

Figure D.6.3

Model sensitivity
Double Design Blockage
West of North Richmond

Legend

Study area

Afflux (m)

- < -0.50
 - -0.50 to -0.20
- -0.20 to -0.10
- -0.10 to -0.05
- -0.05 to -0.02
- -0.02 to -0.01
- -0.01 to 0.01
- 0.01 to 0.02
- ___ 0.01 to 0.02
- 0.02 to 0.05
- 0.05 to 0.10
- 0.10 to 0.20
- 0.20 to 0.50
- > 0.50
- Was wet now dry
- Was dry now wet



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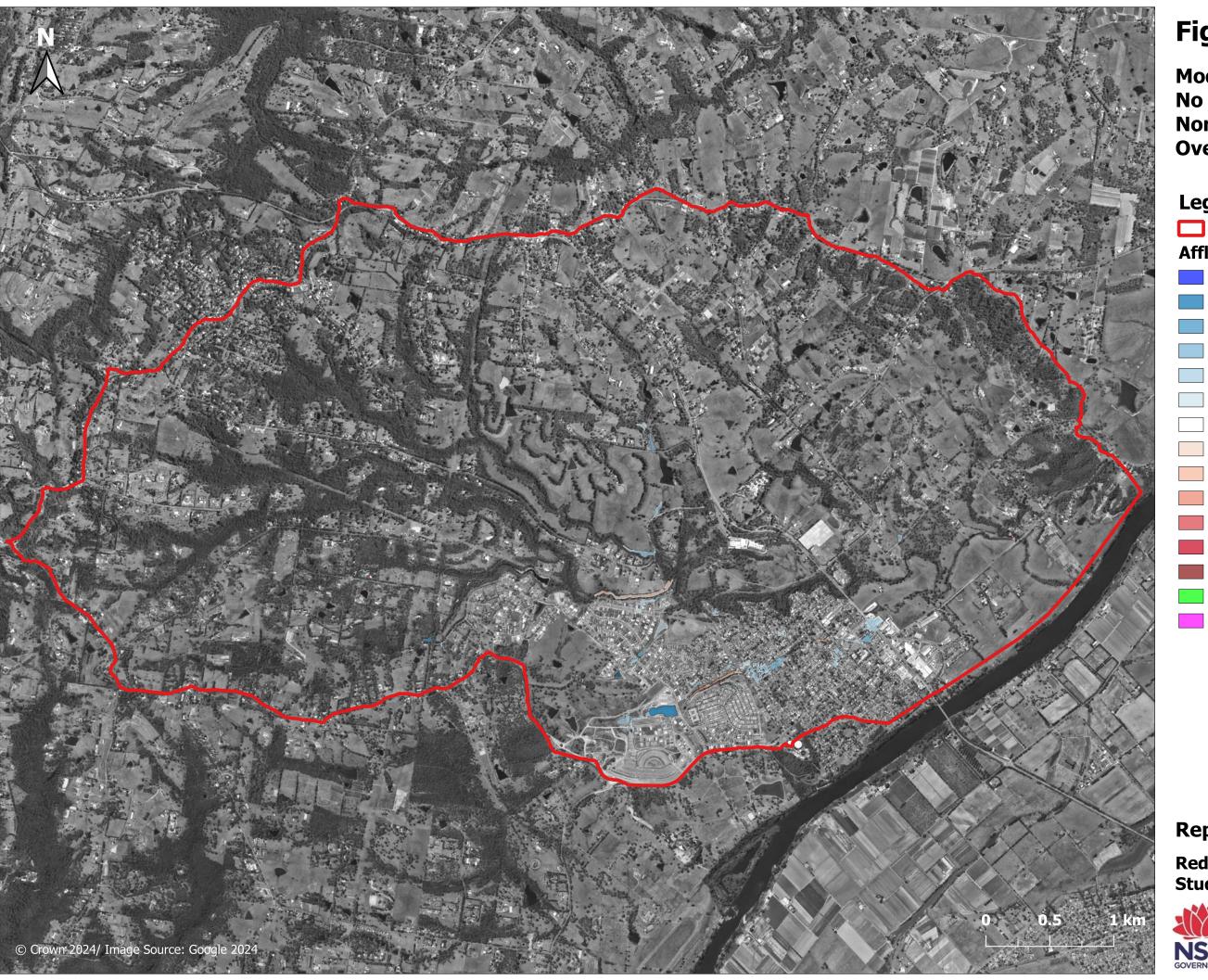


Figure D.7.1

Model sensitivity No Blockage **North Richmond Overview**

Legend

Study area

Afflux (m)

- < -0.50
- -0.50 to -0.20
- -0.20 to -0.10
- -0.10 to -0.05
- -0.05 to -0.02
- -0.02 to -0.01
- -0.01 to 0.01
- 0.01 to 0.02
- 0.02 to 0.05
- 0.05 to 0.10
- 0.10 to 0.20
- 0.20 to 0.50
- > 0.50
- Was wet now dry
- Was dry now wet

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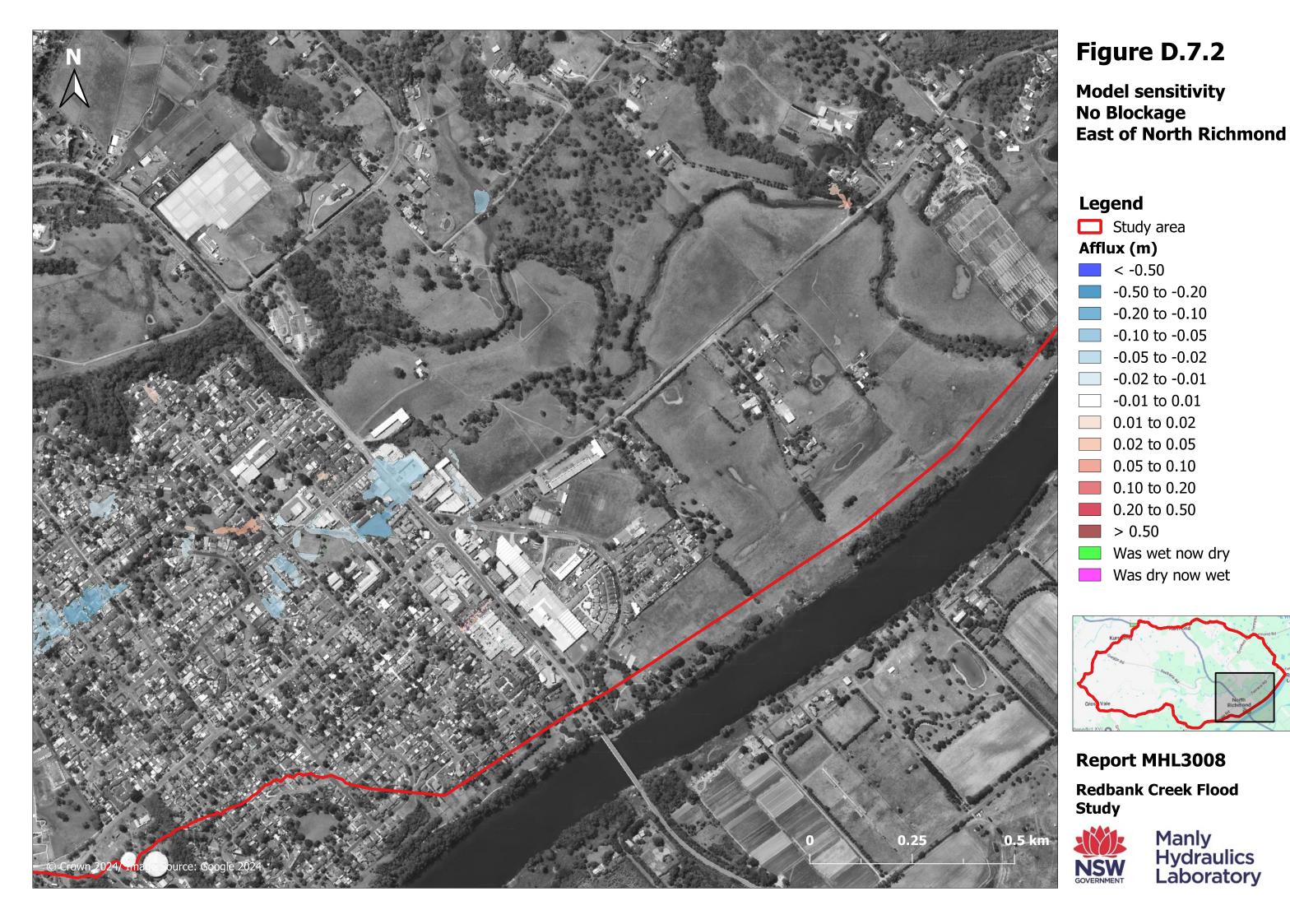




