N
W E
S

Figure L.0

Preliminary Flood Modification Measures

Legend

- Cadastre
- Existing Drainage Network
- Preliminary Options, approximate extent

1% AEP Flood Depths (m)

- 0 - 0.1
- 0.1 - 0.2
- 0.2 - 0.4
- 0.4 - 0.6
- 0.6 - 0.8
- 0.8 - 1.0
- 1.0 - 1.2
- 1.2 - 1.4
- > 1.4

0 500 1000

Scale : 1:20,000@A3
Date : 19 March 2021
Revision : A
Created by : JRF
Coordinate System : MGA 56

Rhelm

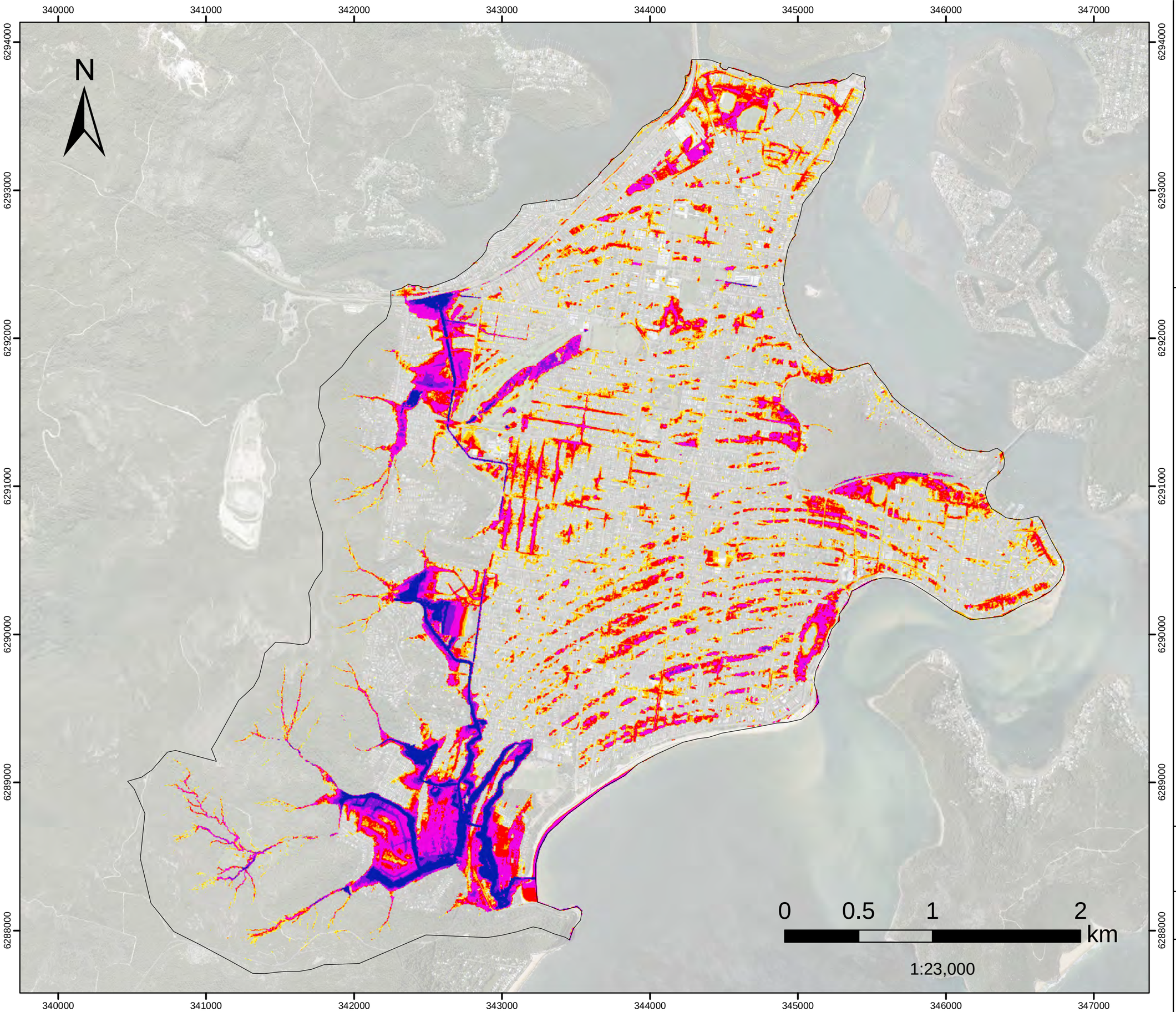

FIGURE L.1
PMF FM01
Woy Woy CBD
Flood Depth

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 2hrs

Model Domain

Flood Depth (m)

- < 0.15
- 0.16- 0.2
- 0.21 - 0.3
- 0.31 - 0.5
- 0.51 - 1
- 1.1 - 1.5
- >1.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

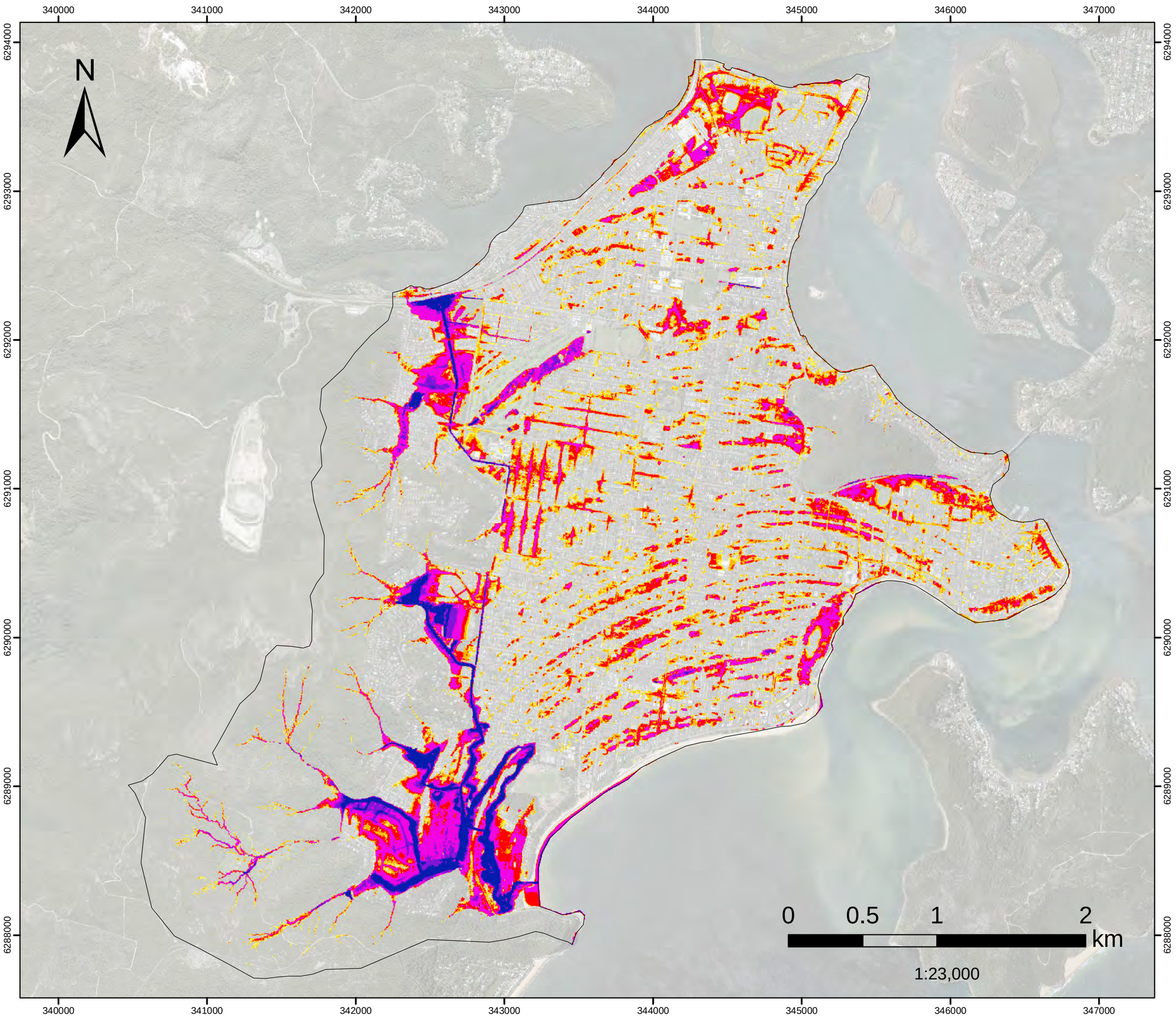

FIGURE L.2
PMF FM02
Dulkala Rd to Karingal Cl
Flood Depth

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 2hrs

Model Domain

Flood Depth (m)

- < 0.15
- 0.16- 0.2
- 0.21 - 0.3
- 0.31 - 0.5
- 0.51 - 1
- 1.1 - 1.5
- >1.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

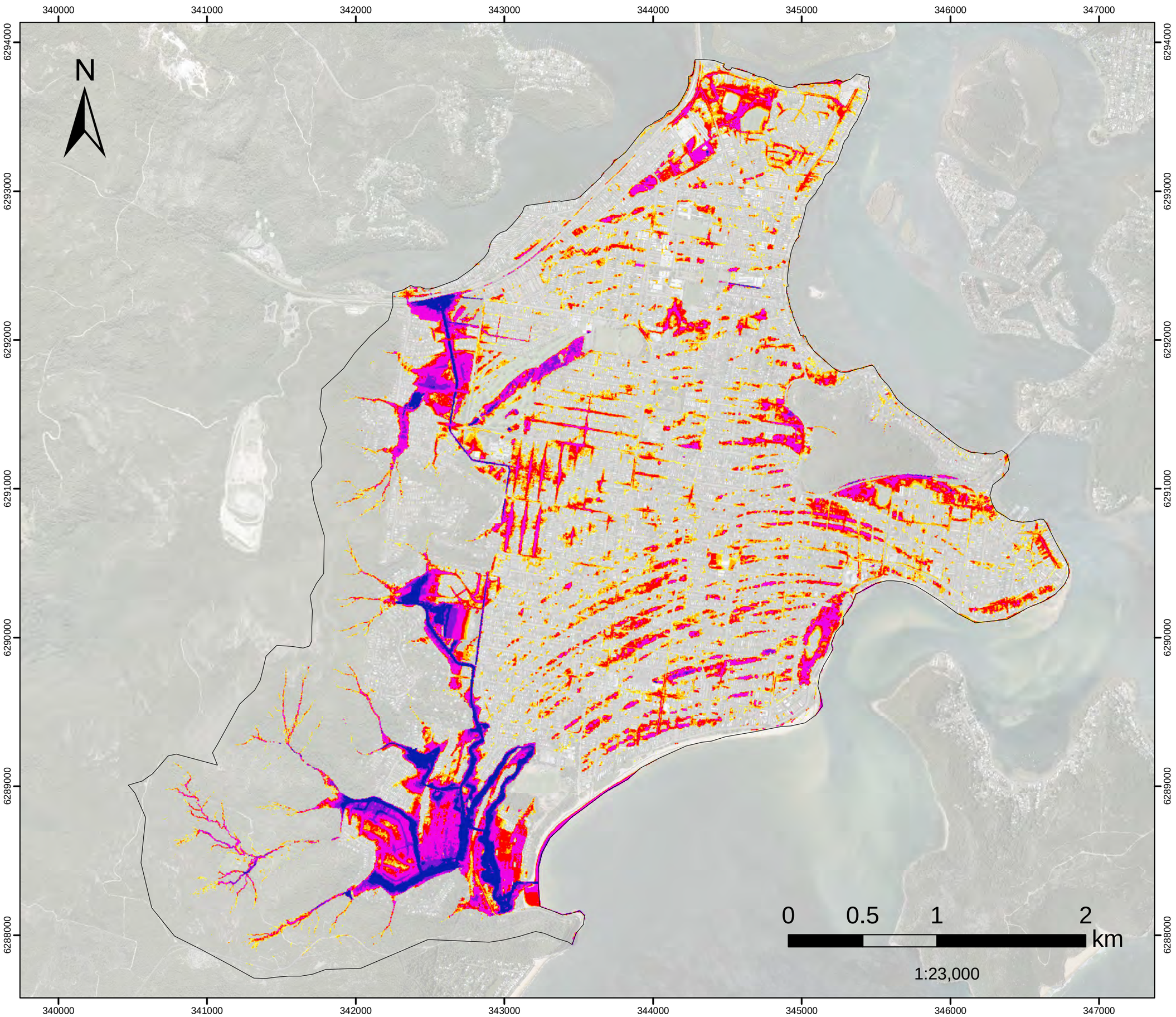

FIGURE L.3

PMF FM03

Infiltration Devices

Flood Depth

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 2hrs

Model Domain

Flood Depth (m)

- < 0.15
- 0.16- 0.2
- 0.21 - 0.3
- 0.31 - 0.5
- 0.51 - 1
- 1.1 - 1.5
- >1.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

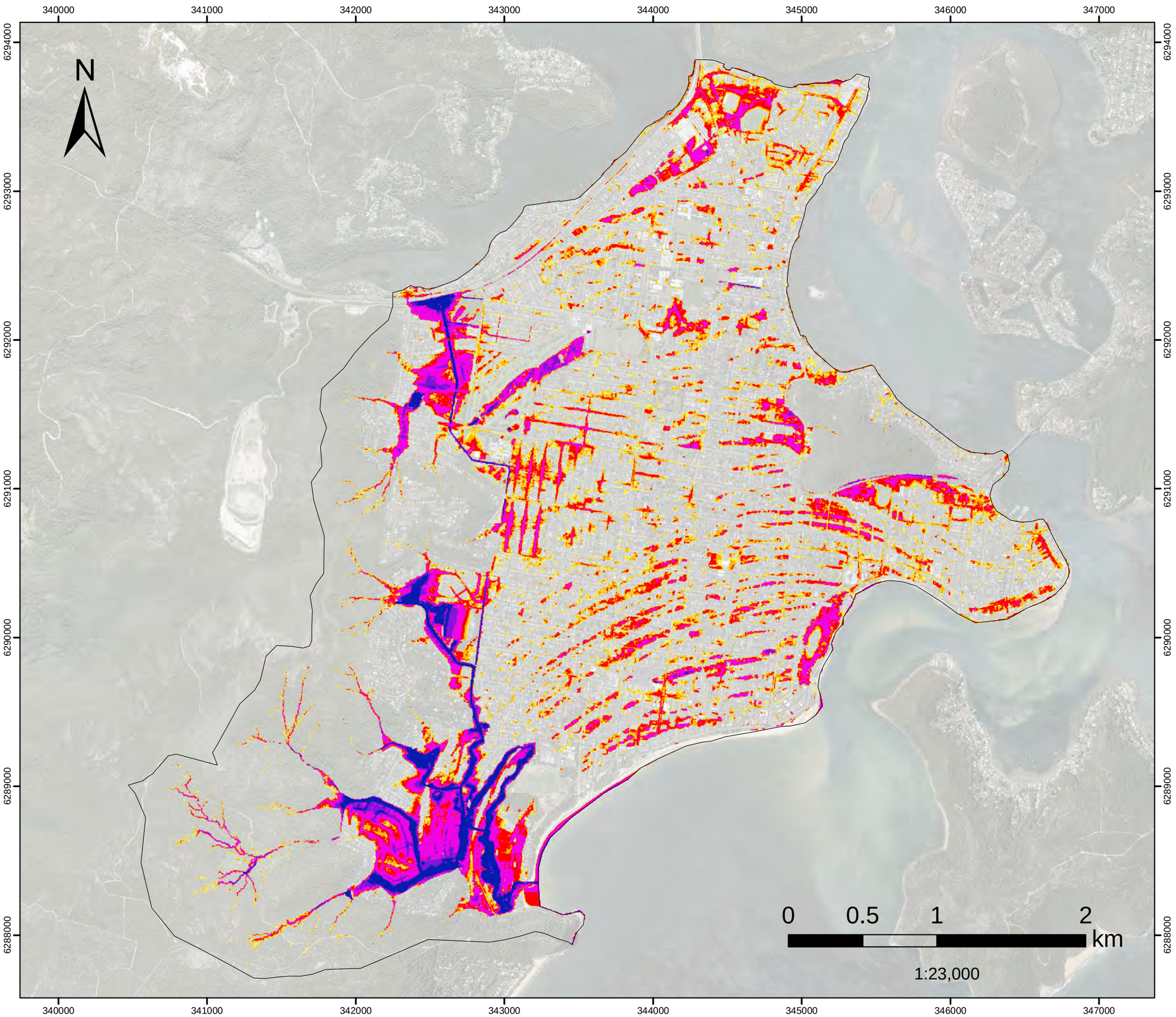

FIGURE L.4
PMF FM05
Greenhaven Dr
Flood Depth

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 2hrs

Model Domain

Flood Depth (m)

- < 0.15
- 0.16- 0.2
- 0.21 - 0.3
- 0.31 - 0.5
- 0.51 - 1
- 1.1 - 1.5
- >1.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

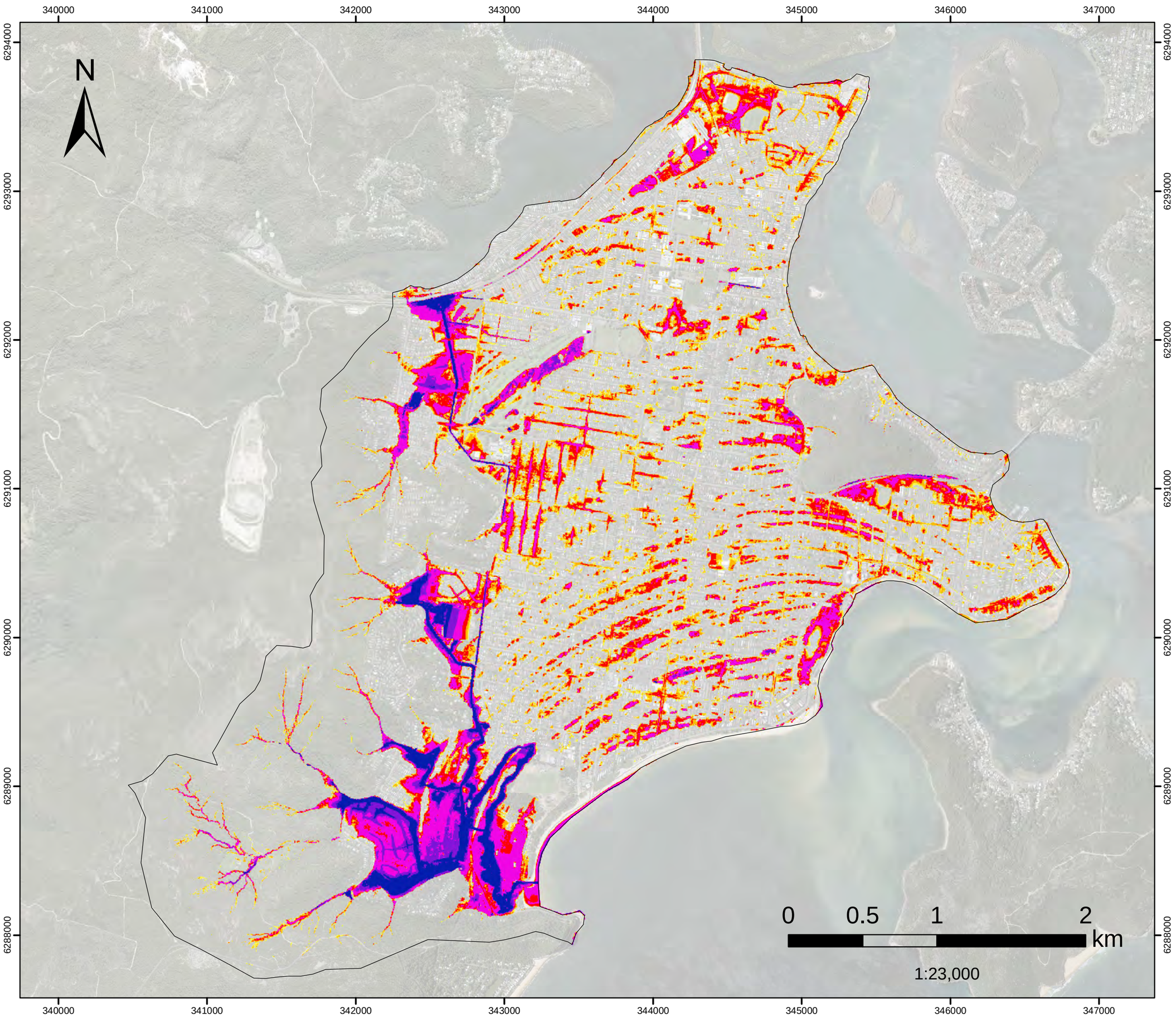

FIGURE L.5
PMF FM06A
Kahibah Ck System maintenance Work
Flood Depth

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)
No puddles less than 100m2.

Assessed for the critical duration 2hrs

Model Domain

Flood Depth (m)

- < 0.15
- 0.16- 0.2
- 0.21 - 0.3
- 0.31 - 0.5
- 0.51 - 1
- 1.1 - 1.5
- >1.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

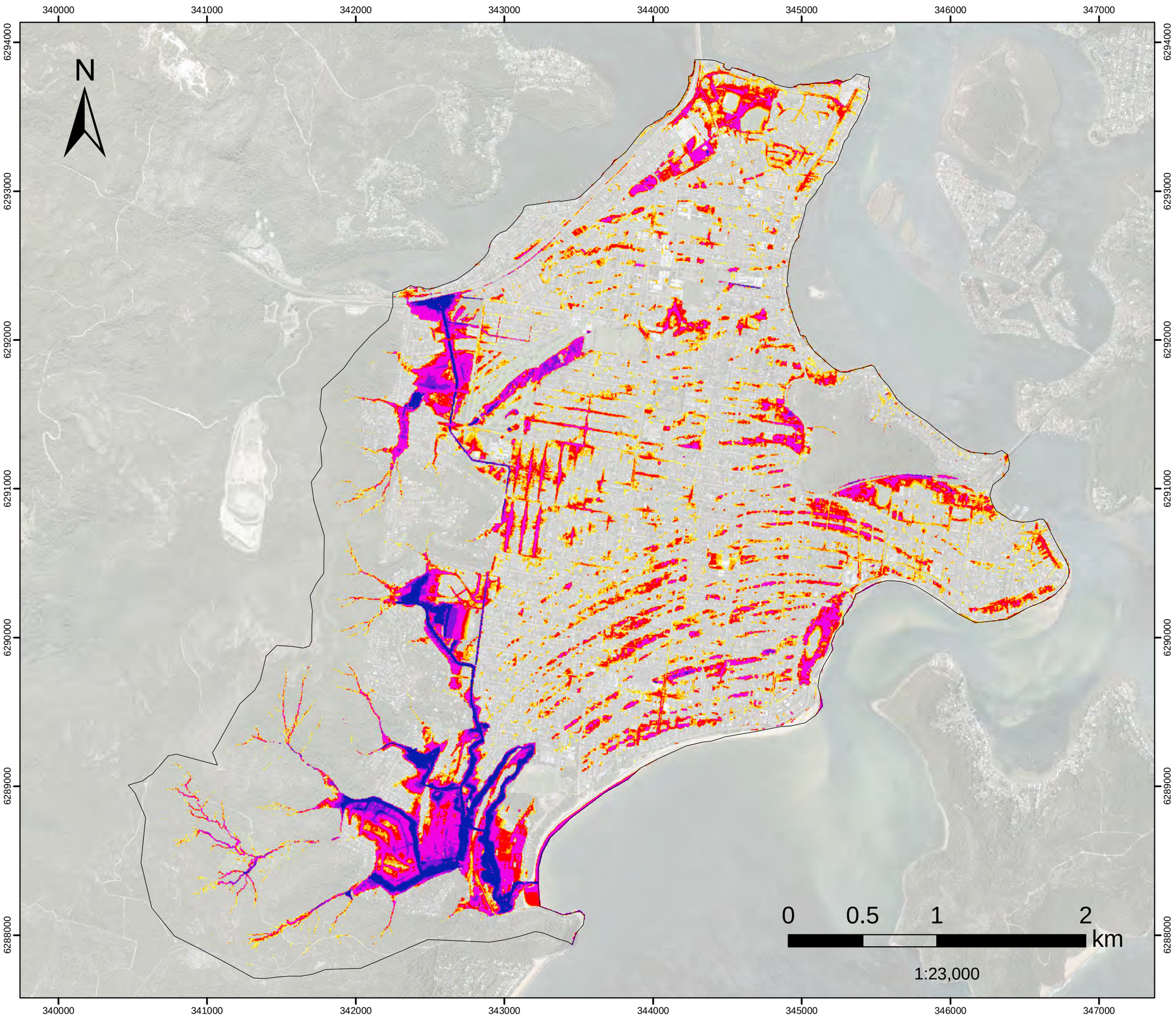

FIGURE L.6
PMF FM08
Palmtree Grove Detention Basin
Flood Depth

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)
No puddles less than 100m2.

Assessed for the critical duration 2hrs

Model Domain

Flood Depth (m)

- < 0.15
- 0.16- 0.2
- 0.21 - 0.3
- 0.31 - 0.5
- 0.51 - 1
- 1.1 - 1.5
- >1.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

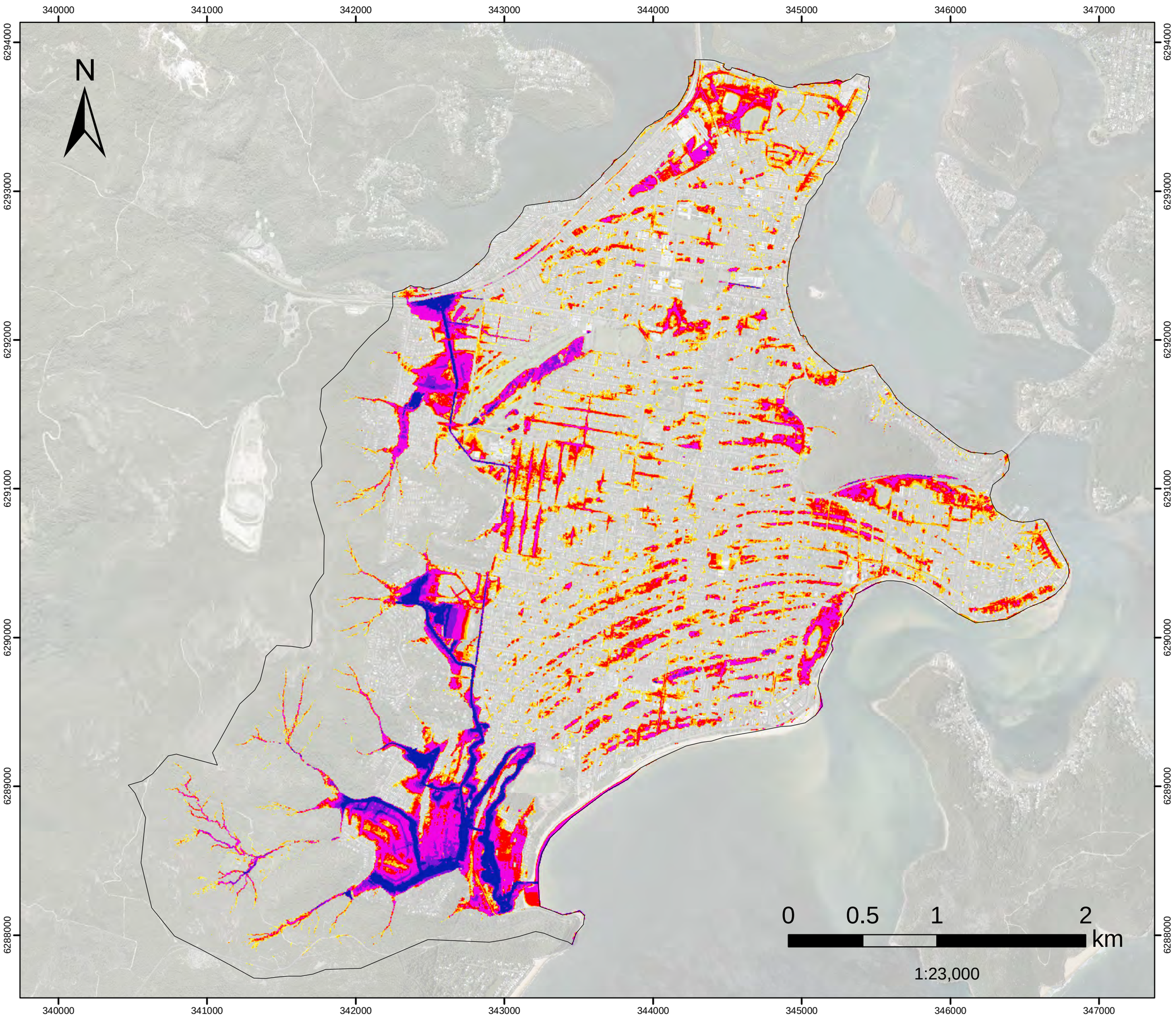

FIGURE L.7

PMF FM10

Neera Rd

Flood Depth

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 2hrs

Model Domain

Flood Depth (m)

- < 0.15
- 0.16- 0.2
- 0.21 - 0.3
- 0.31 - 0.5
- 0.51 - 1
- 1.1 - 1.5
- >1.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

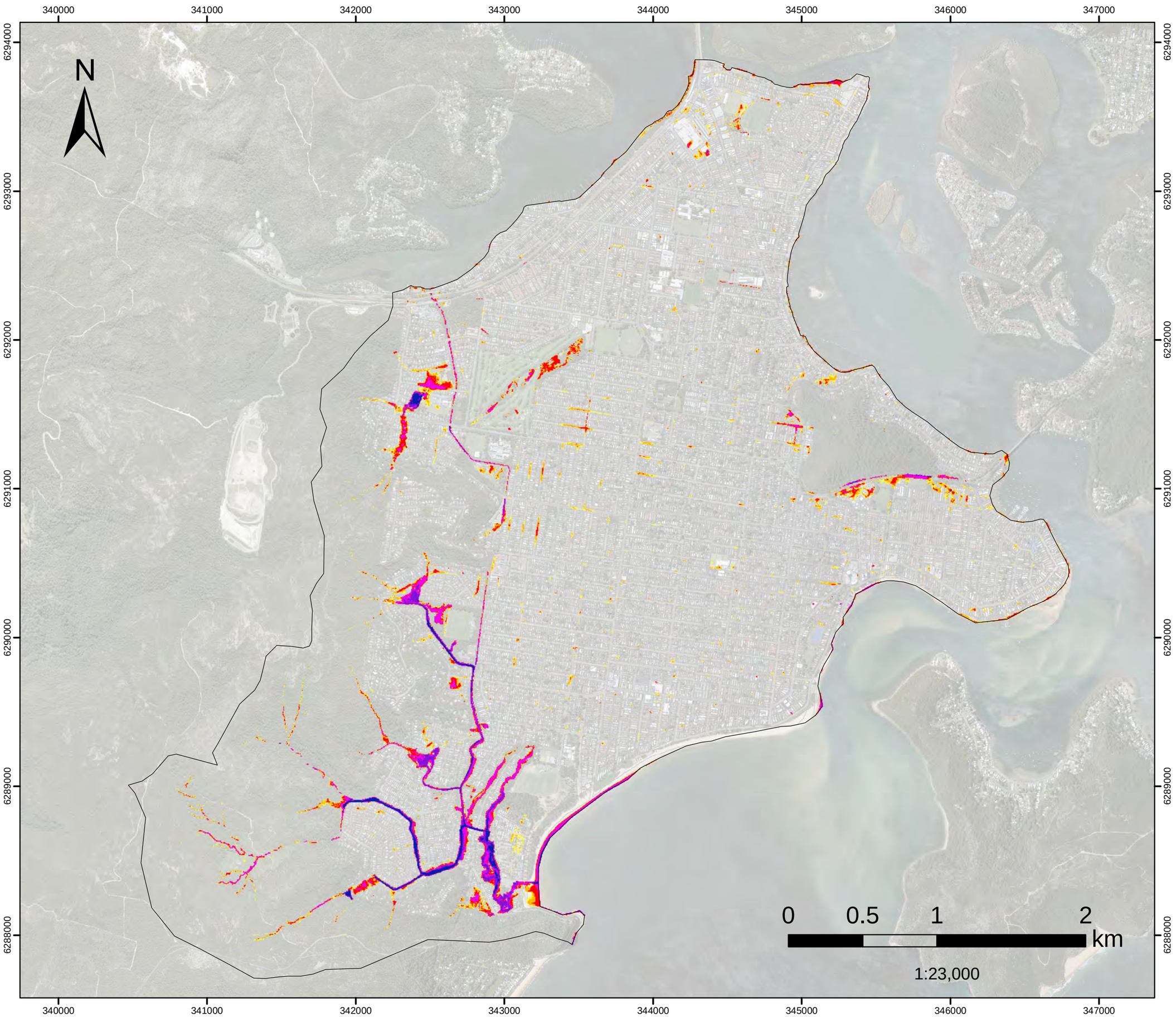

FIGURE L.8
1%AEP FM01
Woy Woy CBD
Flood Depth

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 6hrs

Model Domain

Flood Depth (m)

- < 0.15
- 0.16- 0.2
- 0.21 - 0.3
- 0.31 - 0.5
- 0.51 - 1
- 1.1 - 1.5
- >1.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

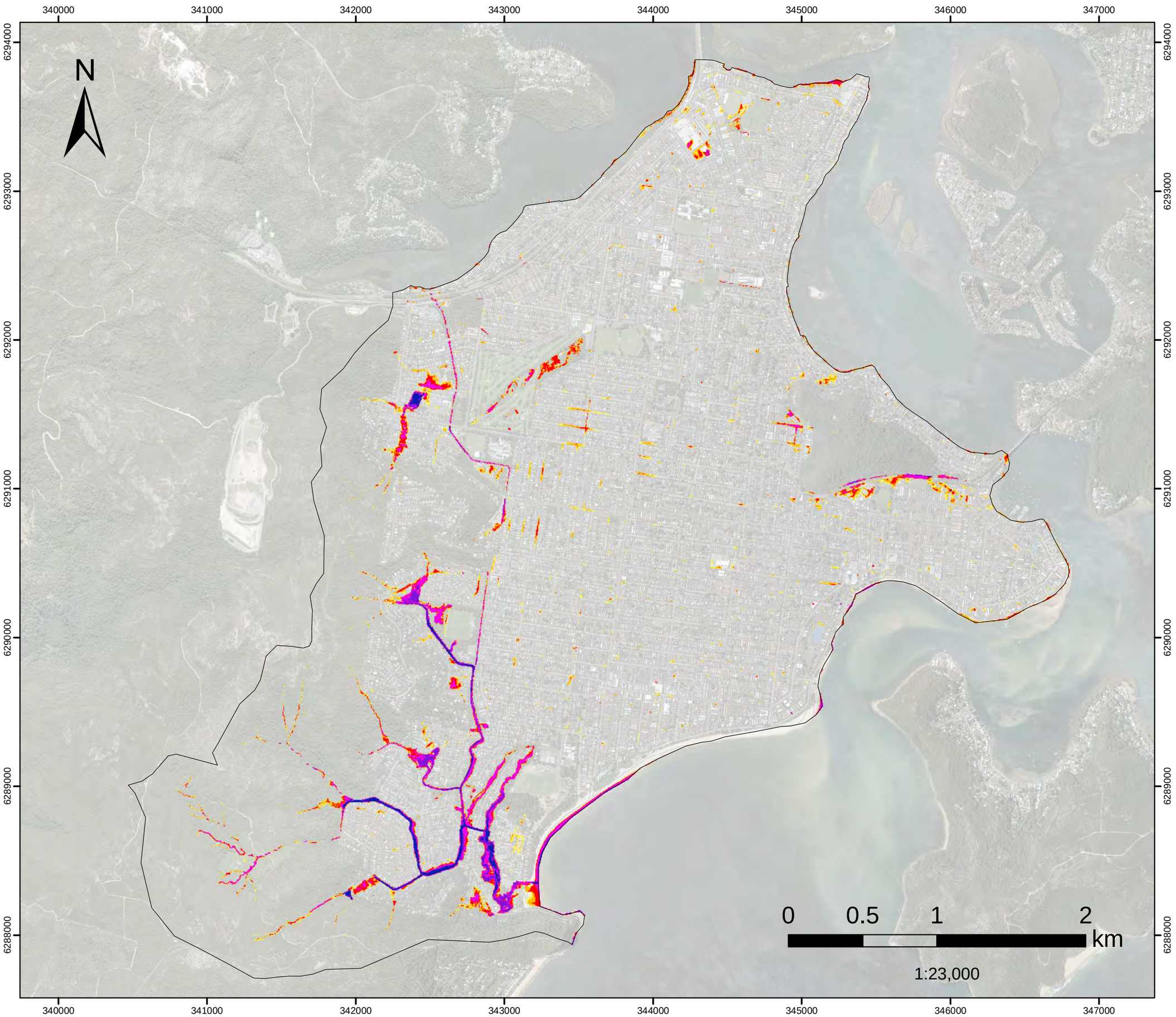

FIGURE L.9

1%AEP FM02

Dulkala Rd to Karingal Cl

Flood Depth

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 6hrs

Model Domain

Flood Depth (m)

- < 0.15
- 0.16- 0.2
- 0.21 - 0.3
- 0.31 - 0.5
- 0.51 - 1
- 1.1 - 1.5
- >1.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

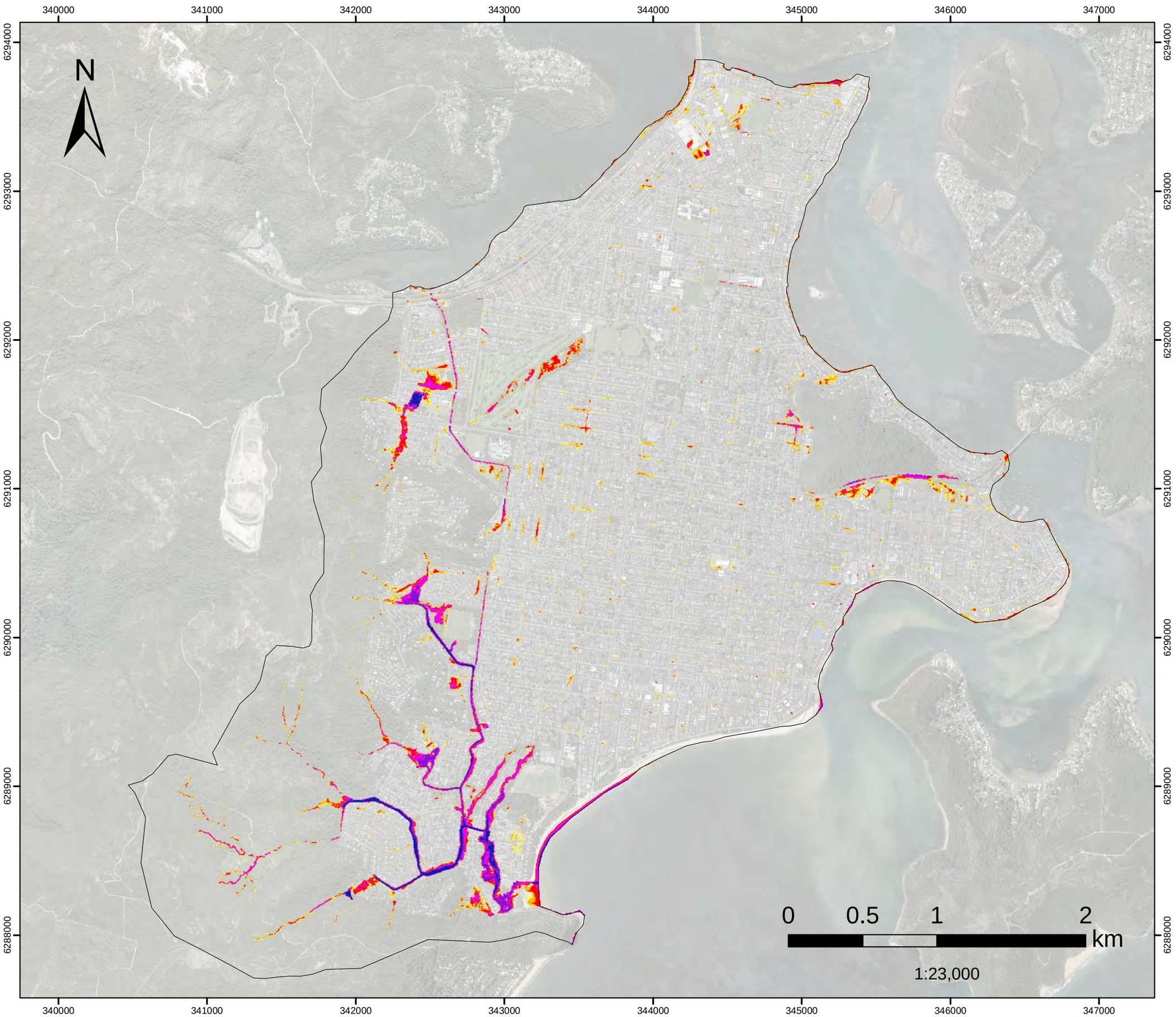

FIGURE L.10
1%AEP FM03

Infiltration Devices
Flood Depth

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 6hrs

Model Domain

Flood Depth (m)

- < 0.15
- 0.16- 0.2
- 0.21 - 0.3
- 0.31 - 0.5
- 0.51 - 1
- 1.1 - 1.5
- >1.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

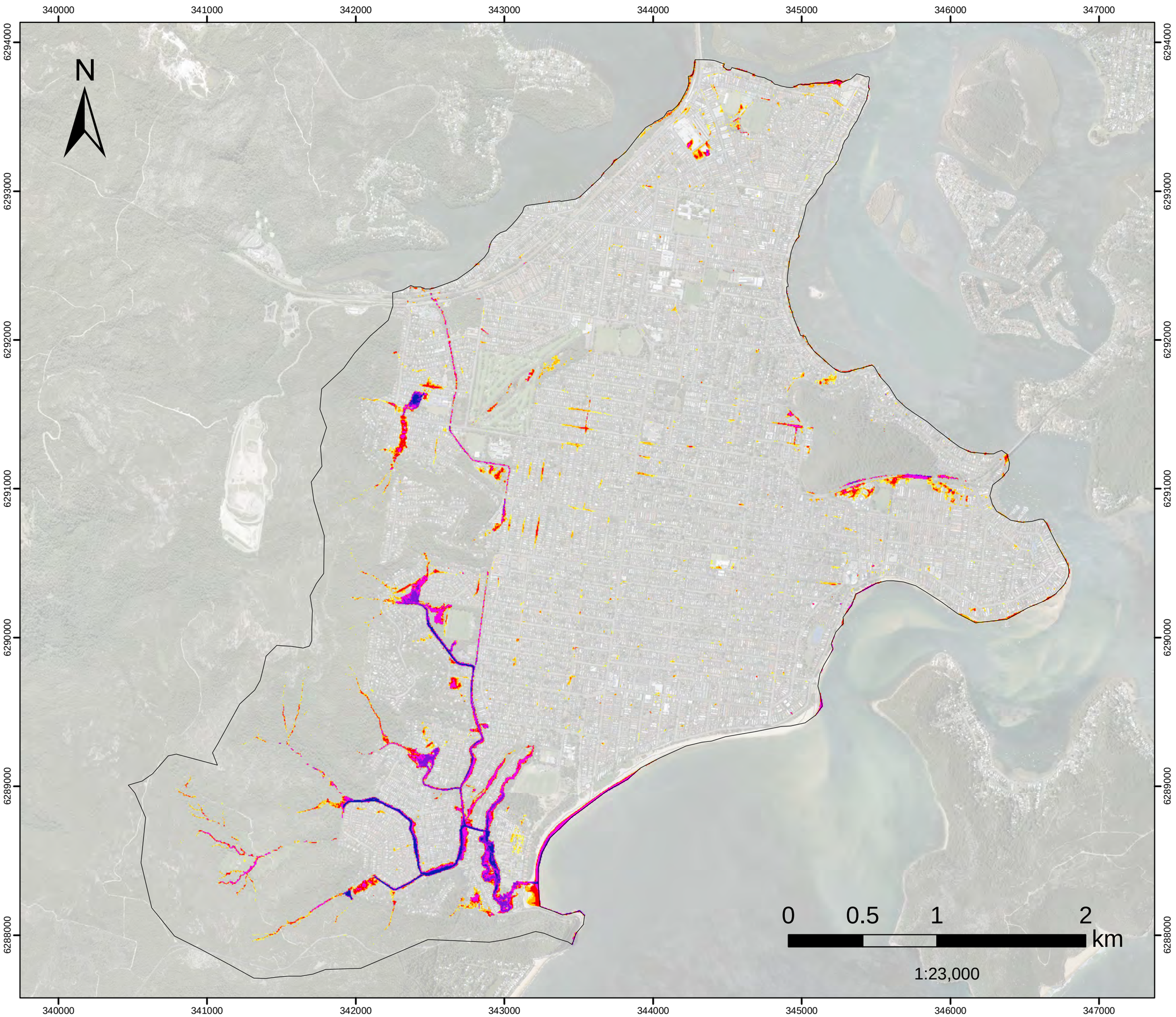

FIGURE L.11
1%AEP FM04

Groundwater pumping and

Everglades drainage update work

Flood Depth

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 6hrs

Model Domain

Flood Depth (m)

- < 0.15
- 0.16- 0.2
- 0.21 - 0.3
- 0.31 - 0.5
- 0.51 - 1
- 1.1 - 1.5
- >1.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

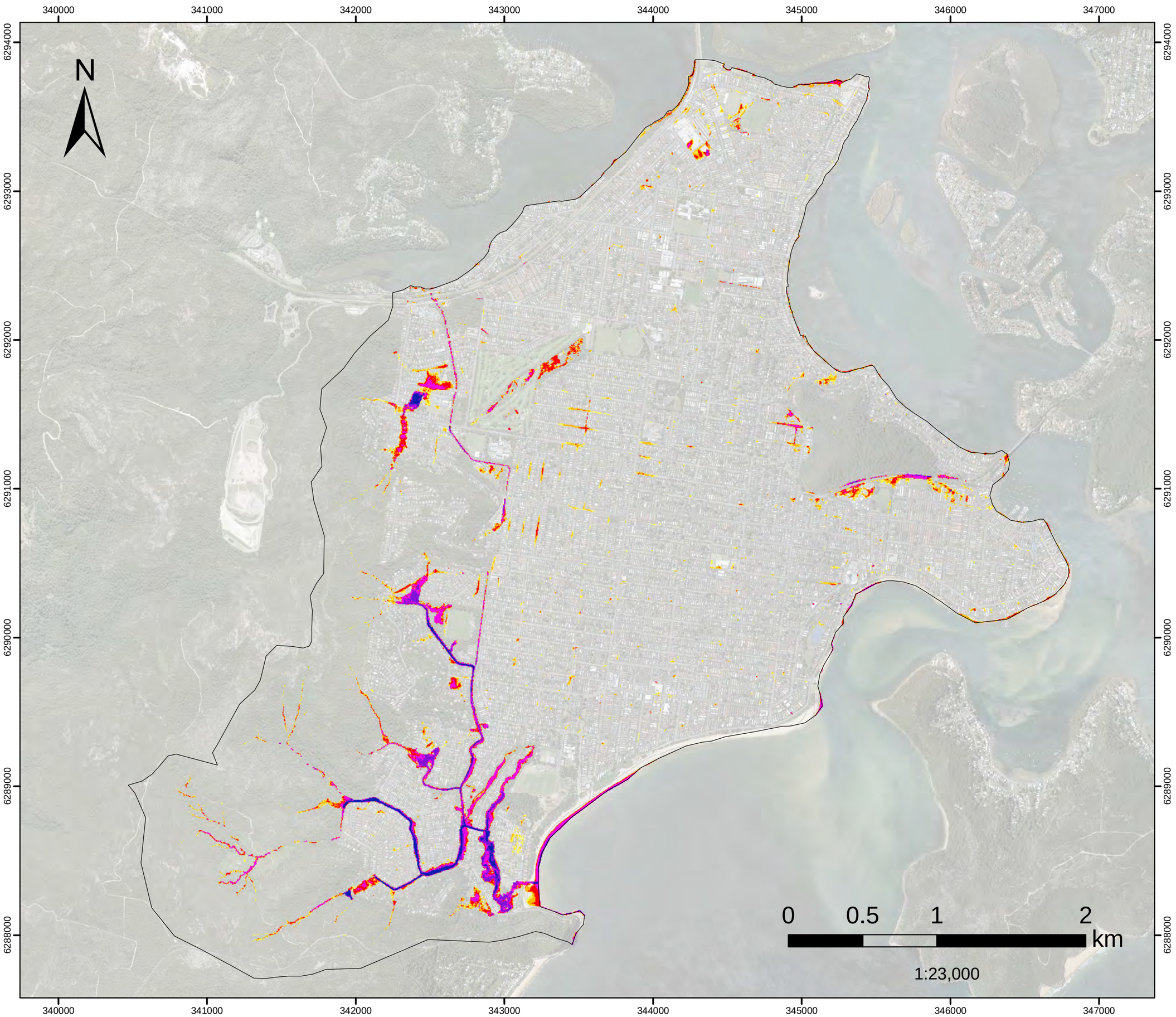

FIGURE L.12
1%AEP FM05

Greenhaven Dr

Flood Depth

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 6hrs

Model Domain

Flood Depth (m)

- < 0.15
- 0.16- 0.2
- 0.21 - 0.3
- 0.31 - 0.5
- 0.51 - 1
- 1.1 - 1.5
- >1.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

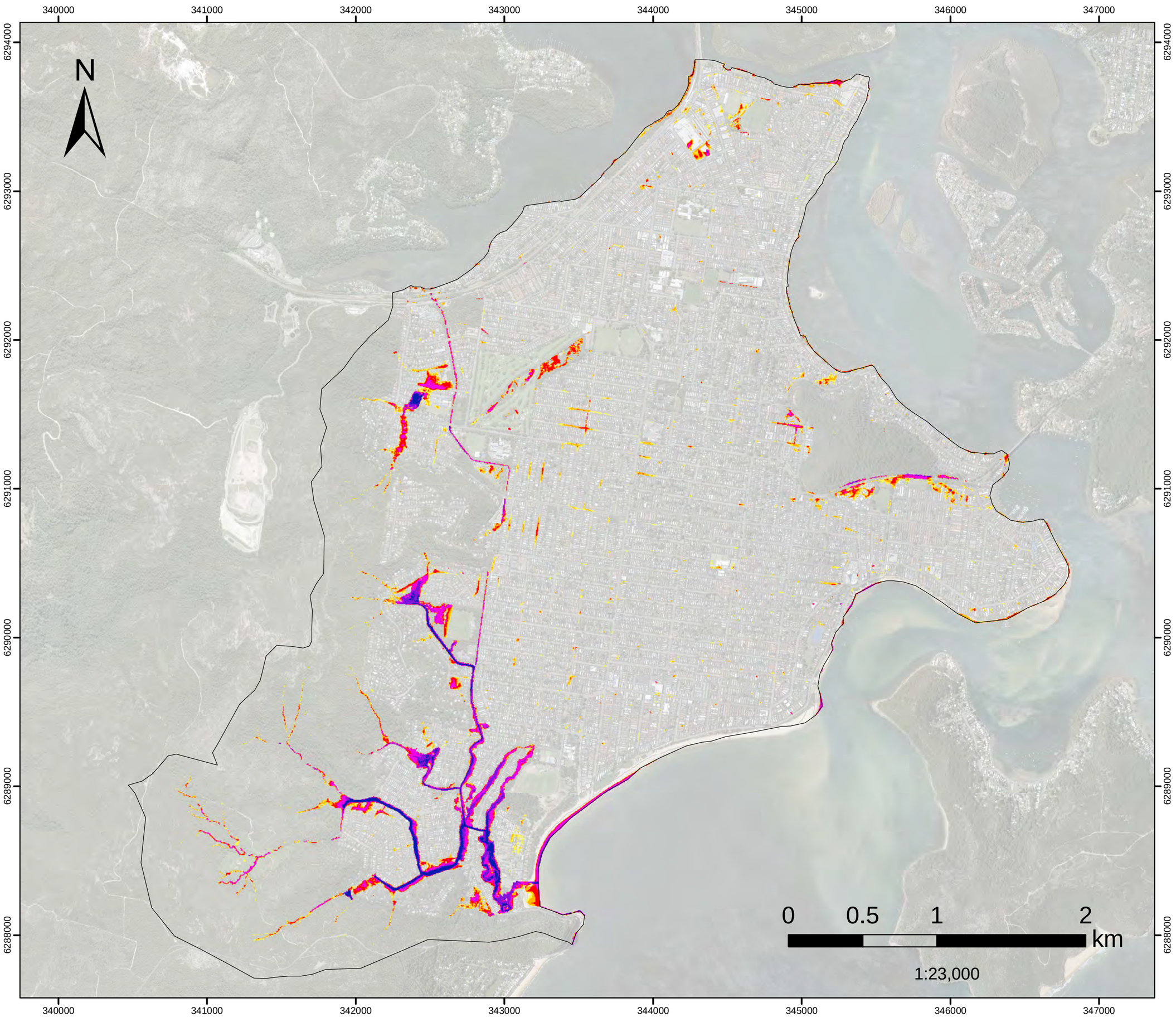

FIGURE L.13
1%AEP FM06A

Kahibah Ck system

maintenance work

Flood Depth

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 6hrs

Model Domain

Flood Depth (m)

- < 0.15
- 0.16- 0.2
- 0.21 - 0.3
- 0.31 - 0.5
- 0.51 - 1
- 1.1 - 1.5
- >1.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

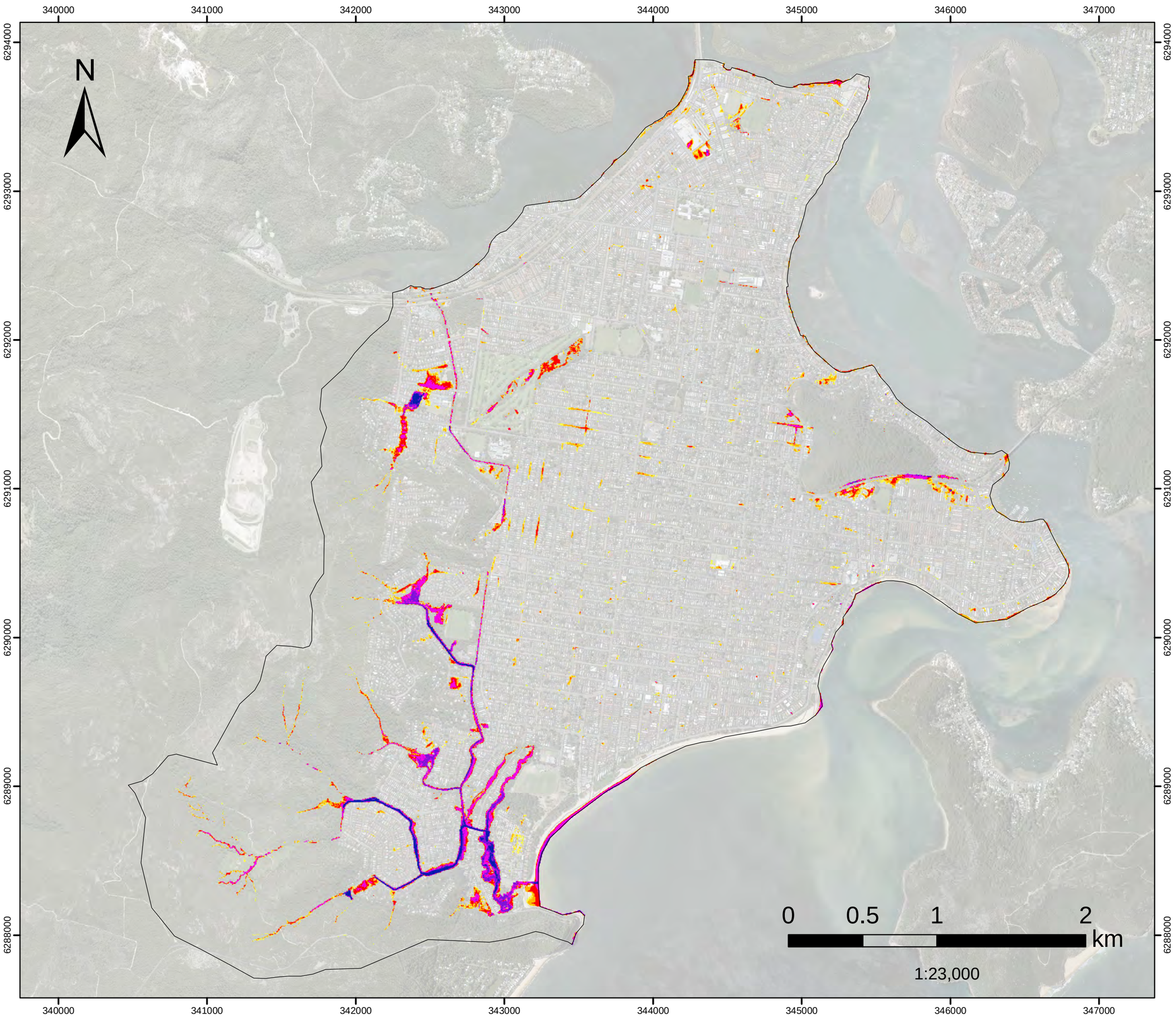

FIGURE L.14
1%AEP FM06B

Further improvement of the Kahibah Creek system maintenance work

Flood Depth

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 6hrs

Model Domain

Flood Depth (m)

- < 0.15
- 0.16- 0.2
- 0.21 - 0.3
- 0.31 - 0.5
- 0.51 - 1
- 1.1 - 1.5
- >1.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

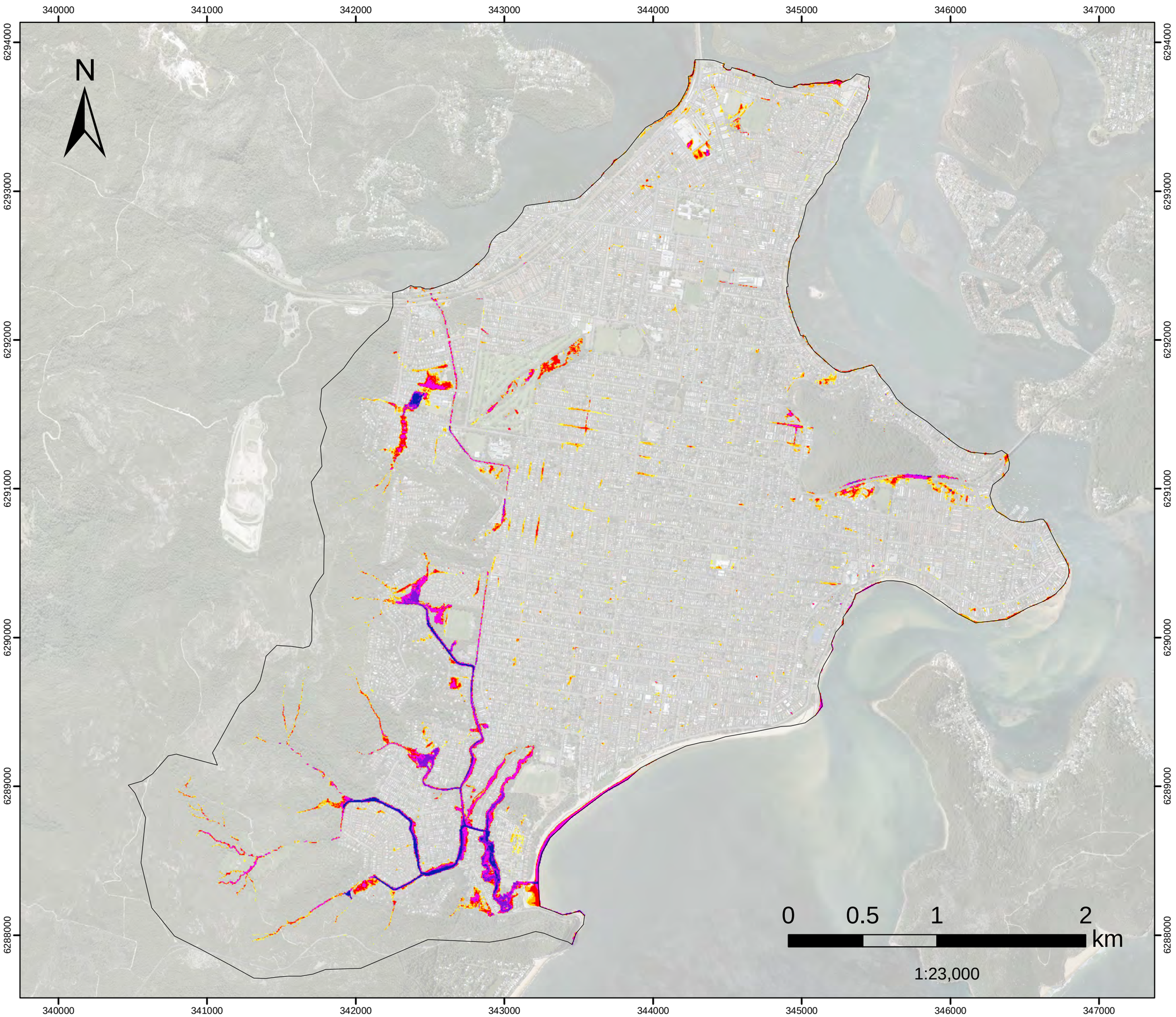

FIGURE L.15
1%AEP FM08

Palmtree Grove Detention Basin

Flood Depth

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 6hrs

Model Domain

Flood Depth (m)

- < 0.15
- 0.16- 0.2
- 0.21 - 0.3
- 0.31 - 0.5
- 0.51 - 1
- 1.1 - 1.5
- >1.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

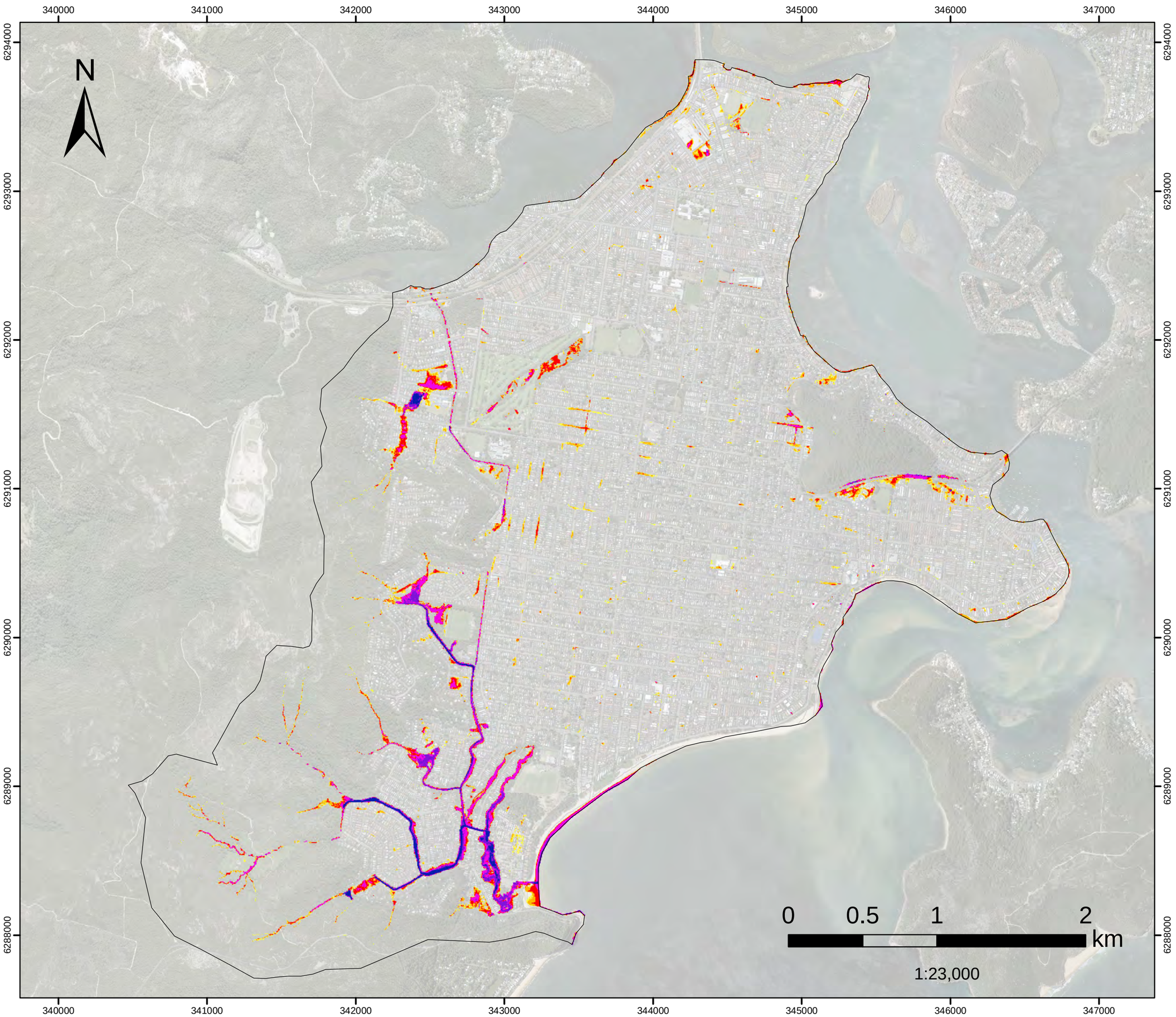

FIGURE L.16
1%AEP FM09

Wilks Av and McManus Cl

Flood Depth

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 6hrs

Model Domain

Flood Depth (m)

- < 0.15
- 0.16- 0.2
- 0.21 - 0.3
- 0.31 - 0.5
- 0.51 - 1
- 1.1 - 1.5
- >1.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

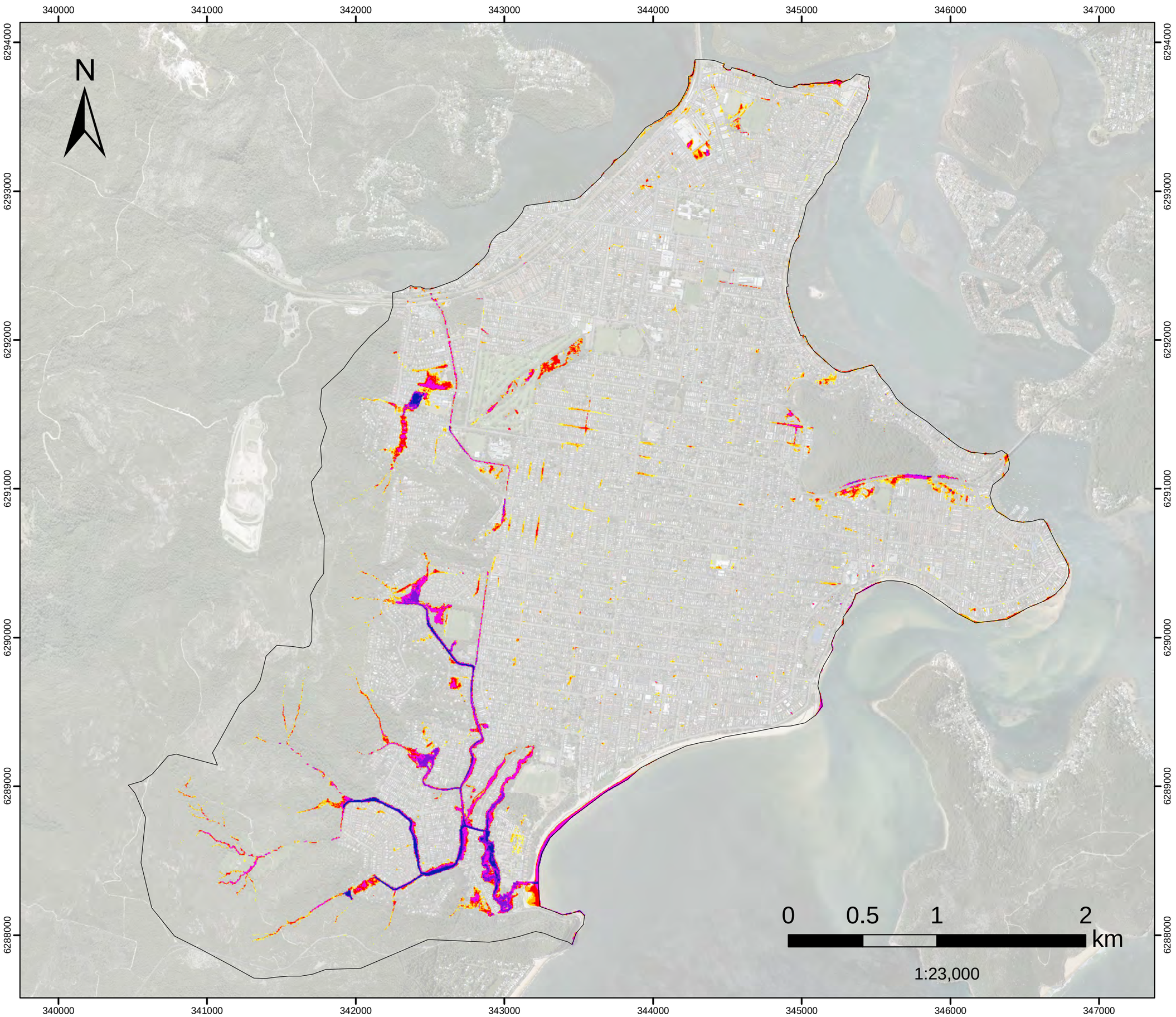

FIGURE L.17
1%AEP FM10
Neera Rd
Flood Depth

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 6hrs

Model Domain

Flood Depth (m)

- < 0.15
- 0.16- 0.2
- 0.21 - 0.3
- 0.31 - 0.5
- 0.51 - 1
- 1.1 - 1.5
- >1.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

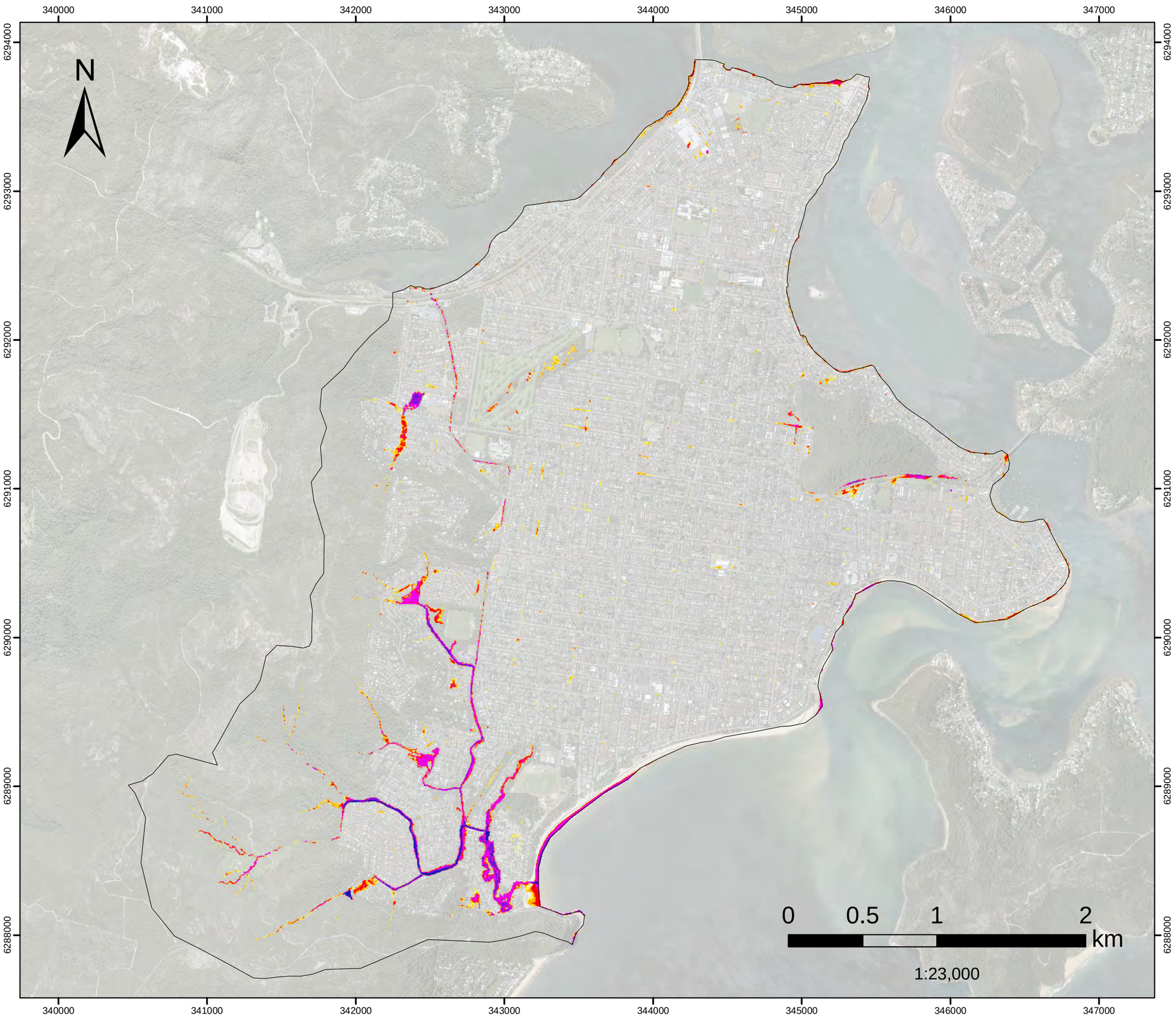

FIGURE L.18
10%AEP FM01

Woy Woy CBD
Flood Depth

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 3hrs

Model Domain

Flood Depth (m)

- < 0.15
- 0.16- 0.2
- 0.21 - 0.3
- 0.31 - 0.5
- 0.51 - 1
- 1.1 - 1.5
- >1.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

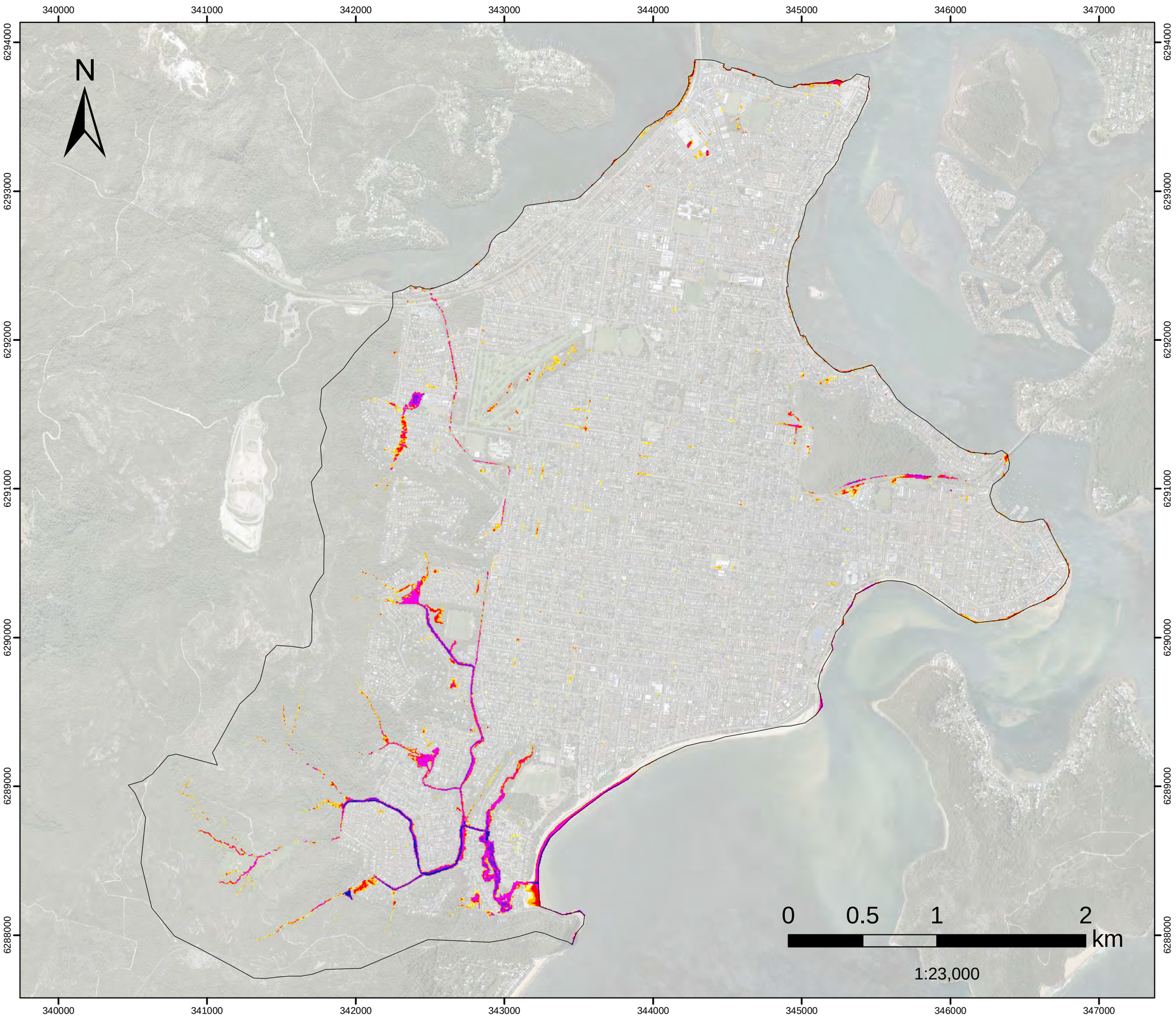

FIGURE L.19
10%AEP FM02

Dulkala Rd to Karingal Cl

Flood Depth

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 3hrs

Model Domain

Flood Depth (m)

