



Sensitivity Analysis SS1
 Mannings Roughness +20%
 FFA 1% AEP Peak Flood
 Level Difference Plot

Parramatta River Flood Study

Project Code: 59916074
 Drawn By: AS
 Map: 59916074-GS-055-
 1p_SensitivityPlus20_WLD_5k.mxd
 Rev: 07
 Date: 2023-06-12

- Study Area
- Watercourse
- Cadastre
- Building Footprint
- Tuflow Model Extent

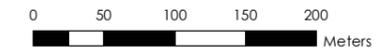
MN+20% less Design FFA 1% Water Level Difference (m)

- Was Wet Now Dry
- Was Dry Now Wet
- < -0.5
- 0.5 to -0.2
- 0.2 to -0.1
- 0.1 to -0.05
- 0.05 to -0.01
- 0.01 to 0.01
- 0.01 to 0.05
- 0.05 to 0.1
- 0.1 to 0.2
- 0.2 to 0.5
- > 0.5

Figure M3.1

Notes:
 1. Coordinate System: GDA 1994 MGA Zone 56

- References:
1. Base data supplied by NSW SS and Esri
 2. Aerial imagery supplied by MetroMap
 3. Cadastre (2015) supplied by PCC



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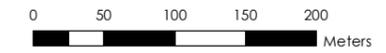
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- 0.1 to -0.05
- 0.05 to -0.01
- 0.01 to 0.01
- 0.01 to 0.05
- 0.05 to 0.1
- 0.1 to 0.2
- 0.2 to 0.5
- > 0.5

Figure M3.2

Notes:
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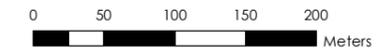
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 - 0.1 to -0.05
 - 0.05 to -0.01
 - 0.01 to 0.01
 - 0.01 to 0.05
 - 0.05 to 0.1
 - 0.1 to 0.2
 - 0.2 to 0.5
 - > 0.5

Figure M3.3

Notes:
 1. Coordinate System: GDA 1994 MGA Zone 56

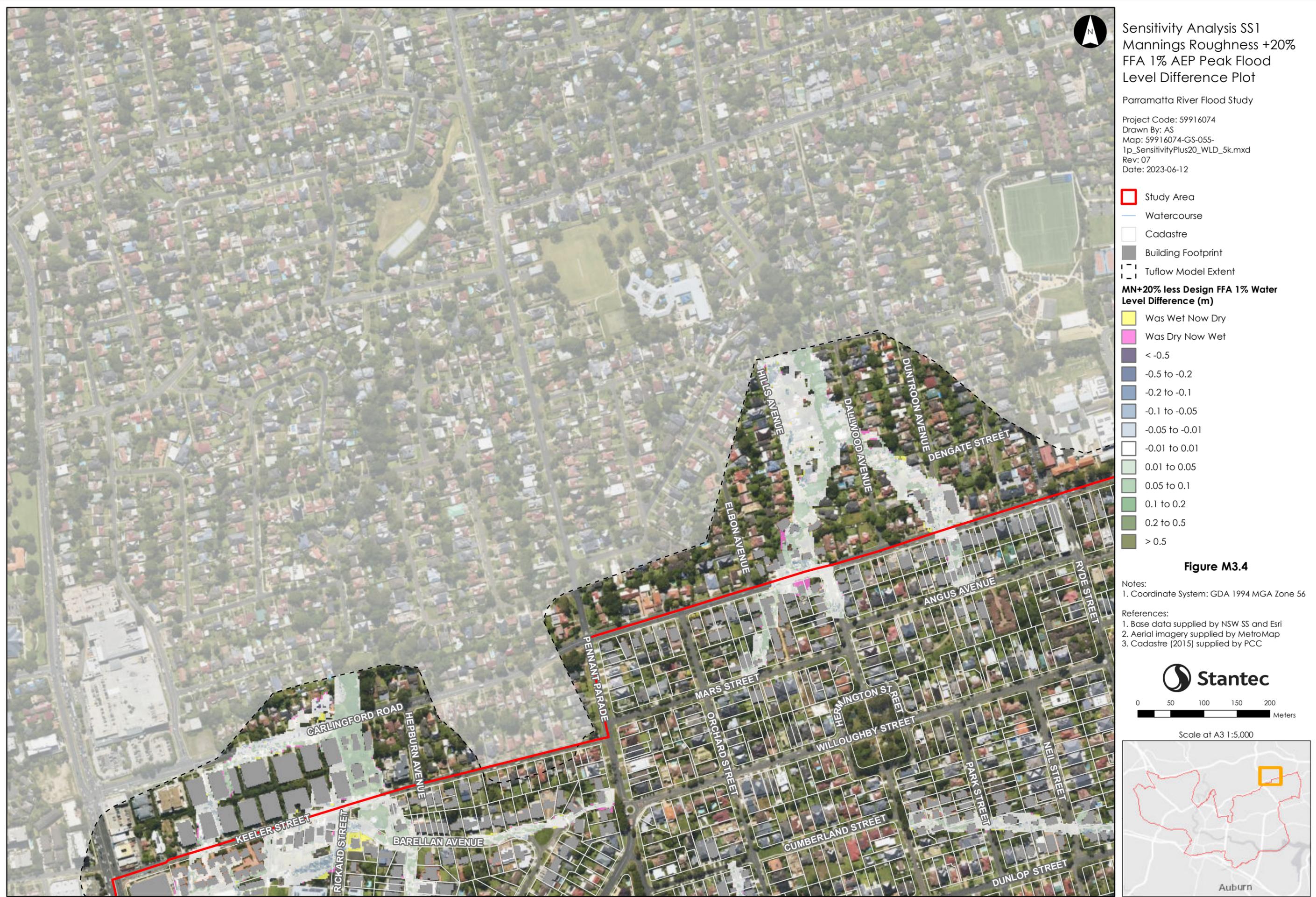
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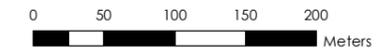
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- Tuflow Model Extent
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 - Was Dry Now Wet
 - <math>< -0.5</math>
 - 0.5 to -0.2
 - 0.2 to -0.1
 - 0.1 to -0.05
 - 0.05 to -0.01
 - 0.01 to 0.01
 - 0.01 to 0.05
 - 0.05 to 0.1
 - 0.1 to 0.2
 - 0.2 to 0.5
 - > 0.5