Figure D.7.3

Model sensitivity
No Blockage
West of North Richmond

Legend

Study area

Afflux (m)

- < -0.50
- -0.50 to -0.20
- -0.20 to -0.10
- -0.10 to -0.05
- -0.05 to -0.02
- -0.02 to -0.01
- -0.01 to 0.01
- 0.01 to 0.02
- 0.02 to 0.05
- 0.05 to 0.10
- 0.05 to 0.10
- 0.10 to 0.20
- 0.20 to 0.50
- > 0.50
- Was wet now dry
- Was dry now wet



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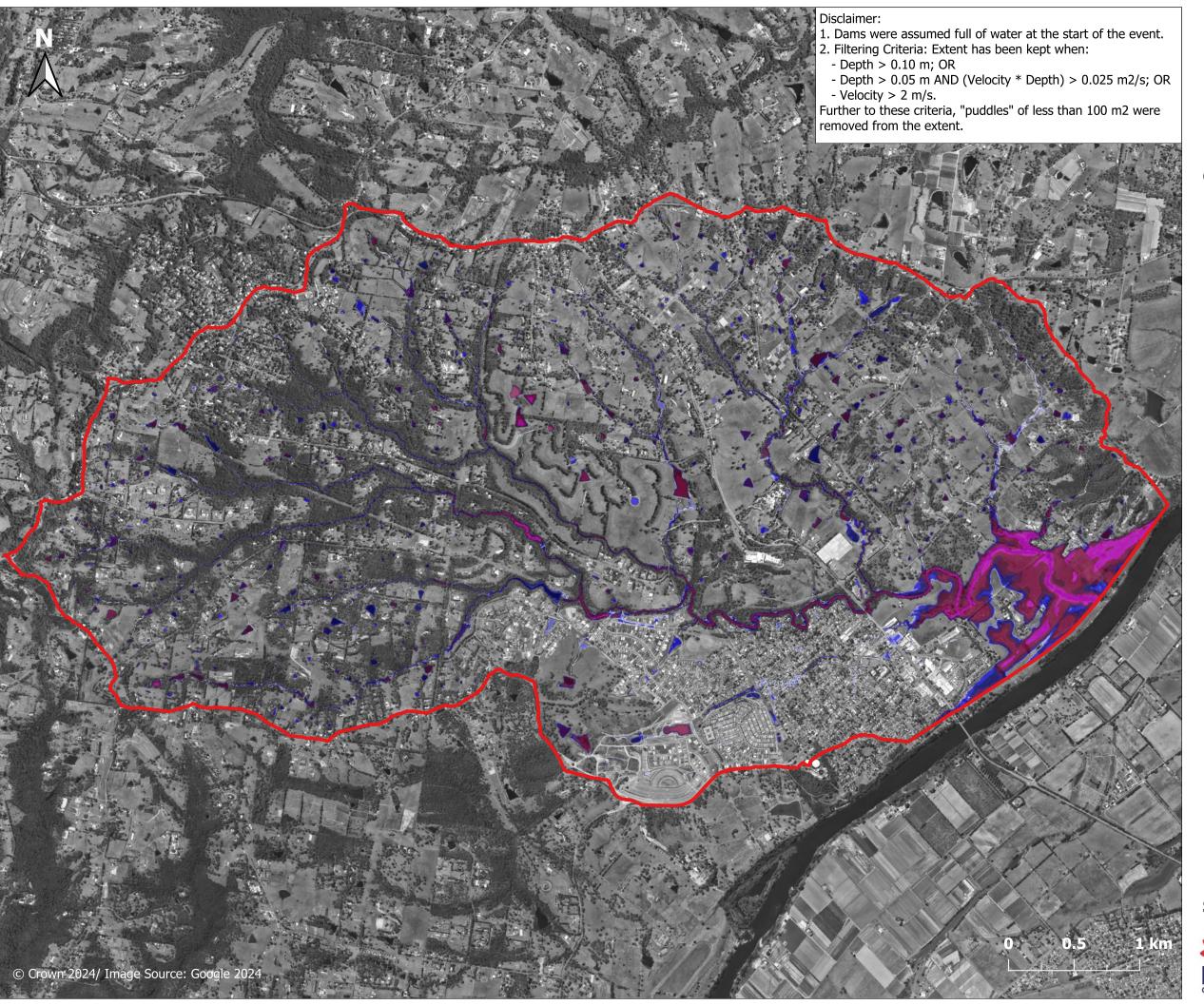


Figure D.8.1

Model validation March 2022 Event No Blockage North Richmond Overview

Legend

- Study area Depth (m)
- <= 0.05
- 0.05-0.15
- 0.15-0.30
- 0.30-0.50
- 0.50-1.00
- 1.00-1.50
- 1.50-2.00
- 2.00-3.00
- 3.00-5.00
- >5.00

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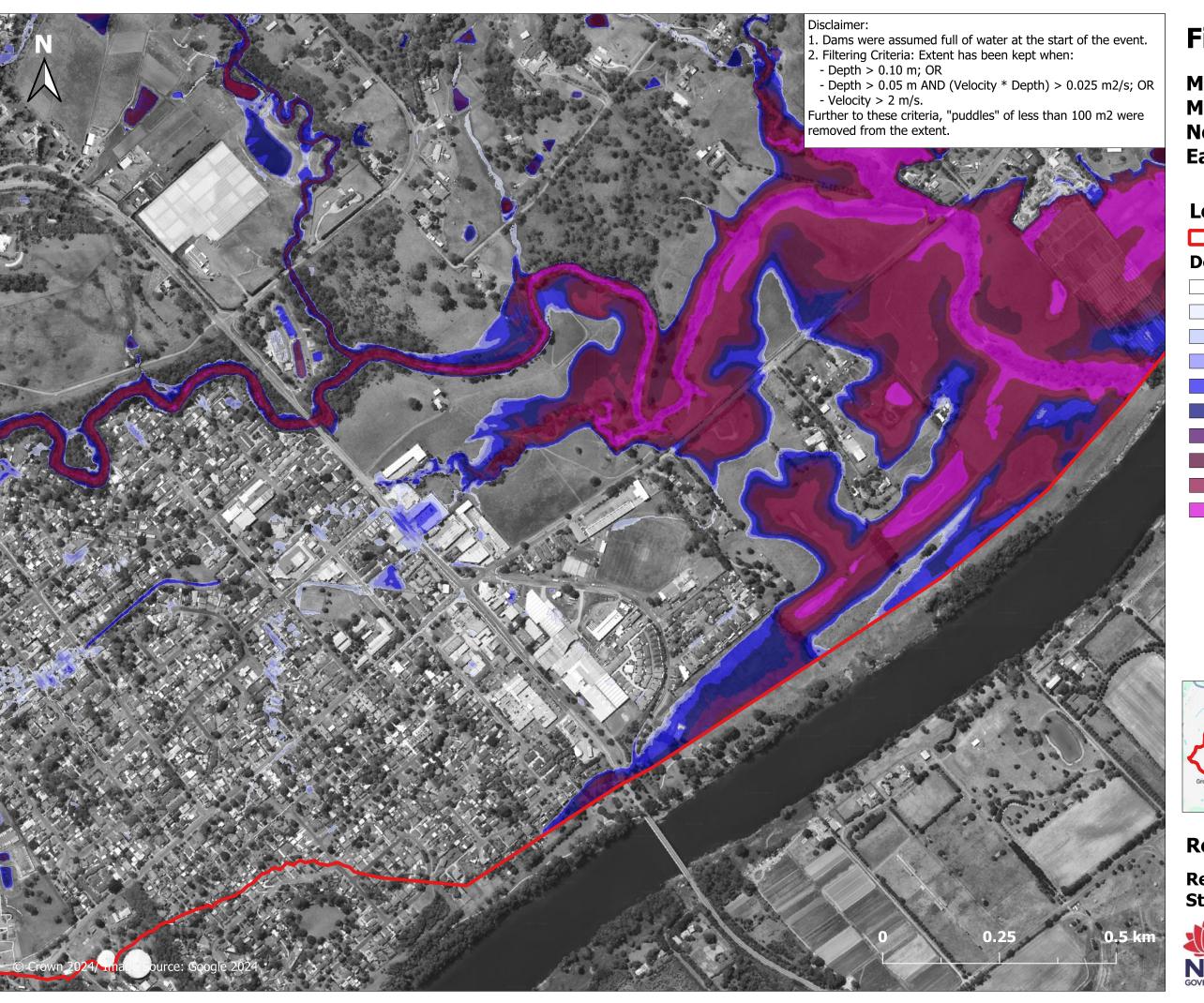