- < 0.15
- 0.16- 0.2
- 0.21 - 0.3
- 0.31 - 0.5
- 0.51 - 1
- 1.1 - 1.5
- >1.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

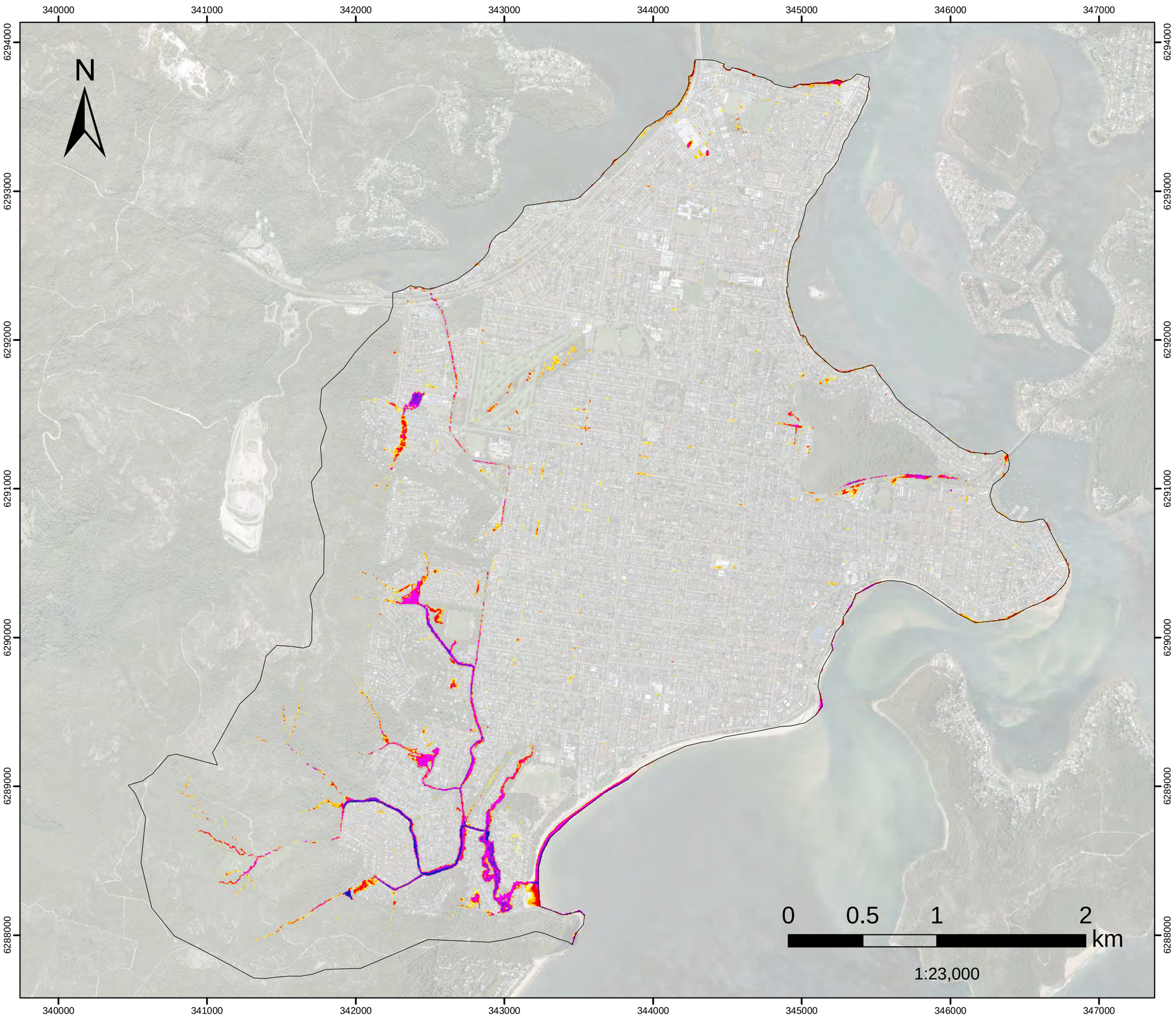

FIGURE L.20
10%AEP FM03

Infiltration Devices
Flood Depth

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 3hrs

Model Domain

Flood Depth (m)

- < 0.15
- 0.16- 0.2
- 0.21 - 0.3
- 0.31 - 0.5
- 0.51 - 1
- 1.1 - 1.5
- >1.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

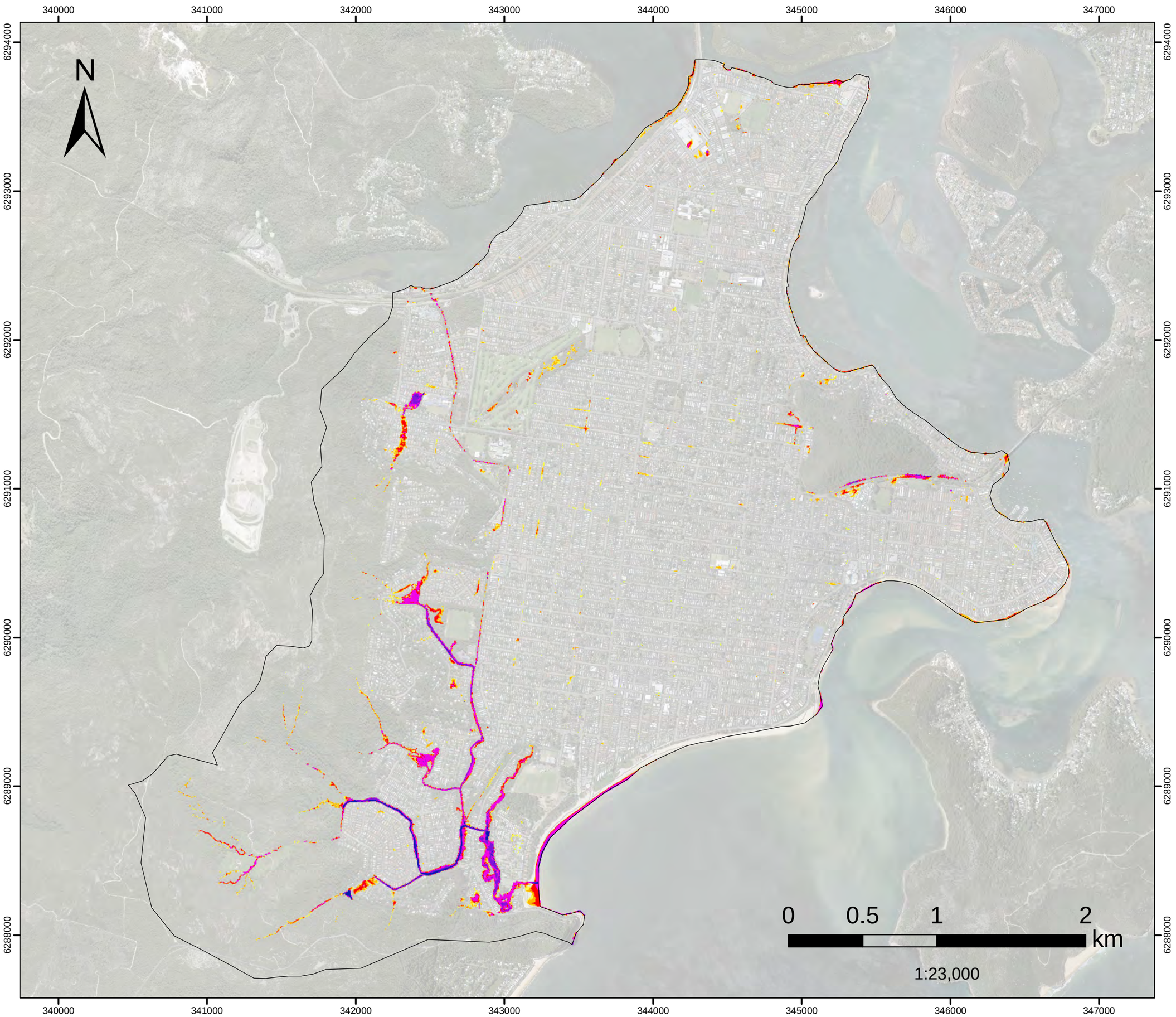

FIGURE L.21
10%AEP FM05

Greenhaven Dr

Flood Depth

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 3hrs

Model Domain

Flood Depth (m)

- < 0.15
- 0.16- 0.2
- 0.21 - 0.3
- 0.31 - 0.5
- 0.51 - 1
- 1.1 - 1.5
- >1.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

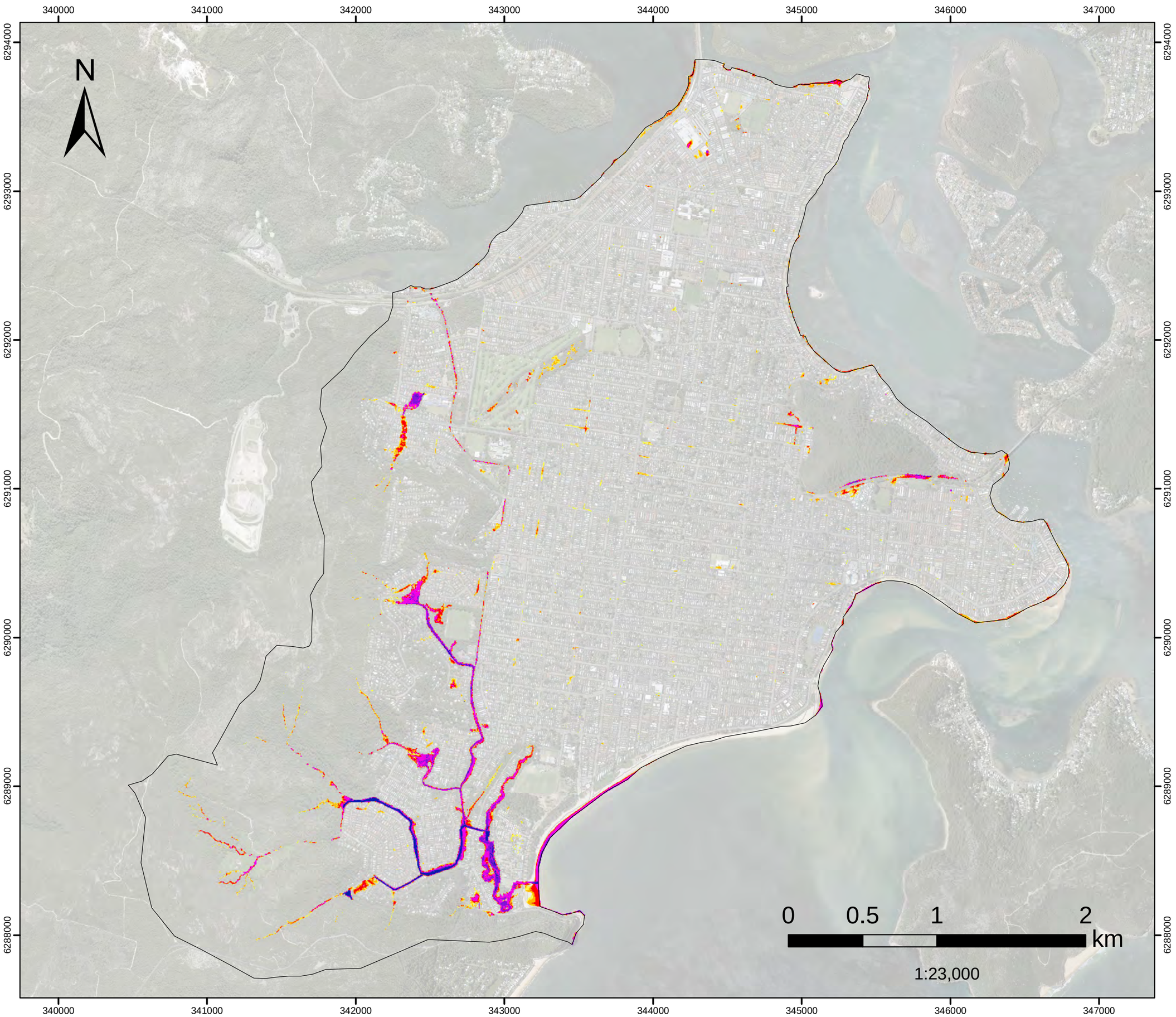

FIGURE L.22
10%AEP FM06A

Kahibah Ck system maintenance work

Flood Depth

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 3hrs

Model Domain

Flood Depth (m)

- < 0.15
- 0.16- 0.2
- 0.21 - 0.3
- 0.31 - 0.5
- 0.51 - 1
- 1.1 - 1.5
- >1.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

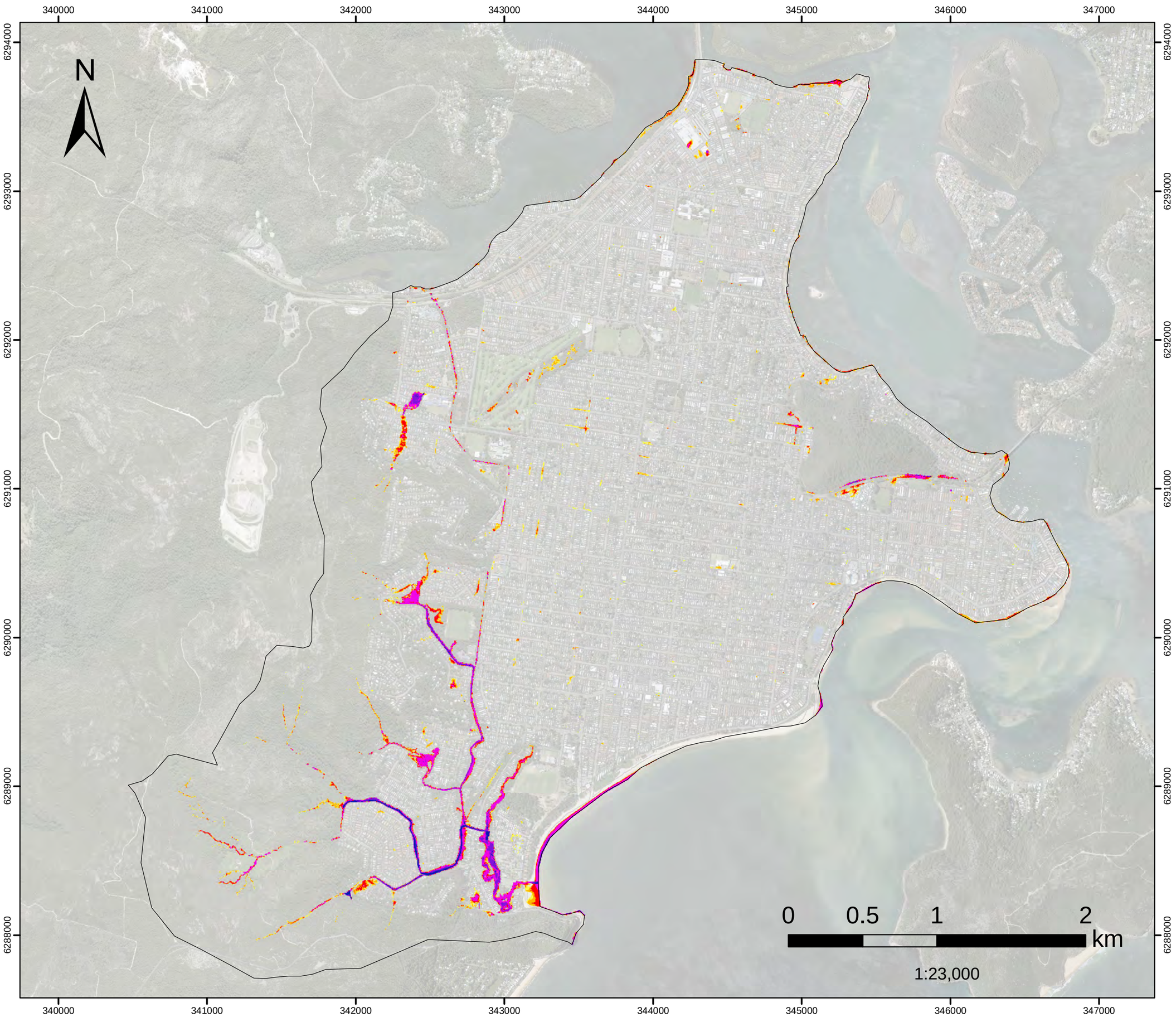

FIGURE L.23
10%AEP FM08

Palmtree Grove Detention Basin

Flood Depth

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 3hrs

Model Domain

Flood Depth (m)

- < 0.15
- 0.16- 0.2
- 0.21 - 0.3
- 0.31 - 0.5
- 0.51 - 1
- 1.1 - 1.5
- >1.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

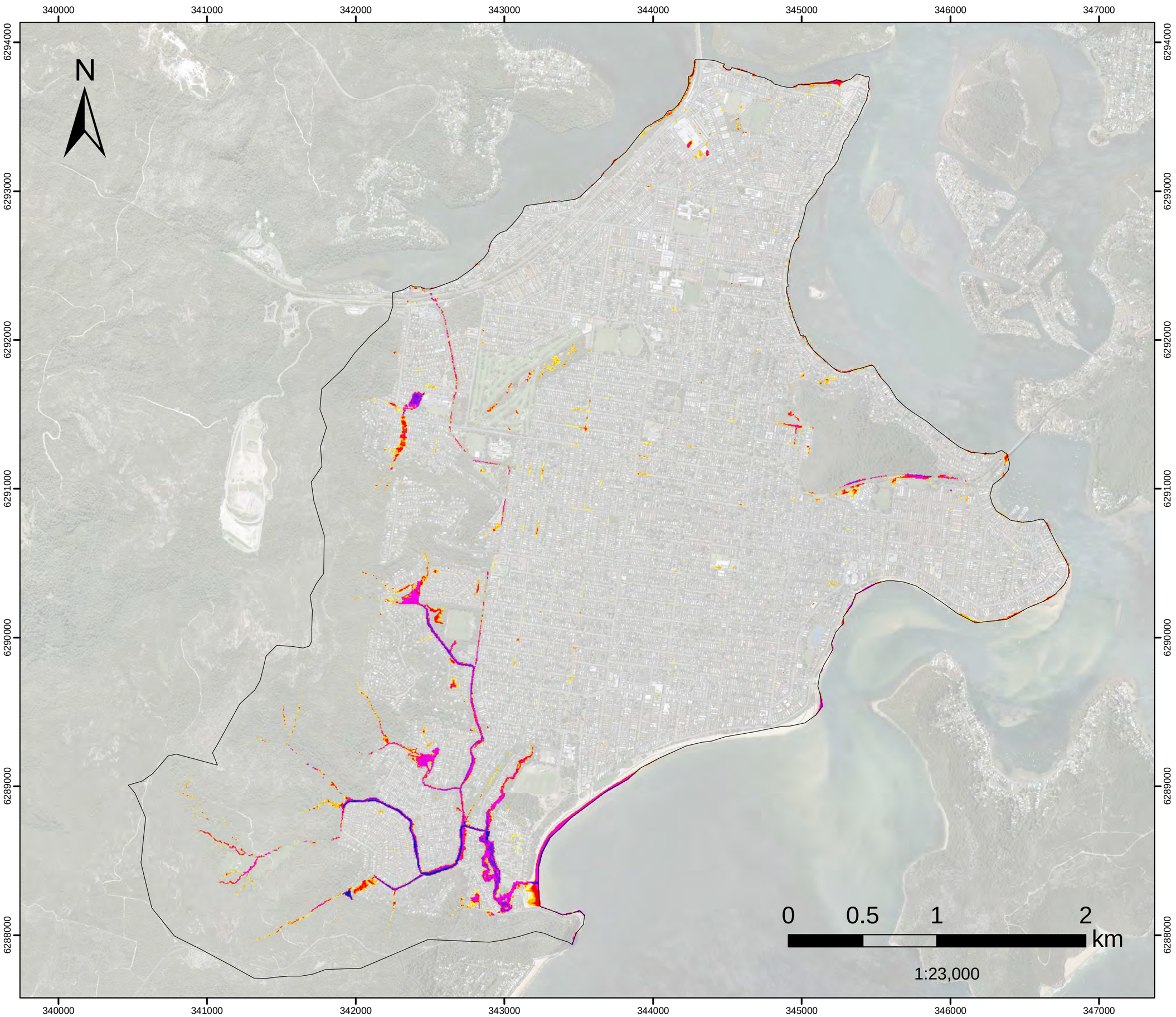

FIGURE L.24
10%AEP FM10
Neera Rd
Flood Depth

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 3hrs

Model Domain

Flood Depth (m)

- < 0.15
- 0.16- 0.2
- 0.21 - 0.3
- 0.31 - 0.5
- 0.51 - 1
- 1.1 - 1.5
- >1.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

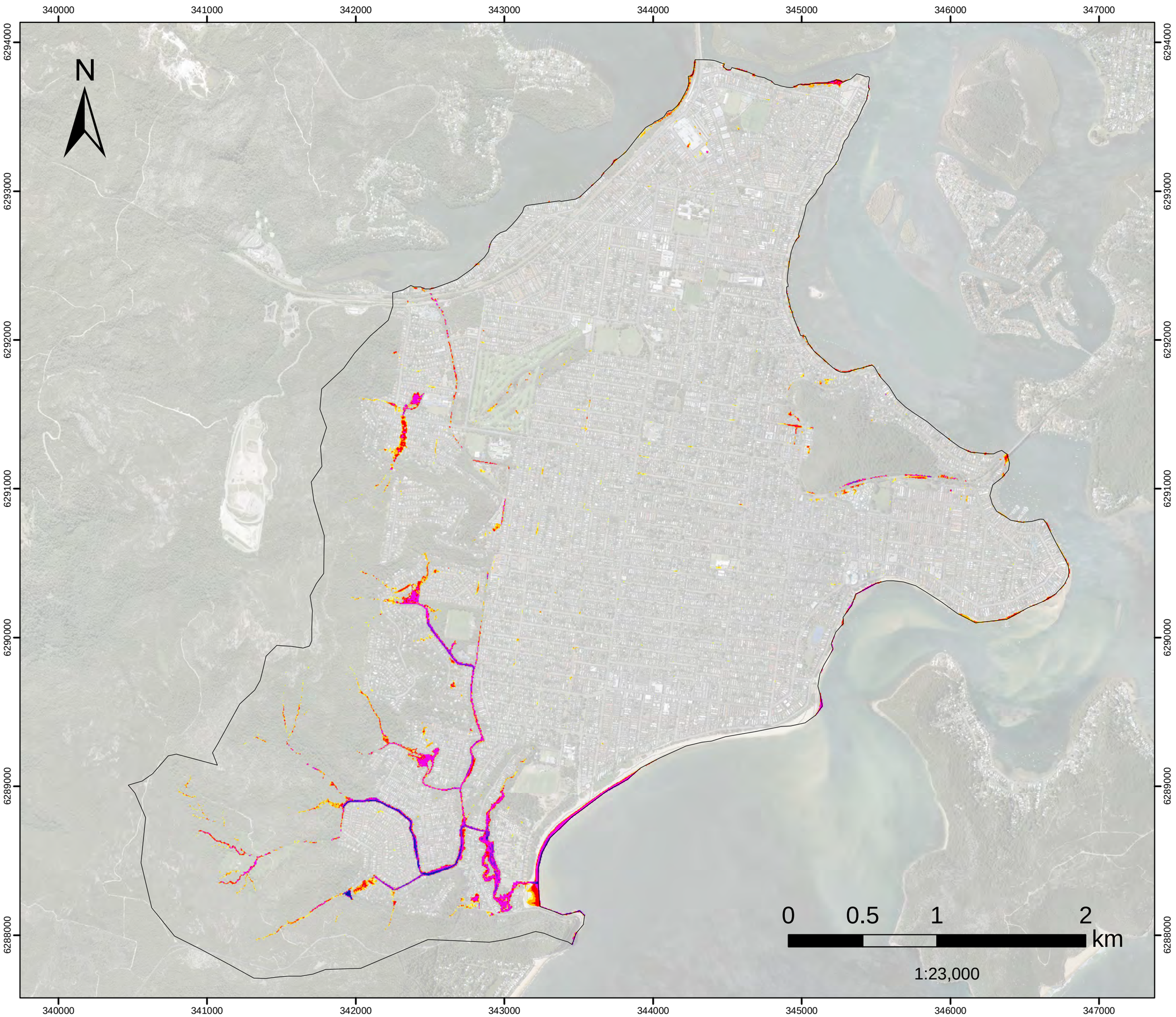

FIGURE L.25
20%AEP FM01

Woy Woy CBD
Flood Depth

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 1hr

Model Domain

Flood Depth (m)

- < 0.15
- 0.16- 0.2
- 0.21 - 0.3
- 0.31 - 0.5
- 0.51 - 1
- 1.1 - 1.5
- >1.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

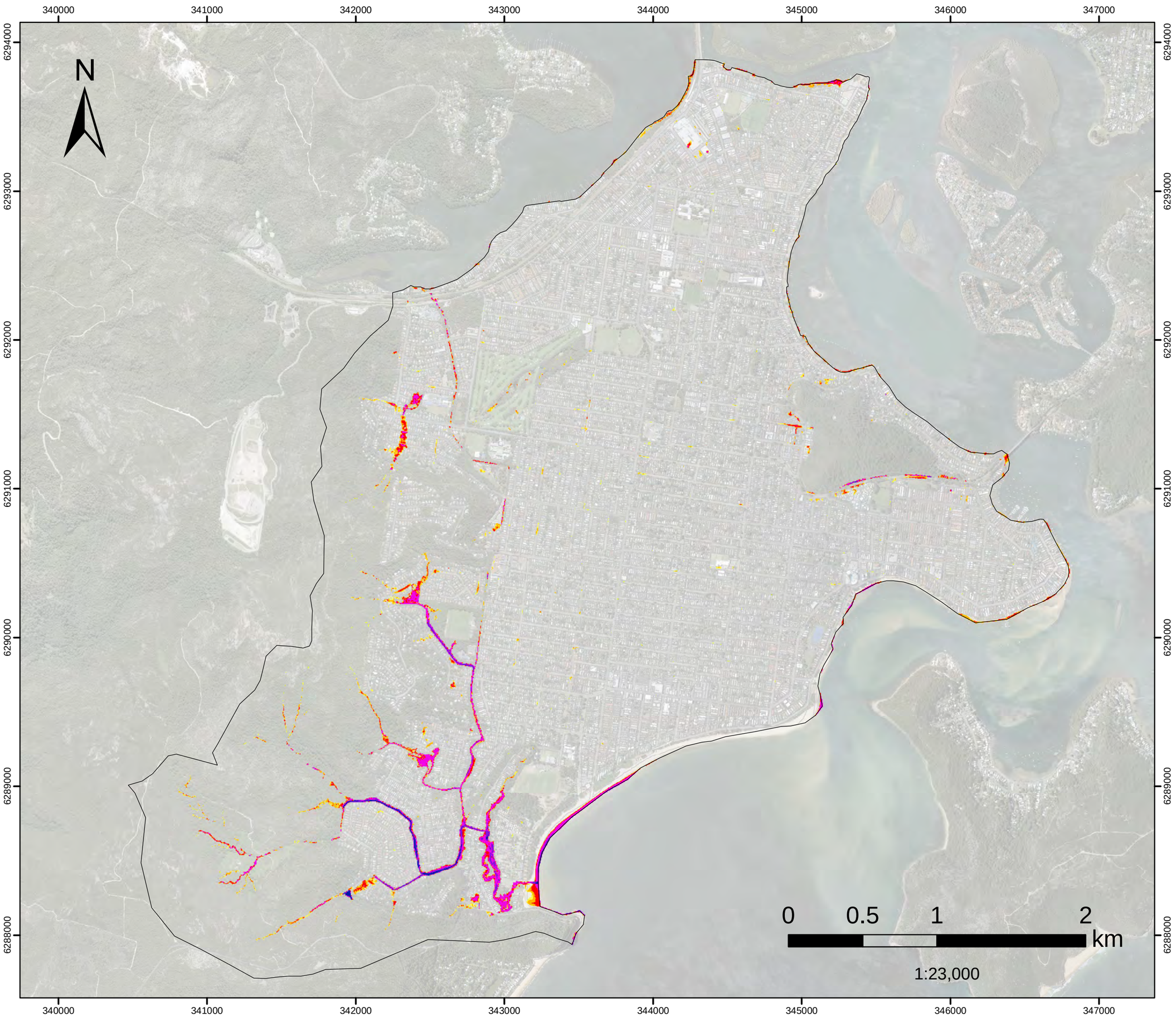

FIGURE L.26

20%AEP FM02

Dulkala Rd to Karingal Cl

Flood Depth

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 1hr

Model Domain

Flood Depth (m)

- < 0.15
- 0.16- 0.2
- 0.21 - 0.3
- 0.31 - 0.5
- 0.51 - 1
- 1.1 - 1.5
- >1.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

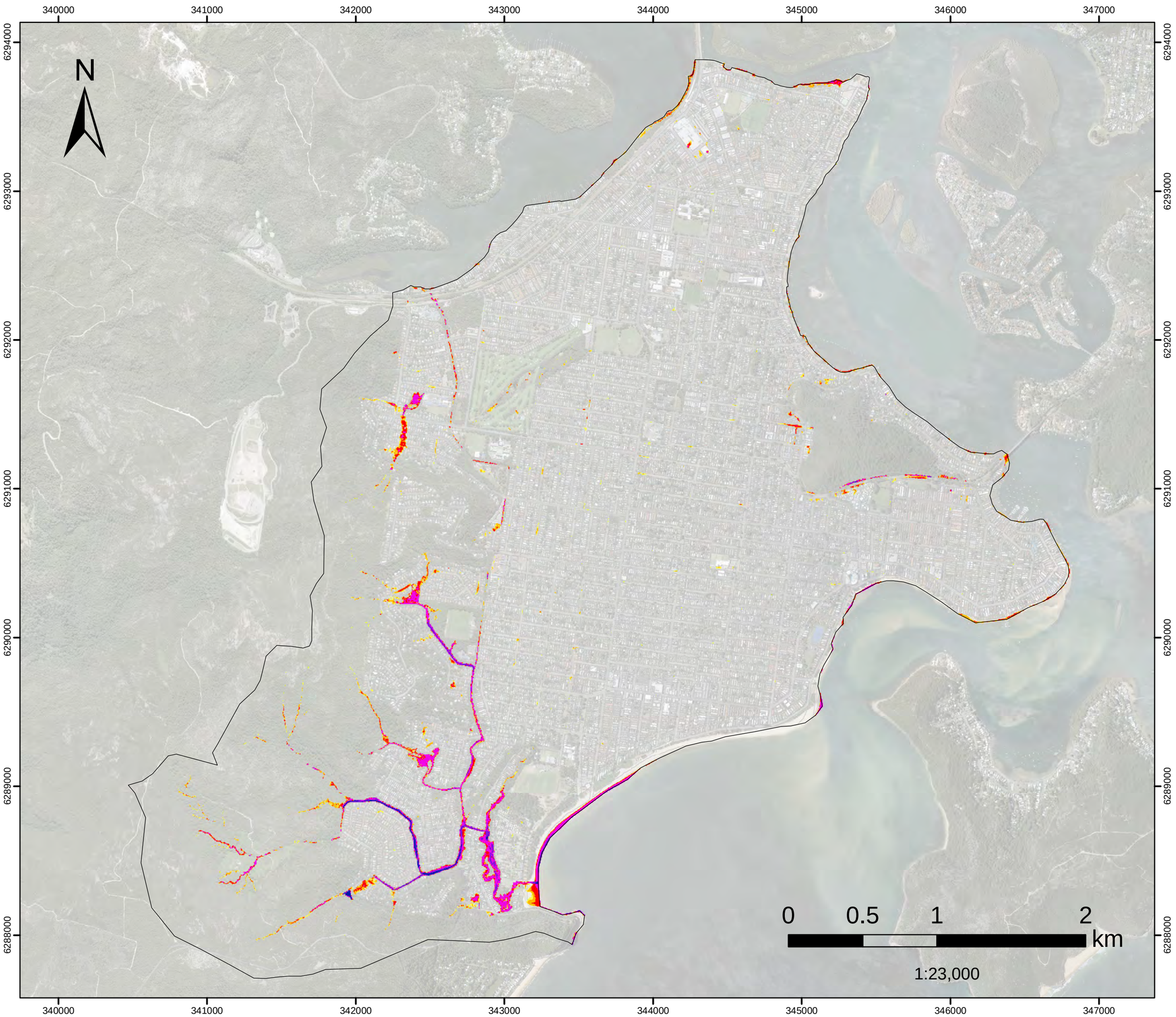

FIGURE L.27
20%AEP FM03

Infiltration Devices
Flood Depth

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 1hr

Model Domain

Flood Depth (m)

- < 0.15
- 0.16- 0.2
- 0.21 - 0.3
- 0.31 - 0.5
- 0.51 - 1
- 1.1 - 1.5
- >1.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

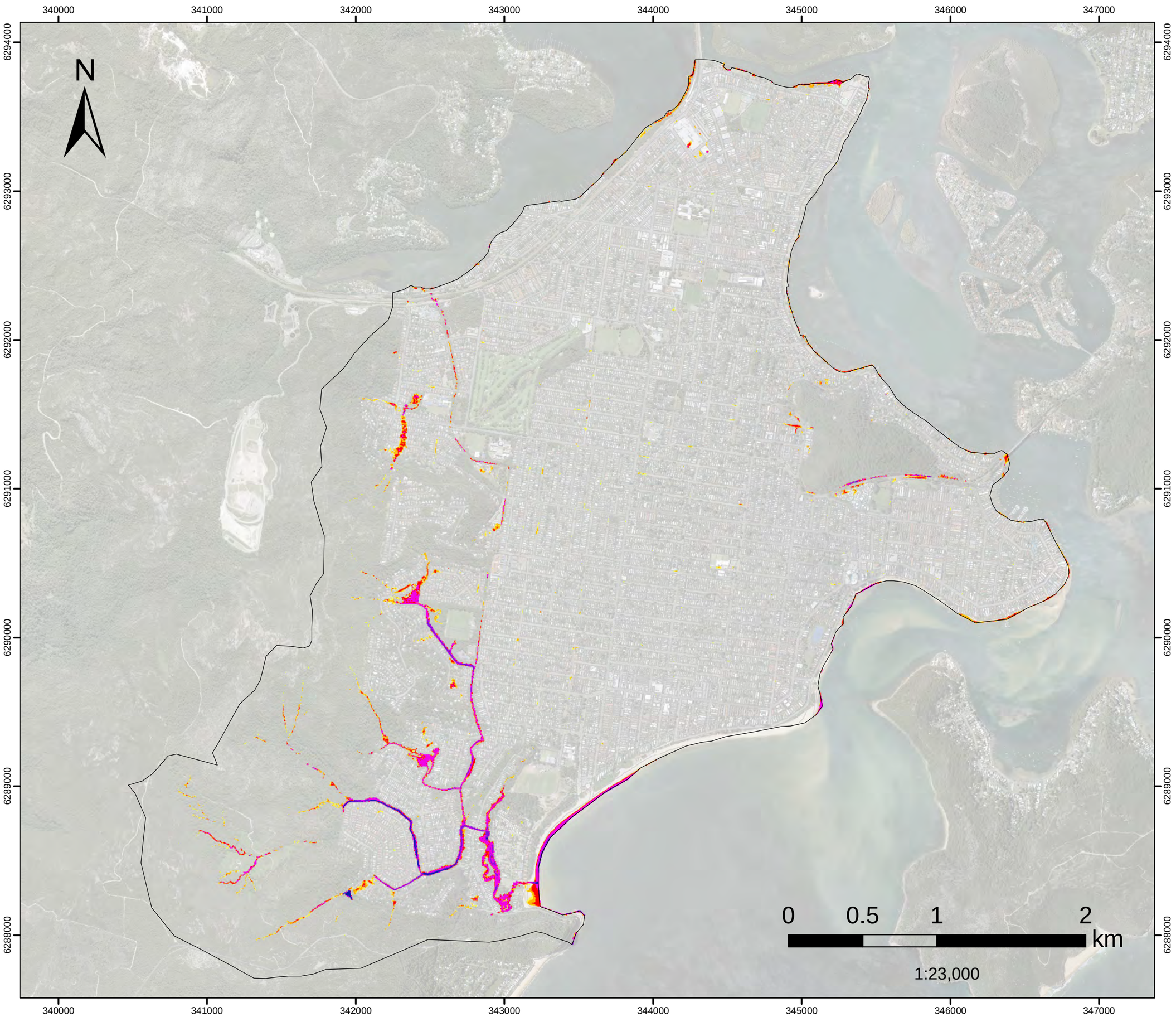

FIGURE L.28
20%AEP FM04

Groundwater pumping and Everglades drainage update work

Flood Depth

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 1hr

Model Domain

Flood Depth (m)

- < 0.15
- 0.16- 0.2
- 0.21 - 0.3
- 0.31 - 0.5
- 0.51 - 1
- 1.1 - 1.5
- >1.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

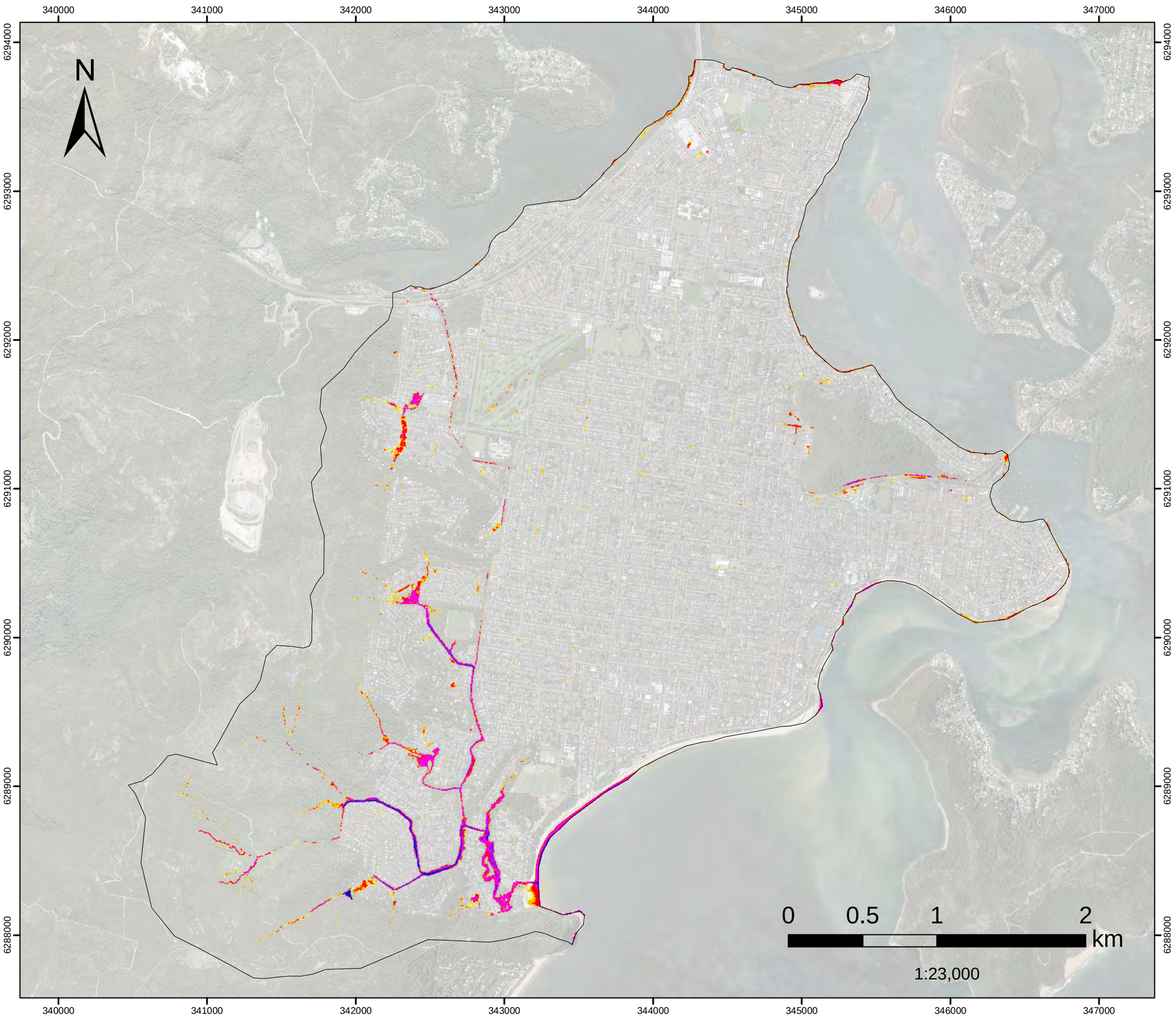

FIGURE L.29
20%AEP FM05

Greenhaven Dr

Flood Depth

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 1hr

Model Domain

Flood Depth (m)

- < 0.15
- 0.16- 0.2
- 0.21 - 0.3
- 0.31 - 0.5
- 0.51 - 1
- 1.1 - 1.5
- >1.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

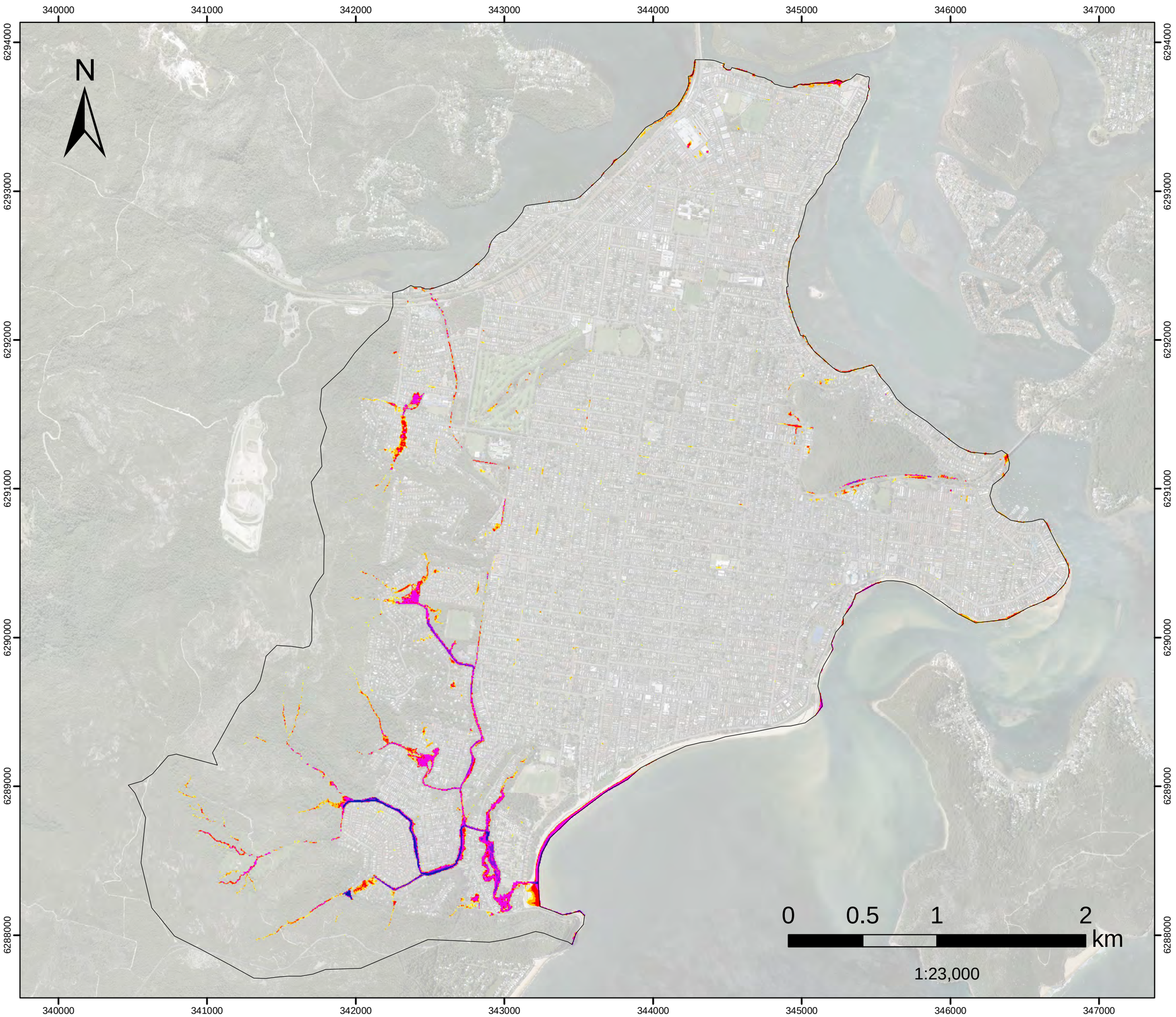

FIGURE L.30
20%AEP FM06A

Kahibah Ck system maintenance work

Flood Depth

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 1hr

Model Domain

Flood Depth (m)

- < 0.15
- 0.16- 0.2
- 0.21 - 0.3
- 0.31 - 0.5
- 0.51 - 1
- 1.1 - 1.5
- >1.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

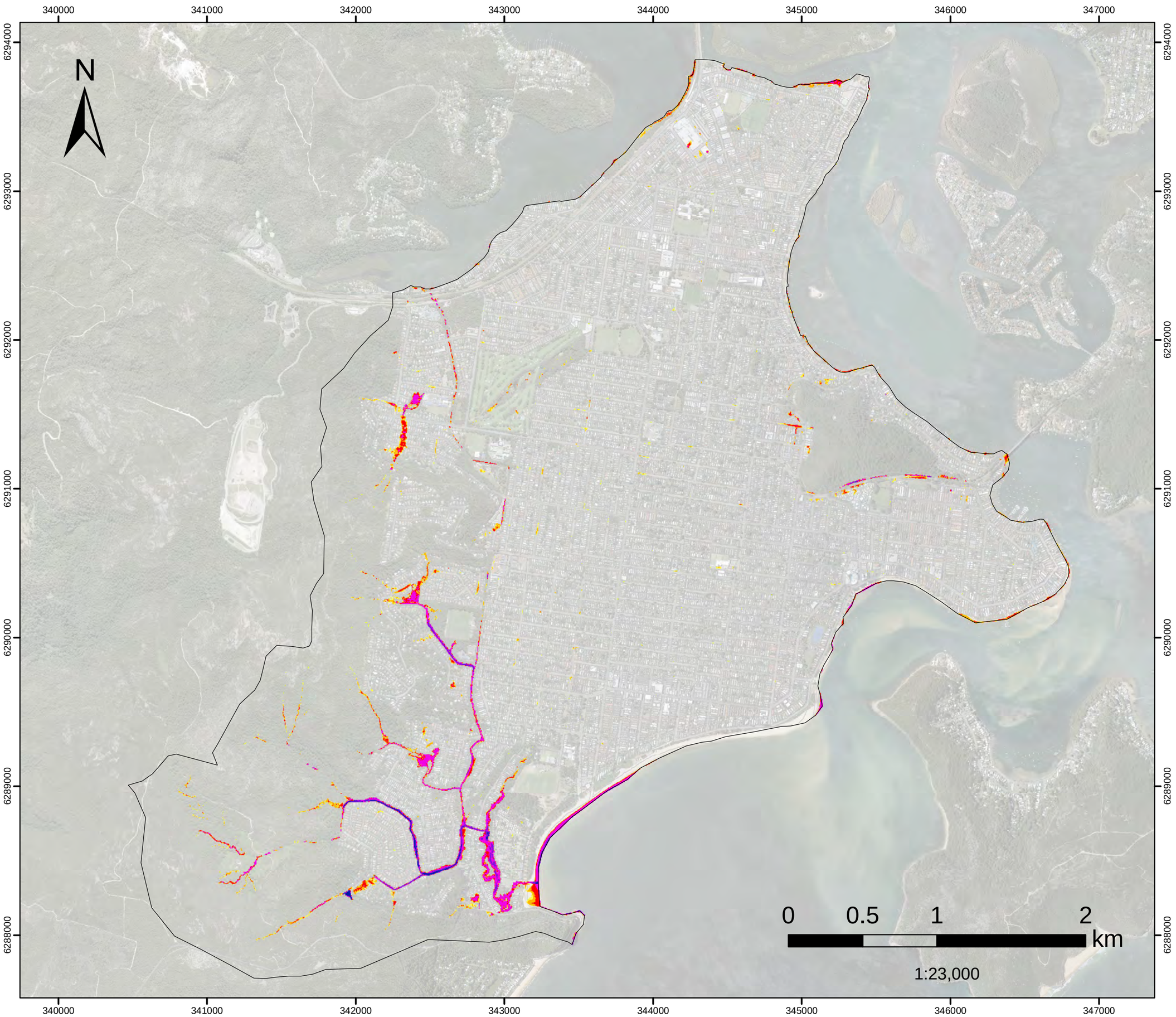

FIGURE L.31
20%AEP FM06B

Further improvement of the Kahibah Creek system maintenance work

Flood Depth

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 1hr

Model Domain

Flood Depth (m)

- < 0.15
- 0.16- 0.2
- 0.21 - 0.3
- 0.31 - 0.5
- 0.51 - 1
- 1.1 - 1.5
- >1.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

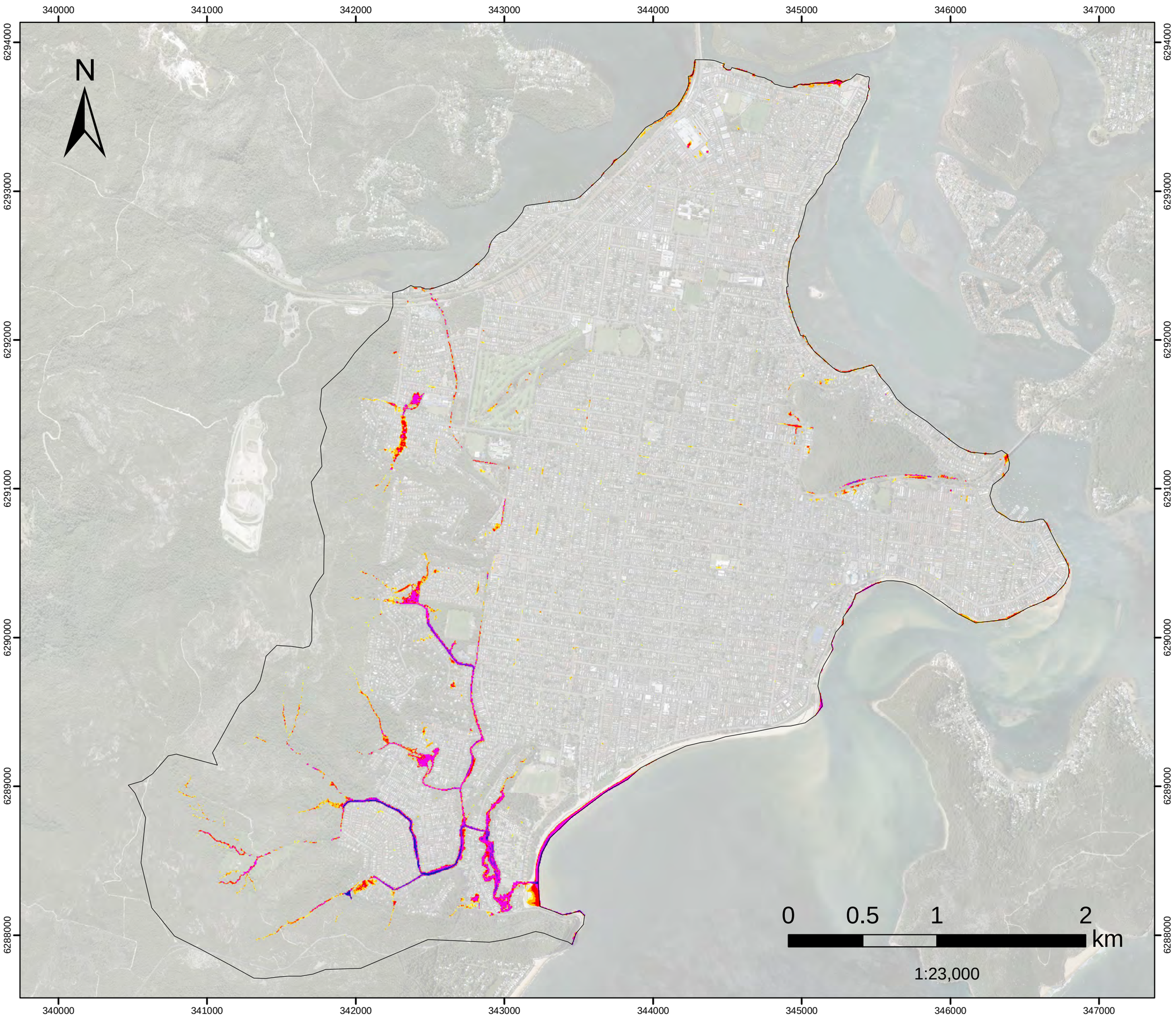

FIGURE L.32
20%AEP FM08

Palmtree Grove Detention Basin

Flood Depth

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 1hr

Model Domain

Flood Depth (m)

- < 0.15
- 0.16- 0.2
- 0.21 - 0.3
- 0.31 - 0.5
- 0.51 - 1
- 1.1 - 1.5
- >1.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

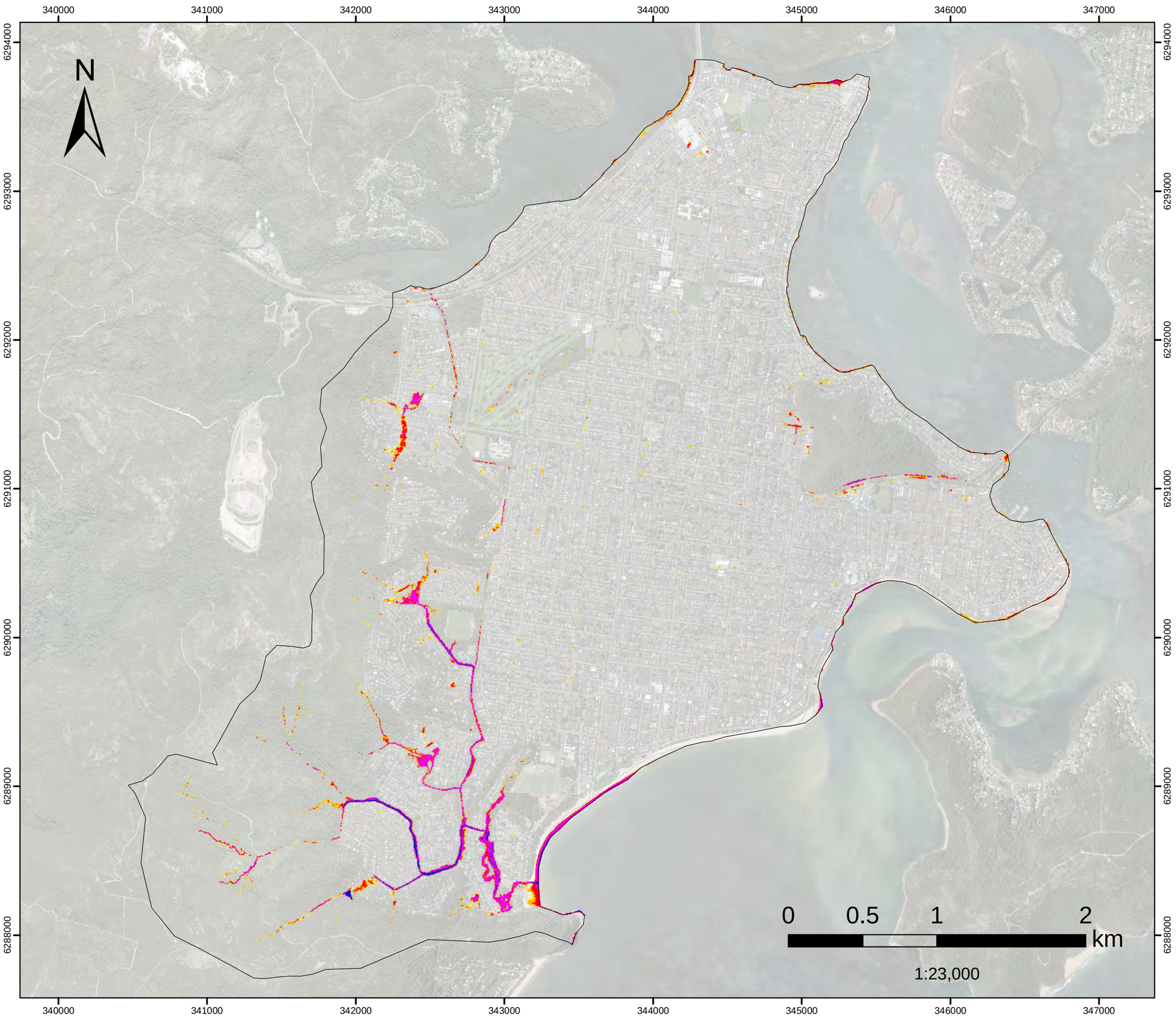

FIGURE L.33
20%AEP FM09
Wilks Av and McManus Cl

Flood Depth

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 1hr

Model Domain

Flood Depth (m)

- < 0.15
- 0.16- 0.2
- 0.21 - 0.3
- 0.31 - 0.5
- 0.51 - 1
- 1.1 - 1.5
- >1.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

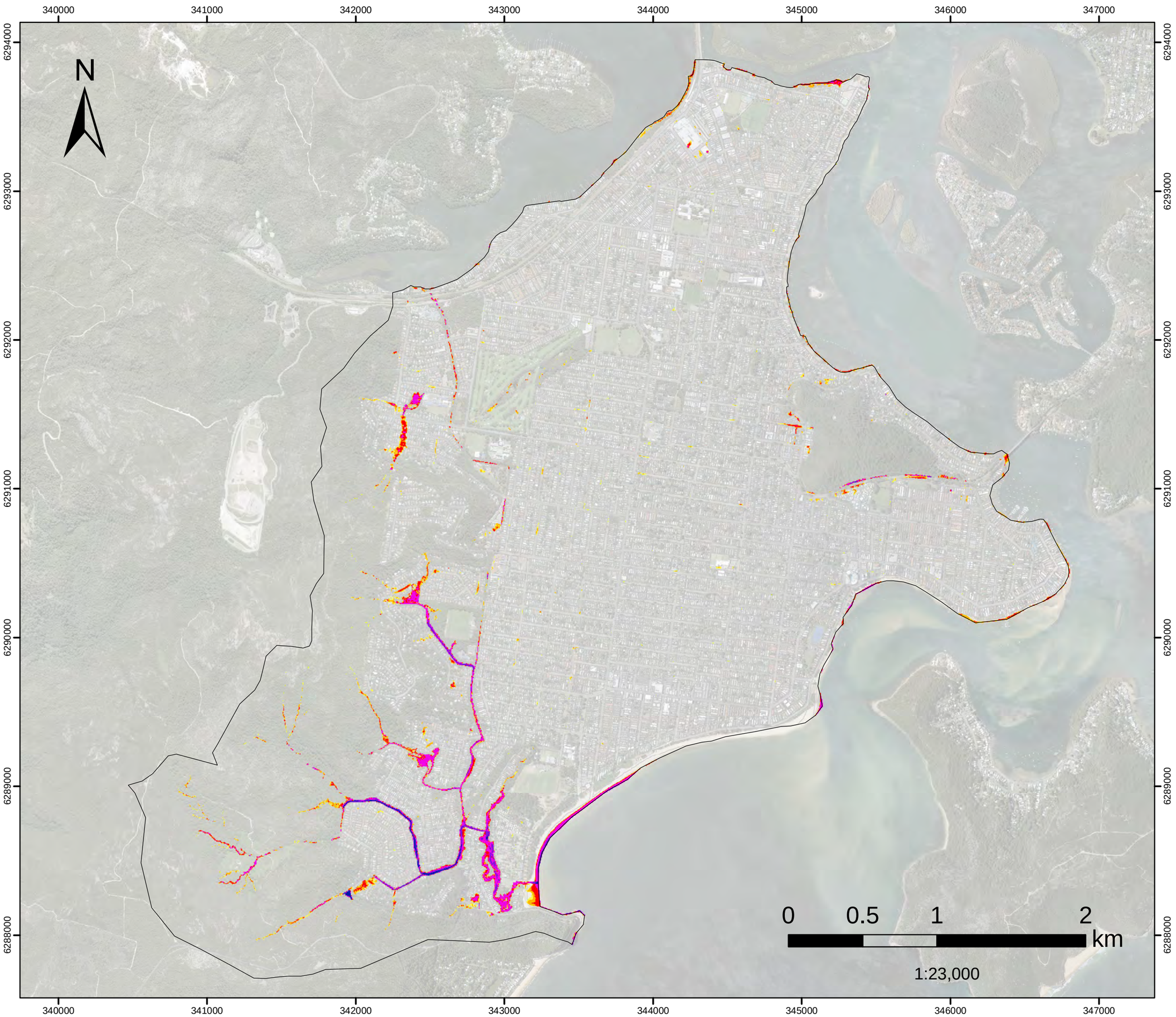

FIGURE L.34
20%AEP FM10

Neera Rd

Flood Depth

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 1hr

Model Domain

Flood Depth (m)

- < 0.15
- 0.16- 0.2
- 0.21 - 0.3
- 0.31 - 0.5
- 0.51 - 1
- 1.1 - 1.5
- >1.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

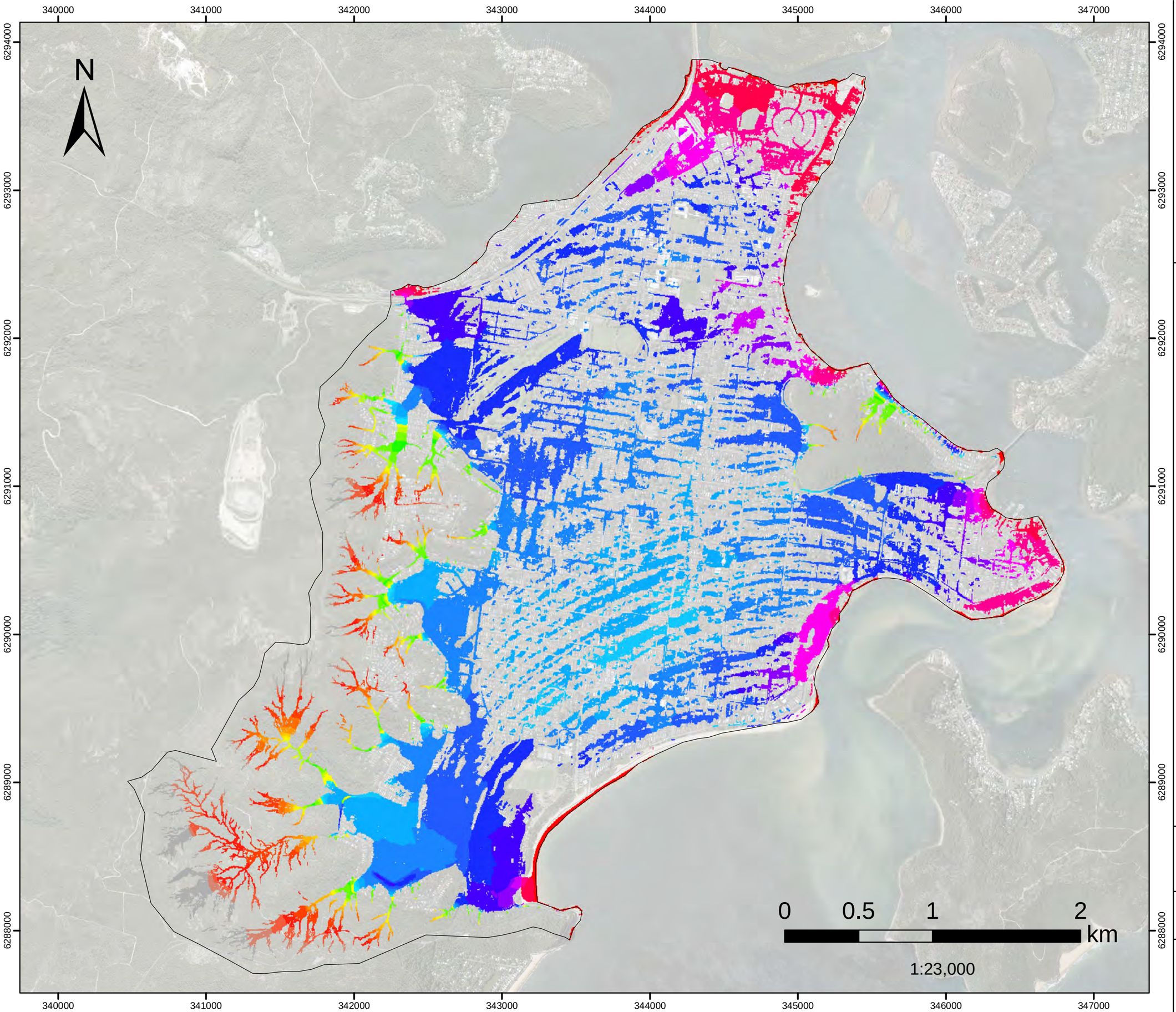

FIGURE L.35
PMF FM01
Woy Woy CBD
Flood Level

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.
Assessed for the critical duration 2hrs

Model Domain

Flood Level (mAHD)

- 0.7 - 1
- 1.1 - 1.5
- 1.6 - 2
- 2.1 - 2.5
- 2.6 - 3
- 3.1 - 3.5
- 3.6 - 4
- 4.1 - 4.5
- 4.6 - 5
- 5.1 - 5.5
- 5.6 - 6
- 6.1 - 6.5
- 6.6 - 7
- 7.1 - 7.5
- 7.6 - 8
- 8.1 - 9
- 9.1 - 10
- 10.1 - 20
- 20.1 - 30
- 30.1 - 40
- 40.1 - 50
- 50.1 - 60
- 60.1 - 70
- 70.1 - 80
- 80.1 - 90
- 90.1 - 100
- 100.1 - 110
- 110.1 - 120
- 120.1 - 130
- 130.1 - 140

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
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Project No	43803055

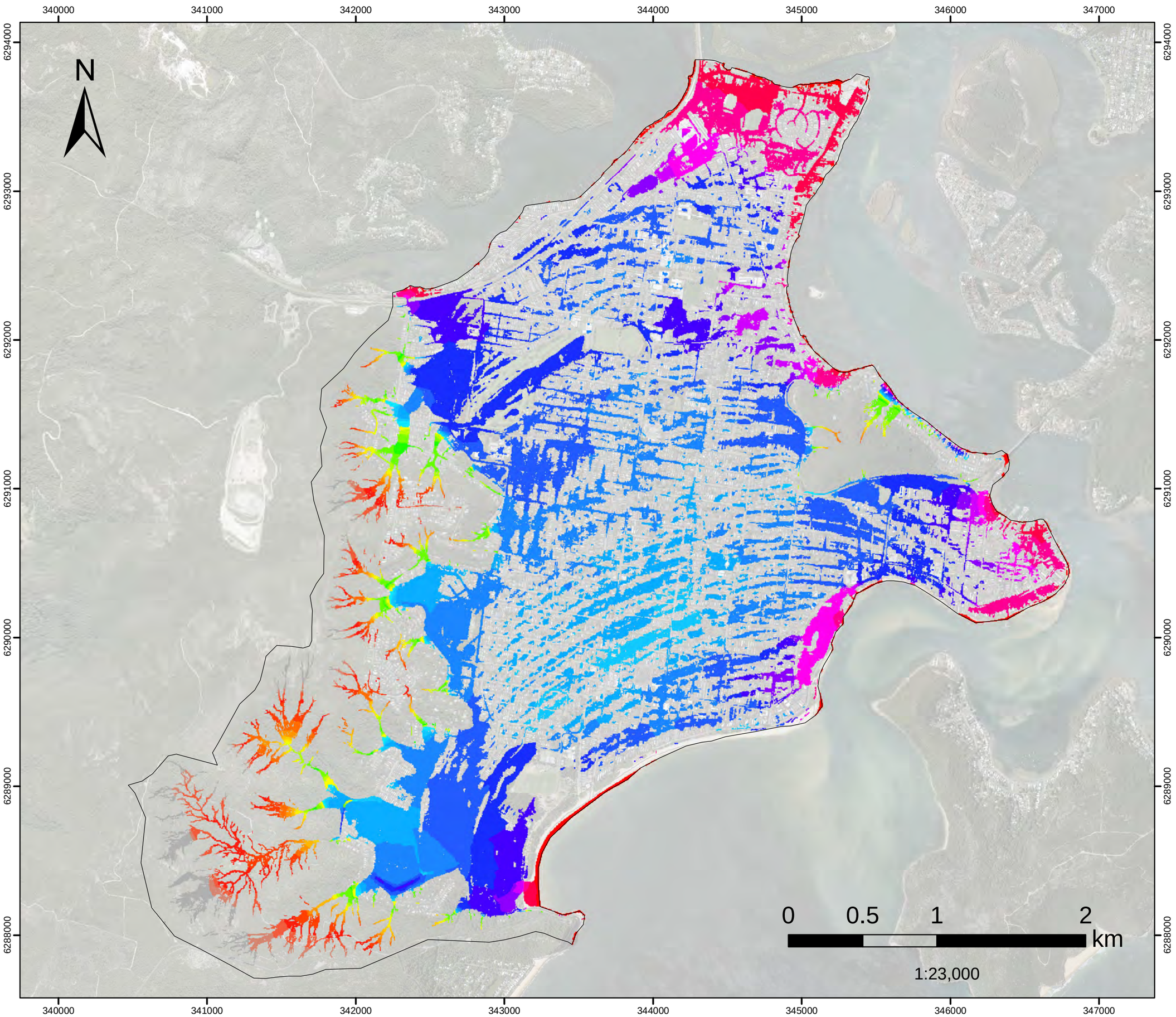

FIGURE L.36
PMF FM02

Dulkala Rd to Karingal Cl
Flood Level

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2. Assessed for the critical duration 2hrs

Model Domain

Flood Level (mAHD)

- 0.7 - 1
- 1.1 - 1.5
- 1.6 - 2
- 2.1 - 2.5
- 2.6 - 3
- 3.1 - 3.5
- 3.6 - 4
- 4.1 - 4.5
- 4.6 - 5
- 5.1 - 5.5
- 5.6 - 6
- 6.1 - 6.5
- 6.6 - 7
- 7.1 - 7.5
- 7.6 - 8
- 8.1 - 9
- 9.1 - 10
- 10.1 - 20
- 20.1 - 30
- 30.1 - 40
- 40.1 - 50
- 50.1 - 60
- 60.1 - 70
- 70.1 - 80
- 80.1 - 90
- 90.1 - 100
- 100.1 - 110
- 110.1 - 120
- 120.1 - 130
- 130.1 - 140

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
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Project No	43803055

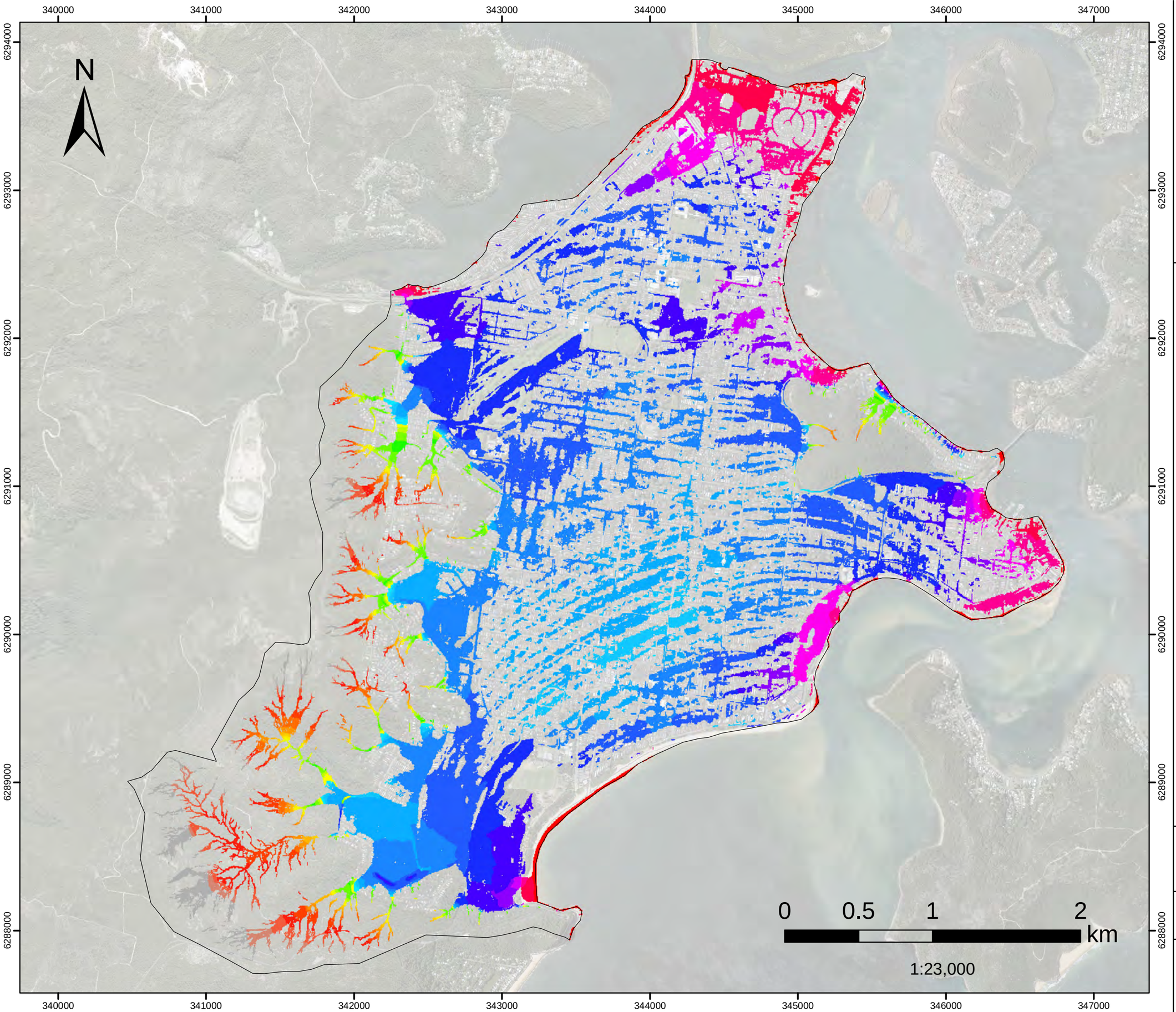

FIGURE L.37
PMF FM03
Infiltration Devices
Flood Level

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.
Assessed for the critical duration 2hrs

Model Domain

Flood Level (mAHD)

- 0.7 - 1
- 1.1 - 1.5
- 1.6 - 2
- 2.1 - 2.5
- 2.6 - 3
- 3.1 - 3.5
- 3.6 - 4
- 4.1 - 4.5
- 4.6 - 5
- 5.1 - 5.5
- 5.6 - 6
- 6.1 - 6.5
- 6.6 - 7
- 7.1 - 7.5
- 7.6 - 8
- 8.1 - 9
- 9.1 - 10
- 10.1 - 20
- 20.1 - 30
- 30.1 - 40
- 40.1 - 50
- 50.1 - 60
- 60.1 - 70
- 70.1 - 80
- 80.1 - 90
- 90.1 - 100
- 100.1 - 110
- 110.1 - 120
- 120.1 - 130
- 130.1 - 140