Figure M3.5

Notes:
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Study Area

Watercourse

Cadastre

Building Footprint

Tulflow Model Extent

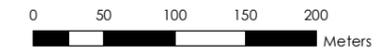
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- 0.05 to -0.01
- 0.01 to 0.01
- 0.01 to 0.05
- 0.05 to 0.1
- 0.1 to 0.2
- 0.2 to 0.5
- > 0.5

Figure M3.6

Notes:
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Study Area

Watercourse

Cadastre

Building Footprint

Tufflow Model Extent

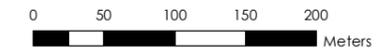
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- 0.05 to -0.01
- 0.01 to 0.01
- 0.01 to 0.05
- 0.05 to 0.1
- 0.1 to 0.2
- 0.2 to 0.5
- > 0.5

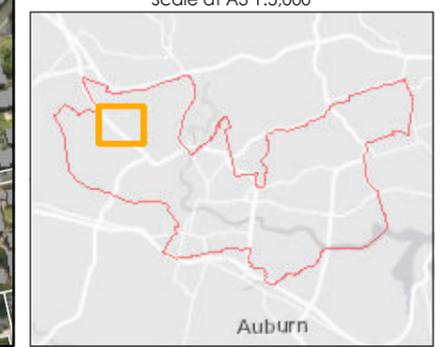
Figure M3.7

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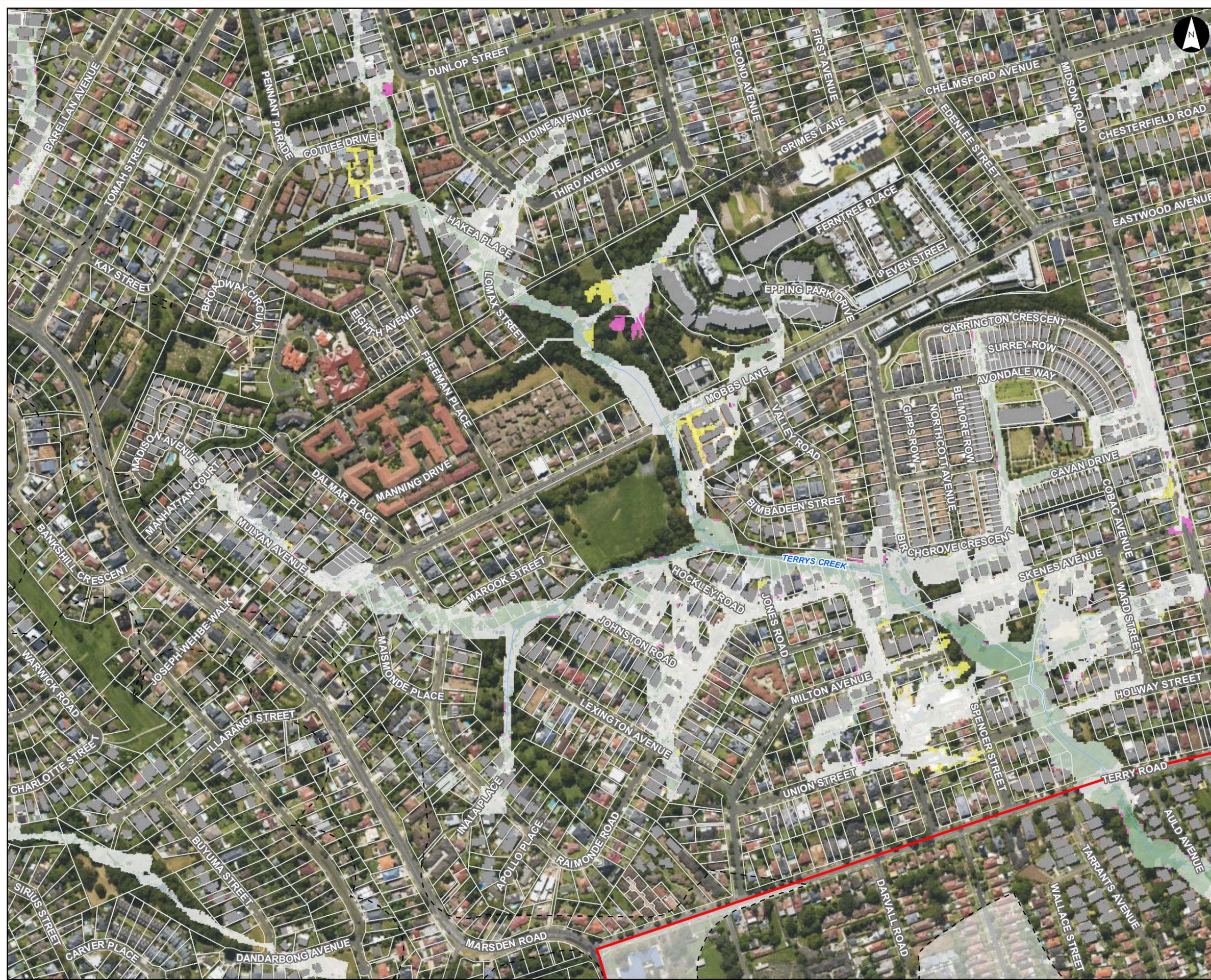
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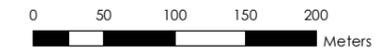
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- 0.05 to -0.01
- 0.01 to 0.01
- 0.01 to 0.05
- 0.05 to 0.1
- 0.1 to 0.2
- 0.2 to 0.5
- > 0.5

