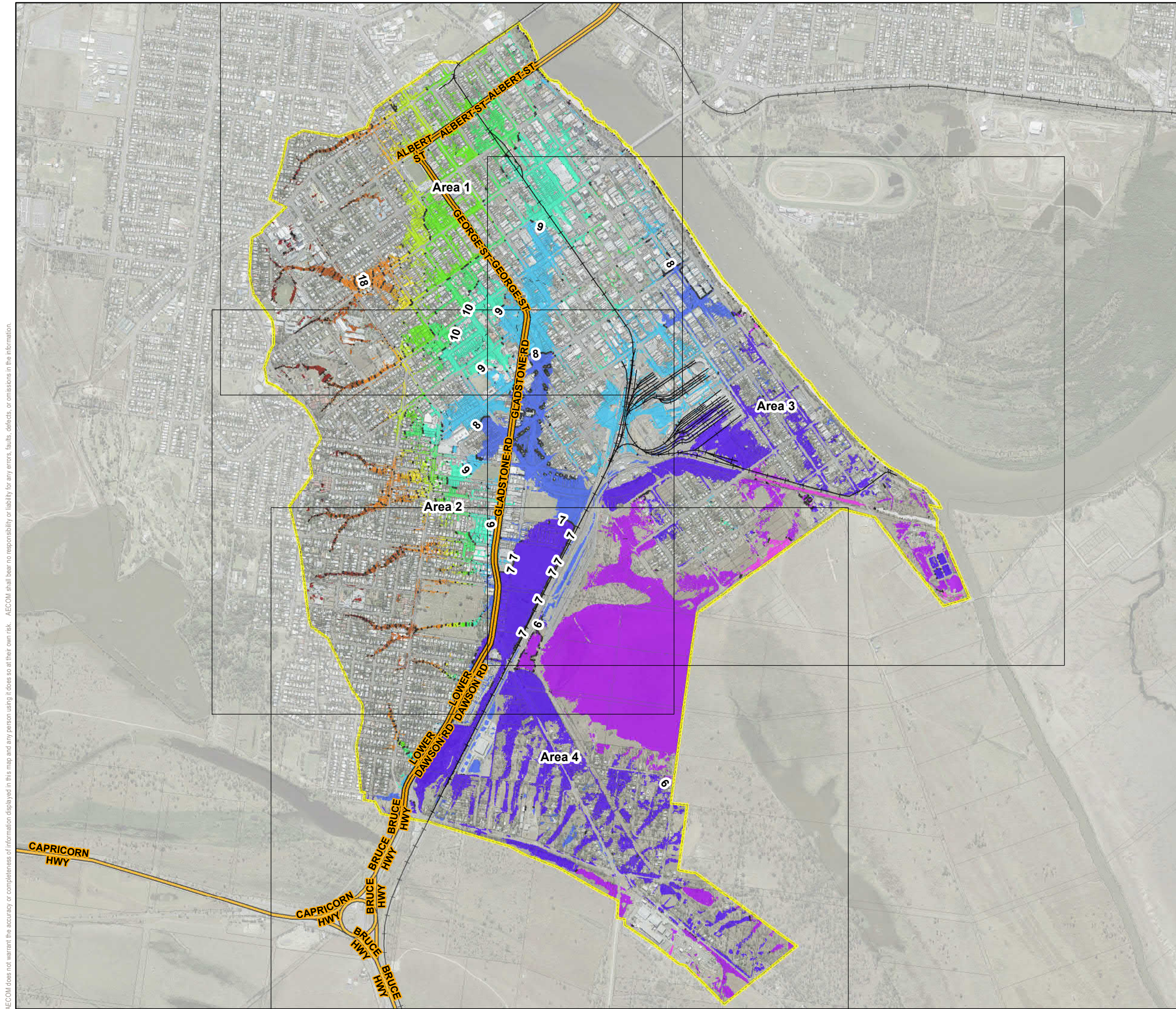
VERSION:2

Map

SR-35

Filename: P:\605x\60534898\4. Tech Work Area\4.99 GIS\3. MXDs\South Rockhampton Publishing\Mapping for Volume 2 Rev 2\SR-35_1p00AEP_Depth_Area4.mxd

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DATUM GDA 1994, PROJECTION MGA ZONE 56

02004006008001,000

Metres

1:20,000
(when printed at A3)

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LEGEND

0.5m Contour

—

1m Contour

—

Highways

—+—

Railway Lines

□

Cadastre

□

Hydraulic Model Extent

Peak Flood Height (mAHD)

□

< 3.00

□

3.01 - 4.00

□

4.01 - 5.00

□

5.01 - 6.00

□

6.01 - 7.00

□

7.01 - 8.00

□

8.01 - 9.00

□

9.01 - 10.00

□

10.01 - 11.00

□

11.01 - 12.00

□

12.01 - 13.00

□

13.01 - 14.00

□

14.01 - 15.00

□

15.01 - 20.00

□

20.01 - 30.00

□

> 30.00

Flood results are based
on local catchment events

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

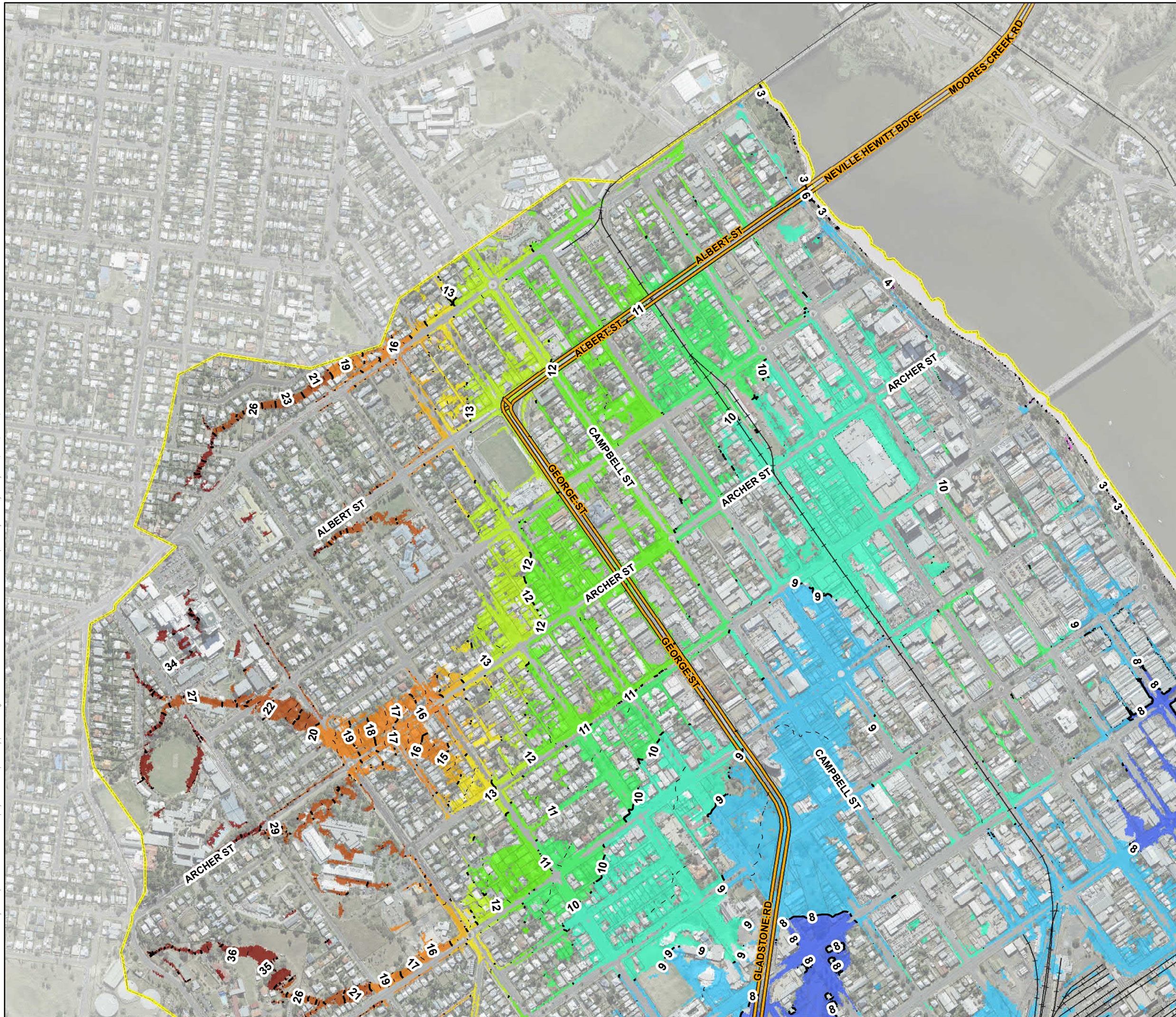
Results Filtering:75mm Min. Depth100m² Min. Area

South Rockhampton Model
Peak Flood Heights - Catchment Overview

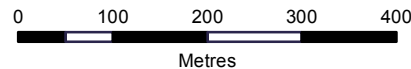
1% AEP (across multiple storm durations)

PROJECT ID	60534898	Map SR-36
CREATED BY	maulbyj	
LAST MODIFIED	4/09/2017	
VERSION:	2	

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DATUM GDA 1994, PROJECTION MGA ZONE 56



1:8,000
(when printed at A3)



LEGEND

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

Peak Flood Height (mAHD)

- < 3.00
- 3.01 - 4.00
- 4.01 - 5.00
- 5.01 - 6.00
- 6.01 - 7.00
- 7.01 - 8.00
- 8.01 - 9.00
- 9.01 - 10.00
- 10.01 - 11.00
- 11.01 - 12.00
- 12.01 - 13.00
- 13.01 - 14.00
- 14.01 - 15.00
- 15.01 - 20.00
- 20.01 - 30.00
- > 30.00

**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

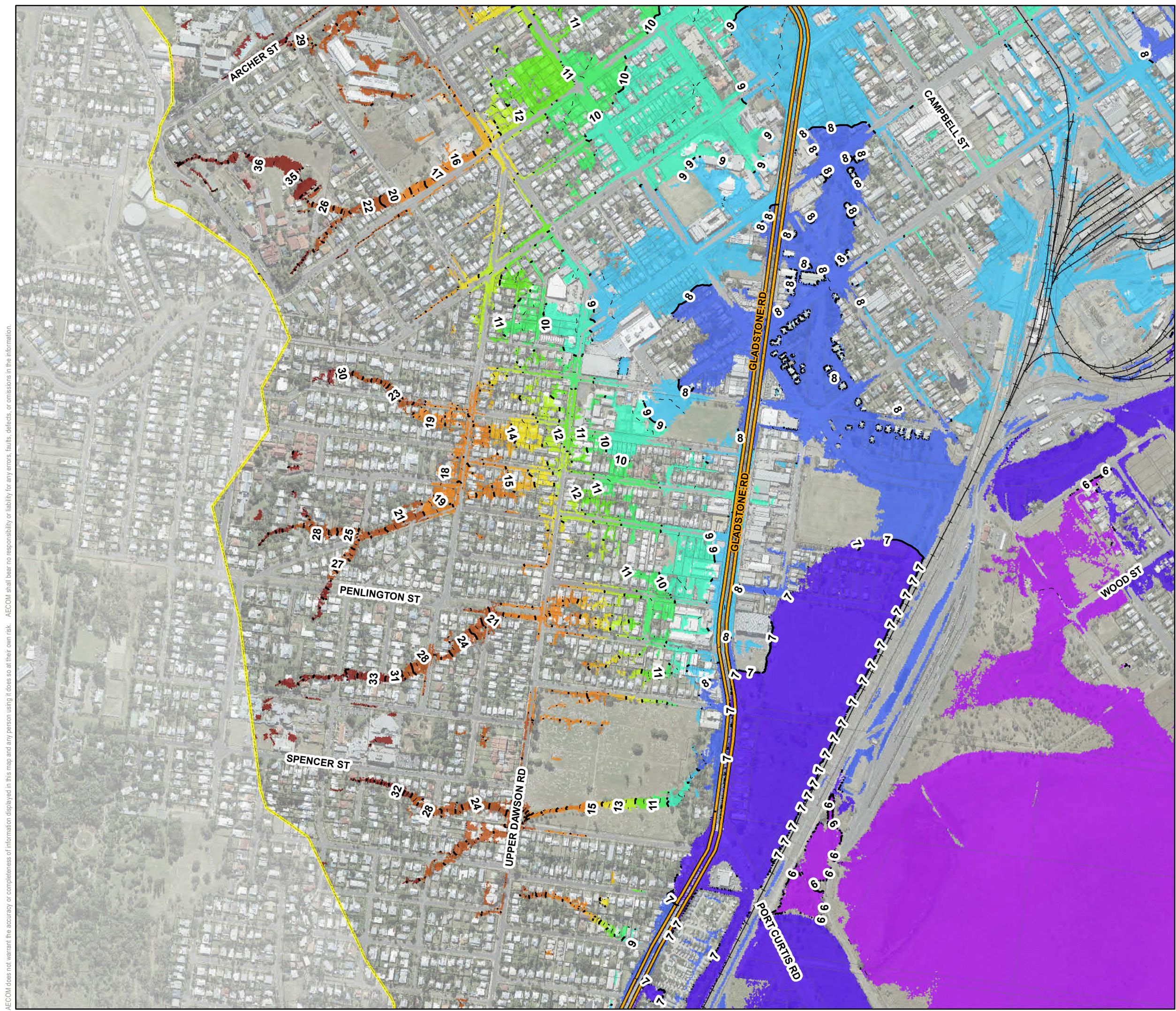
**South Rockhampton Model
Peak Flood Heights - Area 1**



1% AEP (across multiple storm durations)

PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 4/09/2017
VERSION: 2

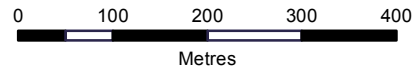
**Map
SR-37**

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DATUM GDA 1994, PROJECTION MGA ZONE 56



0 100 200 300 400
Metres

1:8,000
(when printed at A3)



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LEGEND

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

Peak Flood Height (mAHD)

< 3.00
3.01 - 4.00
4.01 - 5.00
5.01 - 6.00
6.01 - 7.00
7.01 - 8.00
8.01 - 9.00
9.01 - 10.00
10.01 - 11.00
11.01 - 12.00
12.01 - 13.00
13.01 - 14.00
14.01 - 15.00
15.01 - 20.00
20.01 - 30.00
> 30.00

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

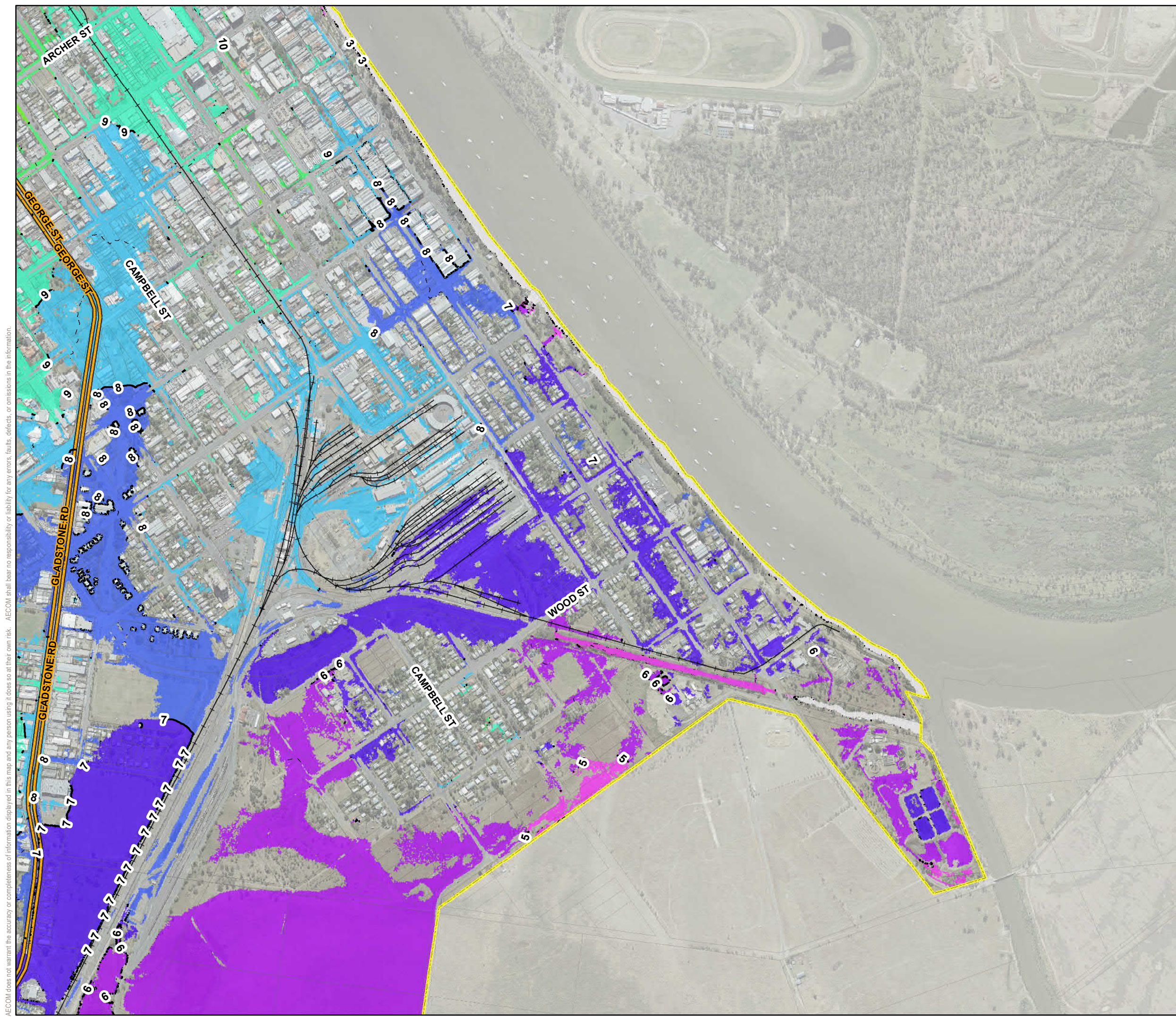
**South Rockhampton Model
Peak Flood Heights - Area 2**


1% AEP (across multiple storm durations)

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	4/09/2017
VERSION:	2


**Map
SR-38**

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N




Rockhampton
Regional Council

DATUM GDA 1994, PROJECTION MGA ZONE 56

0100200300400500

Metres

1:10,000
(when printed at A3)



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LEGEND

0.5m Contour

—

1m Contour

—

Highways

—+—

Railway Lines

□

Cadastre

□

Hydraulic Model Extent

Peak Flood Height (mAHD)

□

< 3.00

□

3.01 - 4.00

□

4.01 - 5.00

□

5.01 - 6.00

□

6.01 - 7.00

□

7.01 - 8.00

□

8.01 - 9.00

□

9.01 - 10.00

□

10.01 - 11.00

□

11.01 - 12.00

□

12.01 - 13.00

□

13.01 - 14.00

□

14.01 - 15.00

□

15.01 - 20.00

□

20.01 - 30.00

□

> 30.00

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

South Rockhampton Model
Peak Flood Heights - Area 3

1% AEP (across multiple storm durations)

PROJECT ID60534898

CREATED BYmaultbyj

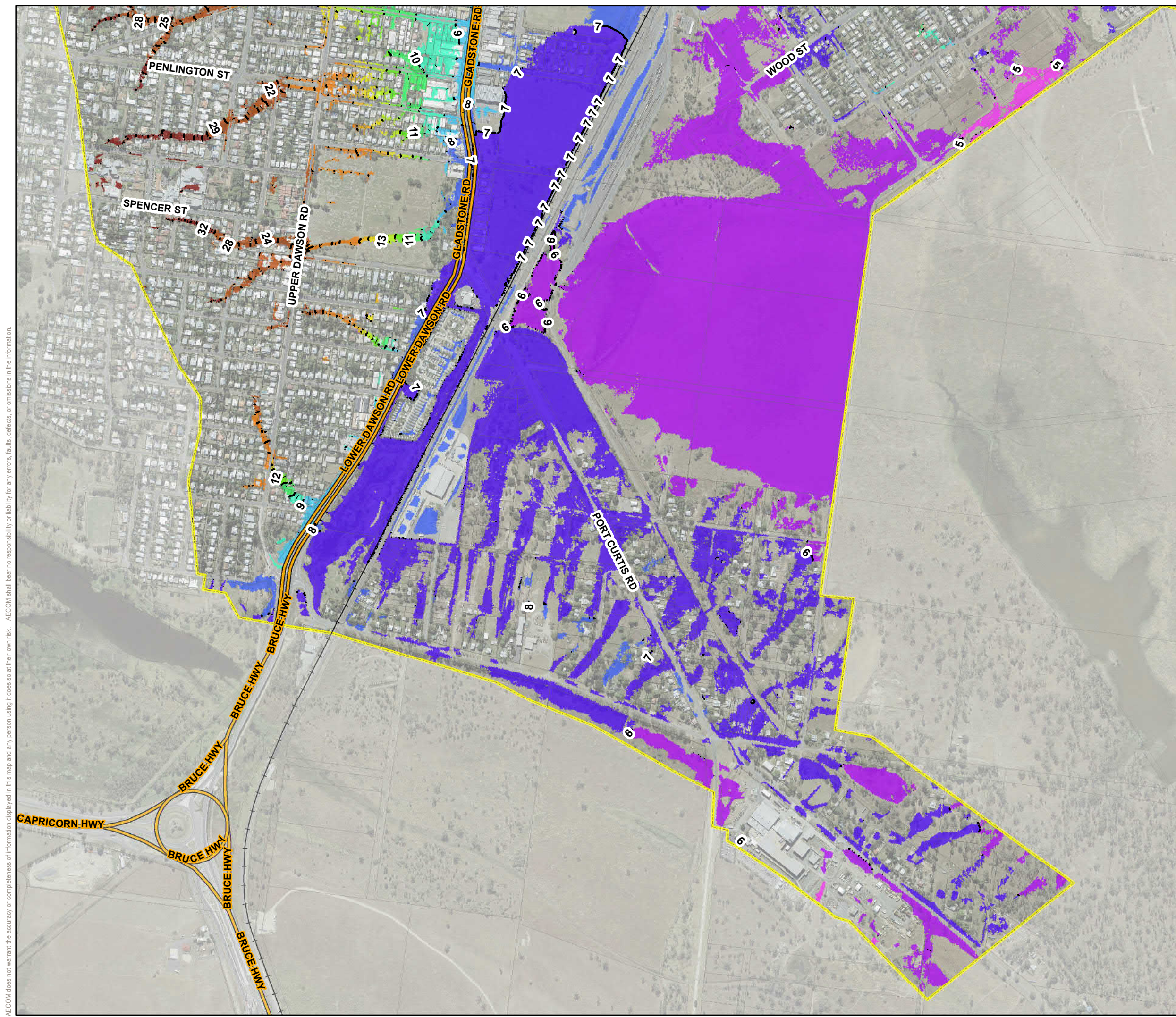
LAST MODIFIED7/09/2017

VERSION:2

Map

SR-39

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DATUM GDA 1994, PROJECTION MGA ZONE 56

0 100 200 300 400 500

Metres

1:10,000
(when printed at A3)

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LEGEND

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

Peak Flood Height (mAHD)

□	< 3.00
□	3.01 - 4.00
□	4.01 - 5.00
□	5.01 - 6.00
□	6.01 - 7.00
□	7.01 - 8.00
□	8.01 - 9.00
□	9.01 - 10.00
□	10.01 - 11.00
□	11.01 - 12.00
□	12.01 - 13.00
□	13.01 - 14.00
□	14.01 - 15.00
□	15.01 - 20.00
□	20.01 - 30.00
□	> 30.00

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

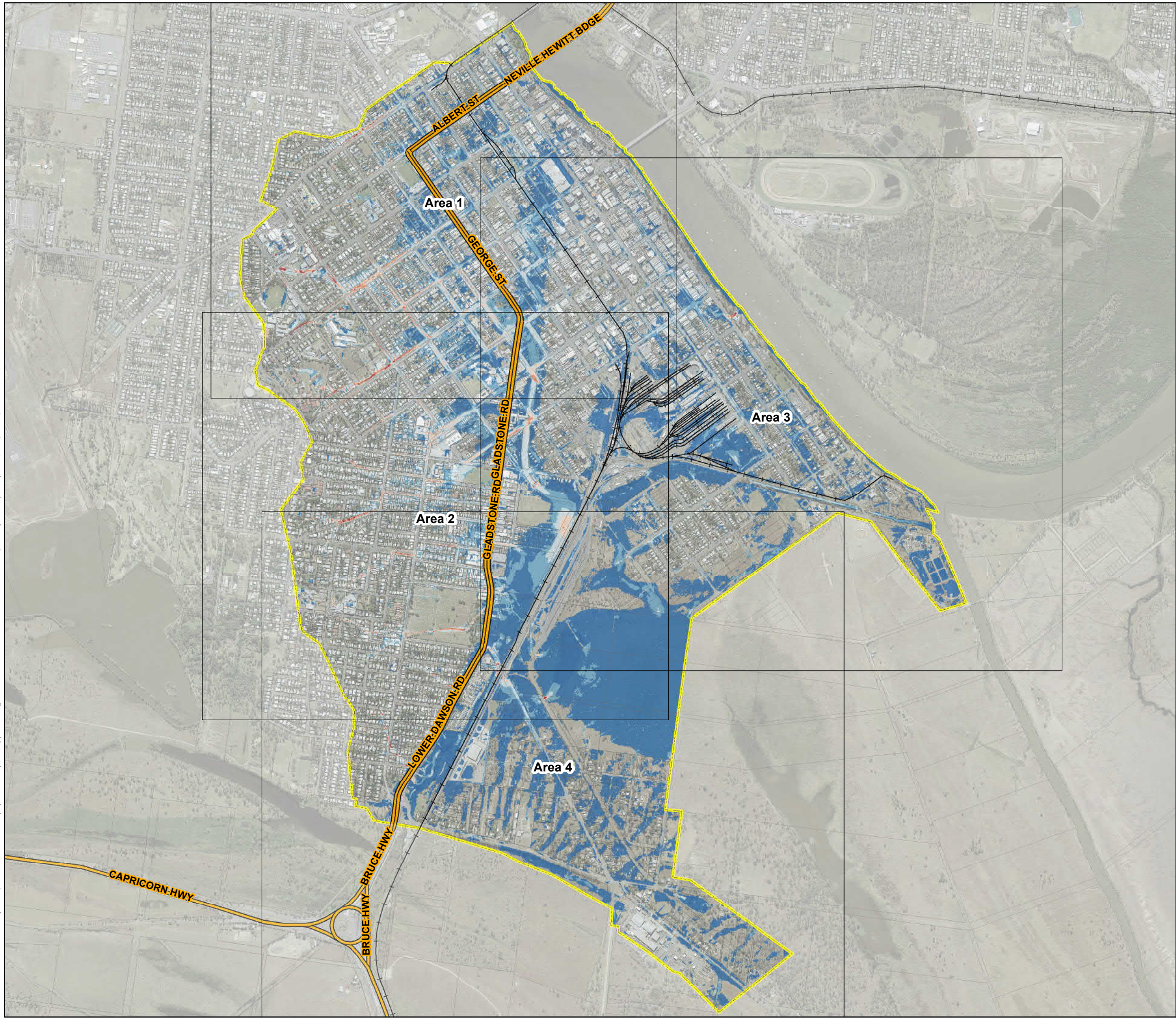
**South Rockhampton Model
Peak Flood Heights - Area 4**

1% AEP (across multiple storm durations)

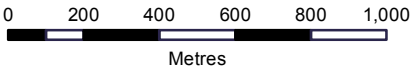
PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	4/09/2017
VERSION:	2

**Map
SR-40**

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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
- 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

**South Rockhampton Model
Peak Depth Averaged Flood Velocity
Catchment Overview**

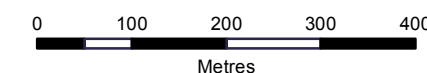
1% AEP (across multiple storm durations)

PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 4/09/2017
VERSION: 2

**Map
SR-41**








DATUM GDA 1994. PROJECTION MGA ZONE 56









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

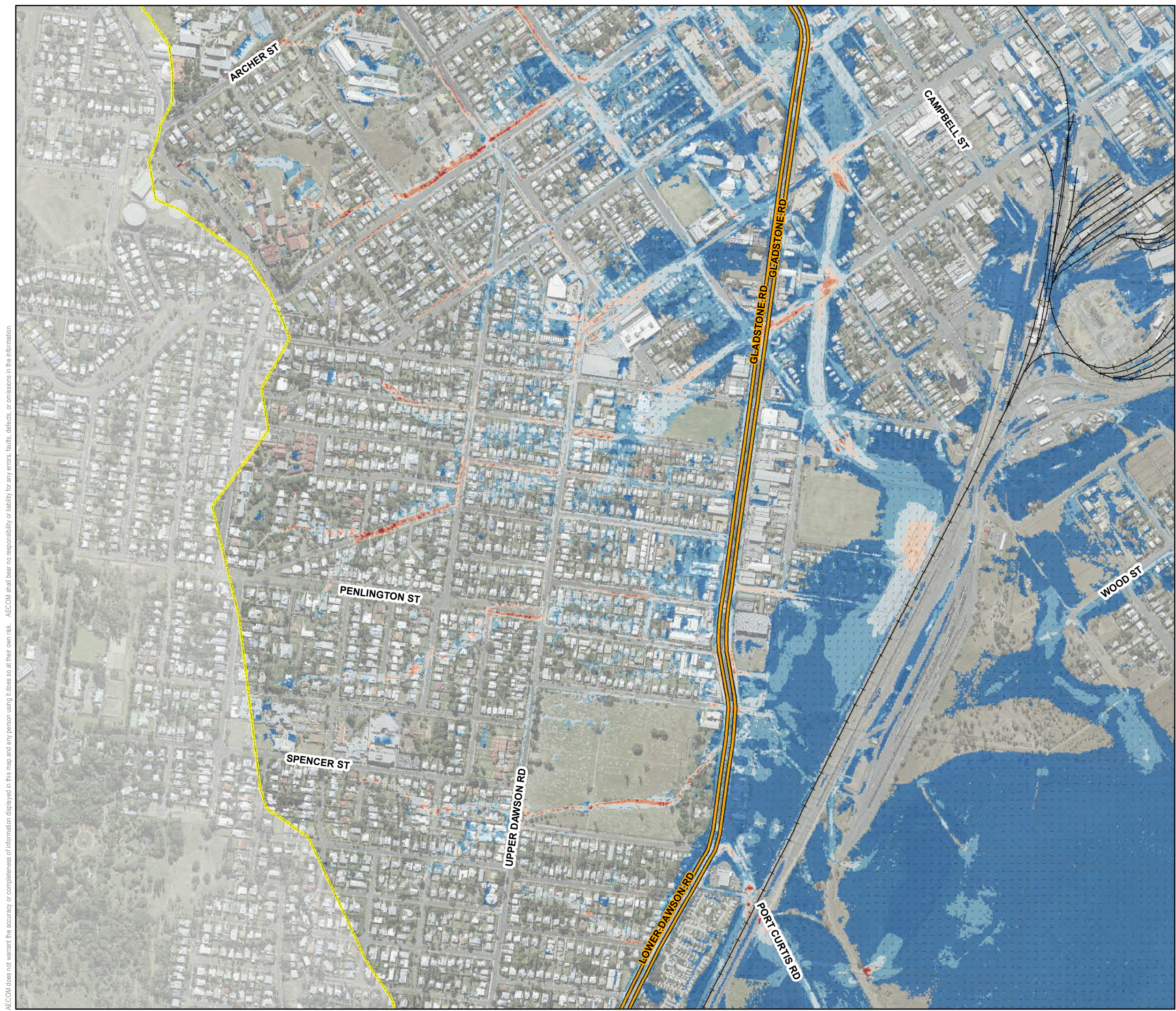
**South Rockhampton Model
Peak Depth Averaged Flood Velocity
Area 1**



1% AEP (across multiple storm durations)

PROJECT ID	60534898
CREATED BY	maultbyj
LAST MODIFIED	4/09/2017
VERSION:	2

**Map
SR-42**

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DATUM GDA 1994, PROJECTION MGA ZONE 56

0 100 200 300 400

Metres

1:8,000
(when printed at A3)



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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

South Rockhampton Model
Peak Depth Averaged Flood Velocity
Area 2

1% AEP (across multiple storm durations)

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	4/09/2017
VERSION:	2

Map
SR-43

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DATUM GDA 1994, PROJECTION MGA ZONE 56

0100200300400500

Metres

1:10,000
(when printed at A3)

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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 GovernmentImagery (c) 2016 RRC

Results Filtering:75mm Min. Depth100m² Min. Area

South Rockhampton Model
Peak Depth Averaged Flood Velocity
Area 3

1% AEP (across multiple storm durations)

PROJECT ID60534898
CREATED BYmaultbyj
LAST MODIFIED4/09/2017
VERSION:2

Map
SR-44

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DATUM GDA 1994, PROJECTION MGA ZONE 56

1:10,000
(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

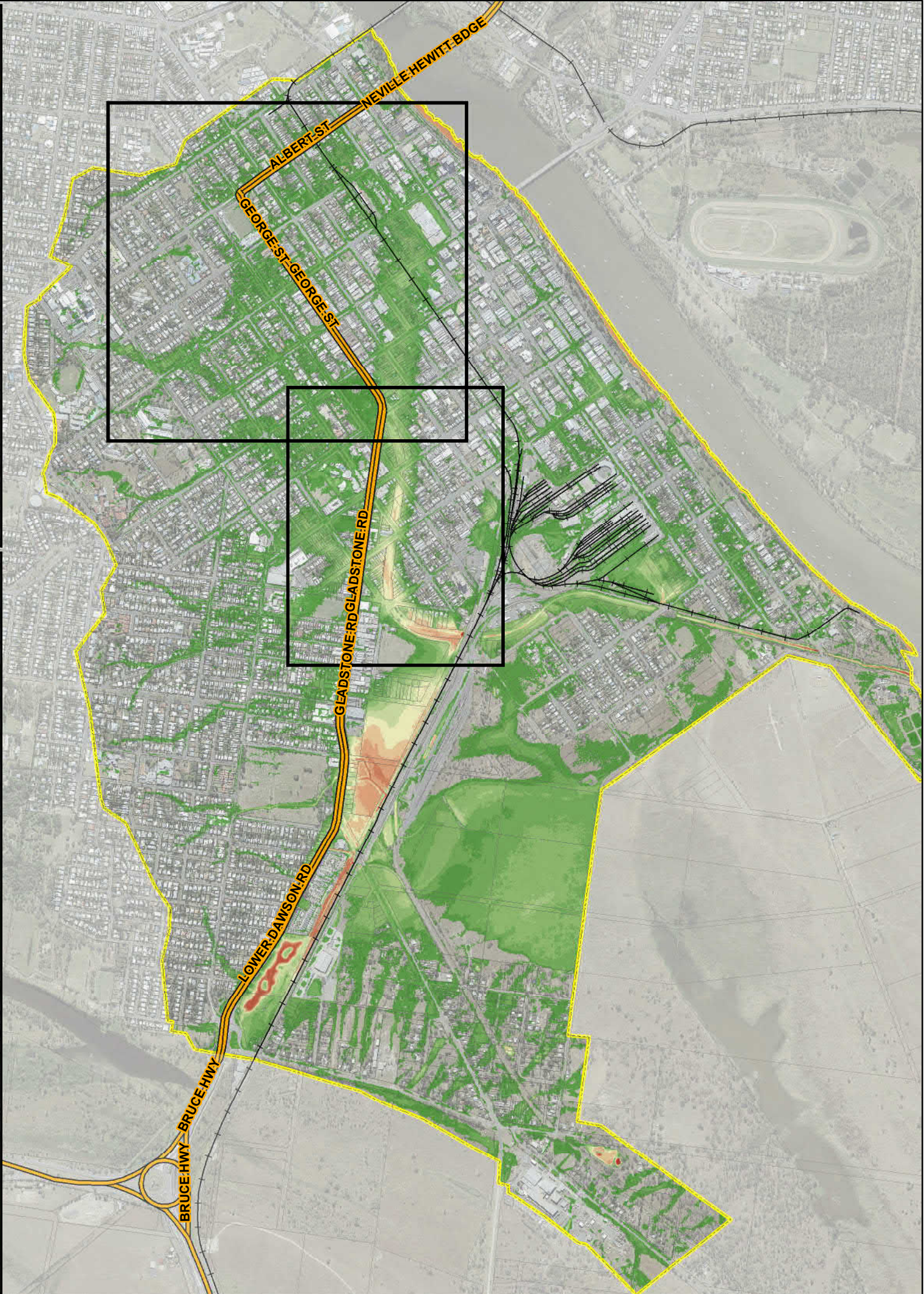
South Rockhampton Model
Peak Depth Averaged Flood Velocity
Area 4



1% AEP (across multiple storm durations)

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	4/09/2017
VERSION:	2

Map
SR-45

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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

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

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

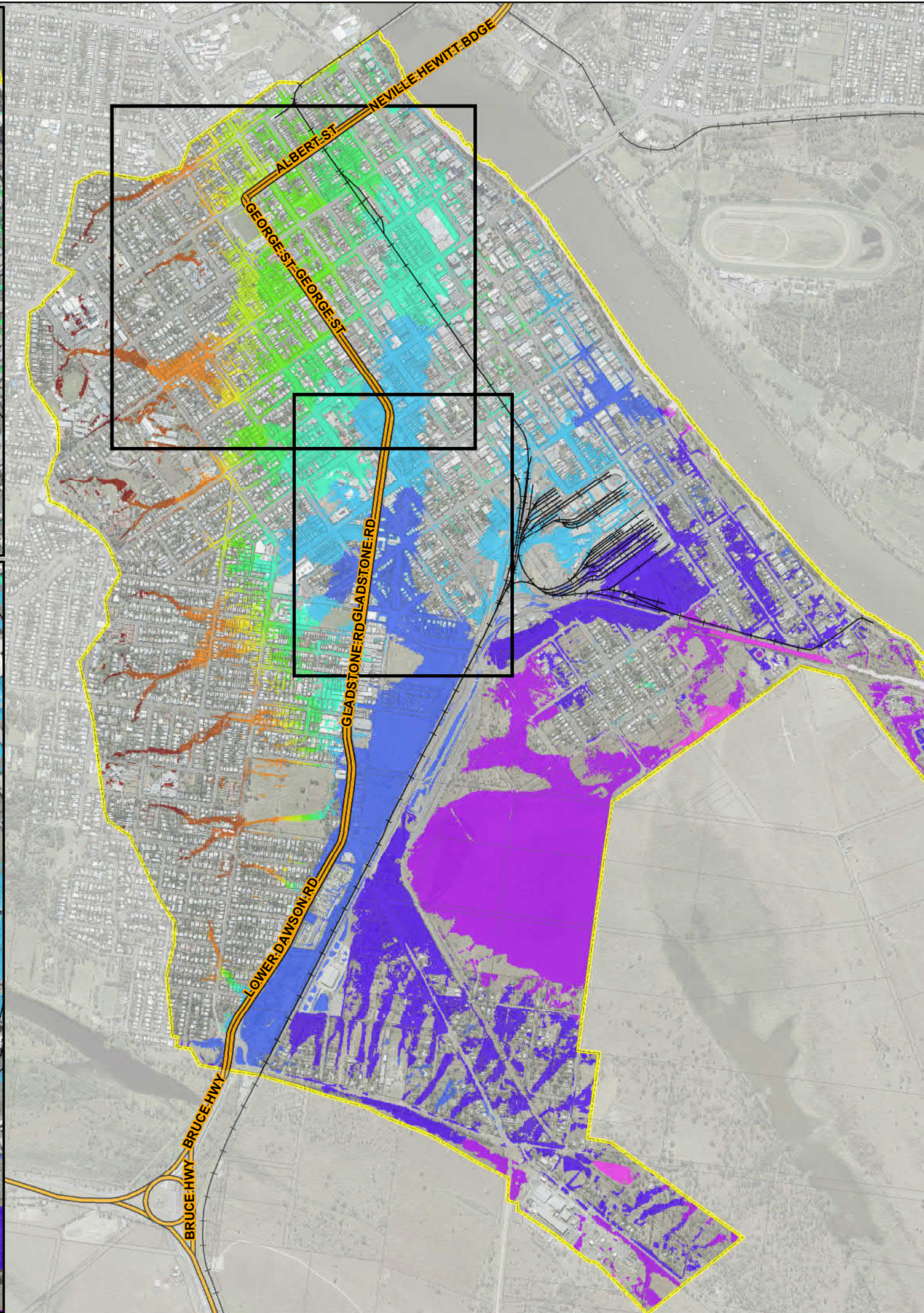
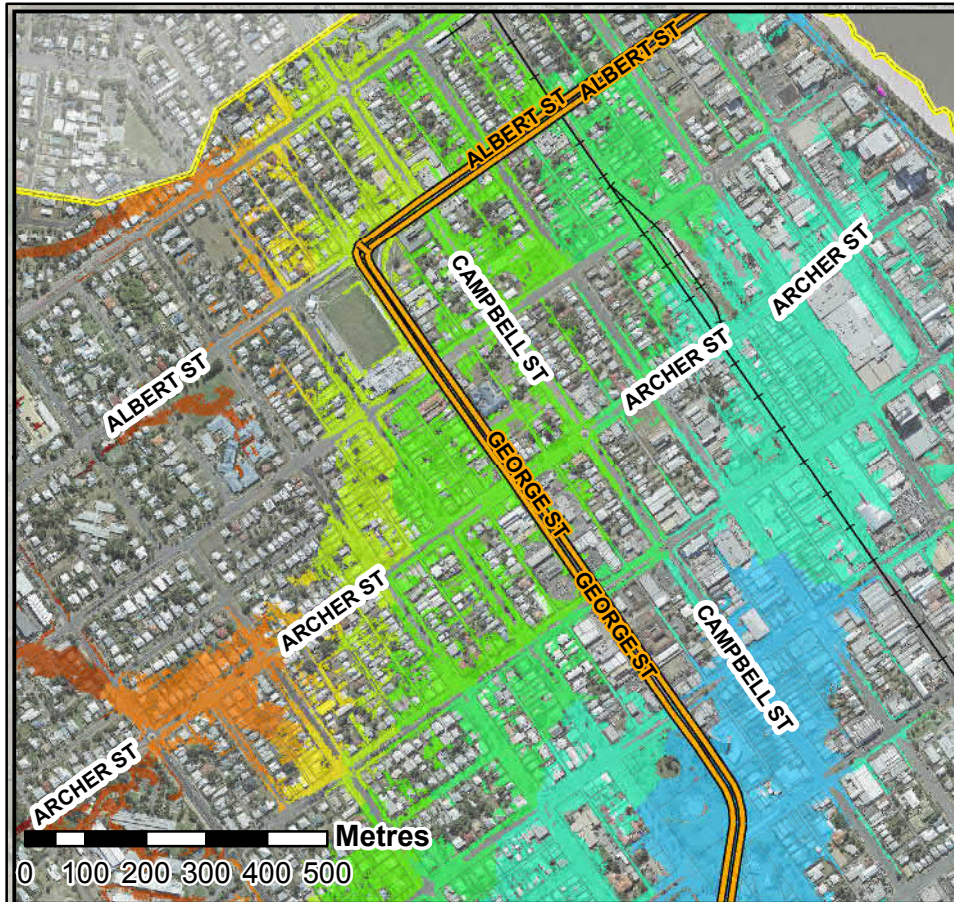
**South Rockhampton Model
Peak Flood Depths**



0.2% AEP 120m Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	5/06/2017
VERSION:	1

**Map
SR-46**

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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

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

Peak Flood Height (mAHD)

< 3.00
3.01 - 4.00
4.01 - 5.00
5.01 - 6.00
6.01 - 7.00
7.01 - 8.00
8.01 - 9.00
9.01 - 10.00
10.01 - 11.00
11.01 - 12.00
12.01 - 13.00
13.01 - 14.00
14.01 - 15.00
15.01 - 20.00
20.01 - 30.00
> 30.00

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

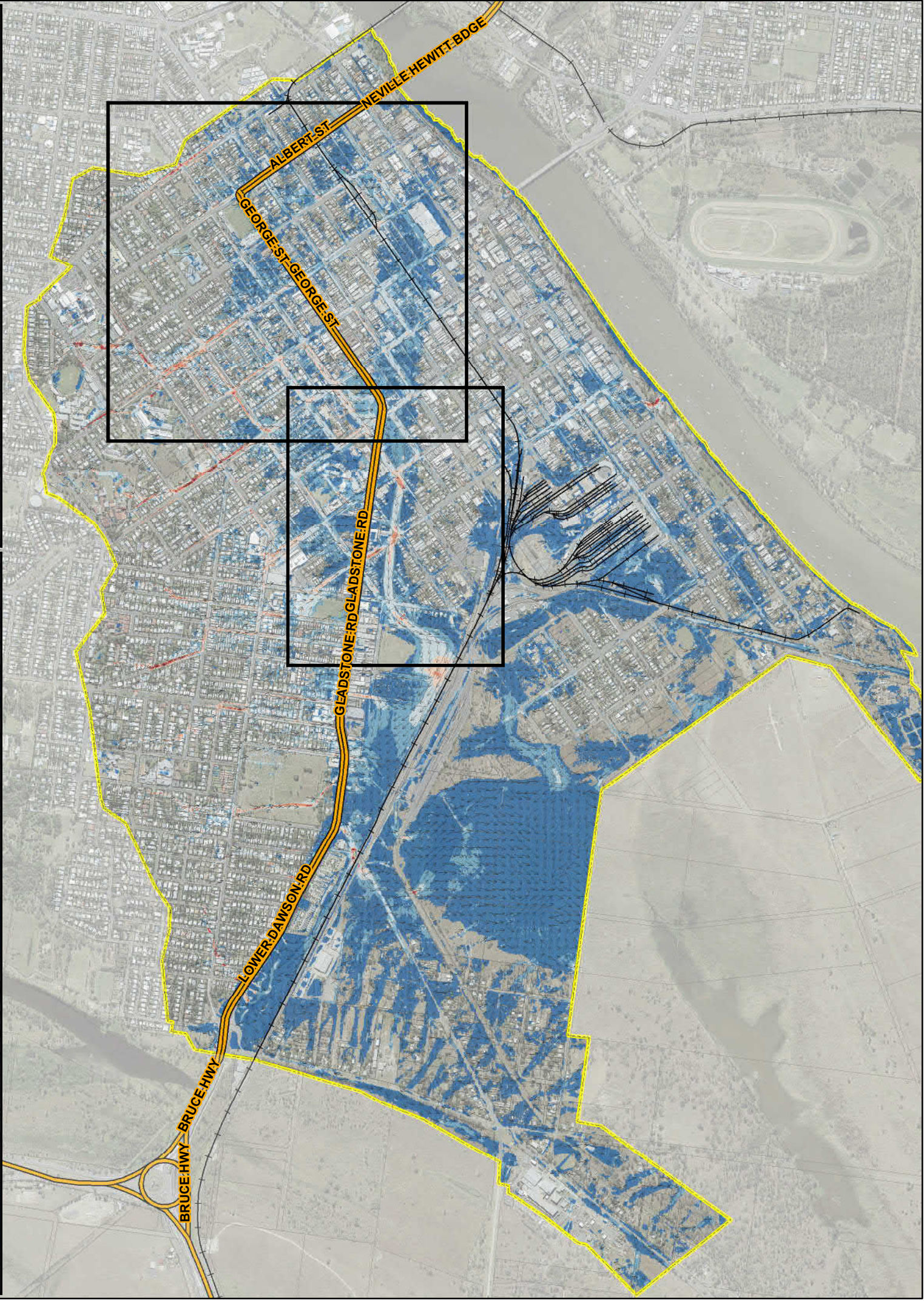
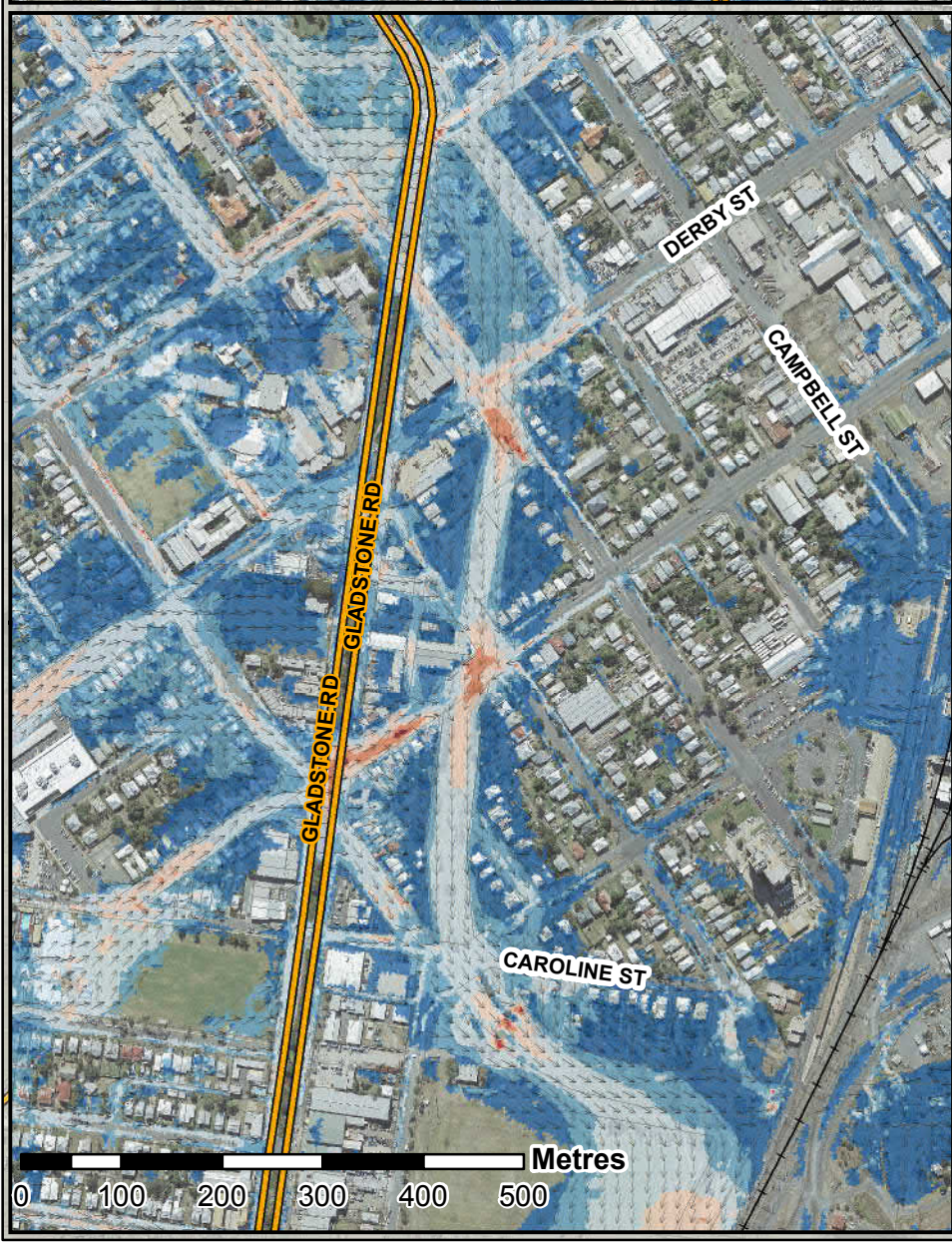
**South Rockhampton Model
Peak Flood Heights**



0.2% AEP 120m Storm Event

PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 5/06/2017
VERSION: 1

**Map
SR-47**

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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)



www.aecom.com

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

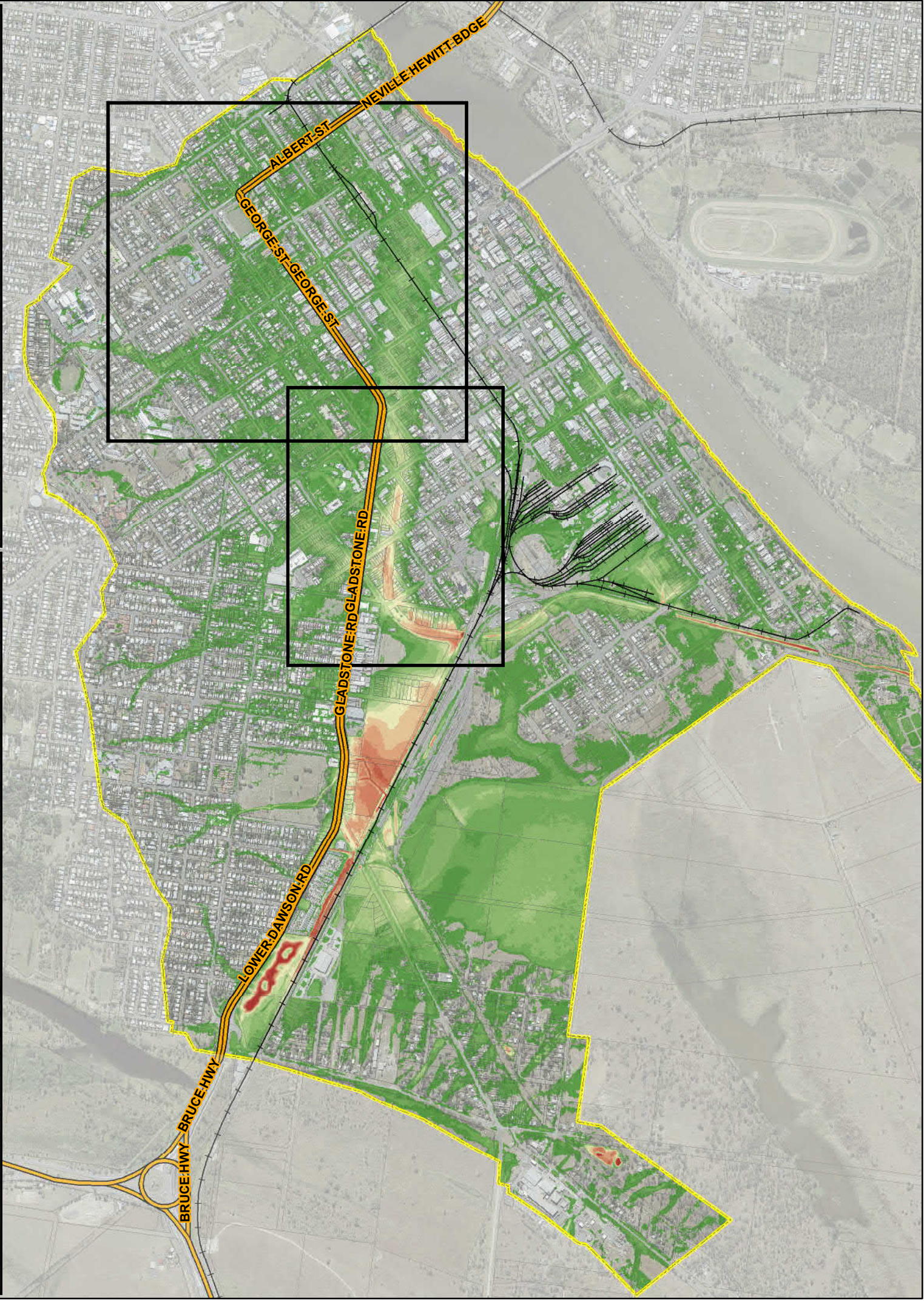
Results Filtering: 75mm Min. Depth
100m² Min. Area



South Rockhampton Model
Peak Depth Averaged Flood Velocity
0.2% AEP 120m Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	5/06/2017
VERSION:	1

Map
SR-48

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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