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

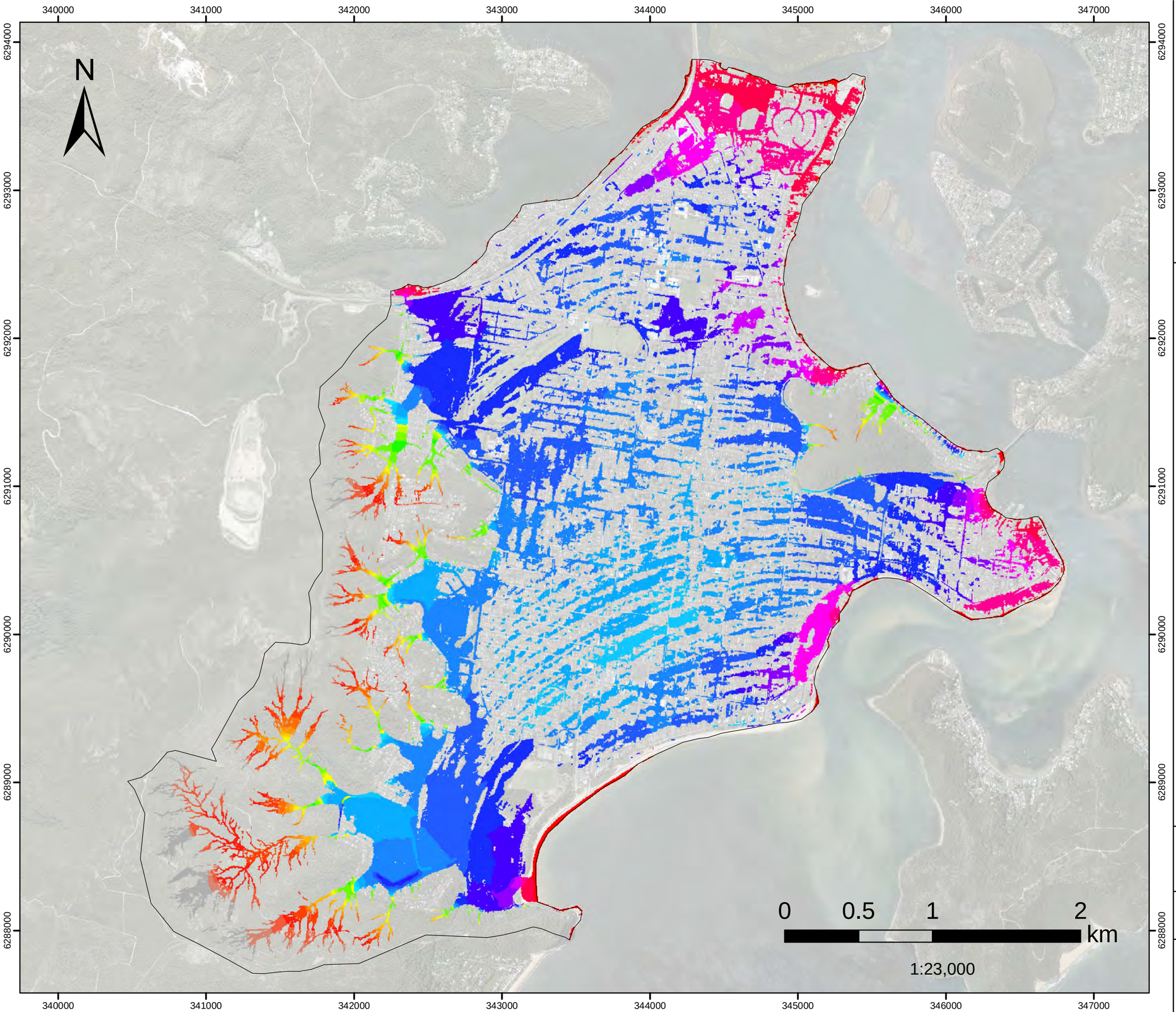

FIGURE L.38
PMF FM05
Greenhaven Dr
Flood Level

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.
Assessed for the critical duration 2hrs

Model Domain

Flood Level (mAHD)

- 0.7 - 1
- 1.1 - 1.5
- 1.6 - 2
- 2.1 - 2.5
- 2.6 - 3
- 3.1 - 3.5
- 3.6 - 4
- 4.1 - 4.5
- 4.6 - 5
- 5.1 - 5.5
- 5.6 - 6
- 6.1 - 6.5
- 6.6 - 7
- 7.1 - 7.5
- 7.6 - 8
- 8.1 - 9
- 9.1 - 10
- 10.1 - 20
- 20.1 - 30
- 30.1 - 40
- 40.1 - 50
- 50.1 - 60
- 60.1 - 70
- 70.1 - 80
- 80.1 - 90
- 90.1 - 100
- 100.1 - 110
- 110.1 - 120
- 120.1 - 130
- 130.1 - 140

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
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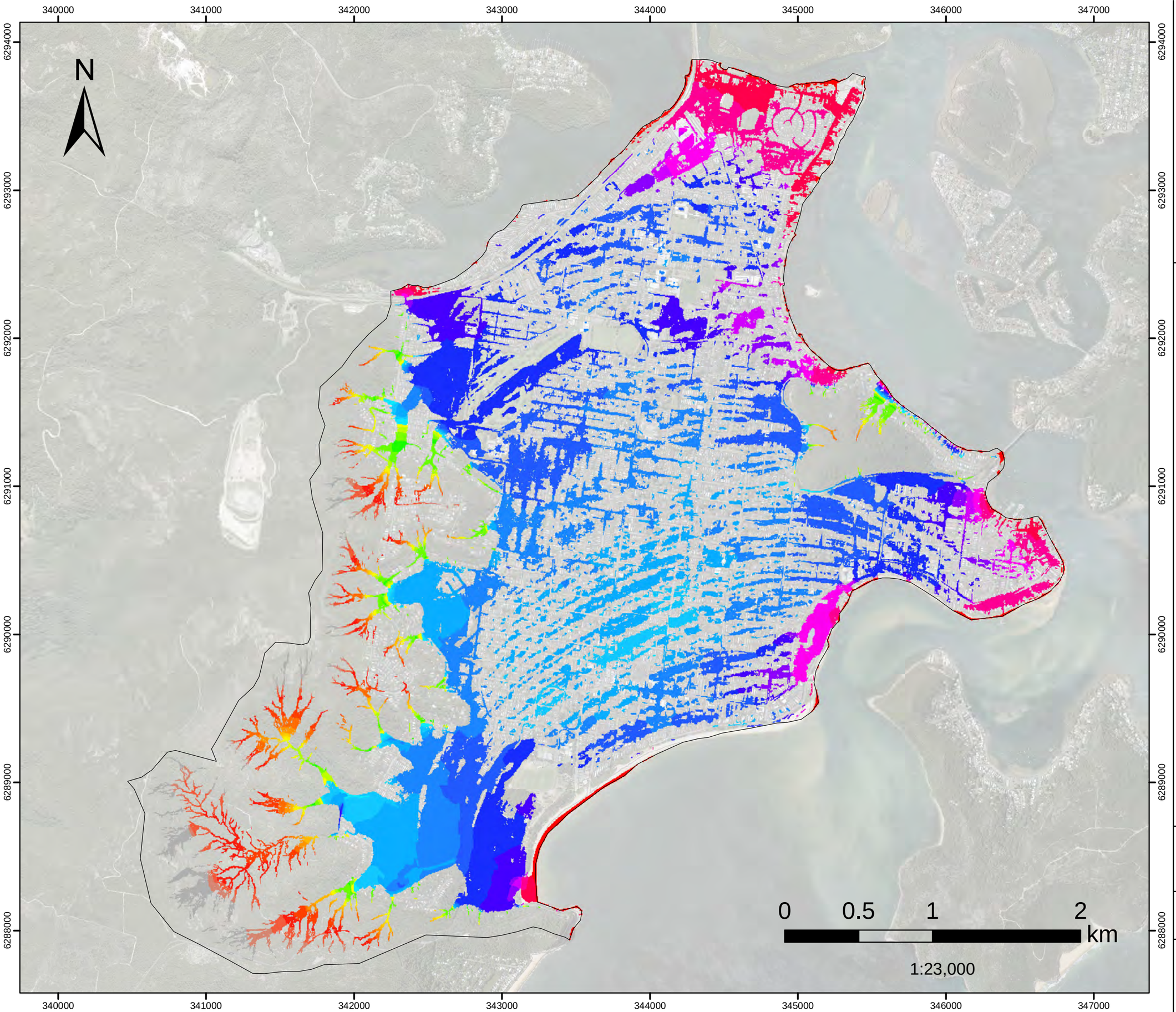

FIGURE L.39
PMF FM06A

Kahibah Ck system maintenance work

Flood Level

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2. Assessed for the critical duration 2hrs

Model Domain

Flood Level (mAHD)

- 0.7 - 1
- 1.1 - 1.5
- 1.6 - 2
- 2.1 - 2.5
- 2.6 - 3
- 3.1 - 3.5
- 3.6 - 4
- 4.1 - 4.5
- 4.6 - 5
- 5.1 - 5.5
- 5.6 - 6
- 6.1 - 6.5
- 6.6 - 7
- 7.1 - 7.5
- 7.6 - 8
- 8.1 - 9
- 9.1 - 10
- 10.1 - 20
- 20.1 - 30
- 30.1 - 40
- 40.1 - 50
- 50.1 - 60
- 60.1 - 70
- 70.1 - 80
- 80.1 - 90
- 90.1 - 100
- 100.1 - 110
- 110.1 - 120
- 120.1 - 130
- 130.1 - 140

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
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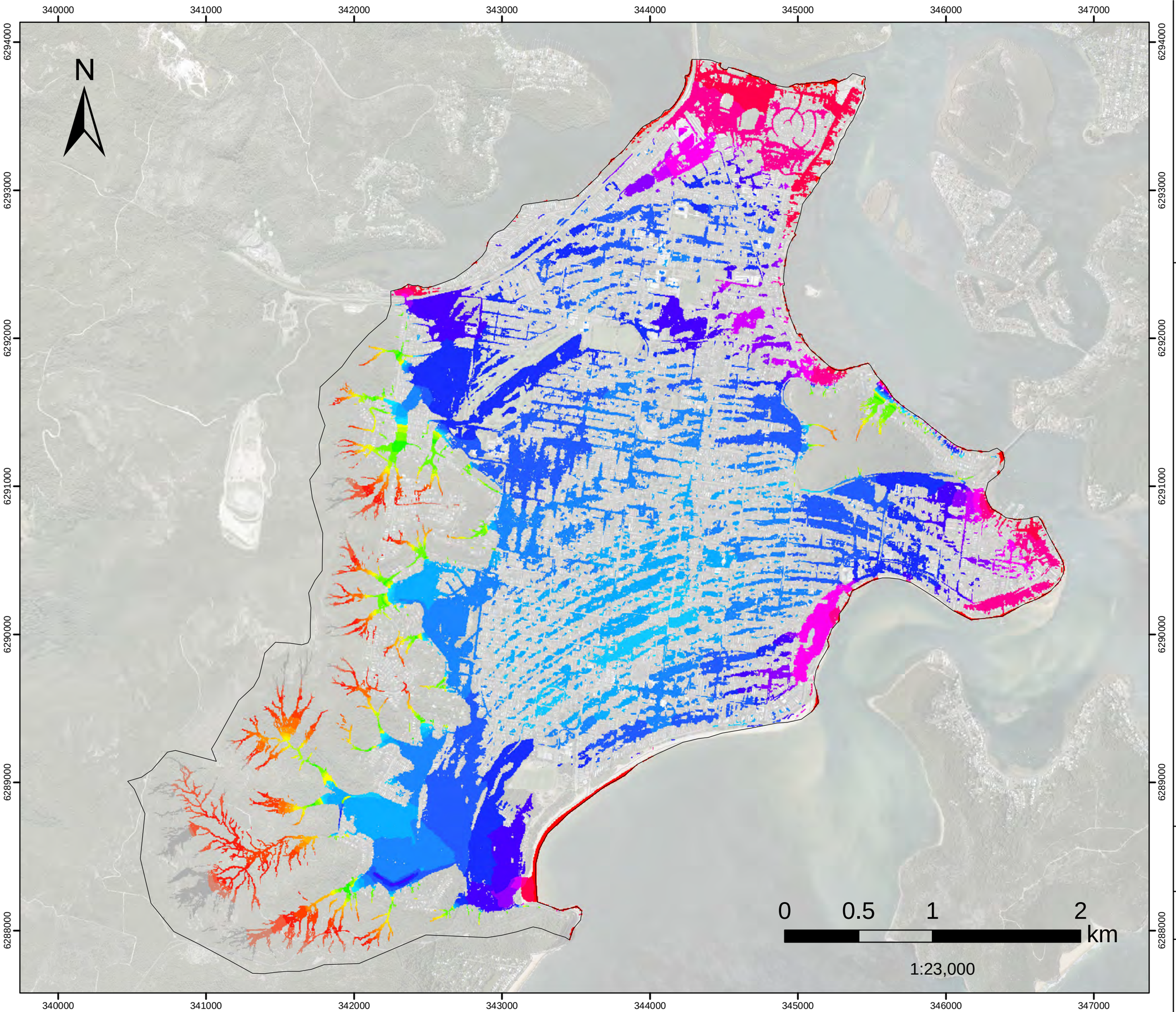

FIGURE L.40
PMF FM08

Palmtree Grove Detention Basin

Flood Level

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2. Assessed for the critical duration 2hrs

Model Domain

Flood Level (mAHD)

- 0.7 - 1
- 1.1 - 1.5
- 1.6 - 2
- 2.1 - 2.5
- 2.6 - 3
- 3.1 - 3.5
- 3.6 - 4
- 4.1 - 4.5
- 4.6 - 5
- 5.1 - 5.5
- 5.6 - 6
- 6.1 - 6.5
- 6.6 - 7
- 7.1 - 7.5
- 7.6 - 8
- 8.1 - 9
- 9.1 - 10
- 10.1 - 20
- 20.1 - 30
- 30.1 - 40
- 40.1 - 50
- 50.1 - 60
- 60.1 - 70
- 70.1 - 80
- 80.1 - 90
- 90.1 - 100
- 100.1 - 110
- 110.1 - 120
- 120.1 - 130
- 130.1 - 140

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

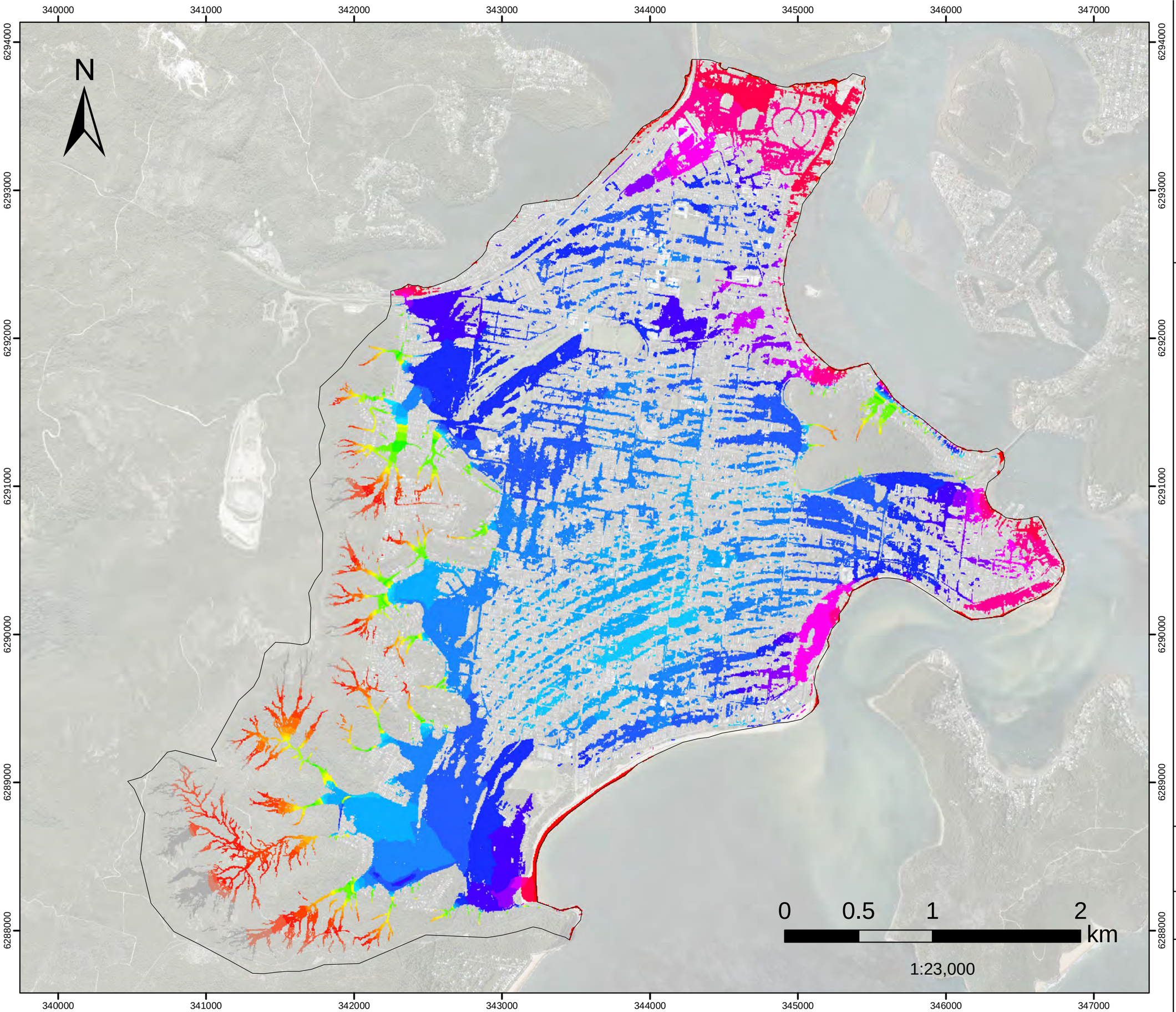

FIGURE L.41
PMF FM10

Neera Rd

Flood Level

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.
Assessed for the critical duration 2hrs

Model Domain

Flood Level (mAHD)

- 0.7 - 1
- 1.1 - 1.5
- 1.6 - 2
- 2.1 - 2.5
- 2.6 - 3
- 3.1 - 3.5
- 3.6 - 4
- 4.1 - 4.5
- 4.6 - 5
- 5.1 - 5.5
- 5.6 - 6
- 6.1 - 6.5
- 6.6 - 7
- 7.1 - 7.5
- 7.6 - 8
- 8.1 - 9
- 9.1 - 10
- 10.1 - 20
- 20.1 - 30
- 30.1 - 40
- 40.1 - 50
- 50.1 - 60
- 60.1 - 70
- 70.1 - 80
- 80.1 - 90
- 90.1 - 100
- 100.1 - 110
- 110.1 - 120
- 120.1 - 130
- 130.1 - 140

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

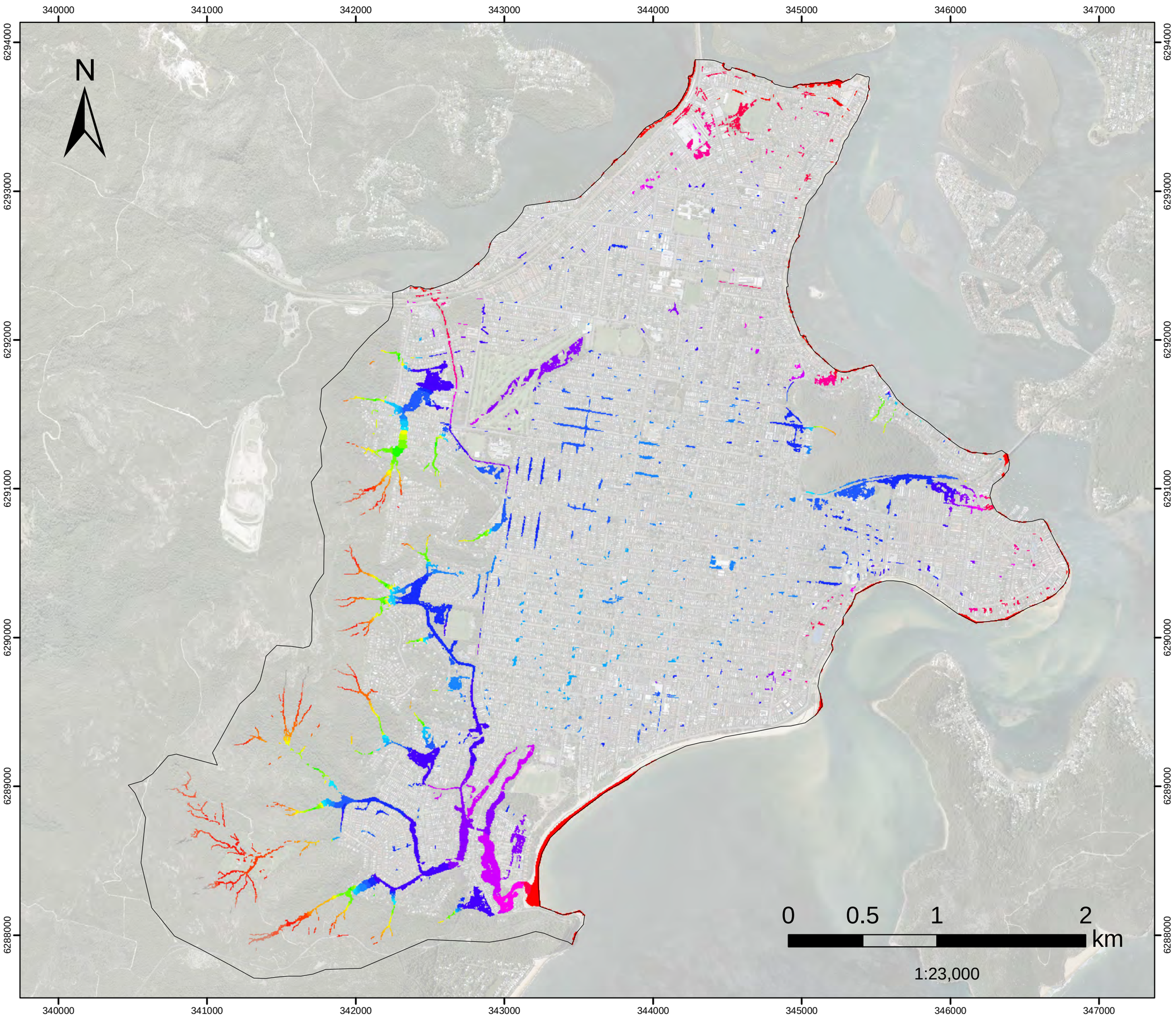

FIGURE L.42
1%AEP FM01

Woy Woy CBD

Flood Level

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.
Assessed for the critical duration 6hrs

Model Domain

Flood Level (mAHD)

- 0.7 - 1
- 1.1 - 1.5
- 1.6 - 2
- 2.1 - 2.5
- 2.6 - 3
- 3.1 - 3.5
- 3.6 - 4
- 4.1 - 4.5
- 4.6 - 5
- 5.1 - 5.5
- 5.6 - 6
- 6.1 - 6.5
- 6.6 - 7
- 7.1 - 7.5
- 7.6 - 8
- 8.1 - 9
- 9.1 - 10
- 10.1 - 20
- 20.1 - 30
- 30.1 - 40
- 40.1 - 50
- 50.1 - 60
- 60.1 - 70
- 70.1 - 80
- 80.1 - 90
- 90.1 - 100
- 100.1 - 110
- 110.1 - 120
- 120.1 - 130
- 130.1 - 140

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

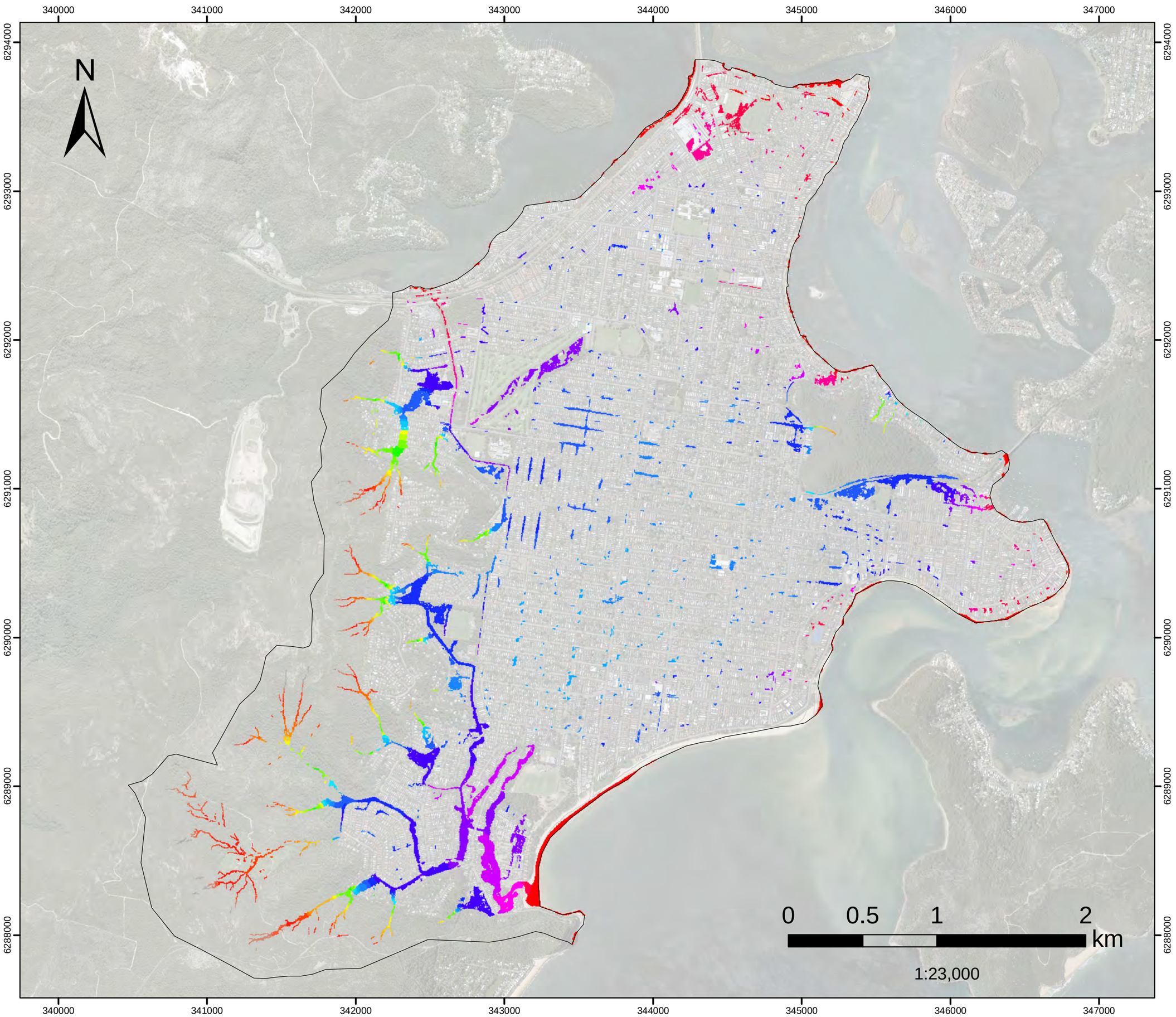

FIGURE L.43
1%AEP FM02

Dulkala Rd to Karingal Cl

Flood Level

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.
Assessed for the critical duration 6hrs

Model Domain

Flood Level (mAHD)

- 0.7 - 1
- 1.1 - 1.5
- 1.6 - 2
- 2.1 - 2.5
- 2.6 - 3
- 3.1 - 3.5
- 3.6 - 4
- 4.1 - 4.5
- 4.6 - 5
- 5.1 - 5.5
- 5.6 - 6
- 6.1 - 6.5
- 6.6 - 7
- 7.1 - 7.5
- 7.6 - 8
- 8.1 - 9
- 9.1 - 10
- 10.1 - 20
- 20.1 - 30
- 30.1 - 40
- 40.1 - 50
- 50.1 - 60
- 60.1 - 70
- 70.1 - 80
- 80.1 - 90
- 90.1 - 100
- 100.1 - 110
- 110.1 - 120
- 120.1 - 130
- 130.1 - 140

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

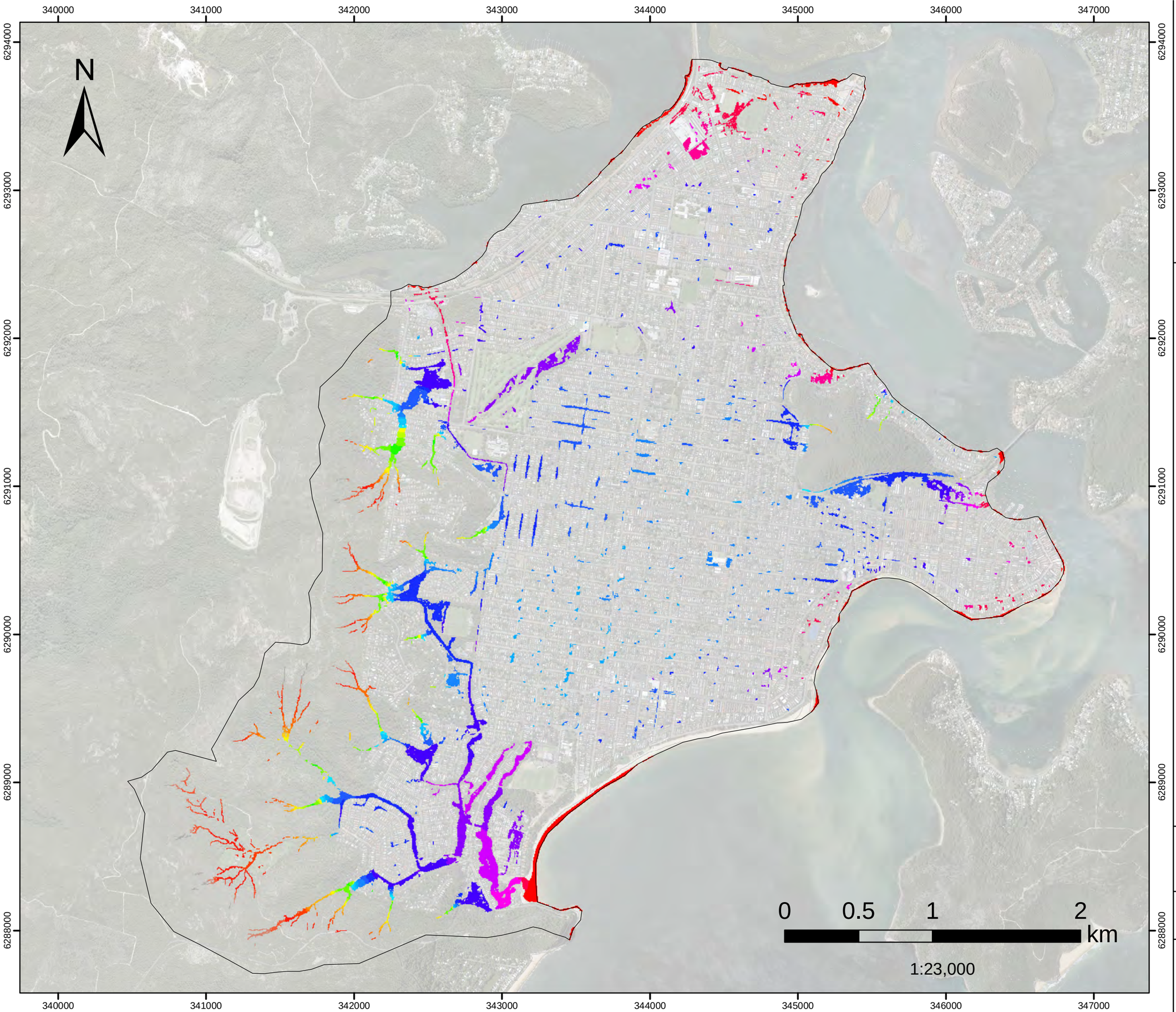

FIGURE L.44
1%AEP FM03

Infiltration Devices

Flood Level

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.
Assessed for the critical duration 6hrs

Model Domain

Flood Level (mAHD)

- 0.7 - 1
- 1.1 - 1.5
- 1.6 - 2
- 2.1 - 2.5
- 2.6 - 3
- 3.1 - 3.5
- 3.6 - 4
- 4.1 - 4.5
- 4.6 - 5
- 5.1 - 5.5
- 5.6 - 6
- 6.1 - 6.5
- 6.6 - 7
- 7.1 - 7.5
- 7.6 - 8
- 8.1 - 9
- 9.1 - 10
- 10.1 - 20
- 20.1 - 30
- 30.1 - 40
- 40.1 - 50
- 50.1 - 60
- 60.1 - 70
- 70.1 - 80
- 80.1 - 90
- 90.1 - 100
- 100.1 - 110
- 110.1 - 120
- 120.1 - 130
- 130.1 - 140

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

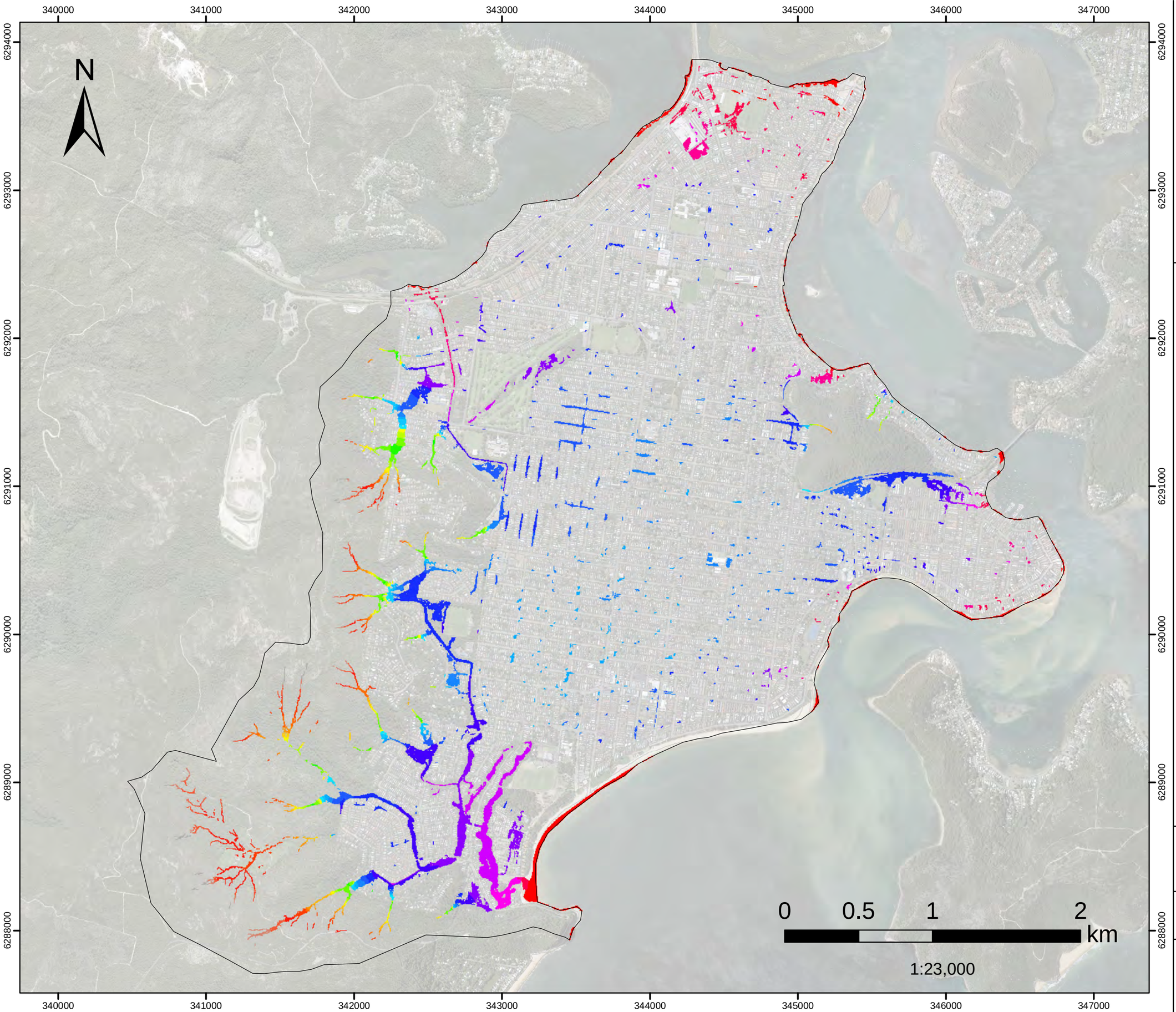

FIGURE L.45
1%AEP FM04

Groundwater pumping and Everglades drainage update work

Flood Level

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2. Assessed for the critical duration 6hrs

Model Domain

Flood Level (mAHD)

- 0.7 - 1
- 1.1 - 1.5
- 1.6 - 2
- 2.1 - 2.5
- 2.6 - 3
- 3.1 - 3.5
- 3.6 - 4
- 4.1 - 4.5
- 4.6 - 5
- 5.1 - 5.5
- 5.6 - 6
- 6.1 - 6.5
- 6.6 - 7
- 7.1 - 7.5
- 7.6 - 8
- 8.1 - 9
- 9.1 - 10
- 10.1 - 20
- 20.1 - 30
- 30.1 - 40
- 40.1 - 50
- 50.1 - 60
- 60.1 - 70
- 70.1 - 80
- 80.1 - 90
- 90.1 - 100
- 100.1 - 110
- 110.1 - 120
- 120.1 - 130
- 130.1 - 140

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
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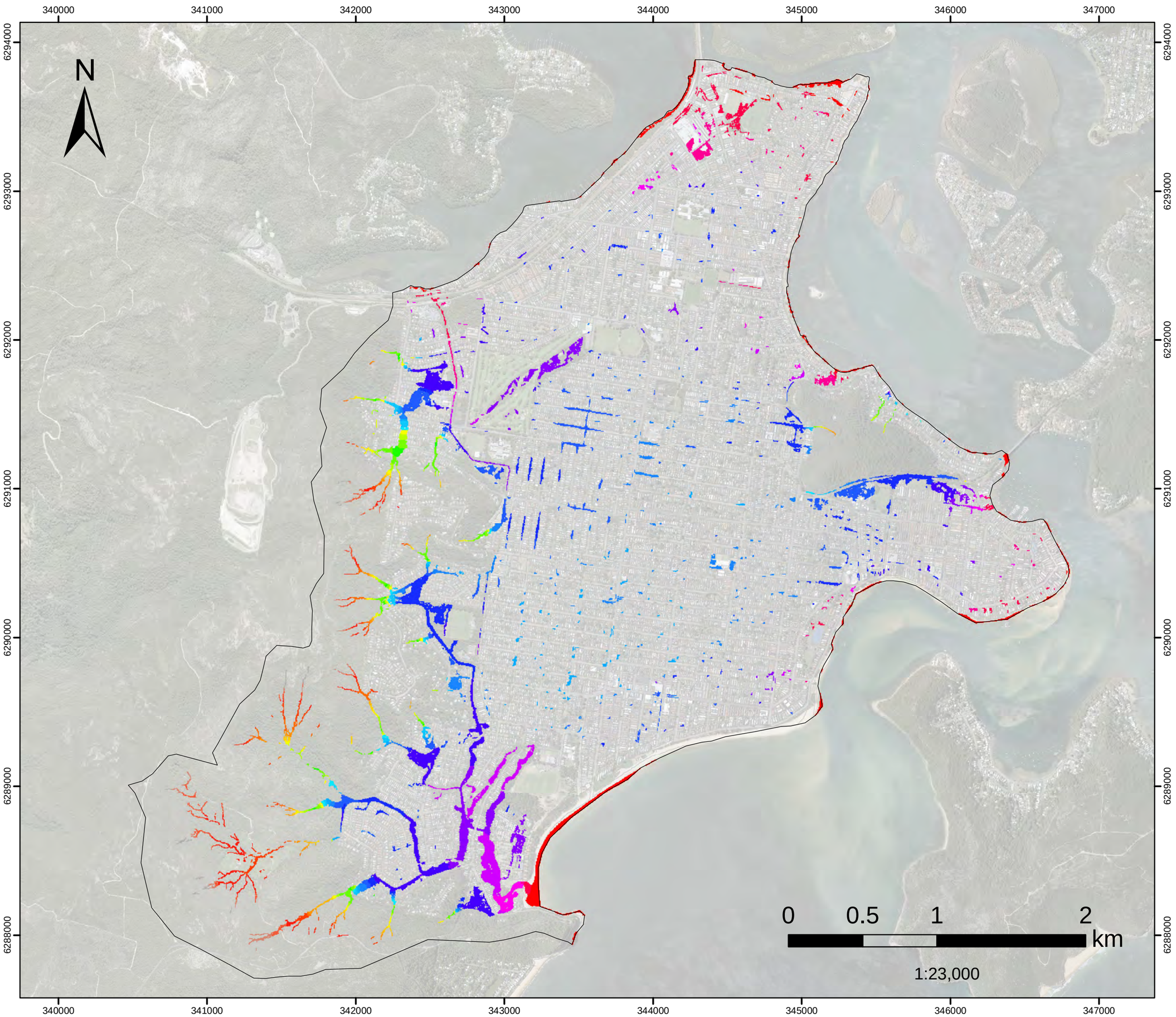

FIGURE L.46
1%AEP FM05

Greenhaven Dr

Flood Level

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.
Assessed for the critical duration 6hrs

Model Domain

Flood Level (mAHD)

- 0.7 - 1
- 1.1 - 1.5
- 1.6 - 2
- 2.1 - 2.5
- 2.6 - 3
- 3.1 - 3.5
- 3.6 - 4
- 4.1 - 4.5
- 4.6 - 5
- 5.1 - 5.5
- 5.6 - 6
- 6.1 - 6.5
- 6.6 - 7
- 7.1 - 7.5
- 7.6 - 8
- 8.1 - 9
- 9.1 - 10
- 10.1 - 20
- 20.1 - 30
- 30.1 - 40
- 40.1 - 50
- 50.1 - 60
- 60.1 - 70
- 70.1 - 80
- 80.1 - 90
- 90.1 - 100
- 100.1 - 110
- 110.1 - 120
- 120.1 - 130
- 130.1 - 140

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
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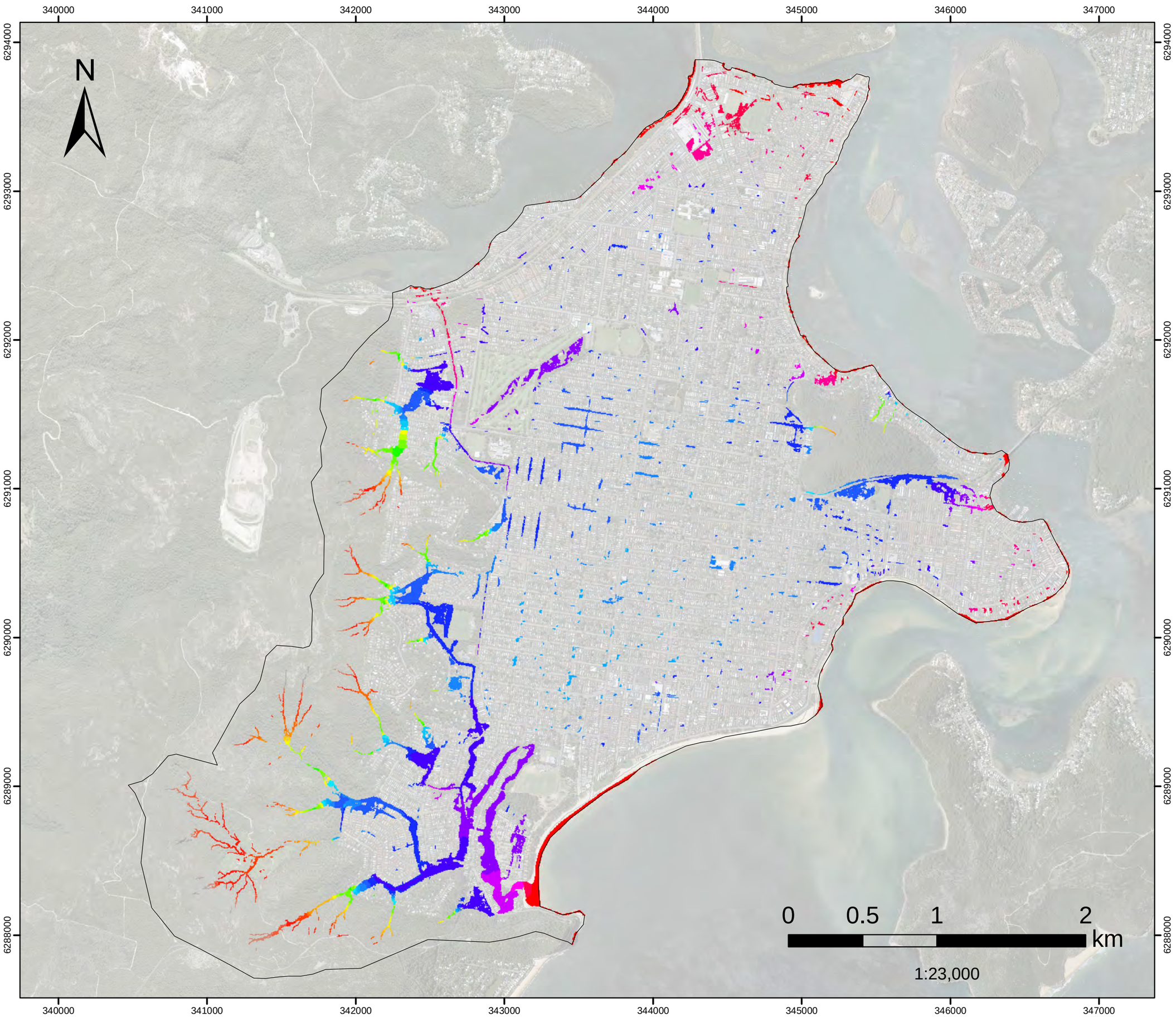

FIGURE L.47
1%AEP FM06A

Kahibah Ck system maintenance work

Flood Level

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2. Assessed for the critical duration 6hrs

Model Domain

Flood Level (mAHD)

- 0.7 - 1
- 1.1 - 1.5
- 1.6 - 2
- 2.1 - 2.5
- 2.6 - 3
- 3.1 - 3.5
- 3.6 - 4
- 4.1 - 4.5
- 4.6 - 5
- 5.1 - 5.5
- 5.6 - 6
- 6.1 - 6.5
- 6.6 - 7
- 7.1 - 7.5
- 7.6 - 8
- 8.1 - 9
- 9.1 - 10
- 10.1 - 20
- 20.1 - 30
- 30.1 - 40
- 40.1 - 50
- 50.1 - 60
- 60.1 - 70
- 70.1 - 80
- 80.1 - 90
- 90.1 - 100
- 100.1 - 110
- 110.1 - 120
- 120.1 - 130
- 130.1 - 140

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

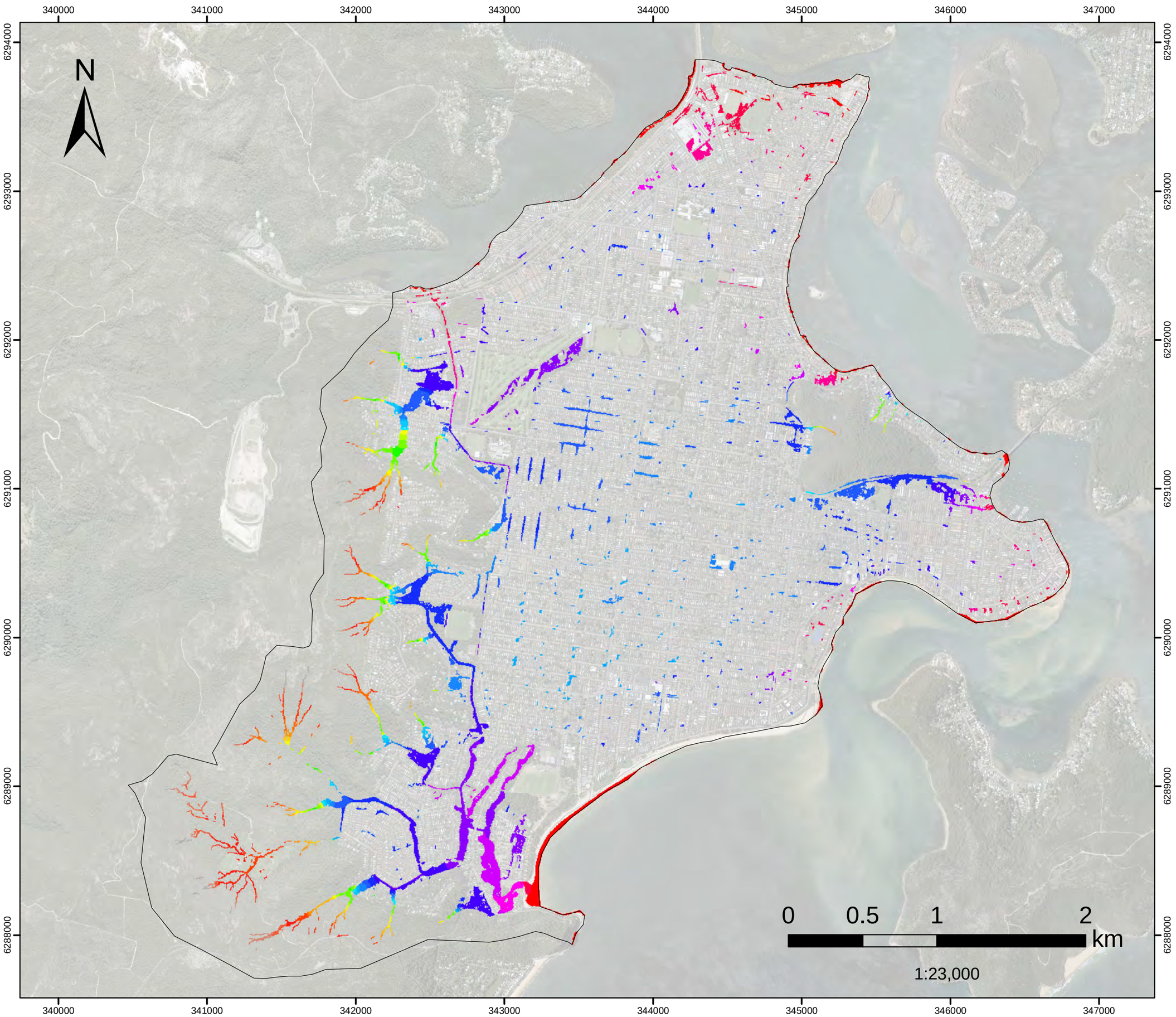

FIGURE L.48
1%AEP FM06B

Further improvement of the Kahibah Creek system maintenance work

Flood Level

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2. Assessed for the critical duration 6hrs

Model Domain

Flood Level (mAHD)

- 0.7 - 1
- 1.1 - 1.5
- 1.6 - 2
- 2.1 - 2.5
- 2.6 - 3
- 3.1 - 3.5
- 3.6 - 4
- 4.1 - 4.5
- 4.6 - 5
- 5.1 - 5.5
- 5.6 - 6
- 6.1 - 6.5
- 6.6 - 7
- 7.1 - 7.5
- 7.6 - 8
- 8.1 - 9
- 9.1 - 10
- 10.1 - 20
- 20.1 - 30
- 30.1 - 40
- 40.1 - 50
- 50.1 - 60
- 60.1 - 70
- 70.1 - 80
- 80.1 - 90
- 90.1 - 100
- 100.1 - 110
- 110.1 - 120
- 120.1 - 130
- 130.1 - 140

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

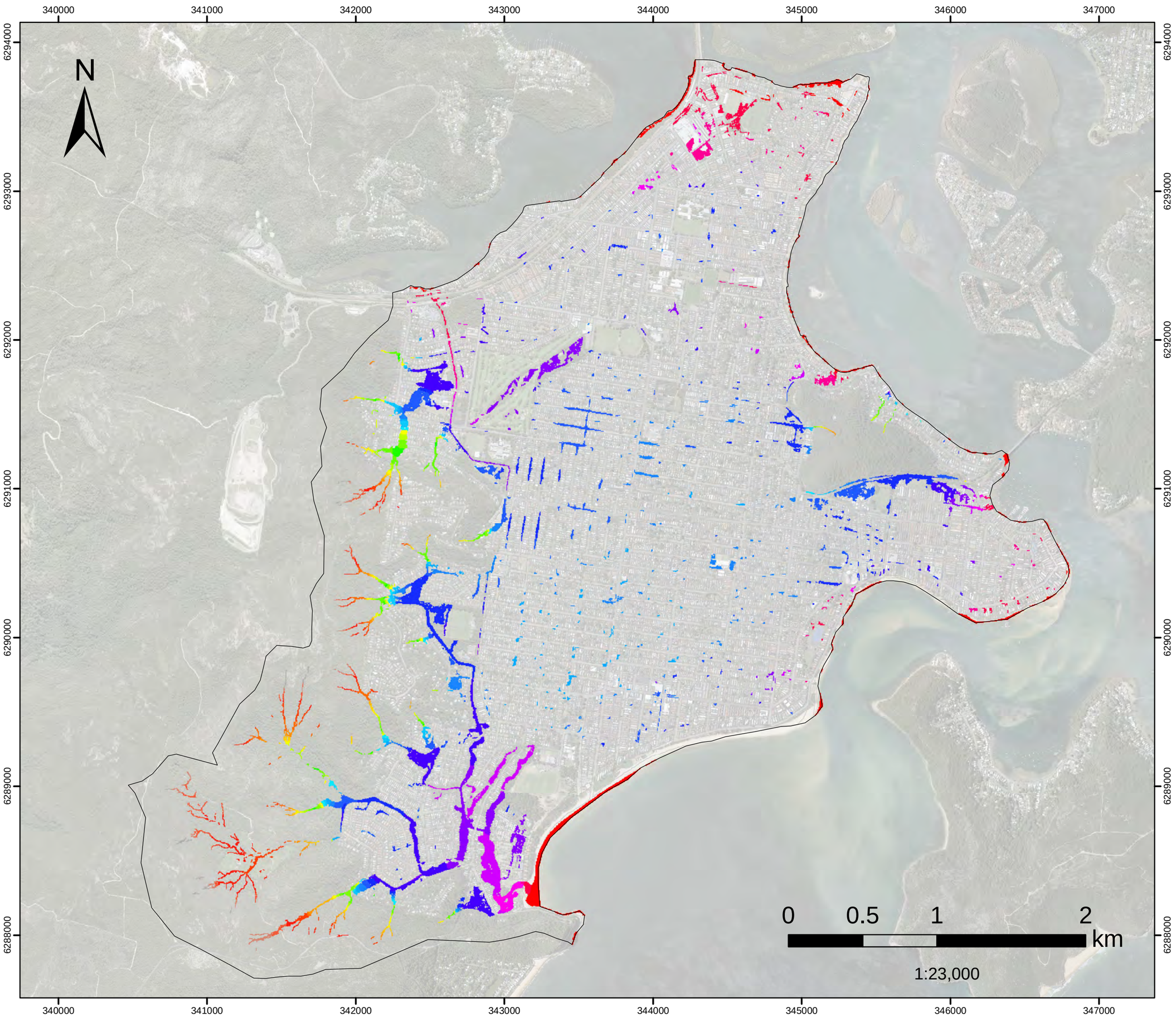

FIGURE L.49
1%AEP FM08
Palmtree Grove Detention Basin
Flood Level

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.
Assessed for the critical duration 6hrs

Model Domain

Flood Level (mAHD)

- 0.7 - 1
- 1.1 - 1.5
- 1.6 - 2
- 2.1 - 2.5
- 2.6 - 3
- 3.1 - 3.5
- 3.6 - 4
- 4.1 - 4.5
- 4.6 - 5
- 5.1 - 5.5
- 5.6 - 6
- 6.1 - 6.5
- 6.6 - 7
- 7.1 - 7.5
- 7.6 - 8
- 8.1 - 9
- 9.1 - 10
- 10.1 - 20
- 20.1 - 30
- 30.1 - 40
- 40.1 - 50
- 50.1 - 60
- 60.1 - 70
- 70.1 - 80
- 80.1 - 90
- 90.1 - 100
- 100.1 - 110
- 110.1 - 120
- 120.1 - 130
- 130.1 - 140

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
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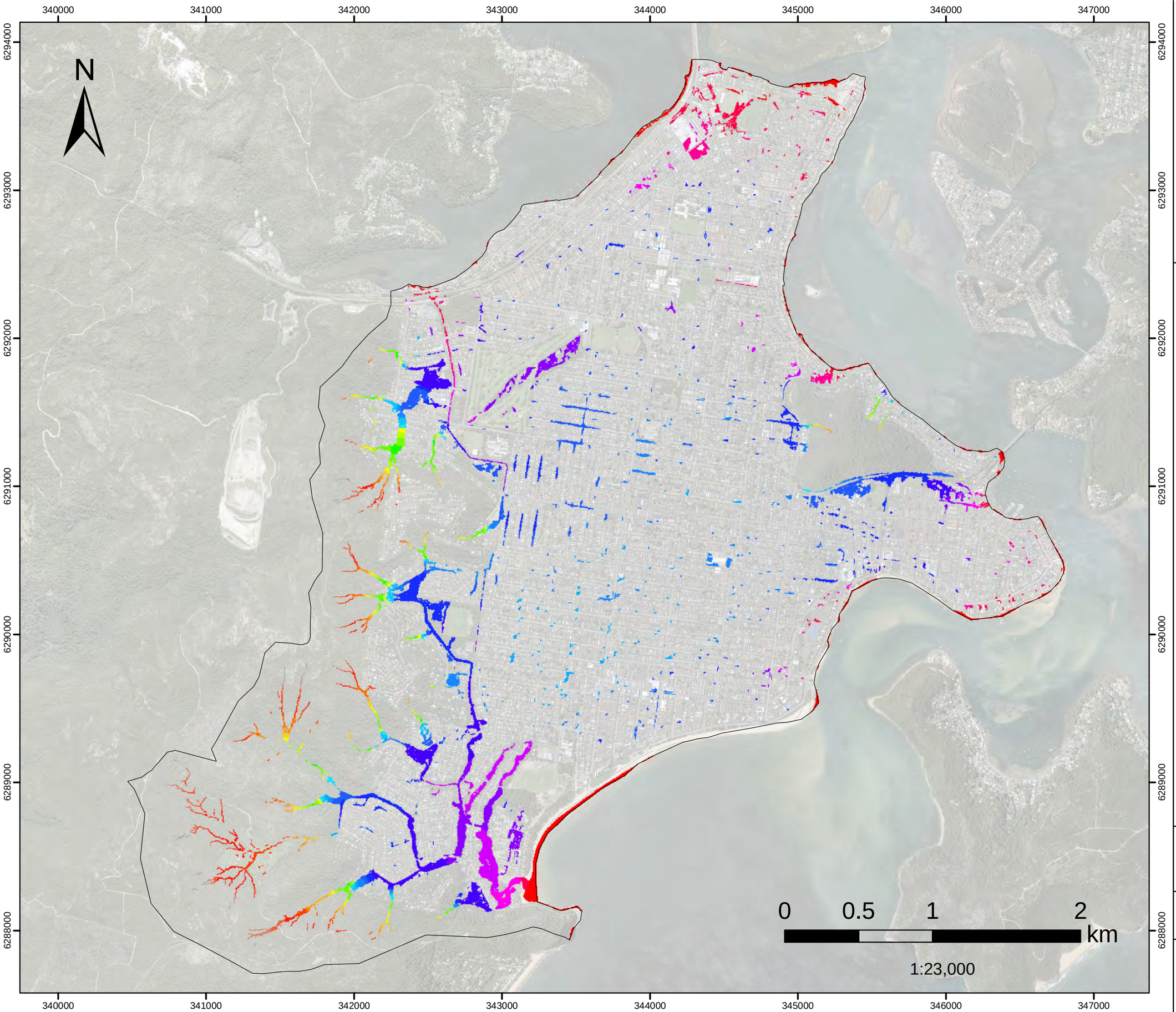

FIGURE L.50
1%AEP FM09

Wilks Av and McManus Cl

Flood Level

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2. Assessed for the critical duration 6hrs

Model Domain

Flood Level (mAHD)

- 0.7 - 1
- 1.1 - 1.5
- 1.6 - 2
- 2.1 - 2.5
- 2.6 - 3
- 3.1 - 3.5
- 3.6 - 4
- 4.1 - 4.5
- 4.6 - 5
- 5.1 - 5.5
- 5.6 - 6
- 6.1 - 6.5
- 6.6 - 7
- 7.1 - 7.5
- 7.6 - 8
- 8.1 - 9
- 9.1 - 10
- 10.1 - 20
- 20.1 - 30
- 30.1 - 40
- 40.1 - 50
- 50.1 - 60
- 60.1 - 70
- 70.1 - 80
- 80.1 - 90
- 90.1 - 100
- 100.1 - 110
- 110.1 - 120
- 120.1 - 130
- 130.1 - 140

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
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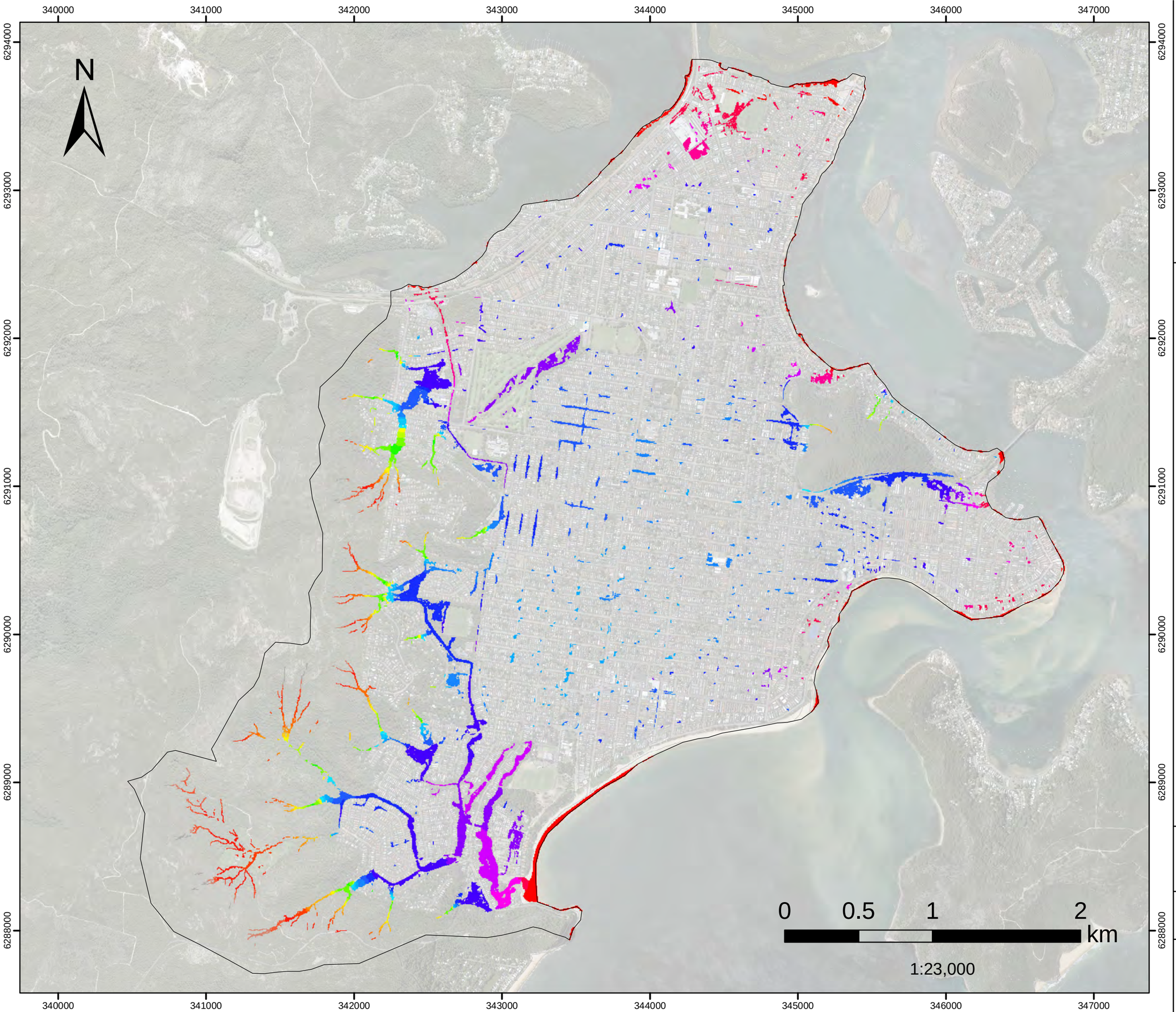

FIGURE L.51
1%AEP FM10

Neera Rd

Flood Level

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.
Assessed for the critical duration 6hrs

Model Domain

Flood Level (mAHD)

- 0.7 - 1
- 1.1 - 1.5
- 1.6 - 2
- 2.1 - 2.5
- 2.6 - 3
- 3.1 - 3.5
- 3.6 - 4
- 4.1 - 4.5
- 4.6 - 5
- 5.1 - 5.5
- 5.6 - 6
- 6.1 - 6.5
- 6.6 - 7
- 7.1 - 7.5
- 7.6 - 8
- 8.1 - 9
- 9.1 - 10
- 10.1 - 20
- 20.1 - 30
- 30.1 - 40
- 40.1 - 50
- 50.1 - 60
- 60.1 - 70
- 70.1 - 80
- 80.1 - 90
- 90.1 - 100
- 100.1 - 110
- 110.1 - 120
- 120.1 - 130
- 130.1 - 140

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

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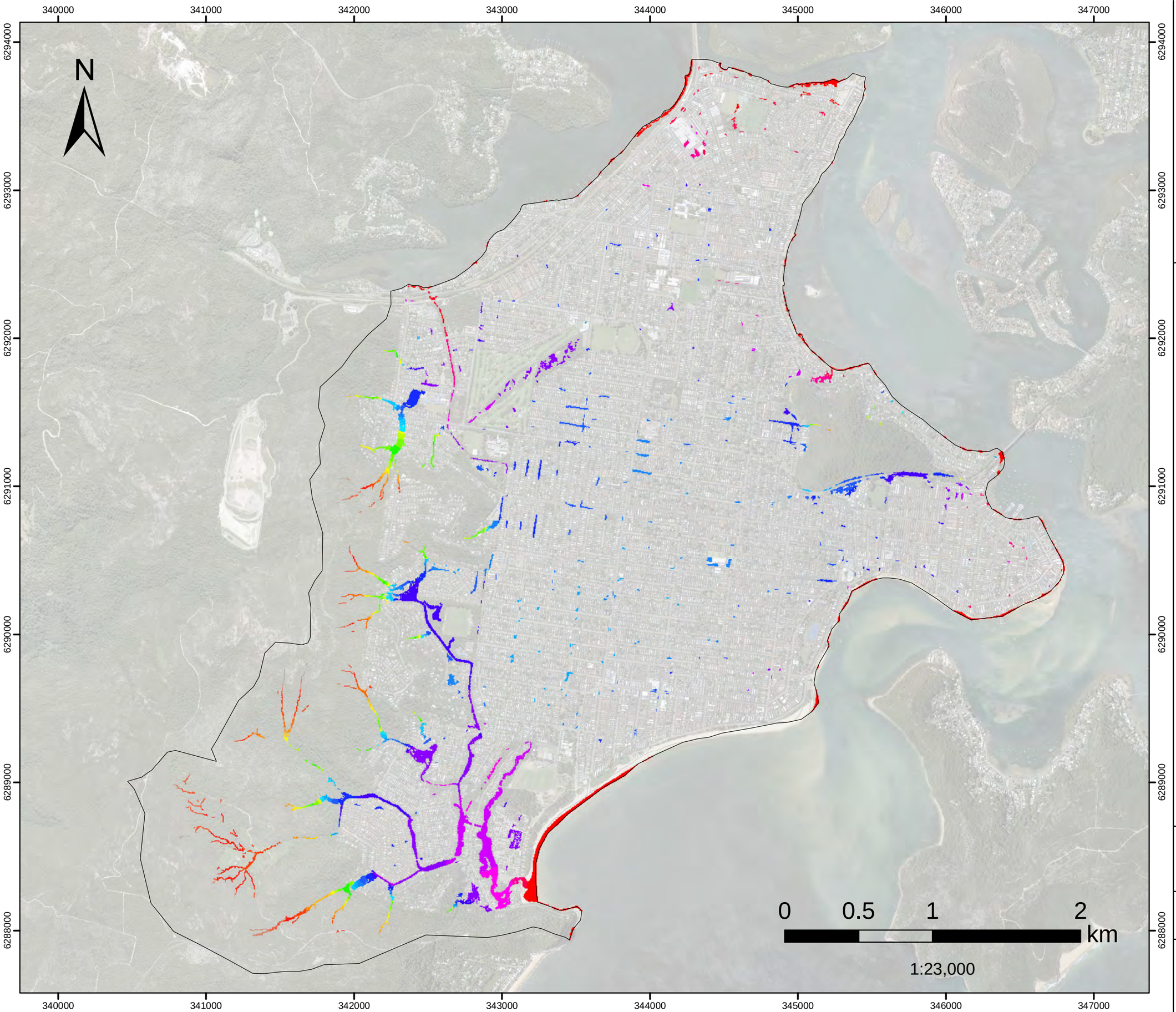

FIGURE L.52
10%AEP FM01

Woy Woy CBD

Flood Level

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.
Assessed for the critical duration 3hrs

Model Domain

Flood Level (mAHD)

- 0.7 - 1
- 1.1 - 1.5
- 1.6 - 2
- 2.1 - 2.5
- 2.6 - 3
- 3.1 - 3.5
- 3.6 - 4
- 4.1 - 4.5
- 4.6 - 5
- 5.1 - 5.5
- 5.6 - 6
- 6.1 - 6.5
- 6.6 - 7
- 7.1 - 7.5
- 7.6 - 8
- 8.1 - 9
- 9.1 - 10
- 10.1 - 20
- 20.1 - 30
- 30.1 - 40
- 40.1 - 50
- 50.1 - 60
- 60.1 - 70
- 70.1 - 80
- 80.1 - 90
- 90.1 - 100
- 100.1 - 110
- 110.1 - 120
- 120.1 - 130
- 130.1 - 140

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
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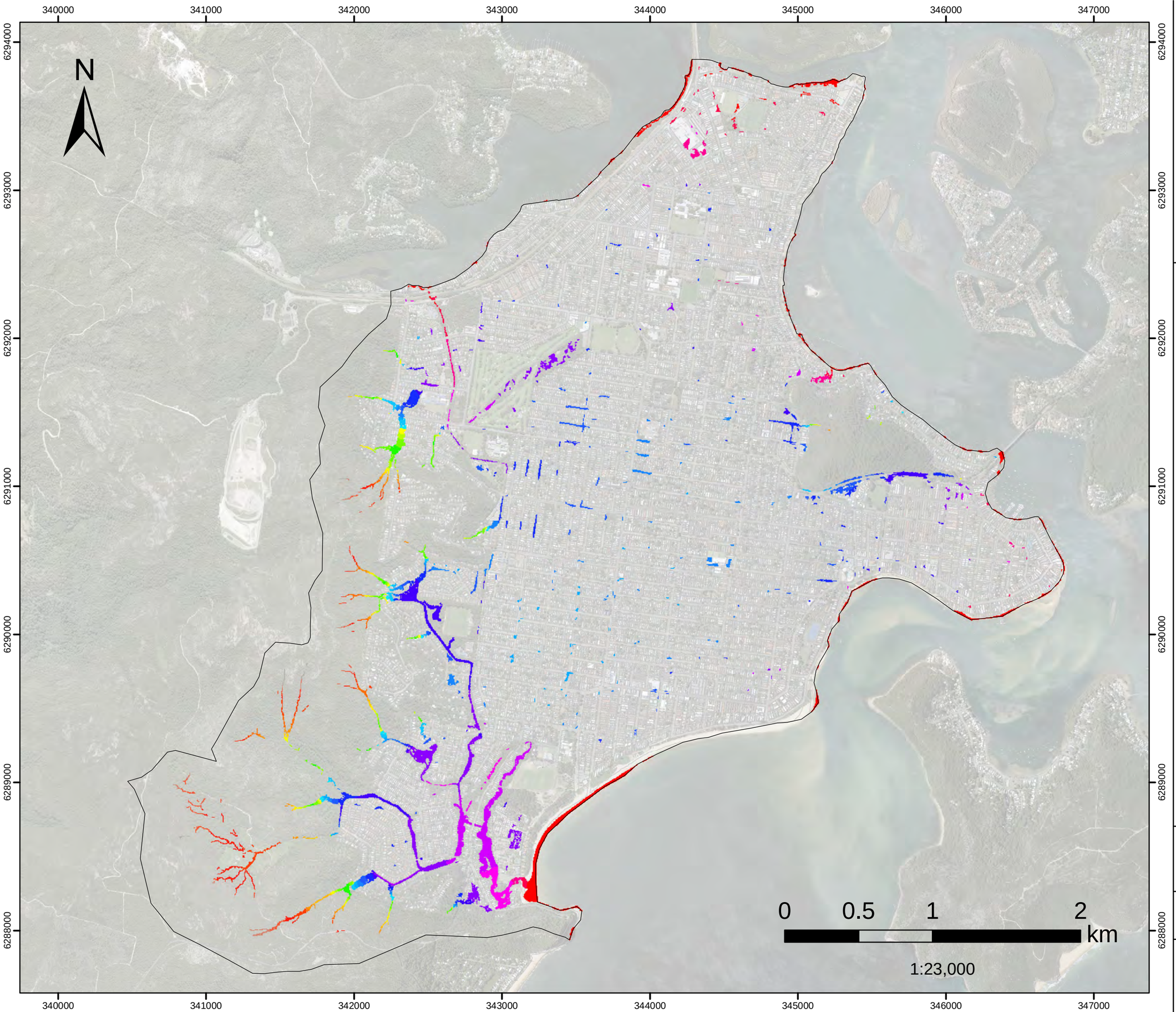

FIGURE L.53
10%AEP FM02

Dulkala Rd to Karingal Cl

Flood Level

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2. Assessed for the critical duration 3hrs

Model Domain

Flood Level (mAHD)

- 0.7 - 1
- 1.1 - 1.5
- 1.6 - 2
- 2.1 - 2.5
- 2.6 - 3
- 3.1 - 3.5
- 3.6 - 4
- 4.1 - 4.5
- 4.6 - 5
- 5.1 - 5.5
- 5.6 - 6
- 6.1 - 6.5
- 6.6 - 7
- 7.1 - 7.5
- 7.6 - 8
- 8.1 - 9
- 9.1 - 10
- 10.1 - 20
- 20.1 - 30
- 30.1 - 40
- 40.1 - 50
- 50.1 - 60
- 60.1 - 70
- 70.1 - 80
- 80.1 - 90
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- 110.1 - 120
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Datum Projection: GDA 1994 MGA Zone 56
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Woy Woy
Flood Risk Management Study