Figure M3.12

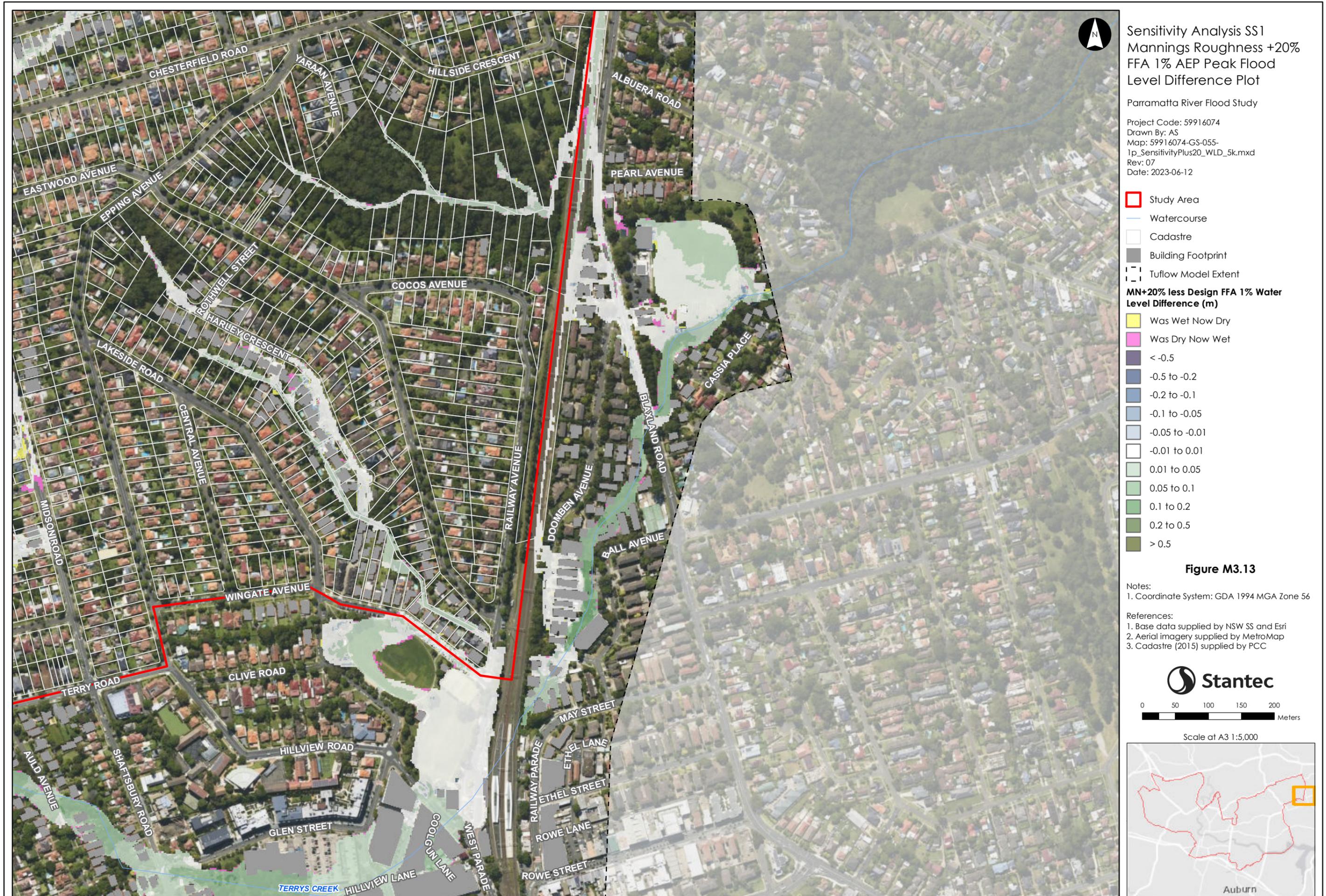
Notes:
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Legend