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

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

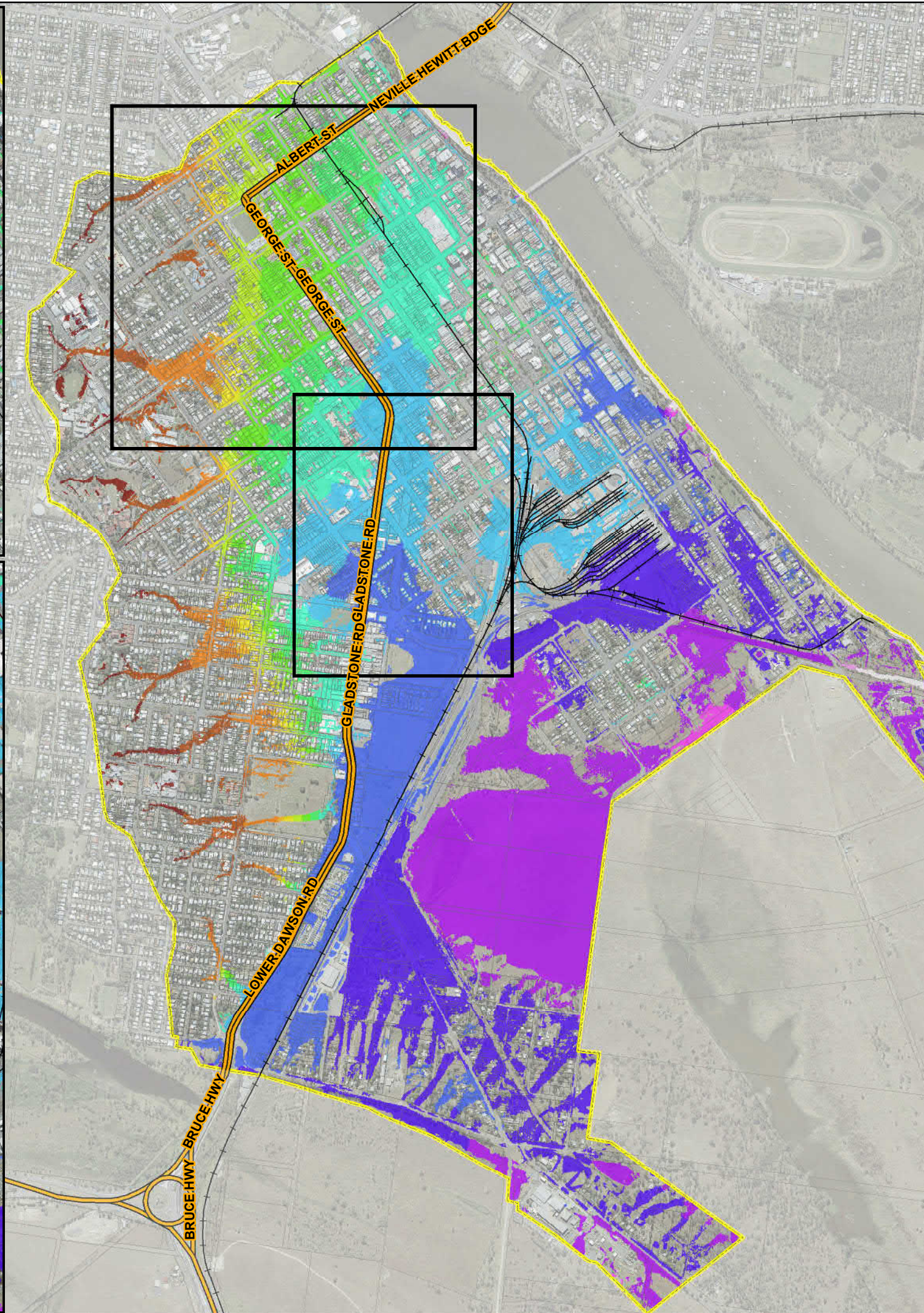
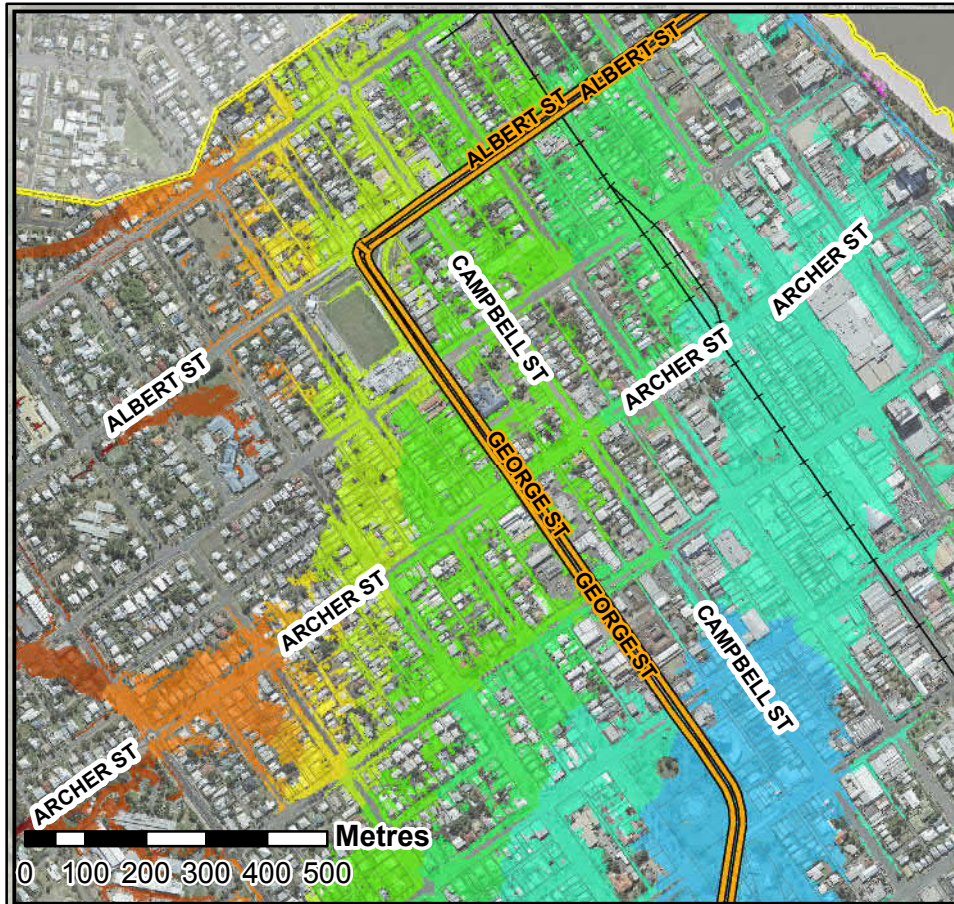
**South Rockhampton Model
Peak Flood Depths**



0.05% AEP 120m Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	5/06/2017
VERSION:	1

**Map
SR-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)



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LEGEND

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

Peak Flood Heights (mAHD)

< 3.00
3.01 - 4.00
4.01 - 5.00
5.01 - 6.00
6.01 - 7.00
7.01 - 8.00
8.01 - 9.00
9.01 - 10.00
10.01 - 11.00
11.01 - 12.00
12.01 - 13.00
13.01 - 14.00
14.01 - 15.00
15.01 - 20.00
20.01 - 30.00
> 30.00

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

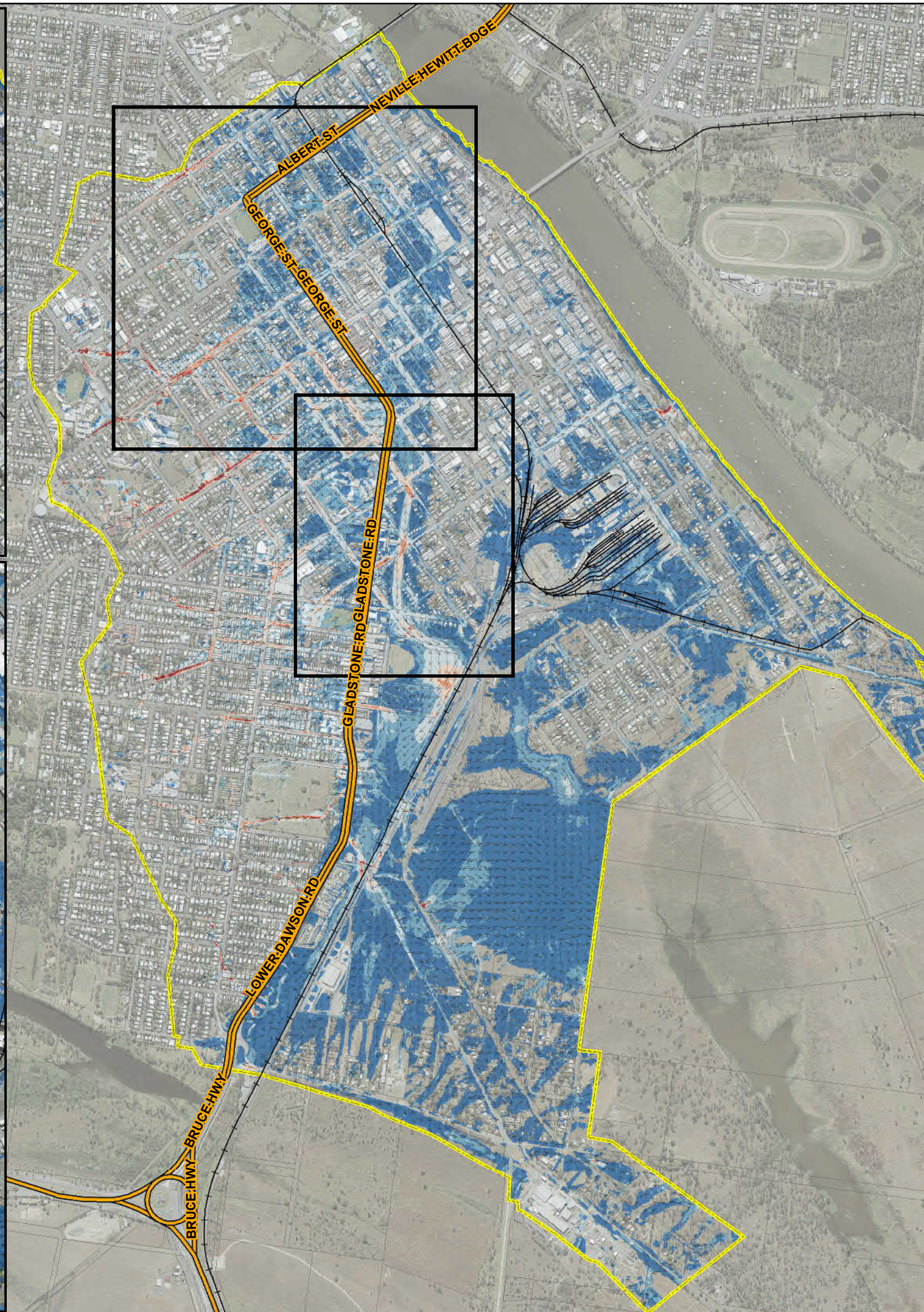
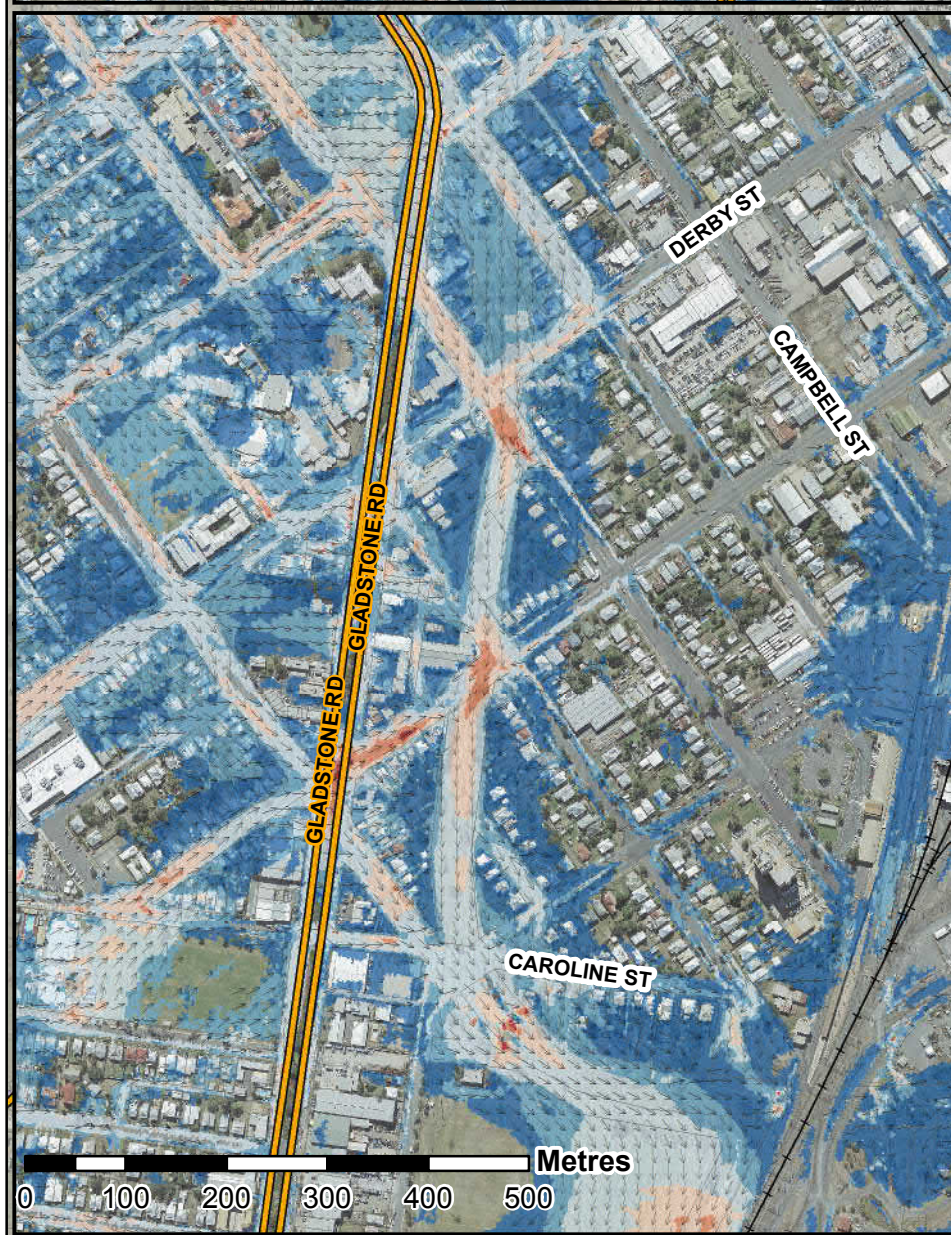
**South Rockhampton Model
Peak Flood Heights**


0.05% AEP 120m Storm Event

PROJECT ID: 60534898
CREATED BY: maultbyj
LAST MODIFIED: 5/06/2017
VERSION: 1


**Map
SR-50**

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N




Rockhampton
Regional Council

DATUM GDA 1994, PROJECTION MGA ZONE 56




0 200 400 600 800 1,000
Metres


1:20,000
(when printed at A3)





AECOM
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LEGEND

 Flow Direction

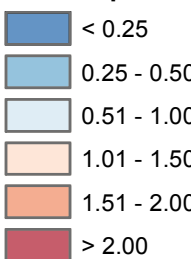
 Highways

 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

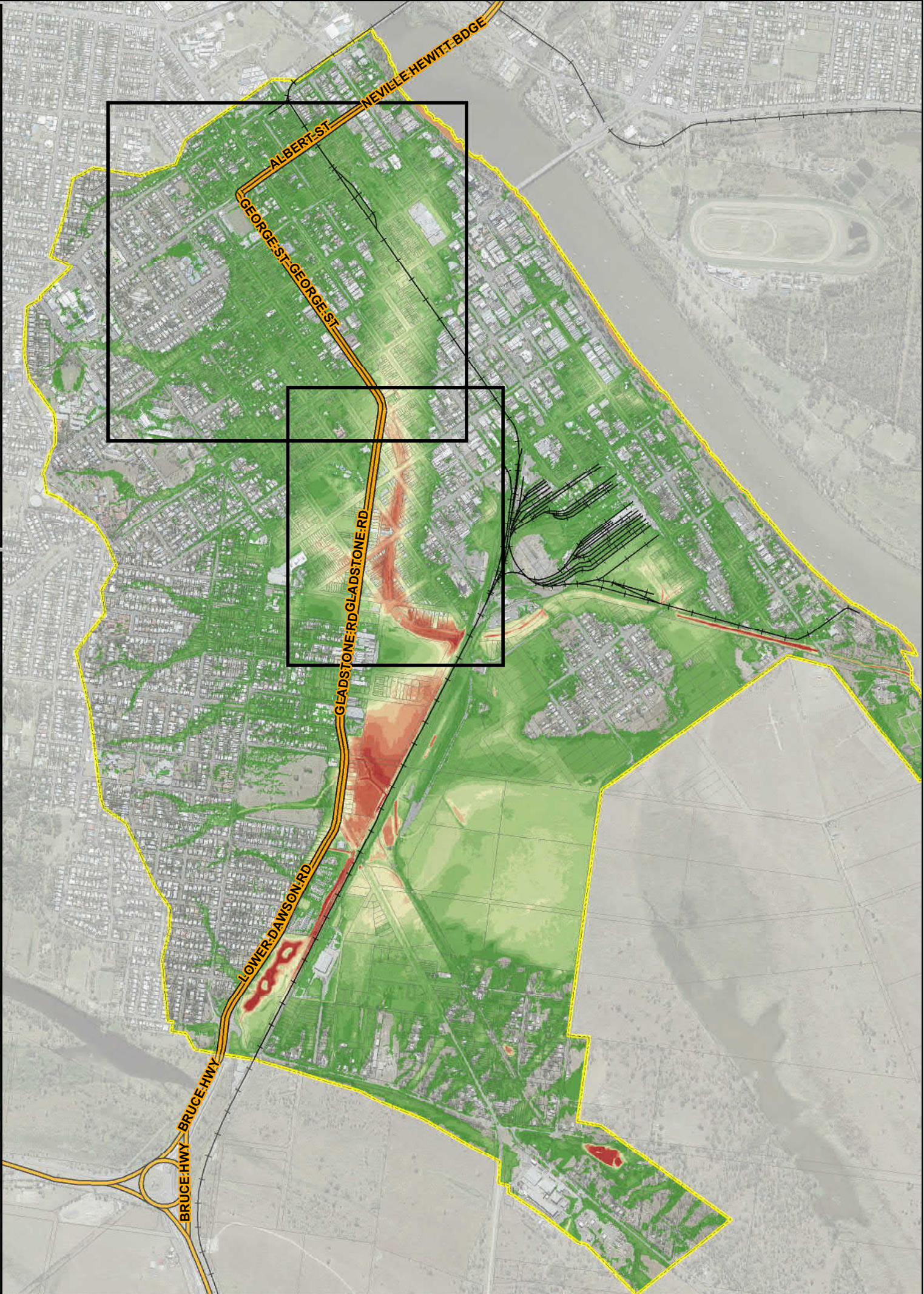
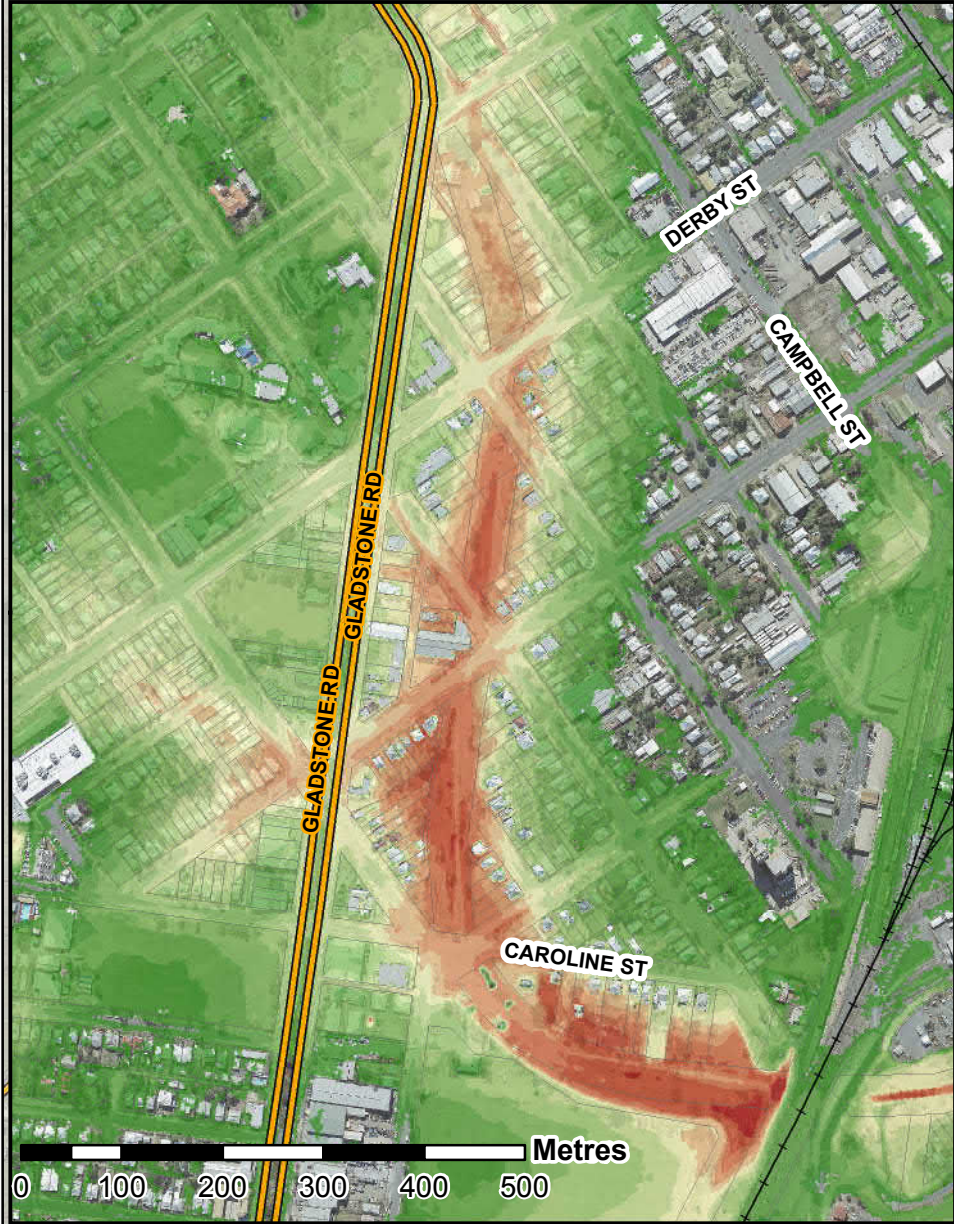
Results Filtering: 75mm Min. Depth
100m² Min. Area



South Rockhampton Model
Peak Depth Averaged Flood Velocity
0.05% AEP 120m Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	5/06/2017
VERSION:	1

Map
SR-51

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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

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

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

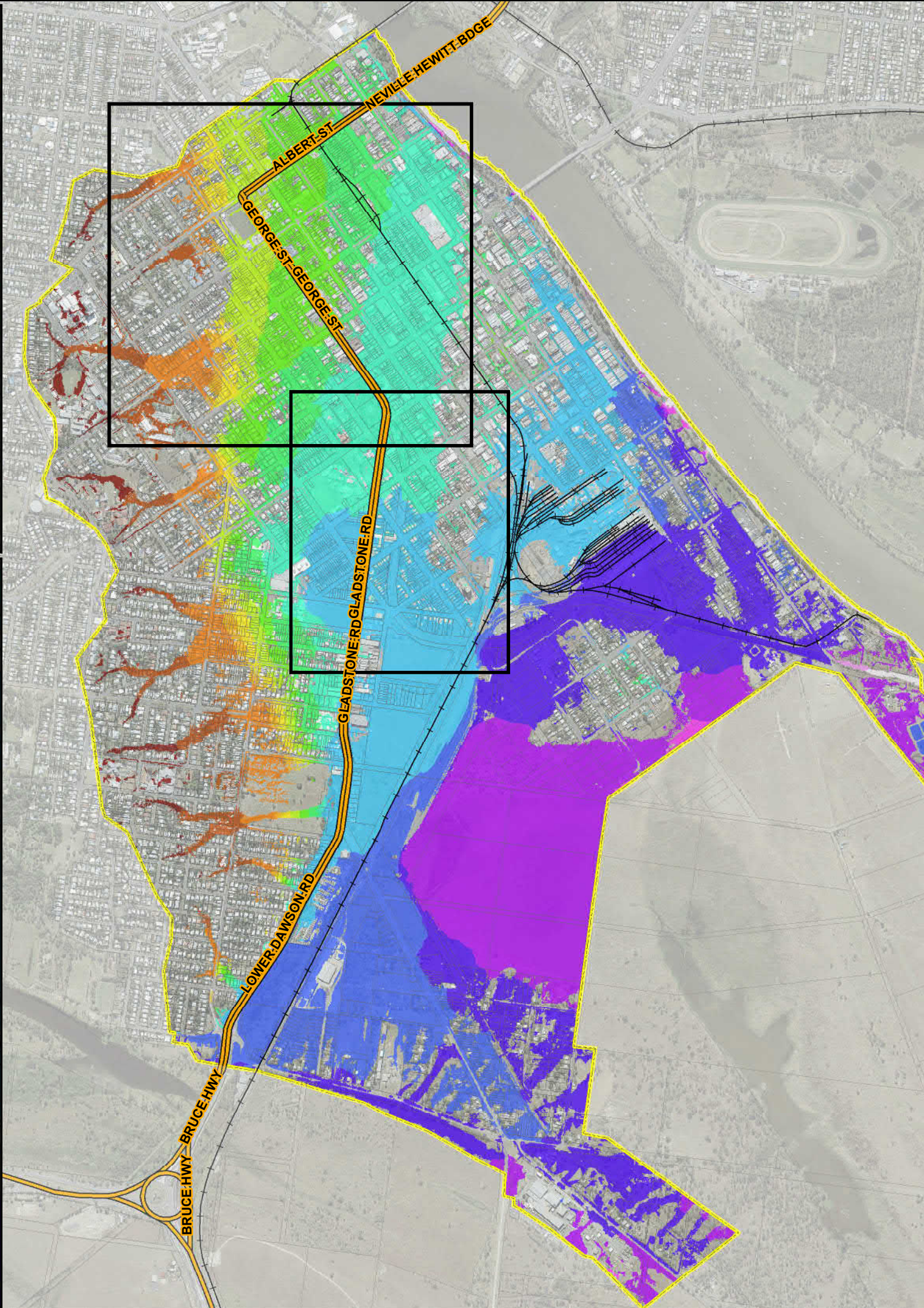
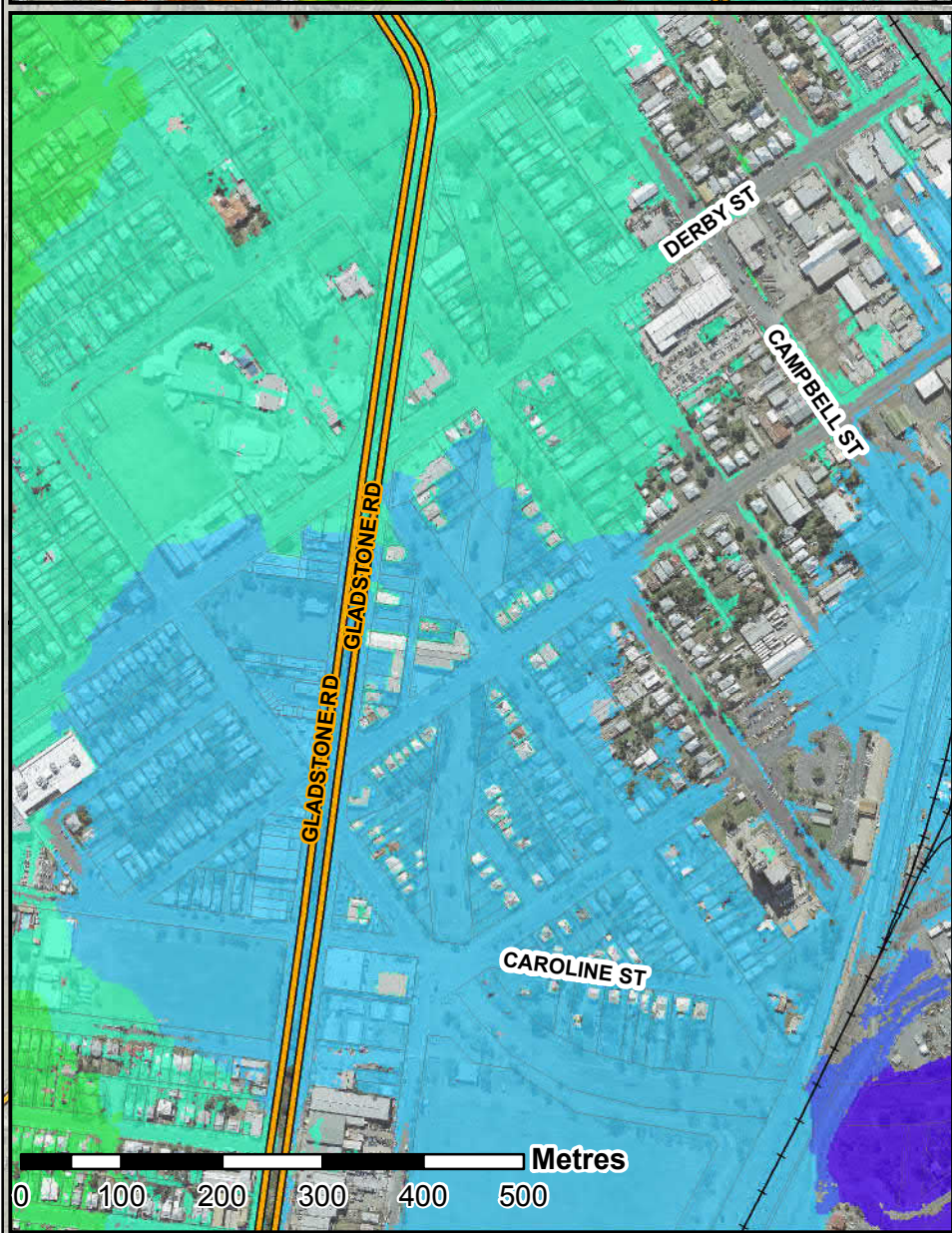
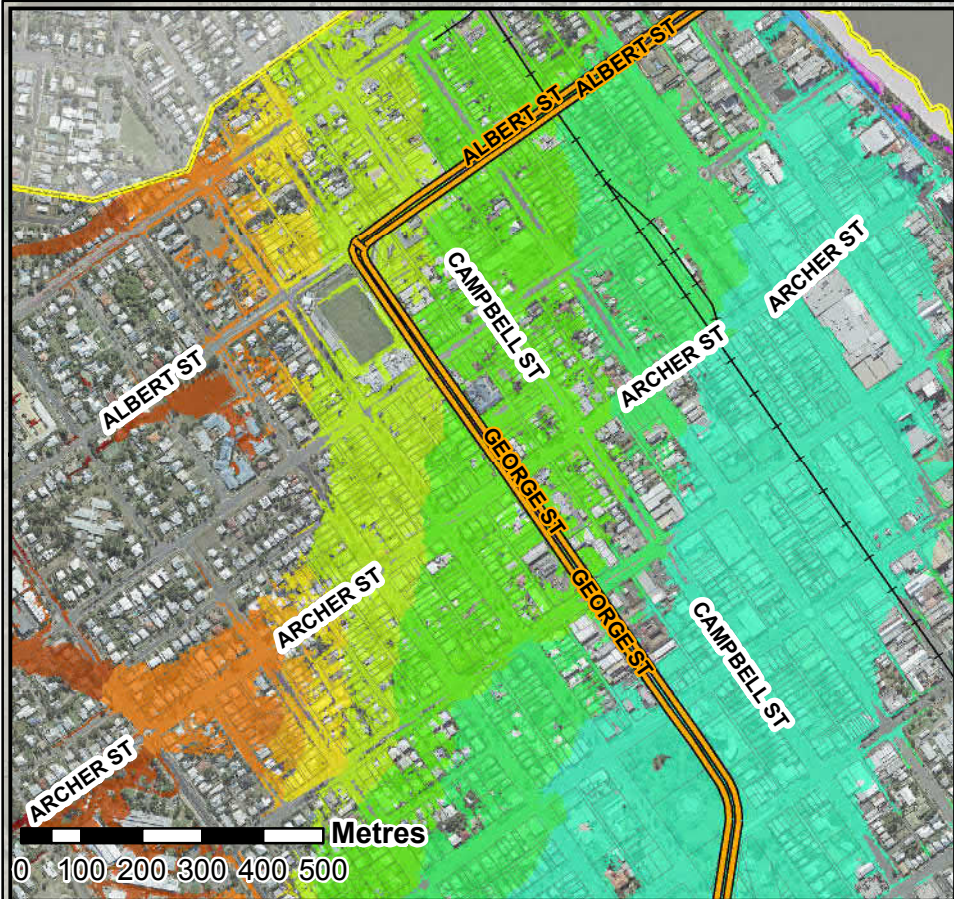
**South Rockhampton Model
Peak Flood Depths**