Figure D.8.2

Model validation
March 2022 Event
No Blockage
East of North Richmond

Legend

Study area

Depth (m)

<= 0.05

0.05-0.15

0.15-0.30

0.30-0.50

0.50-1.00

1.00-1.50

1.50-2.00

2.00-3.00

3.00-5.00

>5.00



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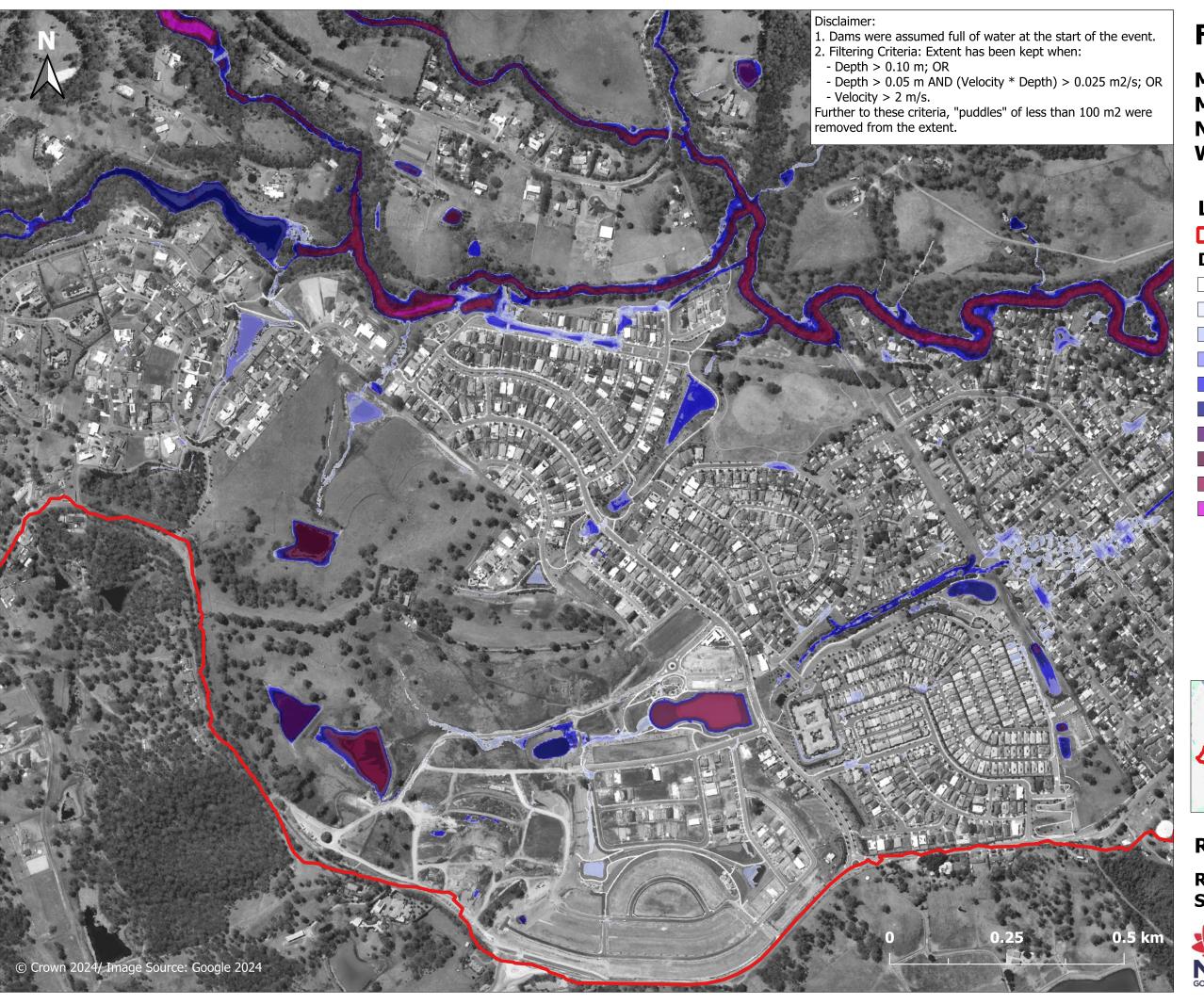


Figure D.8.3

Model validation
March 2022 Event
No Blockage
West of North Richmond

Legend

Study area

Depth (m)

<= 0.05

0.05-0.15

0.15-0.30

0.30-0.50

0.50-1.00

1.00-1.50

1.50-2.00

2.00-3.00

3.00-5.00

>5.00



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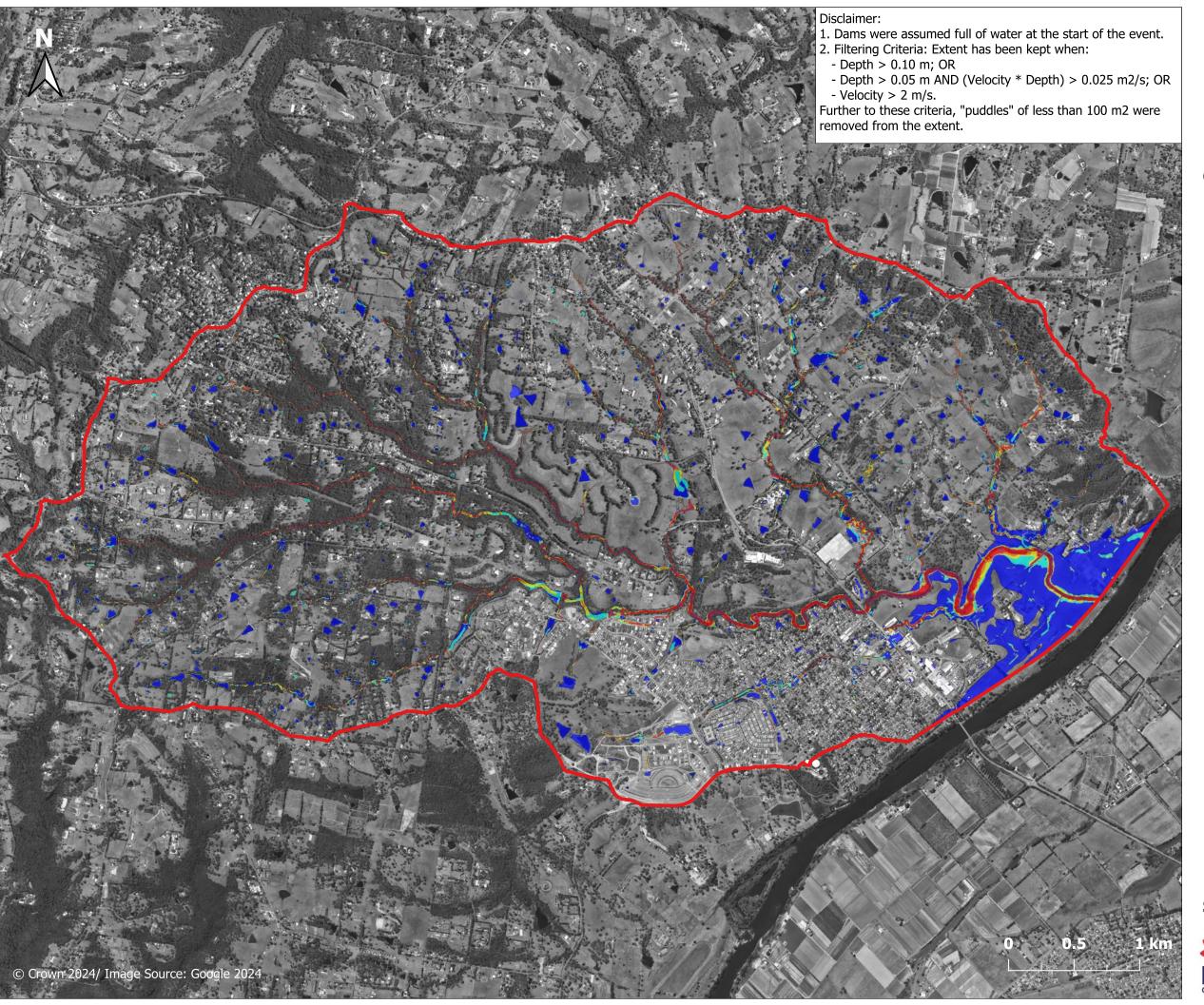