- Study Area
- Watercourse
- Cadastre
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- Tufflow Model Extent

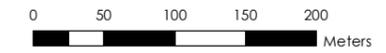
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- 0.01 to 0.01
- 0.01 to 0.05
- 0.05 to 0.1
- 0.1 to 0.2
- 0.2 to 0.5
- > 0.5

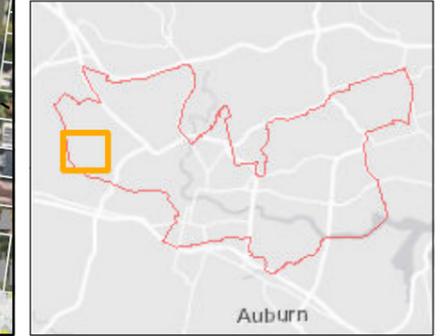
Figure M3.14

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Study Area

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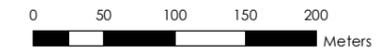
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- 0.05 to -0.01
- 0.01 to 0.01
- 0.01 to 0.05
- 0.05 to 0.1
- 0.1 to 0.2
- 0.2 to 0.5
- > 0.5

Figure M3.15

Notes:
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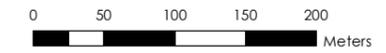
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- -0.2 to -0.1
- -0.1 to -0.05
- -0.05 to -0.01
- -0.01 to 0.01
- 0.01 to 0.05
- 0.05 to 0.1
- 0.1 to 0.2
- 0.2 to 0.5
- > 0.5

Figure M3.16

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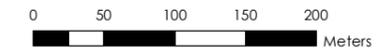
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- 0.05 to -0.01
- 0.01 to 0.01
- 0.01 to 0.05
- 0.05 to 0.1
- 0.1 to 0.2
- 0.2 to 0.5
- > 0.5

Figure M3.17

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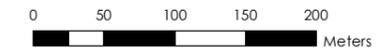
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- 0.01 to 0.01
- 0.01 to 0.05
- 0.05 to 0.1
- 0.1 to 0.2
- 0.2 to 0.5
- > 0.5

Figure M3.18

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Study Area

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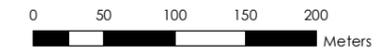
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- 0.05 to -0.01
- 0.01 to 0.01
- 0.01 to 0.05
- 0.05 to 0.1
- 0.1 to 0.2
- 0.2 to 0.5
- > 0.5

Figure M3.19

Notes:
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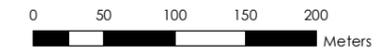
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 - 0.01 to 0.01
 - 0.01 to 0.05
 - 0.05 to 0.1
 - 0.1 to 0.2
 - 0.2 to 0.5
 - > 0.5