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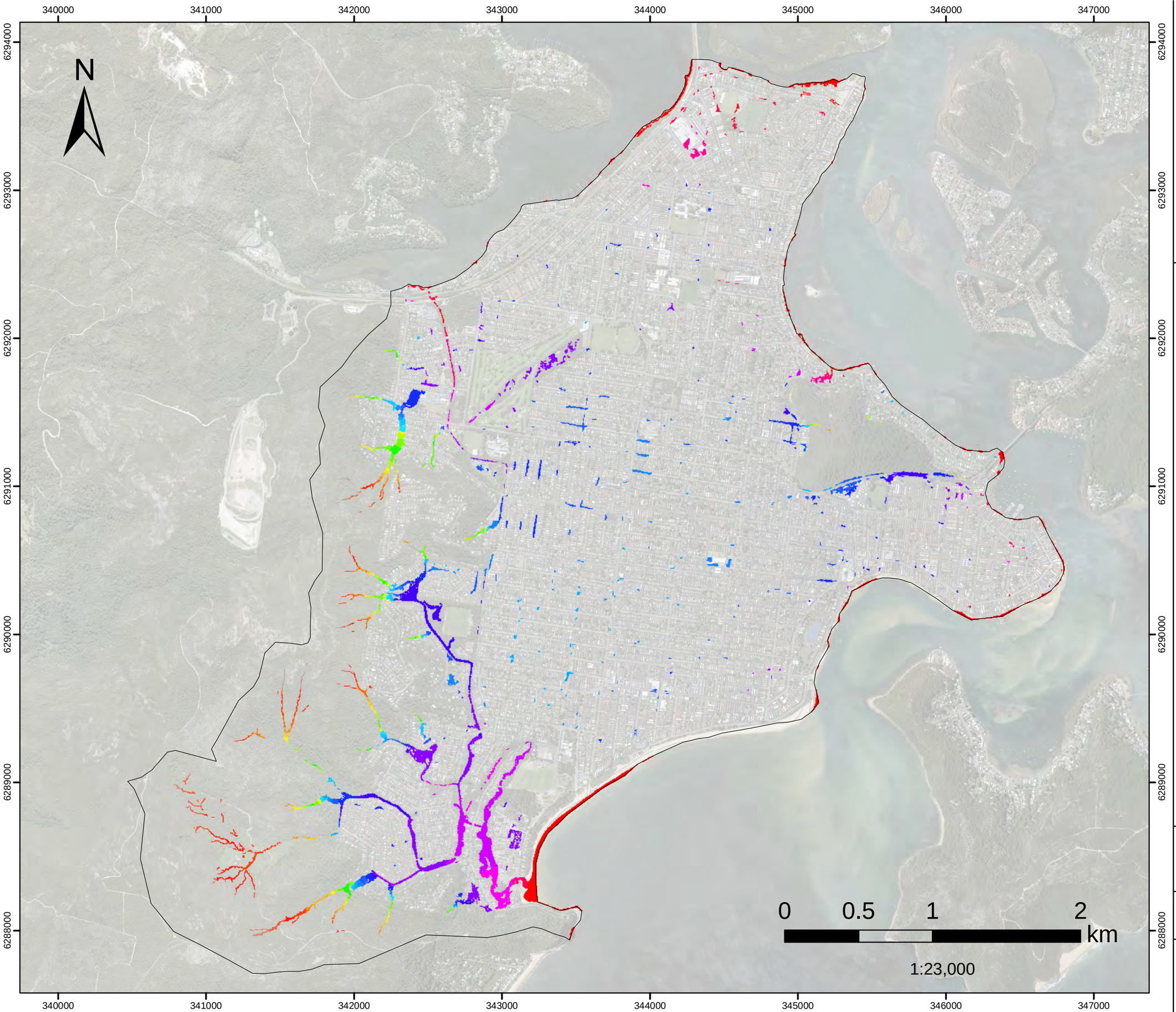

FIGURE L.54
10%AEP FM03

Infiltration Devices

Flood Level

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.
Assessed for the critical duration 3hrs

Model Domain

Flood Level (mAHD)

- 0.7 - 1
- 1.1 - 1.5
- 1.6 - 2
- 2.1 - 2.5
- 2.6 - 3
- 3.1 - 3.5
- 3.6 - 4
- 4.1 - 4.5
- 4.6 - 5
- 5.1 - 5.5
- 5.6 - 6
- 6.1 - 6.5
- 6.6 - 7
- 7.1 - 7.5
- 7.6 - 8
- 8.1 - 9
- 9.1 - 10
- 10.1 - 20
- 20.1 - 30
- 30.1 - 40
- 40.1 - 50
- 50.1 - 60
- 60.1 - 70
- 70.1 - 80
- 80.1 - 90
- 90.1 - 100
- 100.1 - 110
- 110.1 - 120
- 120.1 - 130
- 130.1 - 140

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

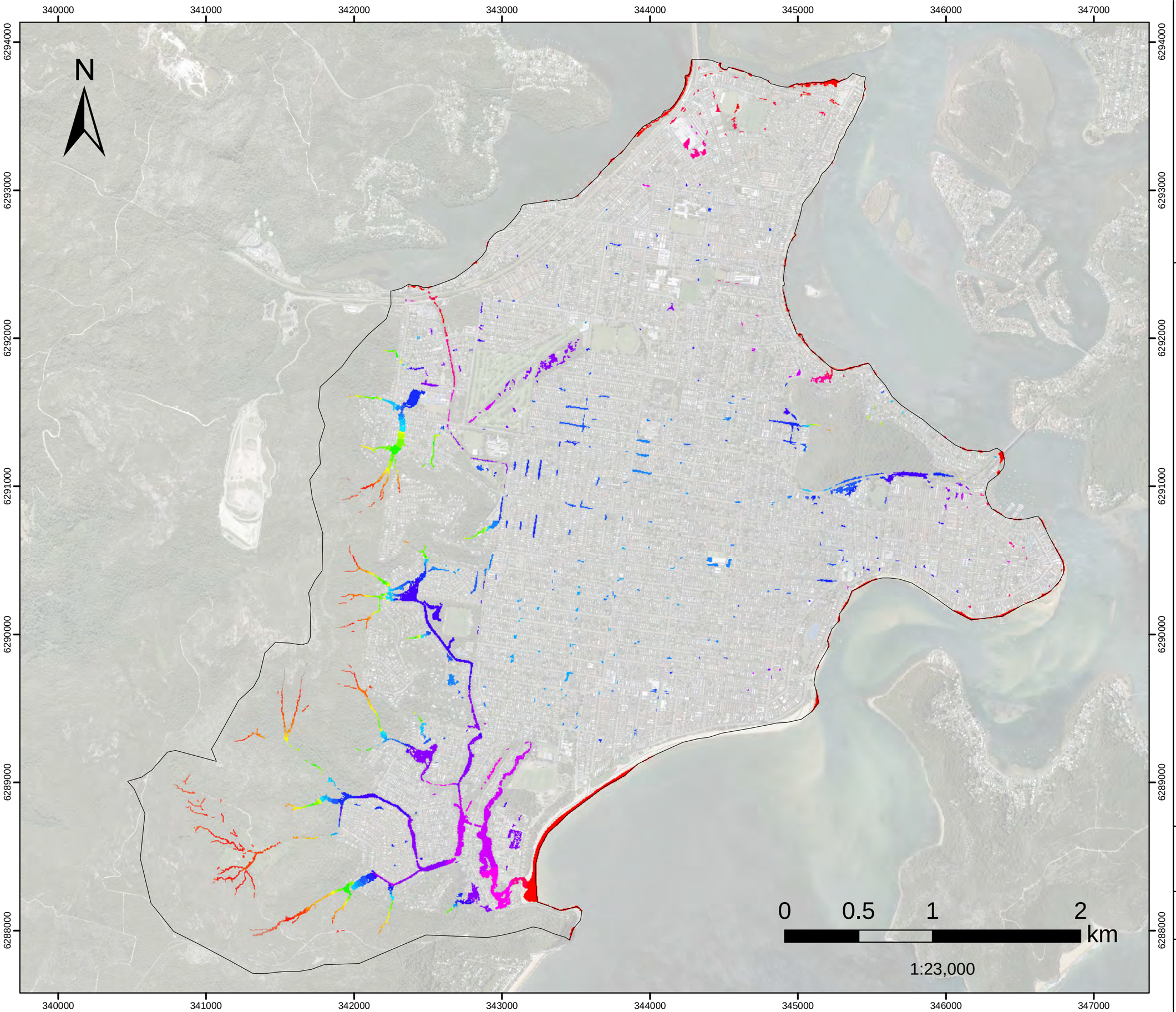

FIGURE L.55
10%AEP FM05

Greenhaven Dr

Flood Level

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.
Assessed for the critical duration 3hrs

Model Domain

Flood Level (mAHD)

- 0.7 - 1
- 1.1 - 1.5
- 1.6 - 2
- 2.1 - 2.5
- 2.6 - 3
- 3.1 - 3.5
- 3.6 - 4
- 4.1 - 4.5
- 4.6 - 5
- 5.1 - 5.5
- 5.6 - 6
- 6.1 - 6.5
- 6.6 - 7
- 7.1 - 7.5
- 7.6 - 8
- 8.1 - 9
- 9.1 - 10
- 10.1 - 20
- 20.1 - 30
- 30.1 - 40
- 40.1 - 50
- 50.1 - 60
- 60.1 - 70
- 70.1 - 80
- 80.1 - 90
- 90.1 - 100
- 100.1 - 110
- 110.1 - 120
- 120.1 - 130
- 130.1 - 140

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

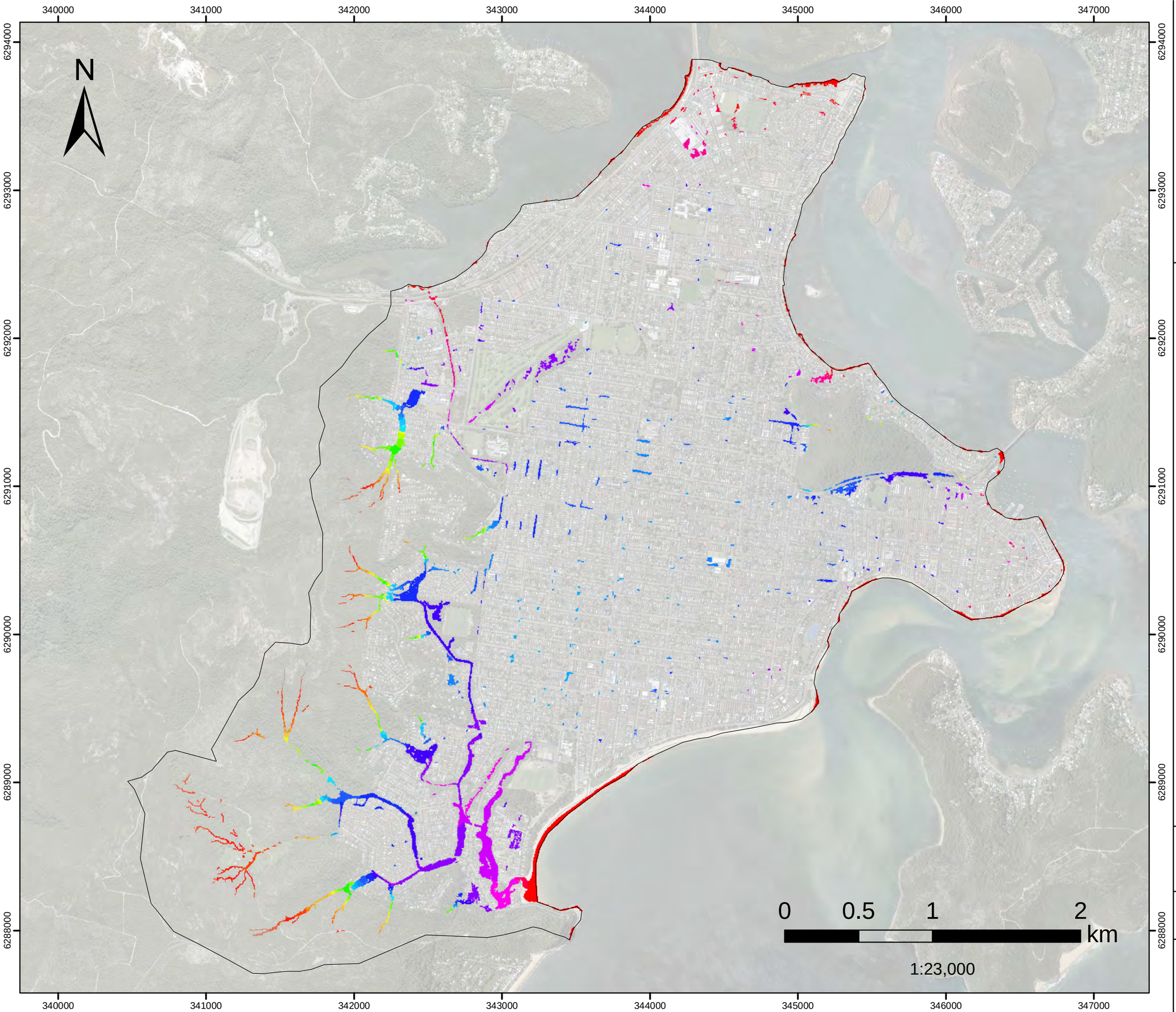

FIGURE L.56
10%AEP FM06A

Kahibah Ck system maintenance work

Flood Level

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2. Assessed for the critical duration 3hrs

Model Domain

Flood Level (mAHD)

- 0.7 - 1
- 1.1 - 1.5
- 1.6 - 2
- 2.1 - 2.5
- 2.6 - 3
- 3.1 - 3.5
- 3.6 - 4
- 4.1 - 4.5
- 4.6 - 5
- 5.1 - 5.5
- 5.6 - 6
- 6.1 - 6.5
- 6.6 - 7
- 7.1 - 7.5
- 7.6 - 8
- 8.1 - 9
- 9.1 - 10
- 10.1 - 20
- 20.1 - 30
- 30.1 - 40
- 40.1 - 50
- 50.1 - 60
- 60.1 - 70
- 70.1 - 80
- 80.1 - 90
- 90.1 - 100
- 100.1 - 110
- 110.1 - 120
- 120.1 - 130
- 130.1 - 140

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

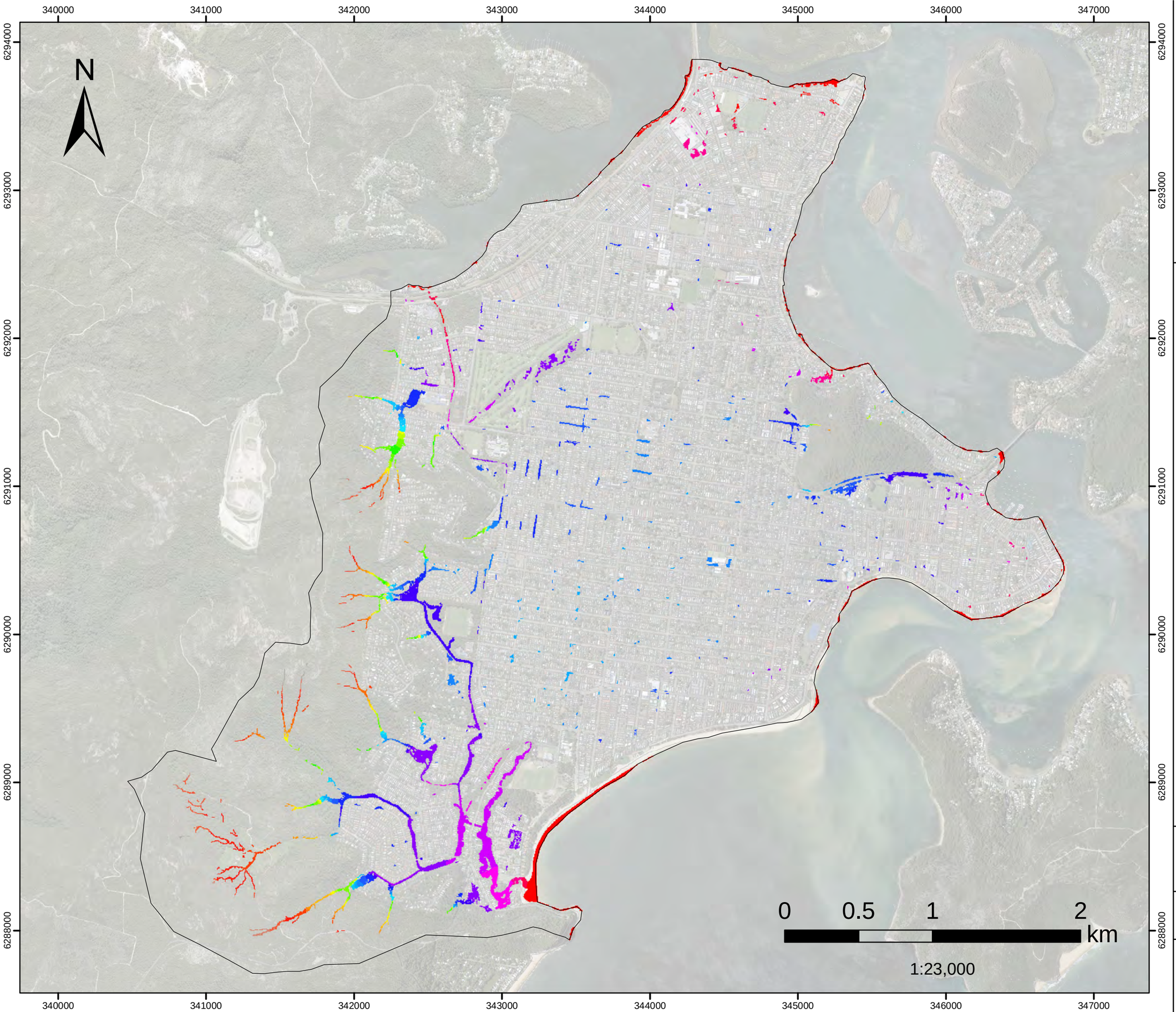

FIGURE L.57
10%AEP FM08

Palmtree Grove Detention Basin

Flood Level

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2. Assessed for the critical duration 3hrs

Model Domain

Flood Level (mAHD)

- 0.7 - 1
- 1.1 - 1.5
- 1.6 - 2
- 2.1 - 2.5
- 2.6 - 3
- 3.1 - 3.5
- 3.6 - 4
- 4.1 - 4.5
- 4.6 - 5
- 5.1 - 5.5
- 5.6 - 6
- 6.1 - 6.5
- 6.6 - 7
- 7.1 - 7.5
- 7.6 - 8
- 8.1 - 9
- 9.1 - 10
- 10.1 - 20
- 20.1 - 30
- 30.1 - 40
- 40.1 - 50
- 50.1 - 60
- 60.1 - 70
- 70.1 - 80
- 80.1 - 90
- 90.1 - 100
- 100.1 - 110
- 110.1 - 120
- 120.1 - 130
- 130.1 - 140

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

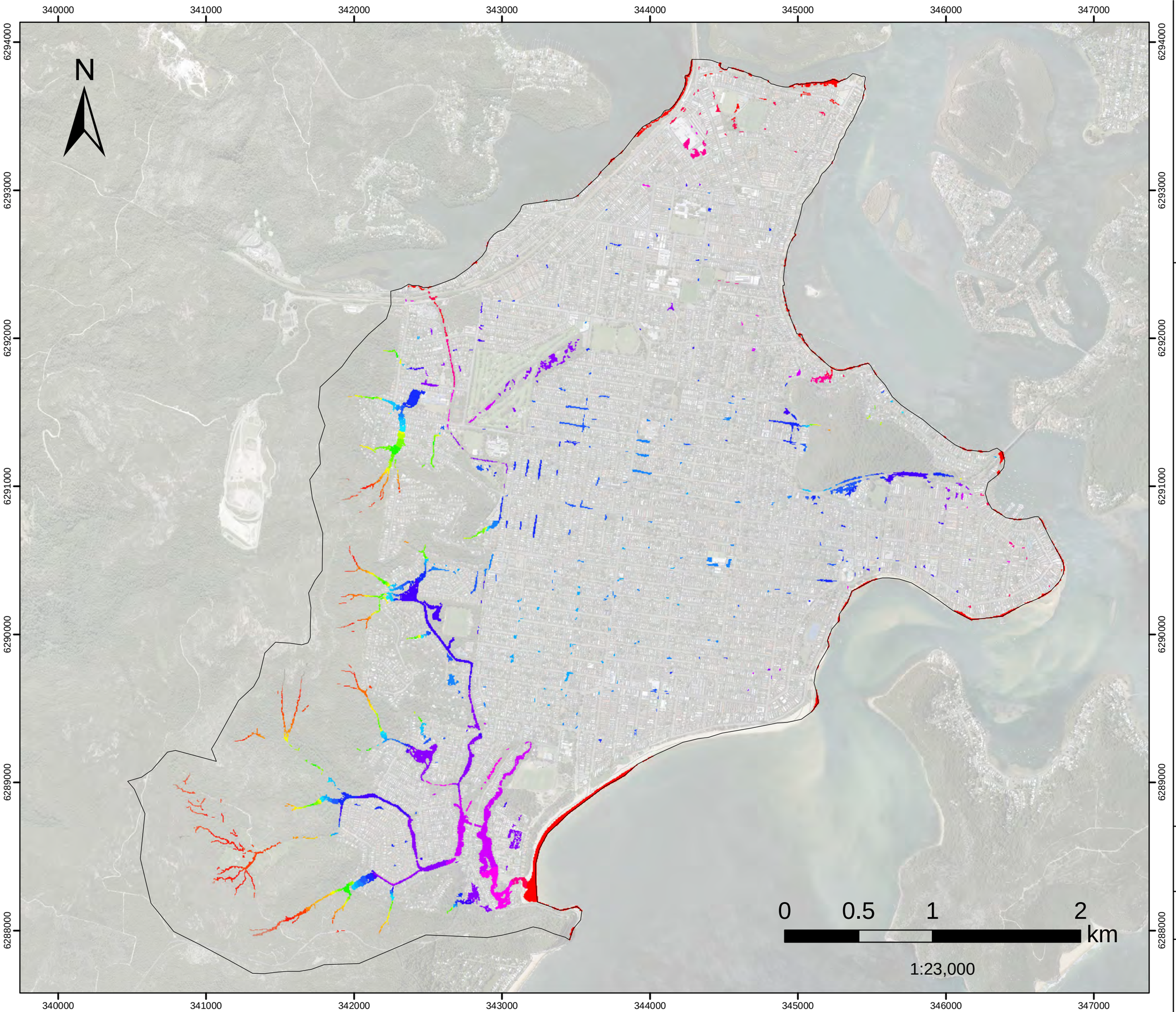

FIGURE L.58
10%AEP FM10

Neera Rd

Flood Level

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.
Assessed for the critical duration 3hrs

Model Domain

Flood Level (mAHD)

- 0.7 - 1
- 1.1 - 1.5
- 1.6 - 2
- 2.1 - 2.5
- 2.6 - 3
- 3.1 - 3.5
- 3.6 - 4
- 4.1 - 4.5
- 4.6 - 5
- 5.1 - 5.5
- 5.6 - 6
- 6.1 - 6.5
- 6.6 - 7
- 7.1 - 7.5
- 7.6 - 8
- 8.1 - 9
- 9.1 - 10
- 10.1 - 20
- 20.1 - 30
- 30.1 - 40
- 40.1 - 50
- 50.1 - 60
- 60.1 - 70
- 70.1 - 80
- 80.1 - 90
- 90.1 - 100
- 100.1 - 110
- 110.1 - 120
- 120.1 - 130
- 130.1 - 140

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

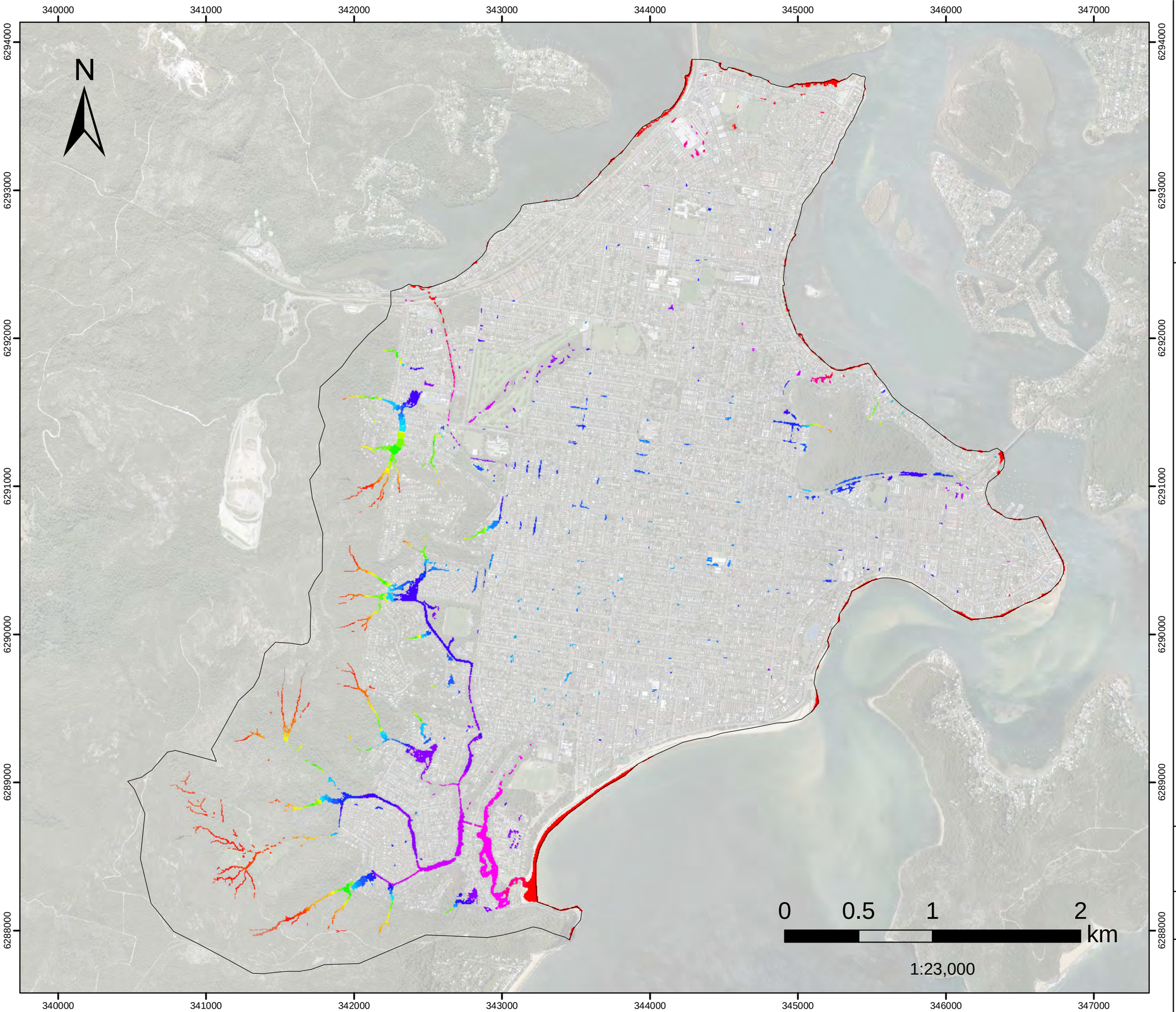

FIGURE L.59
20%AEP FM01

Woy Woy CBD

Flood Level

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.
Assessed for the critical duration 1hr

Model Domain

Flood Level (mAHD)

- 0.7 - 1
- 1.1 - 1.5
- 1.6 - 2
- 2.1 - 2.5
- 2.6 - 3
- 3.1 - 3.5
- 3.6 - 4
- 4.1 - 4.5
- 4.6 - 5
- 5.1 - 5.5
- 5.6 - 6
- 6.1 - 6.5
- 6.6 - 7
- 7.1 - 7.5
- 7.6 - 8
- 8.1 - 9
- 9.1 - 10
- 10.1 - 20
- 20.1 - 30
- 30.1 - 40
- 40.1 - 50
- 50.1 - 60
- 60.1 - 70
- 70.1 - 80
- 80.1 - 90
- 90.1 - 100
- 100.1 - 110
- 110.1 - 120
- 120.1 - 130
- 130.1 - 140

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

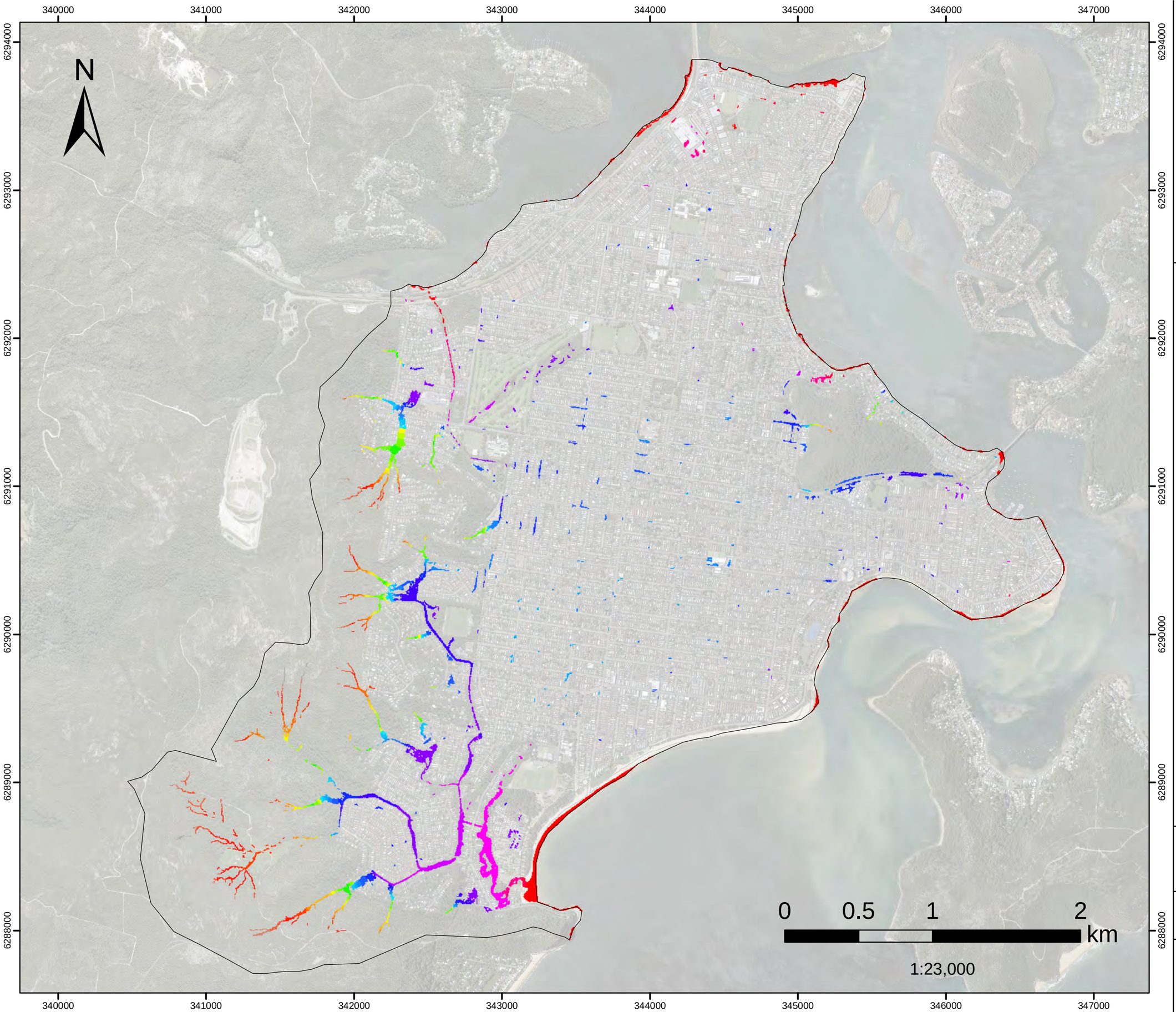

FIGURE L.60
20%AEP FM02

Dulkala Rd to Karingal Cl

Flood Level

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2. Assessed for the critical duration 1hr

Model Domain

Flood Level (mAHD)

- 0.7 - 1
- 1.1 - 1.5
- 1.6 - 2
- 2.1 - 2.5
- 2.6 - 3
- 3.1 - 3.5
- 3.6 - 4
- 4.1 - 4.5
- 4.6 - 5
- 5.1 - 5.5
- 5.6 - 6
- 6.1 - 6.5
- 6.6 - 7
- 7.1 - 7.5
- 7.6 - 8
- 8.1 - 9
- 9.1 - 10
- 10.1 - 20
- 20.1 - 30
- 30.1 - 40
- 40.1 - 50
- 50.1 - 60
- 60.1 - 70
- 70.1 - 80
- 80.1 - 90
- 90.1 - 100
- 100.1 - 110
- 110.1 - 120
- 120.1 - 130
- 130.1 - 140

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

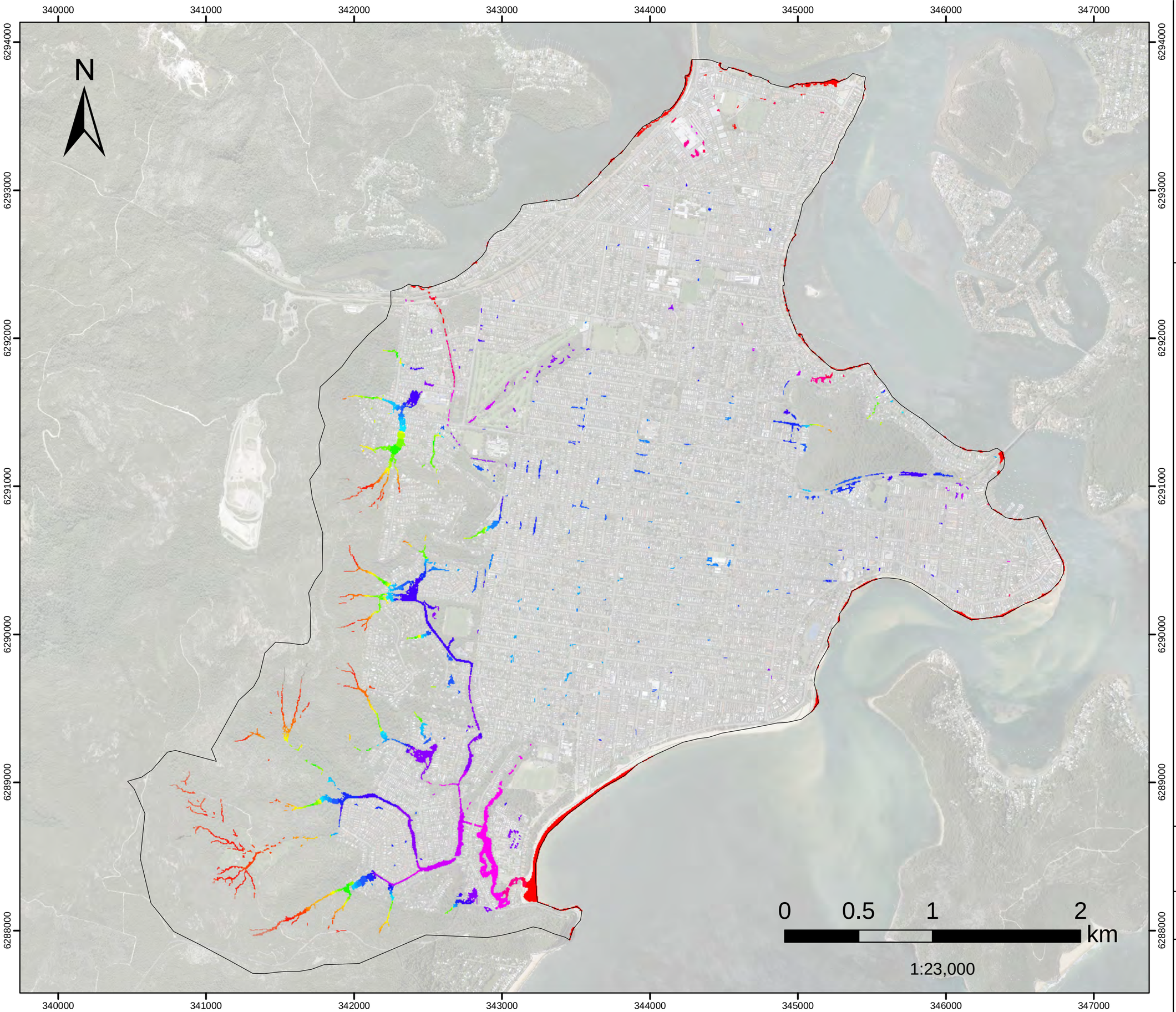

FIGURE L.61
20%AEP FM03

Infiltration Devices

Flood Level

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2. Assessed for the critical duration 1hr

Model Domain

Flood Level (mAHD)

- 0.7 - 1
- 1.1 - 1.5
- 1.6 - 2
- 2.1 - 2.5
- 2.6 - 3
- 3.1 - 3.5
- 3.6 - 4
- 4.1 - 4.5
- 4.6 - 5
- 5.1 - 5.5
- 5.6 - 6
- 6.1 - 6.5
- 6.6 - 7
- 7.1 - 7.5
- 7.6 - 8
- 8.1 - 9
- 9.1 - 10
- 10.1 - 20
- 20.1 - 30
- 30.1 - 40
- 40.1 - 50
- 50.1 - 60
- 60.1 - 70
- 70.1 - 80
- 80.1 - 90
- 90.1 - 100
- 100.1 - 110
- 110.1 - 120
- 120.1 - 130
- 130.1 - 140

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

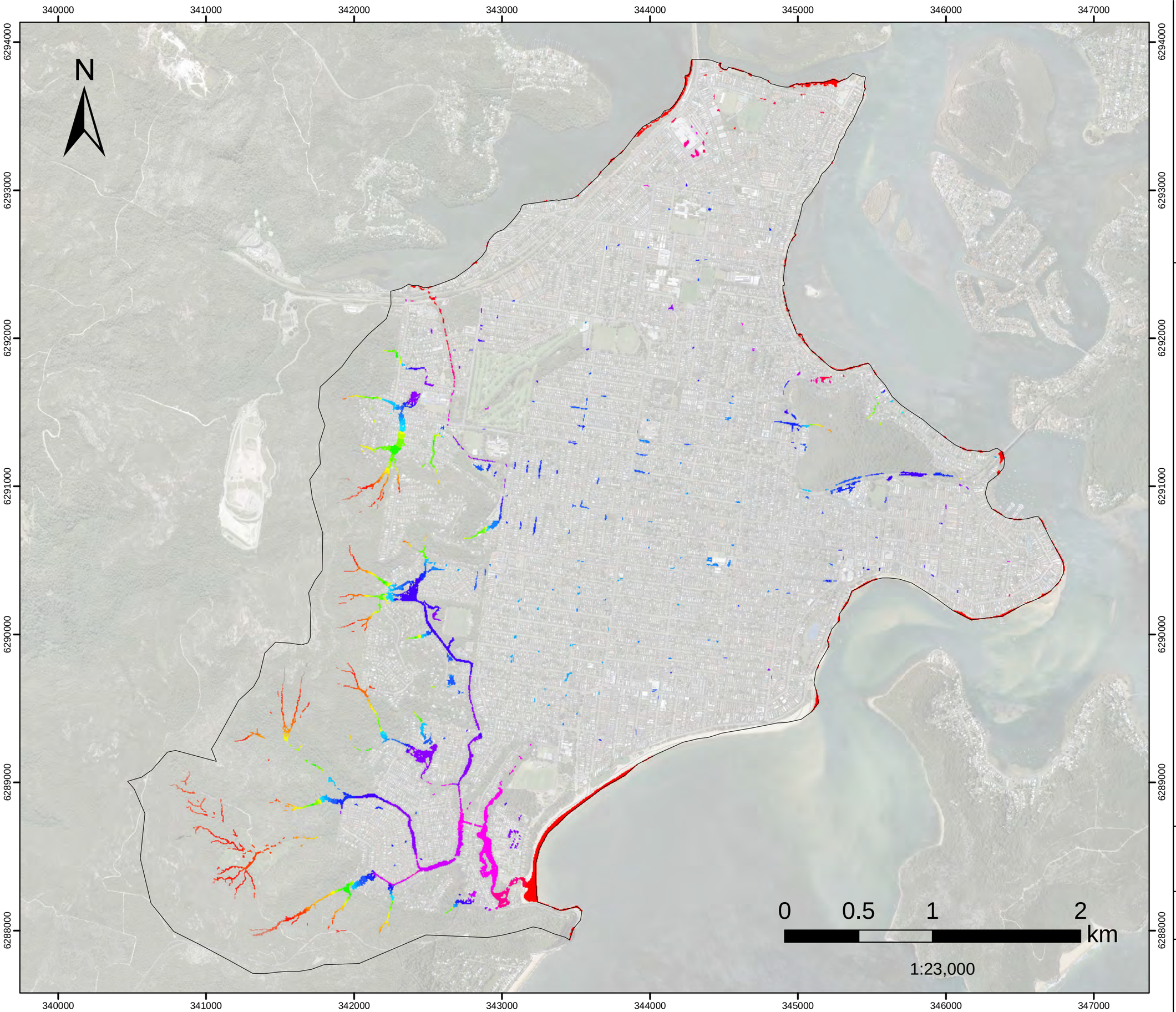

FIGURE L.62
20%AEP FM04

Groundwater pumping and Everglades drainage update work

Flood Level

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2. Assessed for the critical duration 1hr

Model Domain

Flood Level (mAHD)

- 0.7 - 1
- 1.1 - 1.5
- 1.6 - 2
- 2.1 - 2.5
- 2.6 - 3
- 3.1 - 3.5
- 3.6 - 4
- 4.1 - 4.5
- 4.6 - 5
- 5.1 - 5.5
- 5.6 - 6
- 6.1 - 6.5
- 6.6 - 7
- 7.1 - 7.5
- 7.6 - 8
- 8.1 - 9
- 9.1 - 10
- 10.1 - 20
- 20.1 - 30
- 30.1 - 40
- 40.1 - 50
- 50.1 - 60
- 60.1 - 70
- 70.1 - 80
- 80.1 - 90
- 90.1 - 100
- 100.1 - 110
- 110.1 - 120
- 120.1 - 130
- 130.1 - 140

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

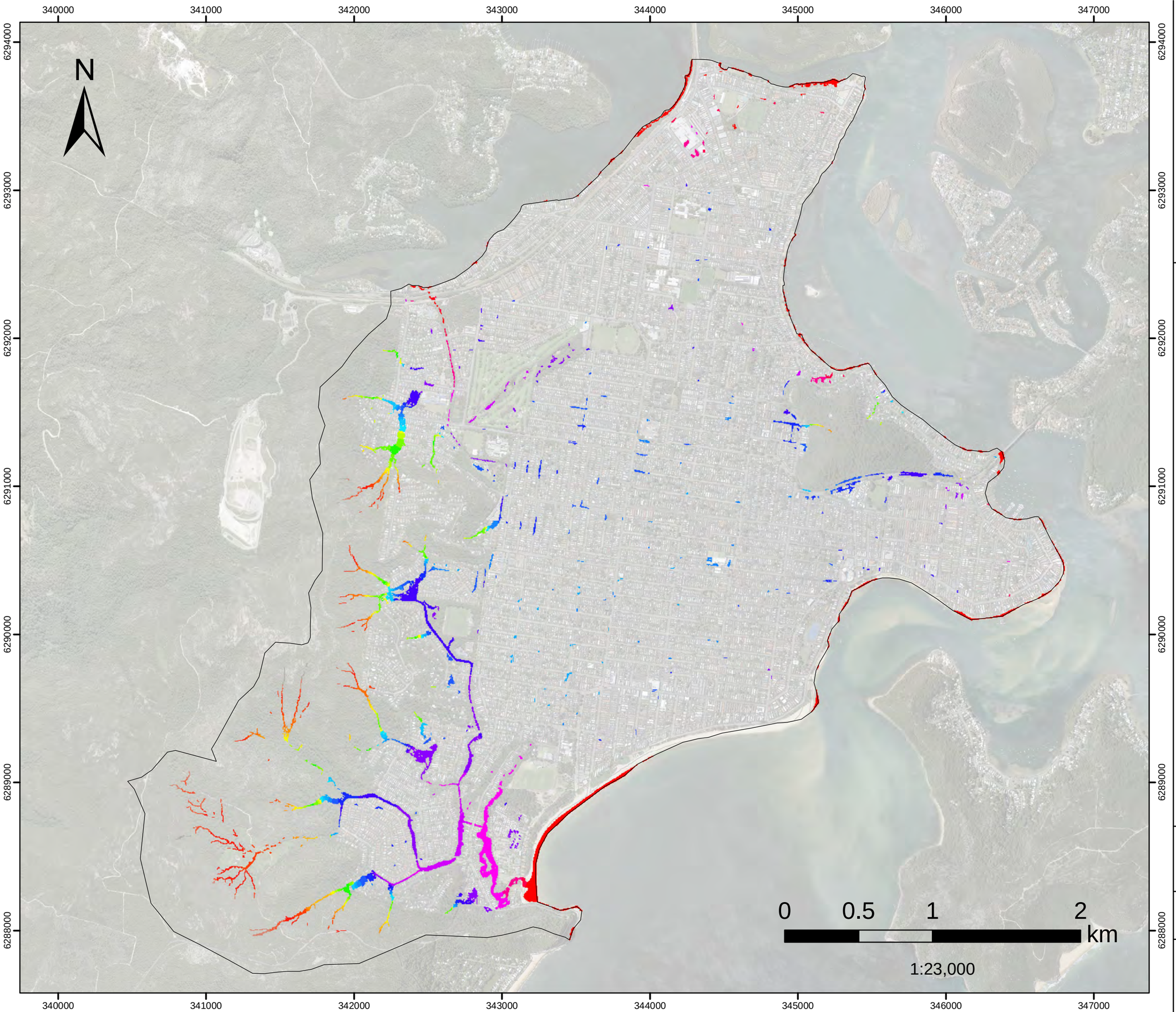

FIGURE L.63
20%AEP FM05

Greenhaven Dr

Flood Level

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.
Assessed for the critical duration 1hr

Model Domain

Flood Level (mAHD)

- 0.7 - 1
- 1.1 - 1.5
- 1.6 - 2
- 2.1 - 2.5
- 2.6 - 3
- 3.1 - 3.5
- 3.6 - 4
- 4.1 - 4.5
- 4.6 - 5
- 5.1 - 5.5
- 5.6 - 6
- 6.1 - 6.5
- 6.6 - 7
- 7.1 - 7.5
- 7.6 - 8
- 8.1 - 9
- 9.1 - 10
- 10.1 - 20
- 20.1 - 30
- 30.1 - 40
- 40.1 - 50
- 50.1 - 60
- 60.1 - 70
- 70.1 - 80
- 80.1 - 90
- 90.1 - 100
- 100.1 - 110
- 110.1 - 120
- 120.1 - 130
- 130.1 - 140

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
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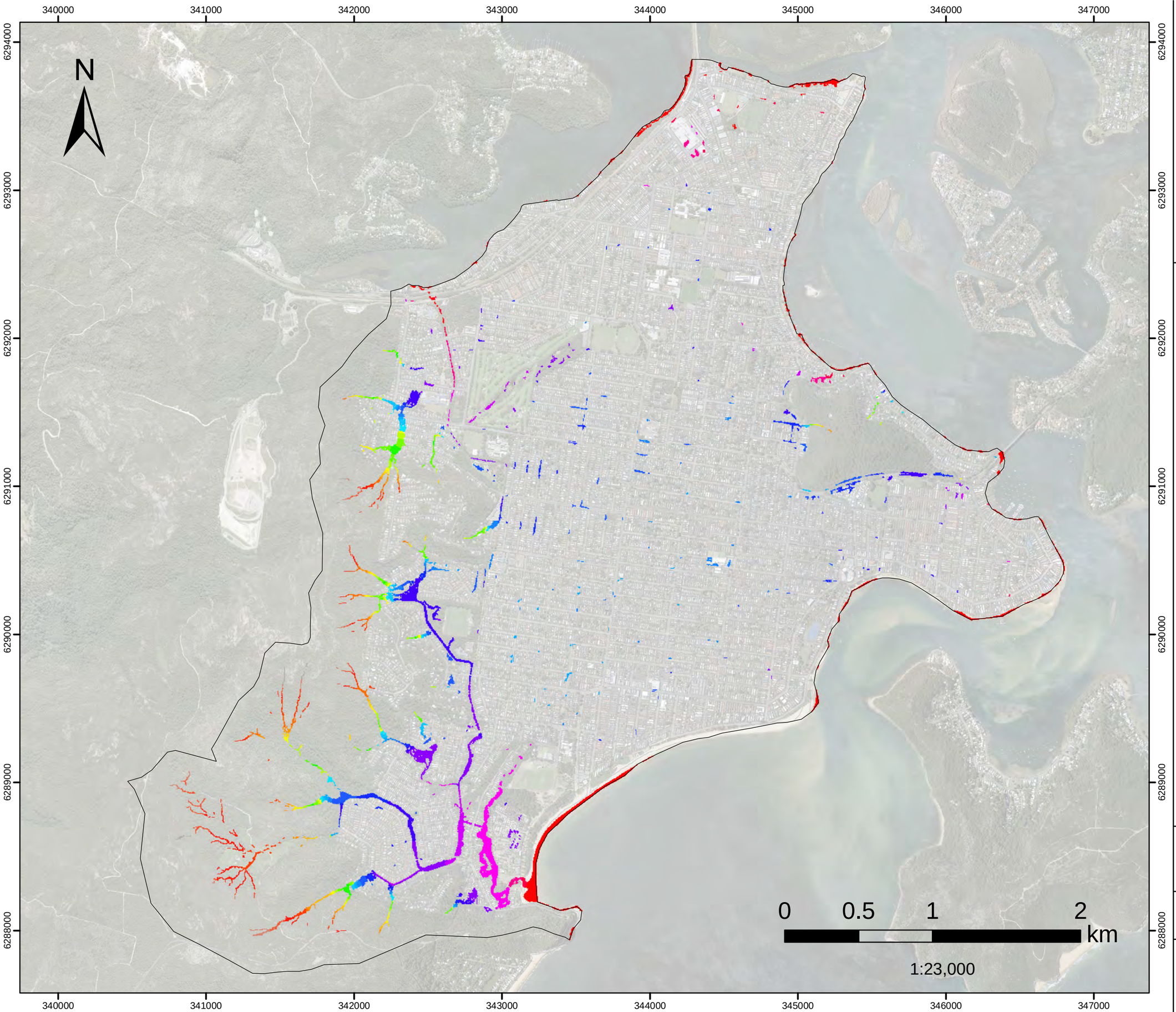

FIGURE L.64
20%AEP FM06A

Kahibah Ck system maintenance work

Flood Level

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2. Assessed for the critical duration 1hr

Model Domain

Flood Level (mAHD)

- 0.7 - 1
- 1.1 - 1.5
- 1.6 - 2
- 2.1 - 2.5
- 2.6 - 3
- 3.1 - 3.5
- 3.6 - 4
- 4.1 - 4.5
- 4.6 - 5
- 5.1 - 5.5
- 5.6 - 6
- 6.1 - 6.5
- 6.6 - 7
- 7.1 - 7.5
- 7.6 - 8
- 8.1 - 9
- 9.1 - 10
- 10.1 - 20
- 20.1 - 30
- 30.1 - 40
- 40.1 - 50
- 50.1 - 60
- 60.1 - 70
- 70.1 - 80
- 80.1 - 90
- 90.1 - 100
- 100.1 - 110
- 110.1 - 120
- 120.1 - 130
- 130.1 - 140

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
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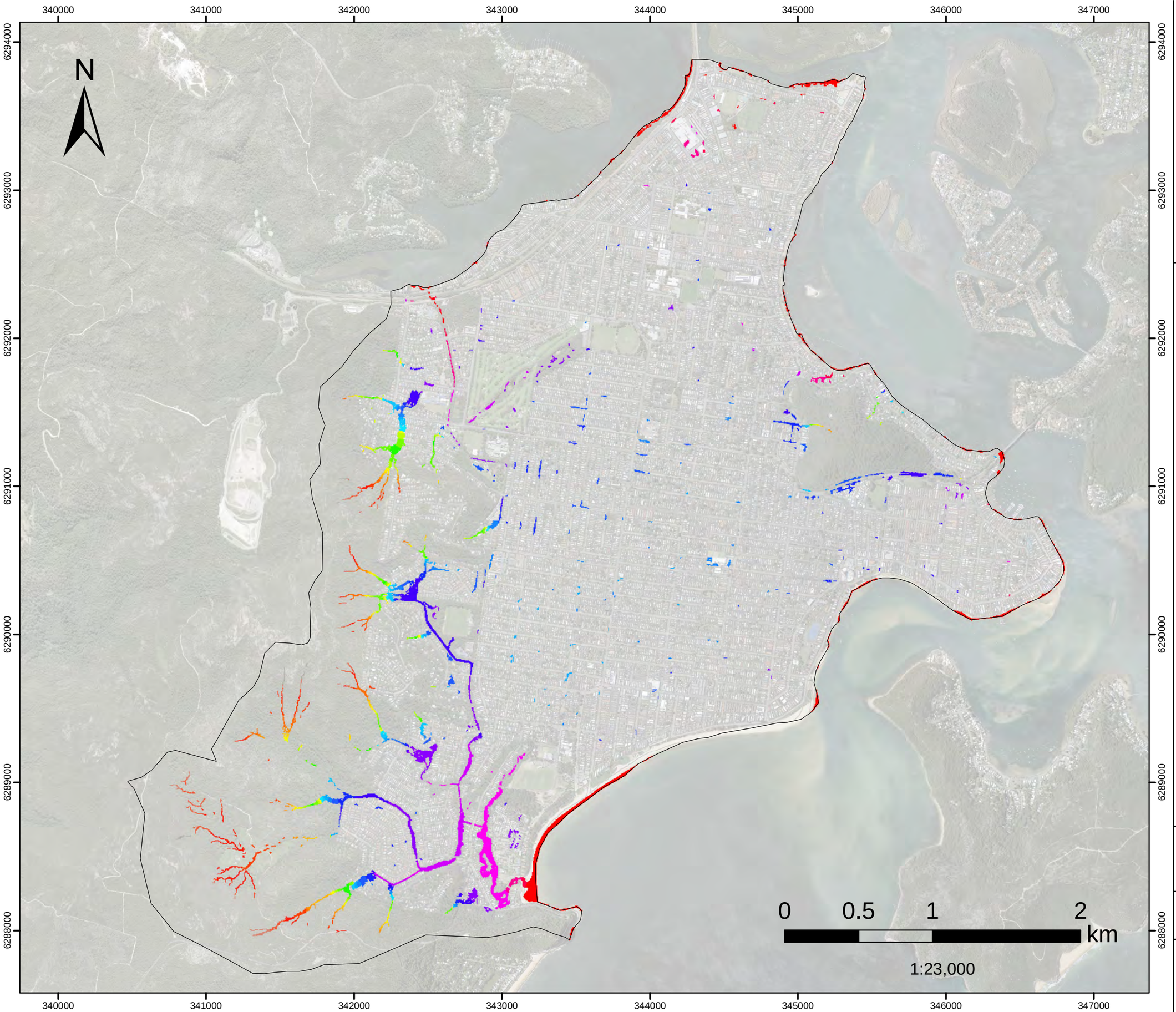

FIGURE L.65
20%AEP FM06B

Further improvement of the Kahibah Creek system

maintenance work

Flood Level

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2. Assessed for the critical duration 1hr

Model Domain

Flood Level (mAHD)

- 0.7 - 1
- 1.1 - 1.5
- 1.6 - 2
- 2.1 - 2.5
- 2.6 - 3
- 3.1 - 3.5
- 3.6 - 4
- 4.1 - 4.5
- 4.6 - 5
- 5.1 - 5.5
- 5.6 - 6
- 6.1 - 6.5
- 6.6 - 7
- 7.1 - 7.5
- 7.6 - 8
- 8.1 - 9
- 9.1 - 10
- 10.1 - 20
- 20.1 - 30
- 30.1 - 40
- 40.1 - 50
- 50.1 - 60
- 60.1 - 70
- 70.1 - 80
- 80.1 - 90
- 90.1 - 100
- 100.1 - 110
- 110.1 - 120
- 120.1 - 130
- 130.1 - 140

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
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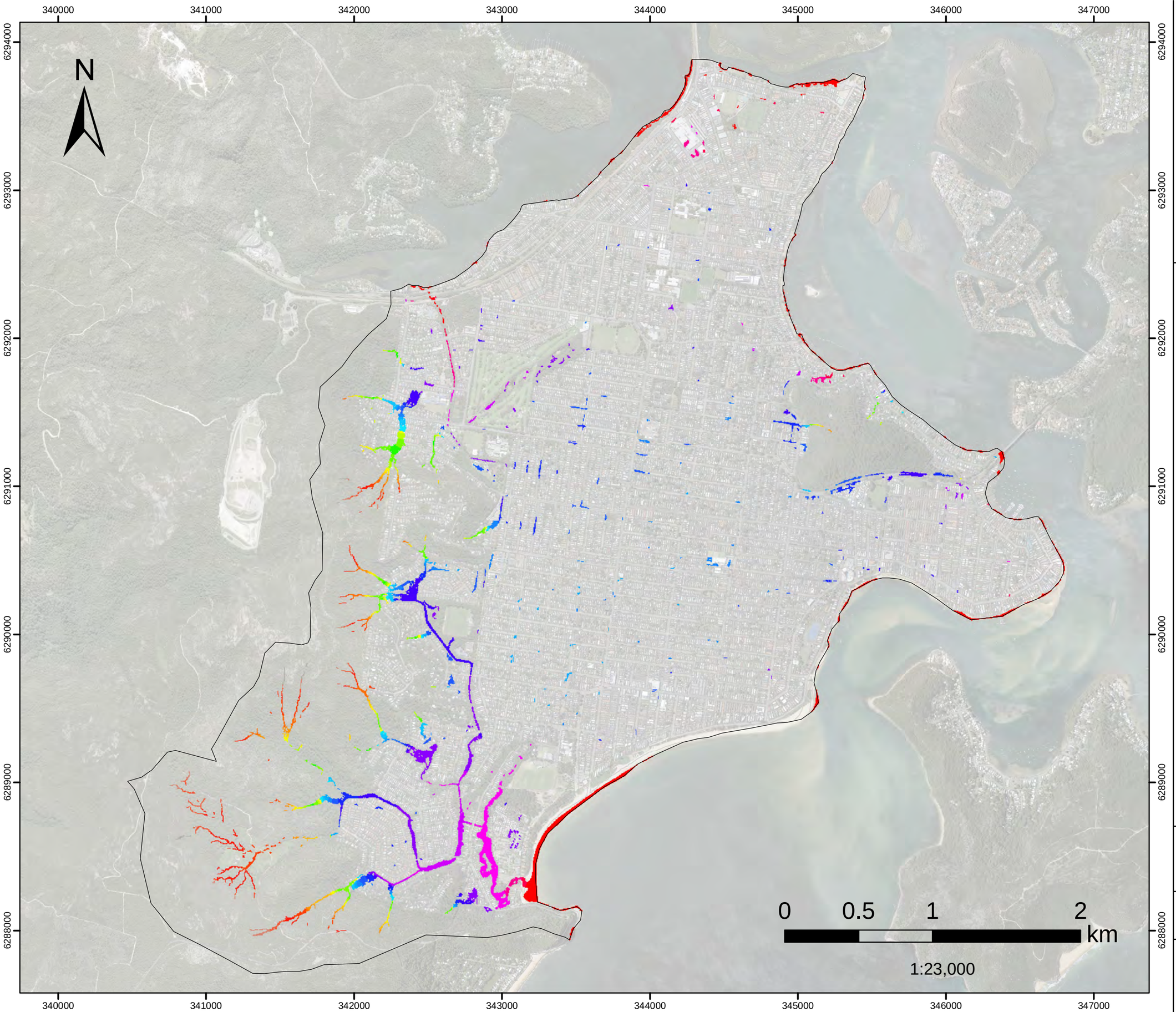

FIGURE L.66
20%AEP FM08
Palmtree Grove Detention Basin
Flood Level

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.
Assessed for the critical duration 1hr

Model Domain

Flood Level (mAHD)

- 0.7 - 1
- 1.1 - 1.5
- 1.6 - 2
- 2.1 - 2.5
- 2.6 - 3
- 3.1 - 3.5
- 3.6 - 4
- 4.1 - 4.5
- 4.6 - 5
- 5.1 - 5.5
- 5.6 - 6
- 6.1 - 6.5
- 6.6 - 7
- 7.1 - 7.5
- 7.6 - 8
- 8.1 - 9
- 9.1 - 10
- 10.1 - 20
- 20.1 - 30
- 30.1 - 40
- 40.1 - 50
- 50.1 - 60
- 60.1 - 70
- 70.1 - 80
- 80.1 - 90
- 90.1 - 100
- 100.1 - 110
- 110.1 - 120
- 120.1 - 130
- 130.1 - 140

Datum Projection: GDA 1994 MGA Zone 56
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Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
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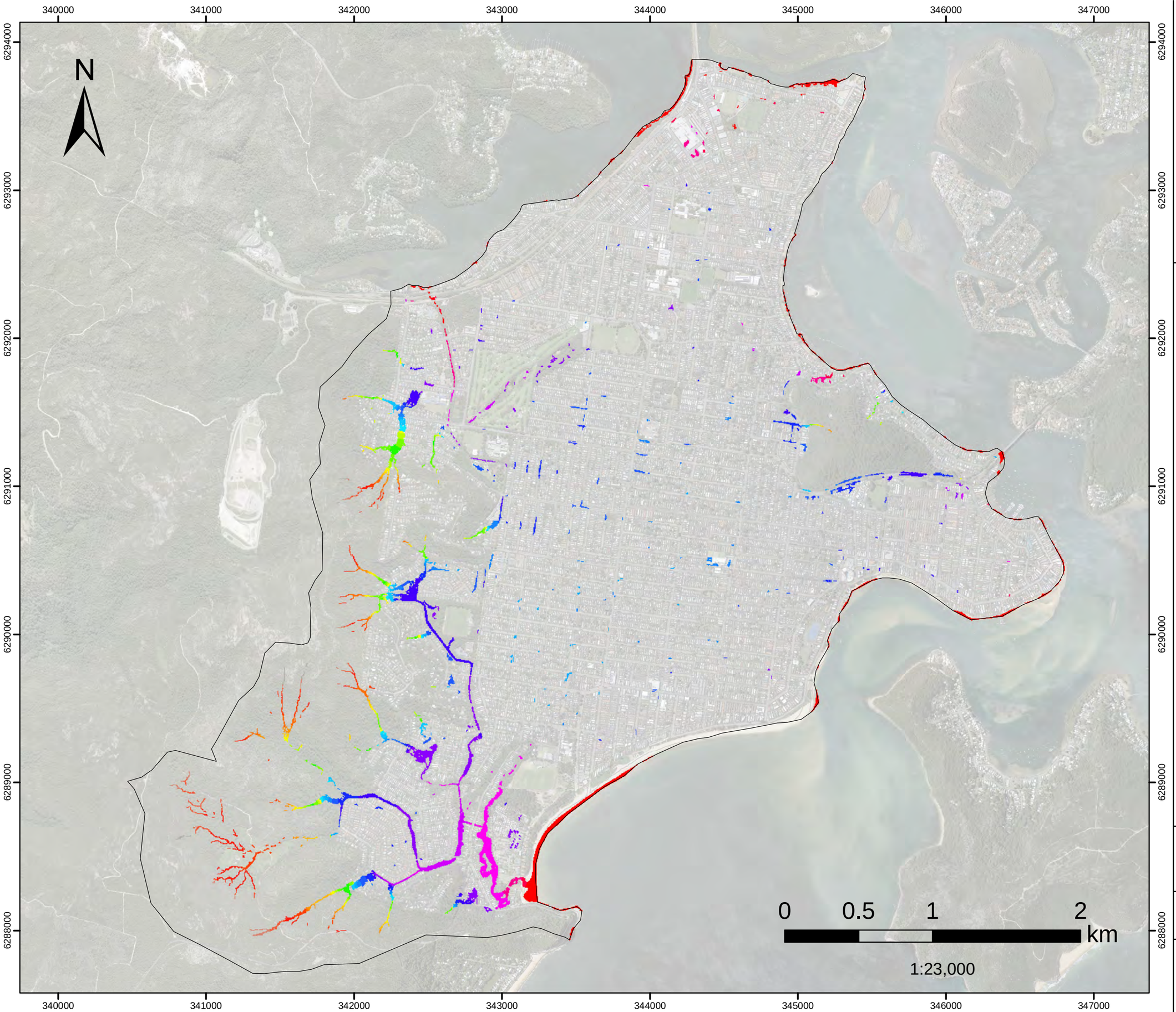

FIGURE L.67
20%AEP FM09

Wilks Av and McManus Cl

Flood Level

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2. Assessed for the critical duration 1hr

Model Domain

Flood Level (mAHD)

- 0.7 - 1
- 1.1 - 1.5
- 1.6 - 2
- 2.1 - 2.5
- 2.6 - 3
- 3.1 - 3.5
- 3.6 - 4
- 4.1 - 4.5
- 4.6 - 5
- 5.1 - 5.5
- 5.6 - 6
- 6.1 - 6.5
- 6.6 - 7
- 7.1 - 7.5
- 7.6 - 8
- 8.1 - 9
- 9.1 - 10
- 10.1 - 20
- 20.1 - 30
- 30.1 - 40
- 40.1 - 50
- 50.1 - 60
- 60.1 - 70
- 70.1 - 80
- 80.1 - 90
- 90.1 - 100
- 100.1 - 110
- 110.1 - 120
- 120.1 - 130
- 130.1 - 140

Datum Projection: GDA 1994 MGA Zone 56
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Woy Woy
Flood Risk Management Study

Version	FINAL
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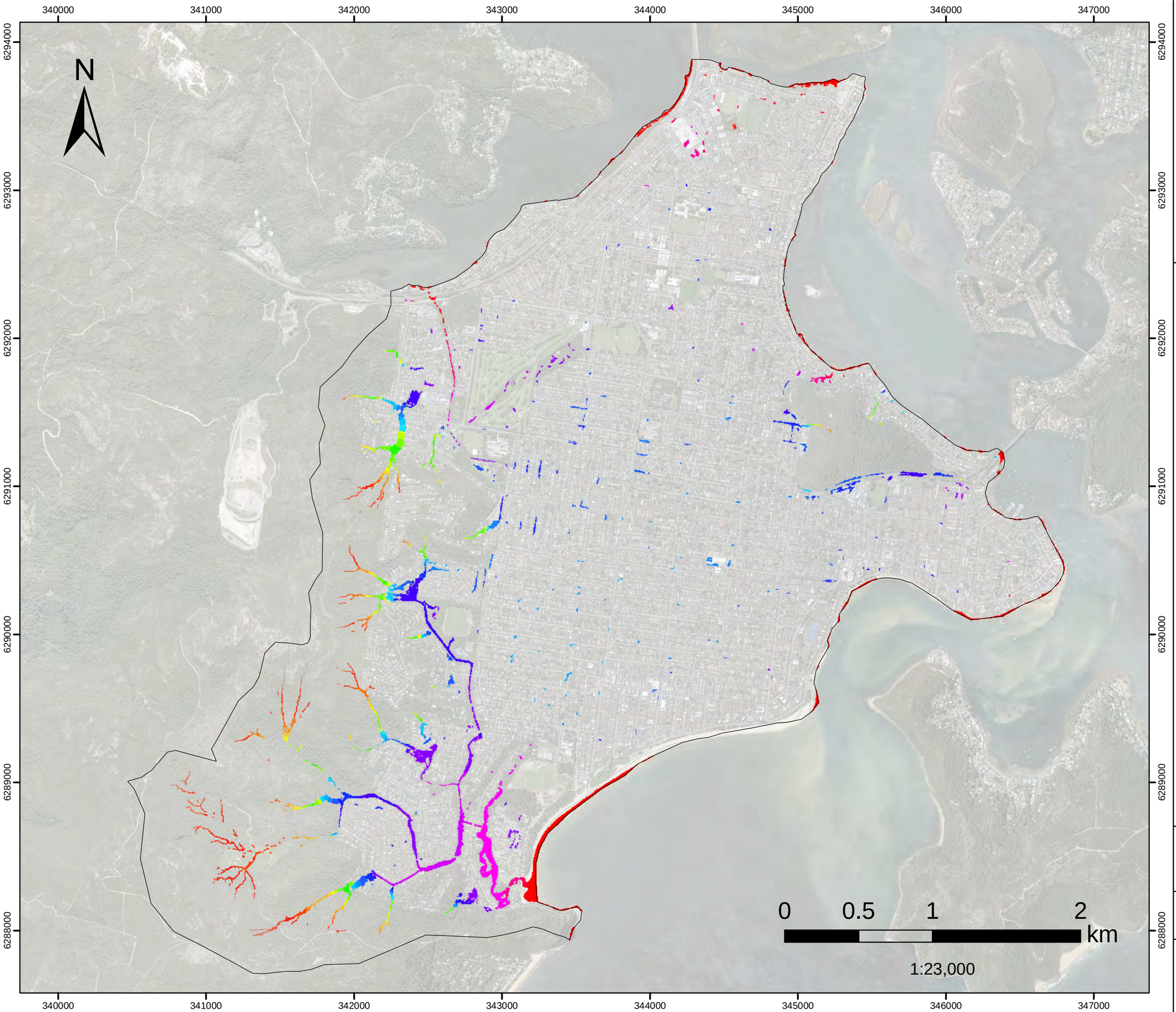

FIGURE L.68
20%AEP FM10

Neera Rd

Flood Level

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.
Assessed for the critical duration 1hr

Model Domain

Flood Level (mAHD)

- 0.7 - 1
- 1.1 - 1.5
- 1.6 - 2
- 2.1 - 2.5
- 2.6 - 3
- 3.1 - 3.5
- 3.6 - 4
- 4.1 - 4.5
- 4.6 - 5
- 5.1 - 5.5
- 5.6 - 6
- 6.1 - 6.5
- 6.6 - 7
- 7.1 - 7.5
- 7.6 - 8
- 8.1 - 9
- 9.1 - 10
- 10.1 - 20
- 20.1 - 30
- 30.1 - 40
- 40.1 - 50
- 50.1 - 60
- 60.1 - 70
- 70.1 - 80
- 80.1 - 90
- 90.1 - 100
- 100.1 - 110
- 110.1 - 120
- 120.1 - 130
- 130.1 - 140

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

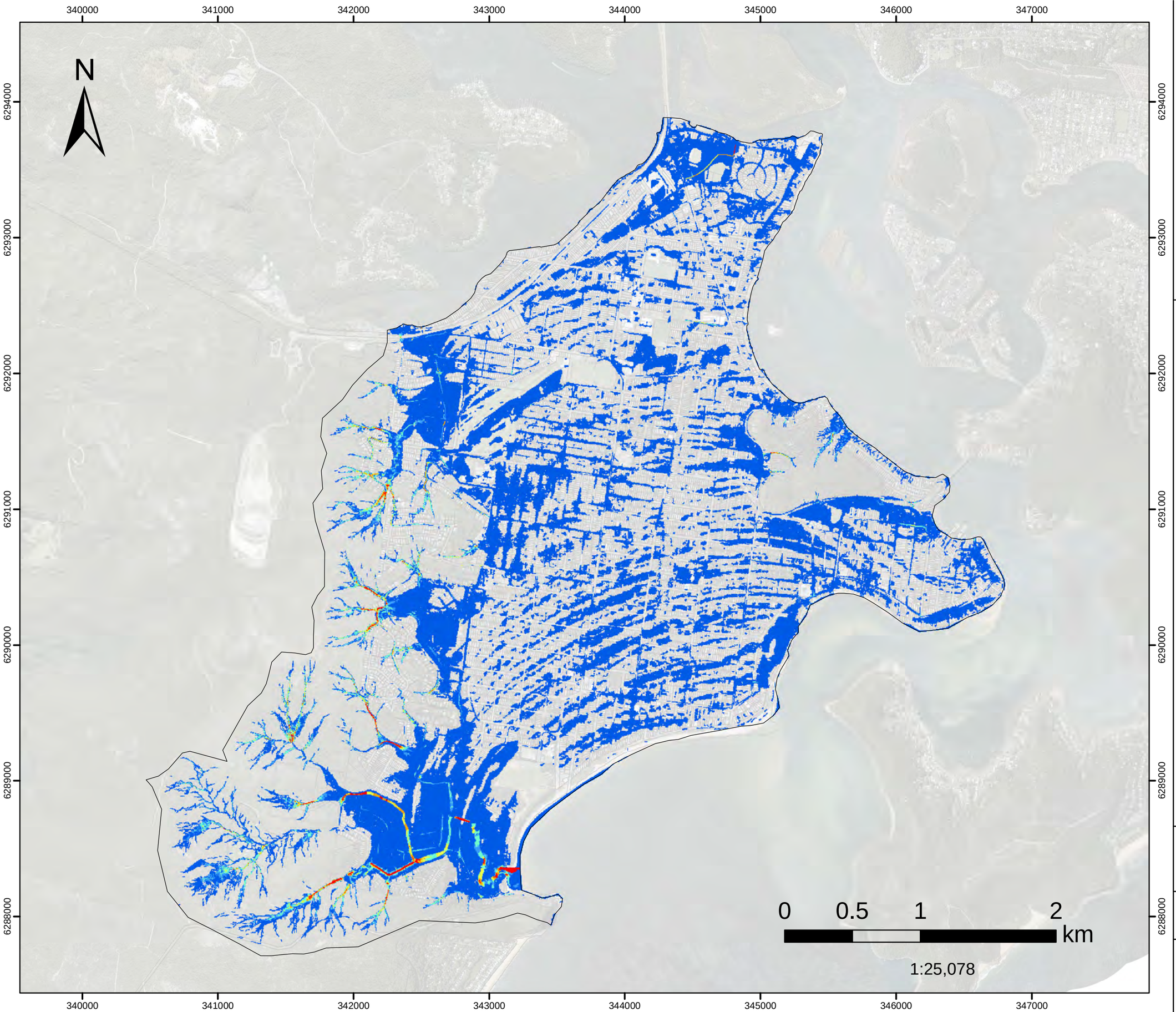

FIGURE L.69

PMF FM01

Woy Woy CBD

Peak Velocity

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 2hrs

Model Domain

Velocity (m/s)

- Below 0.75
- 0.76 - 1
- 1.01 - 1.5
- 1.51 - 2
- 2.01 - 2.5
- Above 2.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

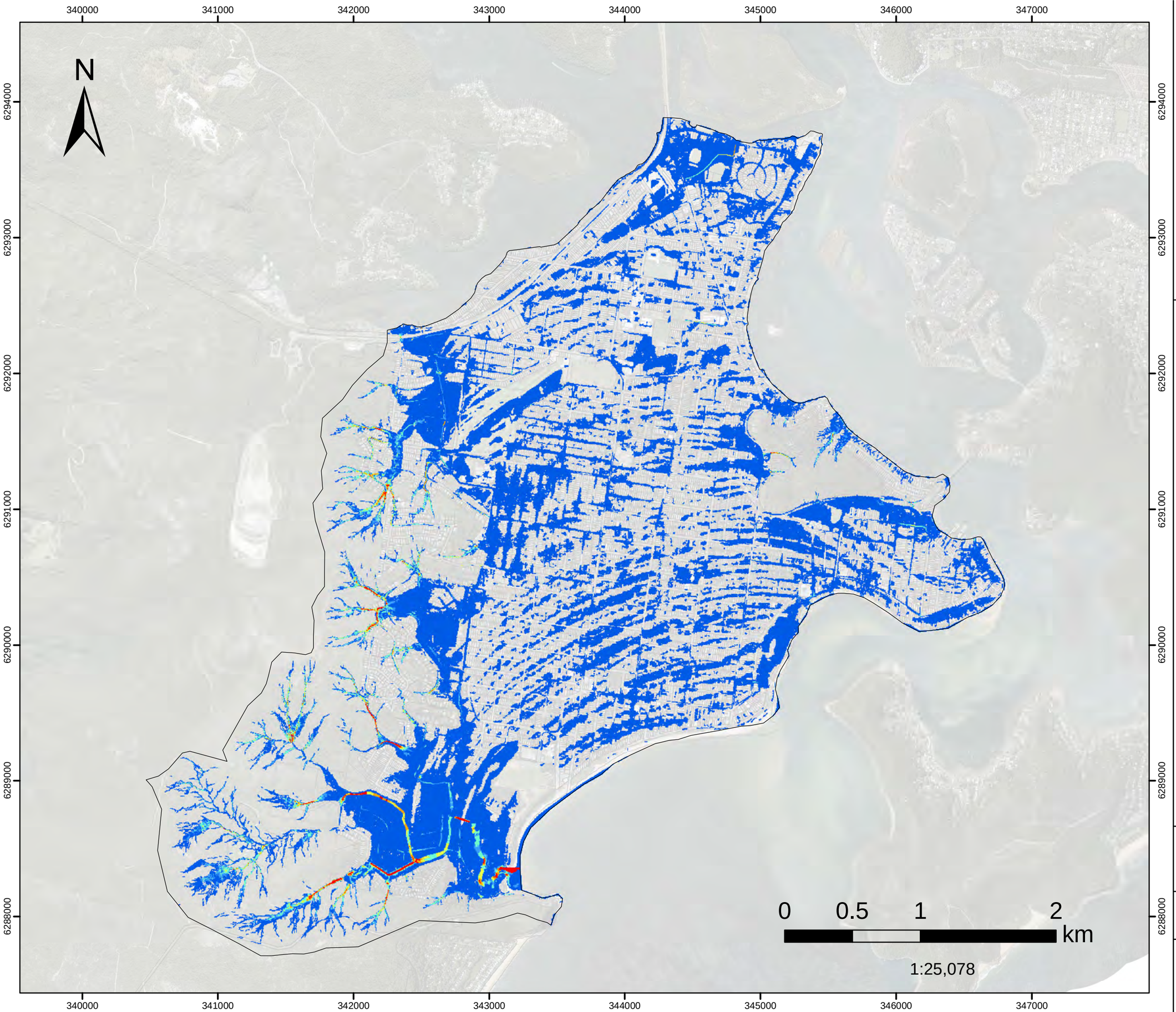

FIGURE L.70

PMF FM02

Dulkala Rd to Karingal Cl

Peak Velocity

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2. Assessed for the critical duration 2hrs