Figure D.9.1

Model validation
March 2022 Event
No Blockage
North Richmond
Overview

Legend

Study area

Flow velocity (m/s)

- 0.00-0.25
- 0.25-0.50
- 0.50-0.75
- 0.75-1.00
- 0.75 1.00
- 1.00-1.50
- >1.50

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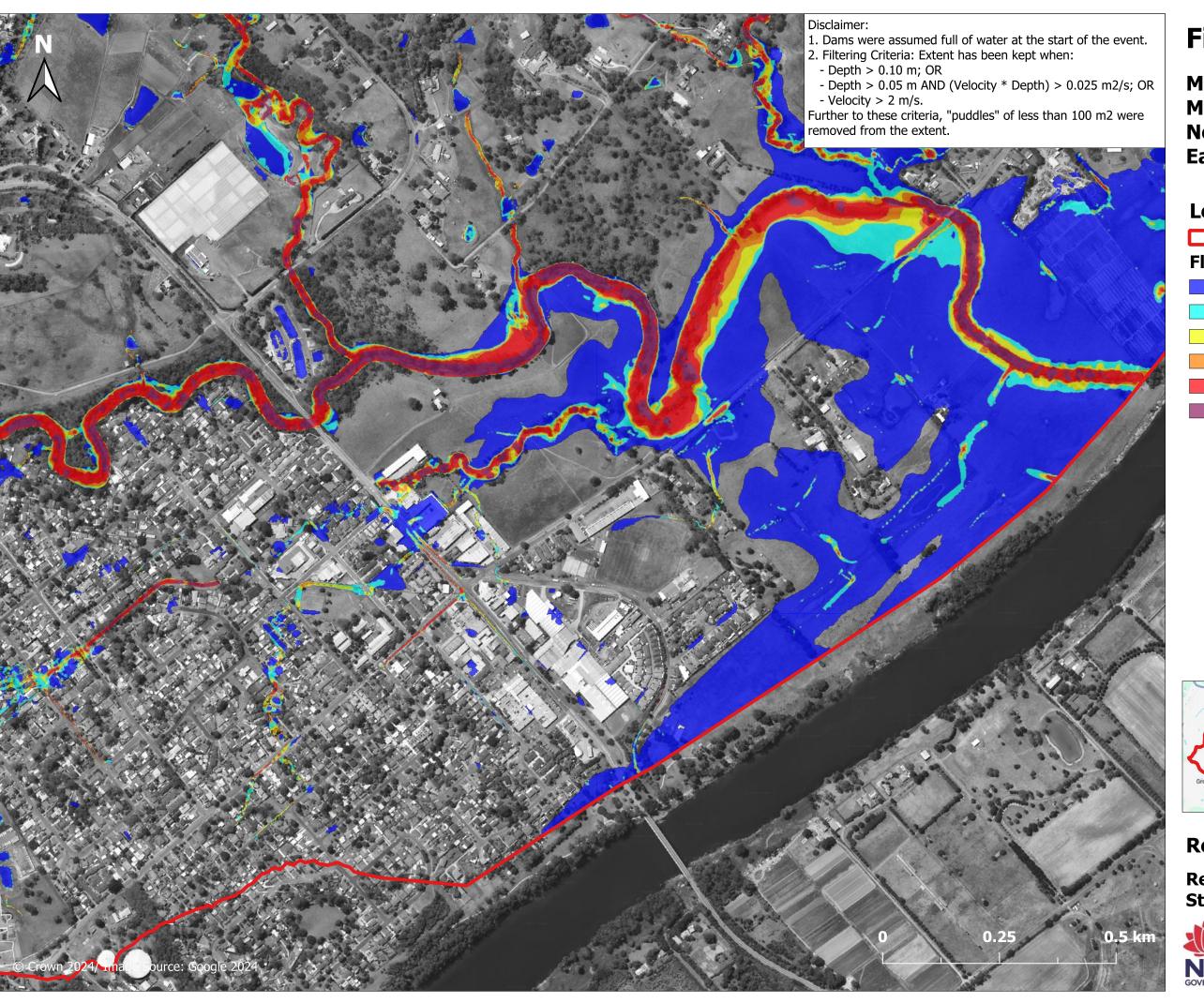


Figure D.9.2

Model validation
March 2022 Event
No Blockage
East of North Richmond

Legend

Study area

Flow velocity (m/s)

0.00-0.25

0.25-0.50

0.50-0.75

0.75-1.00

1.00-1.50

>1.50



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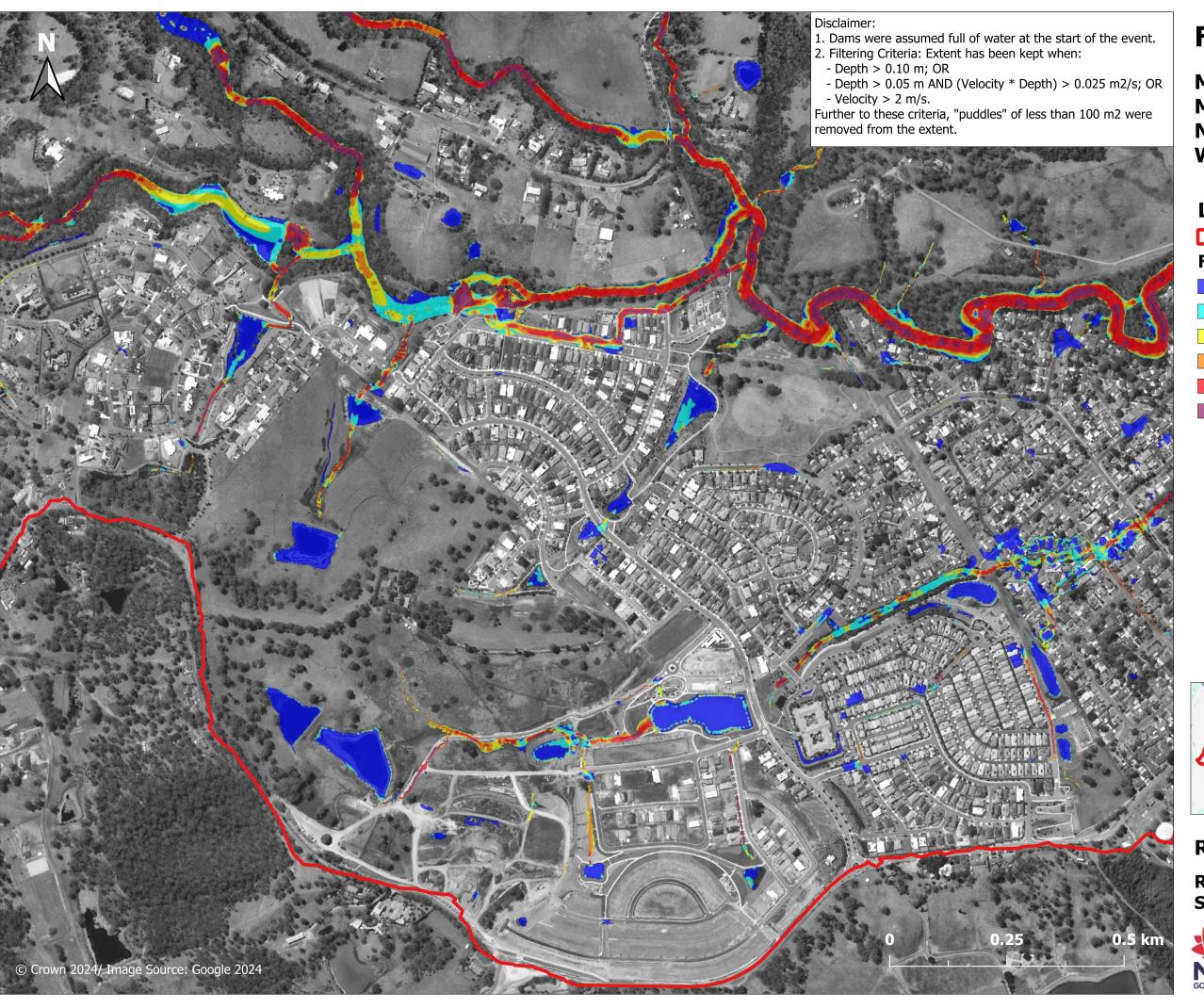


Figure D.9.3

Model validation
March 2022 Event
No Blockage
West of North Richmond

Legend

Study area

Flow velocity (m/s)