Figure M3.20

Notes:
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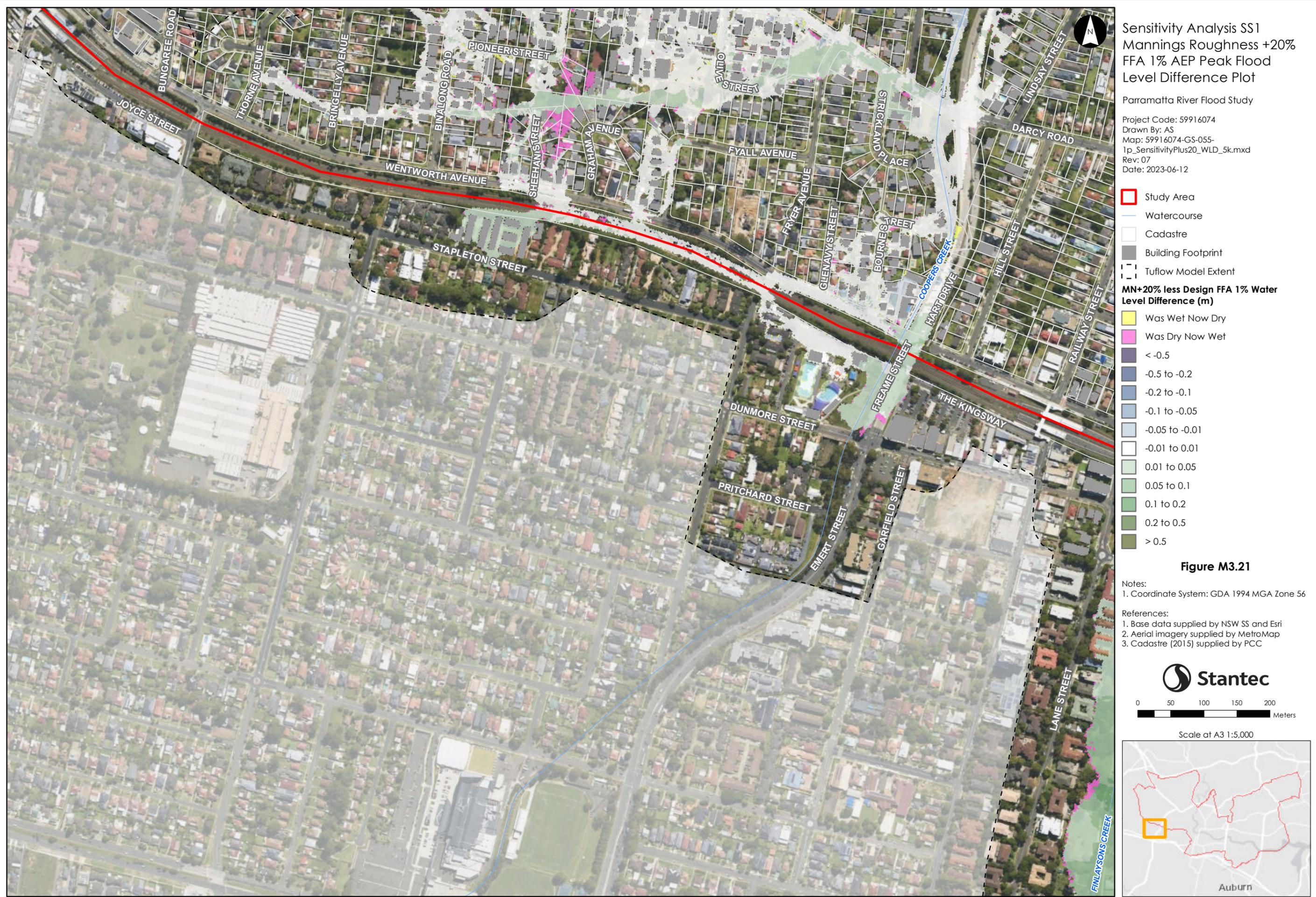
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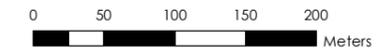
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 - 0.01 to 0.01
 - 0.01 to 0.05
 - 0.05 to 0.1
 - 0.1 to 0.2
 - 0.2 to 0.5
 - > 0.5

Figure M3.21

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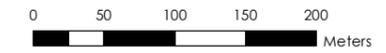
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- Building Footprint
- Tuflow Model Extent
- MN+20% less Design FFA 1% Water Level Difference (m)**
- Was Wet Now Dry
- Was Dry Now Wet
- < -0.5
- 0.5 to -0.2
- 0.2 to -0.1
- 0.1 to -0.05
- 0.05 to -0.01
- 0.01 to 0.01
- 0.01 to 0.05
- 0.05 to 0.1
- 0.1 to 0.2
- 0.2 to 0.5
- > 0.5

Figure M3.22

Notes:
 1. Coordinate System: GDA 1994 MGA Zone 56

References:
 1. Base data supplied by NSW SS and Esri
 2. Aerial imagery supplied by MetroMap
 3. Cadastre (2015) supplied by PCC



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Sensitivity Analysis SS1
Mannings Roughness +20%
FFA 1% AEP Peak Flood
Level Difference Plot

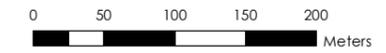
Parramatta River Flood Study

Project Code: 59916074
Drawn By: AS
Map: 59916074-GS-055-
1p_SensitivityPlus20_WLD_5k.mxd
Rev: 07
Date: 2023-06-12

- Study Area
 - Watercourse
 - Cadastre
 - Building Footprint
 - Tuflow Model Extent
- MN+20% less Design FFA 1% Water Level Difference (m)**
- Was Wet Now Dry
 - Was Dry Now Wet
 - <math>< -0.5</math>
 - $-0.5 \text{ to } -0.2$
 - $-0.2 \text{ to } -0.1$
 - $-0.1 \text{ to } -0.05$
 - $-0.05 \text{ to } -0.01$
 - $-0.01 \text{ to } 0.01$
 - $0.01 \text{ to } 0.05$
 - $0.05 \text{ to } 0.1$
 - $0.1 \text{ to } 0.2$
 - $0.2 \text{ to } 0.5$
 - > 0.5