PMF 120m Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	5/06/2017
VERSION:	1

**Map
SR-52**

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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

- Highways
- Railway Lines
- Cadastre
- Hydraulic Model Extent

Peak Flood Heights (mAHD)

< 3.00
3.01 - 4.00
4.01 - 5.00
5.01 - 6.00
6.01 - 7.00
7.01 - 8.00
8.01 - 9.00
9.01 - 10.00
10.01 - 11.00
11.01 - 12.00
12.01 - 13.00
13.01 - 14.00
14.01 - 15.00
15.01 - 20.00
20.01 - 30.00
> 30.00

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

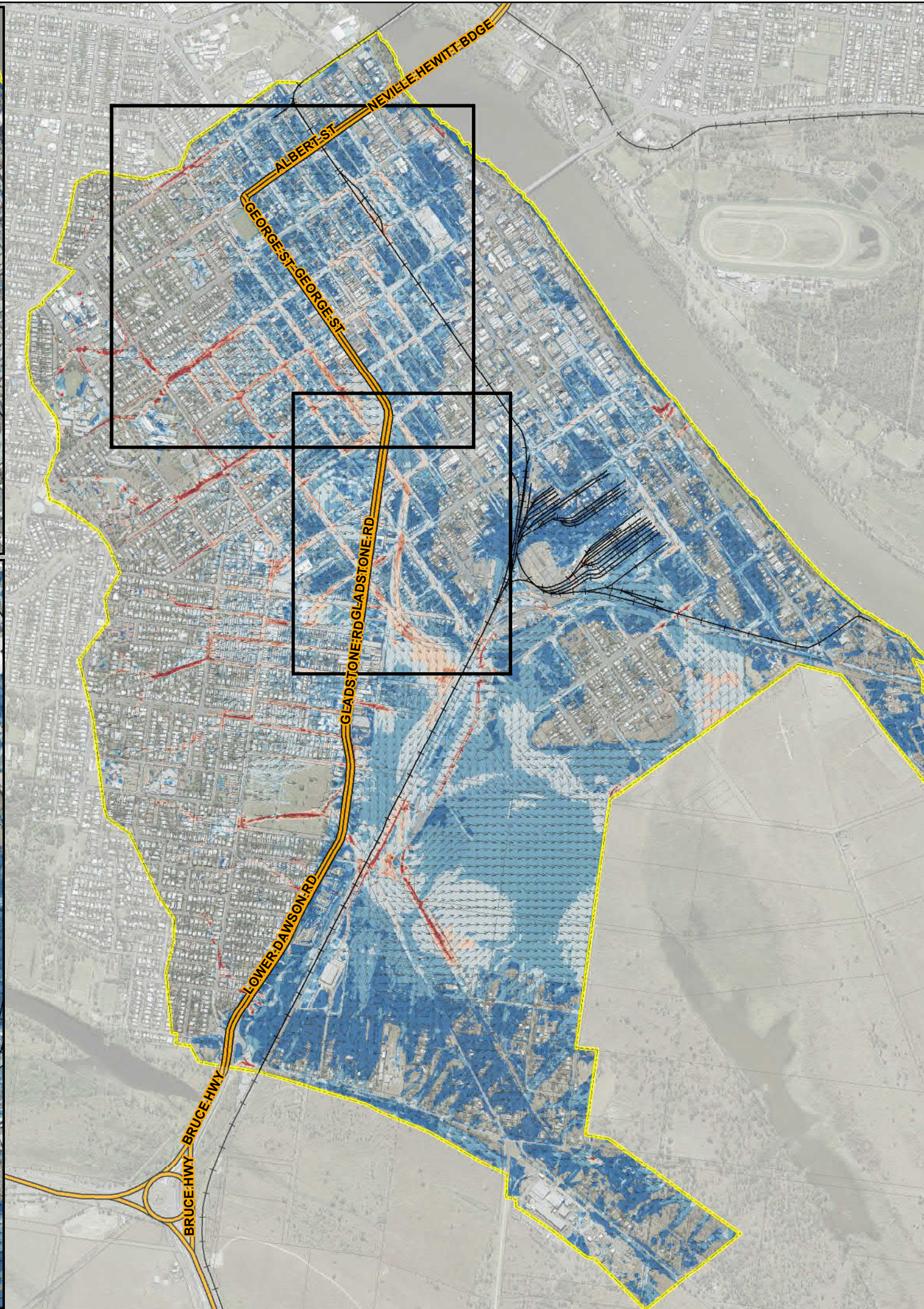
**South Rockhampton Model
Peak Flood Heights**



PMF 120m Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	5/06/2017
VERSION:	1

**Map
SR-53**

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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

- ↑ 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

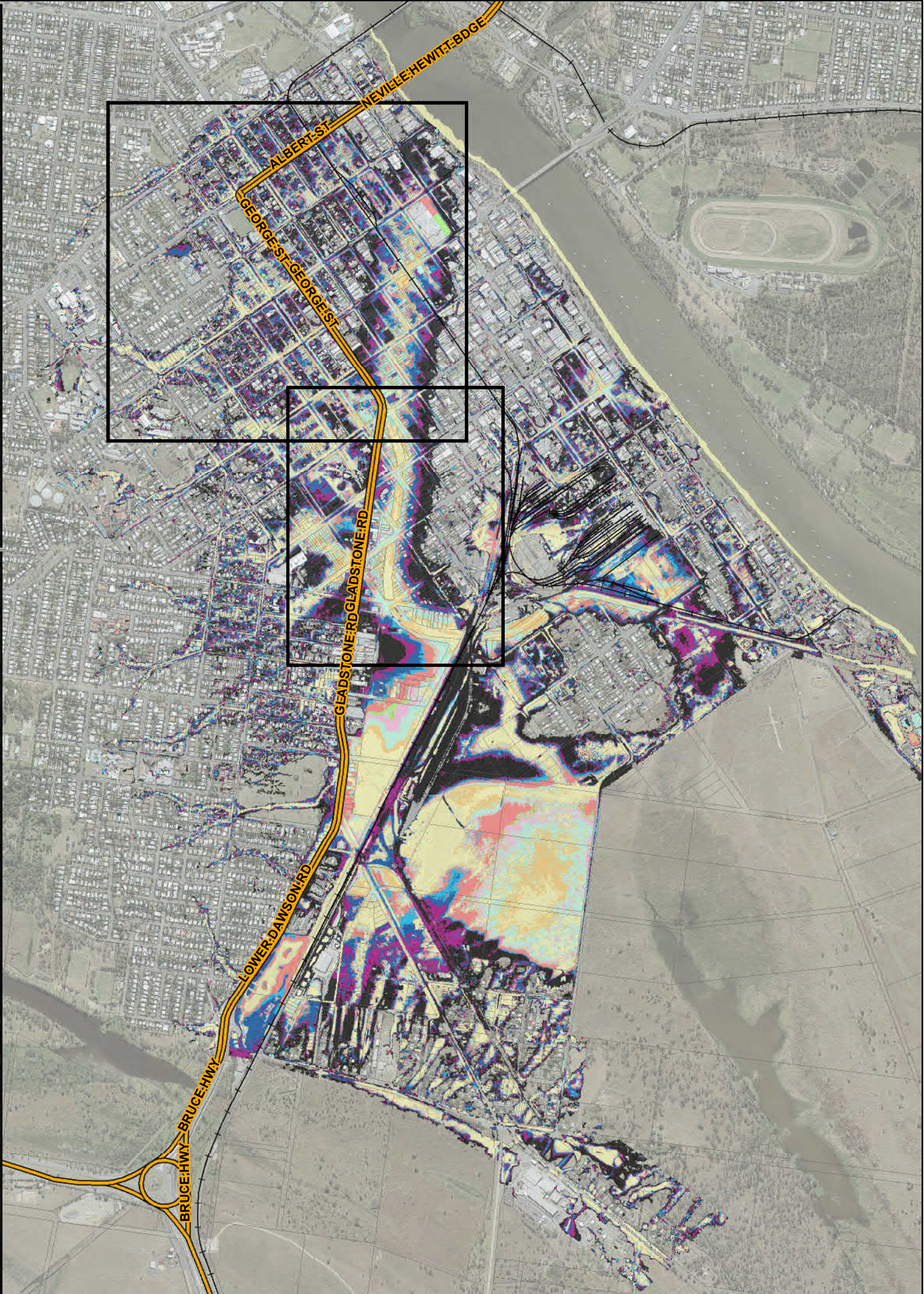
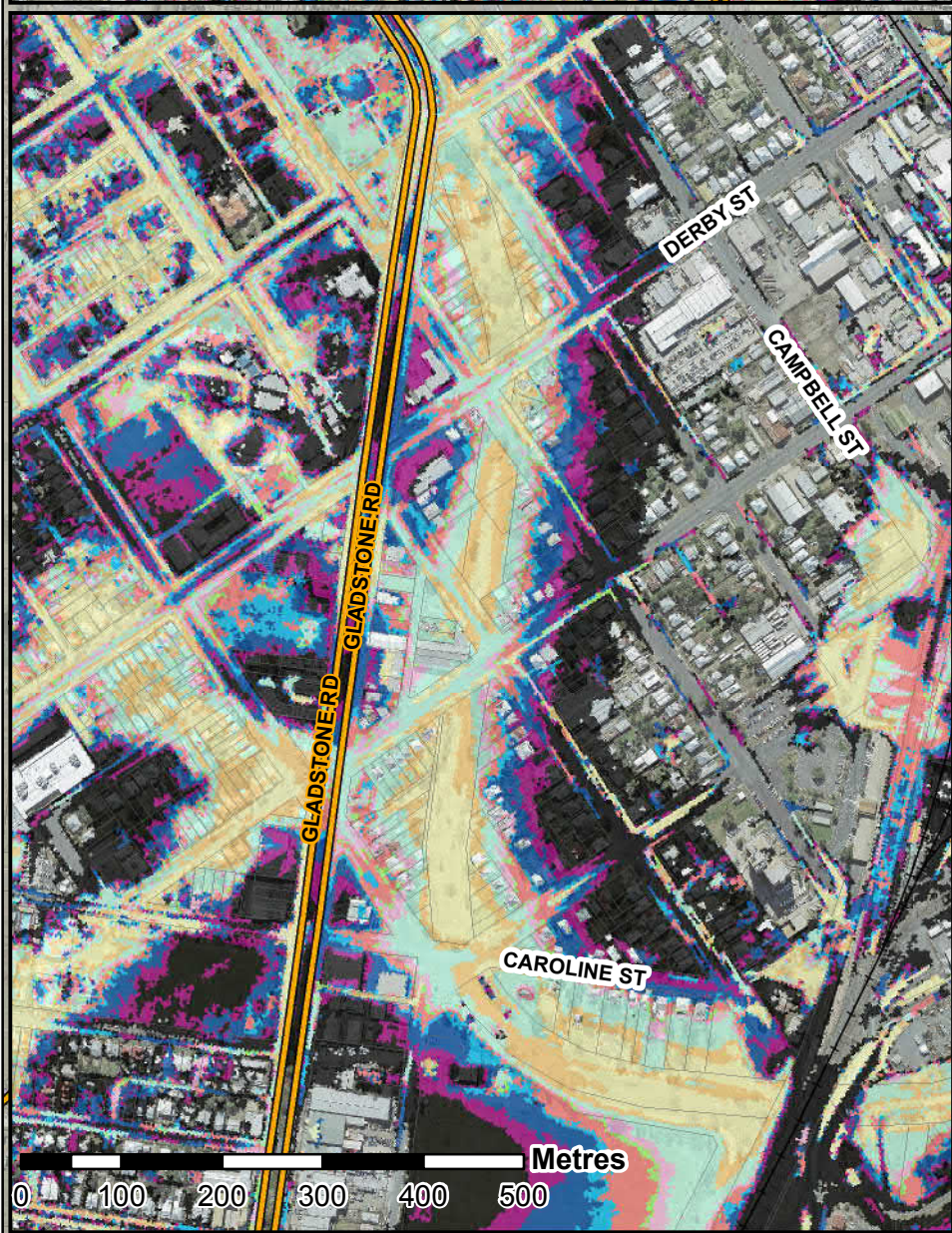
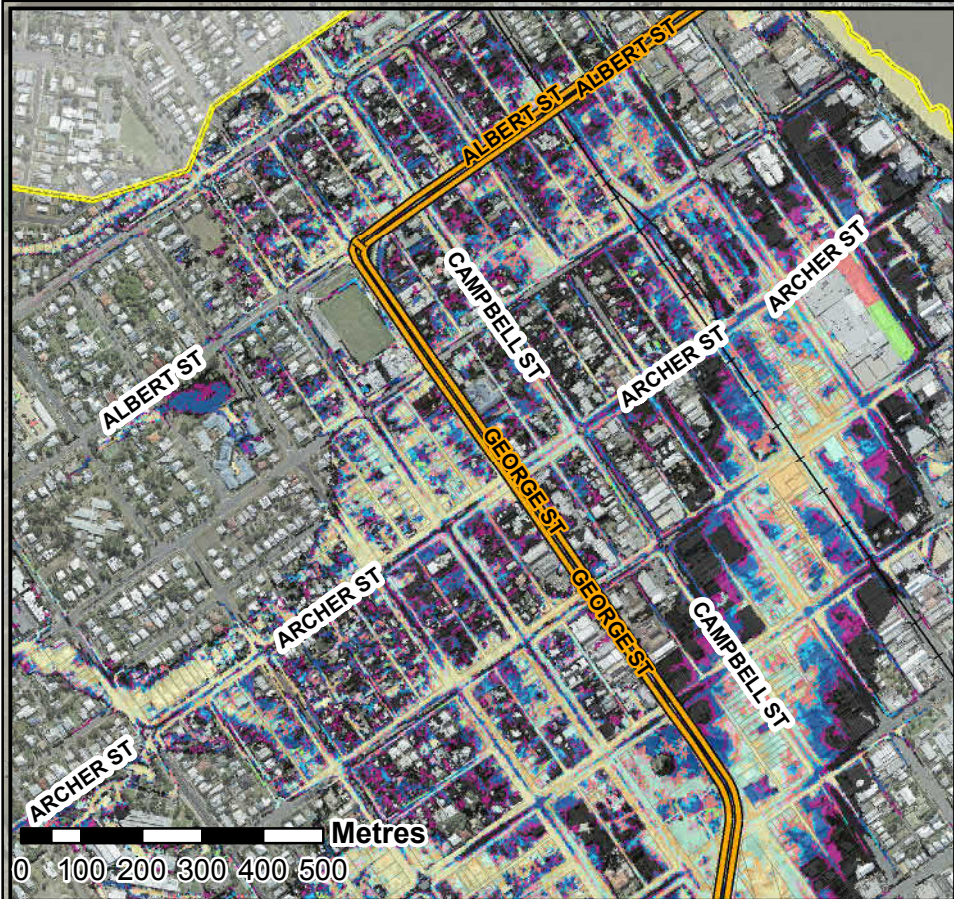
Results Filtering: 75mm Min. Depth
100m² Min. Area



South Rockhampton Model
Peak Depth Averaged Flood Velocity
PMF 120m Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	5/06/2017
VERSION:	1

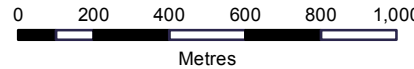
Map
SR-54

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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

- Highways
- Railway Lines
- Cadastre

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

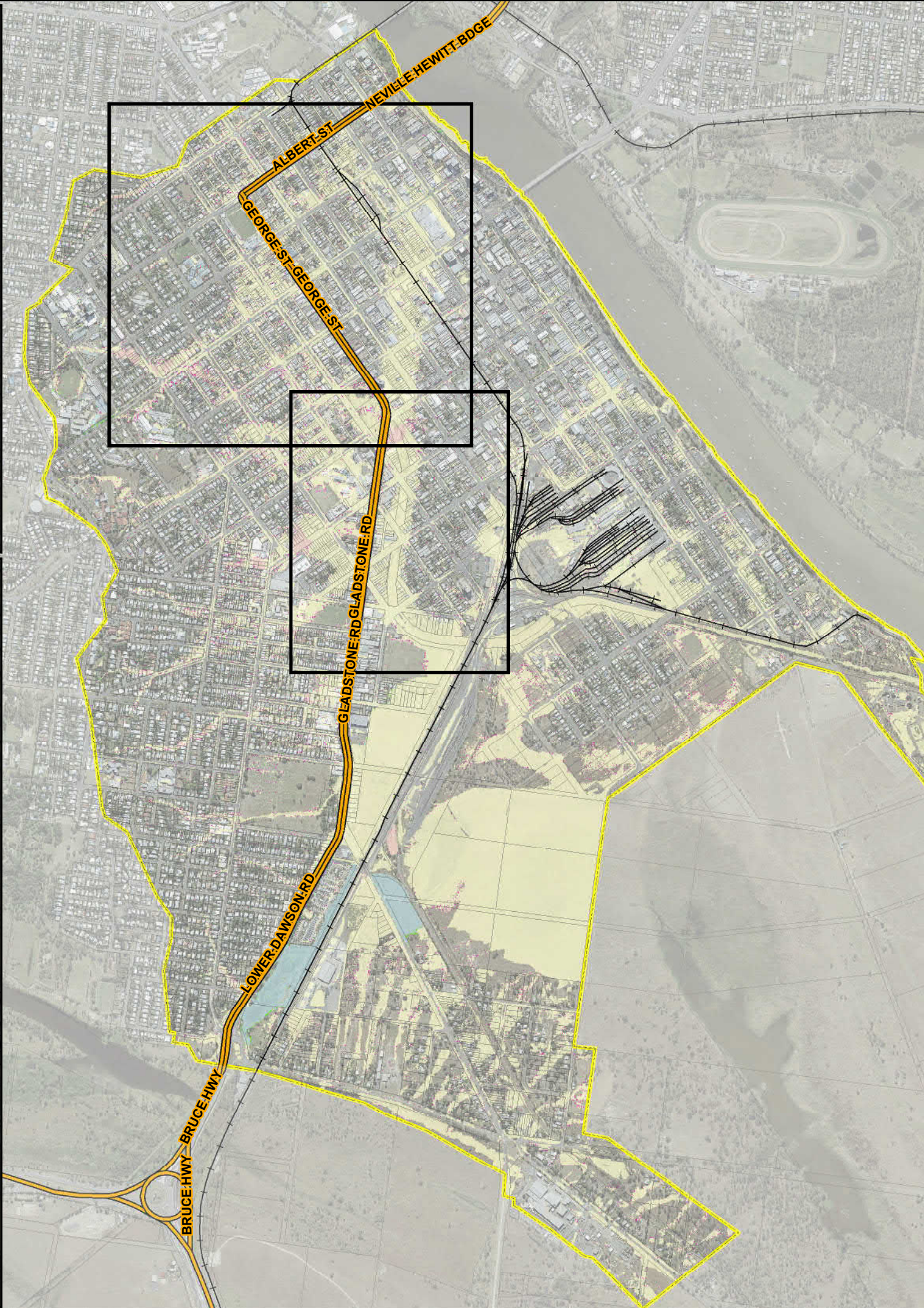
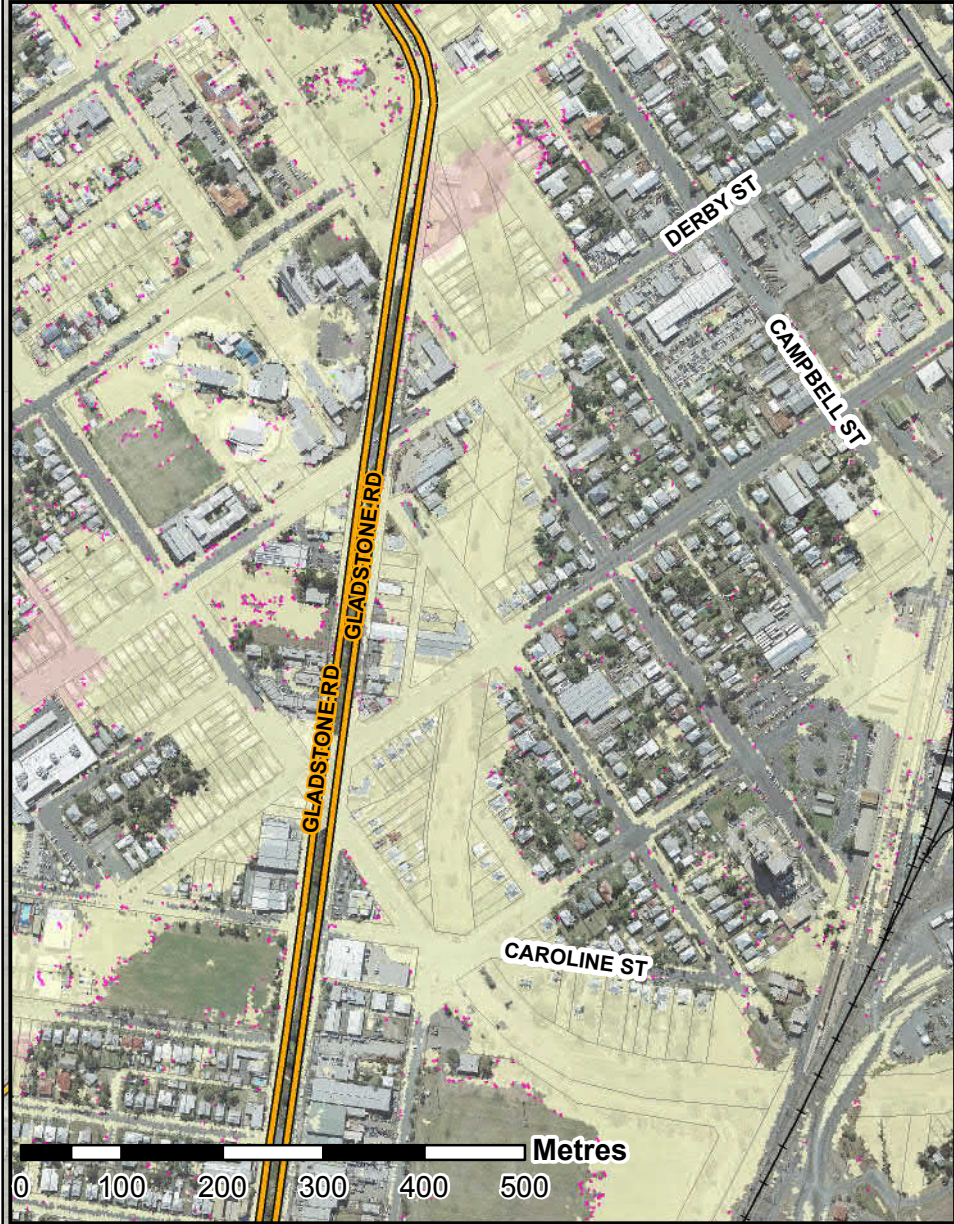
**South Rockhampton Model
Peak Flood Extent**



120m Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	5/06/2017
VERSION:	1

**Map
SR-55**

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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

- 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

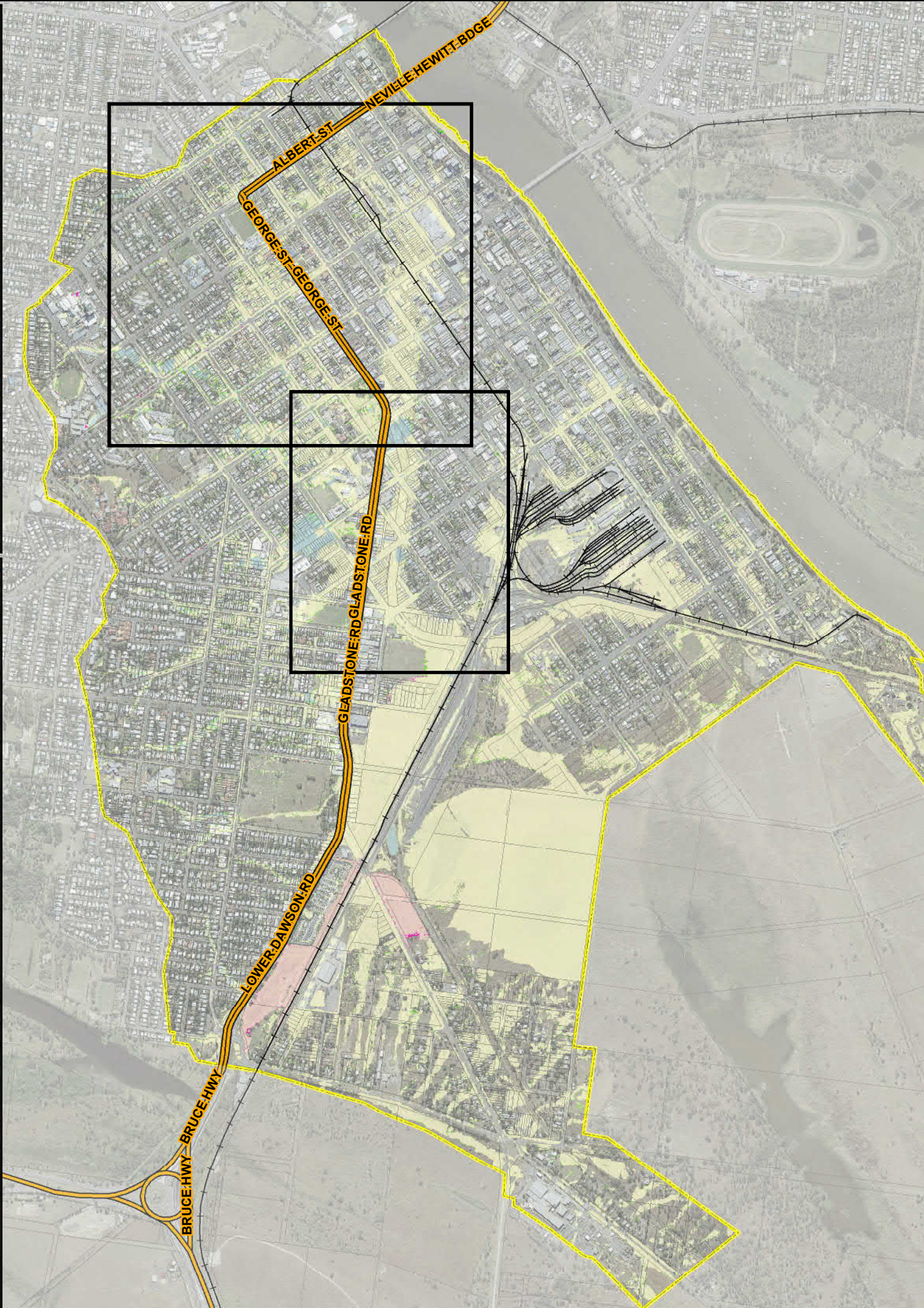
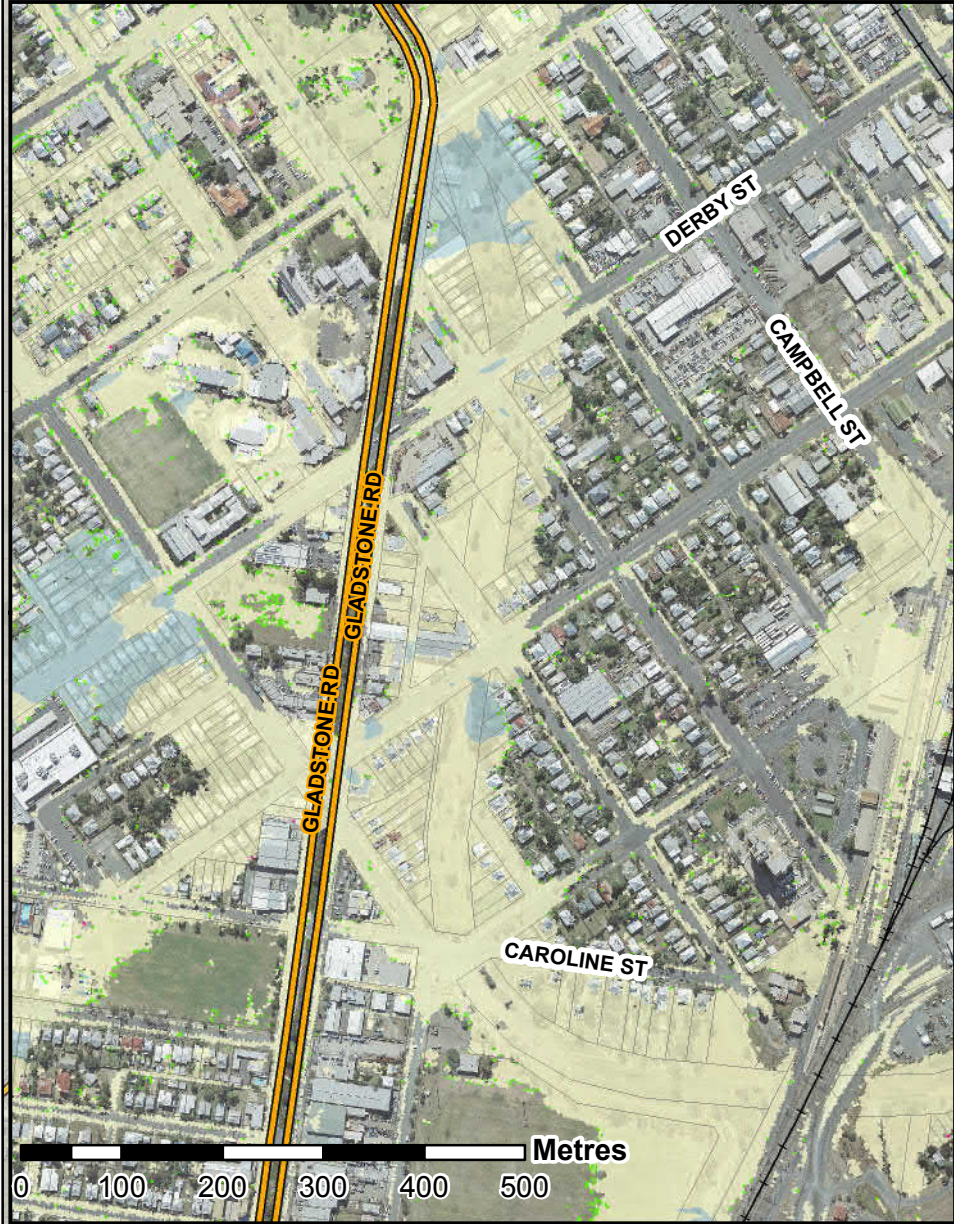
Results Filtering: 75mm Min. Depth
100m² Min. Area