0.00-0.25

0.25-0.50

0.50-0.75

0.75-1.00

1.00-1.50

>1.50



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Appendix E Flood maps

Redbank Creek Flood Study

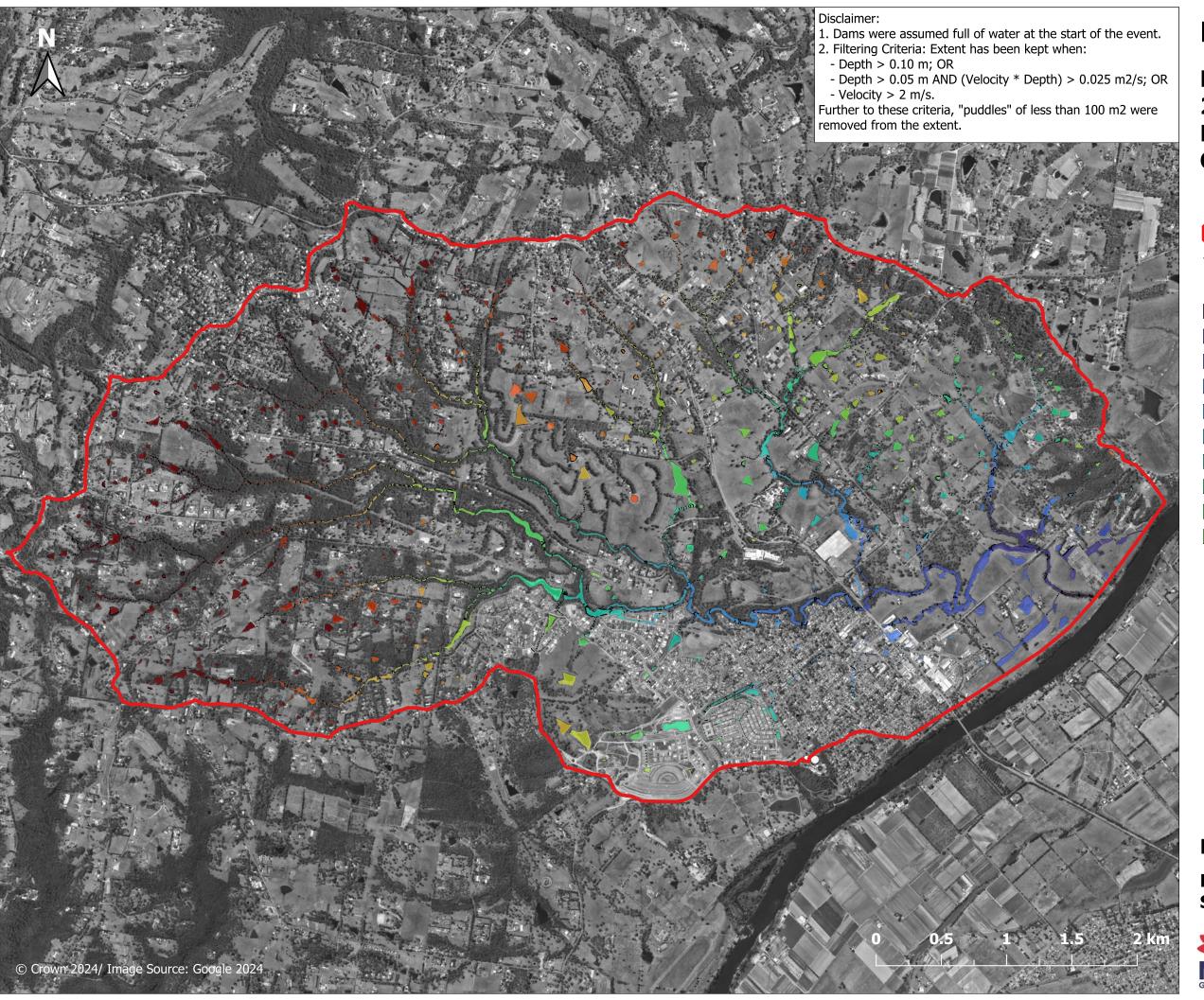


Figure E.1.1.1

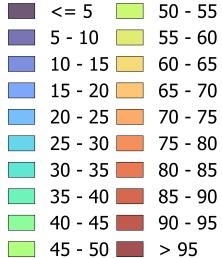
Peak flood level 20% AEP event North Richmond Overview

Legend

Study area

— 1 m contour

Peak water level (m AHD)



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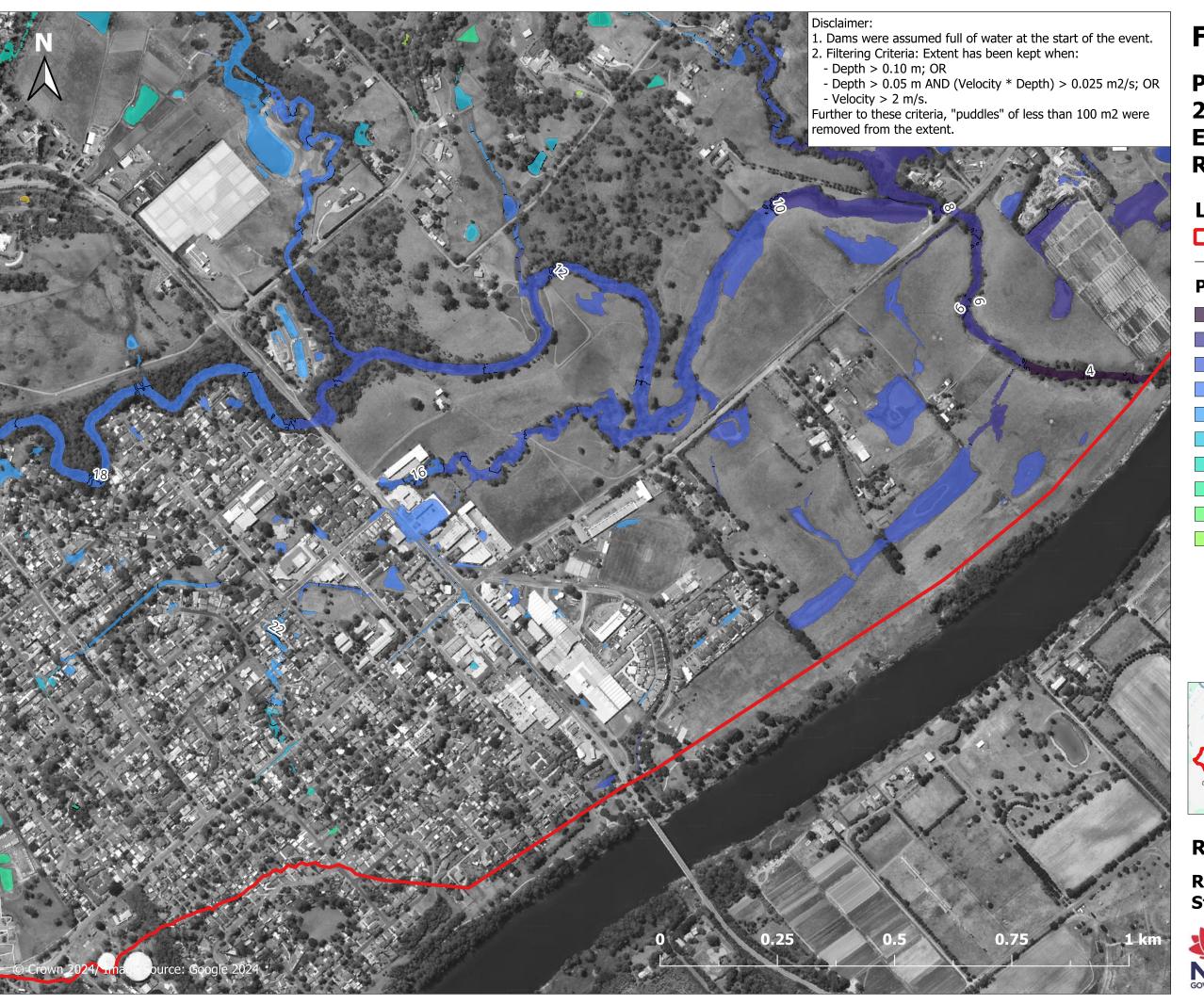


Figure E.1.1.2

Peak flood level 20% AEP event East of North Richmond

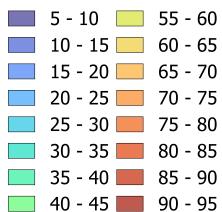
Legend

Study area

— 1 m contour

Peak water level (m AHD)