Figure M3.23

- Notes:
- Coordinate System: GDA 1994 MGA Zone 56
- References:
- Base data supplied by NSW SS and Esri
 - Aerial imagery supplied by MetroMap
 - Cadastre (2015) supplied by PCC



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Sensitivity Analysis SS1
 Mannings Roughness +20%
 FFA 1% AEP Peak Flood
 Level Difference Plot

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Project Code: 59916074
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 1p_SensitivityPlus20_WLD_5k.mxd
 Rev: 07
 Date: 2023-06-12

Legend

- Study Area
- Watercourse
- Cadastre
- Building Footprint
- Tufflow Model Extent

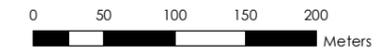
MN+20% less Design FFA 1% Water Level Difference (m)

- Was Wet Now Dry
- Was Dry Now Wet
- < -0.5
- 0.5 to -0.2
- 0.2 to -0.1
- 0.1 to -0.05
- 0.05 to -0.01
- 0.01 to 0.01
- 0.01 to 0.05
- 0.05 to 0.1
- 0.1 to 0.2
- 0.2 to 0.5
- > 0.5

Figure M3.24

Notes:
 1. Coordinate System: GDA 1994 MGA Zone 56

References:
 1. Base data supplied by NSW SS and Esri
 2. Aerial imagery supplied by MetroMap
 3. Cadastre (2015) supplied by PCC



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Sensitivity Analysis SS1
Mannings Roughness +20%
FFA 1% AEP Peak Flood
Level Difference Plot

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Drawn By: AS
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1p_SensitivityPlus20_WLD_5k.mxd
Rev: 07
Date: 2023-06-12

Study Area

- Watercourse
- Cadastre
- Building Footprint
- Tuflow Model Extent

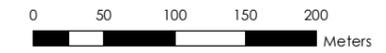
MN+20% less Design FFA 1% Water Level Difference (m)

- Was Wet Now Dry
- Was Dry Now Wet
- < -0.5
- 0.5 to -0.2
- 0.2 to -0.1
- 0.1 to -0.05
- 0.05 to -0.01
- 0.01 to 0.01
- 0.01 to 0.05
- 0.05 to 0.1
- 0.1 to 0.2
- 0.2 to 0.5
- > 0.5

Figure M3.25

Notes:
1. Coordinate System: GDA 1994 MGA Zone 56

References:
1. Base data supplied by NSW SS and Esri
2. Aerial imagery supplied by MetroMap
3. Cadastre (2015) supplied by PCC



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Sensitivity Analysis SS1
 Mannings Roughness +20%
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 Level Difference Plot

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 Rev: 07
 Date: 2023-06-12

Study Area

- Watercourse
- Cadastre
- Building Footprint
- Tuflow Model Extent

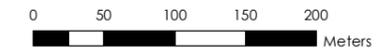
MN+20% less Design FFA 1% Water Level Difference (m)

- Was Wet Now Dry
- Was Dry Now Wet
- < -0.5
- 0.5 to -0.2
- 0.2 to -0.1
- 0.1 to -0.05
- 0.05 to -0.01
- 0.01 to 0.01
- 0.01 to 0.05
- 0.05 to 0.1
- 0.1 to 0.2
- 0.2 to 0.5
- > 0.5

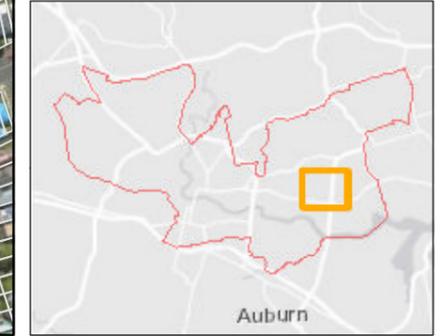
Figure M3.26

Notes:
 1. Coordinate System: GDA 1994 MGA Zone 56

References:
 1. Base data supplied by NSW SS and Esri
 2. Aerial imagery supplied by MetroMap
 3. Cadastre (2015) supplied by PCC



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Sensitivity Analysis SS1
 Mannings Roughness +20%
 FFA 1% AEP Peak Flood
 Level Difference Plot

Parramatta River Flood Study

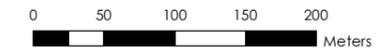
Project Code: 59916074
 Drawn By: AS
 Map: 59916074-GS-055-
 1p_SensitivityPlus20_WLD_5k.mxd
 Rev: 07
 Date: 2023-06-12

- Study Area
 - Watercourse
 - Cadastre
 - Building Footprint
 - Tufflow Model Extent
- MN+20% less Design FFA 1% Water Level Difference (m)**
- Was Wet Now Dry
 - Was Dry Now Wet
 - < -0.5
 - 0.5 to -0.2
 - 0.2 to -0.1
 - 0.1 to -0.05
 - 0.05 to -0.01
 - 0.01 to 0.01
 - 0.01 to 0.05
 - 0.05 to 0.1
 - 0.1 to 0.2
 - 0.2 to 0.5
 - > 0.5