South Rockhampton Model
Difference in Peak Flood Heights
15% Increased Roughness minus Baseline
1% AEP 120m Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	5/09/2017
VERSION:	2

Map
SR-56

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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

- 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

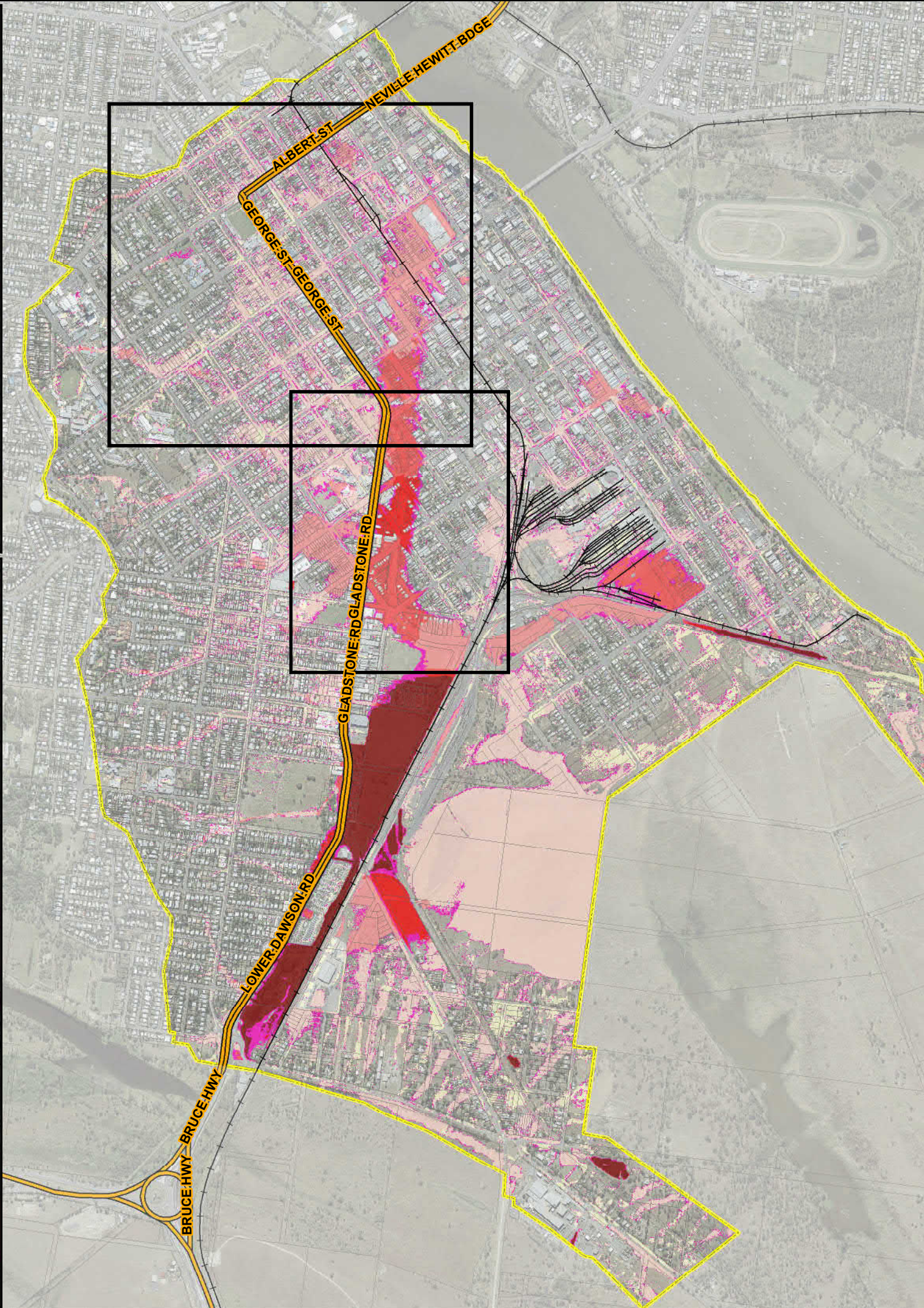
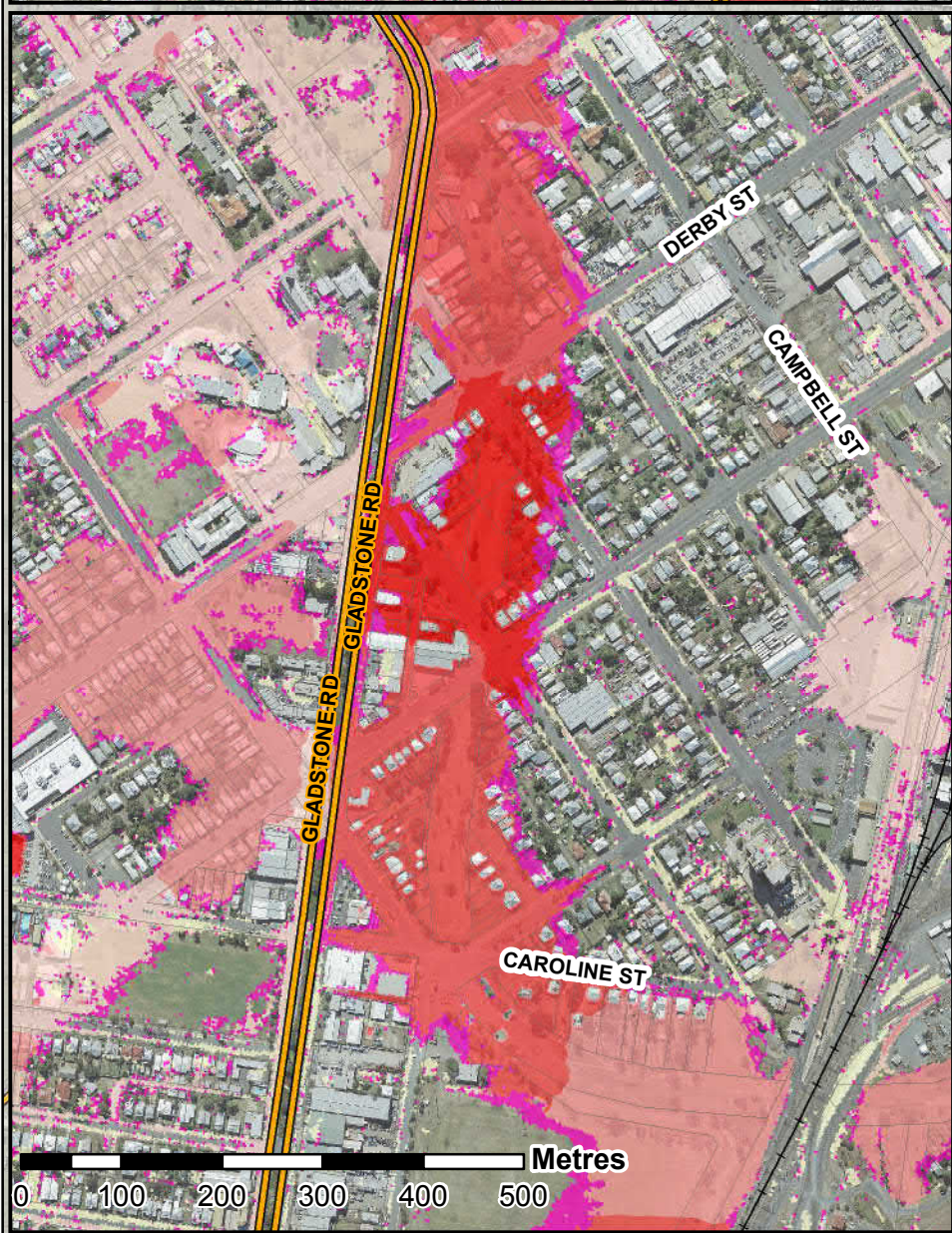
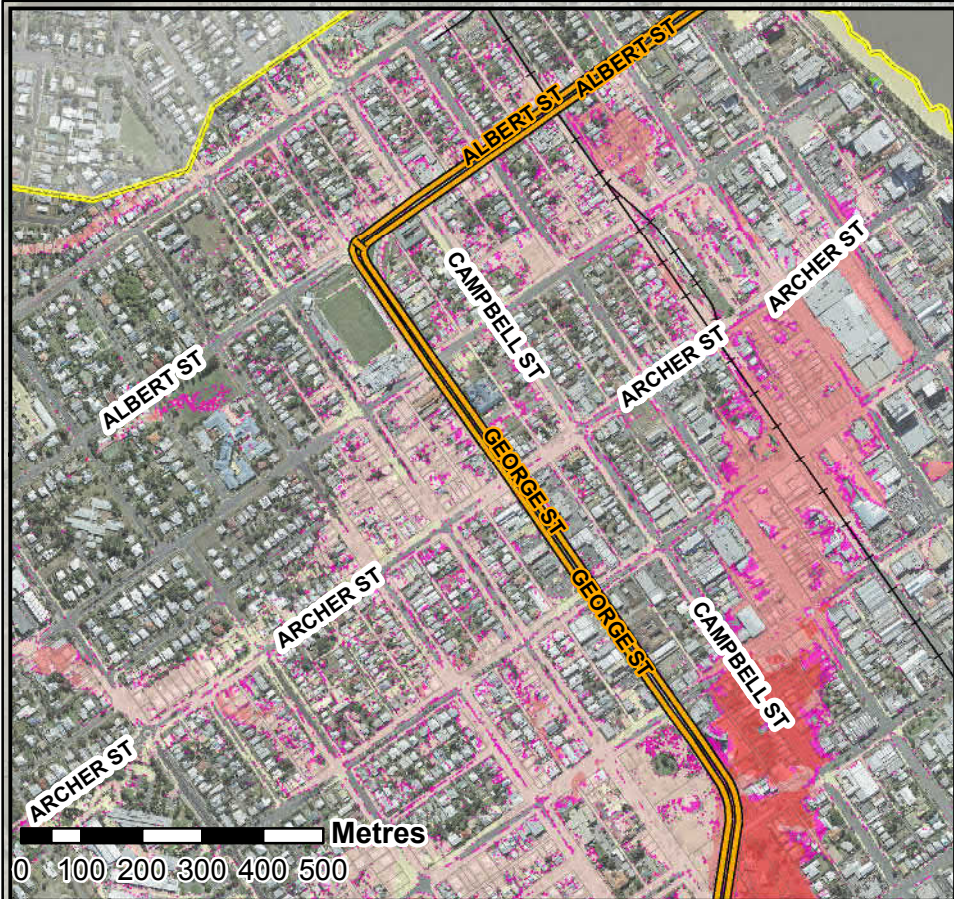
South Rockhampton Model
Difference in Peak Flood Heights
15% Decreased Roughness minus Baseline



1% AEP 120m Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	5/09/2017
VERSION:	2

Map
SR-57

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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

- 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

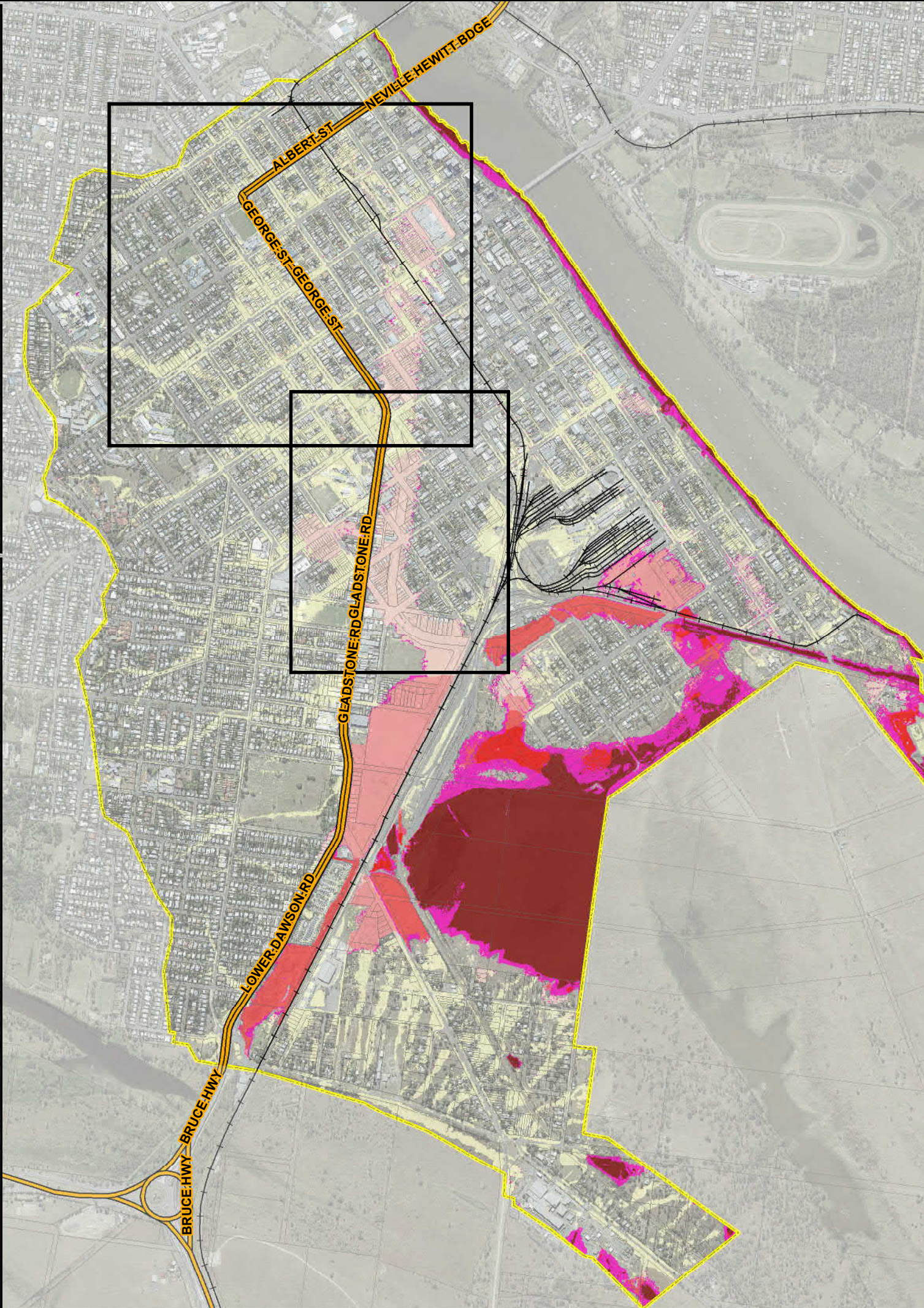
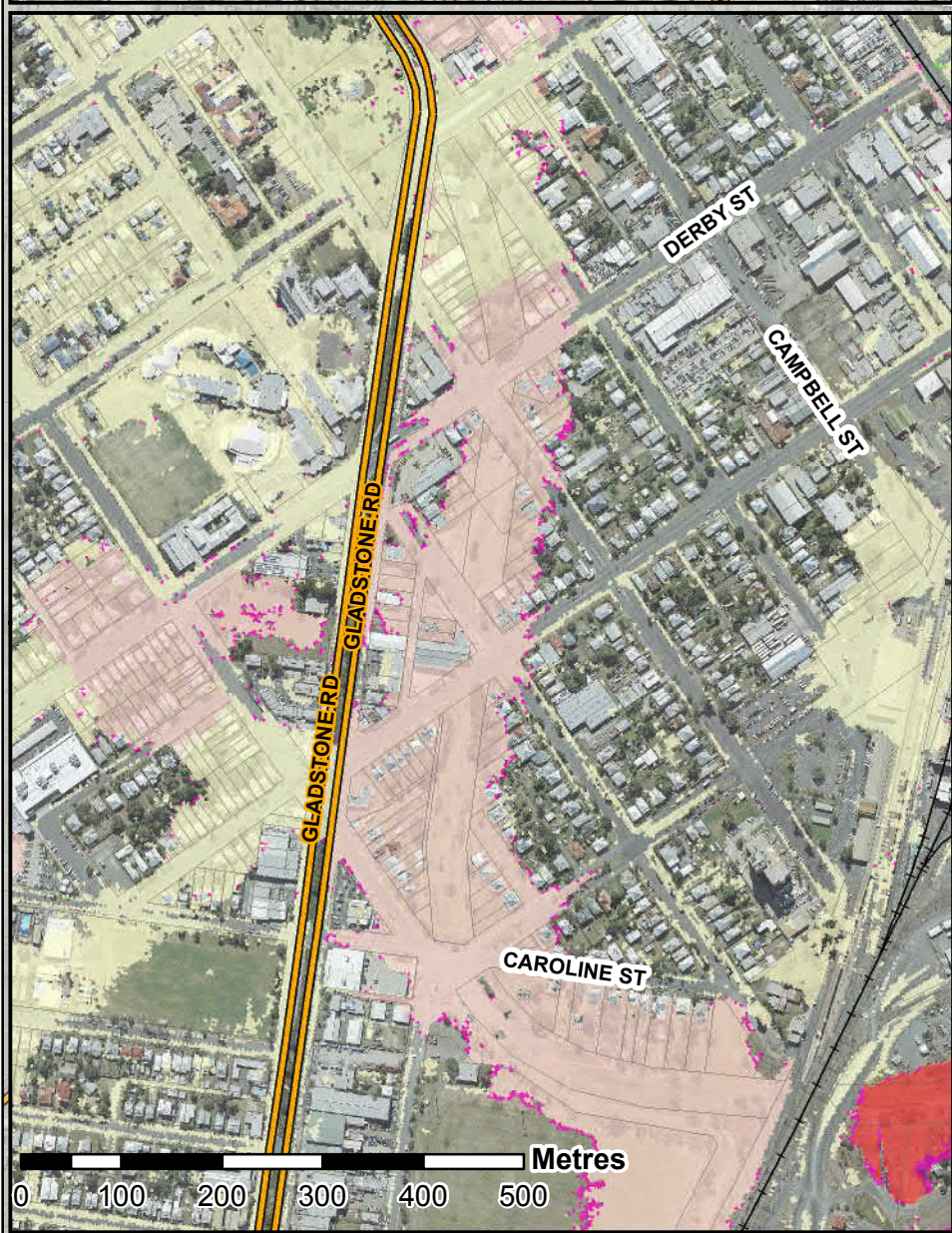
Results Filtering: 75mm Min. Depth
100m² Min. Area



South Rockhampton Model
Difference in Peak Flood Heights
Climate Change to 2100 minus Baseline
1% AEP 120m Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	5/09/2017
VERSION:	2

Map
SR-58

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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

- 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

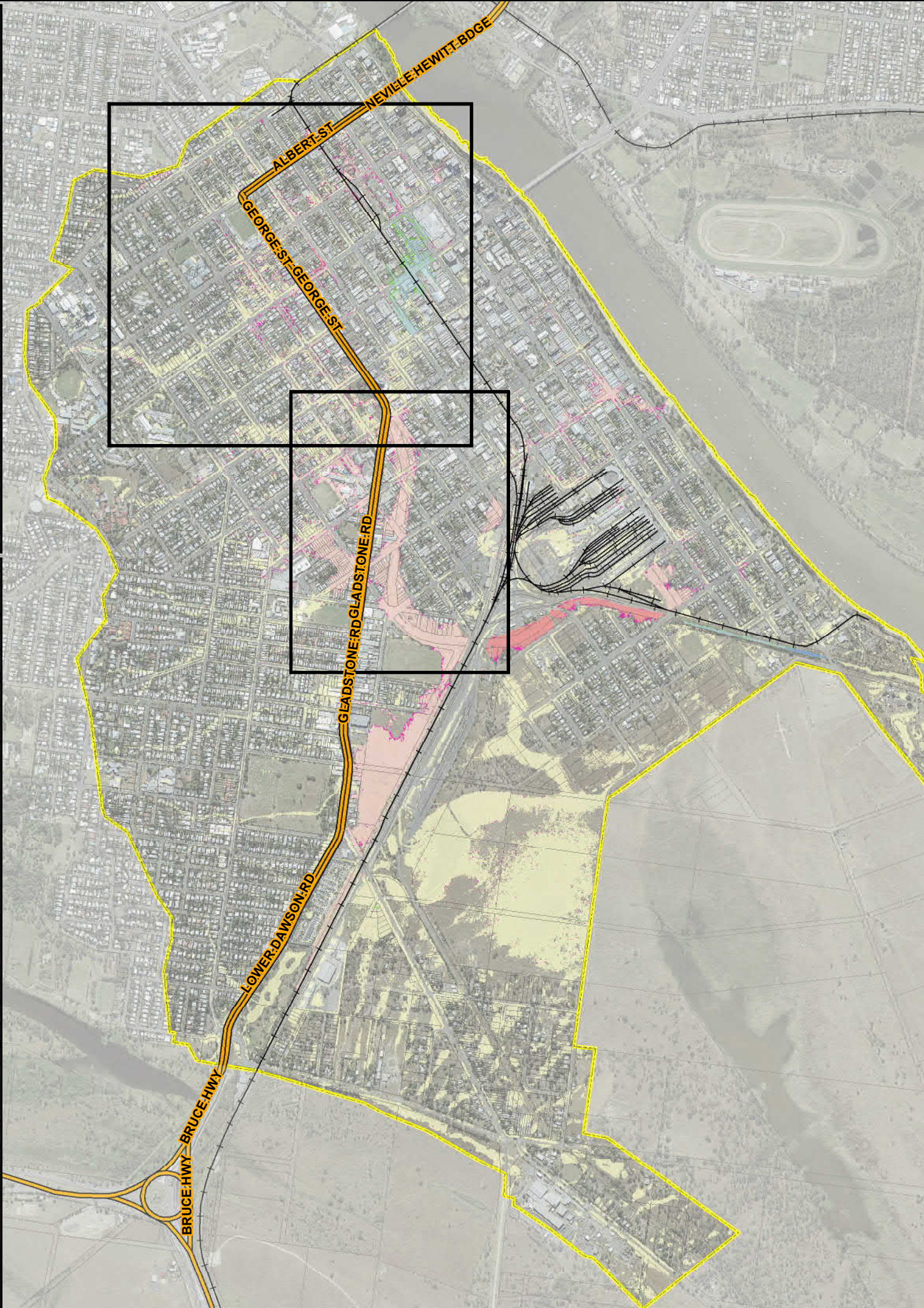
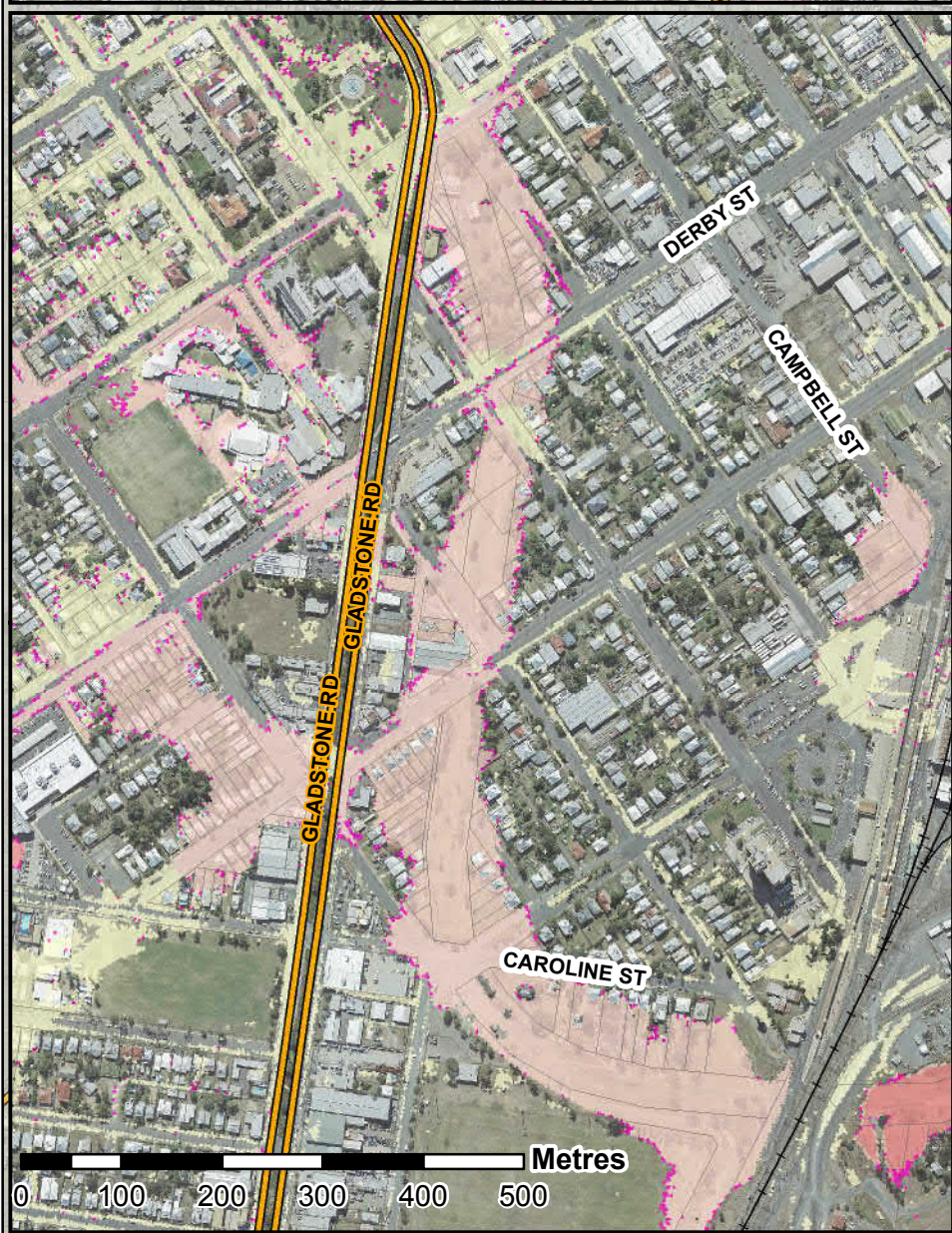
South Rockhampton Model
Difference in Peak Flood Heights
18% AEP Fitzroy River Tailwater minus
Baseline



1% AEP 120m Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	4/09/2017
VERSION:	2

Map
SR-59

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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