50 - 55



45 - 50 > 95



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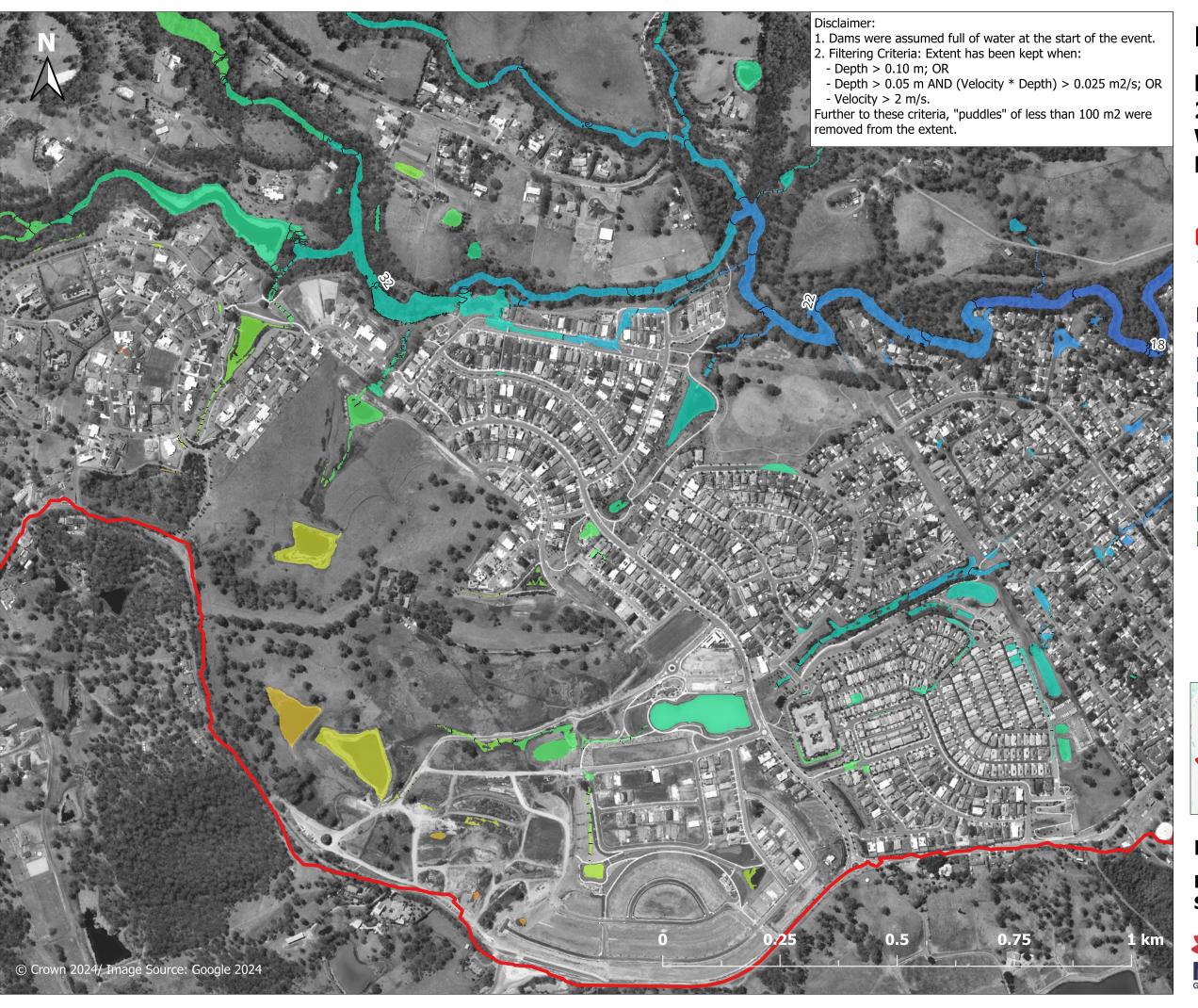


Figure E.1.1.3

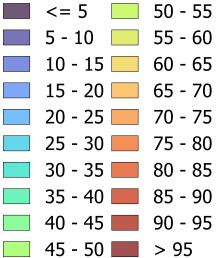
Peak flood level 20% AEP event West of North Richmond

Legend

Study area

— 1 m contour

Peak water level (m AHD)





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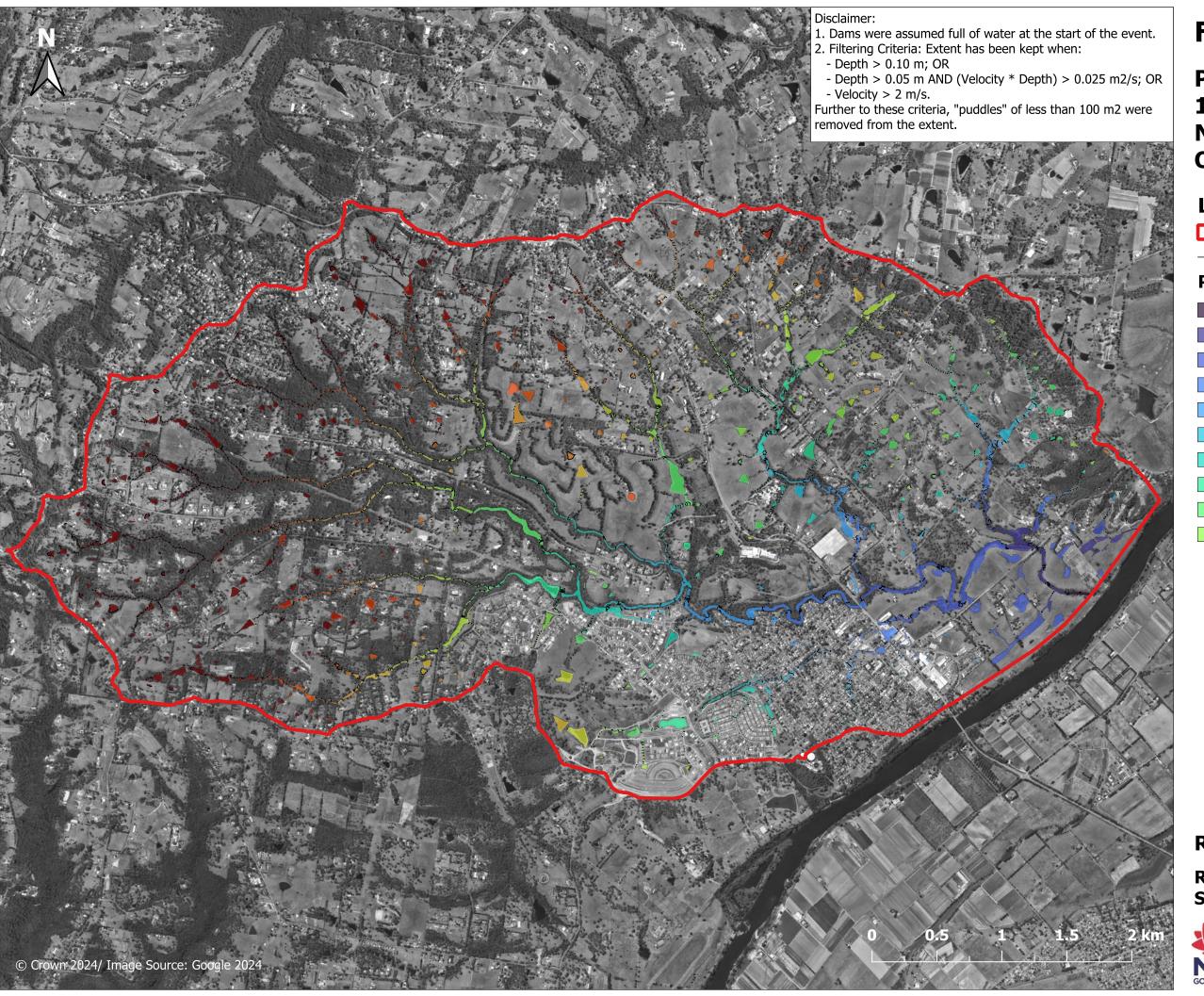


Figure E.1.2.1

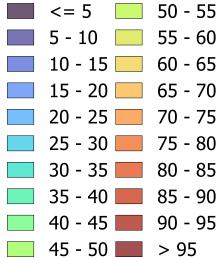
Peak flood level 10% AEP event North Richmond Overview

Legend

Study area

— 1 m contour

Peak water level (m AHD)