Model Domain

Velocity (m/s)

- Below 0.75
- 0.76 - 1
- 1.01 - 1.5
- 1.51 - 2
- 2.01 - 2.5
- Above 2.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

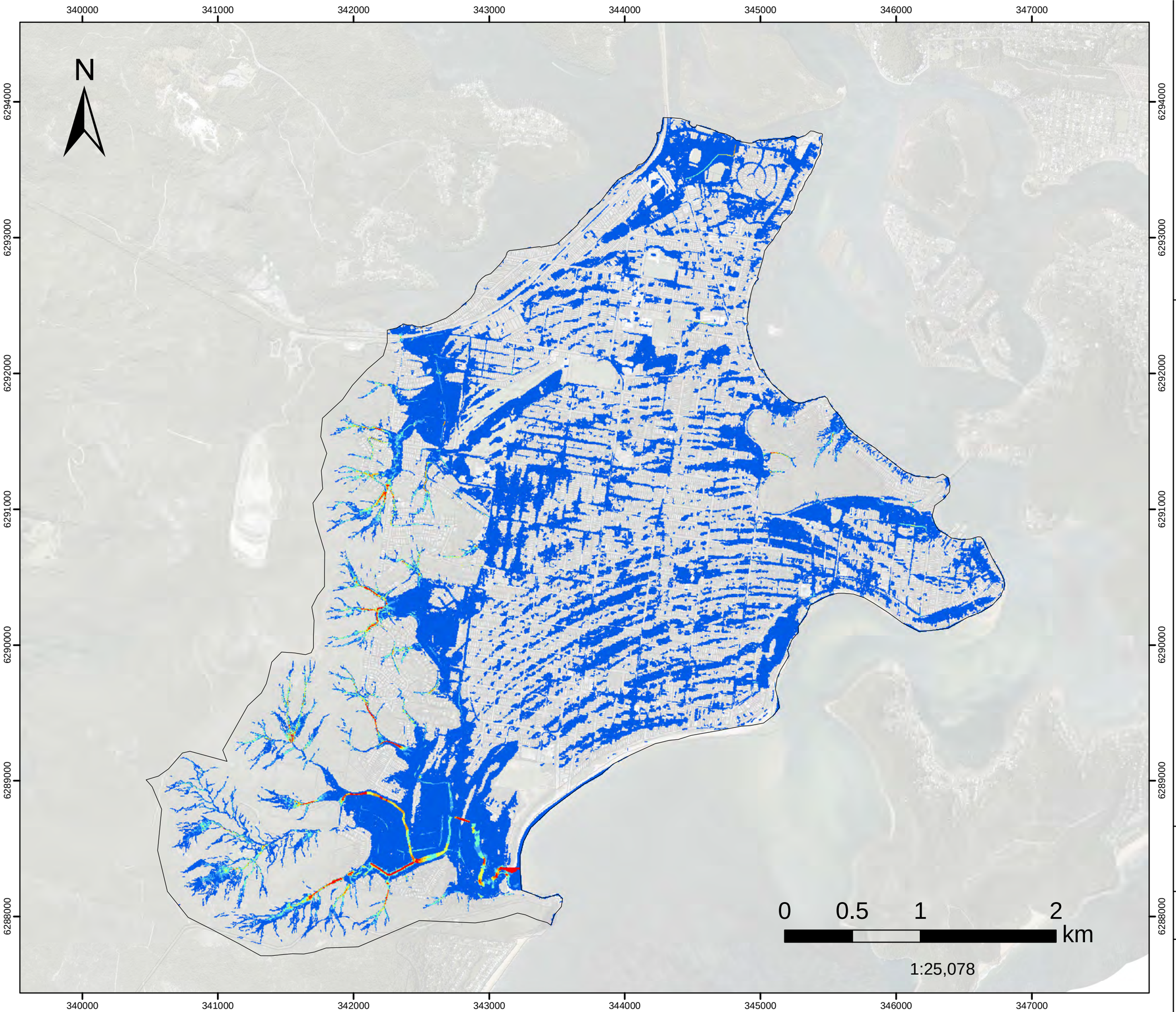

FIGURE L.71

PMF FM03

Infiltration Devices

Peak Velocity

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 2hrs

Model Domain

Velocity (m/s)

- Below 0.75
- 0.76 - 1
- 1.01 - 1.5
- 1.51 - 2
- 2.01 - 2.5
- Above 2.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

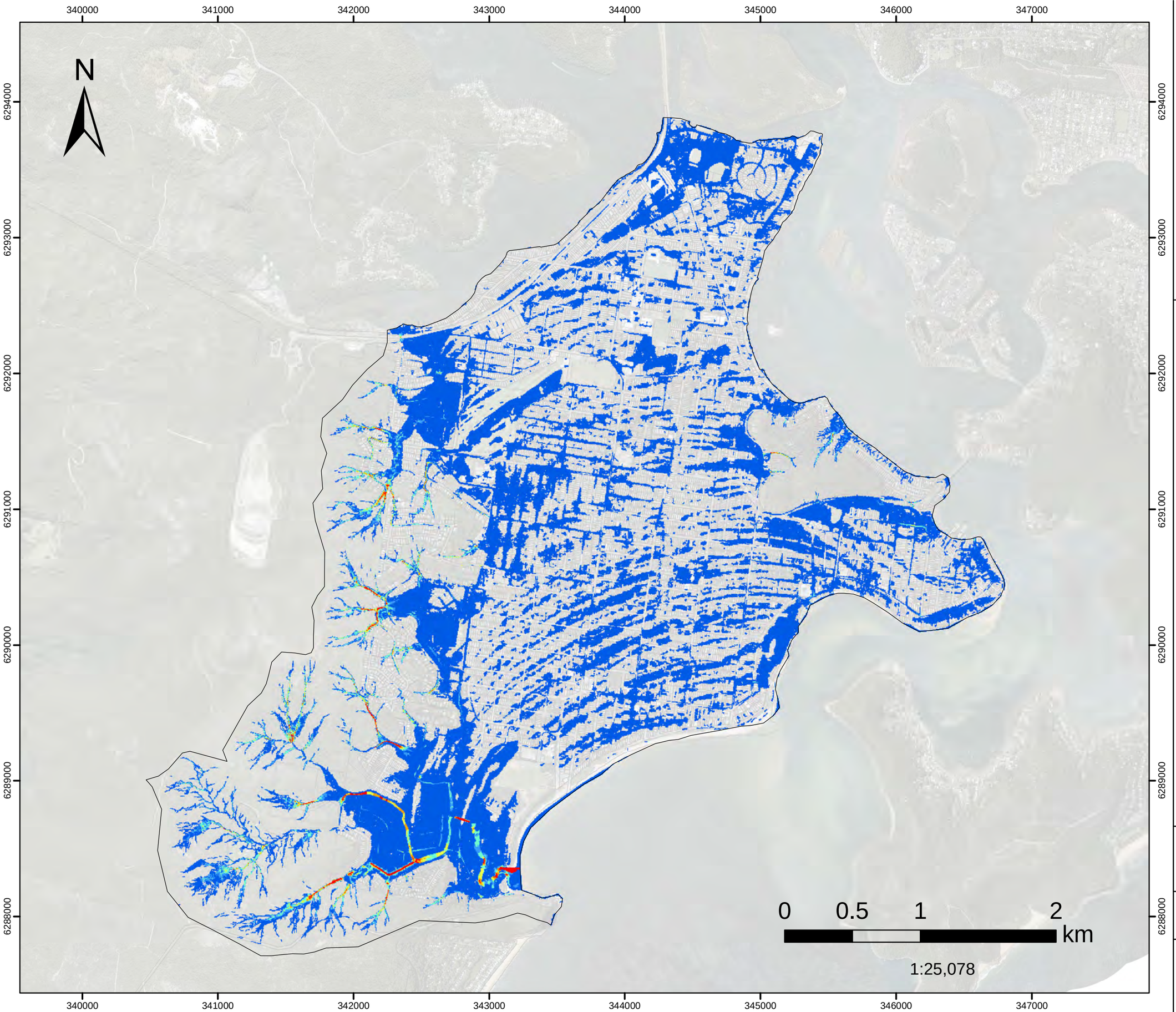

FIGURE L.72

PMF FM05

Greenhaven Dr

Peak Velocity

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 2hrs

Model Domain

Velocity (m/s)

- Below 0.75
- 0.76 - 1
- 1.01 - 1.5
- 1.51 - 2
- 2.01 - 2.5
- Above 2.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

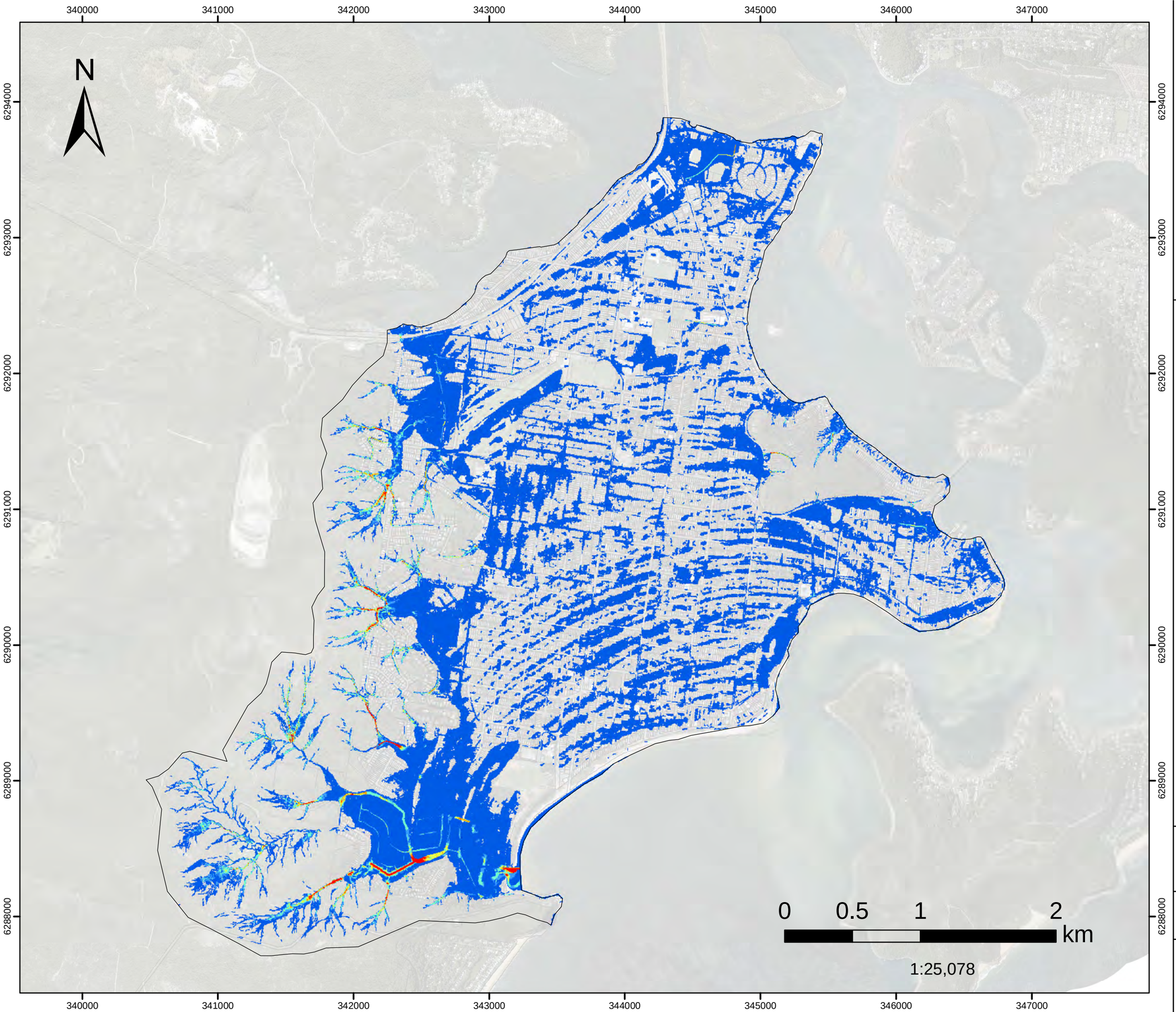

FIGURE L.73

PMF FM06A

Kahibah Ck system maintenance work

Peak Velocity

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2. Assessed for the critical duration 2hrs

Model Domain

Velocity (m/s)

- Below 0.75
- 0.76 - 1
- 1.01 - 1.5
- 1.51 - 2
- 2.01 - 2.5
- Above 2.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

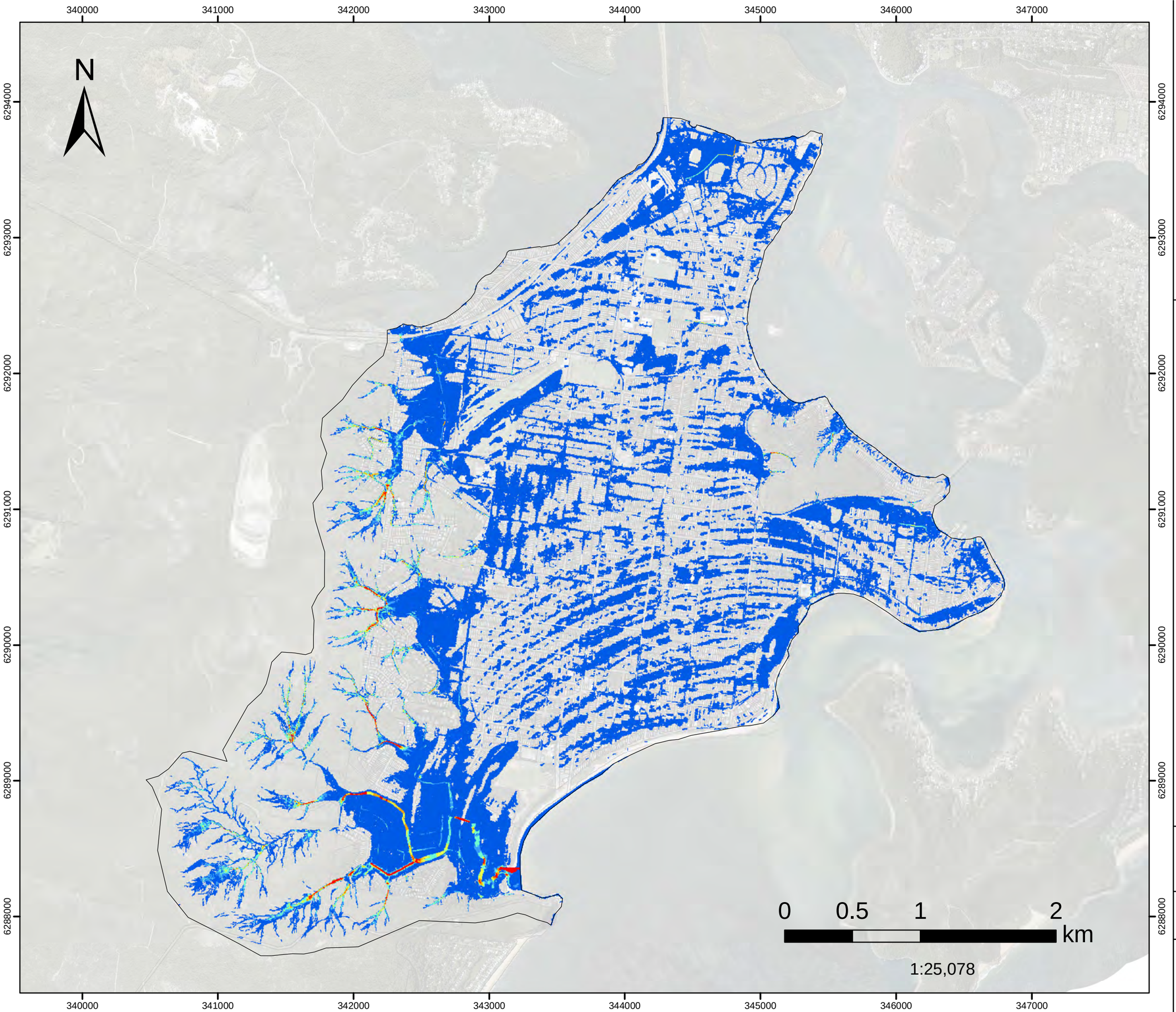

FIGURE L.74

PMF FM08

Palmtree Grove Detention Basin

Peak Velocity

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 2hrs

Model Domain

Velocity (m/s)

- Below 0.75
- 0.76 - 1
- 1.01 - 1.5
- 1.51 - 2
- 2.01 - 2.5
- Above 2.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

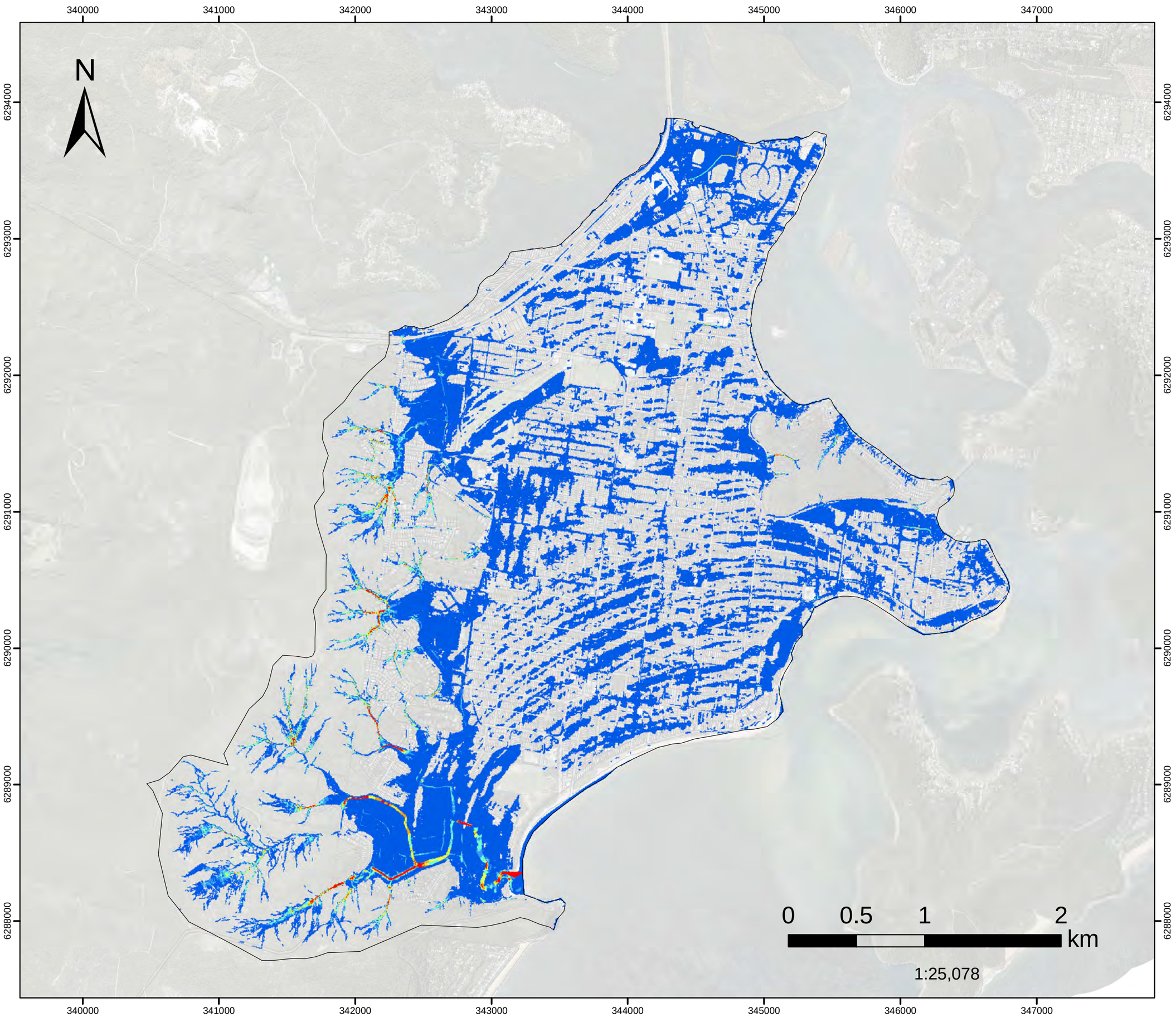

FIGURE L.75

PMF FM10

Neera Rd

Peak Velocity

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 2hrs

Model Domain

Velocity (m/s)

- Below 0.75
- 0.76 - 1
- 1.01 - 1.5
- 1.51 - 2
- 2.01 - 2.5
- Above 2.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

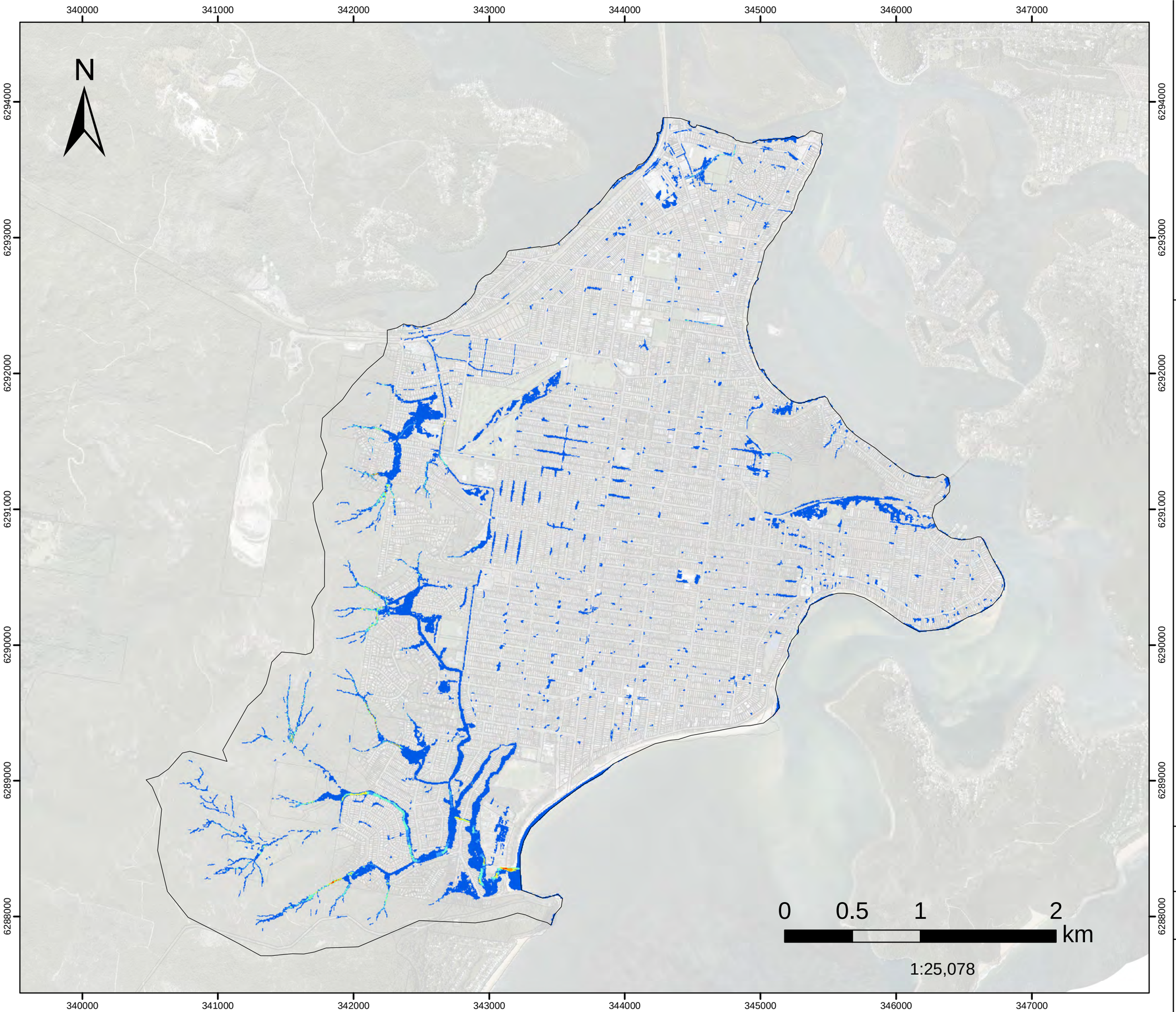

FIGURE L.76

1%AEP FM01

Woy Woy CBD

Peak Velocity

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 6hrs

Model Domain

Velocity (m/s)

- Below 0.75
- 0.76 - 1
- 1.01 - 1.5
- 1.51 - 2
- 2.01 - 2.5
- Above 2.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

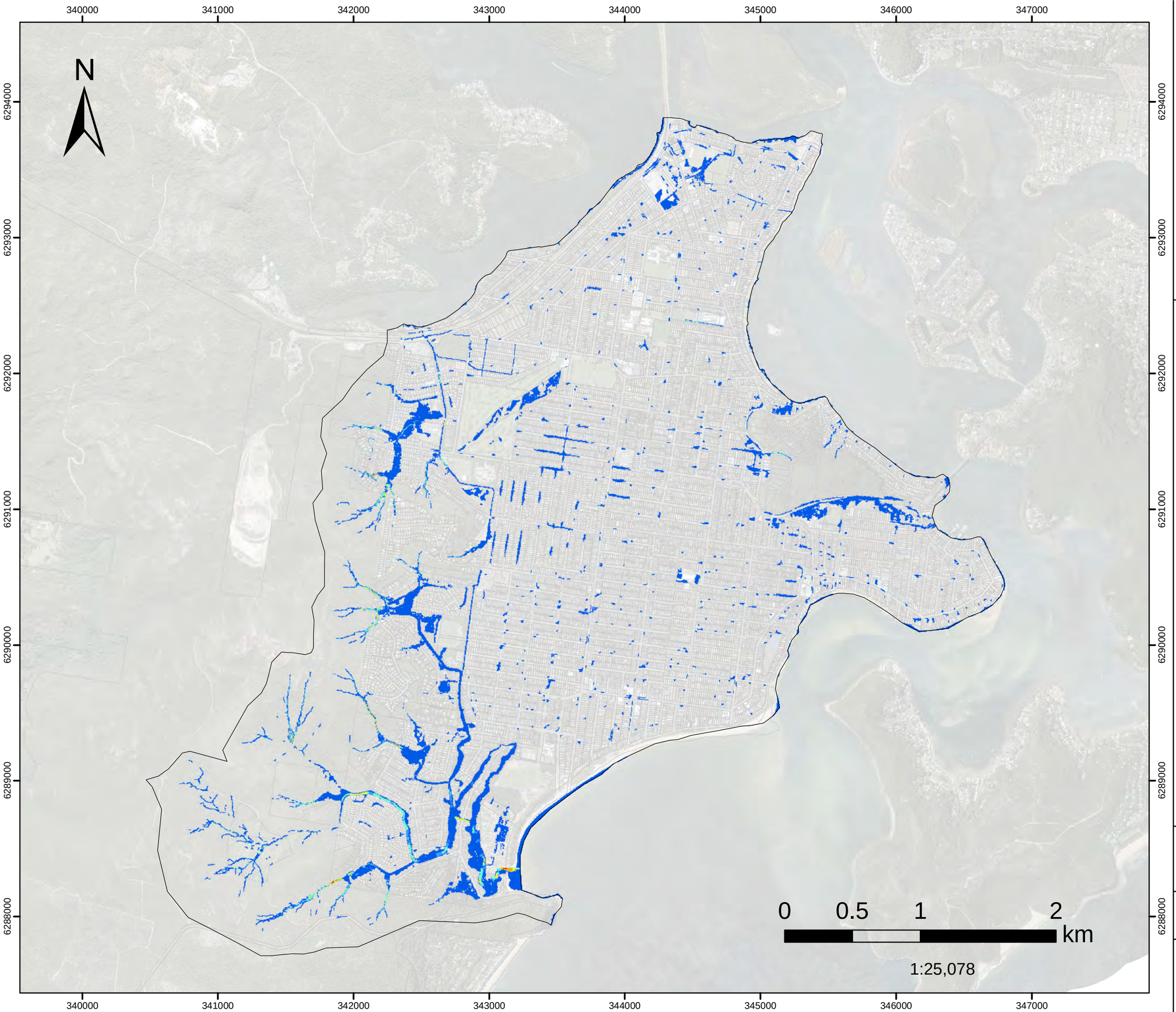

FIGURE L.77

1%AEP FM02

Dulkala Rd to Karingal Cl

Peak Velocity

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 6hrs

Model Domain

Velocity (m/s)

- Below 0.75
- 0.76 - 1
- 1.01 - 1.5
- 1.51 - 2
- 2.01 - 2.5
- Above 2.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

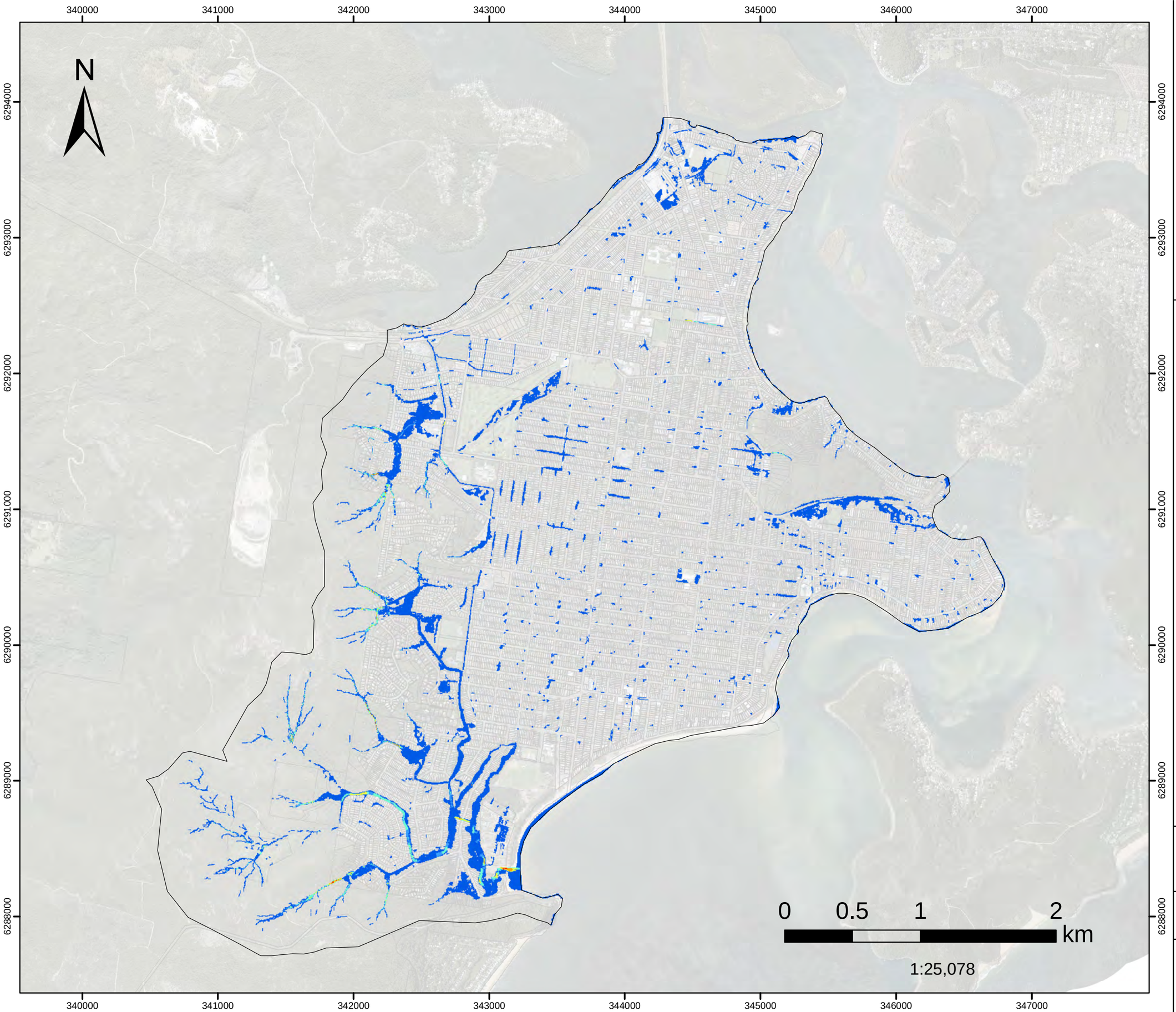

FIGURE L.78

1%AEP FM03

Infiltration Devices

Peak Velocity

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 6hrs

Model Domain

Velocity (m/s)

- Below 0.75
- 0.76 - 1
- 1.01 - 1.5
- 1.51 - 2
- 2.01 - 2.5
- Above 2.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

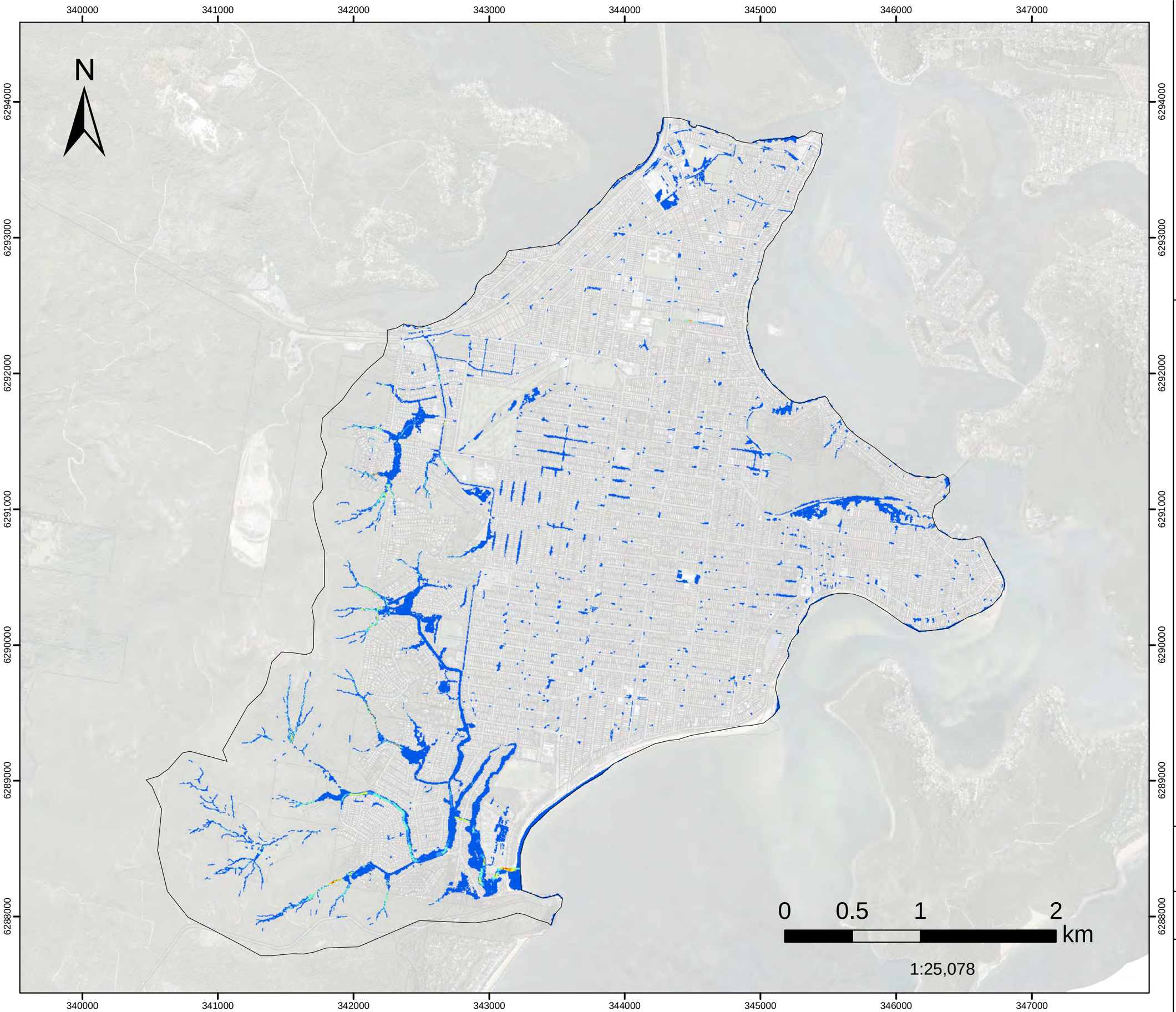

FIGURE L.79

1%AEP FM04

Groundwater pumping and Everglades drainage update work

Peak Velocity

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2. Assessed for the critical duration 6hrs

Model Domain

Velocity (m/s)

- Below 0.75
- 0.76 - 1
- 1.01 - 1.5
- 1.51 - 2
- 2.01 - 2.5
- Above 2.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

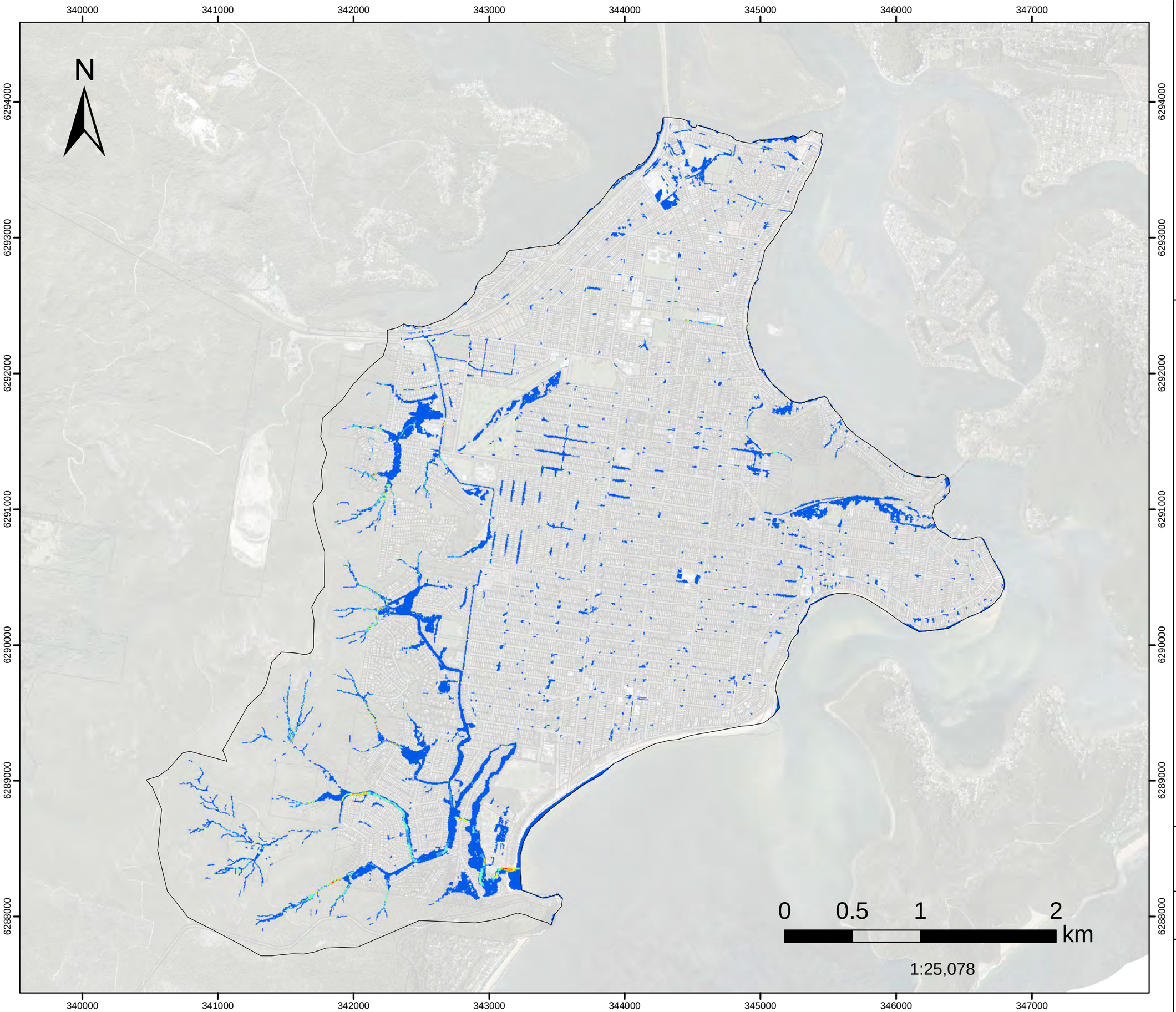

FIGURE L.80

1%AEP FM05

Greenhaven Dr

Peak Velocity

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 6hrs

Model Domain

Velocity (m/s)

- Below 0.75
- 0.76 - 1
- 1.01 - 1.5
- 1.51 - 2
- 2.01 - 2.5
- Above 2.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

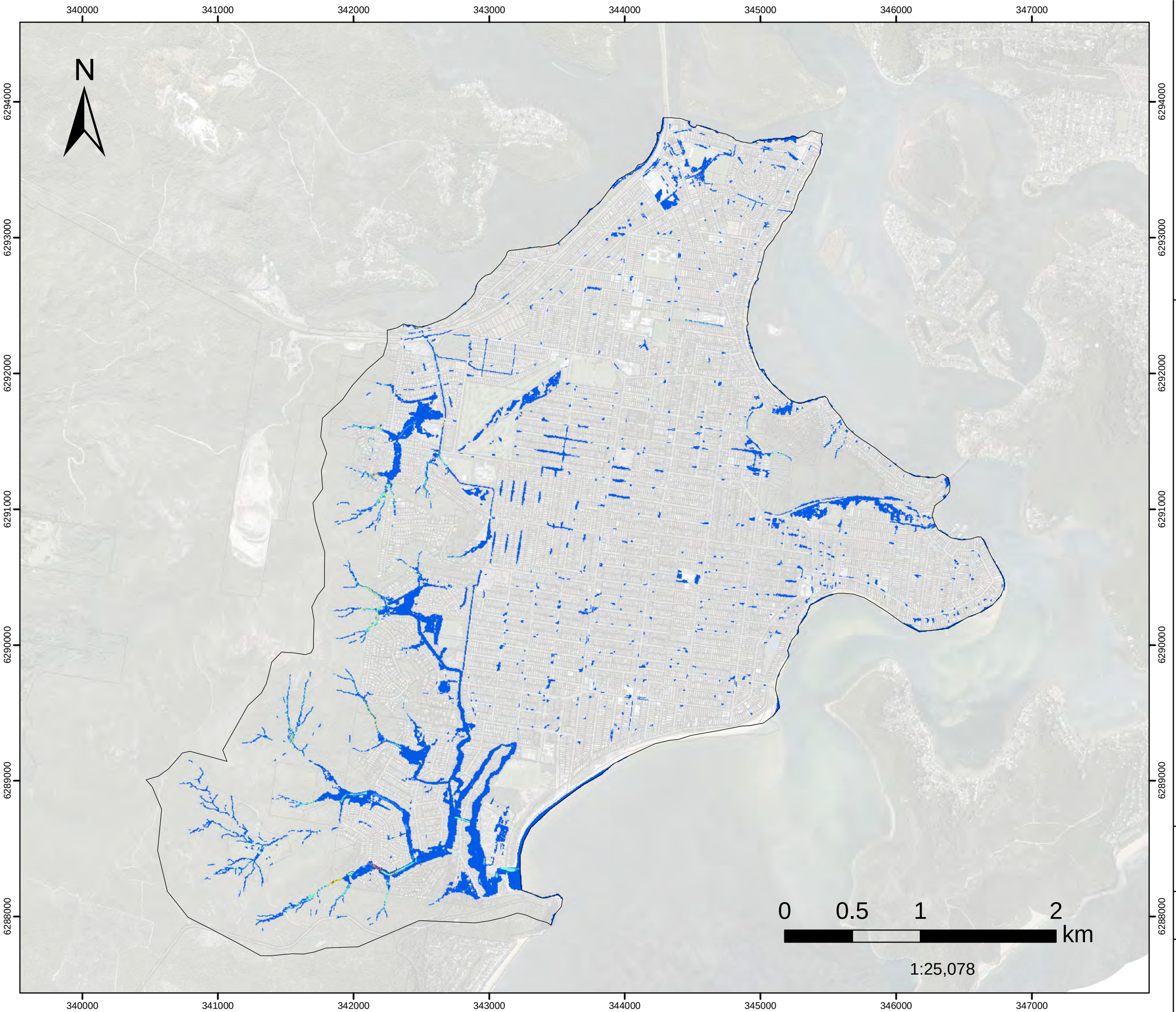

FIGURE L.81

1%AEP FM06A

Kahibah Ck system maintenance work

Peak Velocity

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2. Assessed for the critical duration 6hrs

Model Domain

Velocity (m/s)

- Below 0.75
- 0.76 - 1
- 1.01 - 1.5
- 1.51 - 2
- 2.01 - 2.5
- Above 2.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

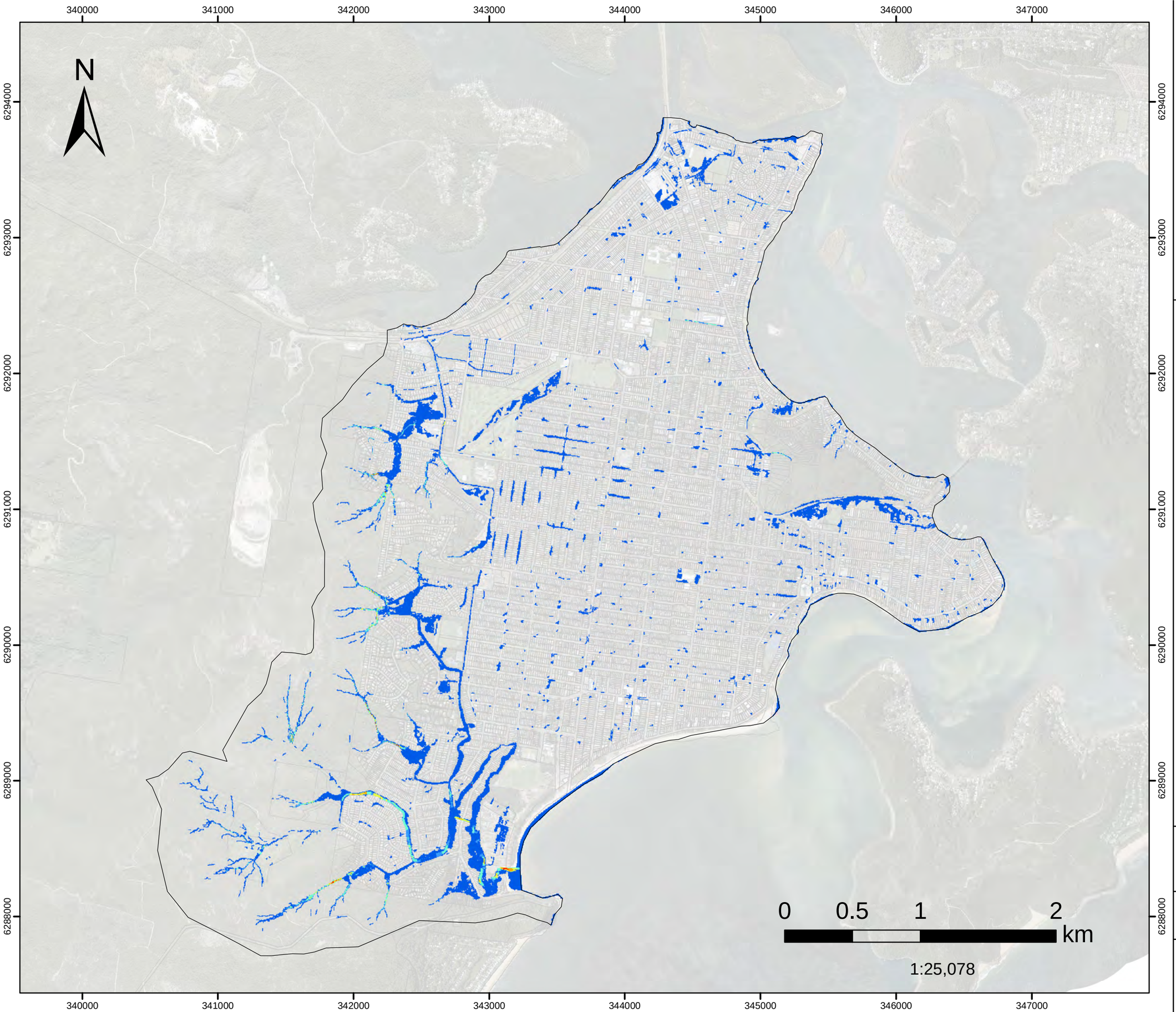

FIGURE L.82

1%AEP FM06B

Further improvement of the Kahibah Creek system maintenance work

Peak Velocity

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 6hrs

Model Domain

Velocity (m/s)

- Below 0.75
- 0.76 - 1
- 1.01 - 1.5
- 1.51 - 2
- 2.01 - 2.5
- Above 2.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

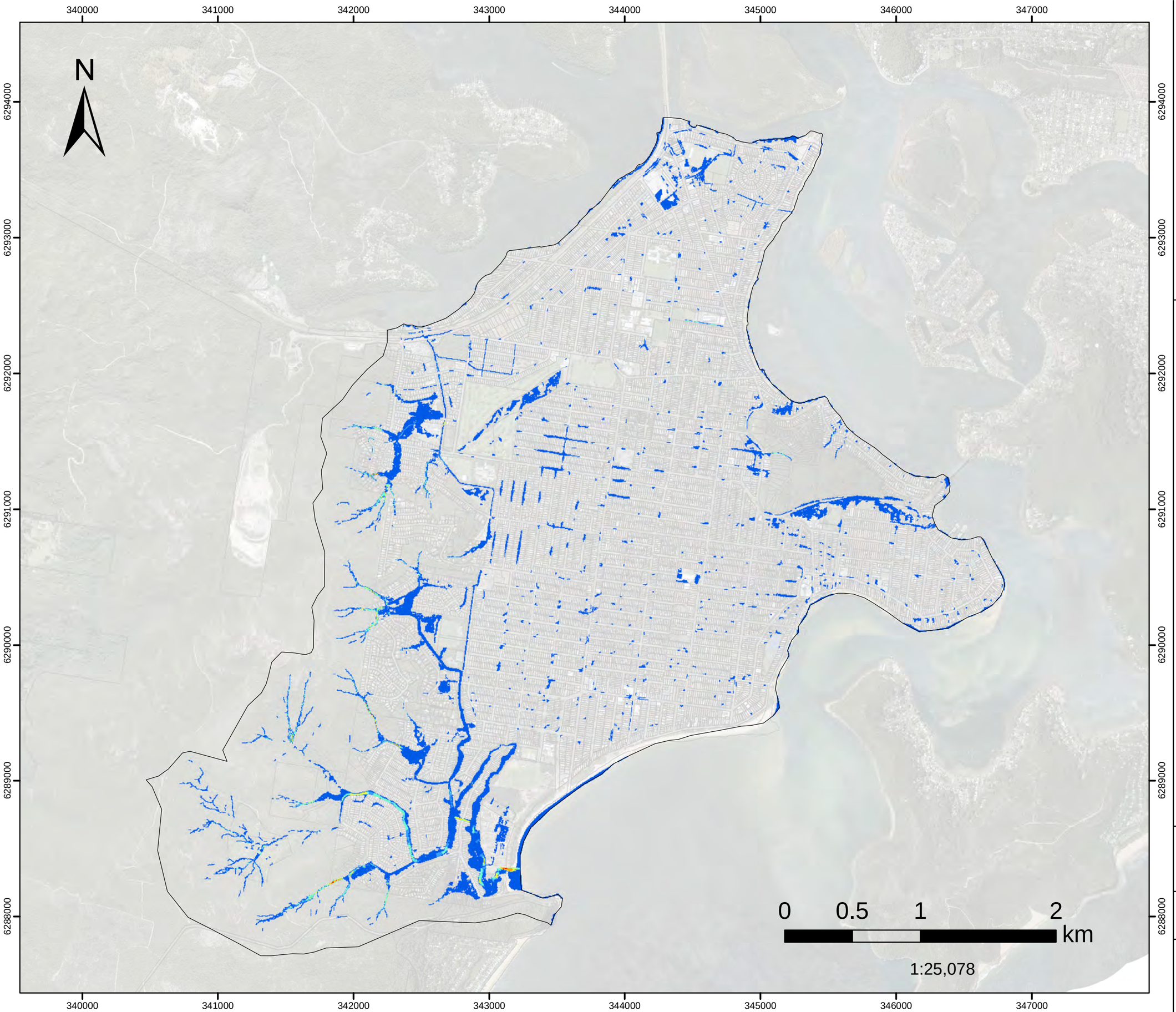

FIGURE L.83

1%AEP FM08

Palmtree Grove Detention Basin

Peak Velocity

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 6hrs

Model Domain

Velocity (m/s)

- Below 0.75
- 0.76 - 1
- 1.01 - 1.5
- 1.51 - 2
- 2.01 - 2.5
- Above 2.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

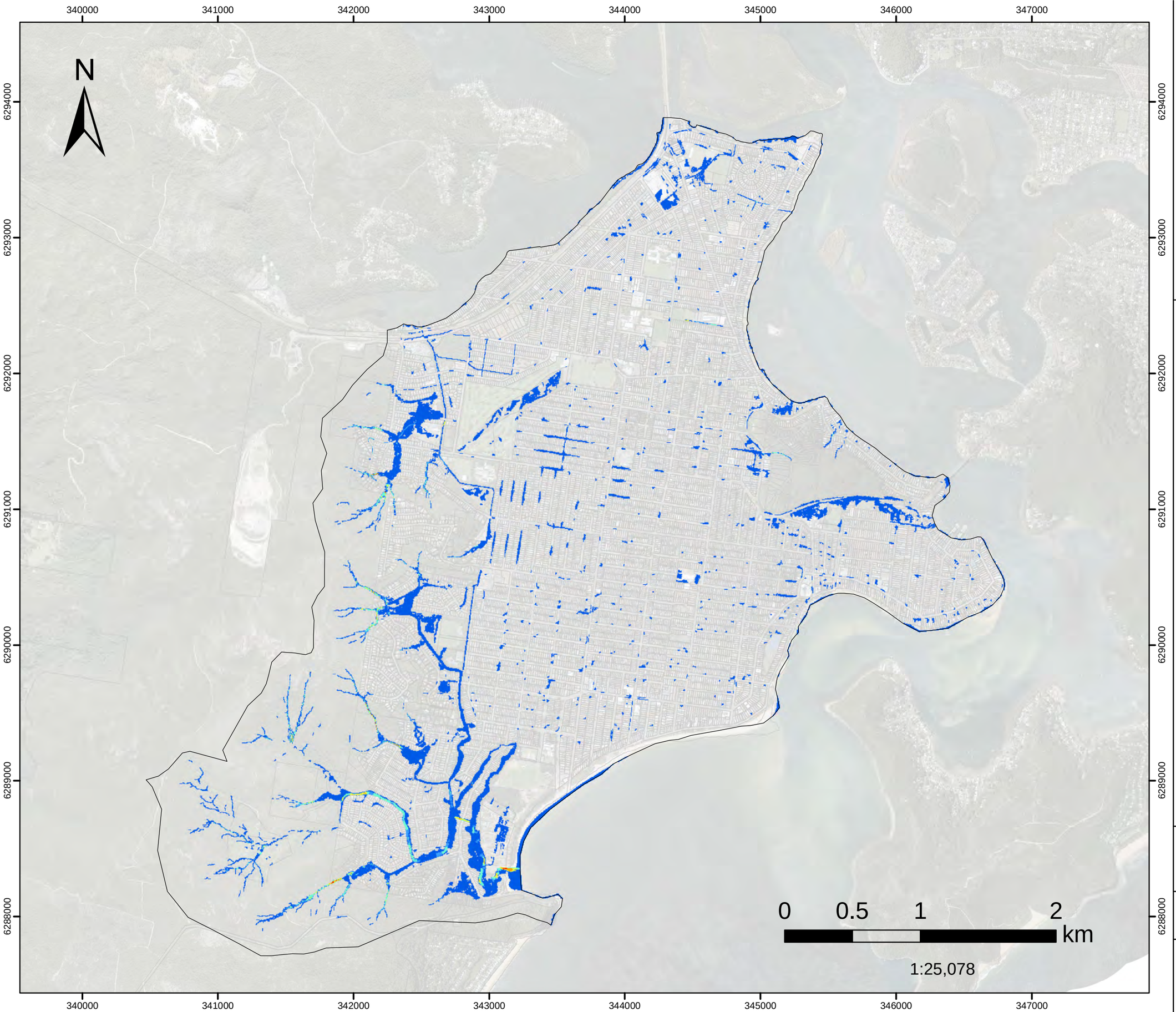

FIGURE L.84

1%AEP FM09

Wilks Av and McManus Cl

Peak Velocity

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2. Assessed for the critical duration 6hrs

Model Domain

Velocity (m/s)

- Below 0.75
- 0.76 - 1
- 1.01 - 1.5
- 1.51 - 2
- 2.01 - 2.5
- Above 2.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

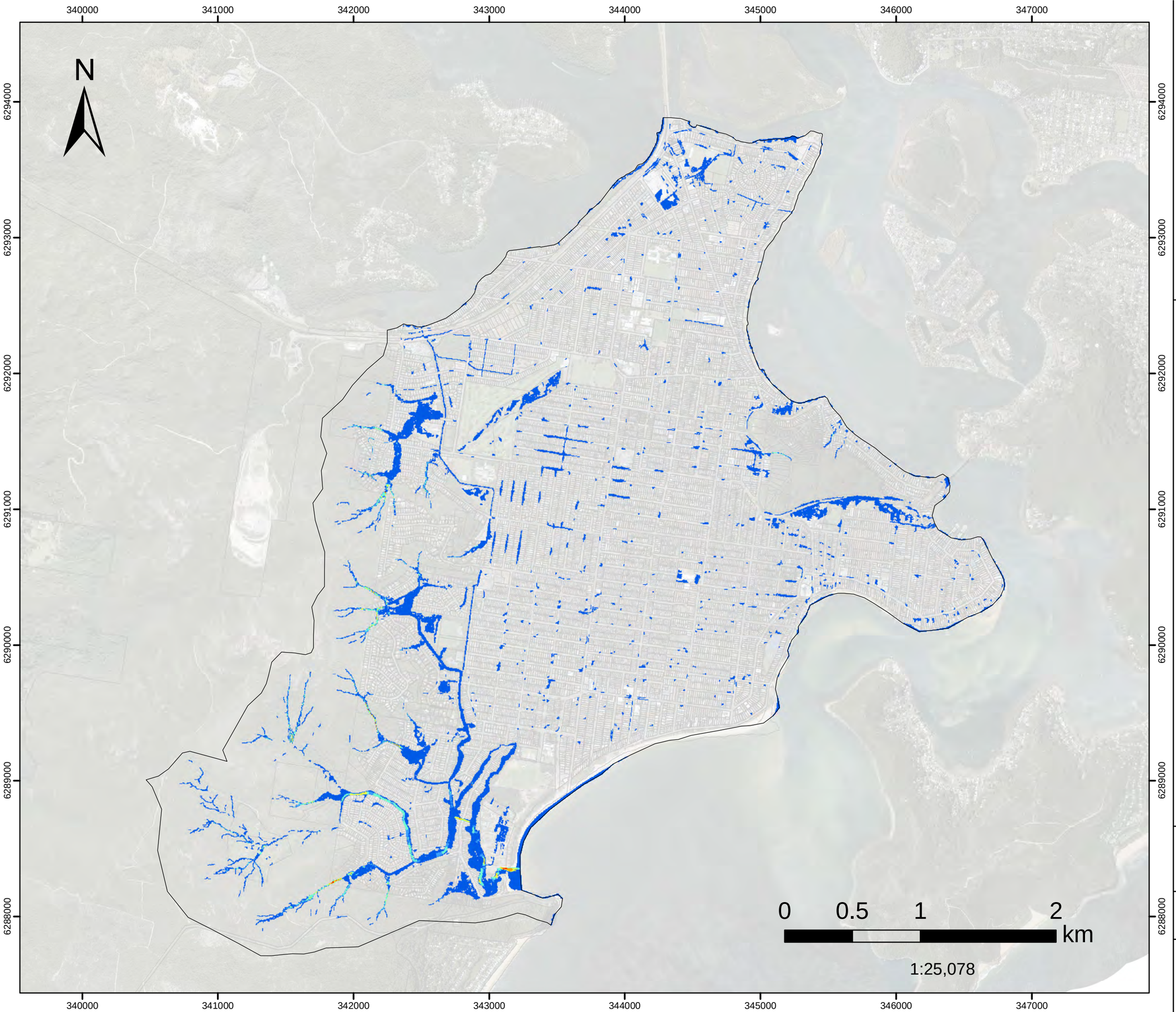

FIGURE L.85

1%AEP FM10

Neera Rd

Peak Velocity

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 6hrs

Model Domain

Velocity (m/s)

- Below 0.75
- 0.76 - 1
- 1.01 - 1.5
- 1.51 - 2
- 2.01 - 2.5
- Above 2.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

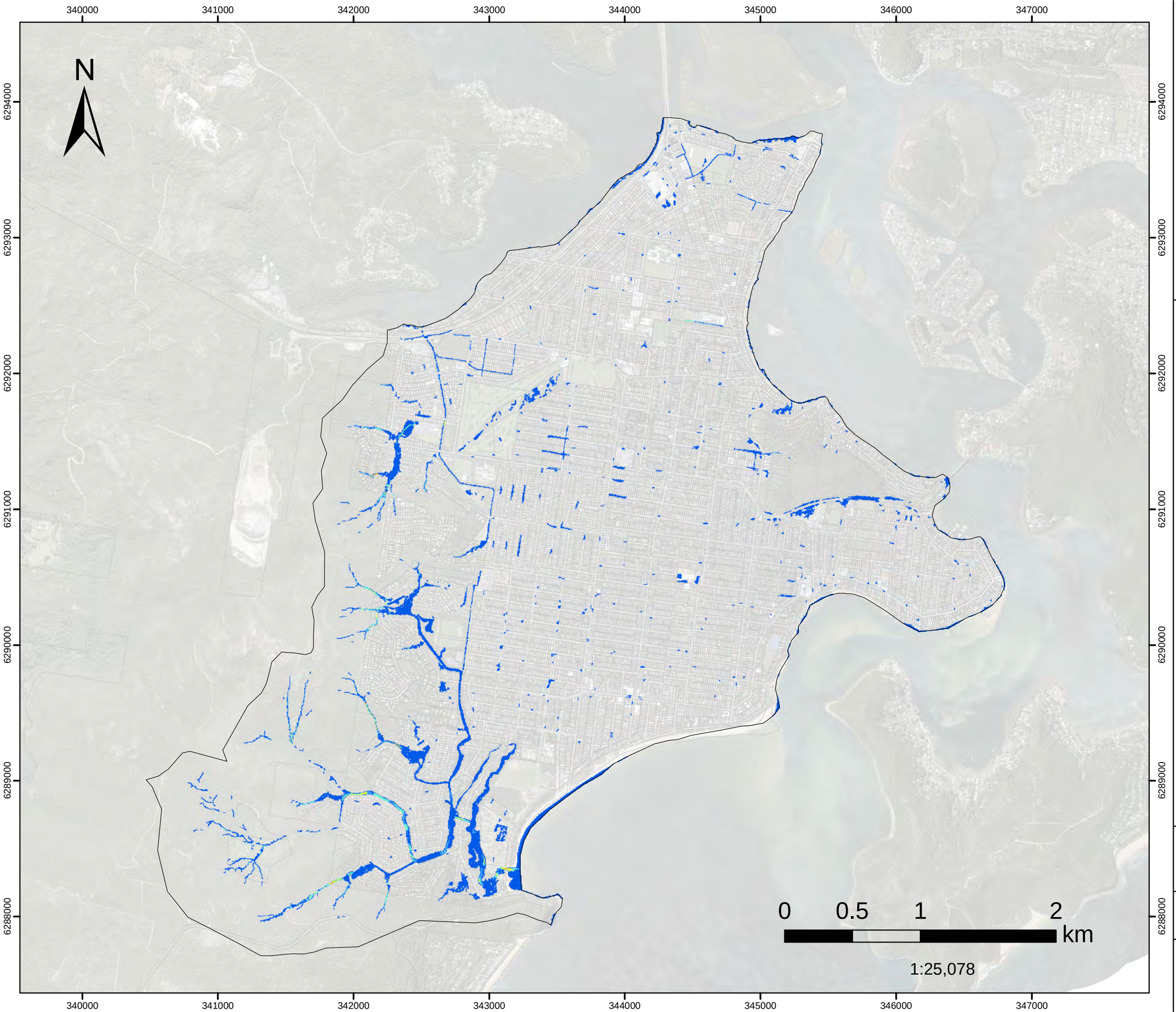

FIGURE L.86

10%AEP FM01

Woy Woy CBD

Peak Velocity

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 3hrs

Model Domain

Velocity (m/s)

- Below 0.75
- 0.76 - 1
- 1.01 - 1.5
- 1.51 - 2
- 2.01 - 2.5
- Above 2.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

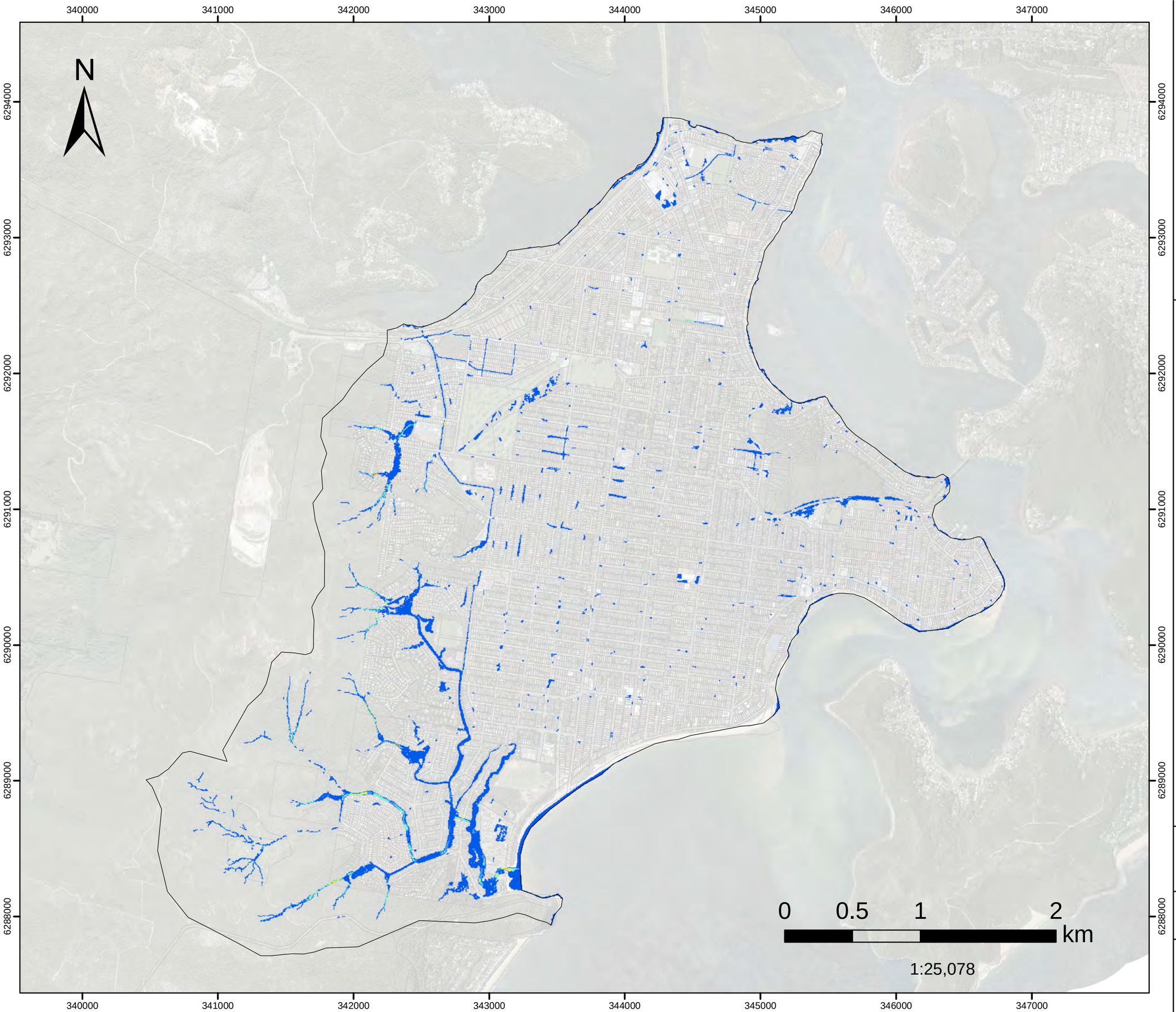

FIGURE L.87

10%AEP FM02

Dulkala Rd to Karingal Cl

Peak Velocity

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2. Assessed for the critical duration 3hrs

Model Domain

Velocity (m/s)

- Below 0.75
- 0.76 - 1
- 1.01 - 1.5
- 1.51 - 2
- 2.01 - 2.5
- Above 2.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

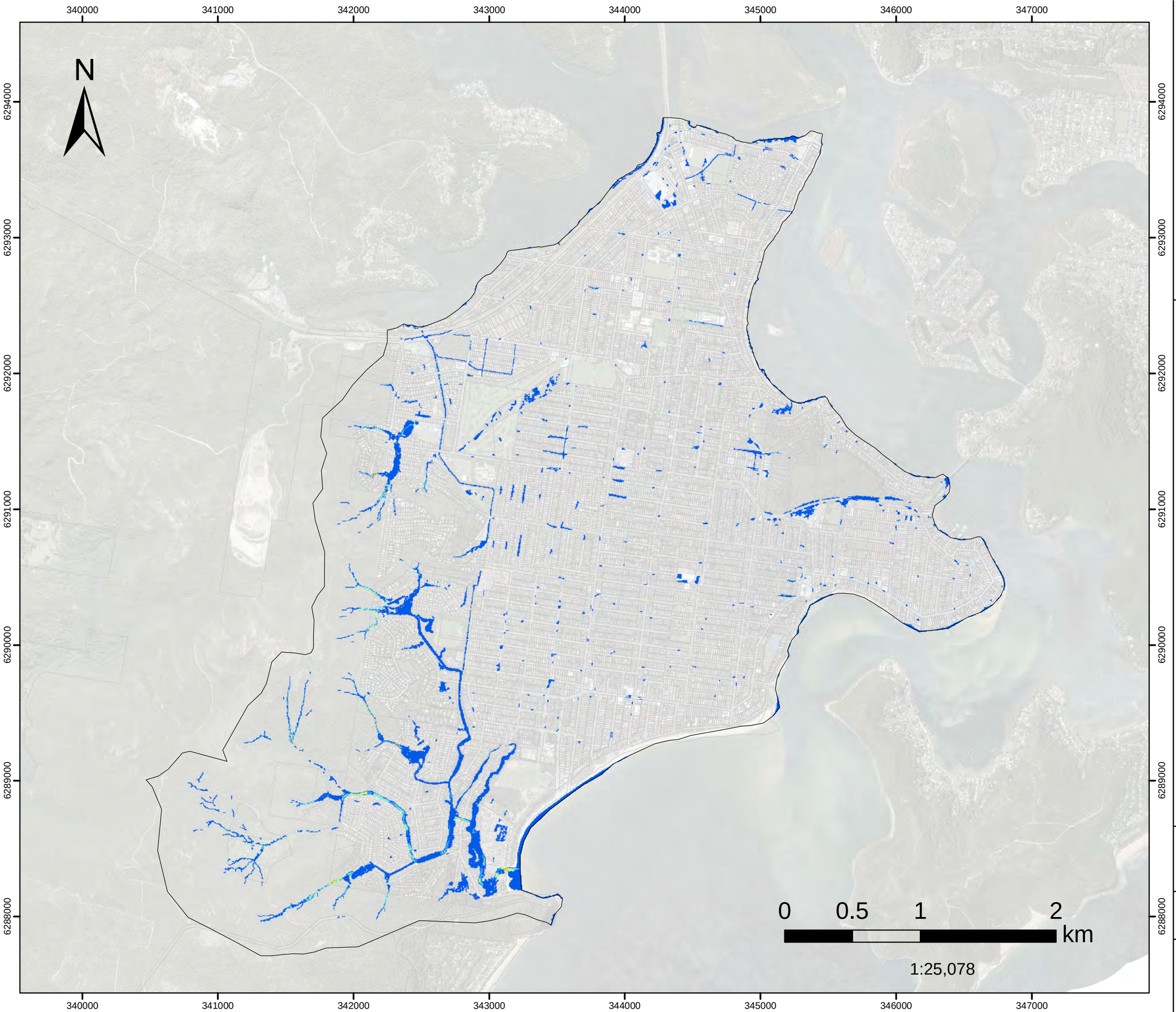

FIGURE L.88

10%AEP FM03

Infiltration Devices

Peak Velocity

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 3hrs

Model Domain

Velocity (m/s)

- Below 0.75
- 0.76 - 1
- 1.01 - 1.5
- 1.51 - 2
- 2.01 - 2.5
- Above 2.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

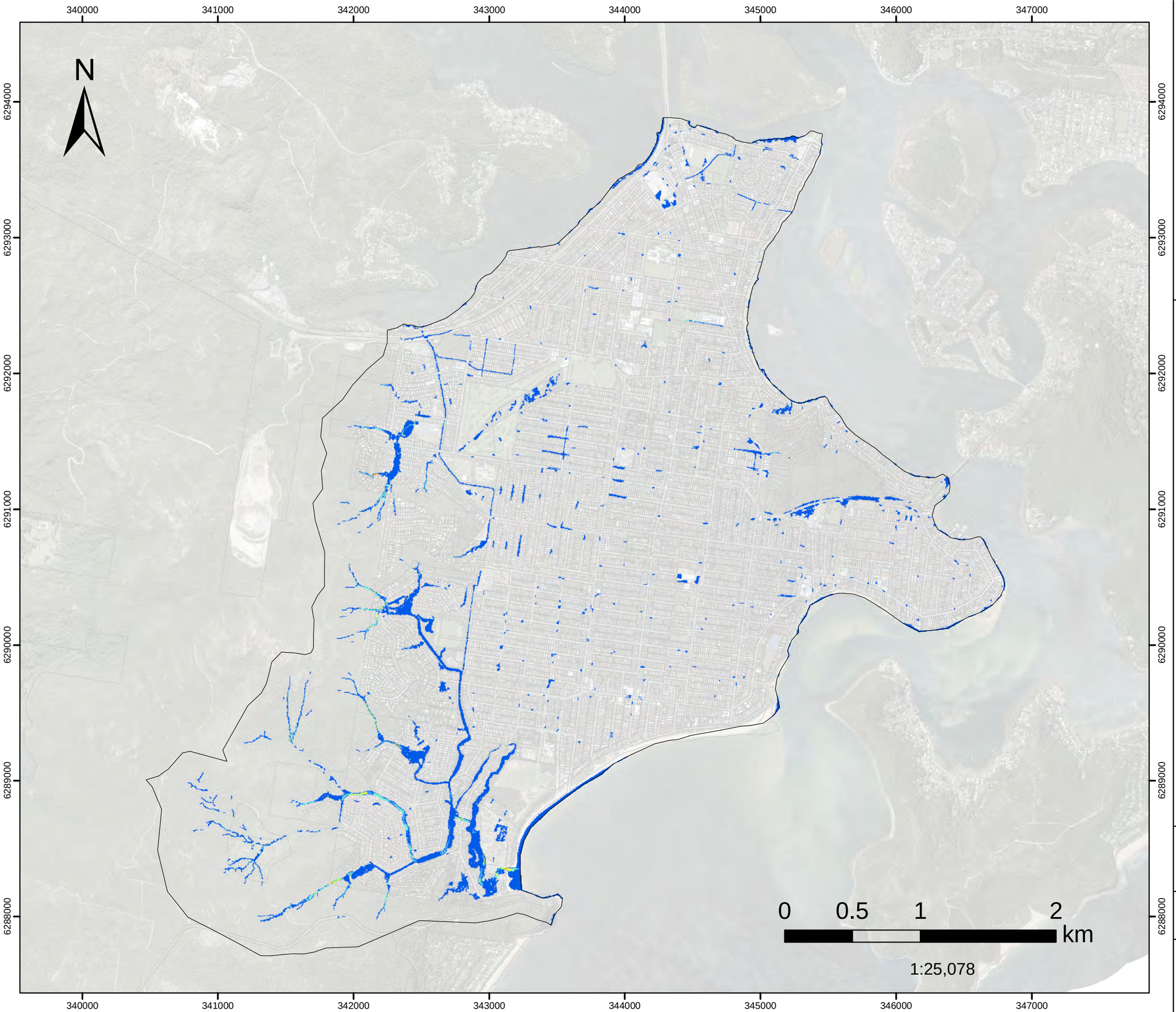

FIGURE L.89

10%AEP FM05

Greenhaven Dr

Peak Velocity

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 3hrs

Model Domain

Velocity (m/s)