- 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

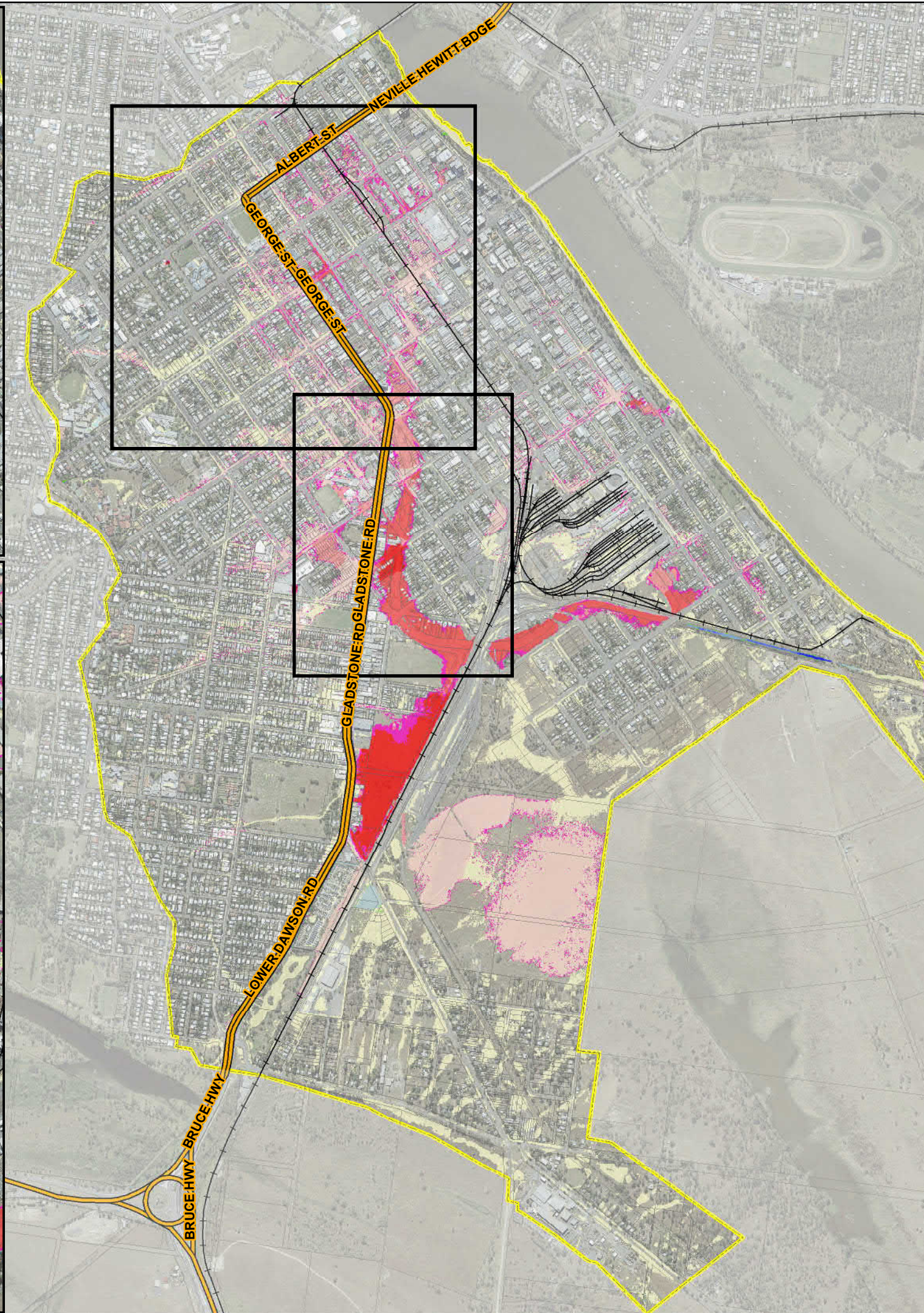
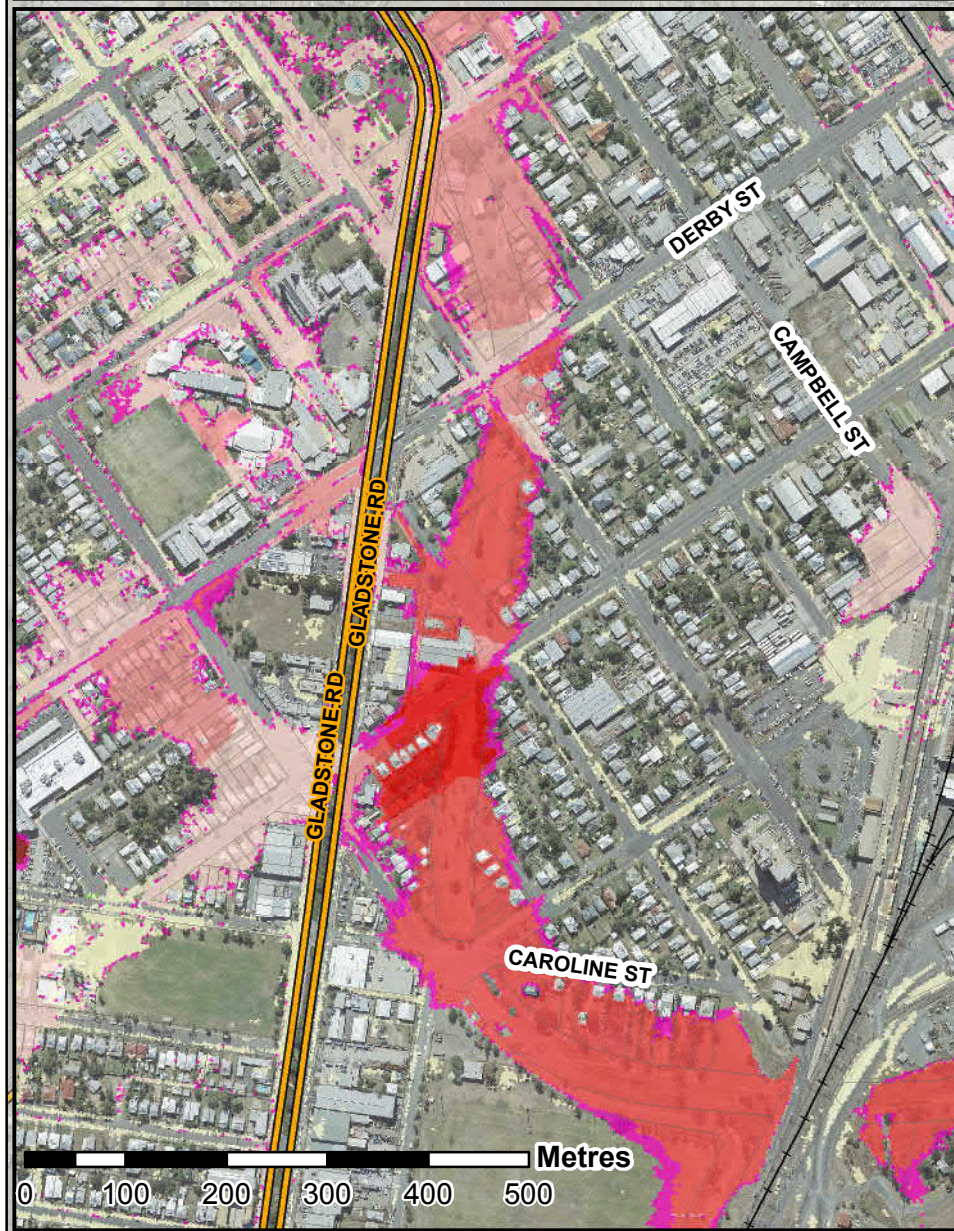
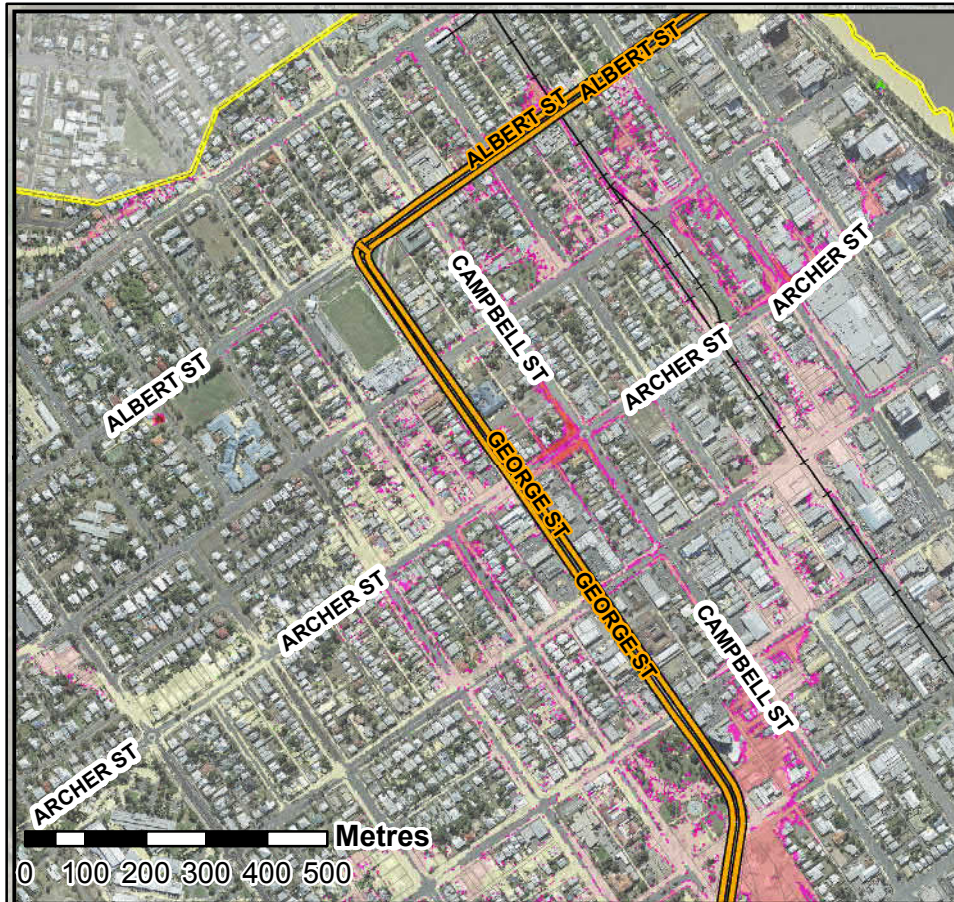
South Rockhampton Model
Difference in Peak Flood Heights
20% Stormwater Infrastructure Blockage
minus Baseline


18% AEP 120m Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	4/09/2017
VERSION:	2


Map
SR-60

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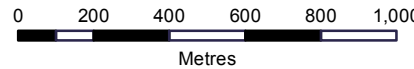


N




Rockhampton
Regional Council

DATUM GDA 1994, PROJECTION MGA ZONE 56




0 200 400 600 800 1,000
Metres


1:20,000
(when printed at A3)





AECOM
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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

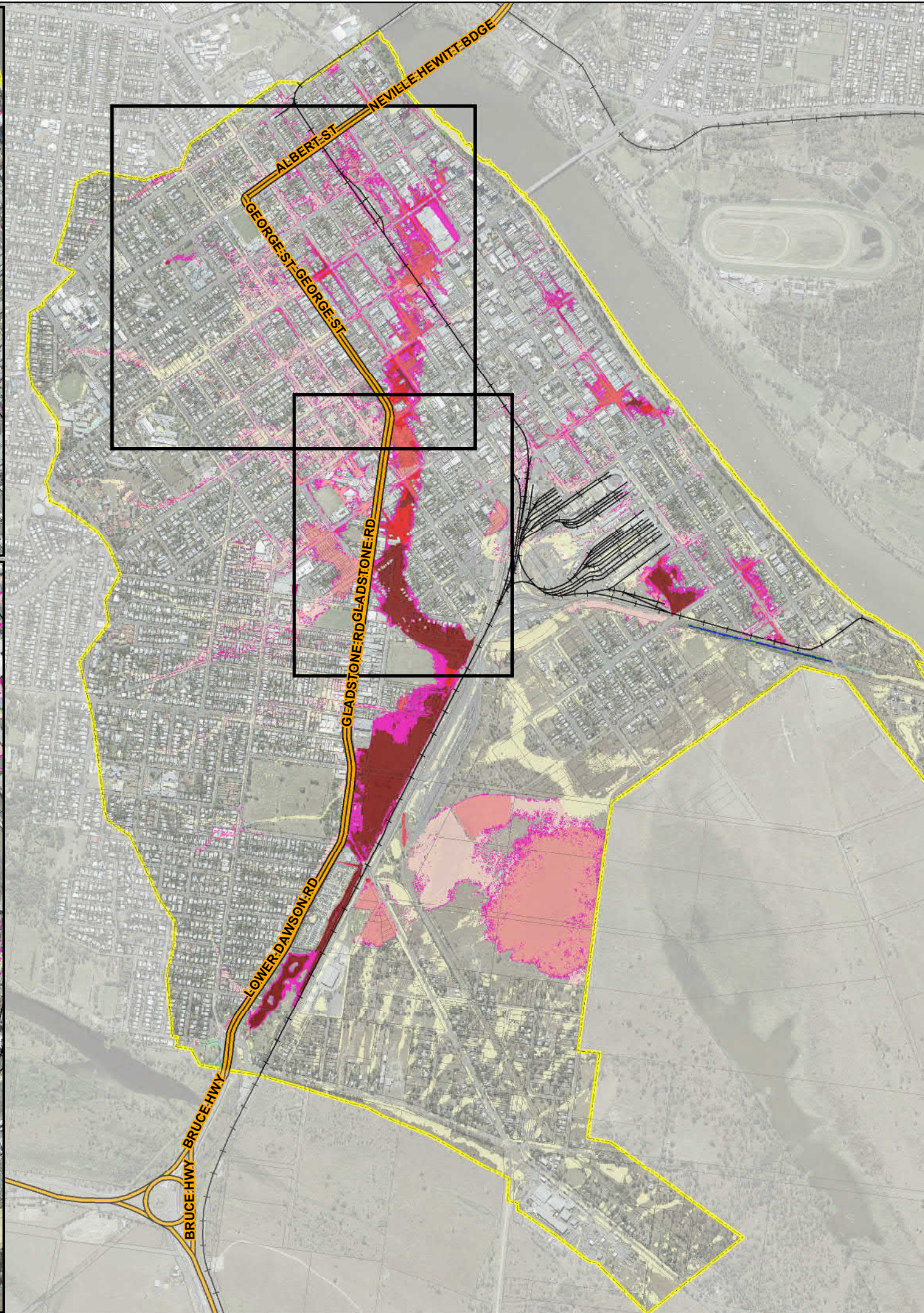
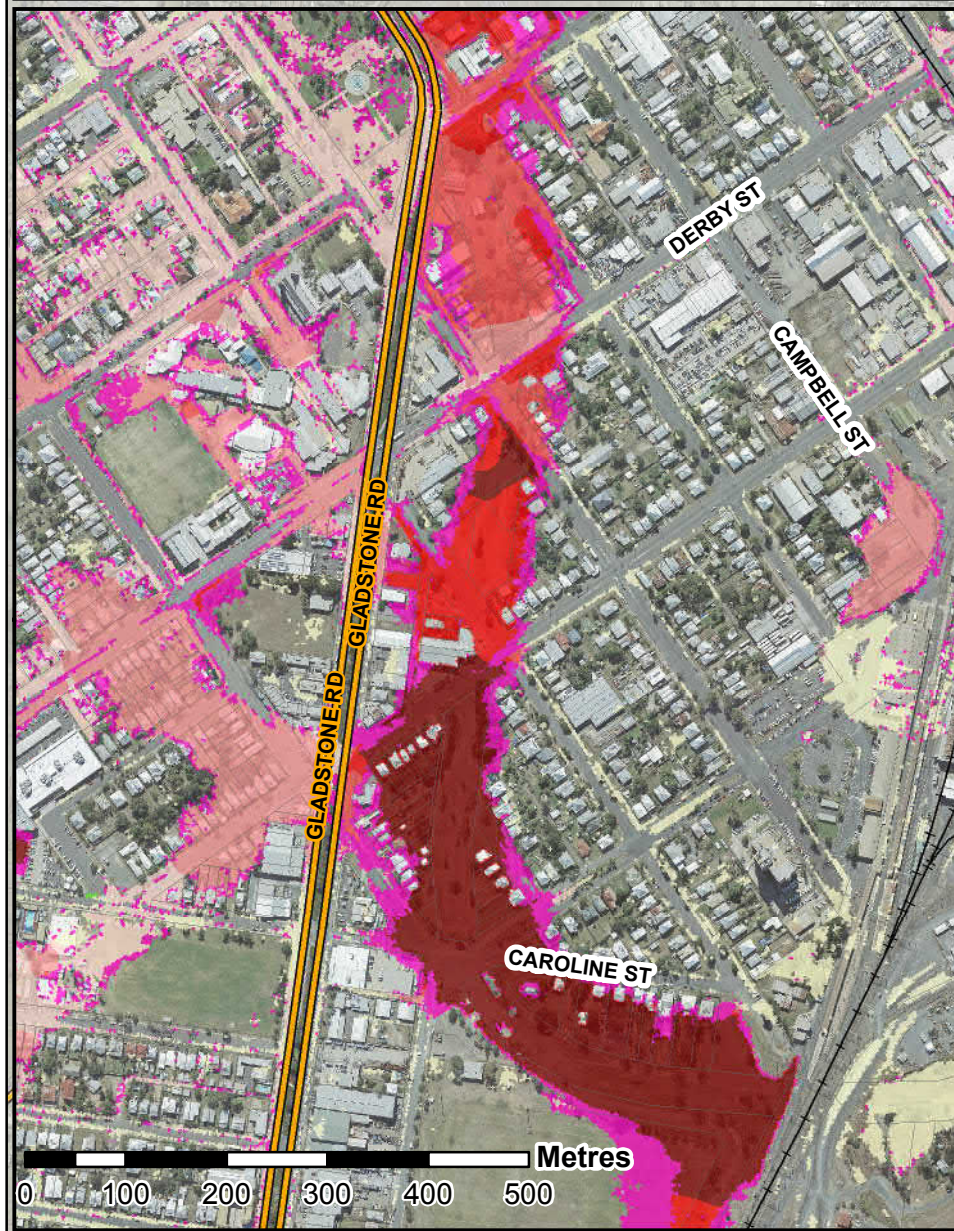
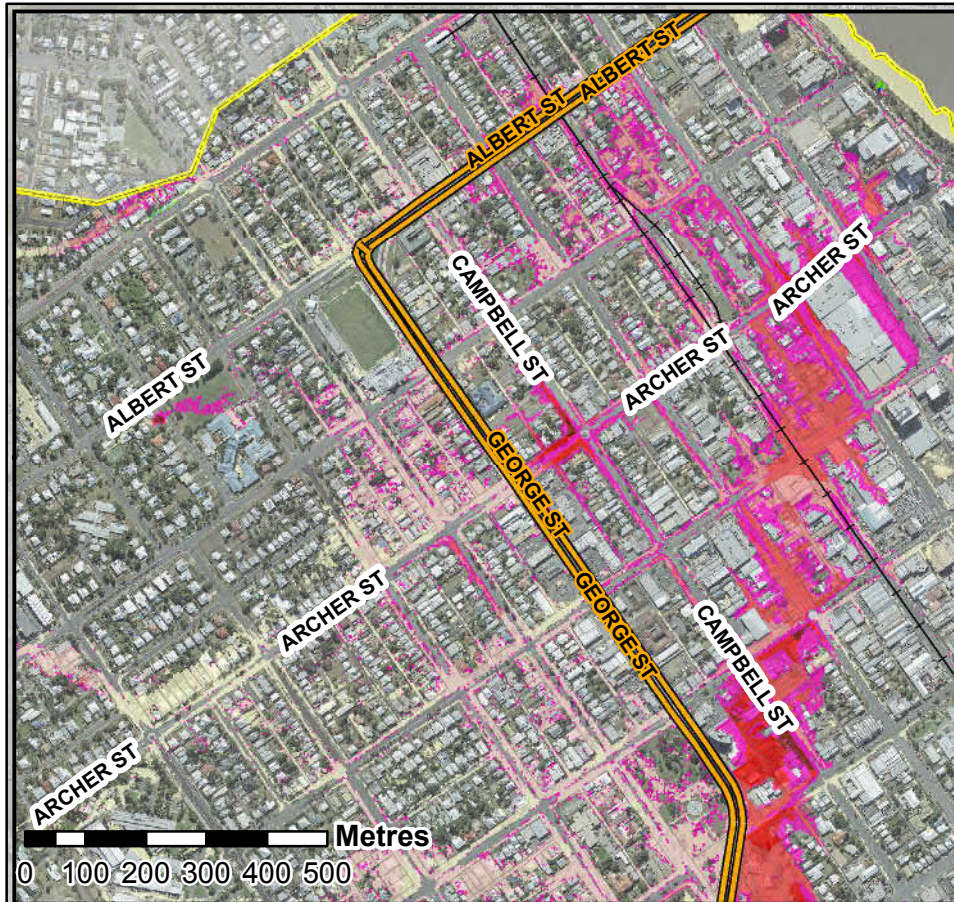
South Rockhampton Model
Difference in Peak Flood Heights
50% Stormwater Infrastructure Blockage
minus Baseline


18% AEP 120m Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	4/09/2017
VERSION:	2


Map
SR-61

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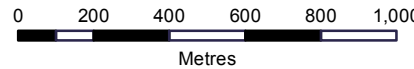


N




Rockhampton
Regional Council

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


 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

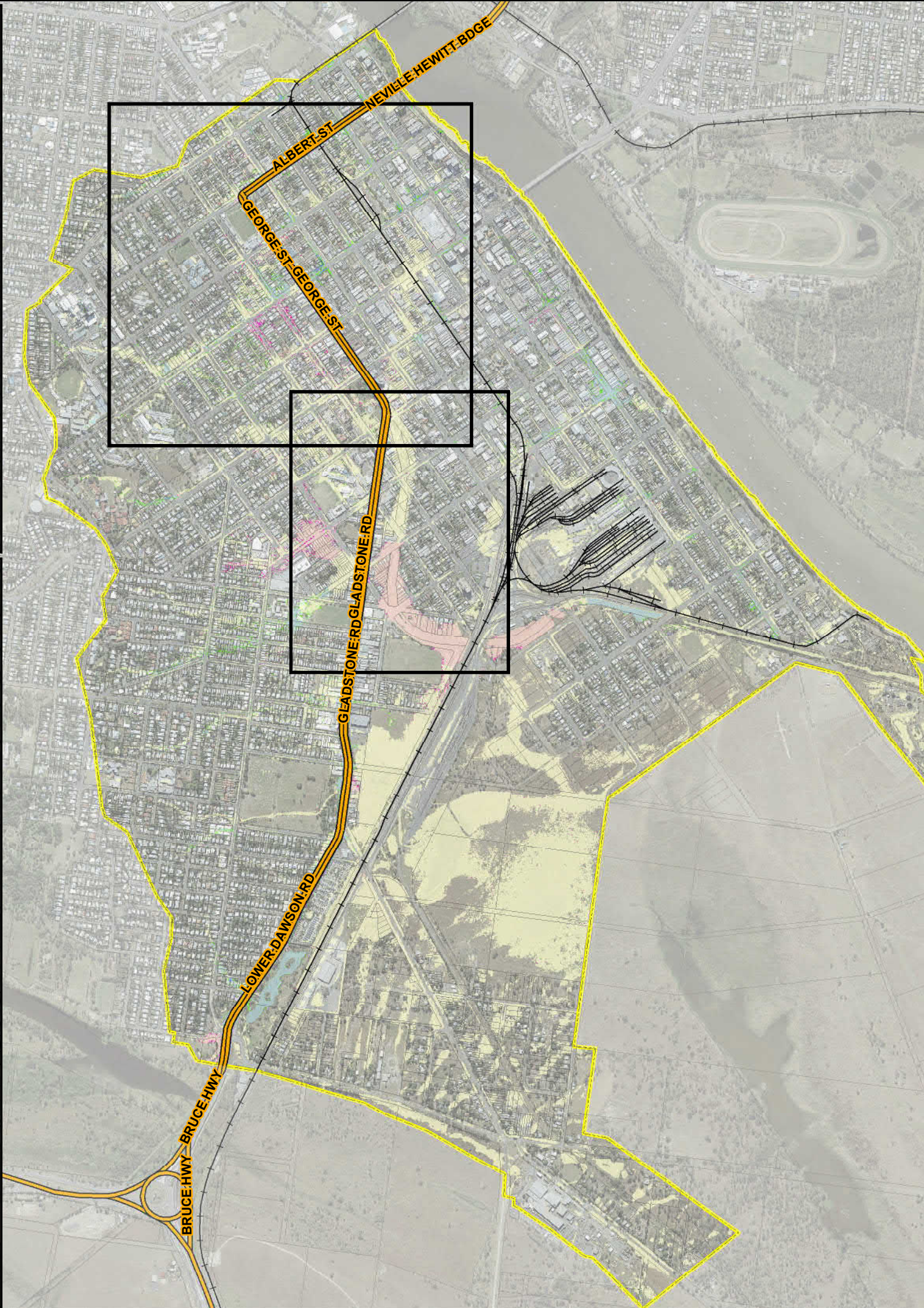
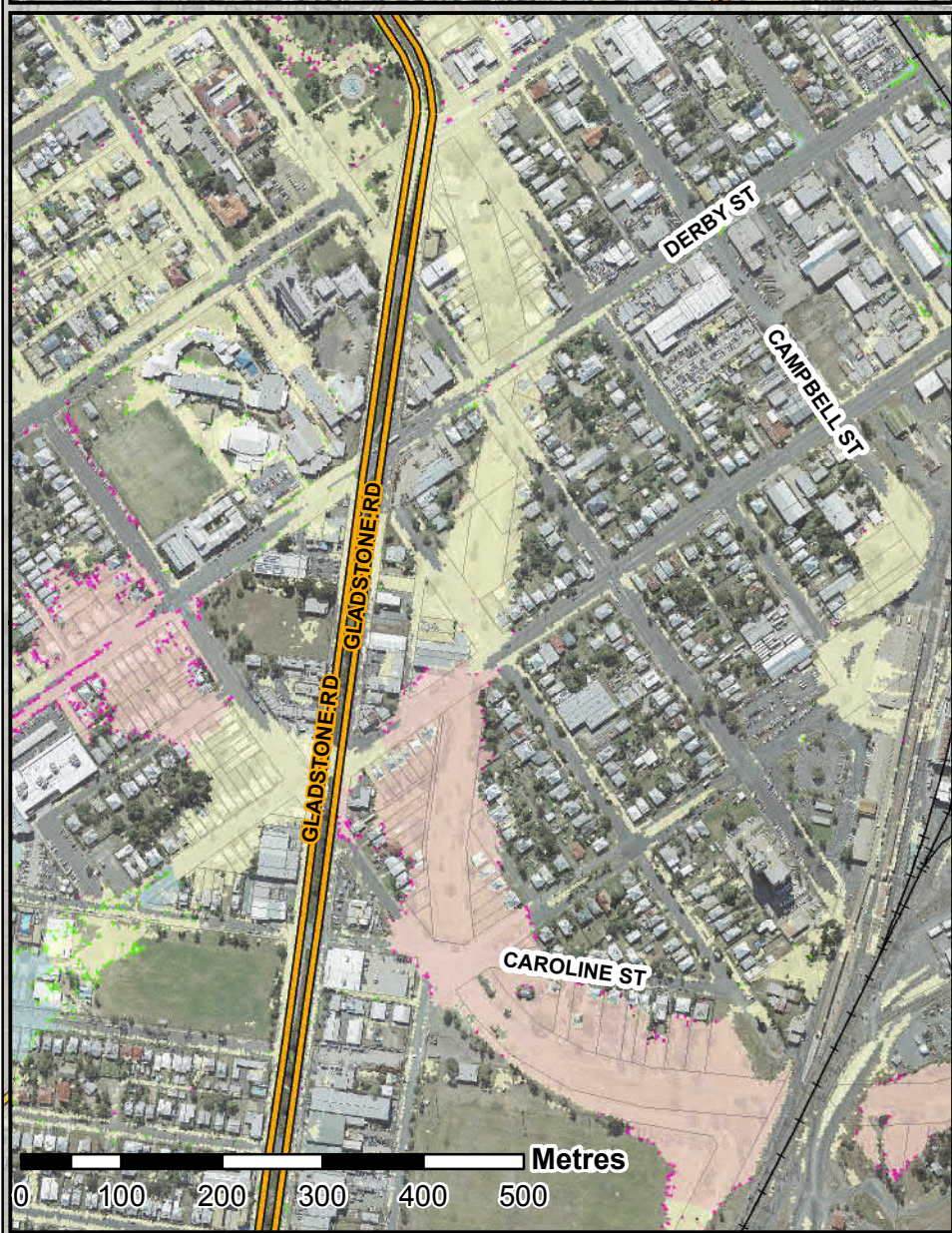
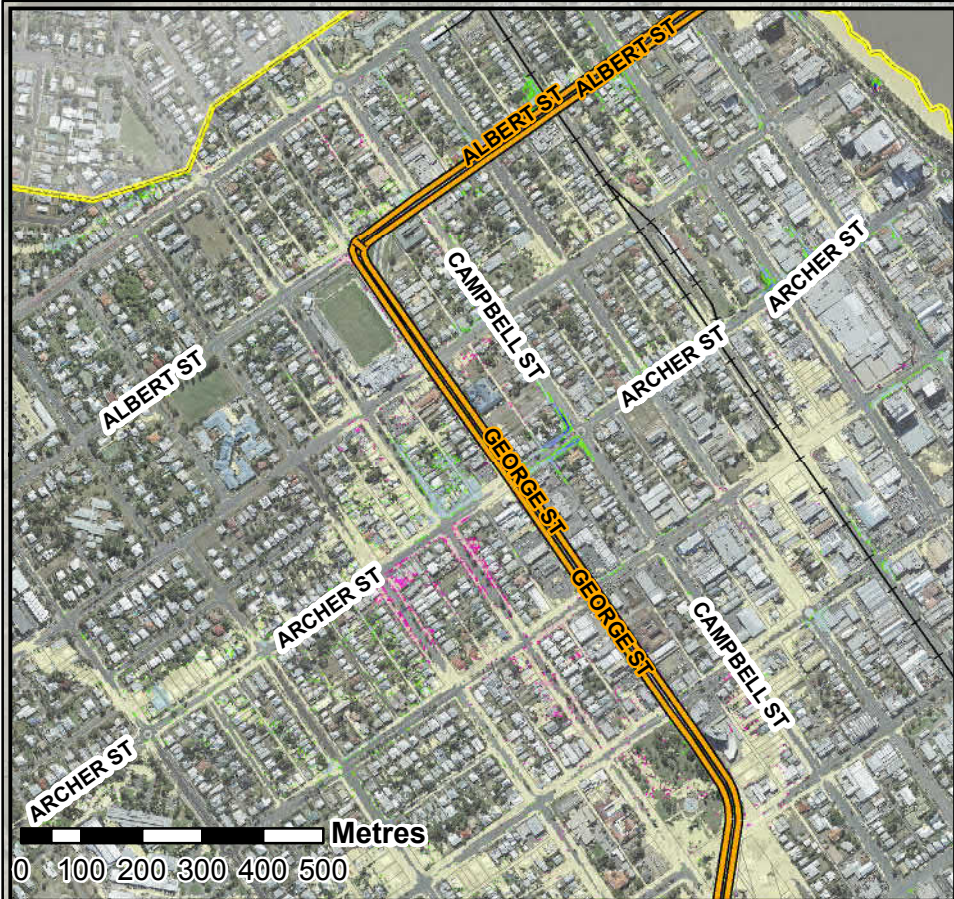
South Rockhampton Model
Difference in Peak Flood Heights
100% Stormwater Infrastructure Blockage
minus Baseline