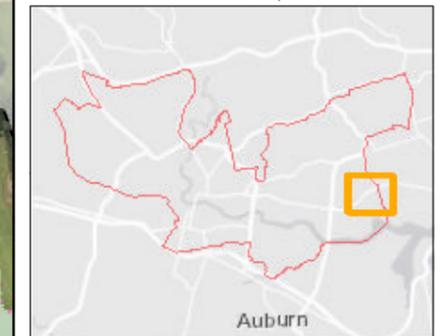
Figure M3.27

Notes:
 1. Coordinate System: GDA 1994 MGA Zone 56

References:
 1. Base data supplied by NSW SS and Esri
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Sensitivity Analysis SS1
 Mannings Roughness +20%
 FFA 1% AEP Peak Flood
 Level Difference Plot

Parramatta River Flood Study

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 Date: 2023-06-12

Study Area

Watercourse

Cadastre

Building Footprint

Tuflow Model Extent

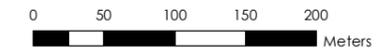
MN+20% less Design FFA 1% Water Level Difference (m)

- Was Wet Now Dry
- Was Dry Now Wet
- -0.5
- -0.5 to -0.2
- -0.2 to -0.1
- -0.1 to -0.05
- -0.05 to -0.01
- -0.01 to 0.01
- 0.01 to 0.05
- 0.05 to 0.1
- 0.1 to 0.2
- 0.2 to 0.5
- > 0.5

Figure M3.28

Notes:
 1. Coordinate System: GDA 1994 MGA Zone 56

References:
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Sensitivity Analysis SS1
 Mannings Roughness +20%
 FFA 1% AEP Peak Flood
 Level Difference Plot

Parramatta River Flood Study

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 1p_SensitivityPlus20_WLD_5k.mxd
 Rev: 07
 Date: 2023-06-12

Legend

- Study Area
- Watercourse
- Cadastre
- Building Footprint
- Tuflow Model Extent

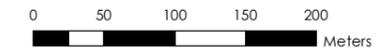
MN+20% less Design FFA 1% Water Level Difference (m)

- Was Wet Now Dry
- Was Dry Now Wet
- < -0.5
- 0.5 to -0.2
- 0.2 to -0.1
- 0.1 to -0.05
- 0.05 to -0.01
- 0.01 to 0.01
- 0.01 to 0.05
- 0.05 to 0.1
- 0.1 to 0.2
- 0.2 to 0.5
- > 0.5

Figure M3.29

Notes:
1. Coordinate System: GDA 1994 MGA Zone 56

References:
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Sensitivity Analysis SS1
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 Rev: 07
 Date: 2023-06-12

Study Area

Watercourse

Cadastre

Building Footprint

Tulflow Model Extent

MN+20% less Design FFA 1% Water Level Difference (m)

Was Wet Now Dry

Was Dry Now Wet

< -0.5

-0.5 to -0.2

-0.2 to -0.1

-0.1 to -0.05

-0.05 to -0.01

-0.01 to 0.01

0.01 to 0.05

0.05 to 0.1

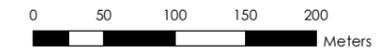
0.1 to 0.2

0.2 to 0.5

> 0.5

Figure M3.30

- Notes:
- Coordinate System: GDA 1994 MGA Zone 56
- References:
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Sensitivity Analysis SS1
 Mannings Roughness +20%
 FFA 1% AEP Peak Flood
 Level Difference Plot

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 1p_SensitivityPlus20_WLD_5k.mxd
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Study Area

- Watercourse
- Cadastr
- Building Footprint
- Tuflow Model Extent

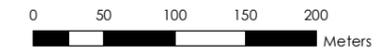
MN+20% less Design FFA 1% Water Level Difference (m)

- Was Wet Now Dry
- Was Dry Now Wet
- < -0.5
- 0.5 to -0.2
- 0.2 to -0.1
- 0.1 to -0.05
- 0.05 to -0.01
- 0.01 to 0.01
- 0.01 to 0.05
- 0.05 to 0.1
- 0.1 to 0.2
- 0.2 to 0.5
- > 0.5

Figure M3.31

Notes:
 1. Coordinate System: GDA 1994 MGA Zone 56

References:
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Sensitivity Analysis SS1
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 Level Difference Plot

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Project Code: 59916074
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Legend

- Study Area
- Watercourse
- Cadastre
- Building Footprint
- Tufflow Model Extent

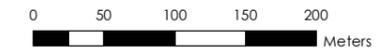
MN+20% less Design FFA 1% Water Level Difference (m)

- Was Wet Now Dry
- Was Dry Now Wet
- < -0.5
- 0.5 to -0.2
- 0.2 to -0.1
- 0.1 to -0.05
- 0.05 to -0.01
- 0.01 to 0.01
- 0.01 to 0.05
- 0.05 to 0.1
- 0.1 to 0.2
- 0.2 to 0.5
- > 0.5