- Below 0.75
- 0.76 - 1
- 1.01 - 1.5
- 1.51 - 2
- 2.01 - 2.5
- Above 2.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

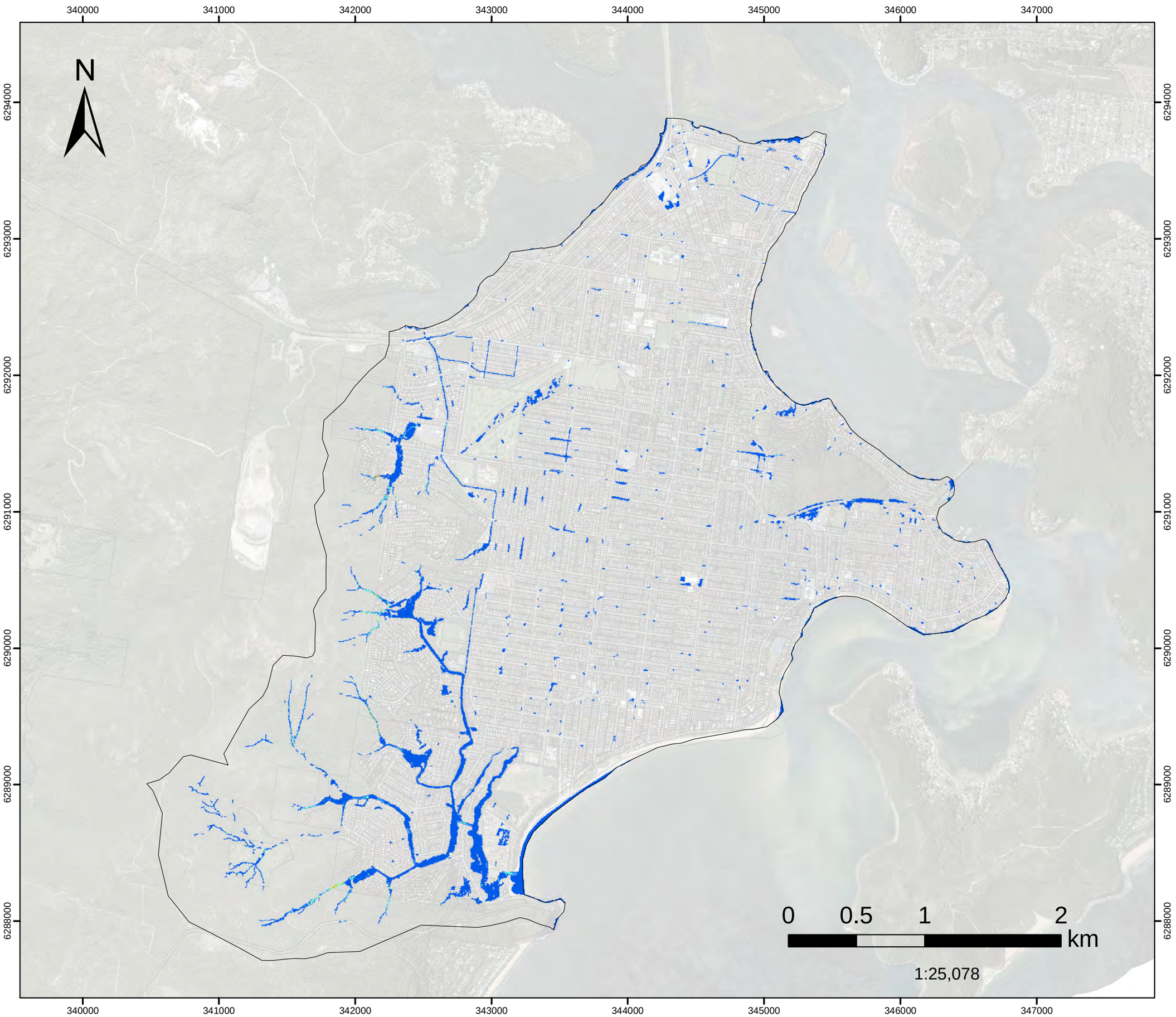

FIGURE L.90

10%AEP FM06A

Kahibah Ck system maintenance work

Peak Velocity

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2. Assessed for the critical duration 3hrs

Model Domain

Velocity (m/s)

- Below 0.75
- 0.76 - 1
- 1.01 - 1.5
- 1.51 - 2
- 2.01 - 2.5
- Above 2.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

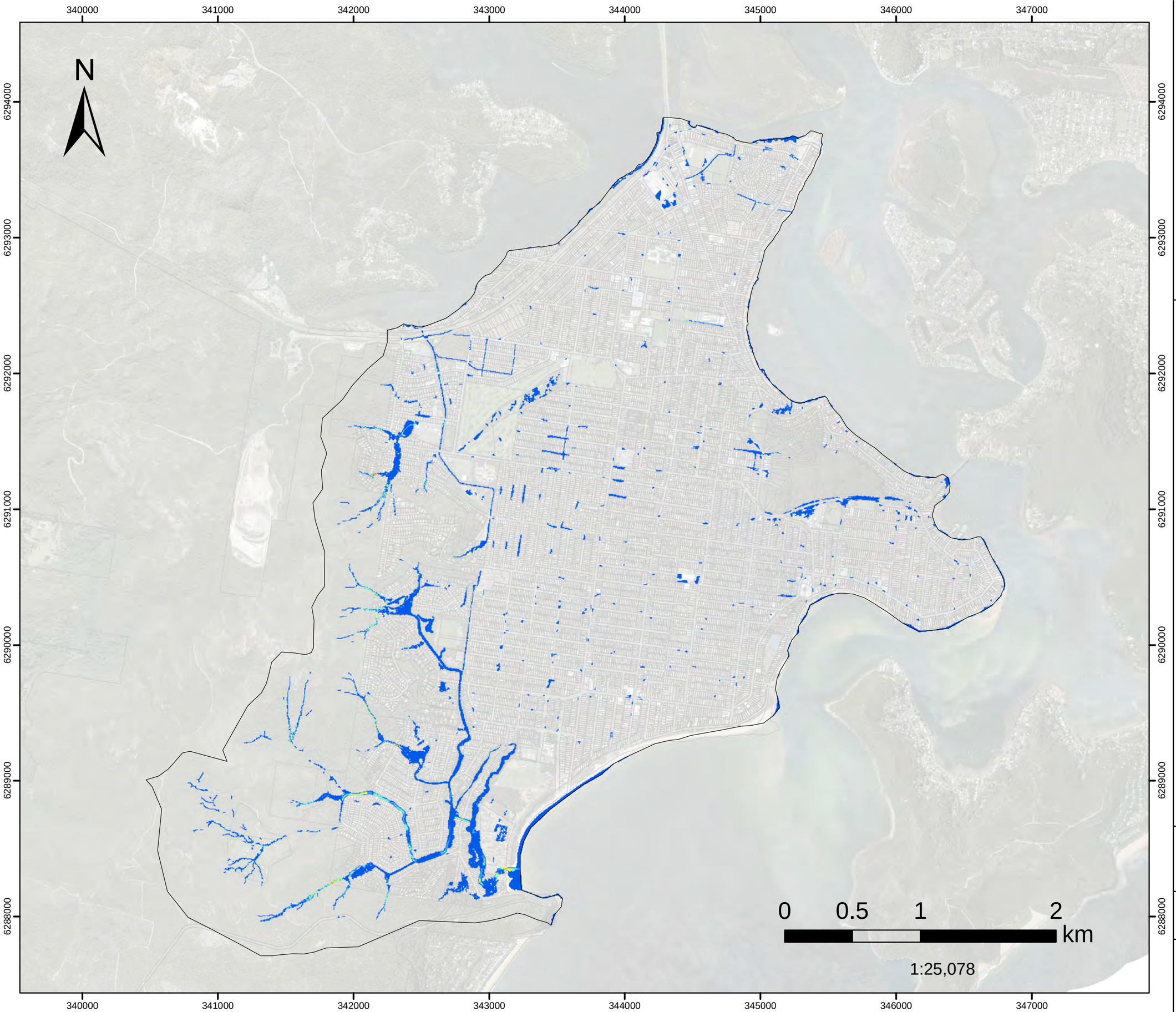

FIGURE L.91

10%AEP FM08

Palmtree Grove Detention Basin

Peak Velocity

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2. Assessed for the critical duration 3hrs

Model Domain

Velocity (m/s)

- Below 0.75
- 0.76 - 1
- 1.01 - 1.5
- 1.51 - 2
- 2.01 - 2.5
- Above 2.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

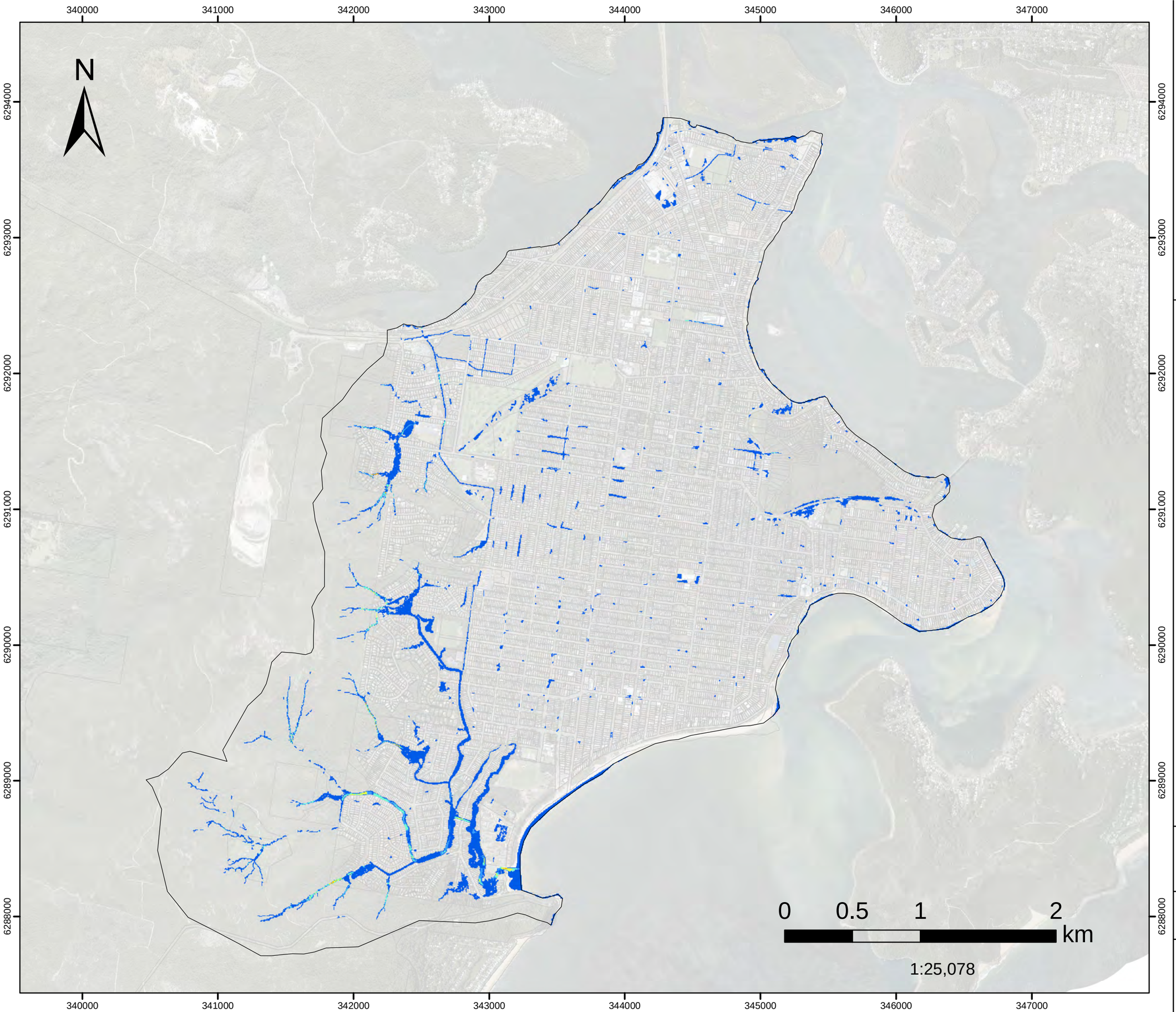

FIGURE L.92

10%AEP FM10

Neera Rd

Peak Velocity

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2. Assessed for the critical duration 3hrs

Model Domain

Velocity (m/s)

- Below 0.75
- 0.76 - 1
- 1.01 - 1.5
- 1.51 - 2
- 2.01 - 2.5
- Above 2.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
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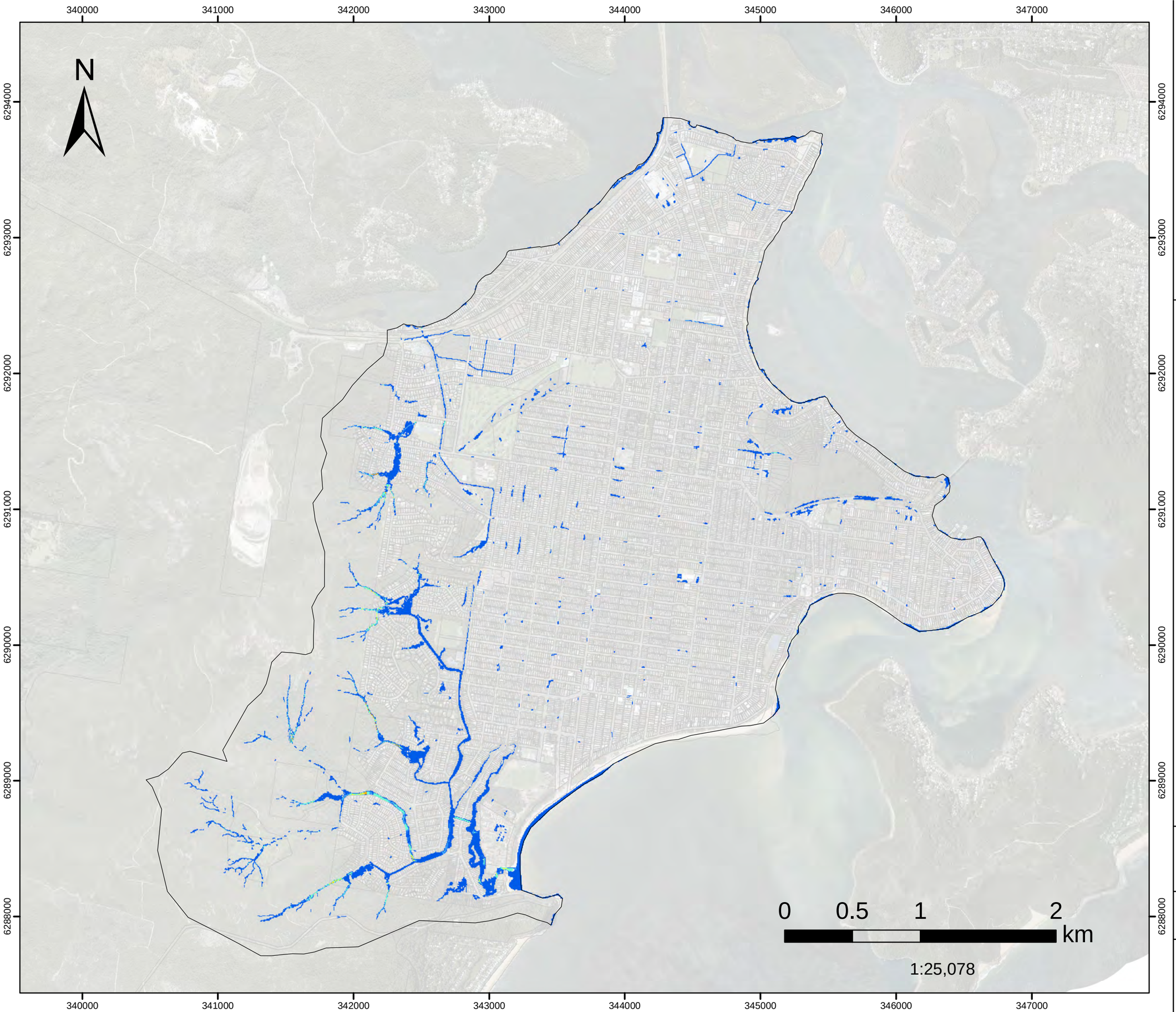

FIGURE L.93

20%AEP FM01

Woy Woy CBD

Peak Velocity

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 1hr

Model Domain

Velocity (m/s)

- Below 0.75
- 0.76 - 1
- 1.01 - 1.5
- 1.51 - 2
- 2.01 - 2.5
- Above 2.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

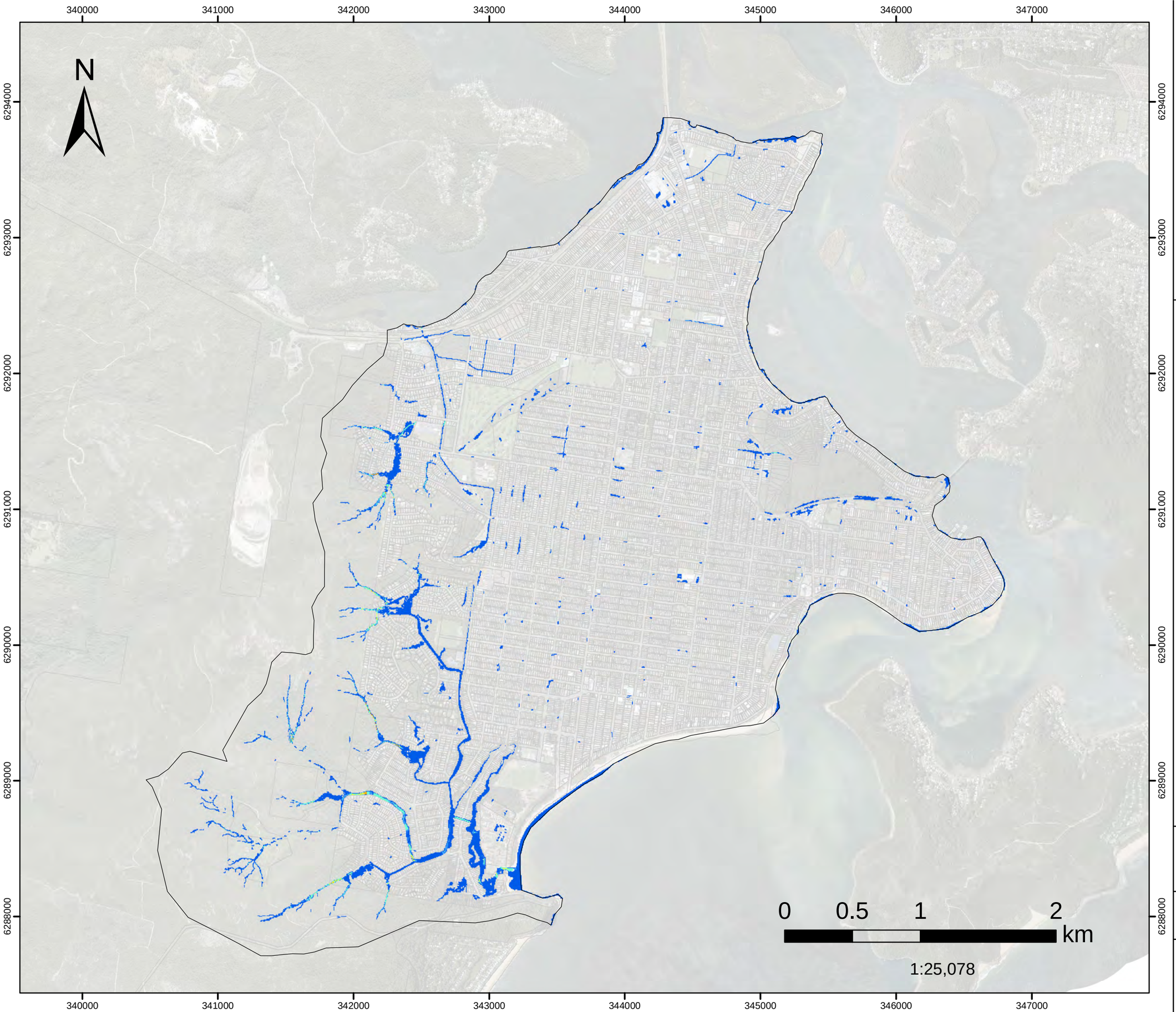

FIGURE L.94

20%AEP FM02

Dulkala Rd to Karingal Cl

Peak Velocity

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2. Assessed for the critical duration 1hr

Model Domain

Velocity (m/s)

- Below 0.75
- 0.76 - 1
- 1.01 - 1.5
- 1.51 - 2
- 2.01 - 2.5
- Above 2.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
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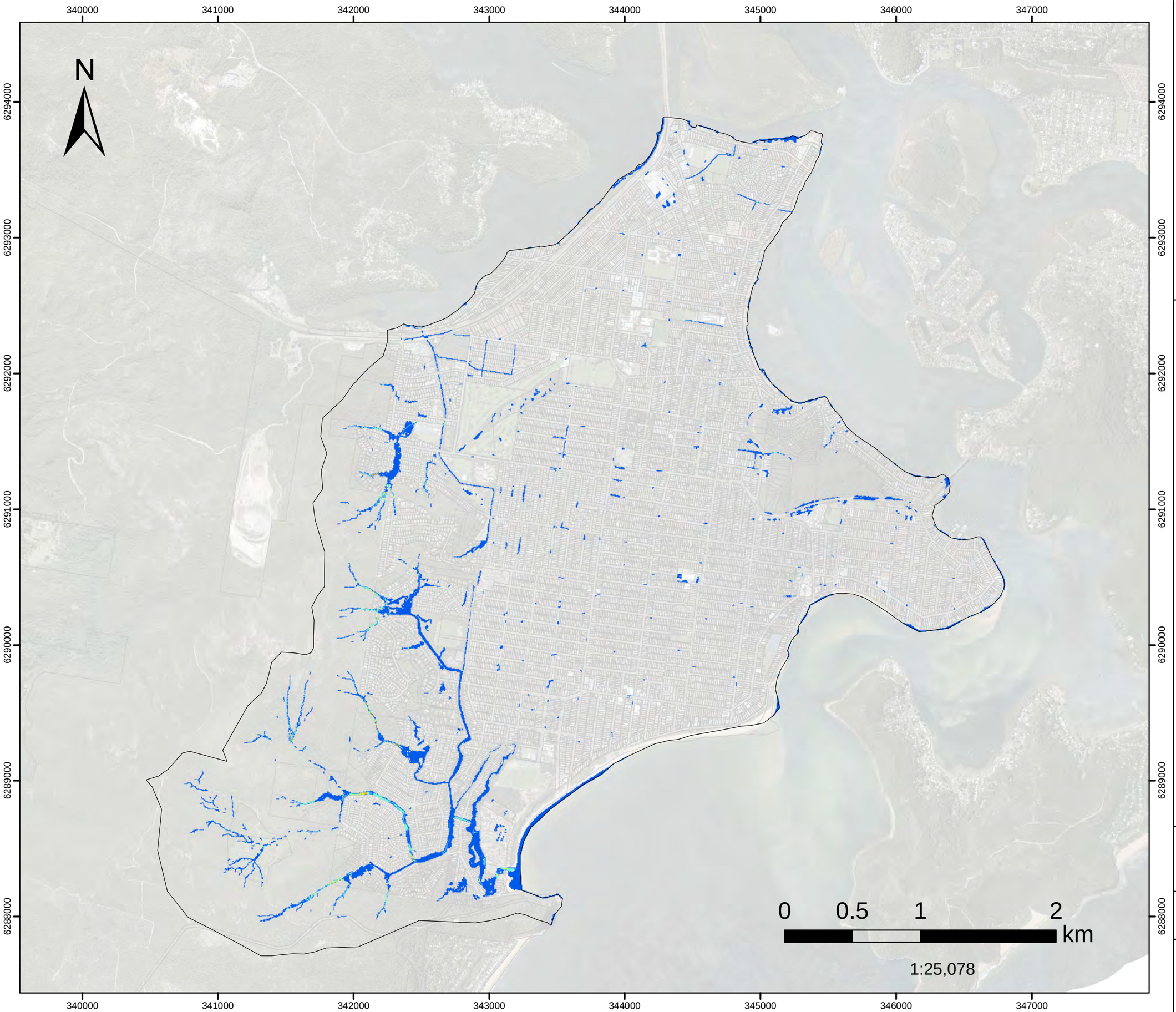

FIGURE L.95

20%AEP FM03

Infiltration Devices

Peak Velocity

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 1hr

Model Domain

Velocity (m/s)

- Below 0.75
- 0.76 - 1
- 1.01 - 1.5
- 1.51 - 2
- 2.01 - 2.5
- Above 2.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
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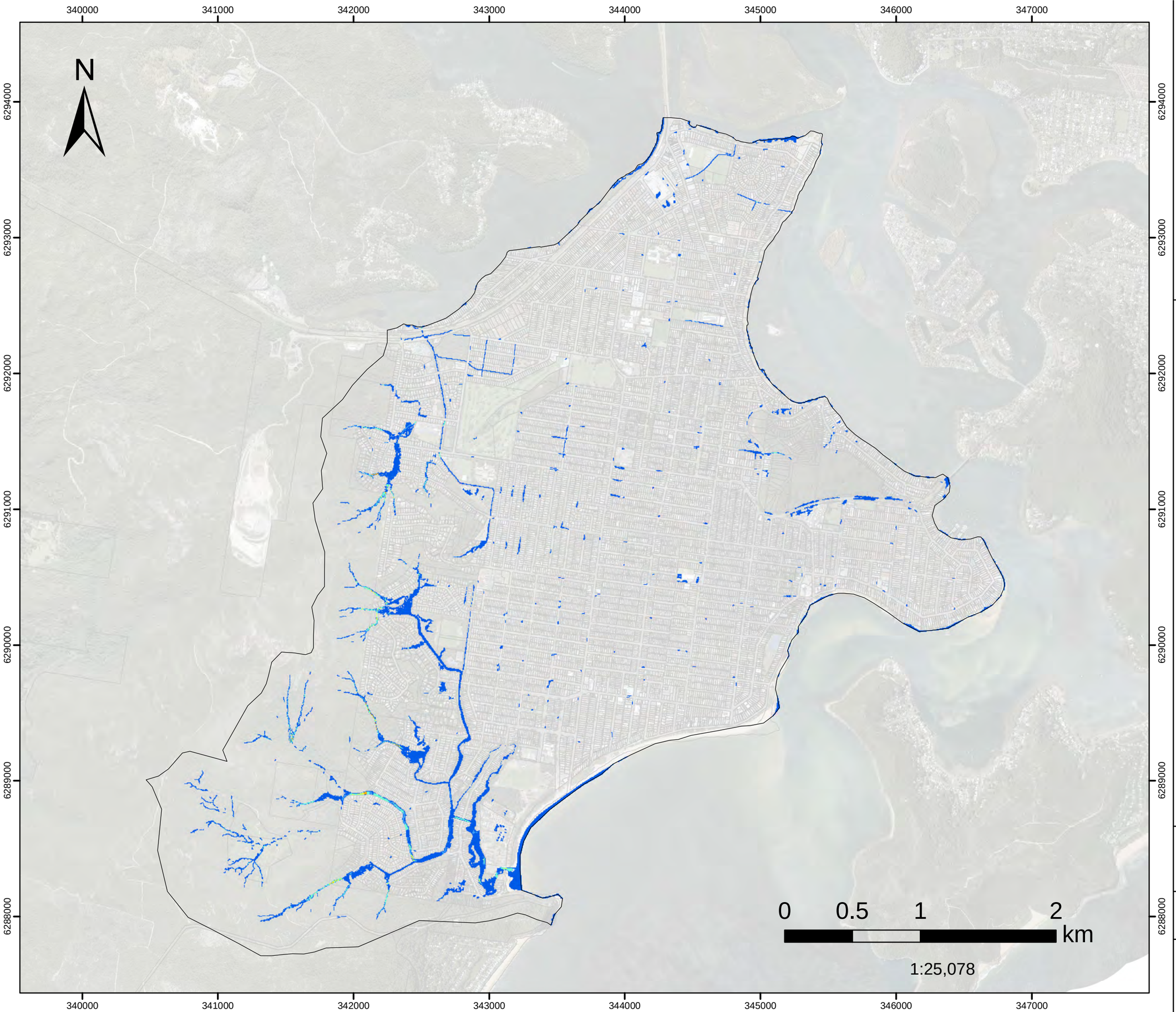

FIGURE L.96

20%AEP FM04

Groundwater pumping and Everglades drainage update work

Peak Velocity

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2. Assessed for the critical duration 1hr

Model Domain

Velocity (m/s)

- Below 0.75
- 0.76 - 1
- 1.01 - 1.5
- 1.51 - 2
- 2.01 - 2.5
- Above 2.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

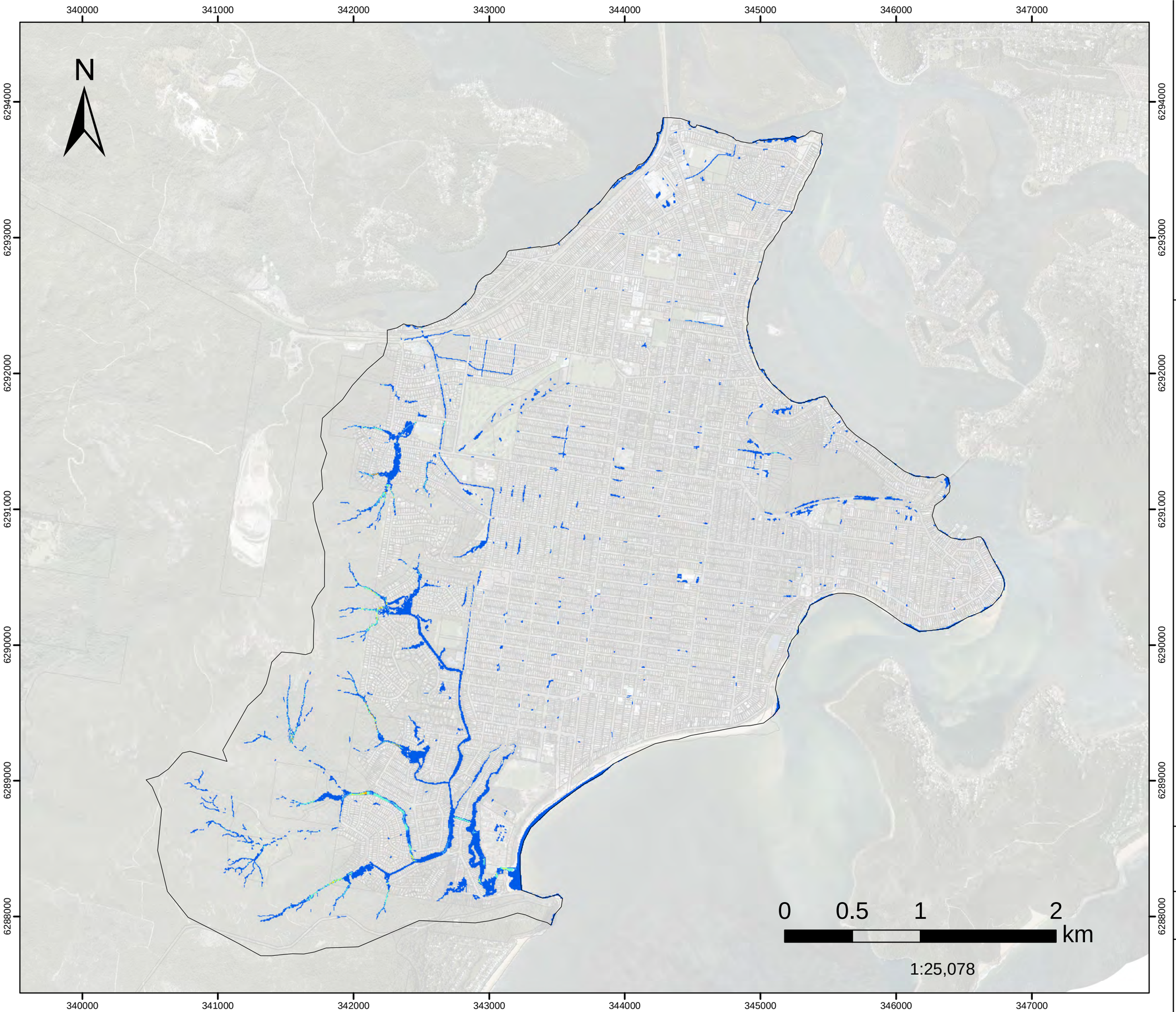

FIGURE L.97

20%AEP FM05

Greenhaven Dr

Peak Velocity

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 1hr

Model Domain

Velocity (m/s)

- Below 0.75
- 0.76 - 1
- 1.01 - 1.5
- 1.51 - 2
- 2.01 - 2.5
- Above 2.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

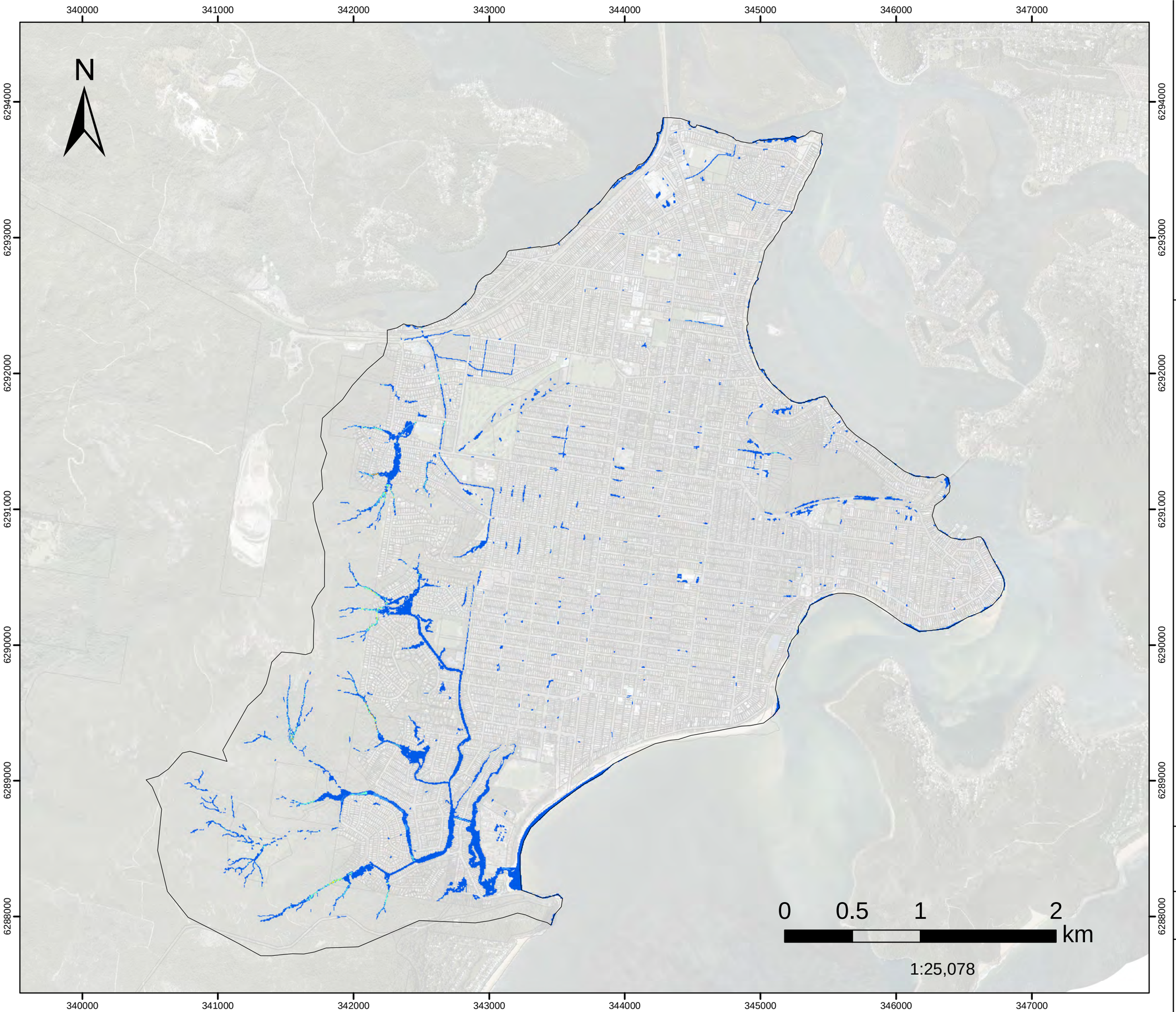

FIGURE L.98

20%AEP FM06A

Kahibah Ck system maintenance work

Peak Velocity

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 1hr

Model Domain

Velocity (m/s)

- Below 0.75
- 0.76 - 1
- 1.01 - 1.5
- 1.51 - 2
- 2.01 - 2.5
- Above 2.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

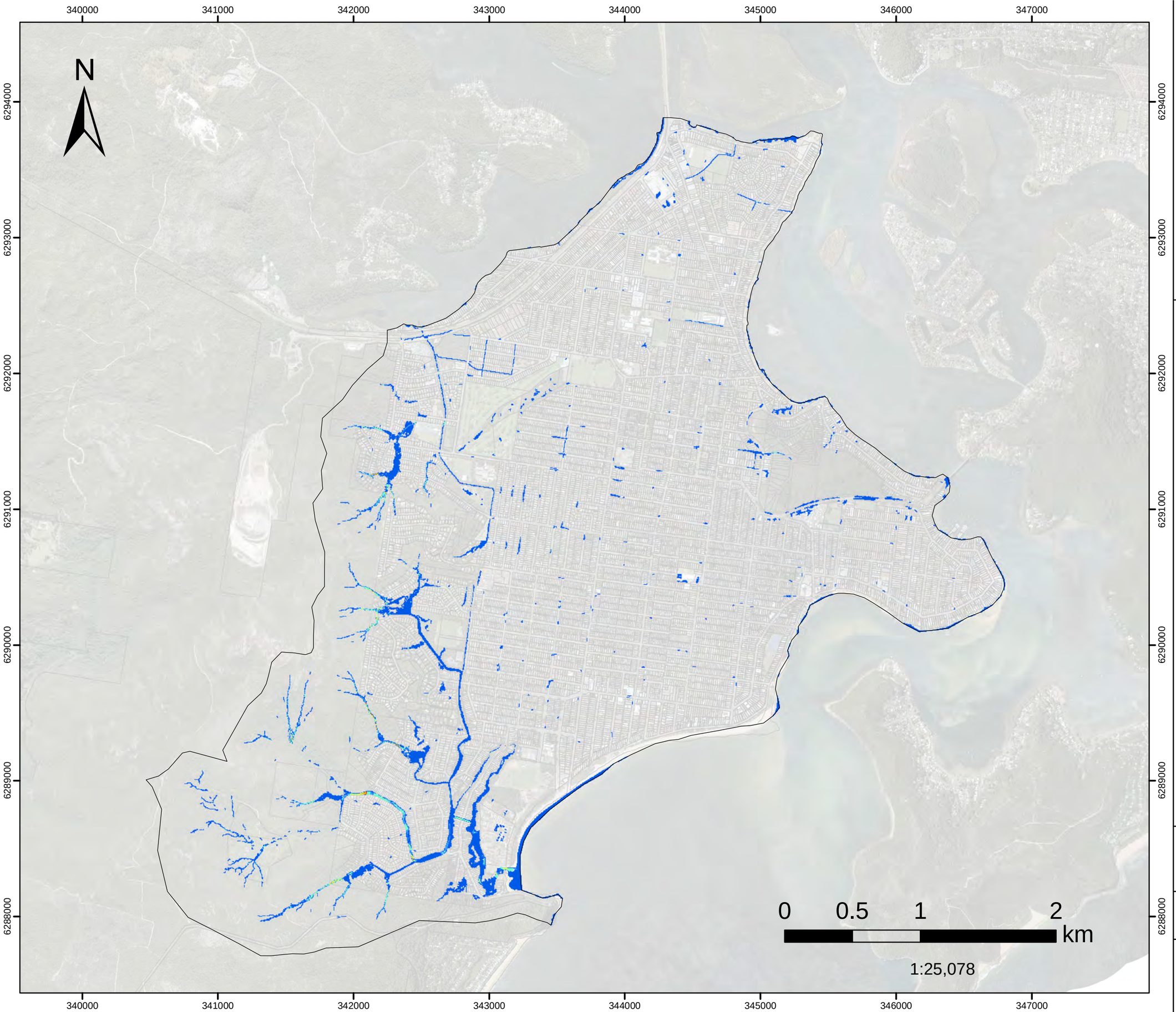

FIGURE L.99

20%AEP FM06B

Further improvement of the Kahibah Creek system

maintenance work

Peak Velocity

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2. Assessed for the critical duration 1hr

Model Domain

Velocity (m/s)

- Below 0.75
- 0.76 - 1
- 1.01 - 1.5
- 1.51 - 2
- 2.01 - 2.5
- Above 2.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

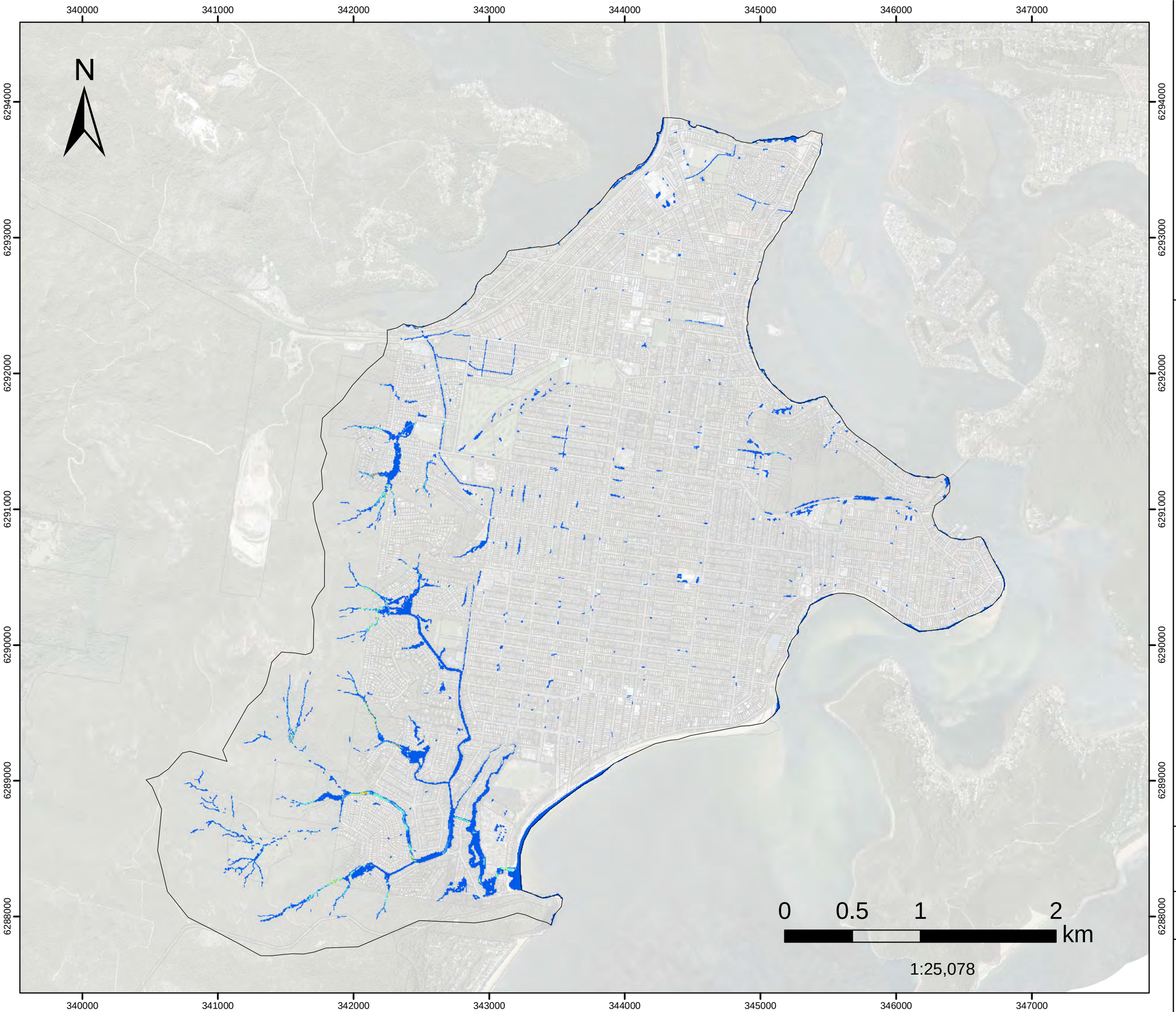

FIGURE L.100

20%AEP FM08

Palmtree Grove Detention Basin

Peak Velocity

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 1hr

Model Domain

Velocity (m/s)

- Below 0.75
- 0.76 - 1
- 1.01 - 1.5
- 1.51 - 2
- 2.01 - 2.5
- Above 2.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

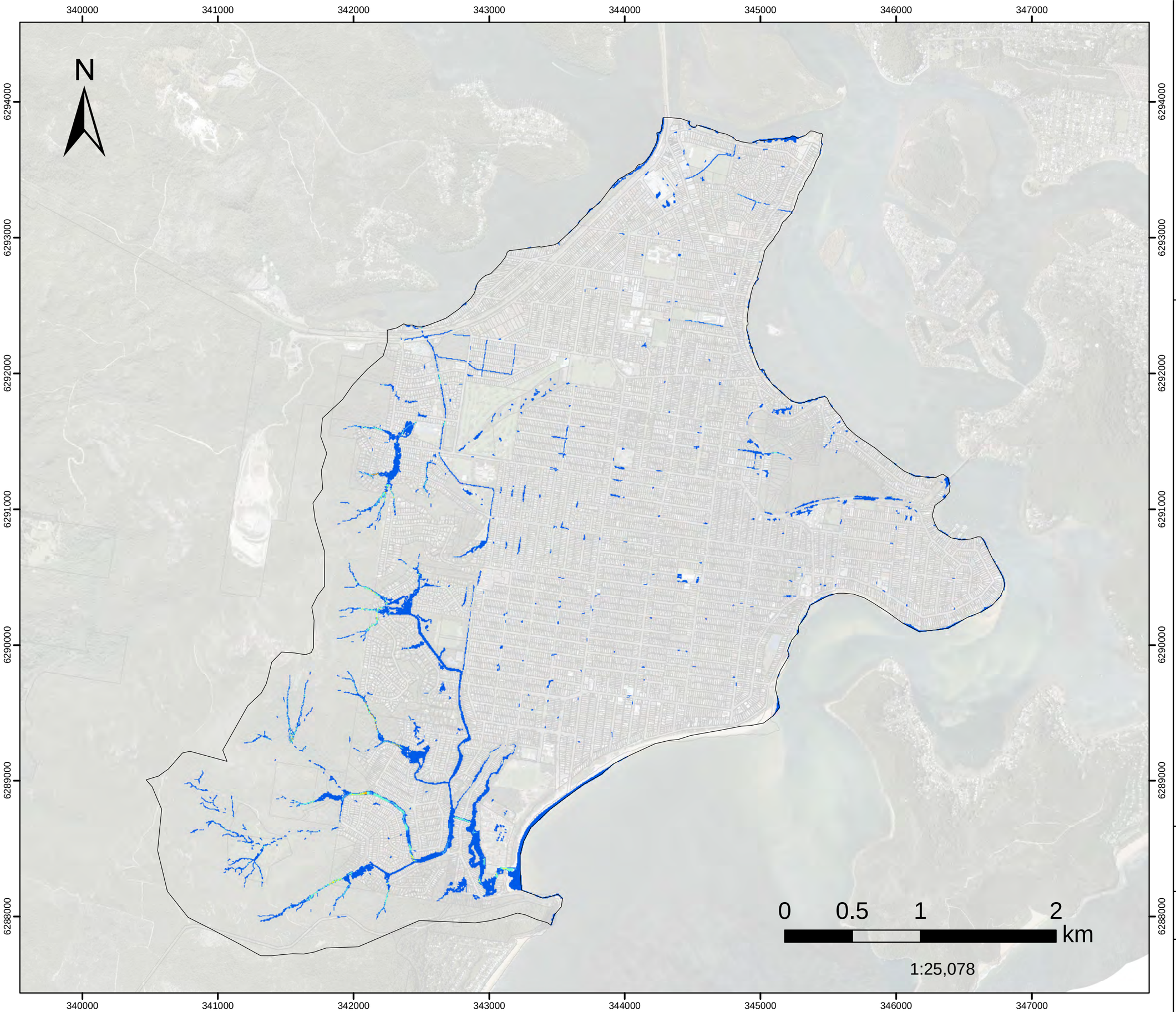

FIGURE L.101

20%AEP FM09

Wilks Av and McManus Cl

Peak Velocity

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2. Assessed for the critical duration 1hr

Model Domain

Velocity (m/s)

- Below 0.75
- 0.76 - 1
- 1.01 - 1.5
- 1.51 - 2
- 2.01 - 2.5
- Above 2.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

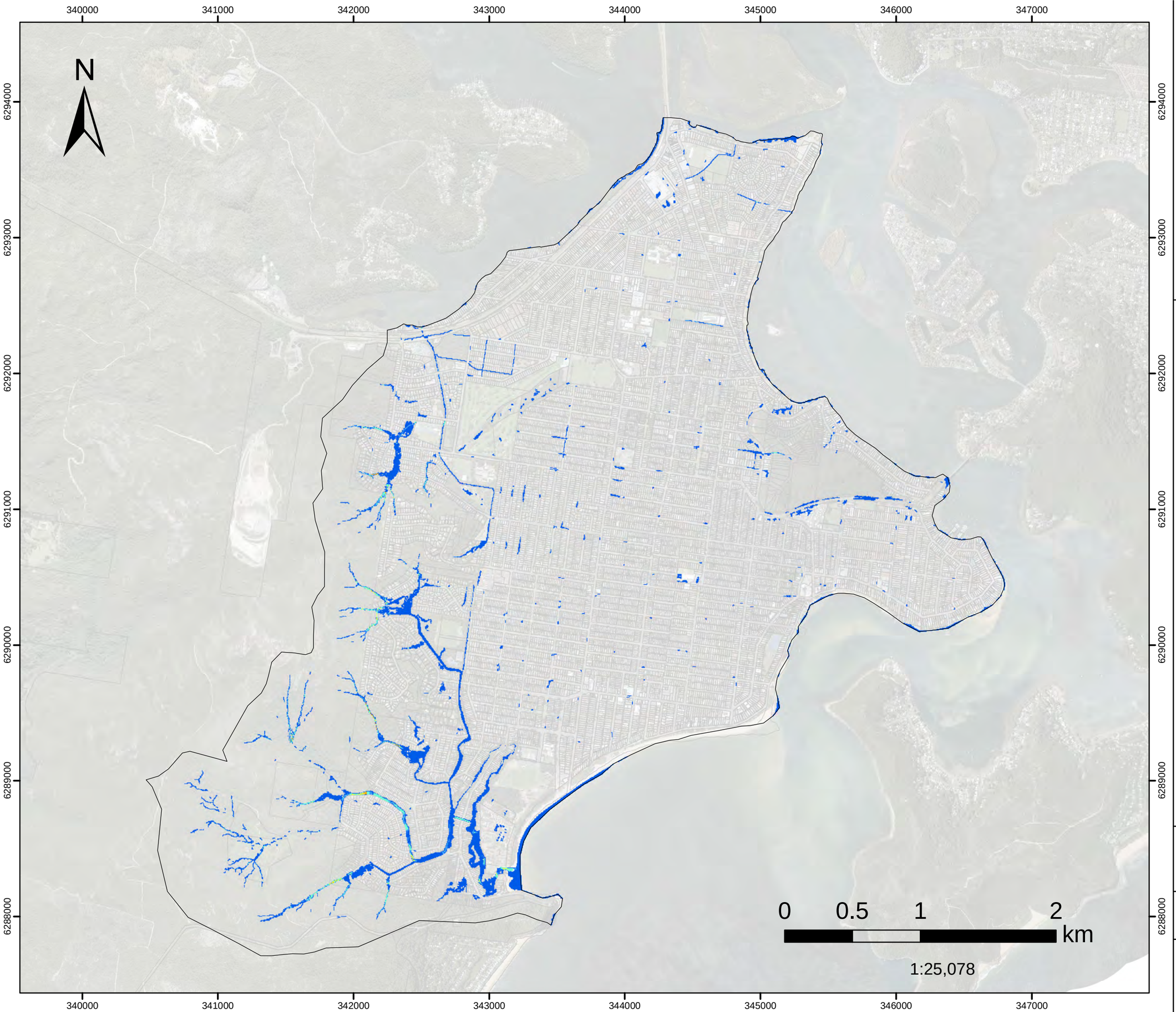

FIGURE L.102

20%AEP FM10

Neera Rd

Peak Velocity

Filtered with
Depth>0.10m, OR
Velocity>2m/s, OR
(Depth>0.05m AND VxD>0.025m2/s)

No puddles less than 100m2.

Assessed for the critical duration 1hr

Model Domain

Velocity (m/s)

- Below 0.75
- 0.76 - 1
- 1.01 - 1.5
- 1.51 - 2
- 2.01 - 2.5
- Above 2.5

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

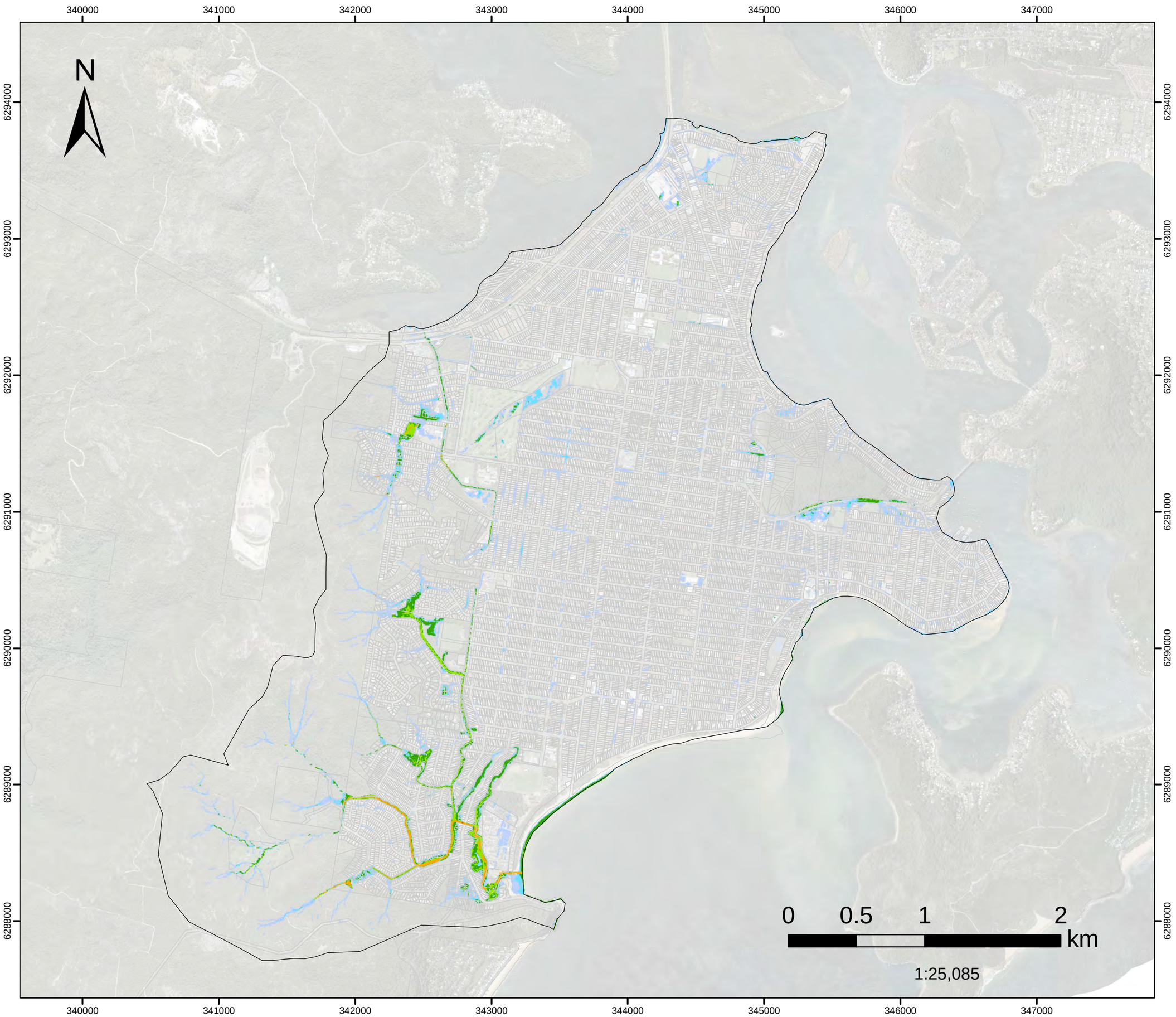

FIGURE L.103

1%AEP FM01

Woy Woy CBD
Hazard Classification

Assessed for the critical duration 6hrs

Model Domain

H1

H2

H3

H4

H5

H6

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

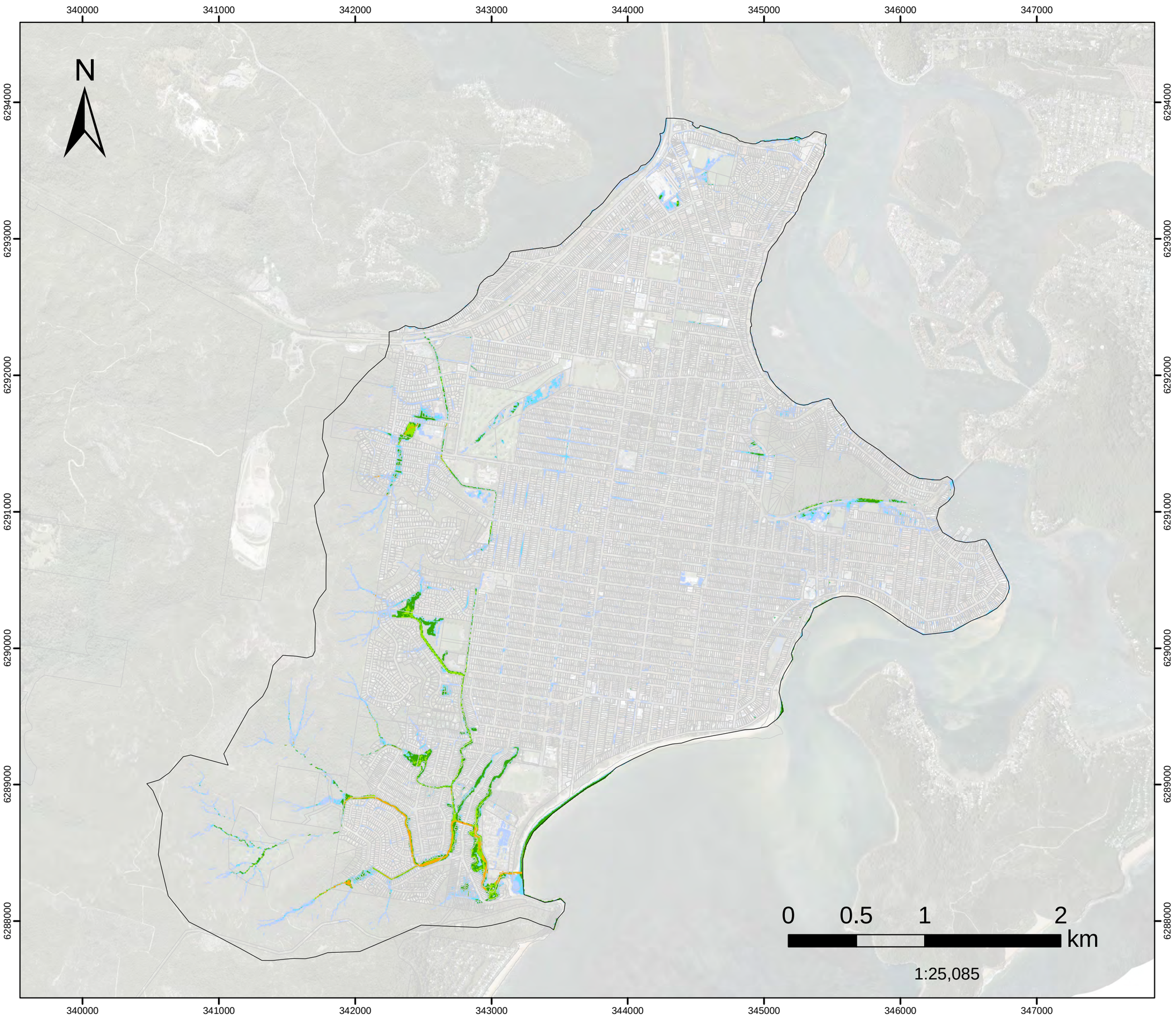

FIGURE L.104

1%AEP FM02

Dulkala Rd to Karingal Cl Hazard Classification

Assessed for the critical duration 6hrs

- Model Domain
- H1
- H2
- H3
- H4
- H5
- H6

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

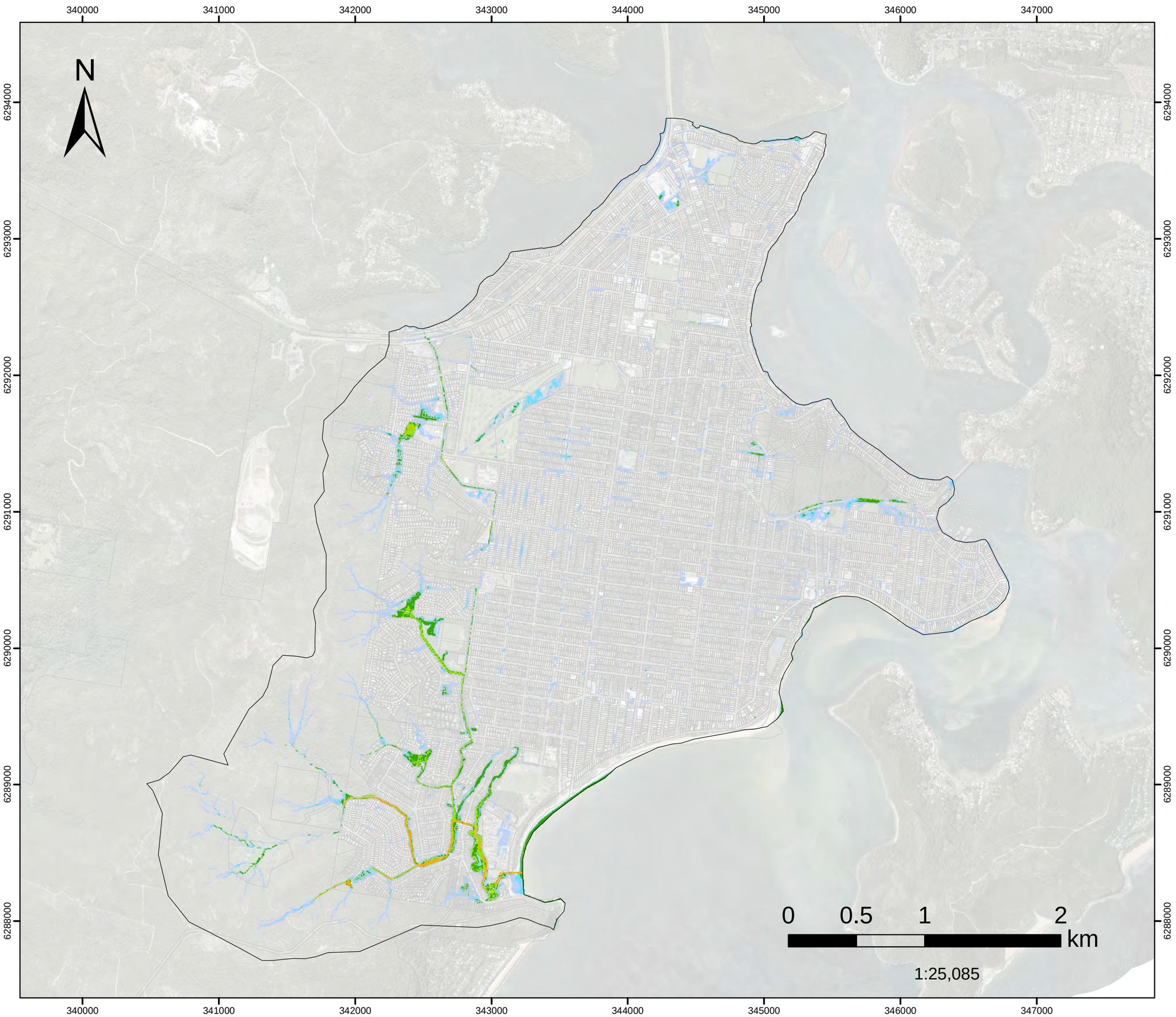

FIGURE L.105

1%AEP FM03

Infiltration Devices Hazard Classification

Assessed for the critical duration 6hrs

- Model Domain
- H1
- H2
- H3
- H4
- H5
- H6

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
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Project No	43803055

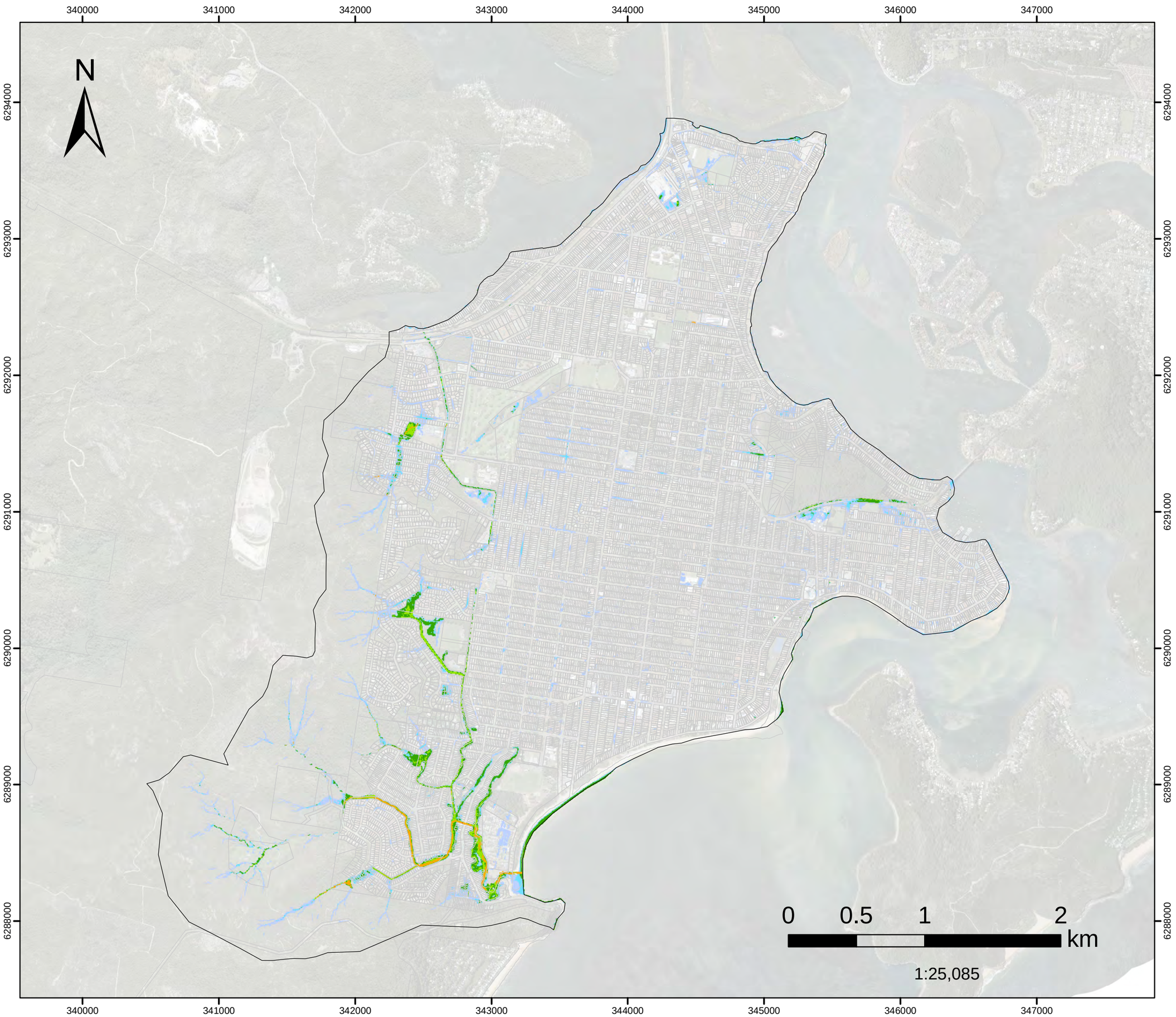

FIGURE L.106

1%AEP FM04

Groundwater pumping and Everglades drainage update work

Hazard Classification

Assessed for the critical duration 6hrs

- Model Domain
- H1
- H2
- H3
- H4
- H5
- H6

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
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Project No	43803055

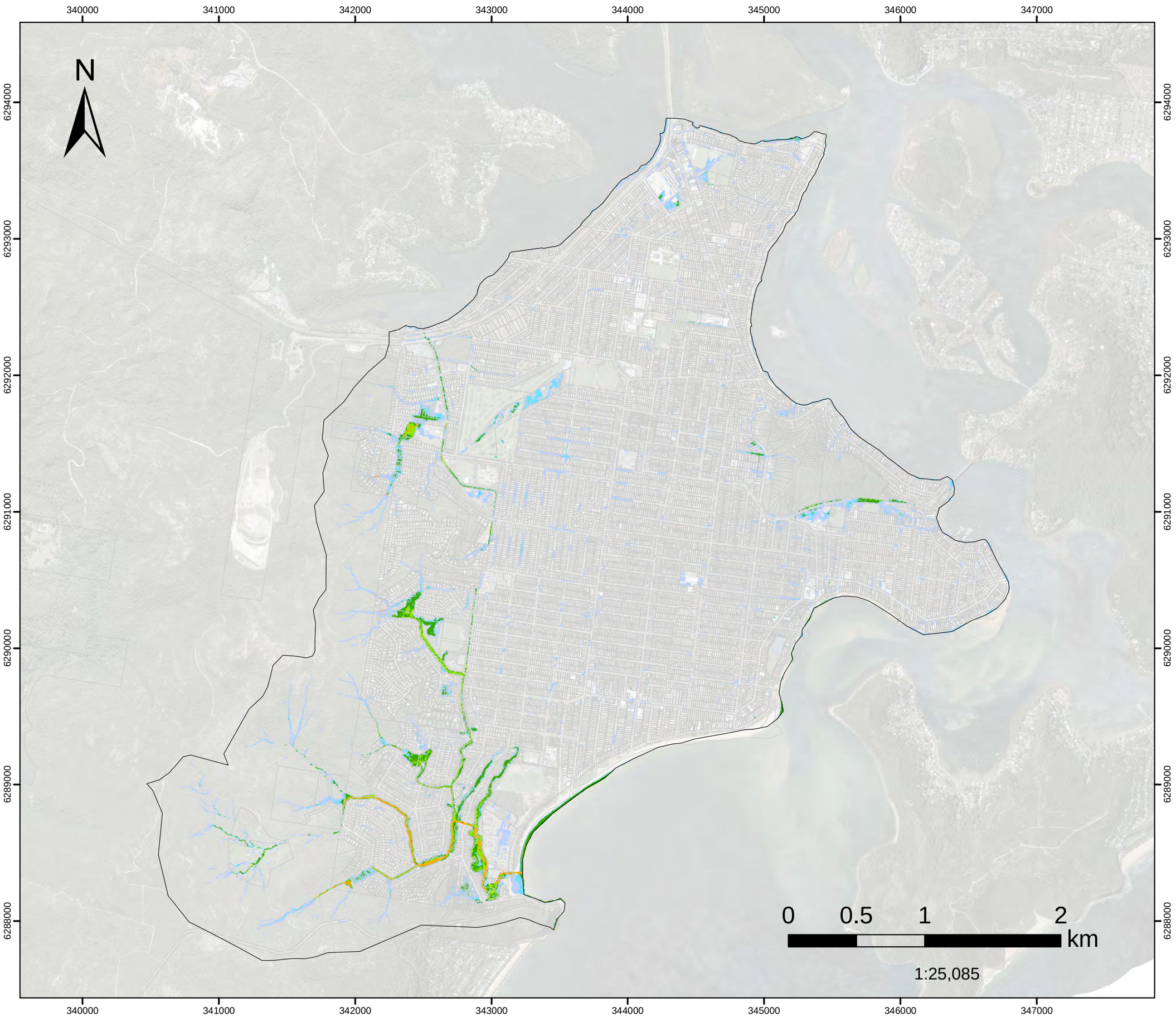

FIGURE L.107

1%AEP FM05

Greenhaven Dr
Hazard Classification

Assessed for the critical duration 6hrs

- Model Domain
- H1
- H2
- H3
- H4
- H5
- H6

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
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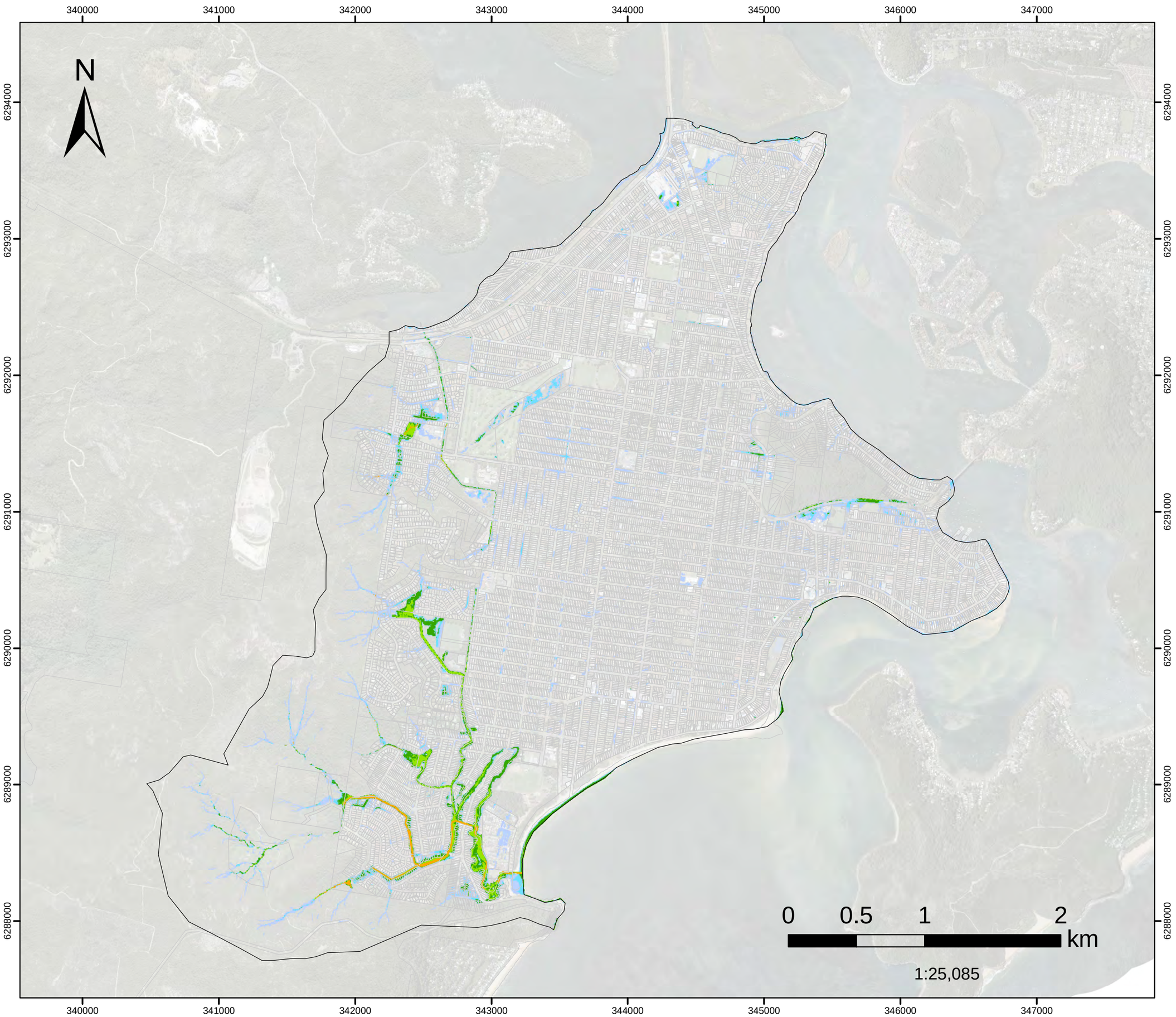