18% AEP 120m Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	4/09/2017
VERSION:	2

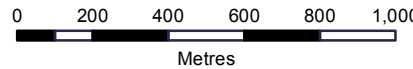
Map
SR-62

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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

- 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

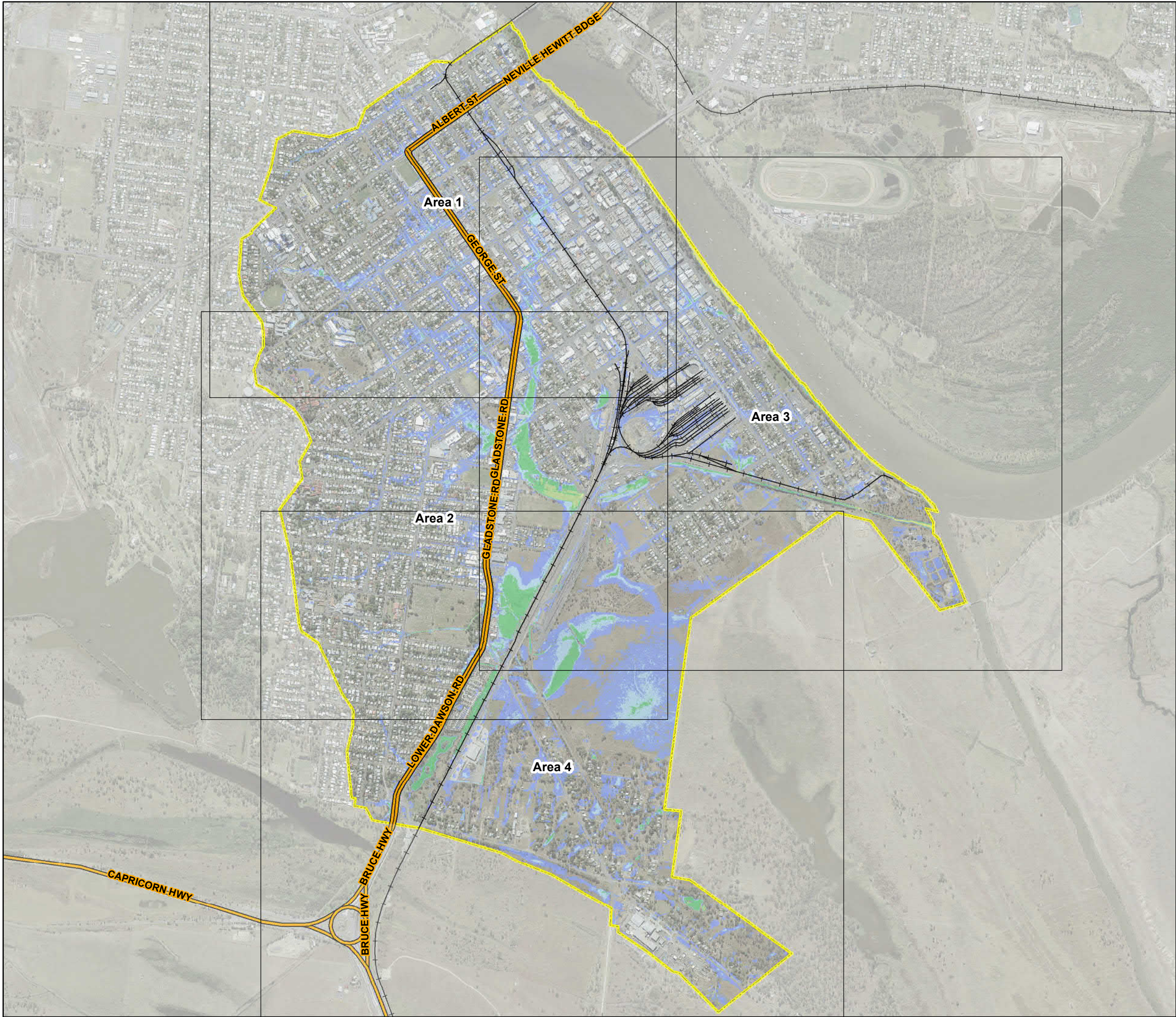
South Rockhampton Model
Difference in Peak Flood Heights
Increased Inlet Structure Dimensions
minus Baseline

18% AEP 120m Storm Event

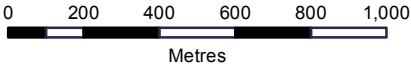
PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	4/09/2017
VERSION:	2

Map
SR-63

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DATUM GDA 1994, PROJECTION MGA ZONE 56



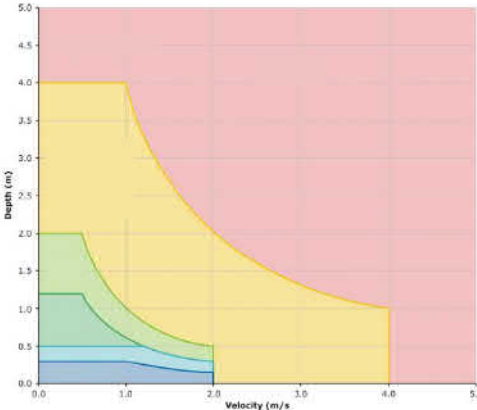
1:20,000
(when printed at A3)



LEGEND

- Highways
- Railway Lines
- Hydraulic Model Extent

Flood Hazard



Hazard Class	Description
H6	Unconditionally dangerous. Not suitable for any type of development or evacuation access. All building types considered vulnerable to failure.
H5	Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
H4	Unsafe for all people and all vehicles.
H3	Unsafe for all vehicles, children and the elderly.
H2	Unsafe for small vehicles.
H1	Relatively benign flow conditions. No vulnerability constraints.

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

South Rockhampton Model Baseline Flood Hazard - Catchment Overview

18% AEP 120m Storm Event

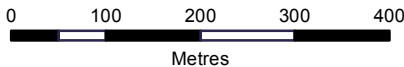
PROJECT ID: 60534898
CREATED BY: maultbyj
LAST MODIFIED: 4/09/2017
VERSION: 2

Map
SR-64

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DATUM GDA 1994, PROJECTION MGA ZONE 56



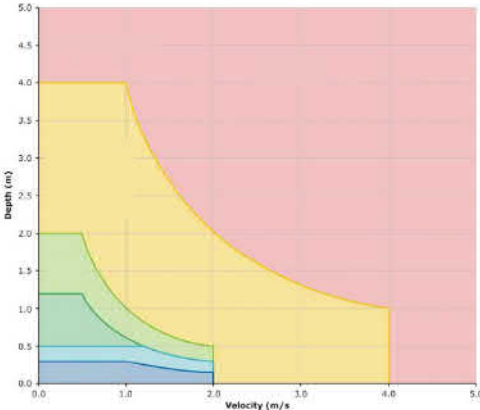
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(when printed at A3)



LEGEND

- Highways
- Railway Lines
- Hydraulic Model Extent

Flood Hazard



Hazard Class	Description
H6	Unconditionally dangerous. Not suitable for any type of development or evacuation access. All building types considered vulnerable to failure.
H5	Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
H4	Unsafe for all people and all vehicles.
H3	Unsafe for all vehicles, children and the elderly.
H2	Unsafe for small vehicles.
H1	Relatively benign flow conditions. No vulnerability constraints.

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

**South Rockhampton Model
Baseline Flood Hazard - Area 1**



18% AEP 120m Storm Event

PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 4/09/2017
VERSION: 2

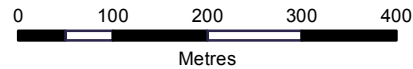
**Map
SR-65**

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DATUM GDA 1994, PROJECTION MGA ZONE 56



0 100 200 300 400
Metres

1:8,000
(when printed at A3)

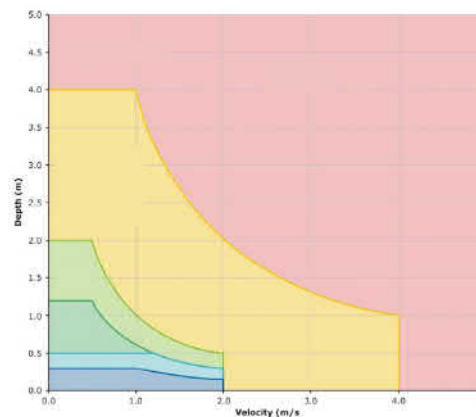


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LEGEND

- Highways
- Railway Lines
- Hydraulic Model Extent

Flood Hazard



Hazard Class	Description
H6	Unconditionally dangerous. Not suitable for any type of development or evacuation access. All building types considered vulnerable to failure.
H5	Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
H4	Unsafe for all people and all vehicles.
H3	Unsafe for all vehicles, children and the elderly.
H2	Unsafe for small vehicles.
H1	Relatively benign flow conditions. No vulnerability constraints.

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

**South Rockhampton Model
Baseline Flood Hazard - Area 2**

18% AEP 120m Storm Event



PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	4/09/2017
VERSION:	2

Map
SR-66

Filename: P:\605x\60534898\4. Tech Work Area\4.99 GIS\3. MXDs\South Rockhampton Publishing\Mapping for Volume 2 Rev 2\SR-66_18p1AEP_Hazard_Area2.mxd

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DATUM GDA 1994, PROJECTION MGA ZONE 56

0

100

200


300

400

500

Metres

1:10,000
(when printed at A3)

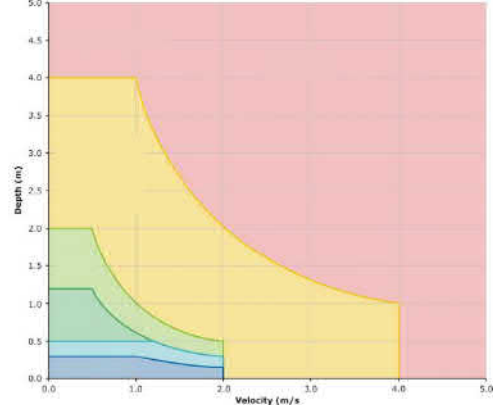


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LEGEND

- Highways
- Railway Lines
- Hydraulic Model Extent

Flood Hazard



Hazard Class	Description
H6	Unconditionally dangerous. Not suitable for any type of development or evacuation access. All building types considered vulnerable to failure.
H5	Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
H4	Unsafe for all people and all vehicles.
H3	Unsafe for all vehicles, children and the elderly.
H2	Unsafe for small vehicles.
H1	Relatively benign flow conditions. No vulnerability constraints.

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

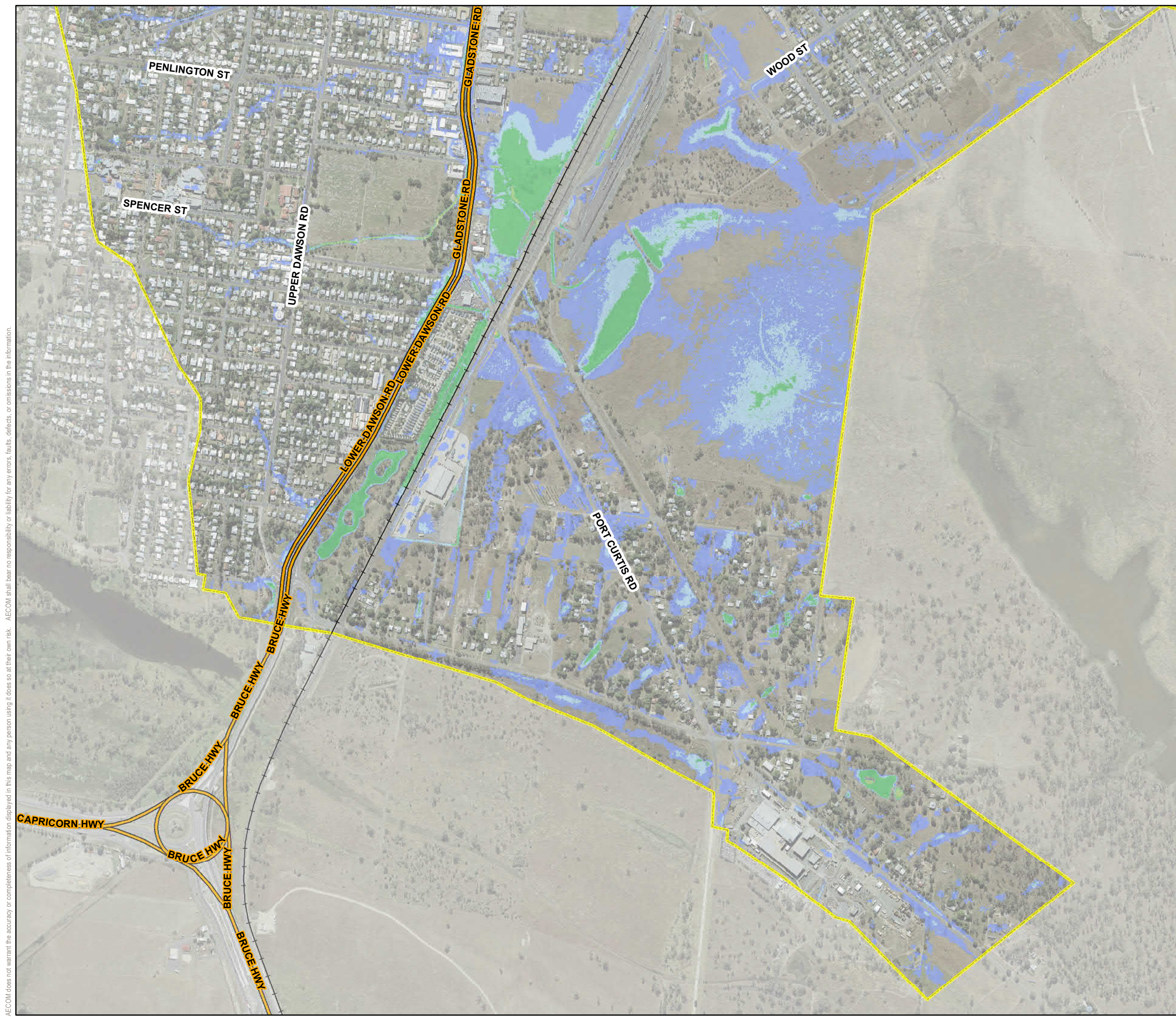
**South Rockhampton Model
Baseline Flood Hazard - Area 3**



18% AEP 120m Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	4/09/2017
VERSION:	2

**Map
SR-67**

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DATUM GDA 1994, PROJECTION MGA ZONE 56

0

100

200


300

400

500

Metres

1:10,000
(when printed at A3)

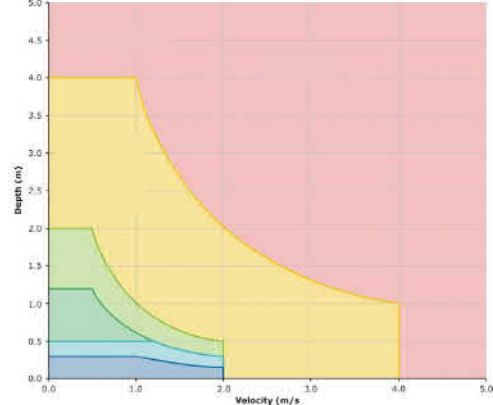


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LEGEND

- Highways
- Railway Lines
- Hydraulic Model Extent

Flood Hazard



Hazard Class	Description
H6	Unconditionally dangerous. Not suitable for any type of development or evacuation access. All building types considered vulnerable to failure.
H5	Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
H4	Unsafe for all people and all vehicles.
H3	Unsafe for all vehicles, children and the elderly.
H2	Unsafe for small vehicles.
H1	Relatively benign flow conditions. No vulnerability constraints.

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

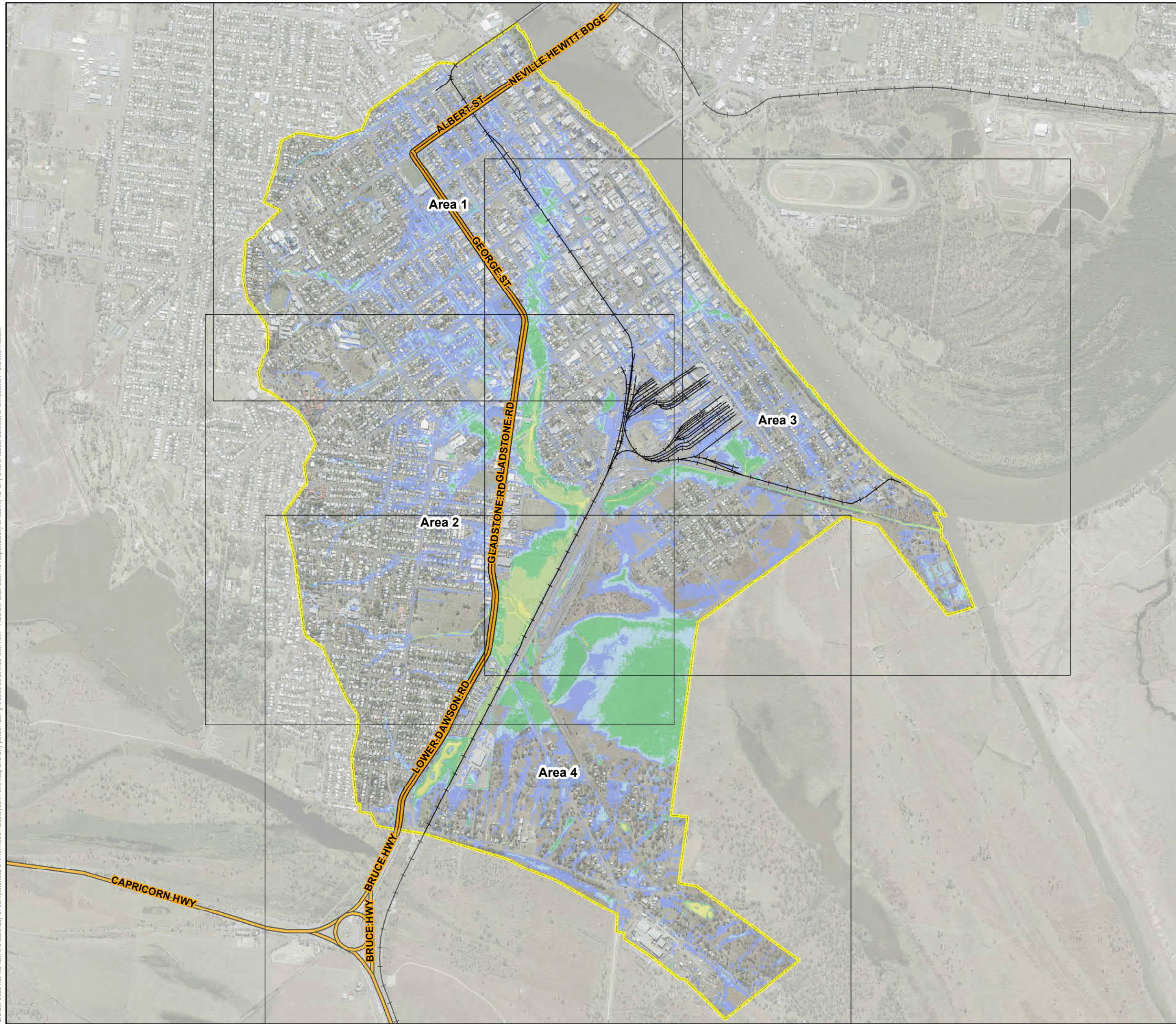
**South Rockhampton Model
Baseline Flood Hazard - Area 4**



18% AEP 120m Storm Event

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	4/09/2017
VERSION:	2

**Map
SR-68**

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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)

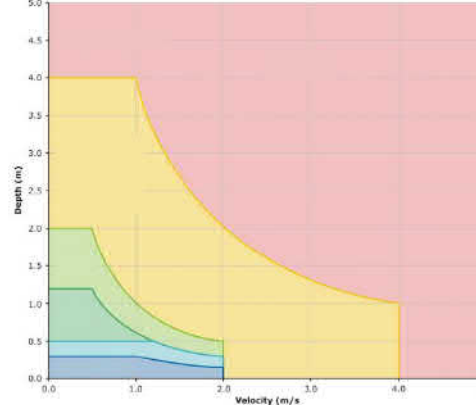


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LEGEND

- Highways
- Railway Lines
- Hydraulic Model Extent

Flood Hazard



Hazard Class	Description
H6	Unconditionally dangerous. Not suitable for any type of development or evacuation access. All building types considered vulnerable to failure.
H5	Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
H4	Unsafe for all people and all vehicles.
H3	Unsafe for all vehicles, children and the elderly.
H2	Unsafe for small vehicles.
H1	Relatively benign flow conditions. No vulnerability constraints.

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

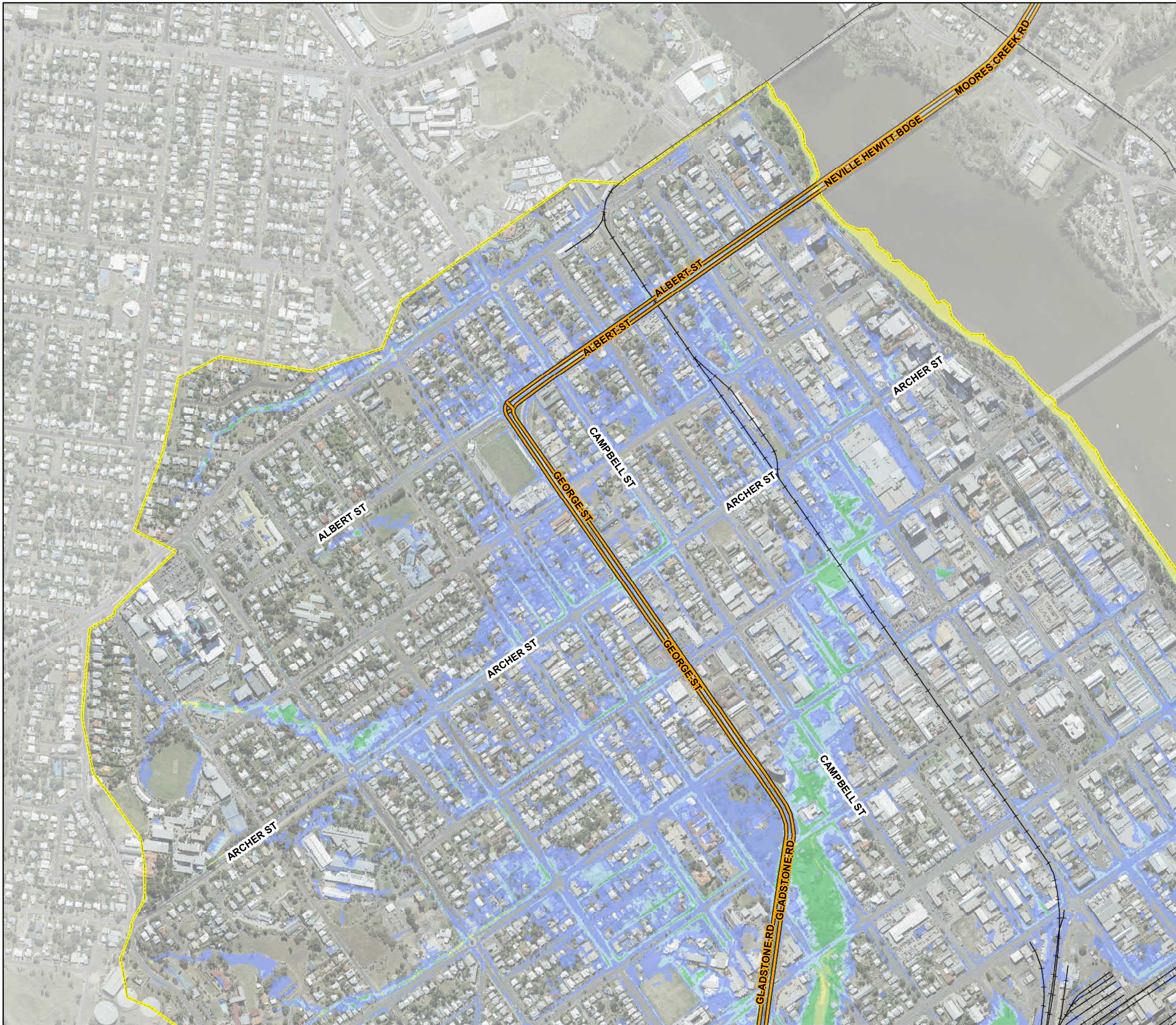
South Rockhampton Model
Baseline Flood Hazard - Catchment Overview



1% AEP (across multiple storm durations)

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	7/09/2017
VERSION:	2

Map
SR-69

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DATUM GDA 1994, PROJECTION MGA ZONE 56

0 100 200 300 400

Metres

1:8,000
(when printed at A3)

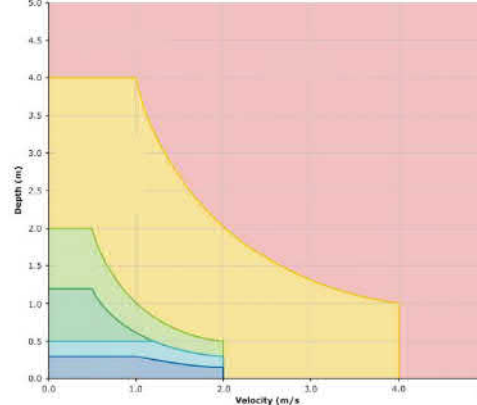


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LEGEND

- Highways
- Railway Lines
- Hydraulic Model Extent

Flood Hazard



Hazard Class	Description
H6	Unconditionally dangerous. Not suitable for any type of development or evacuation access. All building types considered vulnerable to failure.
H5	Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
H4	Unsafe for all people and all vehicles.
H3	Unsafe for all vehicles, children and the elderly.
H2	Unsafe for small vehicles.
H1	Relatively benign flow conditions. No vulnerability constraints.

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

**South Rockhampton Model
Baseline Flood Hazard - Area 1**

1% AEP (across multiple storm durations)



PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	7/09/2017
VERSION:	2

Map
SR-70

Filename: P:\605x\60534898\4. Tech Work Area\4.99 GIS\3. MXDs\South Rockhampton Publishing\Mapping for Volume 2 Rev 2\SR-70_1p00AEP_Hazard_Area1.mxd

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DATUM GDA 1994, PROJECTION MGA ZONE 56

0 100 200 300 400

Metres

1:8,000
(when printed at A3)

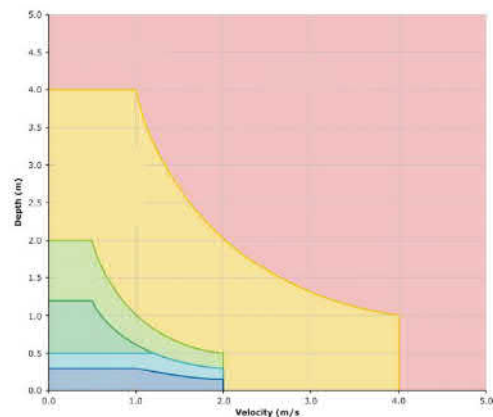


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LEGEND

- Highways
- Railway Lines
- Hydraulic Model Extent

Flood Hazard



Hazard Class	Description
H6	Unconditionally dangerous. Not suitable for any type of development or evacuation access. All building types considered vulnerable to failure.
H5	Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
H4	Unsafe for all people and all vehicles.
H3	Unsafe for all vehicles, children and the elderly.
H2	Unsafe for small vehicles.
H1	Relatively benign flow conditions. No vulnerability constraints.