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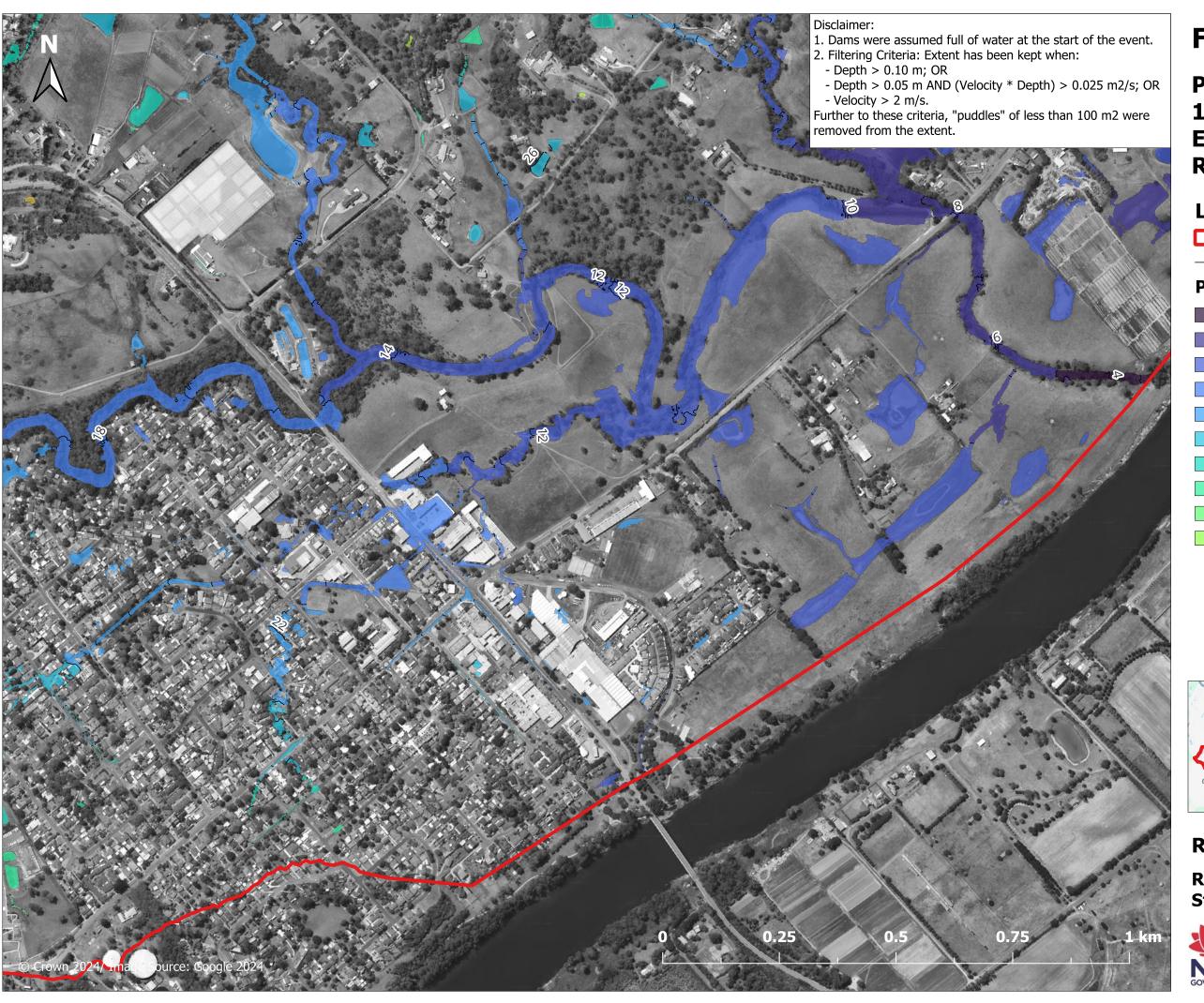


Figure E.1.2.2

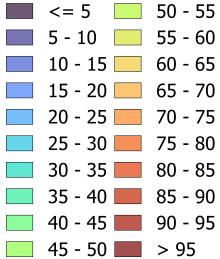
Peak flood level 10% AEP event East of North Richmond

Legend

Study area

— 1 m contour

Peak water level (m AHD)





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Disclaimer: 1. Dams were assumed full of water at the start of the event. 2. Filtering Criteria: Extent has been kept when: - Depth > 0.10 m; OR - Depth > 0.05 m AND (Velocity * Depth) > 0.025 m2/s; OR - Velocity > 2 m/s. Further to these criteria, "puddles" of less than 100 m2 were removed from the extent. © Crown 2024/ Image Source: Google 2024

Figure E.1.2.3

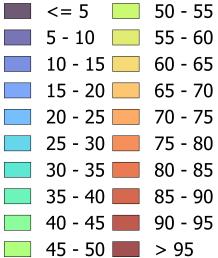
Peak flood level 10% AEP event West of North Richmond

Legend

Study area

— 1 m contour

Peak water level (m AHD)





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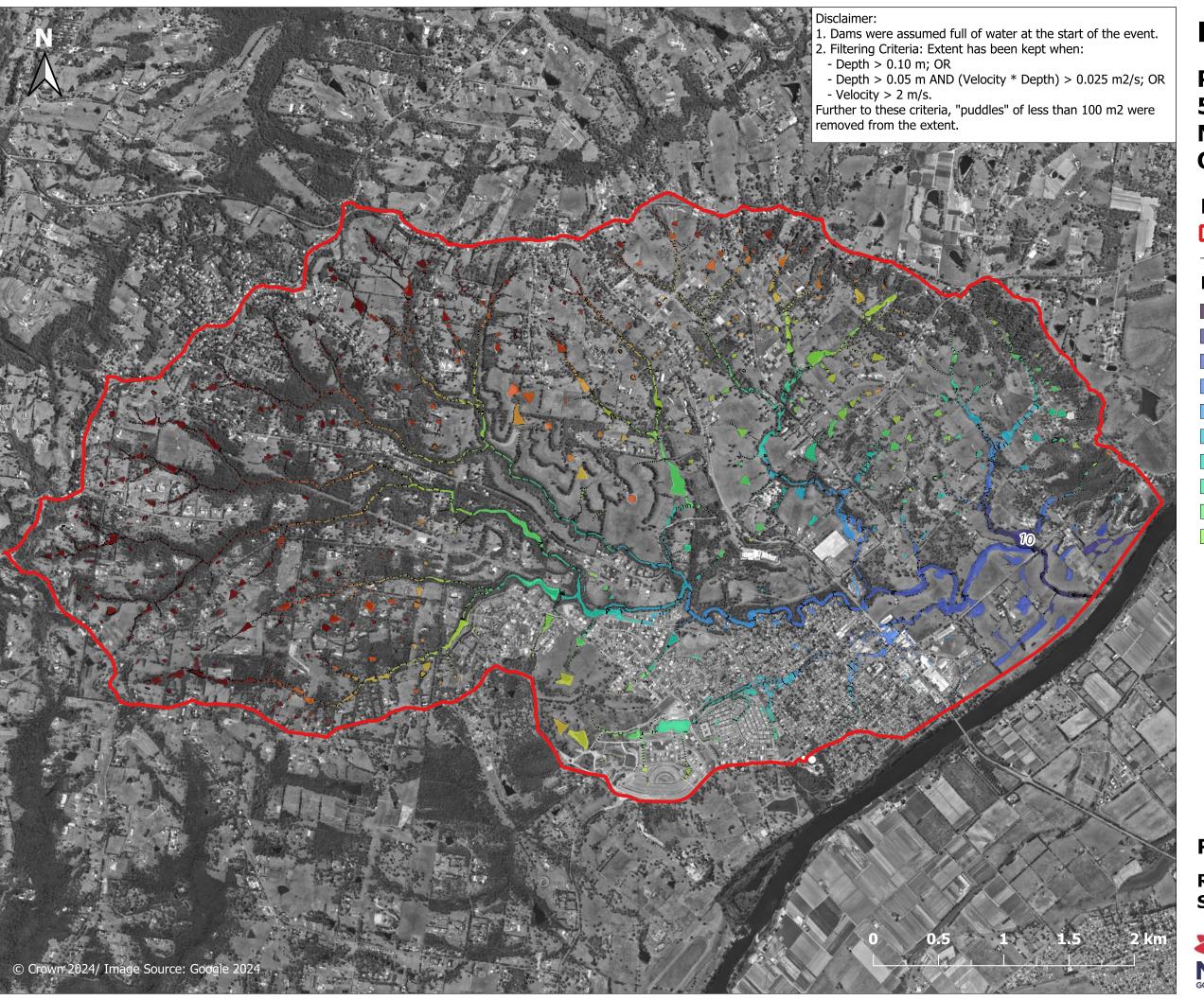


Figure E.1.3.1

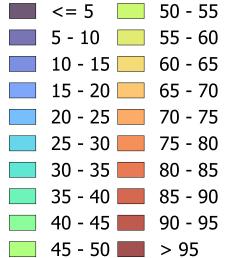
Peak flood level 5% AEP event North Richmond Overview