FIGURE L.108

1%AEP FM06A

Kahibah Ck system maintenance work

Hazard Classification

Assessed for the critical duration 6hrs

- Model Domain
- H1
- H2
- H3
- H4
- H5
- H6

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
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Project No	43803055

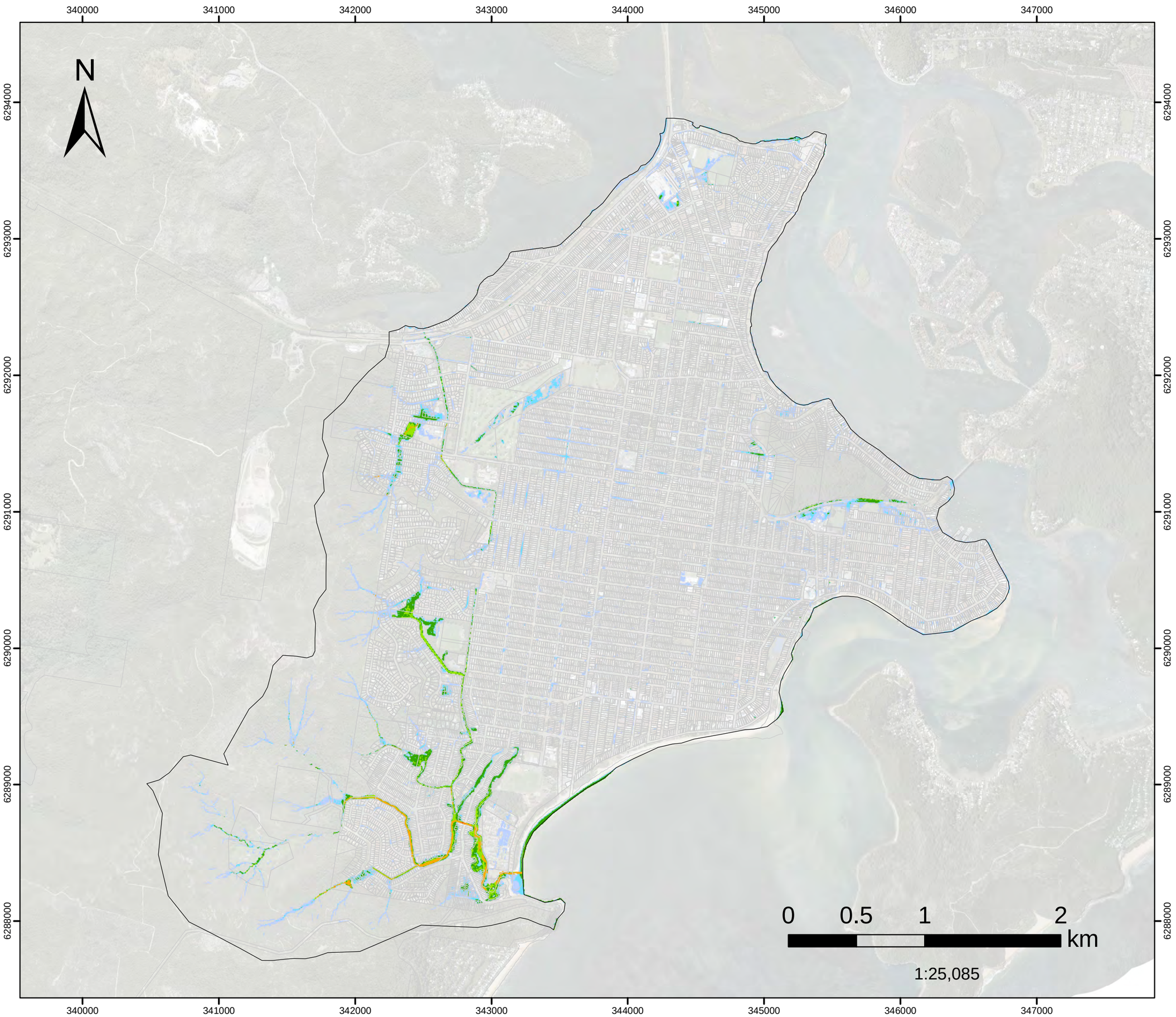

FIGURE L.109

1%AEP FM06B

Further improvement of the Kahibah Creek system maintenance work

Hazard Classification

Assessed for the critical duration 6hrs

- Model Domain
- H1
- H2
- H3
- H4
- H5
- H6

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
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Project No	43803055

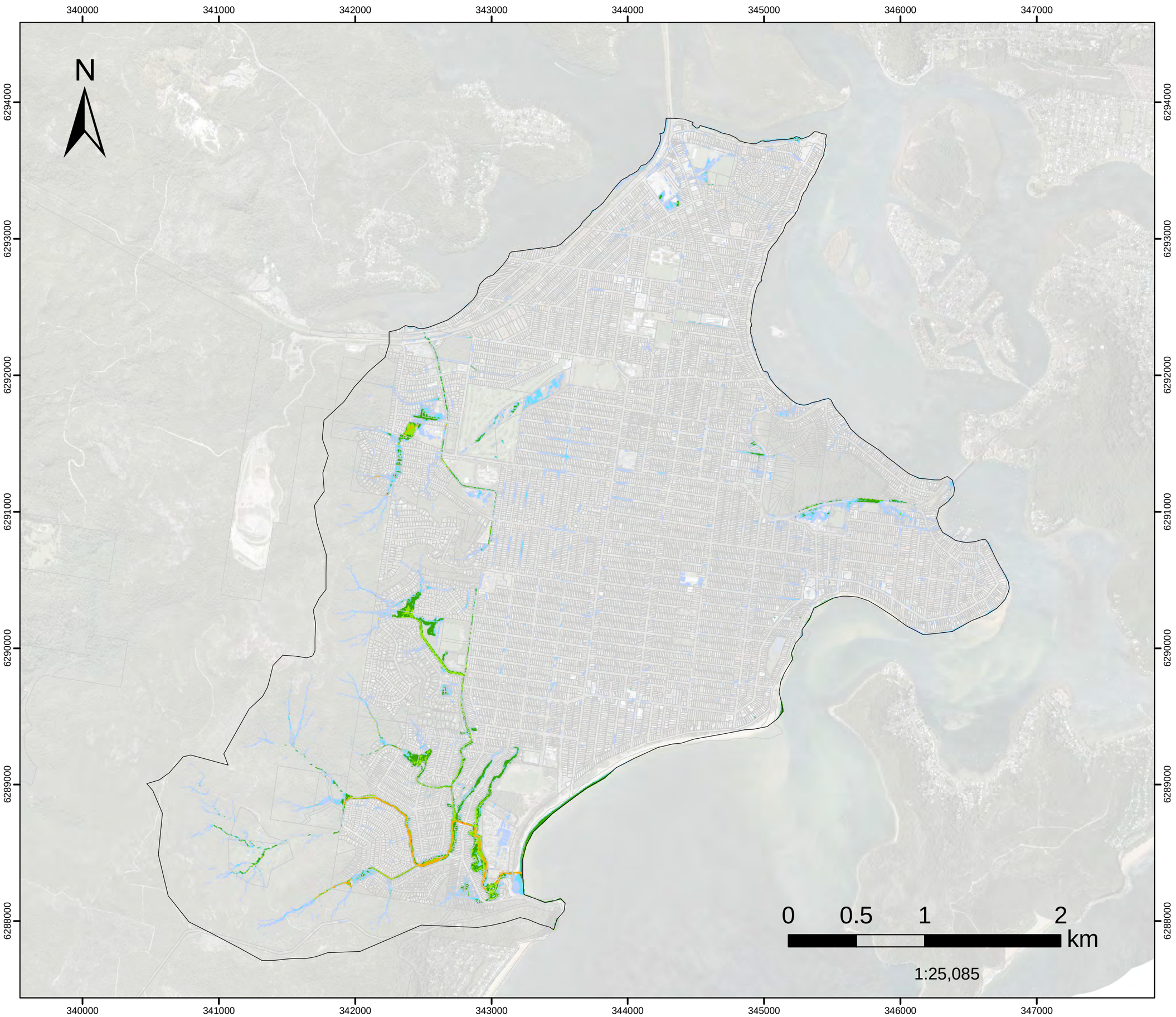

FIGURE L.110

1%AEP FM08

Palmtree Grove Detention Basin Hazard Classification

Assessed for the critical duration 6hrs

- Model Domain
- H1
- H2
- H3
- H4
- H5
- H6

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
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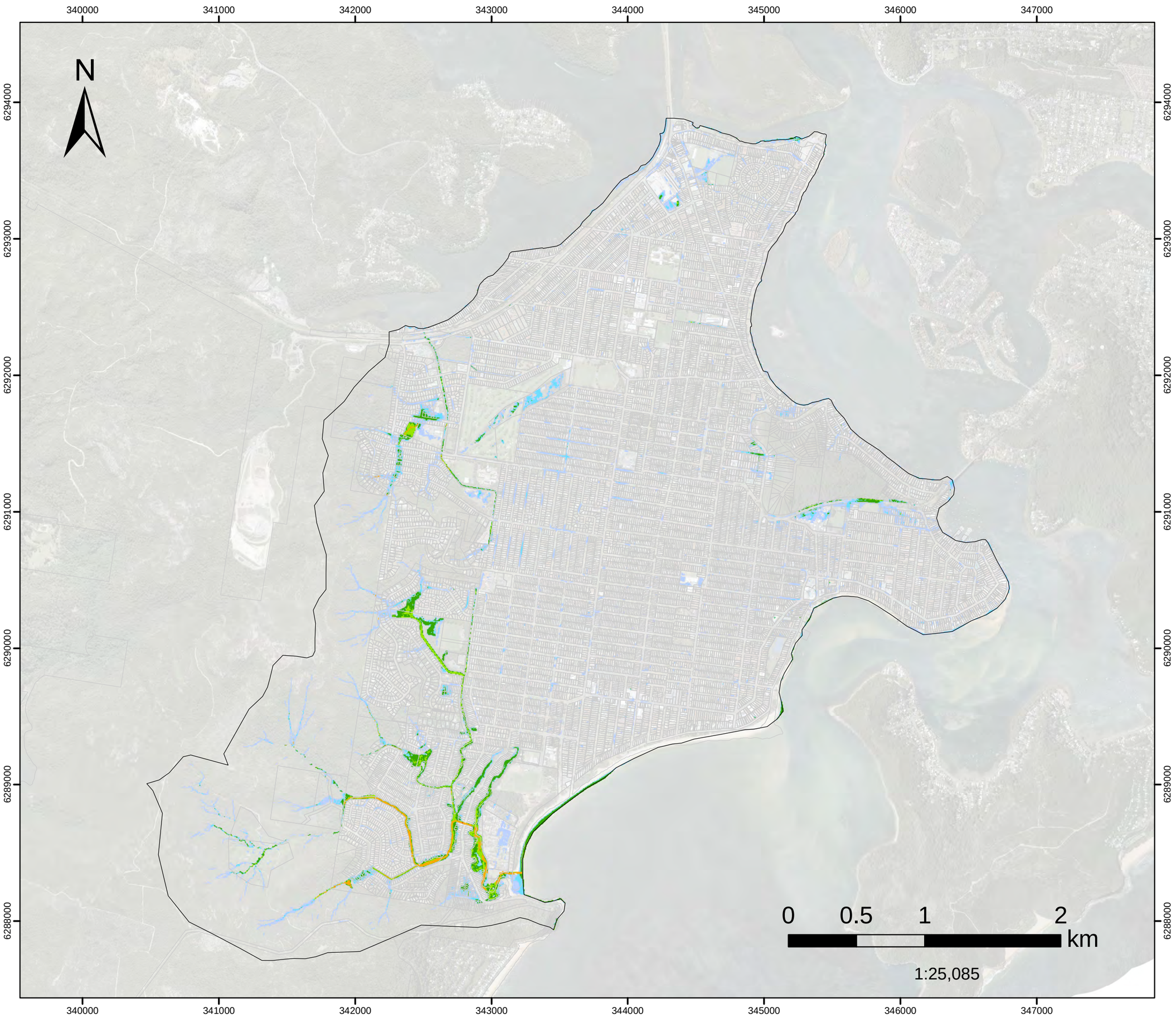

FIGURE L.111

1%AEP FM09

Wilks Av and McManus Cl Hazard Classification

Assessed for the critical duration 6hrs

- Model Domain
- H1
- H2
- H3
- H4
- H5
- H6

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
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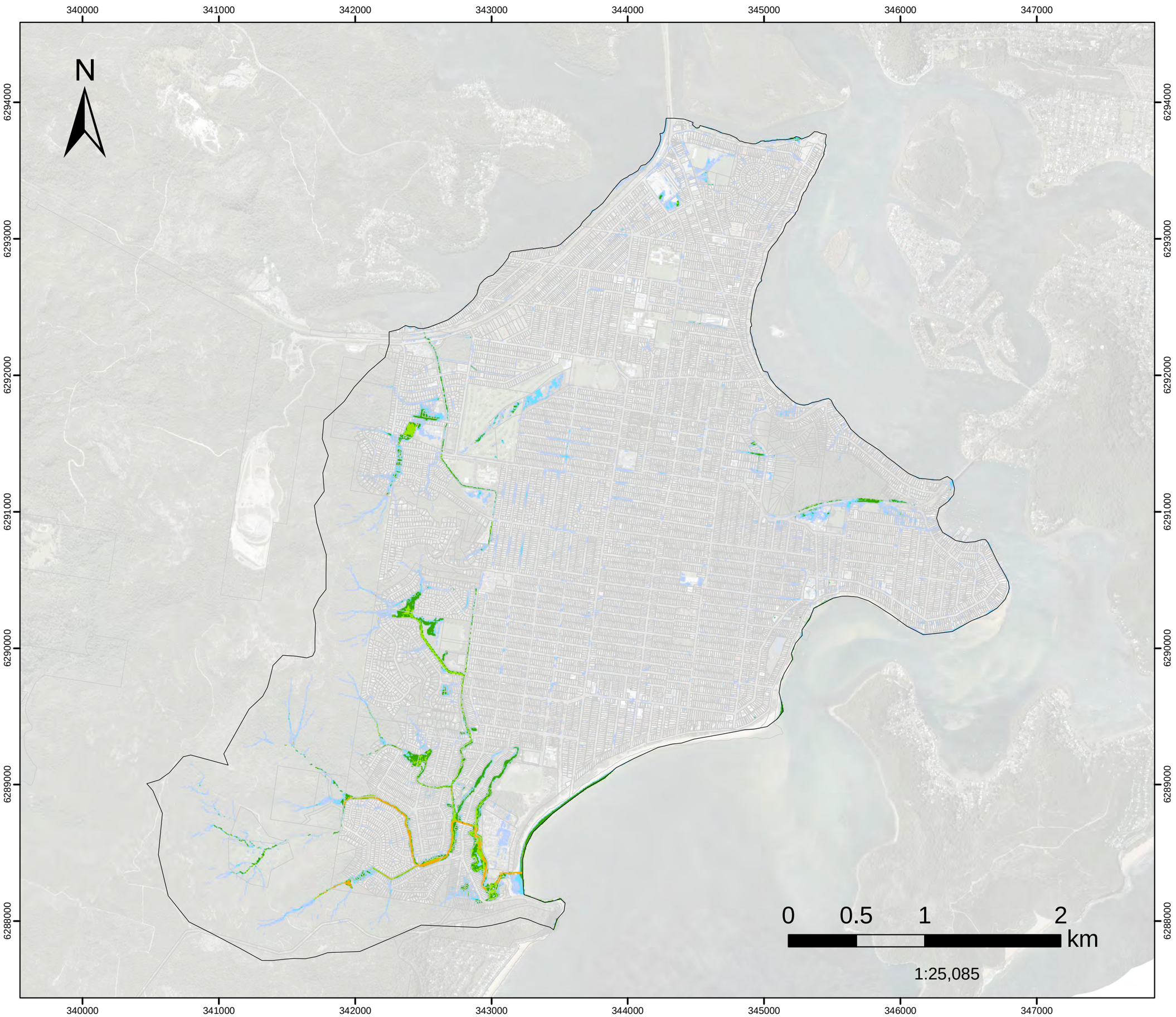

FIGURE L.112

1%AEP FM10

Neera Rd
Hazard Classification

Assessed for the critical duration 6hrs

- Model Domain
- H1
- H2
- H3
- H4
- H5
- H6

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
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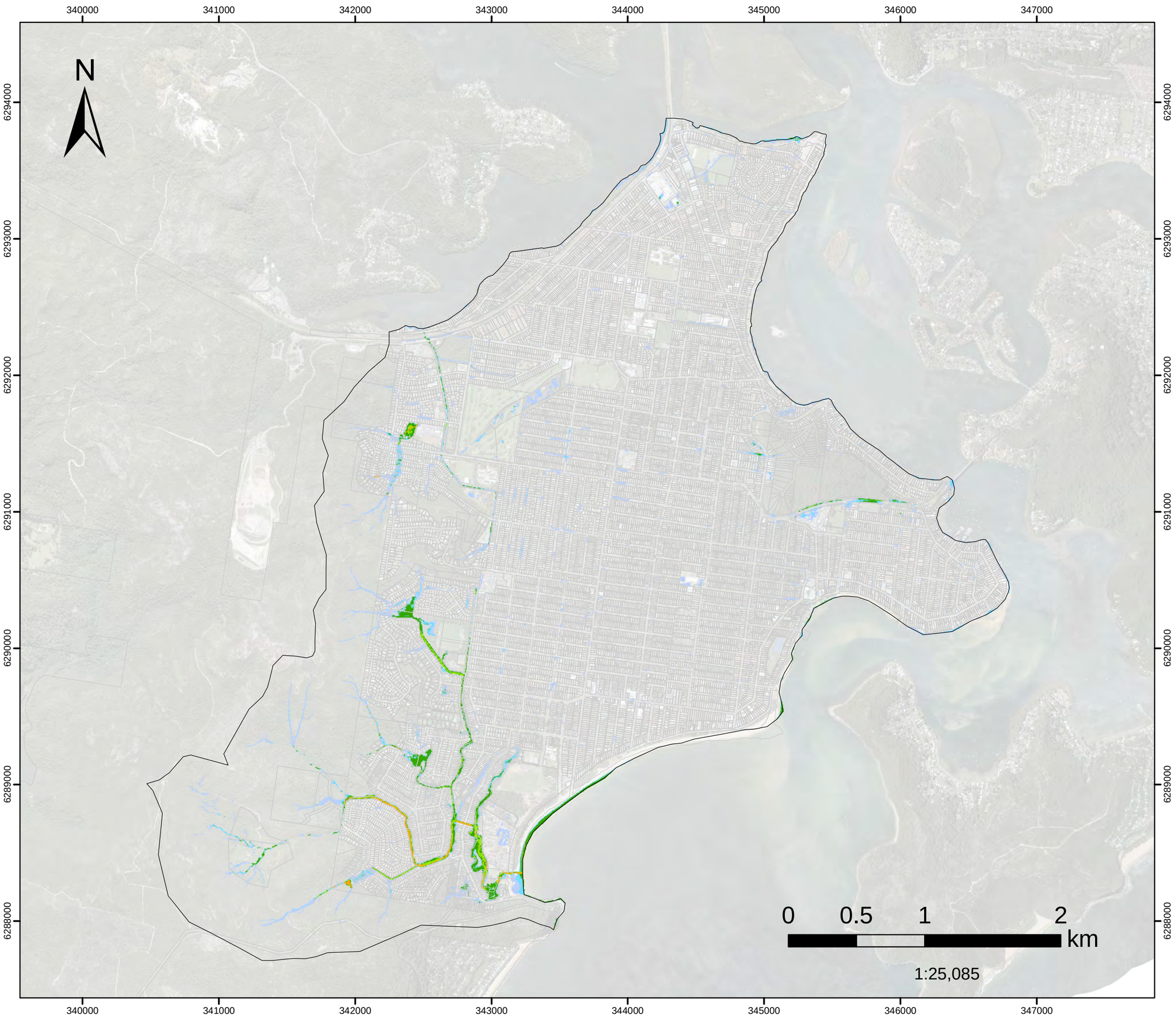

FIGURE L.113

10%AEP FM01

Woy Woy CBD
Hazard Classification

Assessed for the critical duration 3hrs

Model Domain

H1

H2

H3

H4

H5

H6

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
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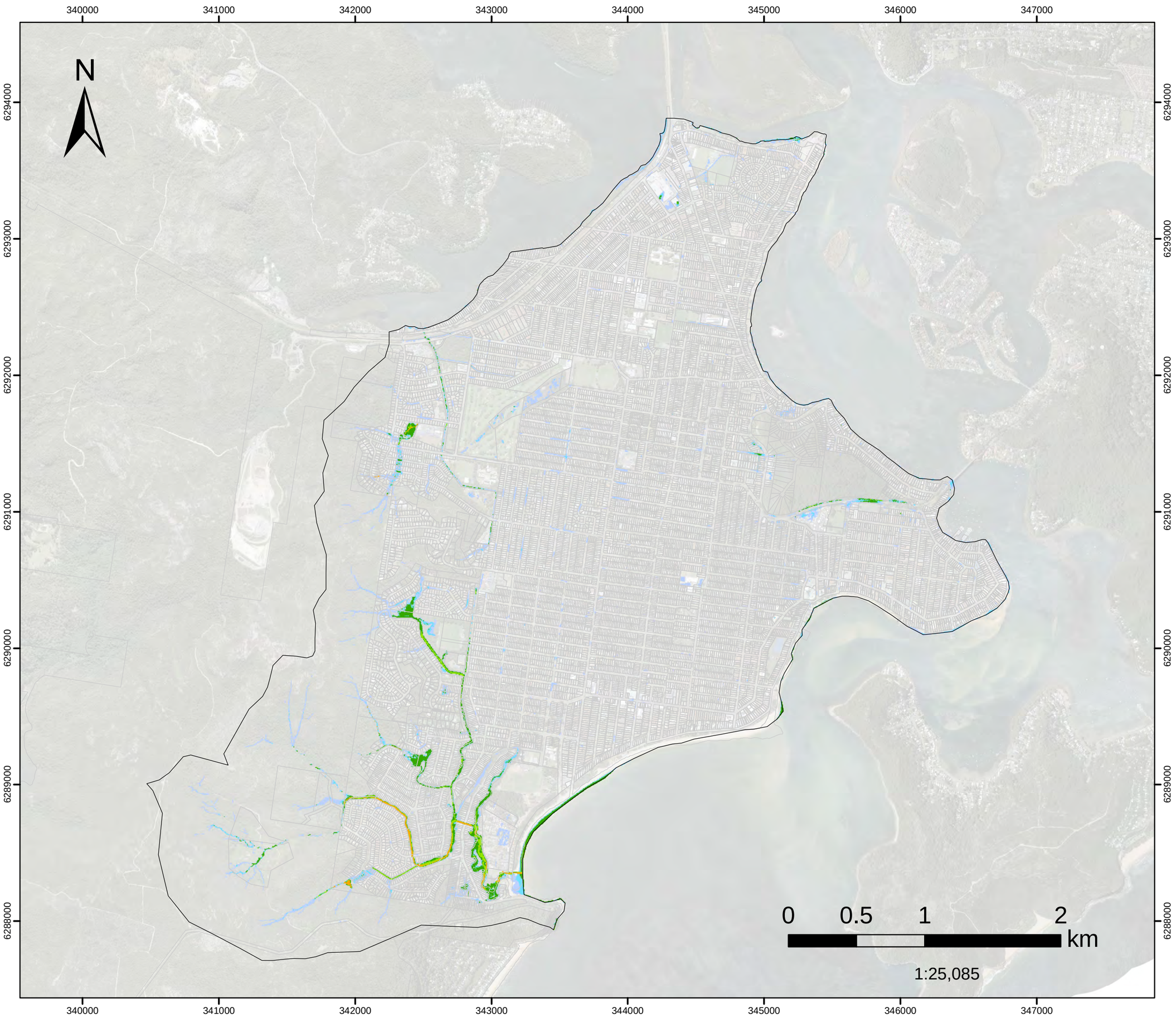

FIGURE L.114

10%AEP FM02

Dulkala Rd to Karingal Cl Hazard Classification

Assessed for the critical duration 3hrs

Model Domain

H1

H2

H3

H4

H5

H6

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
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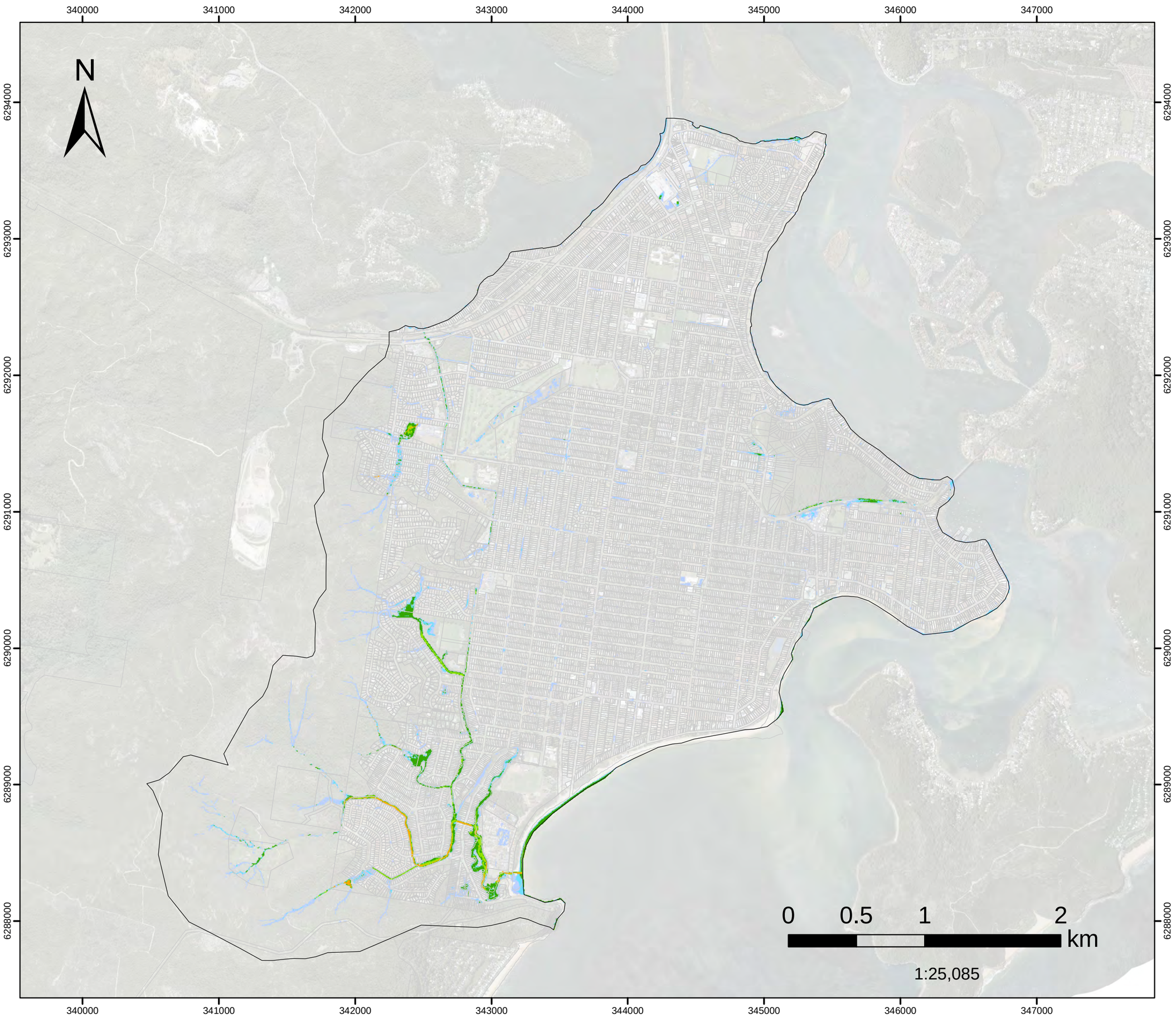