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

South Rockhampton Model
Baseline Flood Hazard - Area 2

1% AEP (across multiple storm durations)

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	7/09/2017
VERSION:	2

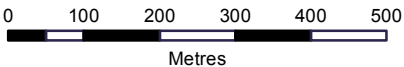
Map

SR-71

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DATUM GDA 1994, PROJECTION MGA ZONE 56



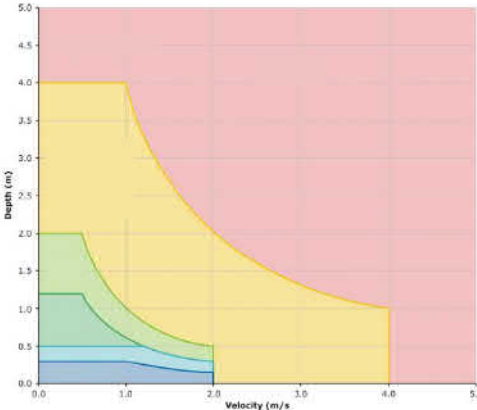
1:10,000
(when printed at A3)



LEGEND

- Highways
- Railway Lines
- Hydraulic Model Extent

Flood Hazard



Hazard Class	Description
H6	Unconditionally dangerous. Not suitable for any type of development or evacuation access. All building types considered vulnerable to failure.
H5	Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
H4	Unsafe for all people and all vehicles.
H3	Unsafe for all vehicles, children and the elderly.
H2	Unsafe for small vehicles.
H1	Relatively benign flow conditions. No vulnerability constraints.

Flood results are based on local catchment events

Data Sources:	Results Filtering:
DCDB (c) 2016 QLD Government Imagery (c) 2016 RRC	75mm Min. Depth 100m ² Min. Area

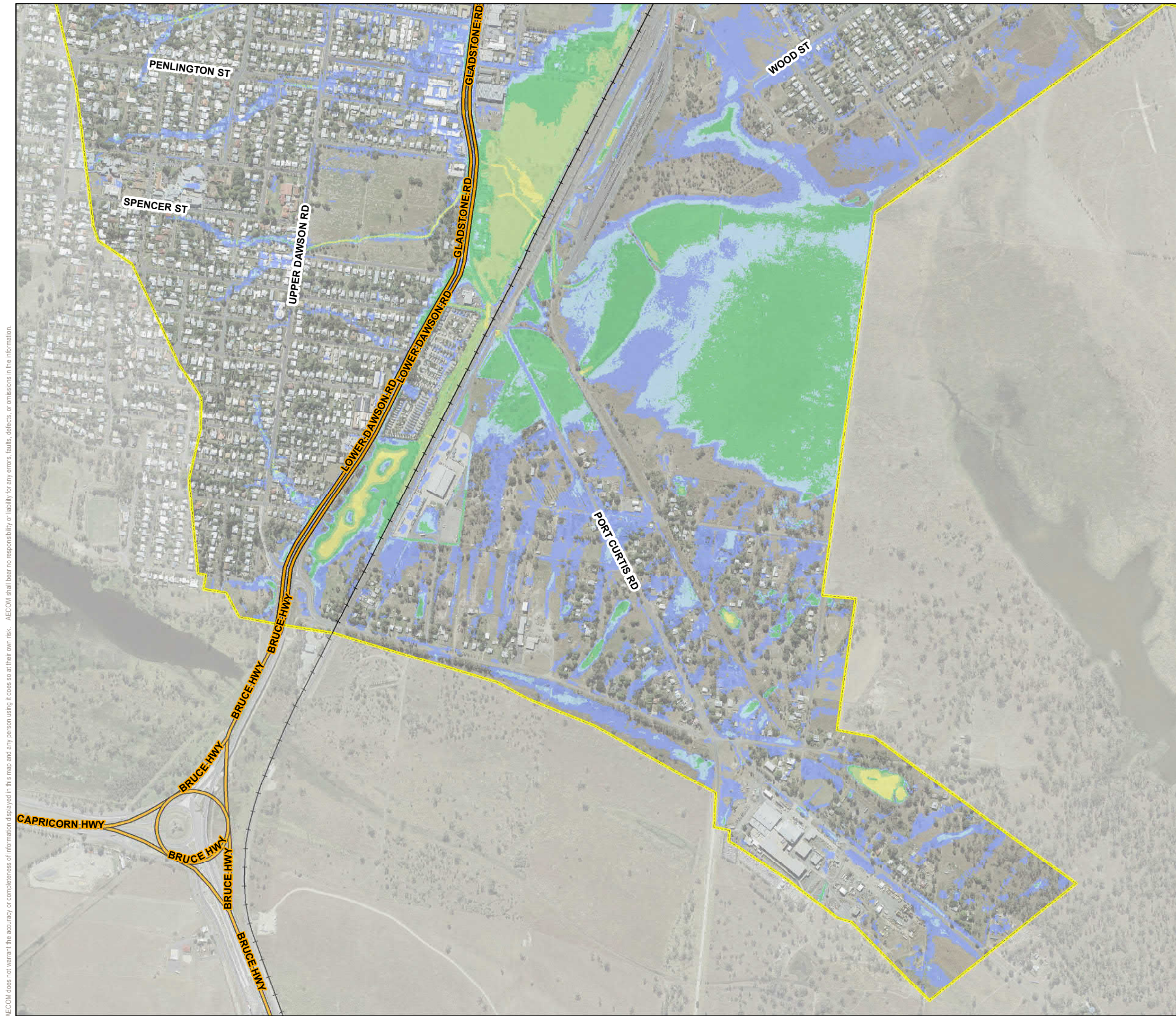
South Rockhampton Model
Baseline Flood Hazard - Area 3

1% AEP (across multiple storm durations)

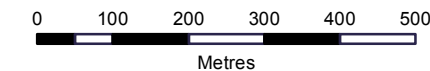
PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 7/09/2017
VERSION: 2

Map
SR-72

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DATUM GDA 1994, PROJECTION MGA ZONE 56



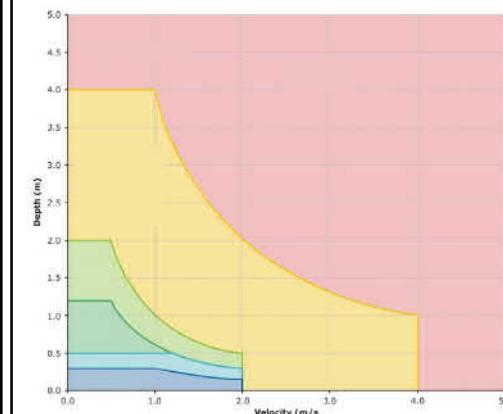
1:10,000
(when printed at A3)



LEGEND

- Highways
- Railway Lines
- Hydraulic Model Extent

Flood Hazard



Hazard Class	Description
H6	Unconditionally dangerous. Not suitable for any type of development or evacuation access. All building types considered vulnerable to failure.
H5	Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
H4	Unsafe for all people and all vehicles.
H3	Unsafe for all vehicles, children and the elderly.
H2	Unsafe for small vehicles.
H1	Relatively benign flow conditions. No vulnerability constraints.

**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

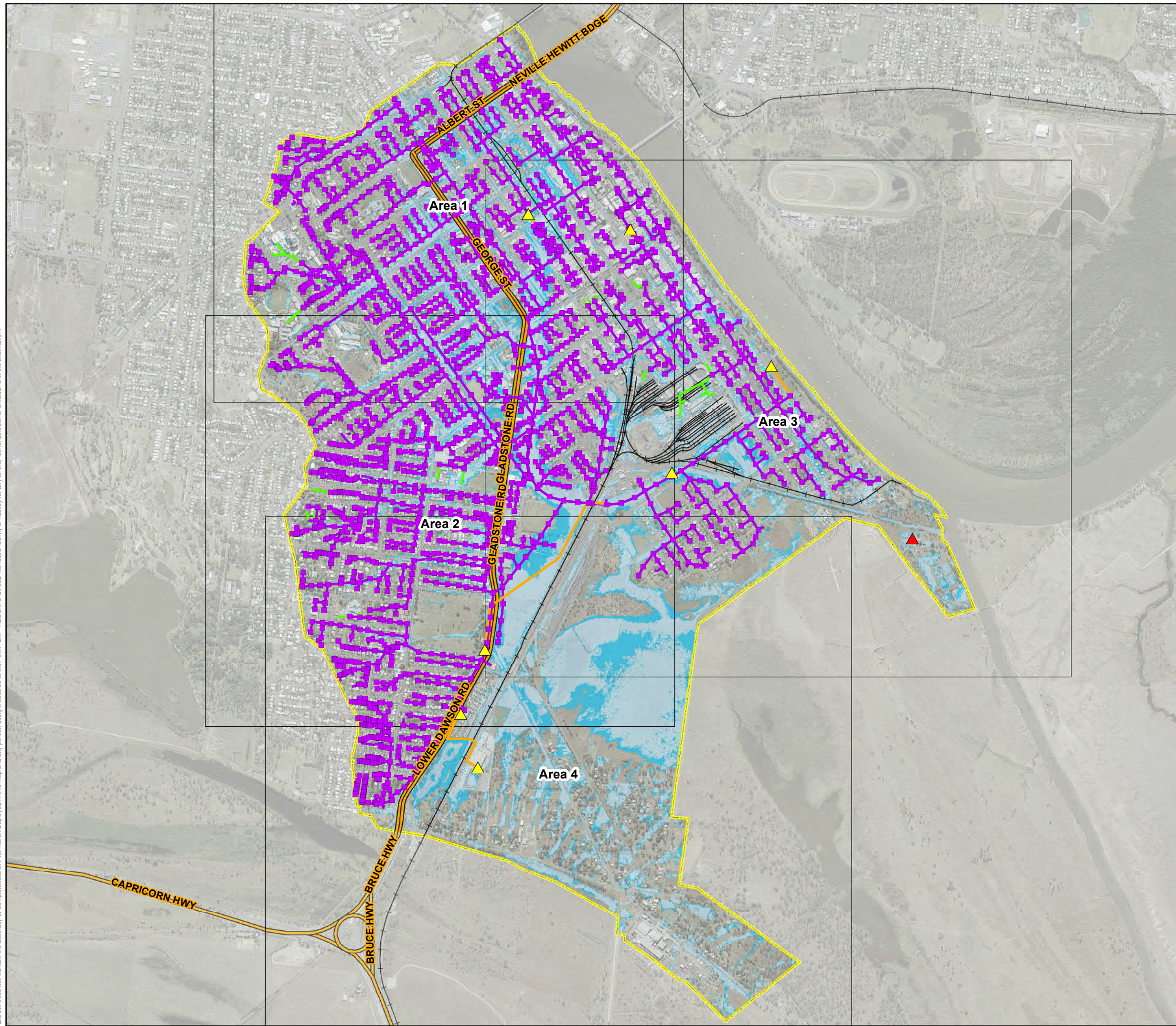
South Rockhampton Model Baseline Flood Hazard - Area 4



1% AEP (across multiple storm durations)

PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 7/09/2017
VERSION: 2

Map
SR-73

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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

Sewerage Structures


 Pump Stations


 Treatment Plants


Sewerage Points


 Access Chambers


Sewerage Pipes


 Rising Mains


 Jump Ups


 Gravity Mains

 Highways

 Railway Lines

 Hydraulic Model Extent

 18% AEP Flood Extent

 1% AEP Flood Extent

**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

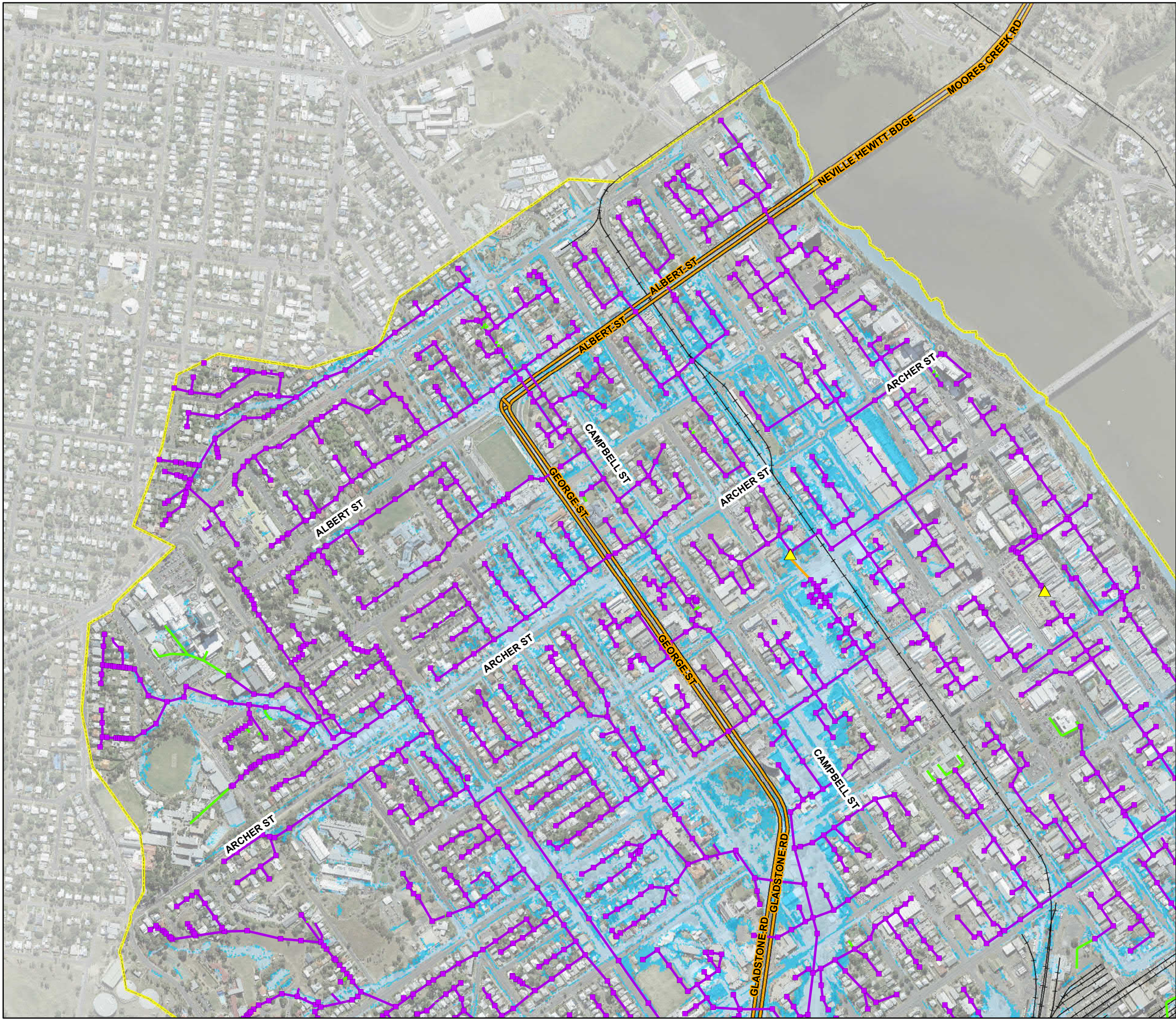
**South Rockhampton Model
Sewerage Infrastructure - Catchment
Overview**

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	4/09/2017
VERSION:	2

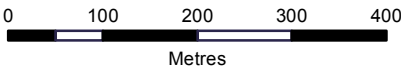
Map

SR-74

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DATUM GDA 1994, PROJECTION MGA ZONE 56



1:8,000
(when printed at A3)



LEGEND

Sewerage Structures

- Pump Stations
- Treatment Plants

Sewerage Points

- Access Chambers

Sewerage Pipes

- Rising Mains
- Jump Ups
- Gravity Mains
- Highways
- Railway Lines
- Hydraulic Model Extent
- 18% AEP Flood Extent
- 1% AEP Flood Extent

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

Data Sources:

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

Results Filtering:

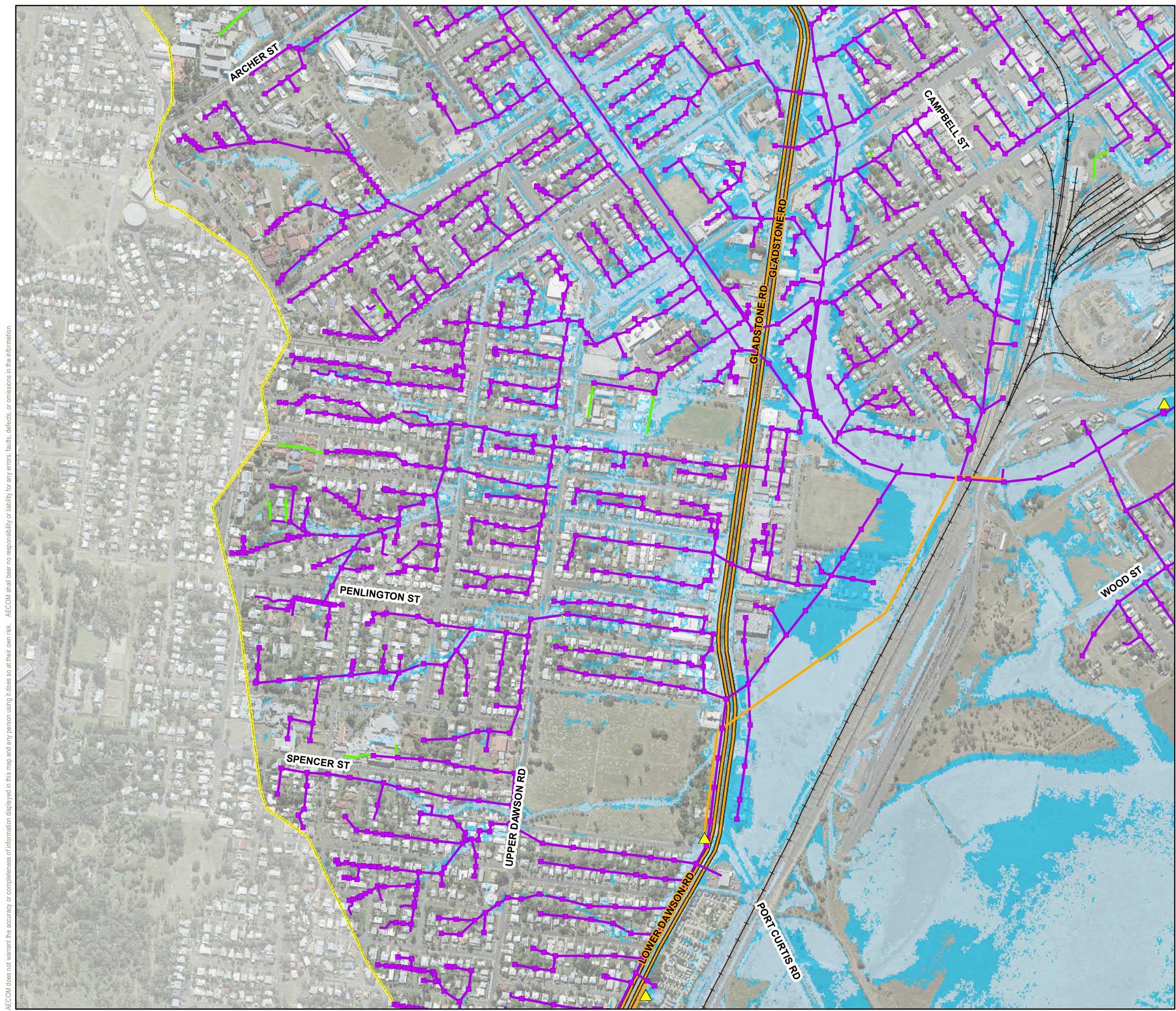
75mm Min. Depth
100m² Min. Area



**South Rockhampton Model
Sewerage Infrastructure - Area 1**

PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 4/09/2017
VERSION: 2

**Map
SR-75**

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DATUM GDA 1994, PROJECTION MGA ZONE 56

0 100 200 300 400

Metres



1:8,000
(when printed at A3)




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LEGEND









Sewerage Structures

-  Pump Stations
-  Treatment Plants

Sewerage Points

-  Access Chambers

Sewerage Pipes

-  Rising Mains
-  Jump Ups
-  Gravity Mains
-  Highways
-  Railway Lines
-  Hydraulic Model Extent
-  18% AEP Flood Extent
-  1% AEP Flood Extent

Flood results are based on local catchment events

Data Sources:

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

Results Filtering:

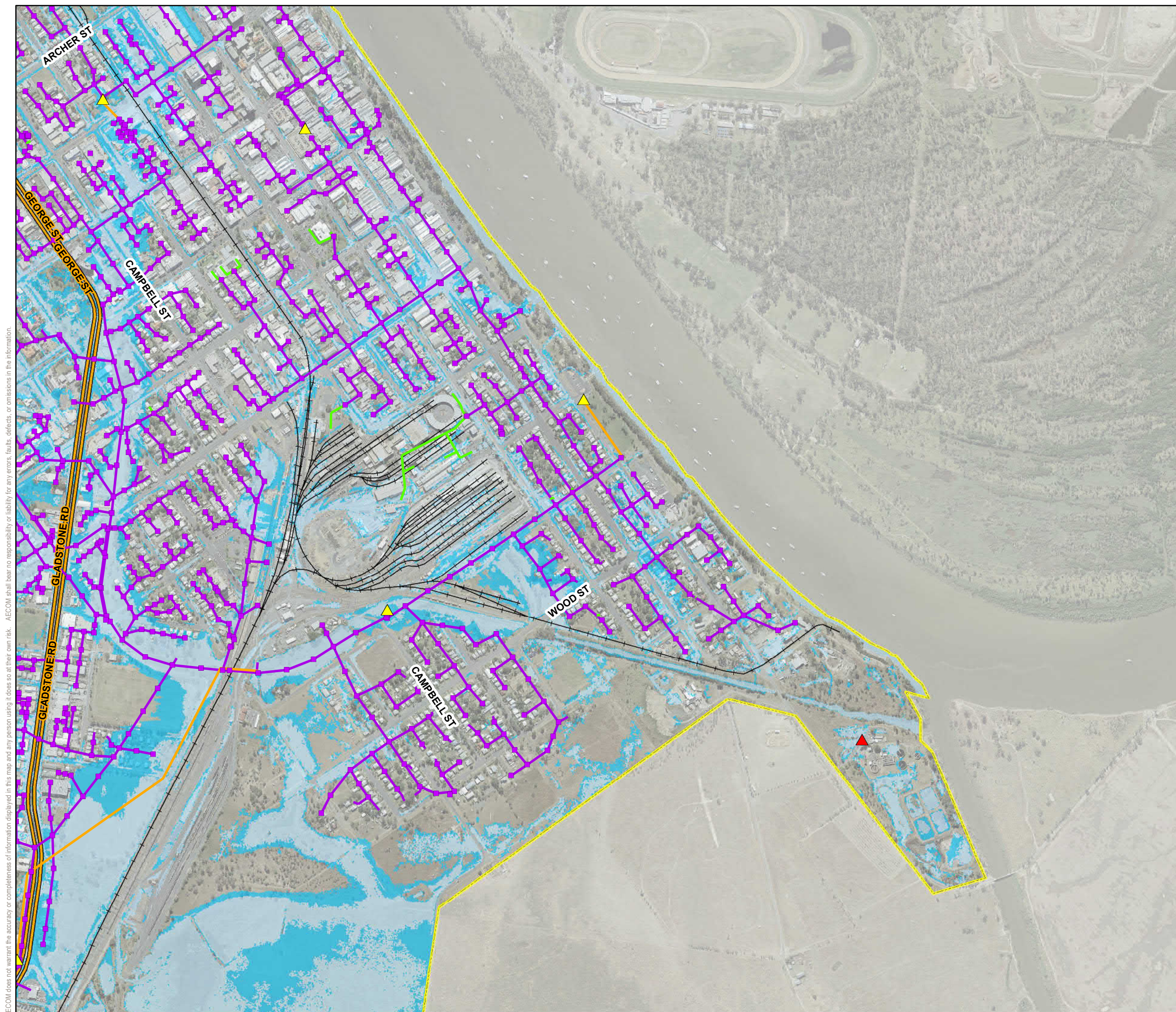
75mm Min. Depth
100m² Min. Area



**South Rockhampton Model
Sewerage Infrastructure - Area 2**

PROJECT ID	60534898
CREATED BY	maulbyj
LAST MODIFIED	4/09/2017
VERSION:	2

**Map
SR-76**

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DATUM GDA 1994, PROJECTION MGA ZONE 56

0

100

200


300












400

500

Metres

1:10,000
(when printed at A3)



- LEGEND**
- Sewerage Structures**
-  Pump Stations
 -  Treatment Plants
- Sewerage Points**
-  Access Chambers
- Sewerage Pipes**
-  Rising Mains
 -  Jump Ups
 -  Gravity Mains
 -  Highways
 -  Railway Lines
 -  Hydraulic Model Extent
 -  18% AEP Flood Extent
 -  1% AEP Flood Extent

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

Data Sources:

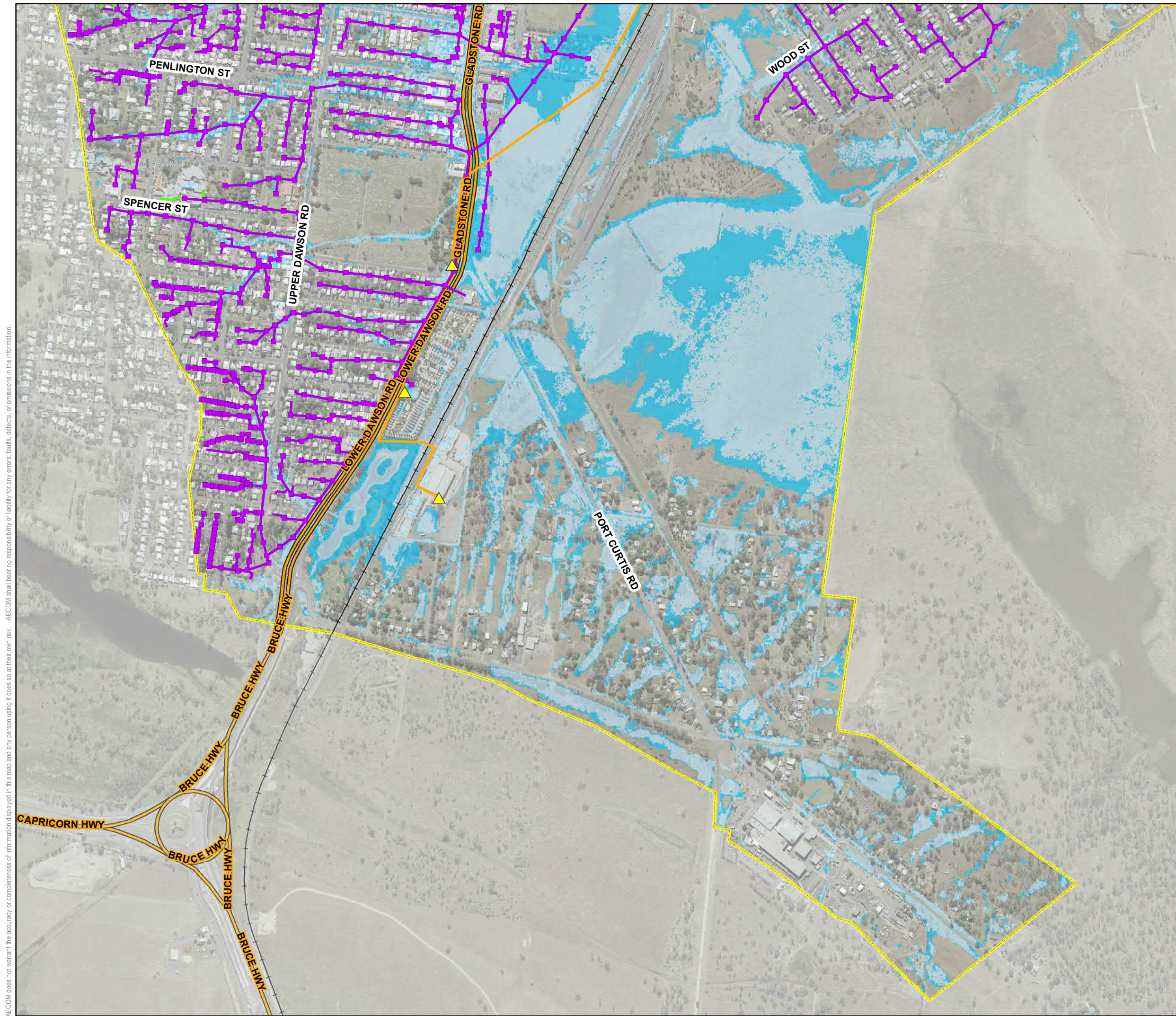
DCDB (c) 2016 QLD Government
Imagery (c) 2016 RRC

Results Filtering:

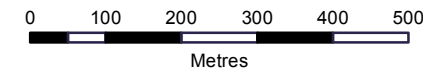
75mm Min. Depth
100m² Min. Area

South Rockhampton Model Sewerage Infrastructure - Area 3	
<div><div>PROJECT ID</div><div>60534898</div></div> <div><div>CREATED BY</div><div>maulbyj</div></div> <div><div>LAST MODIFIED</div><div>4/09/2017</div></div> <div><div>VERSION:</div><div>2</div></div>	<div>Map</div> <div>SR-77</div>

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DATUM GDA 1994, PROJECTION MGA ZONE 56



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(when printed at A3)



LEGEND

Sewerage Structures

- Pump Stations
- Treatment Plants

Sewerage Points

- Access Chambers

Sewerage Pipes

- Rising Mains
- Jump Ups
- Gravity Mains
- Highways
- Railway Lines
- Hydraulic Model Extent
- 18% AEP Flood Extent
- 1% AEP Flood Extent

**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

South Rockhampton Model Sewerage Infrastructure - Area 4

PROJECT ID 60534898
CREATED BY maultbyj
LAST MODIFIED 4/09/2017
VERSION: 2

Map
SR-78