Legend

Study area

— 1 m contour

Peak water level (m AHD)



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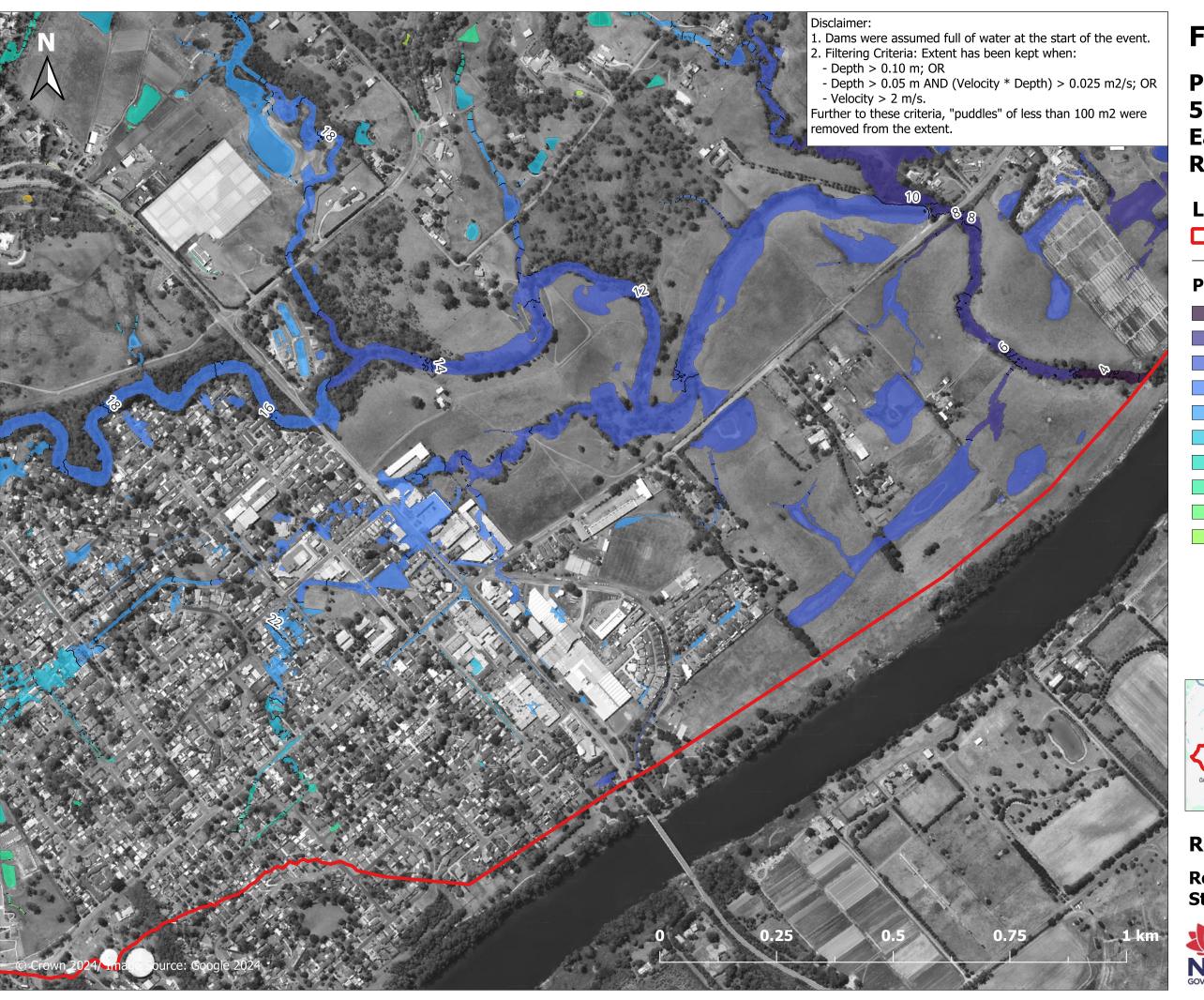


Figure E.1.3.2

Peak flood level 5% AEP event East of North Richmond

Legend

Study area

— 1 m contour

Peak water level (m AHD)



15 - 20 65 - 70

20 - 25 70 - 75 25 - 30 75 - 80

30 - 35 80 - 85 35 - 40 85 - 90

40 - 45 90 - 95

45 - 50 > 95



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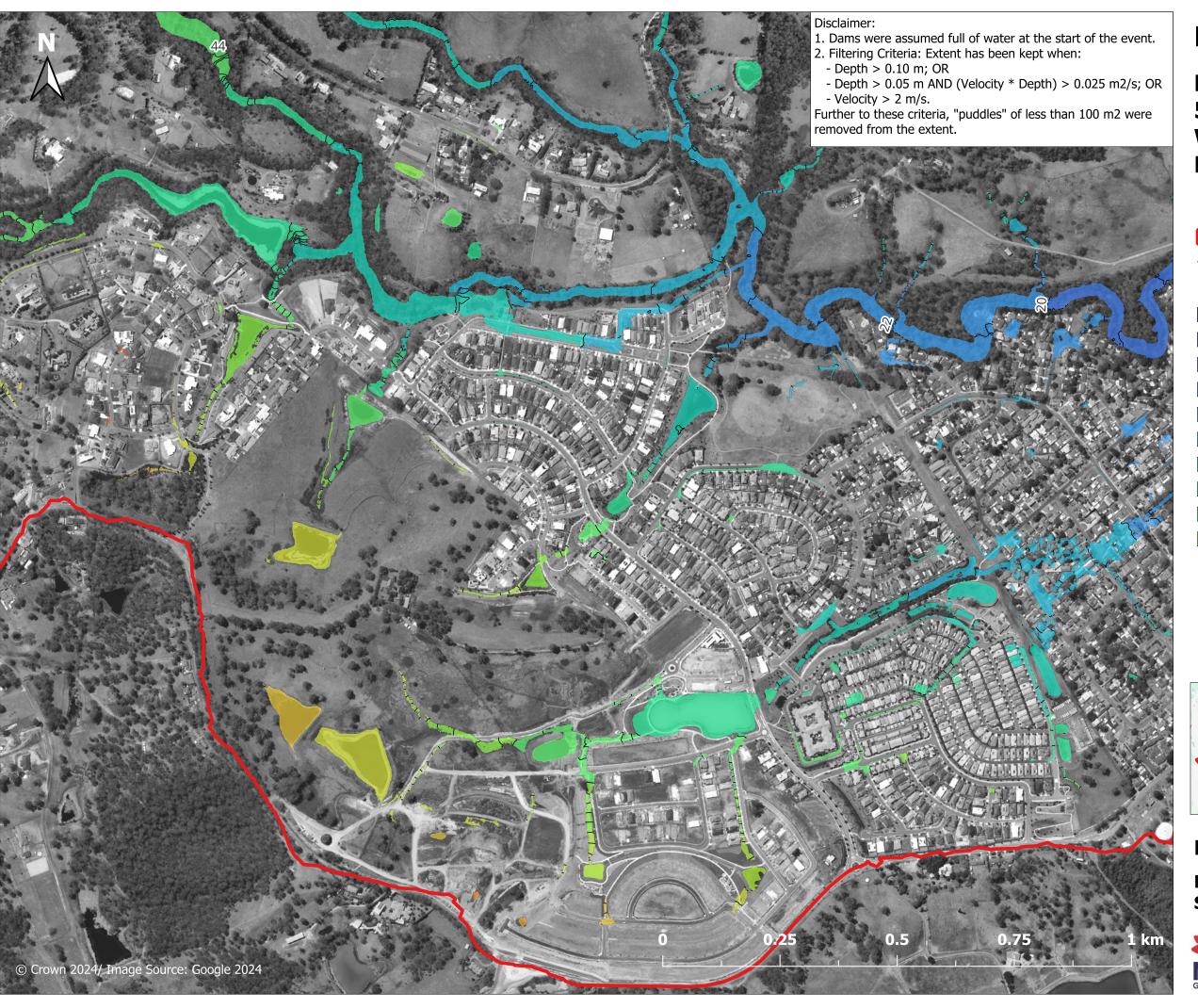


Figure E.1.3.3

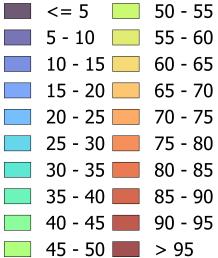
Peak flood level 5% AEP event West of North Richmond

Legend

Study area

— 1 m contour

Peak water level (m AHD)





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