Figure M3.32

Notes:
 1. Coordinate System: GDA 1994 MGA Zone 56

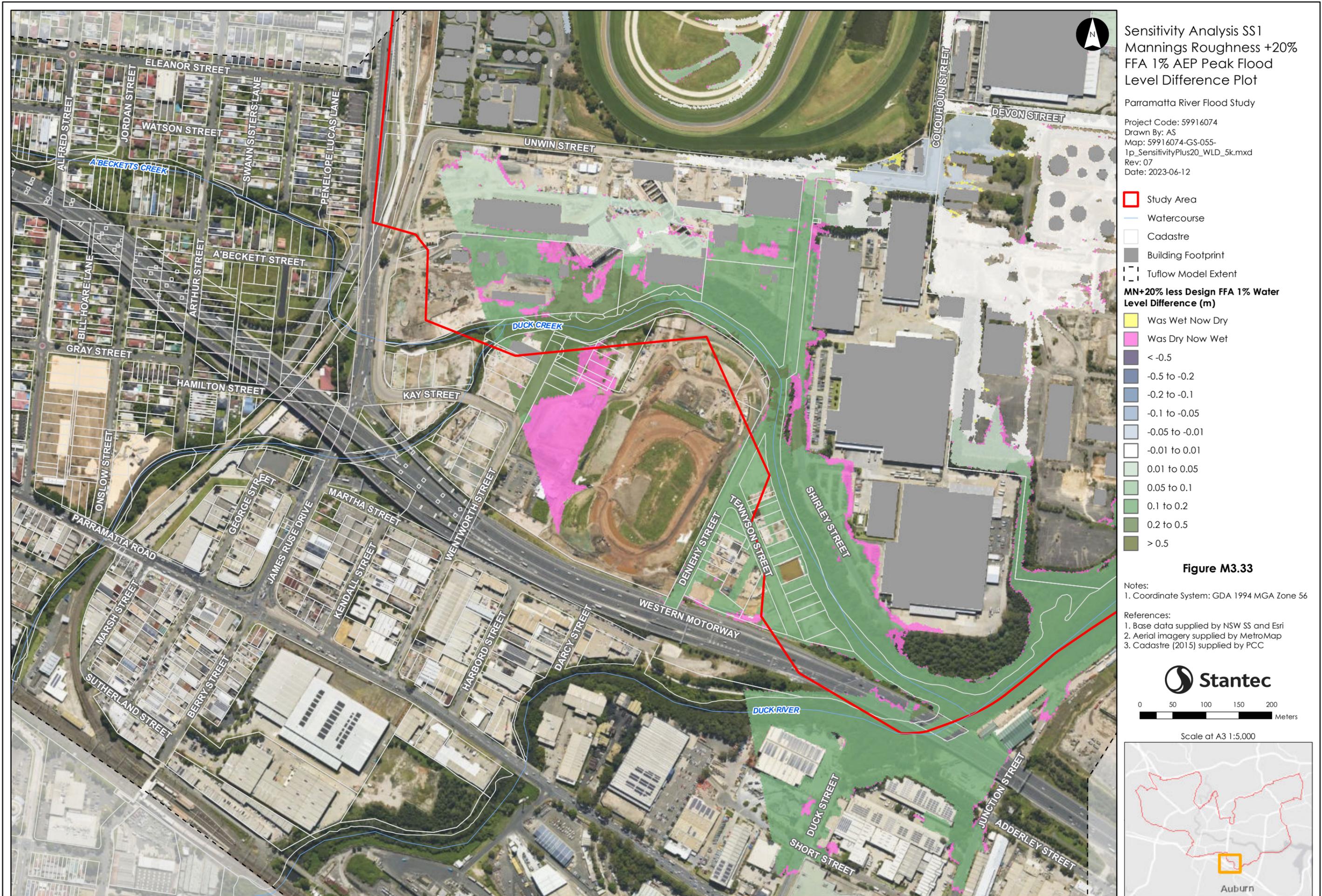
References:
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Sensitivity Analysis SS1
 Mannings Roughness +20%
 FFA 1% AEP Peak Flood
 Level Difference Plot

Parramatta River Flood Study

Project Code: 59916074
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Legend

- Study Area
- Watercourse
- Cadastre
- Building Footprint
- Tufflow Model Extent

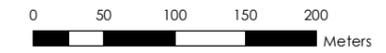
MN+20% less Design FFA 1% Water Level Difference (m)

- Was Wet Now Dry
- Was Dry Now Wet
- < -0.5
- 0.5 to -0.2
- 0.2 to -0.1
- 0.1 to -0.05
- 0.05 to -0.01
- 0.01 to 0.01
- 0.01 to 0.05
- 0.05 to 0.1
- 0.1 to 0.2
- 0.2 to 0.5
- > 0.5

Figure M3.33

Notes:
 1. Coordinate System: GDA 1994 MGA Zone 56

References:
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