FIGURE L.115

10%AEP FM03

Infiltration Devices Hazard Classification

Assessed for the critical duration 3hrs

- Model Domain
- H1
- H2
- H3
- H4
- H5
- H6

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

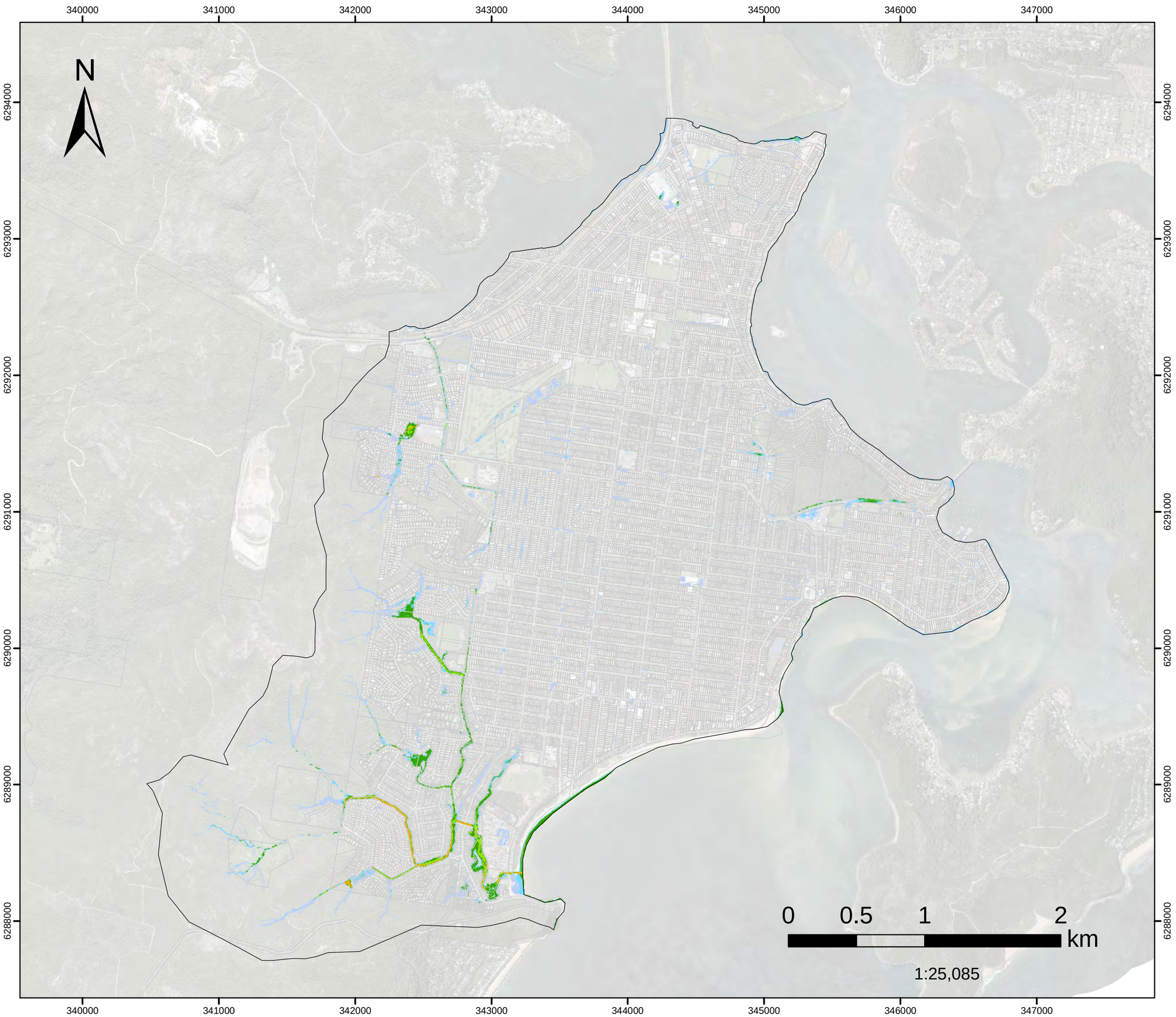

FIGURE L.116

10%AEP FM05

Greenhaven Dr
Hazard Classification

Assessed for the critical duration 3hrs

- Model Domain
- H1
- H2
- H3
- H4
- H5
- H6

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

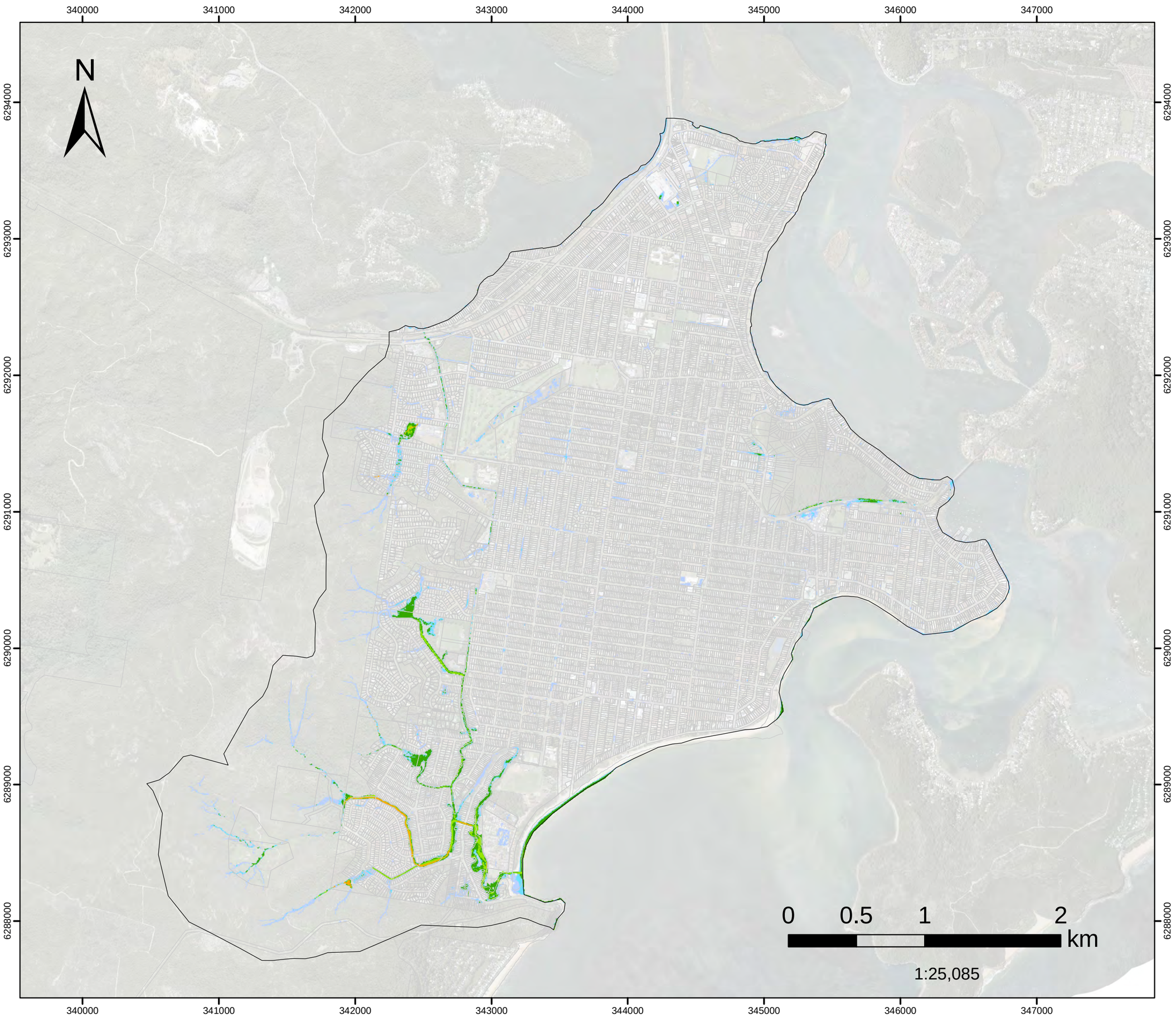

FIGURE L.117

10%AEP FM06A

Kahibah Ck system maintenance work

Hazard Classification

Assessed for the critical duration 3hrs

Model Domain

H1

H2

H3

H4

H5

H6

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

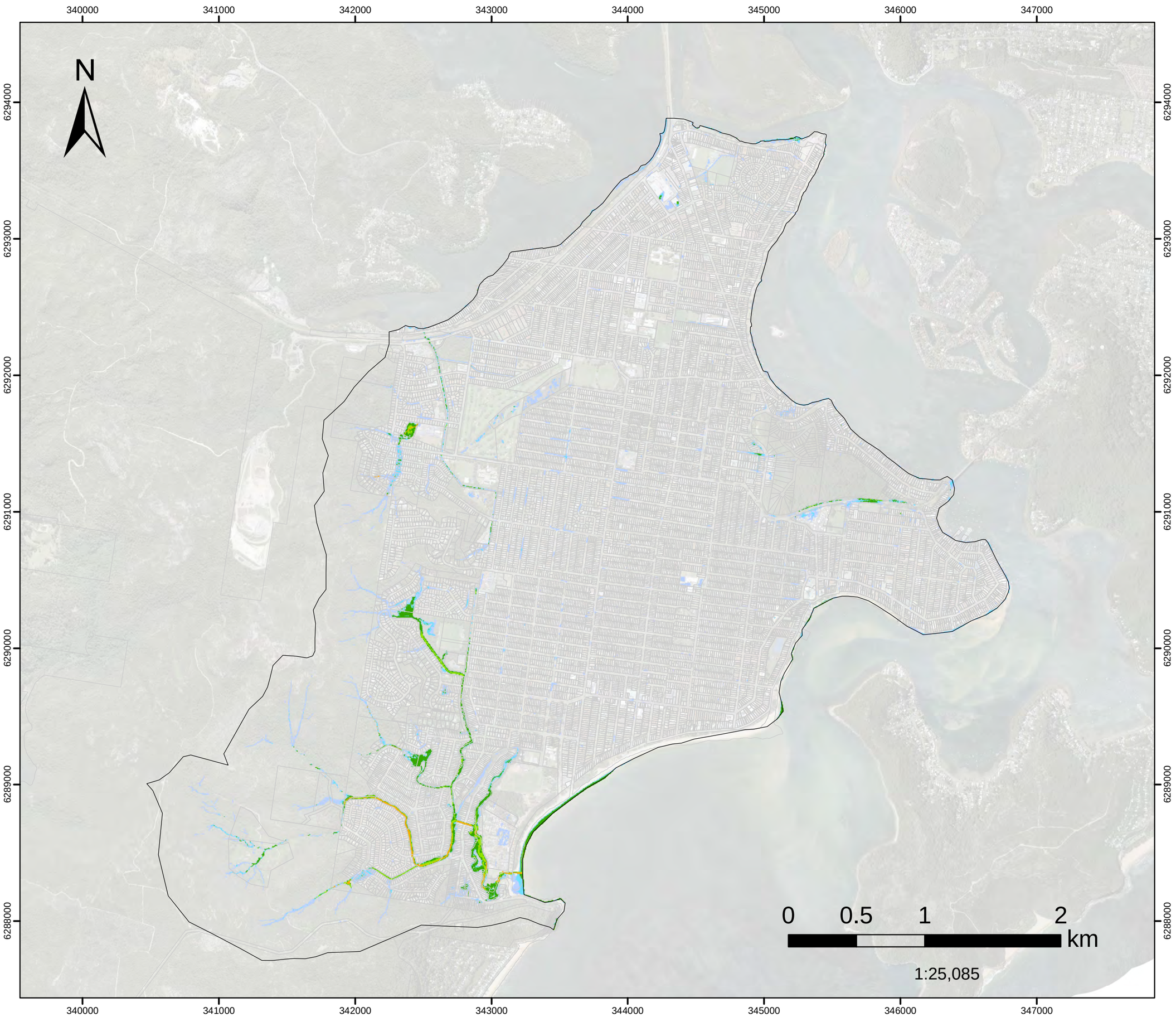

FIGURE L.118

10%AEP FM08

Palmtree Grove Detention Basin Hazard Classification

Assessed for the critical duration 3hrs

- Model Domain
- H1
- H2
- H3
- H4
- H5
- H6

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

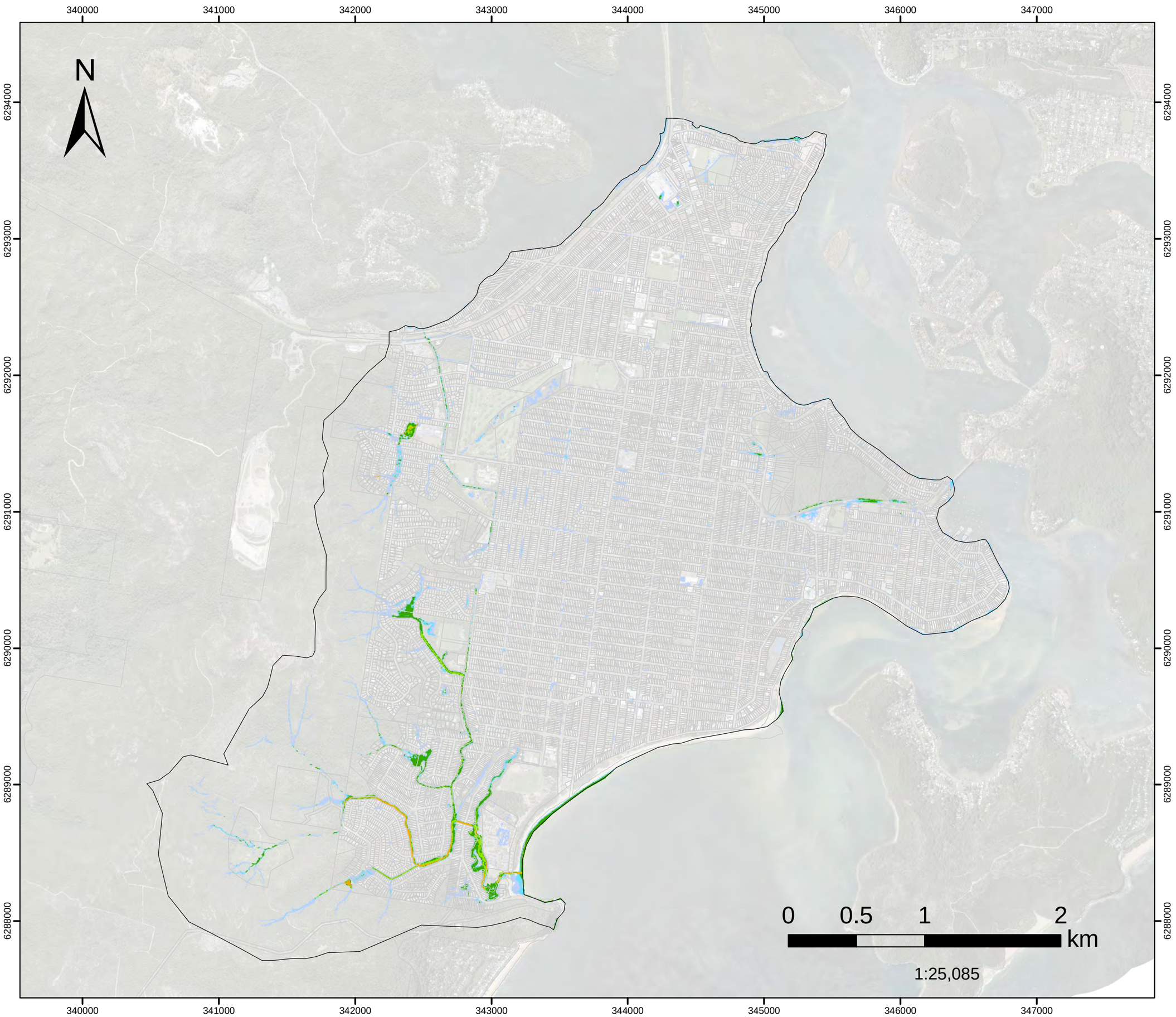

FIGURE L.119

10%AEP FM10

Neera Rd
Hazard Classification

Assessed for the critical duration 3hrs

Model Domain

H1

H2

H3

H4

H5

H6

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

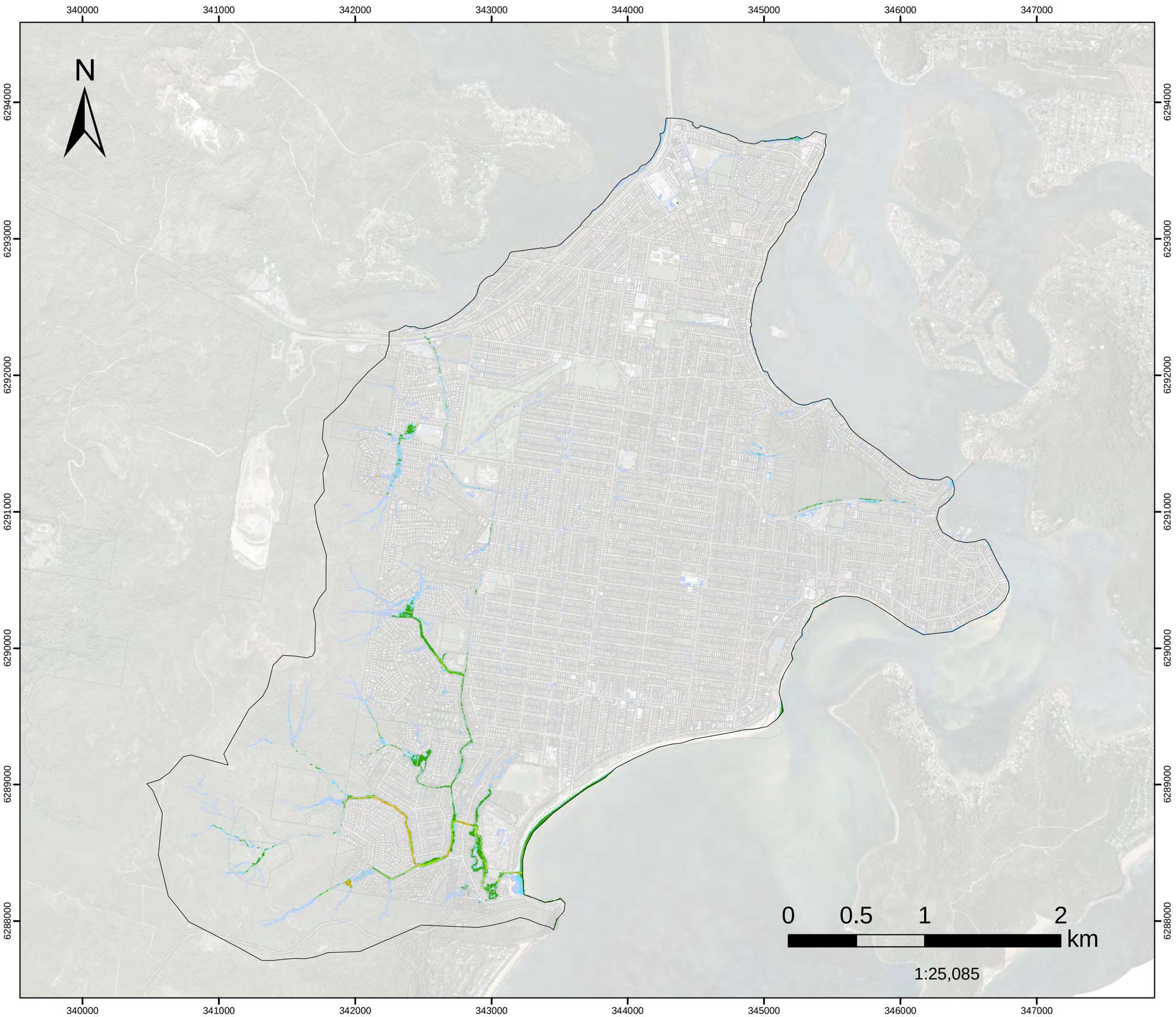

FIGURE L.120

20%AEP FM01

Woy Woy CBD
Hazard Classification

Assessed for the critical duration 1hr

Model Domain

H1

H2

H3

H4

H5

H6

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

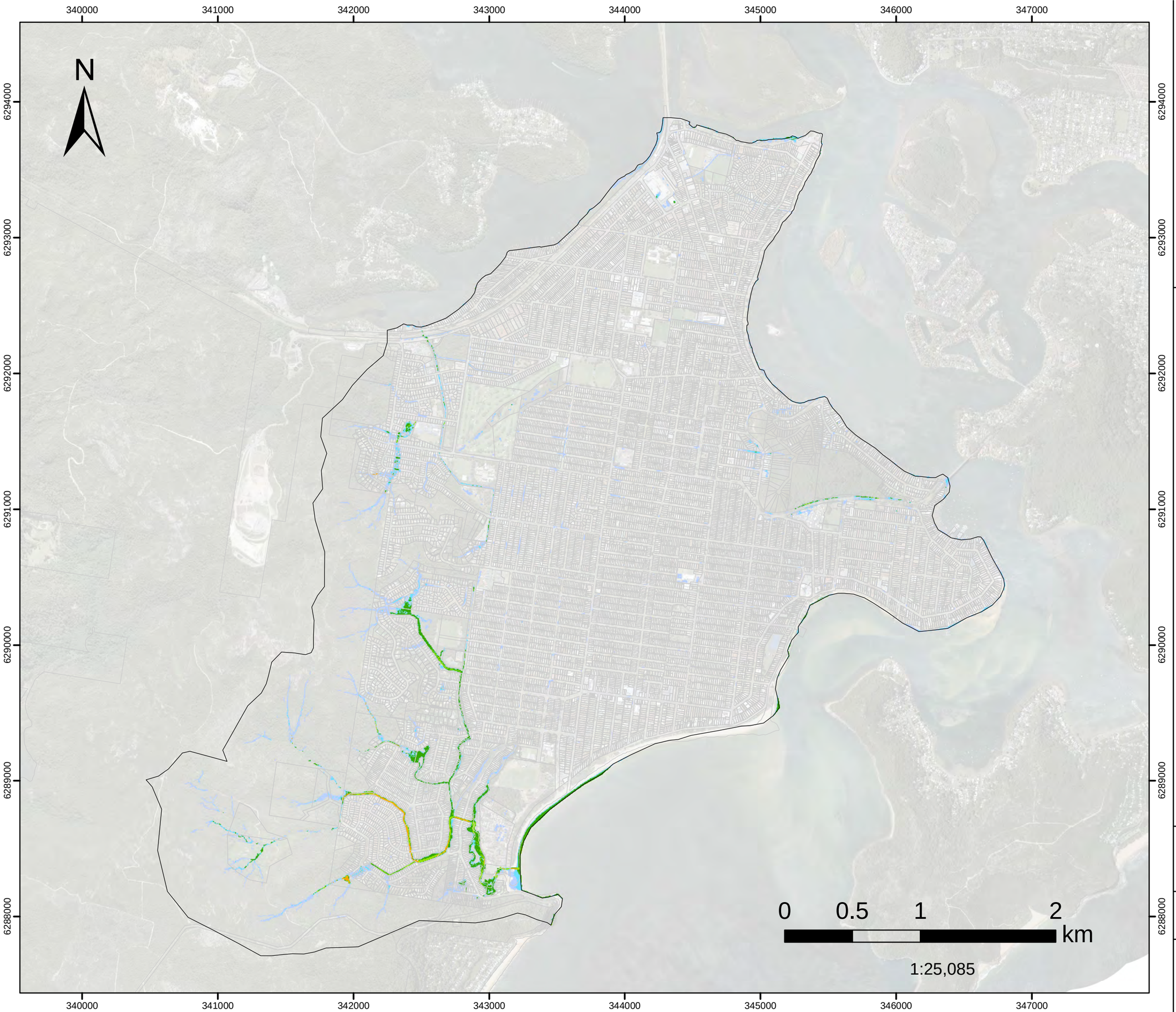

FIGURE L.121

20%AEP FM02

Dulkala Rd to Karingal Cl Hazard Classification

Assessed for the critical duration 1hr

Model Domain

H1

H2

H3

H4

H5

H6

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

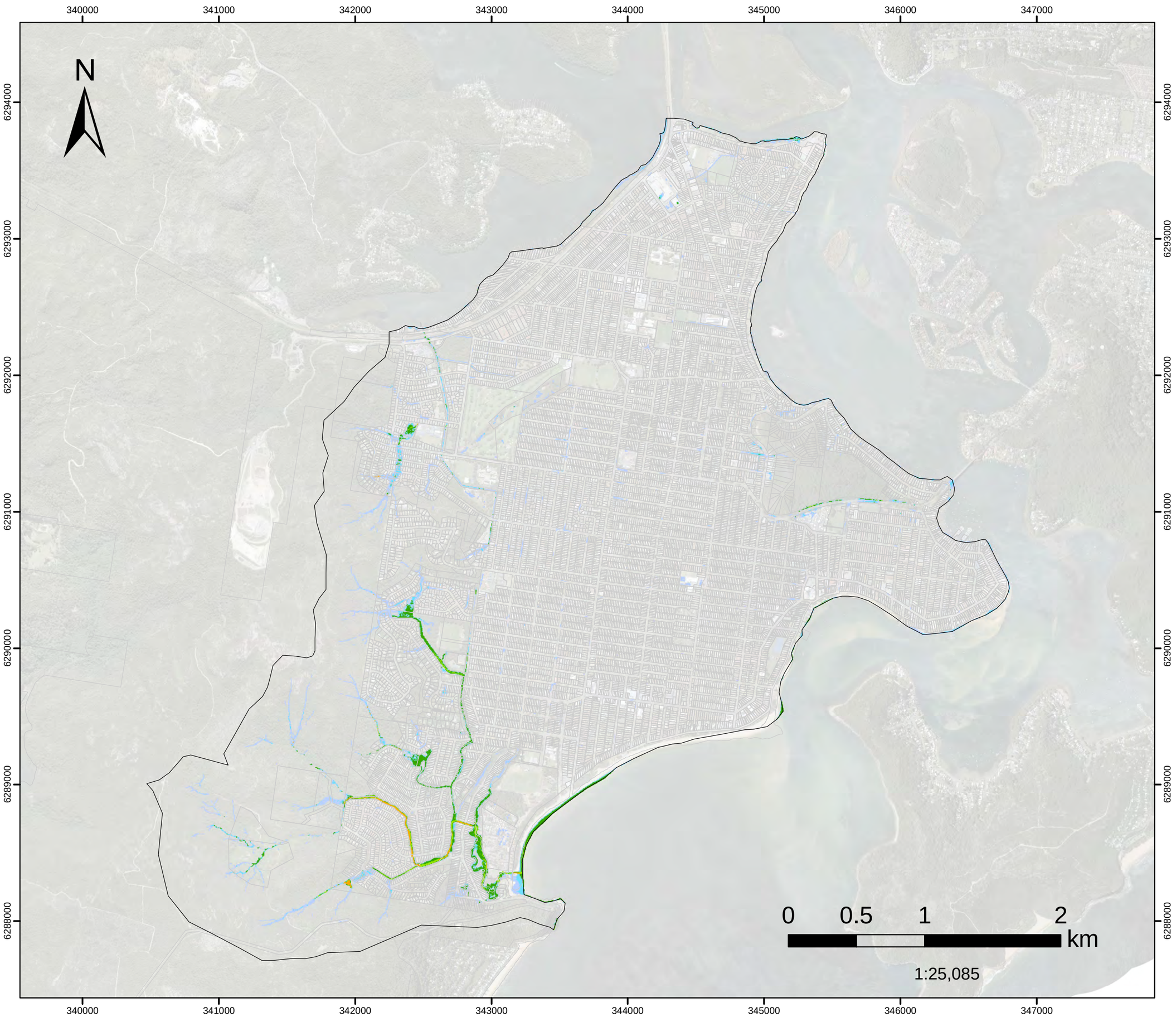

FIGURE L.122

20%AEP FM03

Infiltration Devices Hazard Classification

Assessed for the critical duration 1hr

Model Domain

H1

H2

H3

H4

H5

H6

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

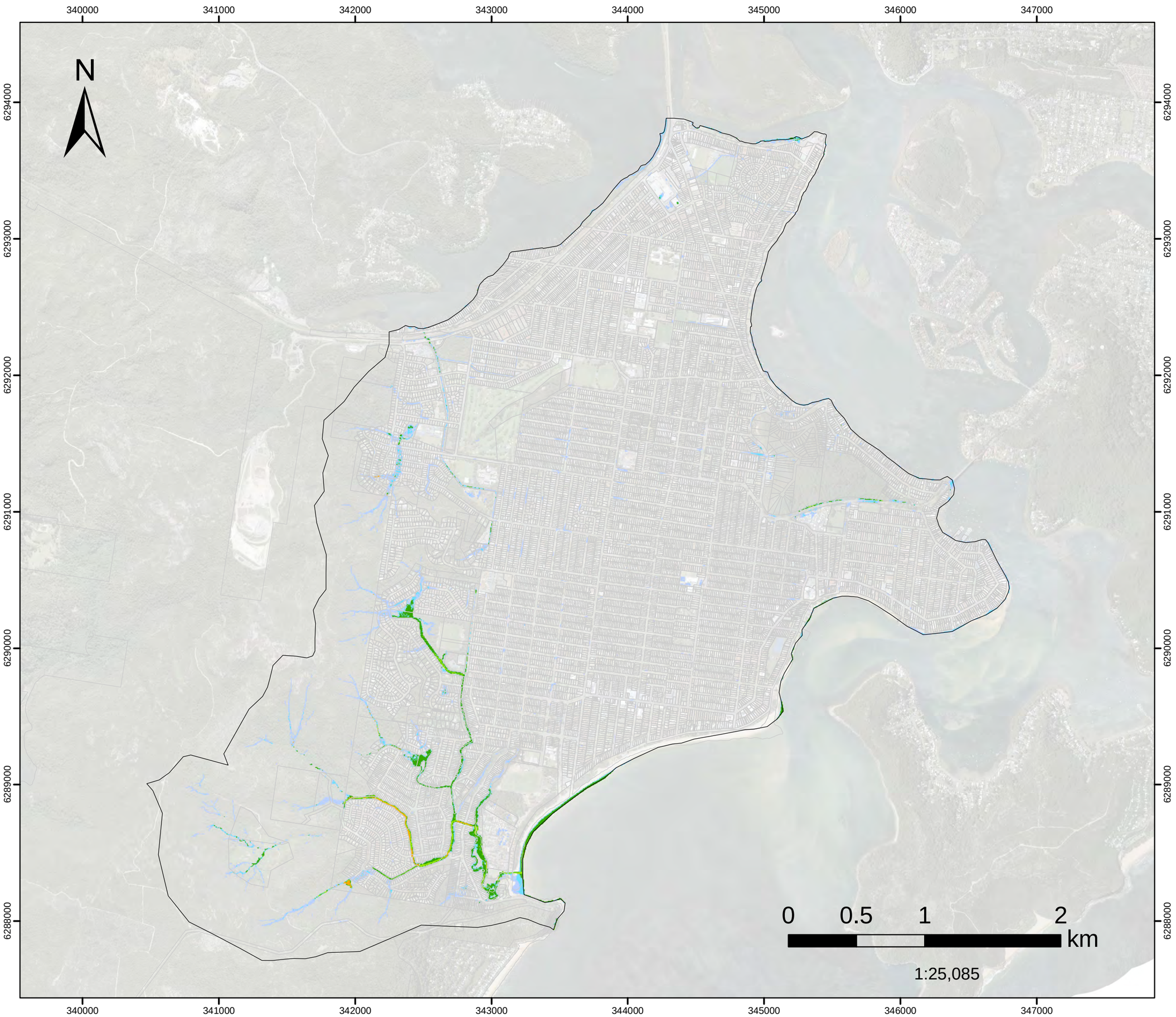

FIGURE L.123

20%AEP FM04

Groundwater pumping and Everglades drainage update work

Hazard Classification

Assessed for the critical duration 1hr

- Model Domain
- H1
- H2
- H3
- H4
- H5
- H6

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

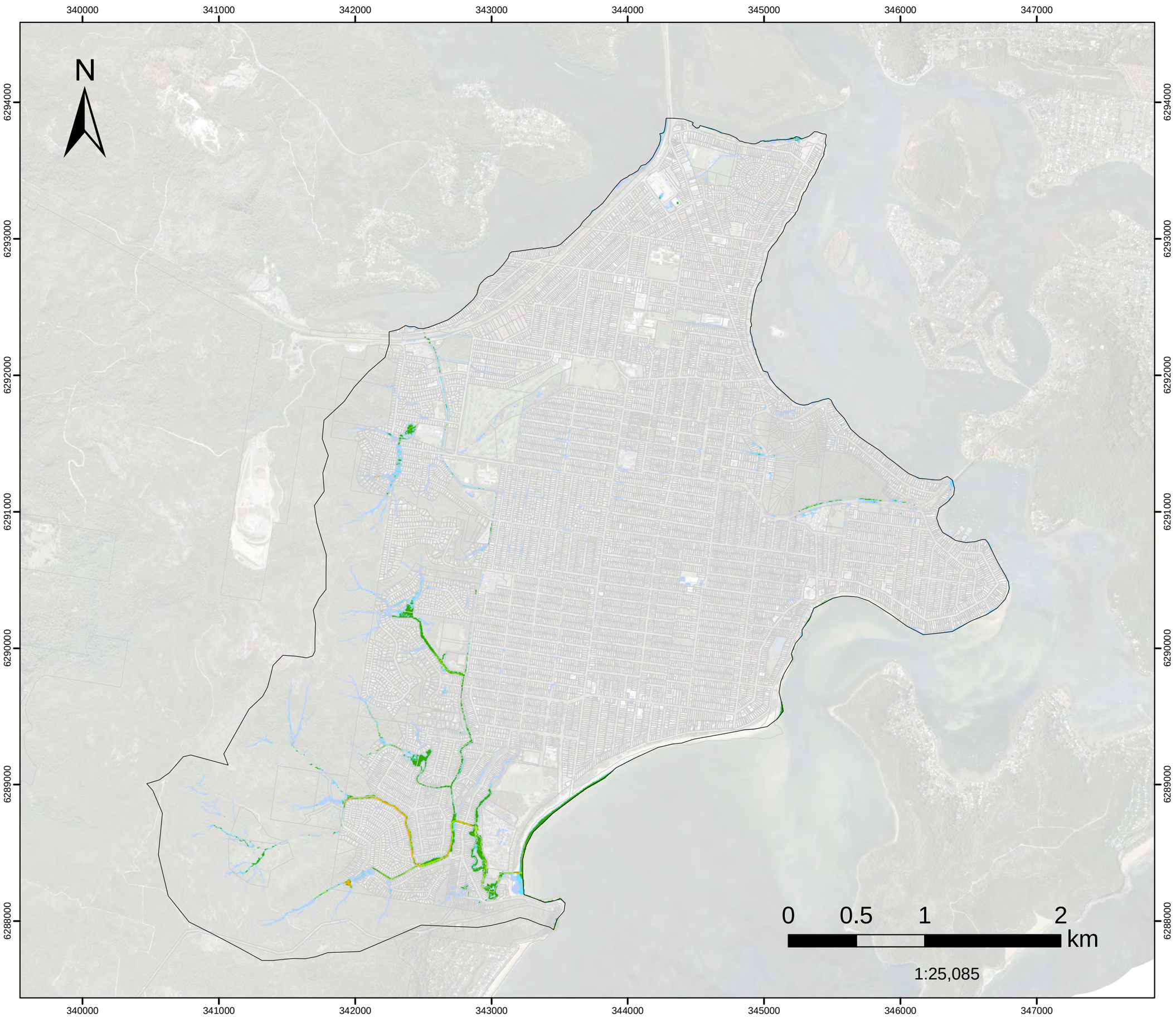

FIGURE L.124

20%AEP FM05

Greenhaven Dr
Hazard Classification

Assessed for the critical duration 1hr

Model Domain

H1

H2

H3

H4

H5

H6

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

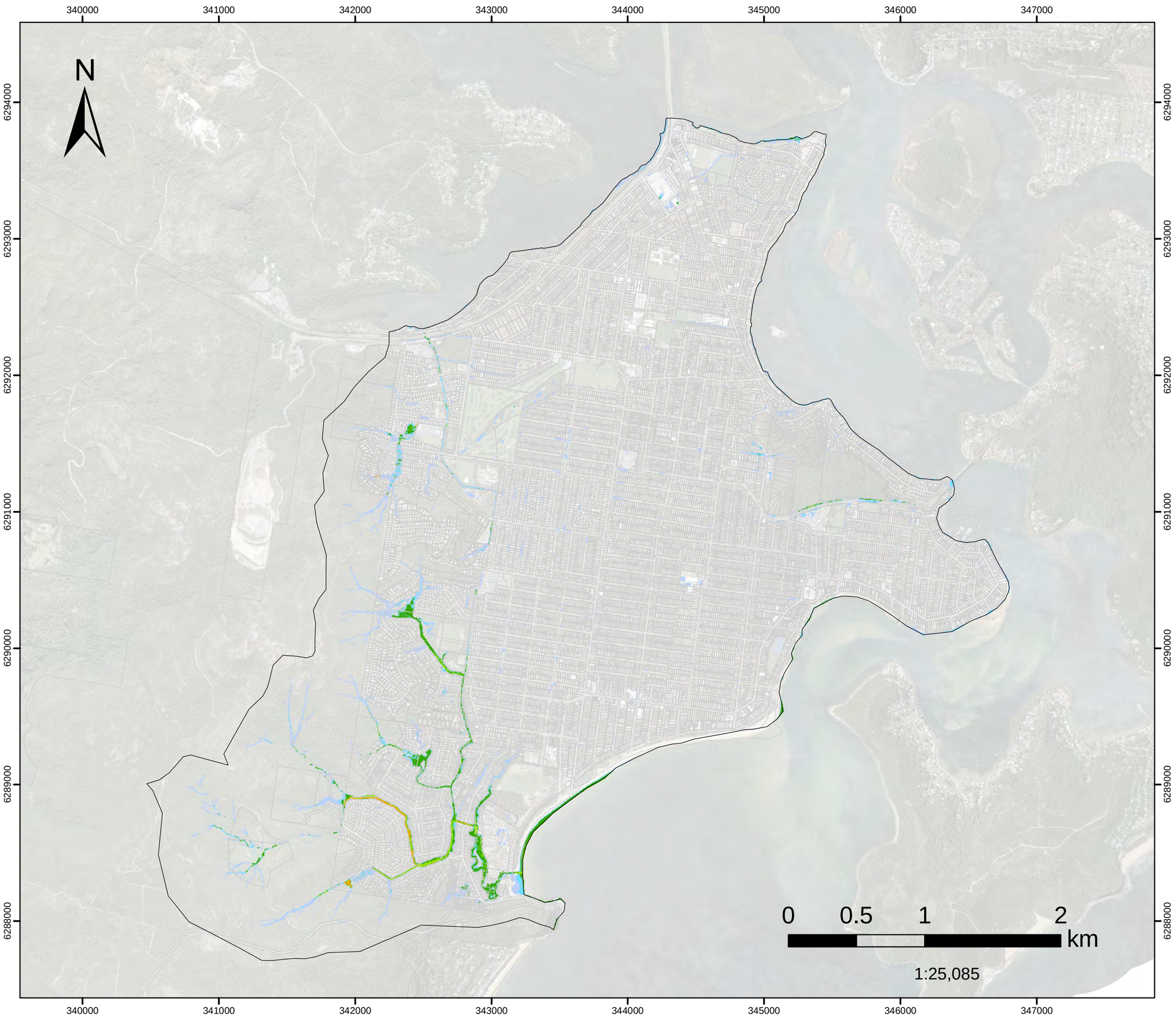

FIGURE L.125

20%AEP FM06A

Kahibah Ck system maintenance work

Hazard Classification

Assessed for the critical duration 1hr

Model Domain

H1

H2

H3

H4

H5

H6

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

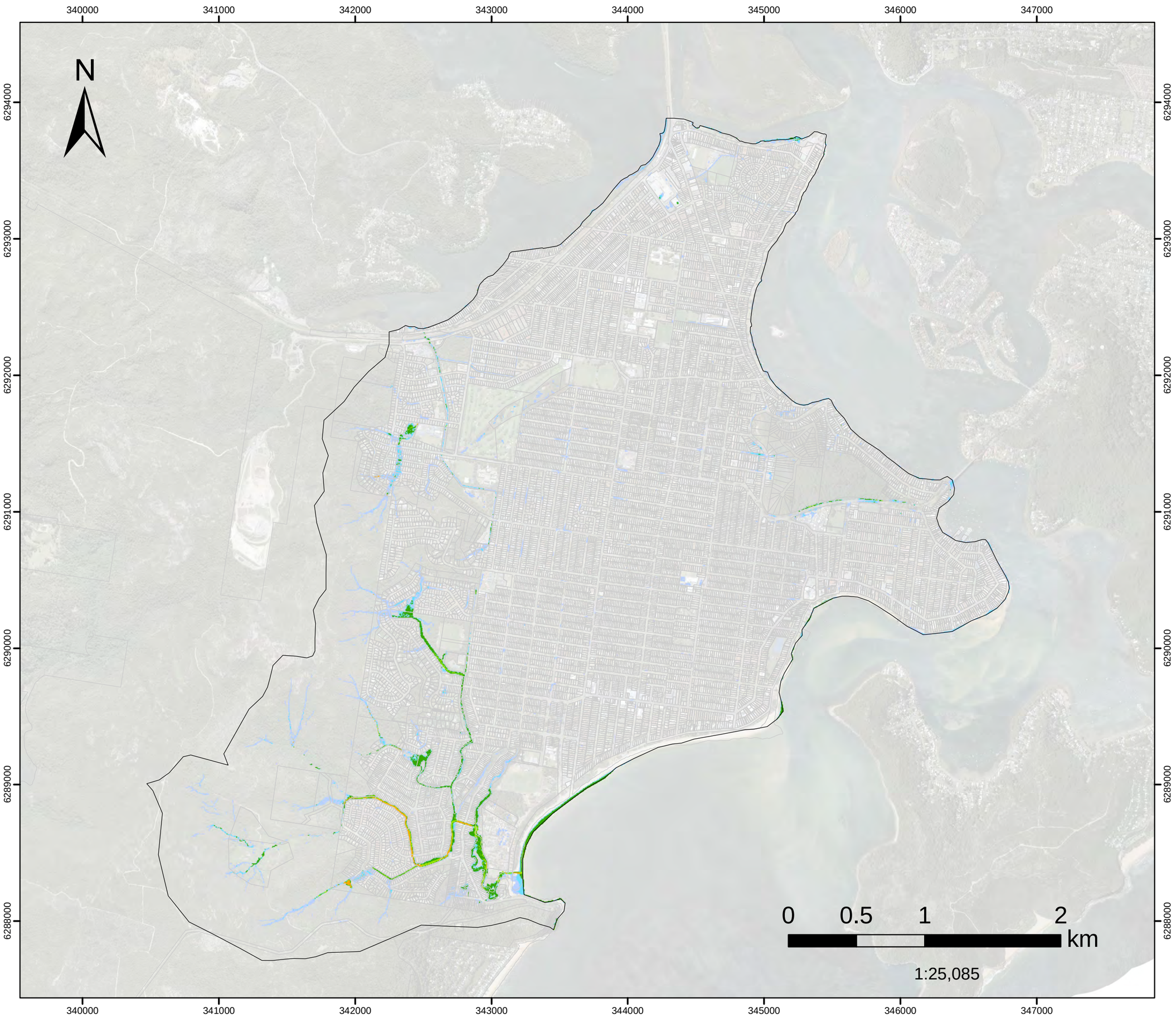

FIGURE L.126

20%AEP FM06B

Further improvement of the Kahibah Creek system

maintenance work

Hazard Classification

Assessed for the critical duration 1hr

Model Domain

H1

H2

H3

H4

H5

H6

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

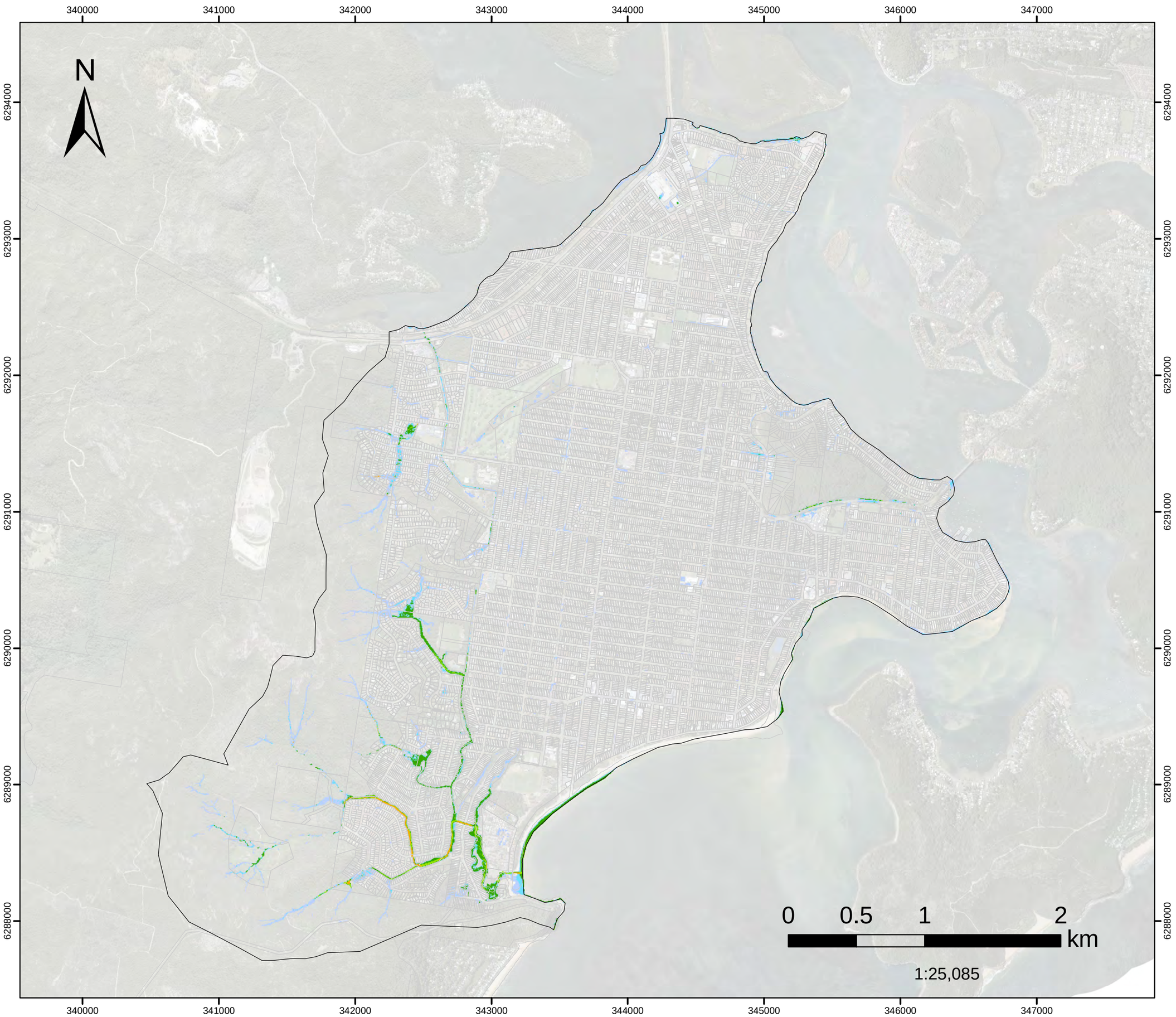

FIGURE L.127

20%AEP FM08

Palmtree Grove Detention Basin Hazard Classification

Assessed for the critical duration 1hr

- Model Domain
- H1
- H2
- H3
- H4
- H5
- H6

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

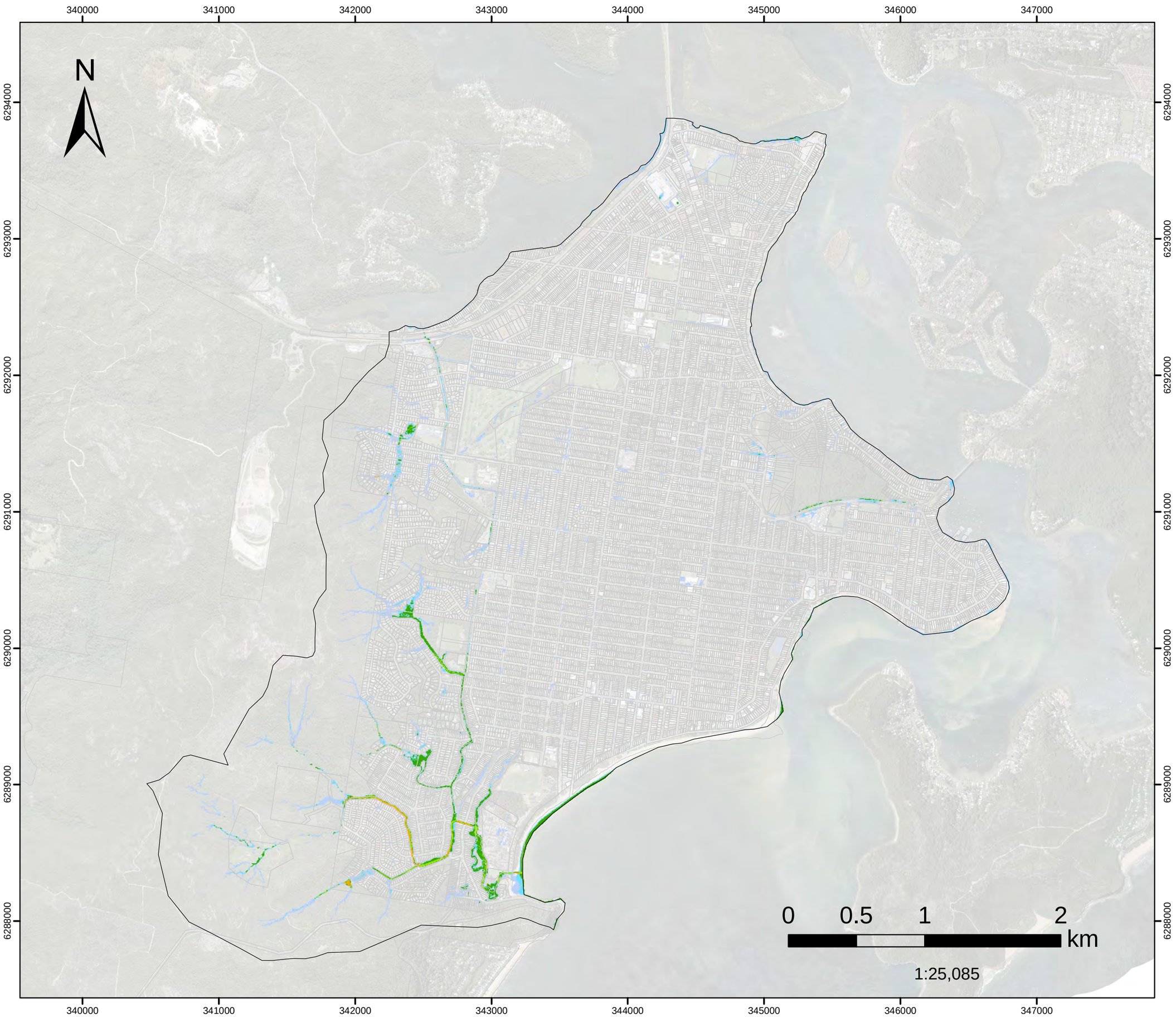

FIGURE L.128

20%AEP FM09

Wilks Av and McManus Cl Hazard Classification

Assessed for the critical duration 1hr

- Model Domain
- H1
- H2
- H3
- H4
- H5
- H6

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

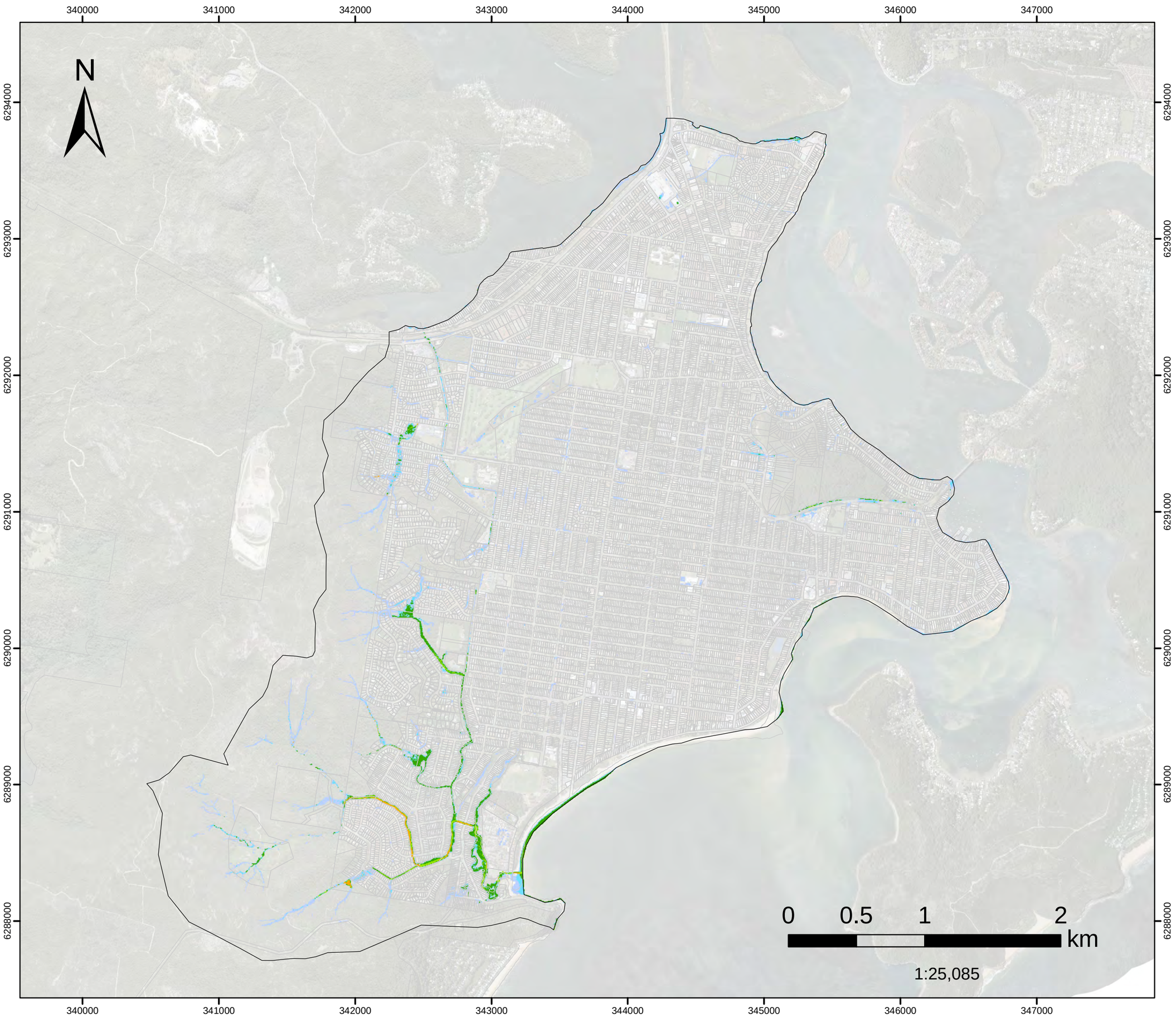

FIGURE L.129

20%AEP FM10

Neera Rd
Hazard Classification

Assessed for the critical duration 1hr

Model Domain

H1

H2

H3

H4

H5

H6

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

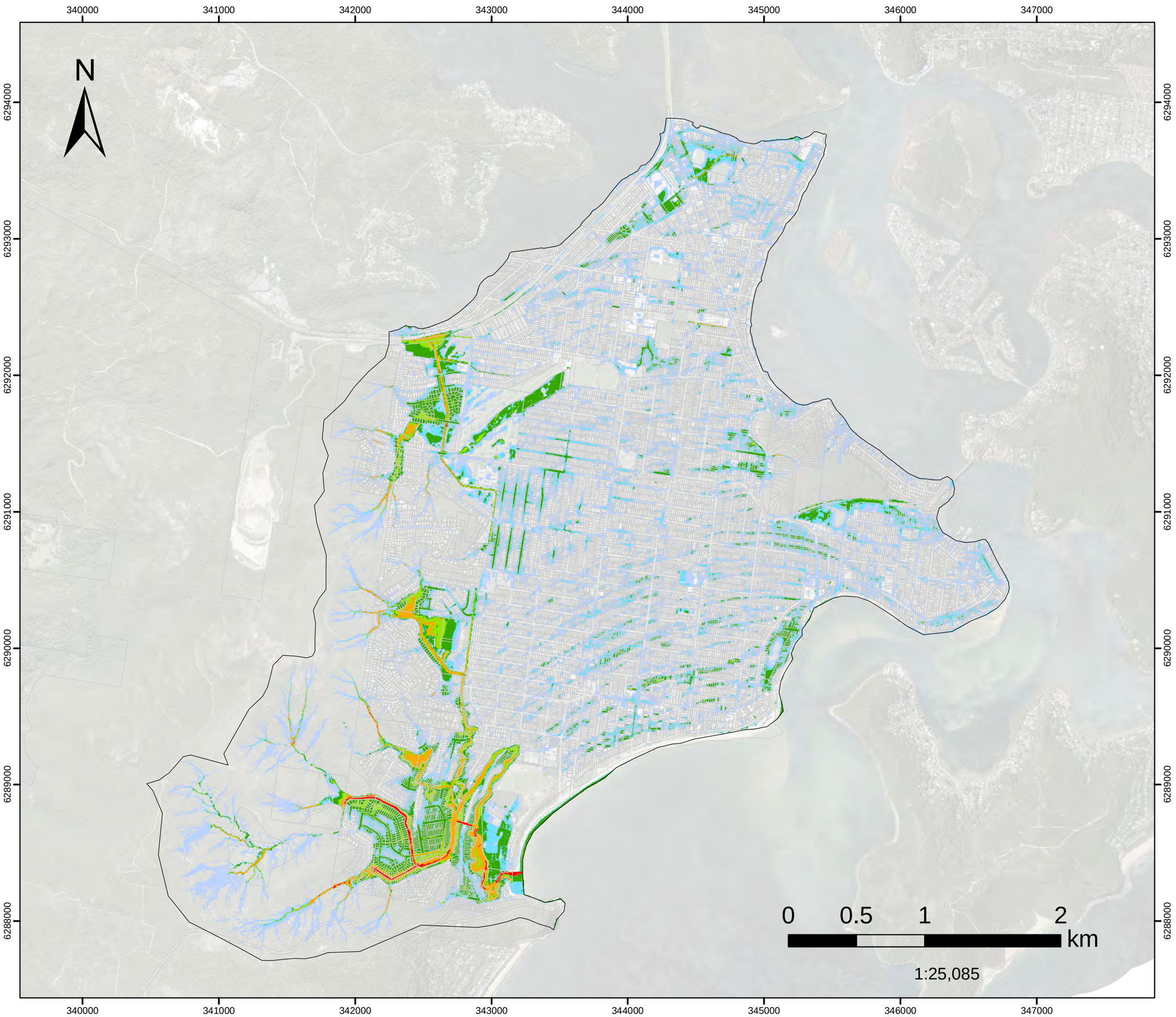

FIGURE L.130

PMF FM01

Woy Woy CBD
Hazard Classification

Assessed for the critical duration 2hrs

- Model Domain
- H1
- H2
- H3
- H4
- H5
- H6

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

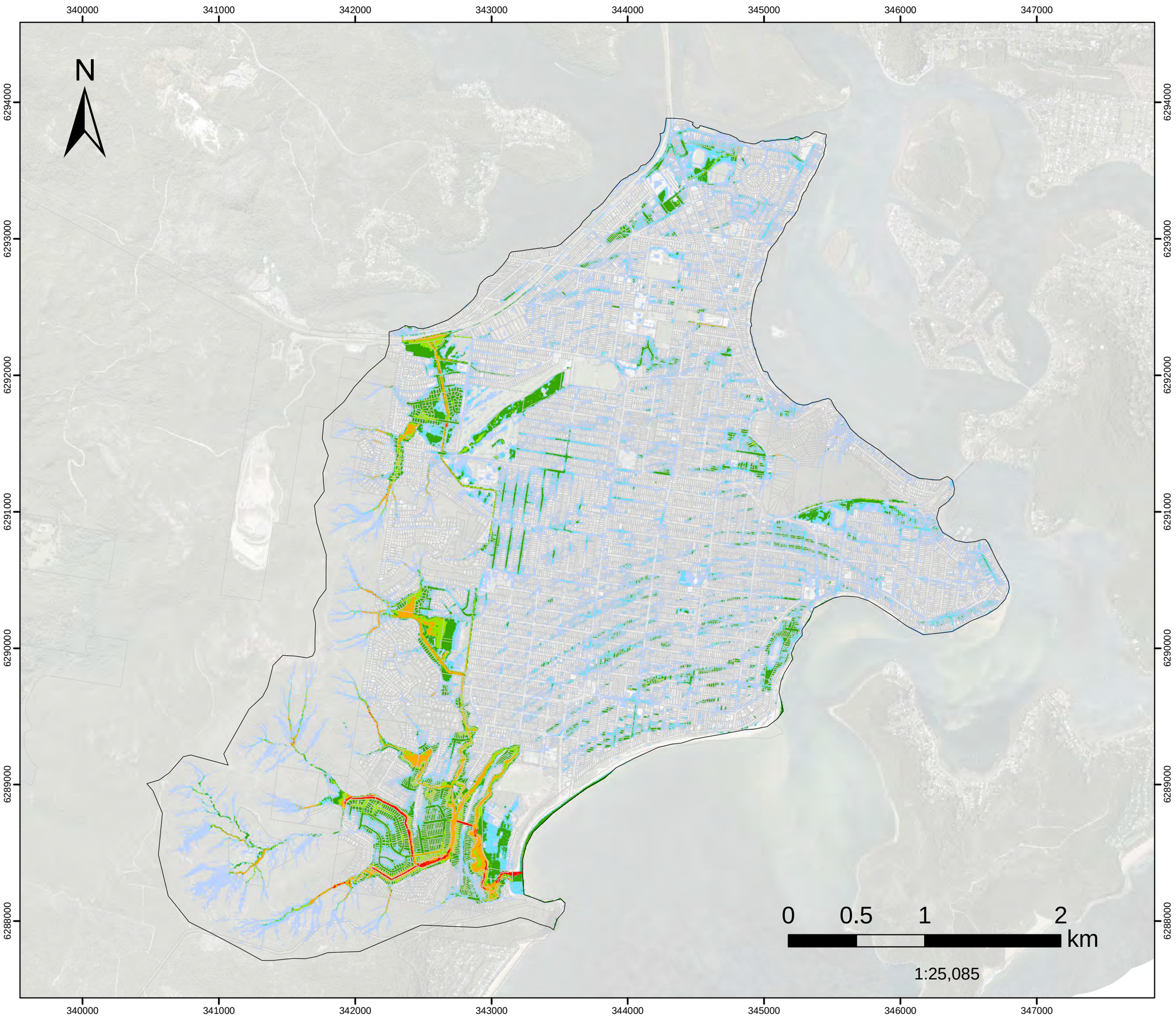

FIGURE L.131

PMF FM02

Dulkala Rd to Karingal Cl Hazard Classification

Assessed for the critical duration 2hrs

- Model Domain
- H1
- H2
- H3
- H4
- H5
- H6

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

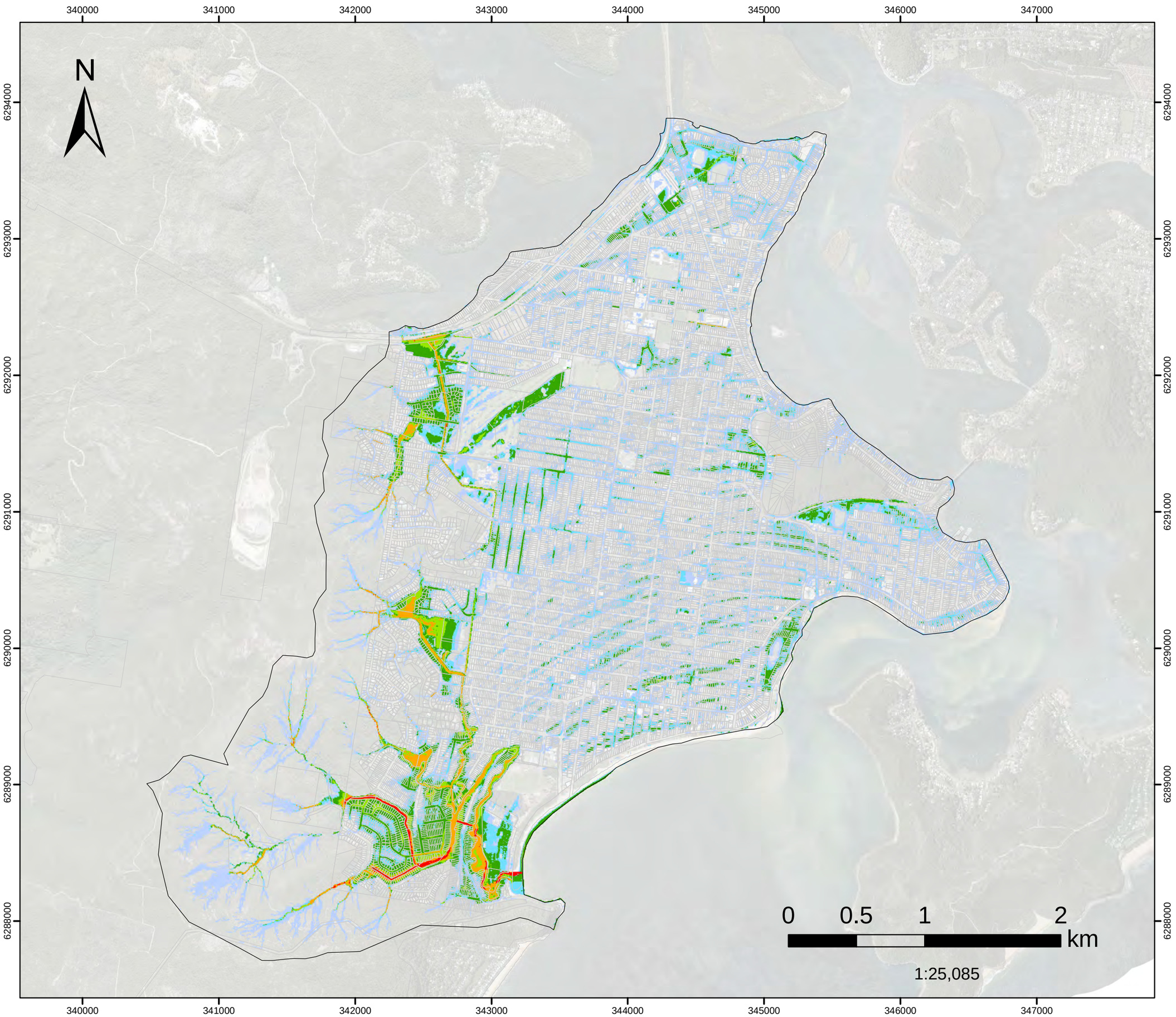

FIGURE L.132

PMF FM03

Infiltration Devices Hazard Classification

Assessed for the critical duration 2hrs

Model Domain

H1

H2

H3

H4

H5

H6

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

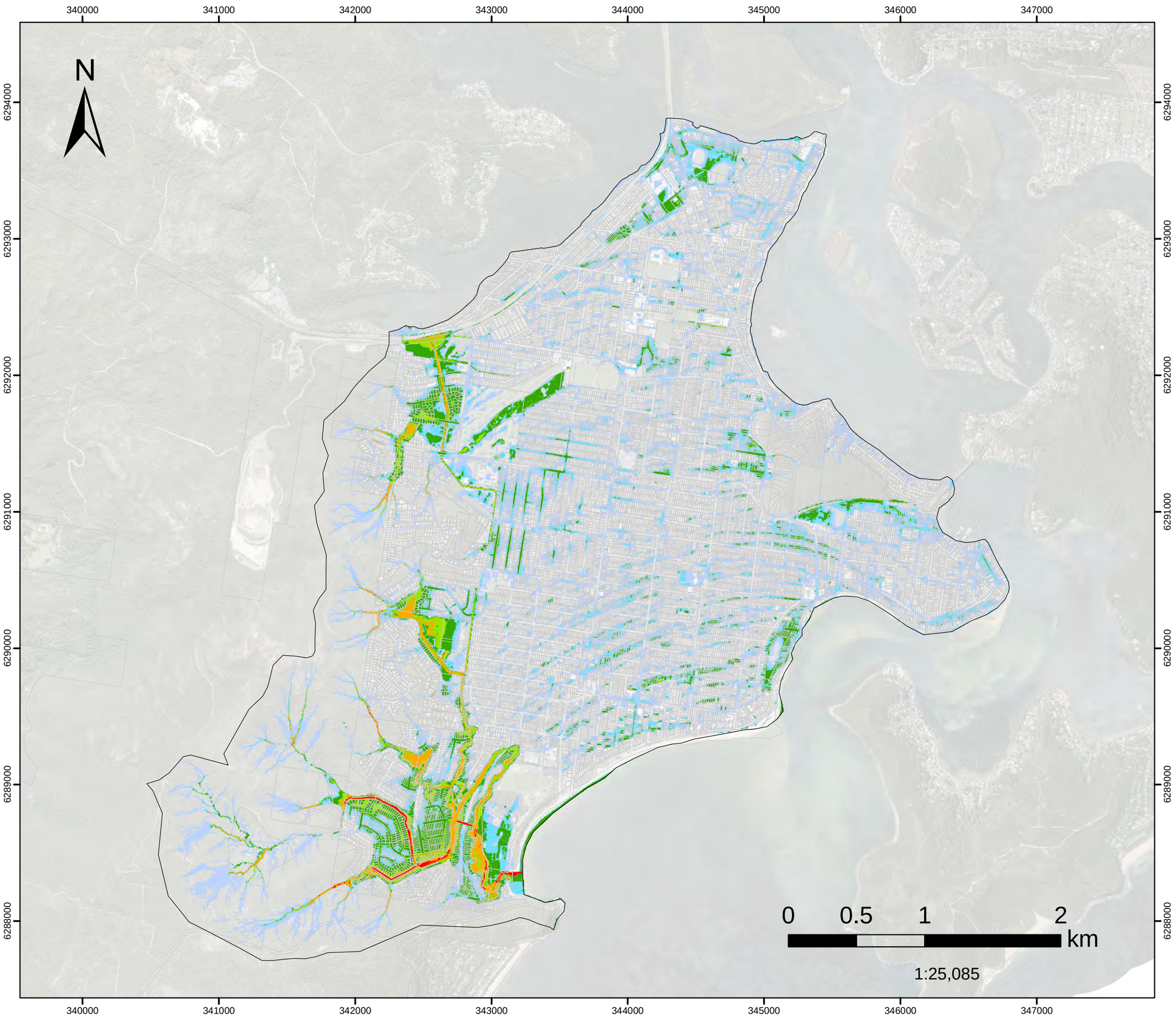

FIGURE L.133

PMF FM05

Greenhaven Dr
Hazard Classification

Assessed for the critical duration 2hrs

- Model Domain
- H1
- H2
- H3
- H4
- H5
- H6

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

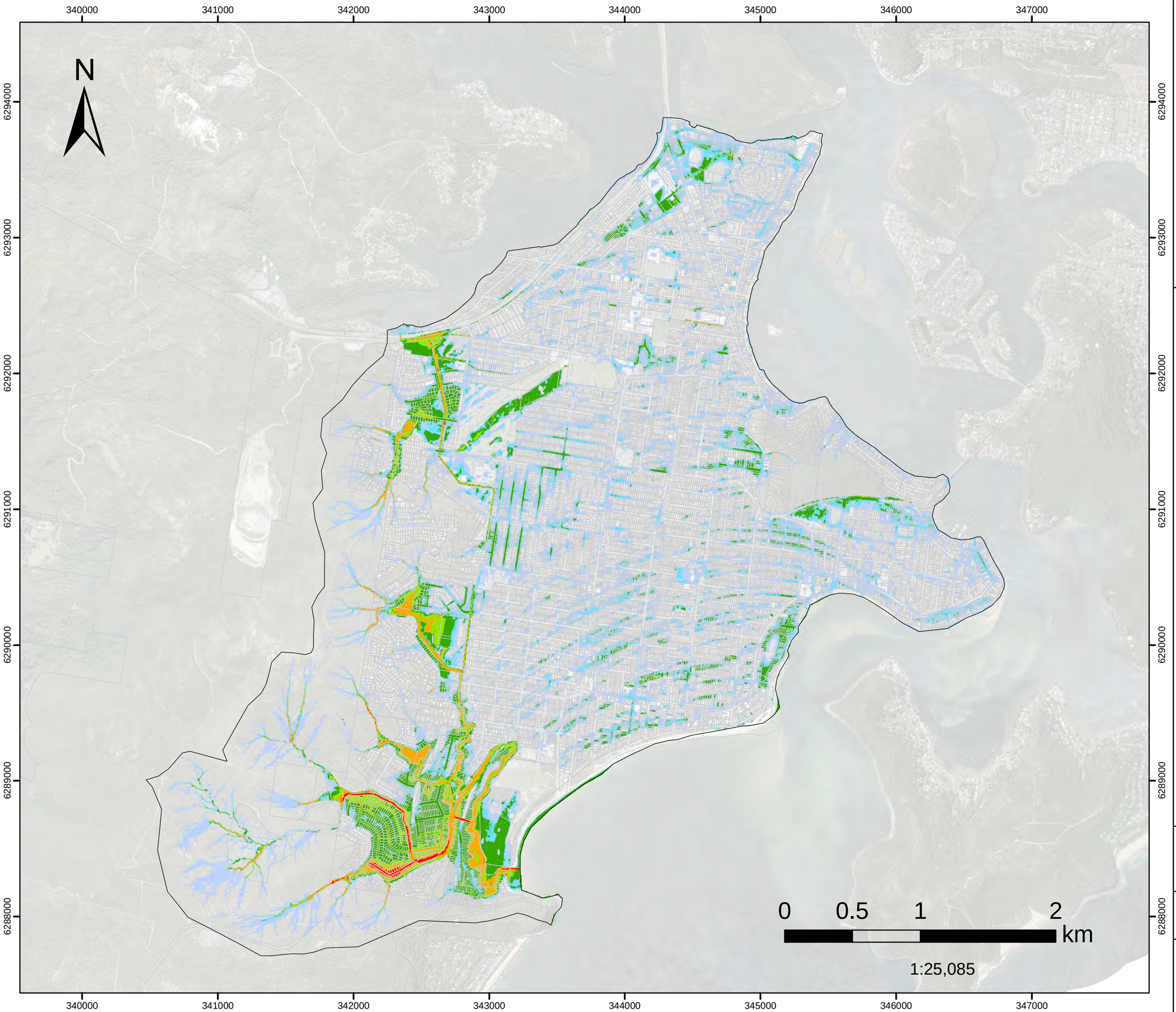

FIGURE L.134

PMF FM06A

Kahibah Ck system maintenance work

Hazard Classification

Assessed for the critical duration 2hrs

- Model Domain
- H1
- H2
- H3
- H4
- H5
- H6

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

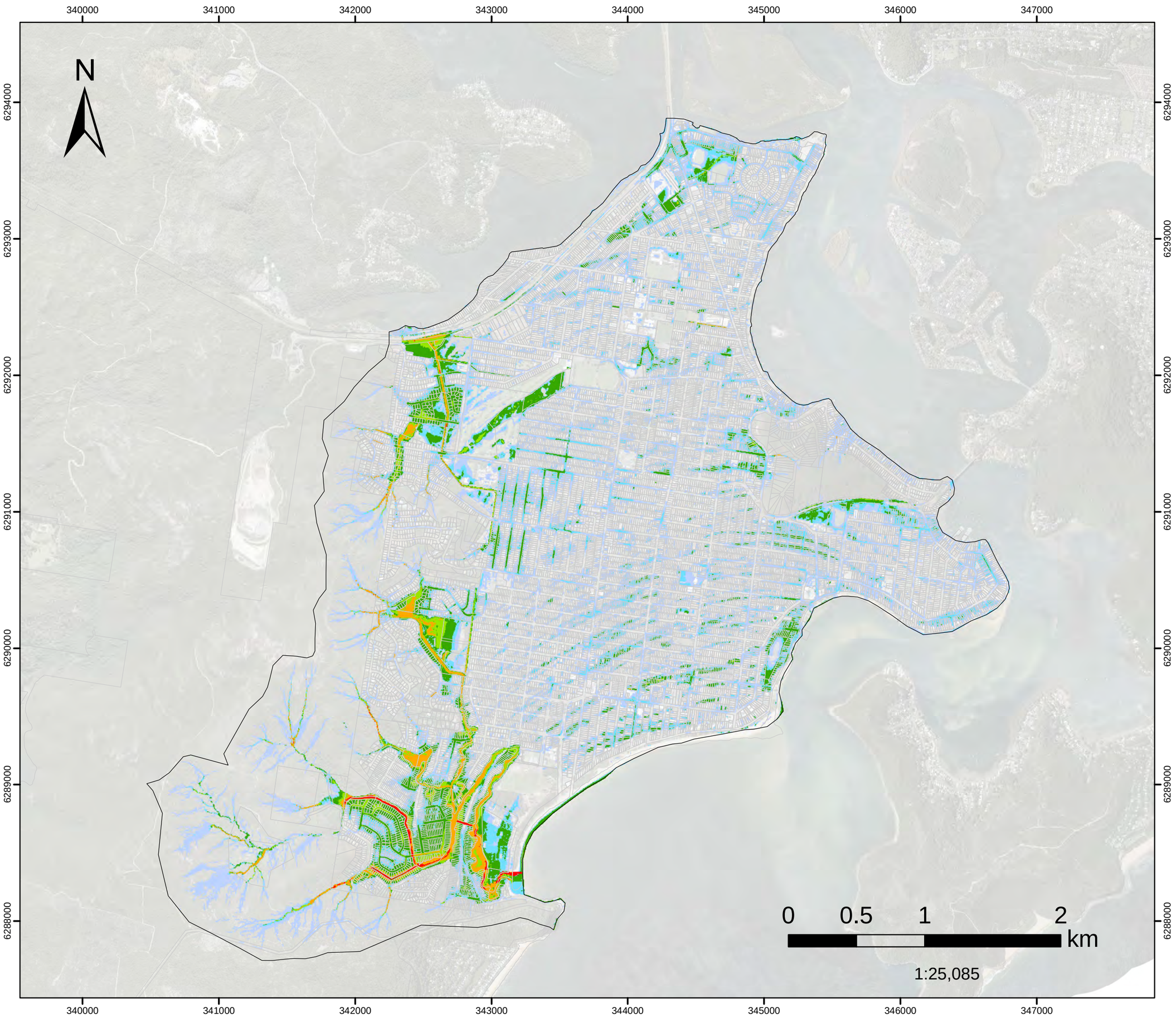

FIGURE L.135

PMF FM08

Palmtree Grove Detention Basin Hazard Classification

Assessed for the critical duration 2hrs

- Model Domain
- H1
- H2
- H3
- H4
- H5
- H6

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

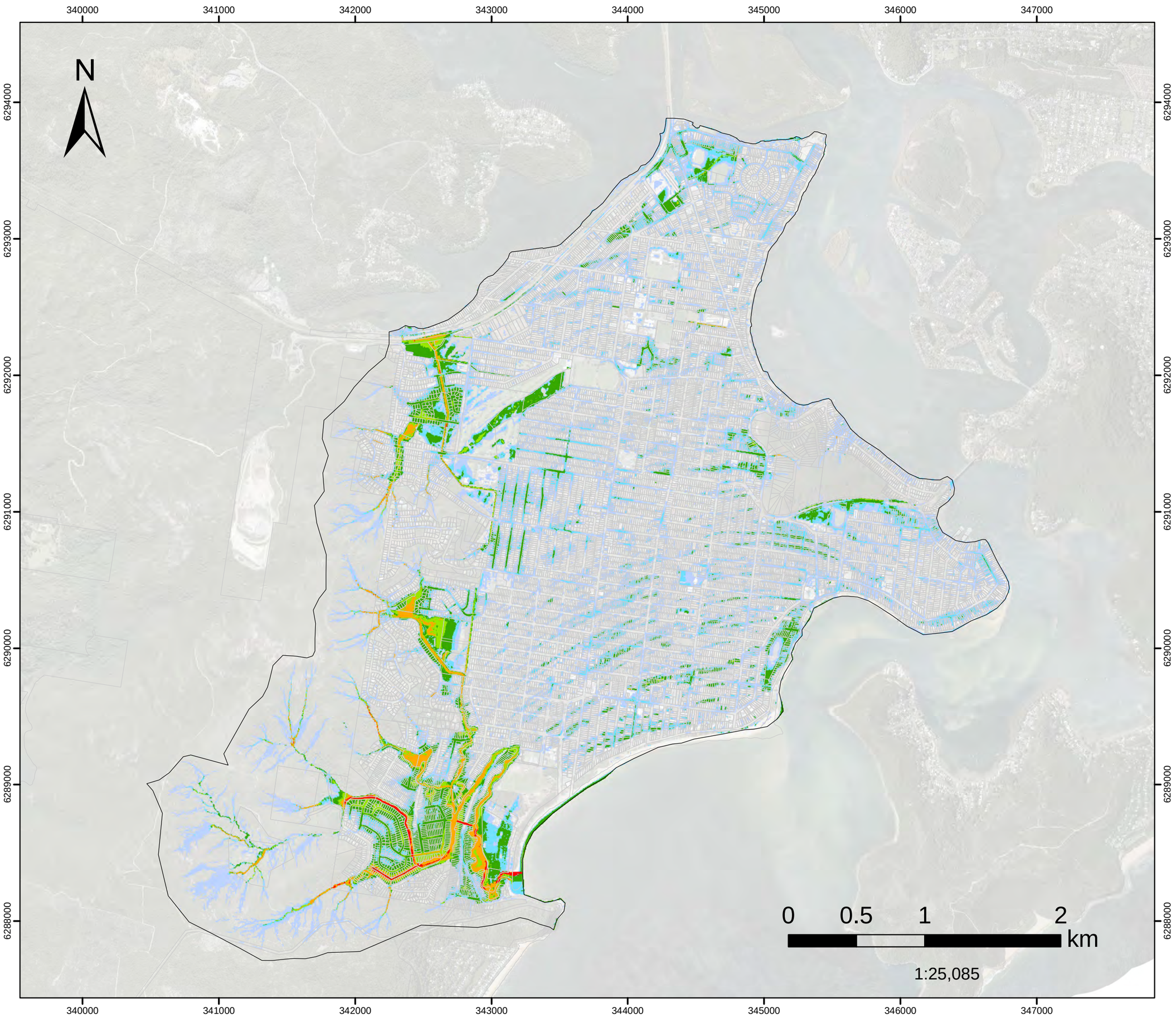

FIGURE L.136

PMF FM10

Neera Rd
Hazard Classification

Assessed for the critical duration 2hrs

Model Domain

H1

H2

H3

H4

H5

H6

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

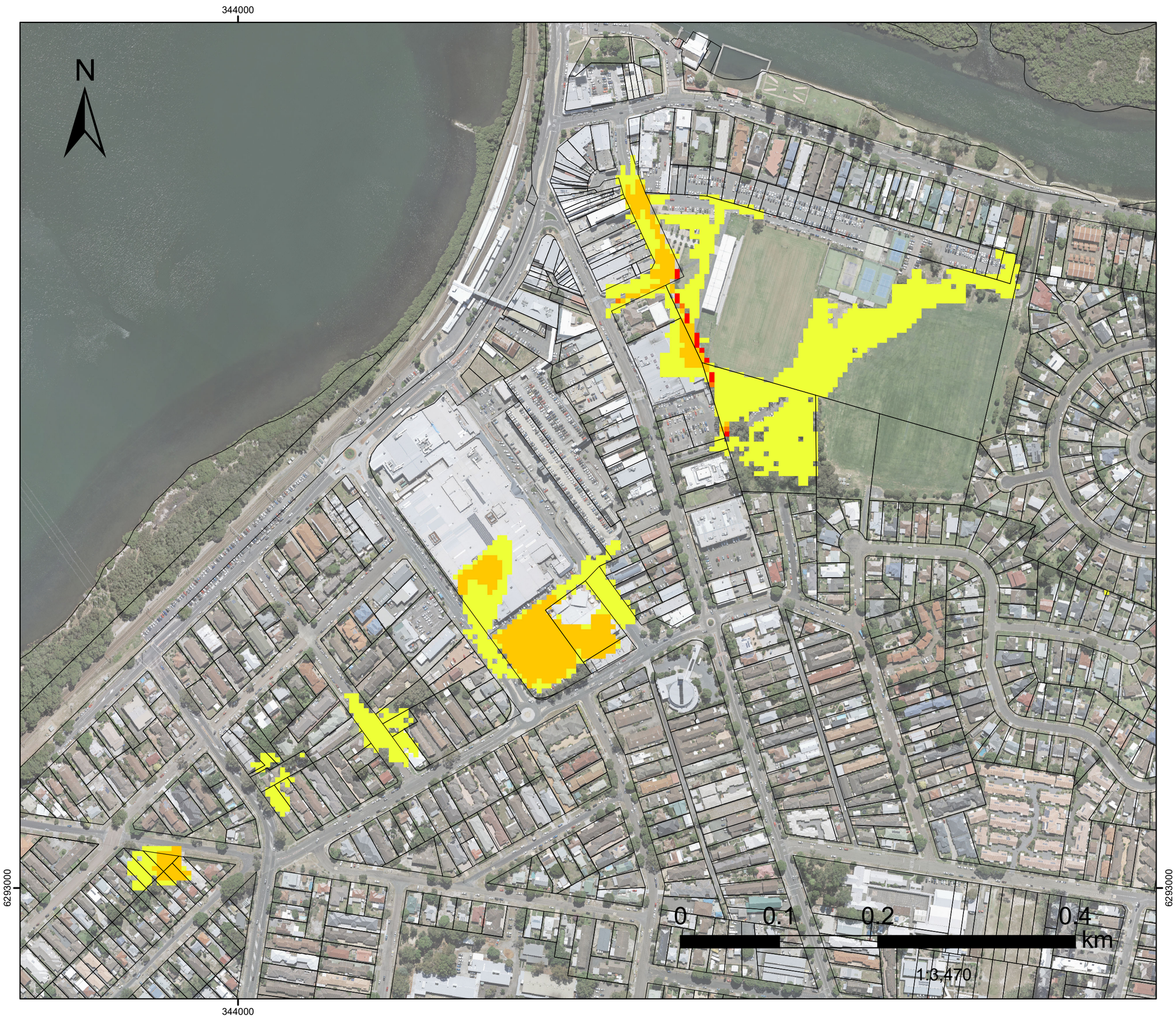

FIGURE L.137

1%AEP FM01

Woy Woy CBD

Flood Level Difference

Flood Level Difference

(m)

- -0.31 - -0.3
- -0.29 - -0.2
- -0.19 - -0.1
- -0.09 - -0.01
- -0.009 - 0.01
- 0.011 - 0.1
- 0.11 - 0.2
- 0.21 - 0.3
- 0.31 - 1

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

FIGURE L.138

10%AEP FM01

Woy Woy CBD

Flood Level Difference

Flood Level Difference

(m)

- -0.31 - -0.3
- -0.29 - -0.2
- -0.19 - -0.1
- -0.09 - -0.01
- -0.009 - 0.01
- 0.011 - 0.1
- 0.11 - 0.2
- 0.21 - 0.3
- 0.31 - 1

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

FIGURE L.139

20%AEP FM01

Woy Woy CBD

Flood Level Difference

Flood Level Difference

(m)

- -0.31 - -0.3
- -0.29 - -0.2
- -0.19 - -0.1
- -0.09 - -0.01
- -0.009 - 0.01
- 0.011 - 0.1
- 0.11 - 0.2
- 0.21 - 0.3
- 0.31 - 1

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

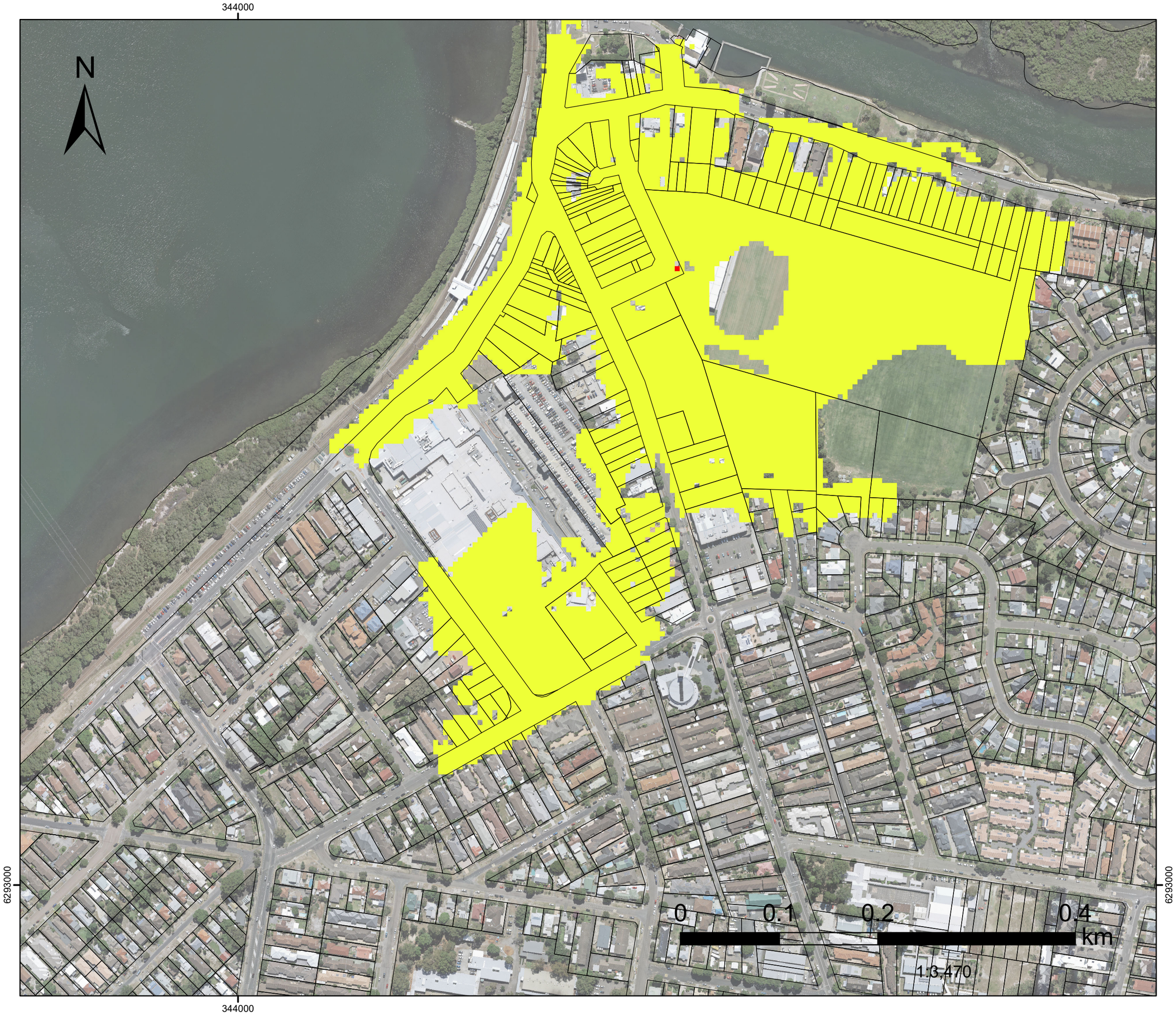

FIGURE L.140

PMF FM01

Woy Woy CBD

Flood Level Difference

Flood Level Difference

(m)

- -0.31 - -0.3
- -0.29 - -0.2
- -0.19 - -0.1
- -0.09 - -0.01
- -0.009 - 0.01
- 0.011 - 0.1
- 0.11 - 0.2
- 0.21 - 0.3
- 0.31 - 1

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

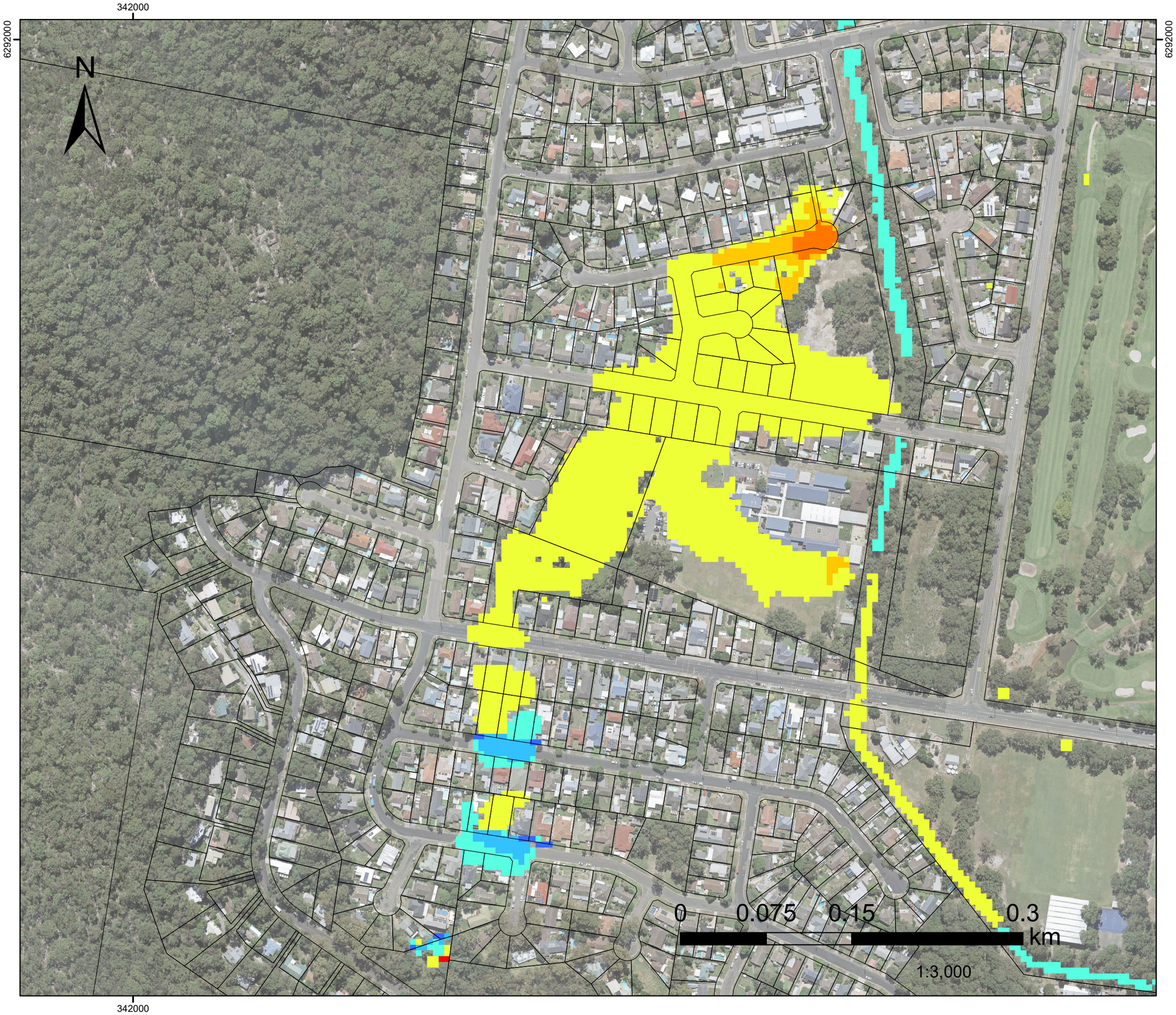

FIGURE L.141

1%AEP FM02

Dulkala Rd to Karingal Cl

Flood Level Difference

Flood Level Difference

(m)

- -0.31 - -0.3
- -0.29 - -0.2
- -0.19 - -0.1
- -0.09 - -0.01
- -0.009 - 0.01
- 0.011 - 0.1
- 0.11 - 0.2
- 0.21 - 0.3
- 0.31 - 1

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

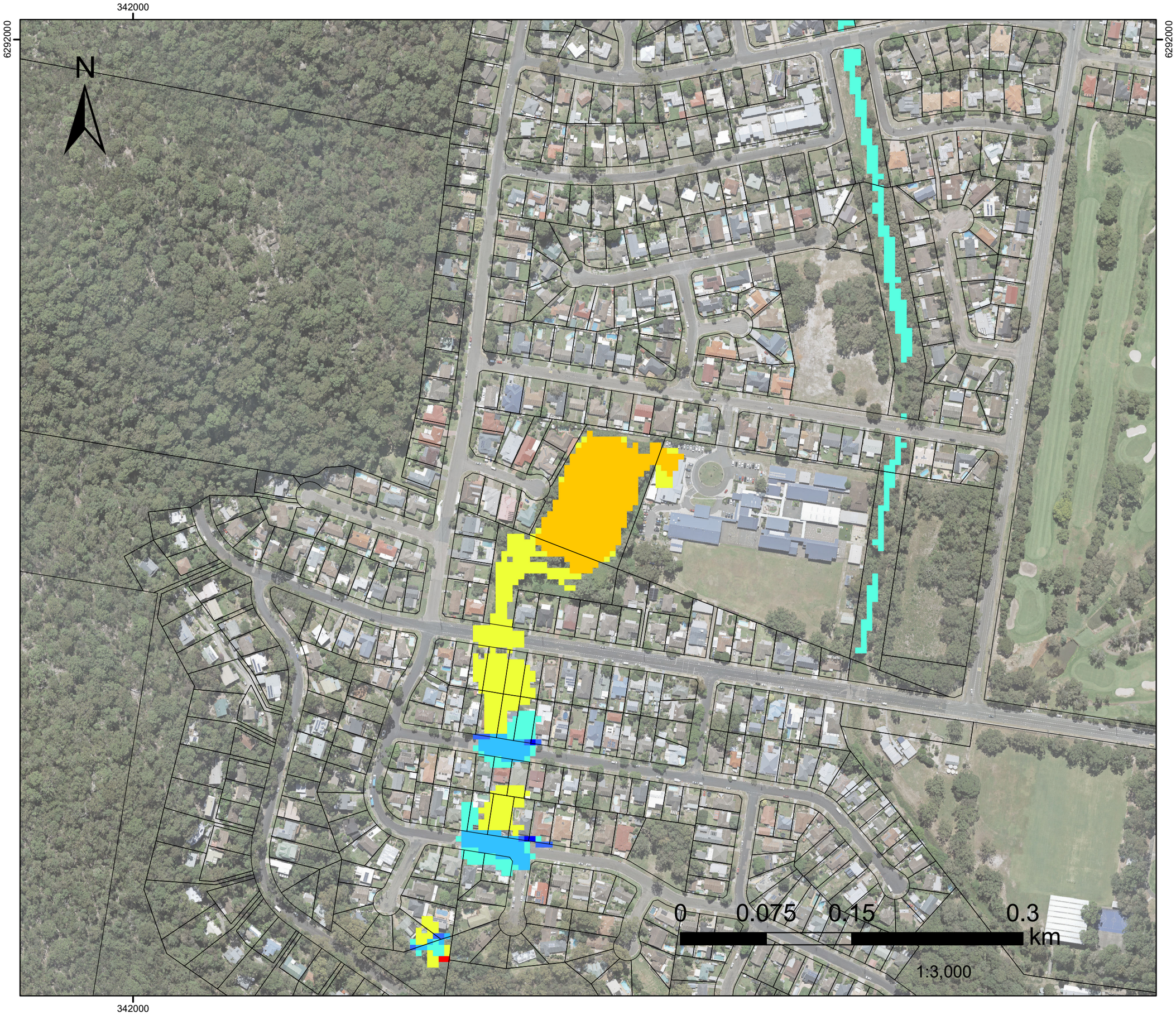

FIGURE L.142

10%AEP FM02

Dulkala Rd to Karingal Cl

Flood Level Difference

Flood Level Difference

(m)

- -0.31 - -0.3
- -0.29 - -0.2
- -0.19 - -0.1
- -0.09 - -0.01
- -0.009 - 0.01
- 0.011 - 0.1
- 0.11 - 0.2
- 0.21 - 0.3
- 0.31 - 1

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

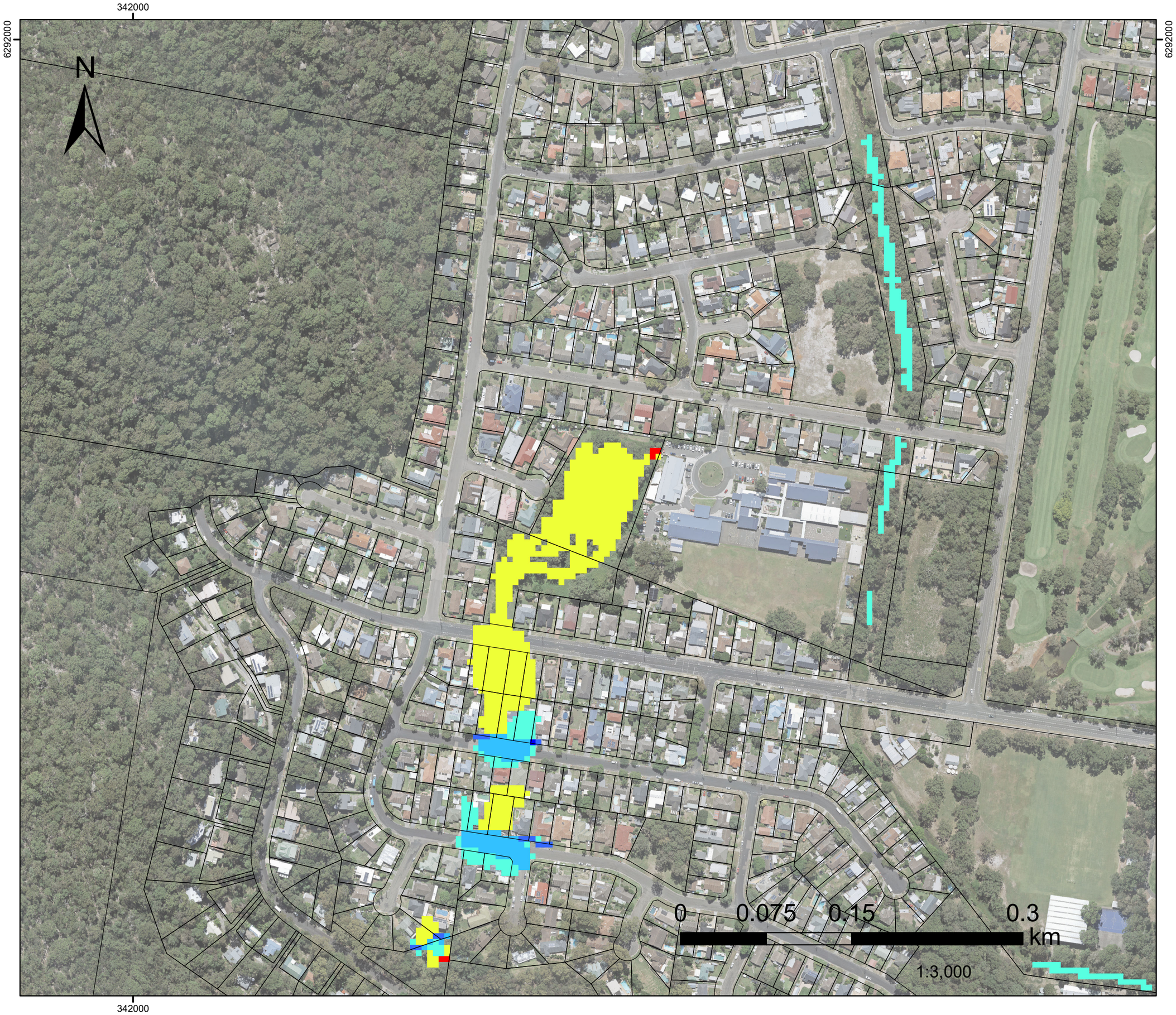

FIGURE L.143

20%AEP FM02

Dulkala Rd to Karingal Cl

Flood Level Difference

Flood Level Difference

(m)

- -0.31 - -0.3
- -0.29 - -0.2
- -0.19 - -0.1
- -0.09 - -0.01
- -0.009 - 0.01
- 0.011 - 0.1
- 0.11 - 0.2
- 0.21 - 0.3
- 0.31 - 1

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

FIGURE L.144

PMF FM02

Dulkala Rd to Karingal Cl

Flood Level Difference

Flood Level Difference

(m)

- -0.31 - -0.3
- -0.29 - -0.2
- -0.19 - -0.1
- -0.09 - -0.01
- -0.009 - 0.01
- 0.011 - 0.1
- 0.11 - 0.2
- 0.21 - 0.3
- 0.31 - 1

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

DHI

Version	FINAL
Date	1 Aug 2021
Project No	43803055

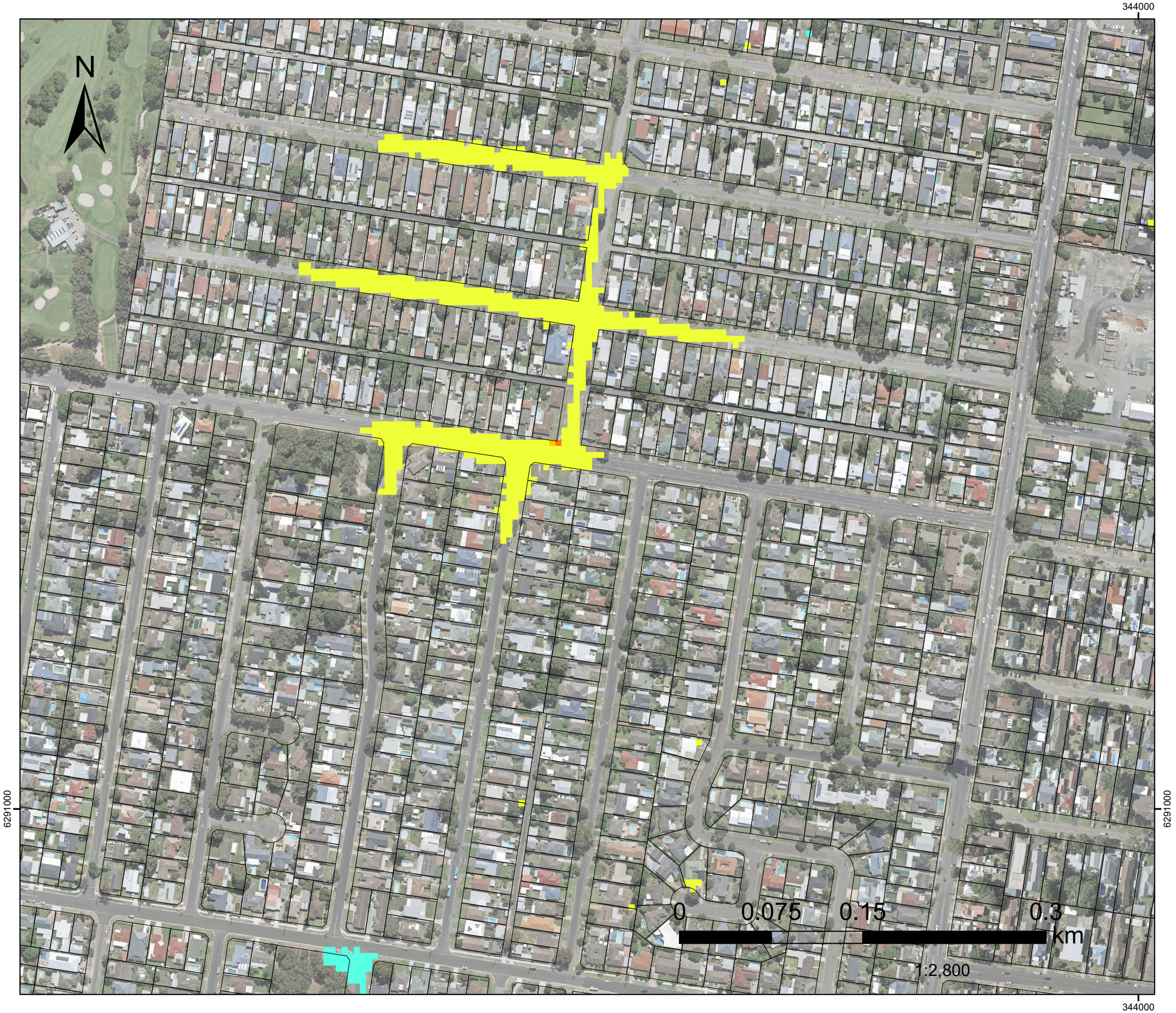

FIGURE L.145

1%AEP FM03

Infiltration Devices

Flood Level Difference

Flood Level Difference

(m)

- -0.31 - -0.3
- -0.29 - -0.2
- -0.19 - -0.1
- -0.09 - -0.01
- -0.009 - 0.01
- 0.011 - 0.1
- 0.11 - 0.2
- 0.21 - 0.3
- 0.31 - 1

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

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FIGURE L.146

10%AEP FM03

Infiltration Devices

Flood Level Difference

Flood Level Difference

(m)

- -0.31 - -0.3
- -0.29 - -0.2
- -0.19 - -0.1
- -0.09 - -0.01
- -0.009 - 0.01
- 0.011 - 0.1
- 0.11 - 0.2
- 0.21 - 0.3
- 0.31 - 1

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

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FIGURE L.147

20%AEP FM03

Infiltration Devices

Flood Level Difference

Flood Level Difference

(m)

- -0.31 - -0.3
- -0.29 - -0.2
- -0.19 - -0.1
- -0.09 - -0.01
- -0.009 - 0.01
- 0.011 - 0.1
- 0.11 - 0.2
- 0.21 - 0.3
- 0.31 - 1

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

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Flood Risk Management Study

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FIGURE L.148

PMF FM03

Infiltration Devices

Flood Level Difference

Flood Level Difference

(m)

- -0.31 - -0.3
- -0.29 - -0.2
- -0.19 - -0.1
- -0.09 - -0.01
- -0.009 - 0.01
- 0.011 - 0.1
- 0.11 - 0.2
- 0.21 - 0.3
- 0.31 - 1

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

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Flood Risk Management Study

Version	FINAL
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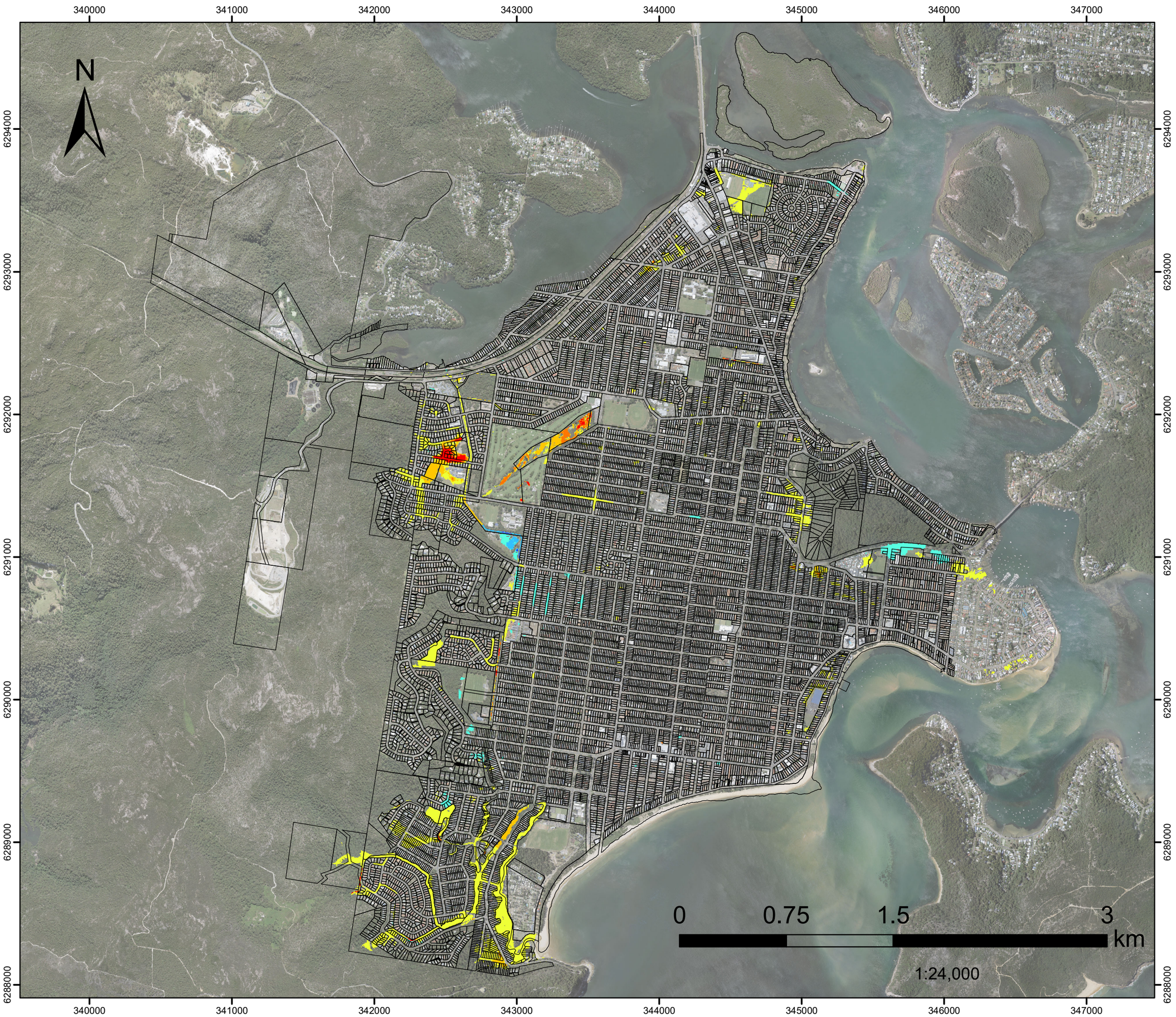

FIGURE L.149

1%AEP FM04

Groundwater pumping and Everglades drainage update work

Flood Level Difference

Flood Level Difference

(m)

- -0.31 - -0.3
- -0.29 - -0.2
- -0.19 - -0.1
- -0.09 - -0.01
- -0.009 - 0.01
- 0.011 - 0.1
- 0.11 - 0.2
- 0.21 - 0.3
- 0.31 - 1

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

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FIGURE L.150

20%AEP FM04

Groundwater pumping and Everglades drainage update work

Flood Level Difference

Flood Level Difference

(m)

- -0.31 - -0.3
- -0.29 - -0.2
- -0.19 - -0.1
- -0.09 - -0.01
- -0.009 - 0.01
- 0.011 - 0.1
- 0.11 - 0.2
- 0.21 - 0.3
- 0.31 - 1

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

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Flood Risk Management Study

DHI

Version	FINAL
Date	1 Aug 2021
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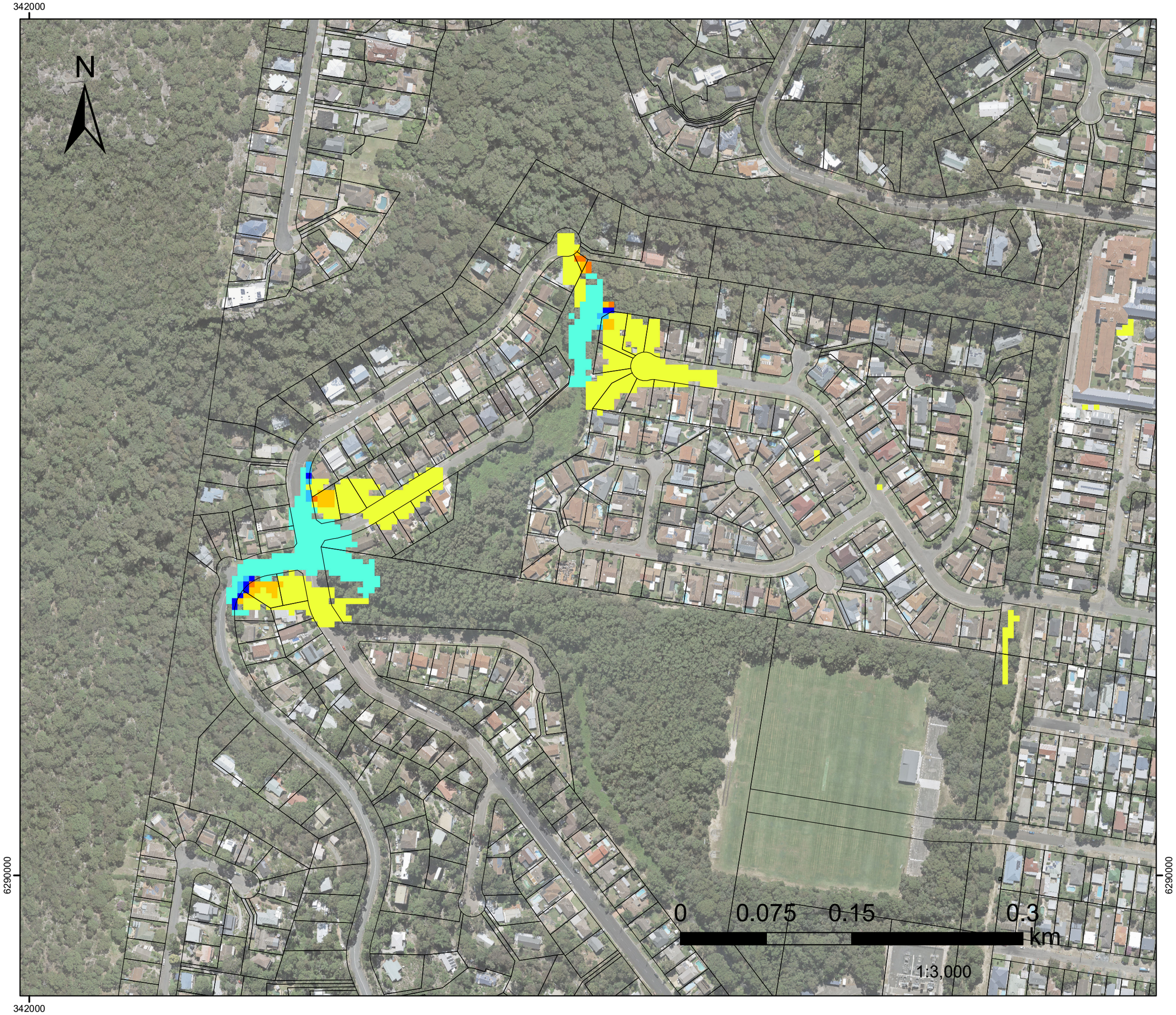

FIGURE L.151

1%AEP FM05

Greenhaven Dr

Flood Level Difference

Flood Level Difference

(m)

- -0.31 - -0.3
- -0.29 - -0.2
- -0.19 - -0.1
- -0.09 - -0.01
- -0.009 - 0.01
- 0.011 - 0.1
- 0.11 - 0.2
- 0.21 - 0.3
- 0.31 - 1

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

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FIGURE L.152

10%AEP FM05

Greenhaven Dr

Flood Level Difference

Flood Level Difference

(m)

- -0.31 - -0.3
- -0.29 - -0.2
- -0.19 - -0.1
- -0.09 - -0.01
- -0.009 - 0.01
- 0.011 - 0.1
- 0.11 - 0.2
- 0.21 - 0.3
- 0.31 - 1

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

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Flood Risk Management Study

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FIGURE L.153

20%AEP FM05

Greenhaven Dr

Flood Level Difference

Flood Level Difference

(m)

- -0.31 - -0.3
- -0.29 - -0.2
- -0.19 - -0.1
- -0.09 - -0.01
- -0.009 - 0.01
- 0.011 - 0.1
- 0.11 - 0.2
- 0.21 - 0.3
- 0.31 - 1

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

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342000

6290000

342000

FIGURE L.154

PMF FM05

Greenhaven Dr

Flood Level Difference

Flood Level Difference

(m)

- -0.31 - -0.3
- -0.29 - -0.2
- -0.19 - -0.1
- -0.09 - -0.01
- -0.009 - 0.01
- 0.011 - 0.1
- 0.11 - 0.2
- 0.21 - 0.3
- 0.31 - 1

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
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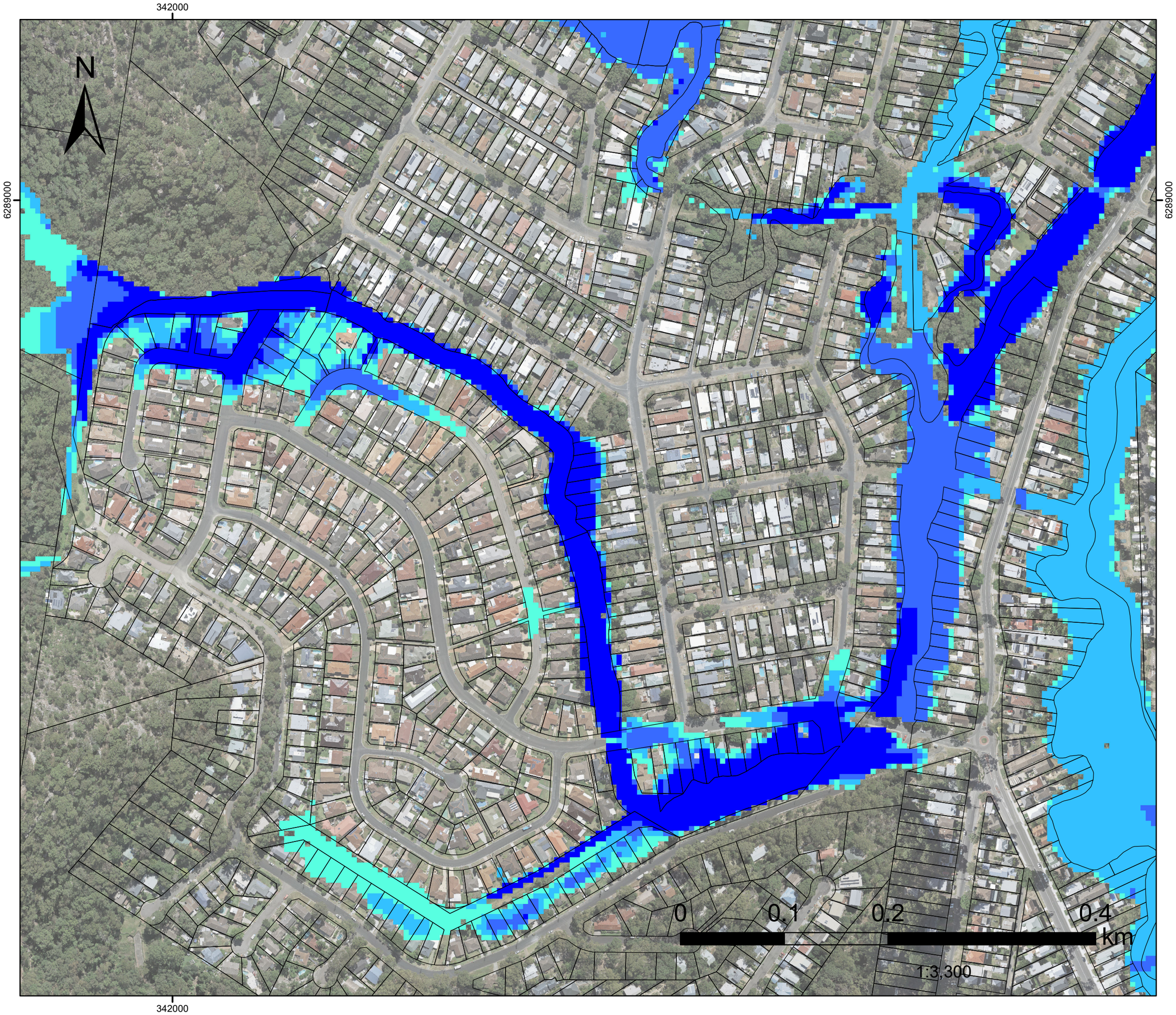

FIGURE L.155

1%AEP FM06A

Kahibah Ck system maintenance work

Flood Level Difference

Flood Level Difference

(m)

- -0.31 - -0.3
- -0.29 - -0.2
- -0.19 - -0.1
- -0.09 - -0.01
- -0.009 - 0.01
- 0.011 - 0.1
- 0.11 - 0.2
- 0.21 - 0.3
- 0.31 - 1

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

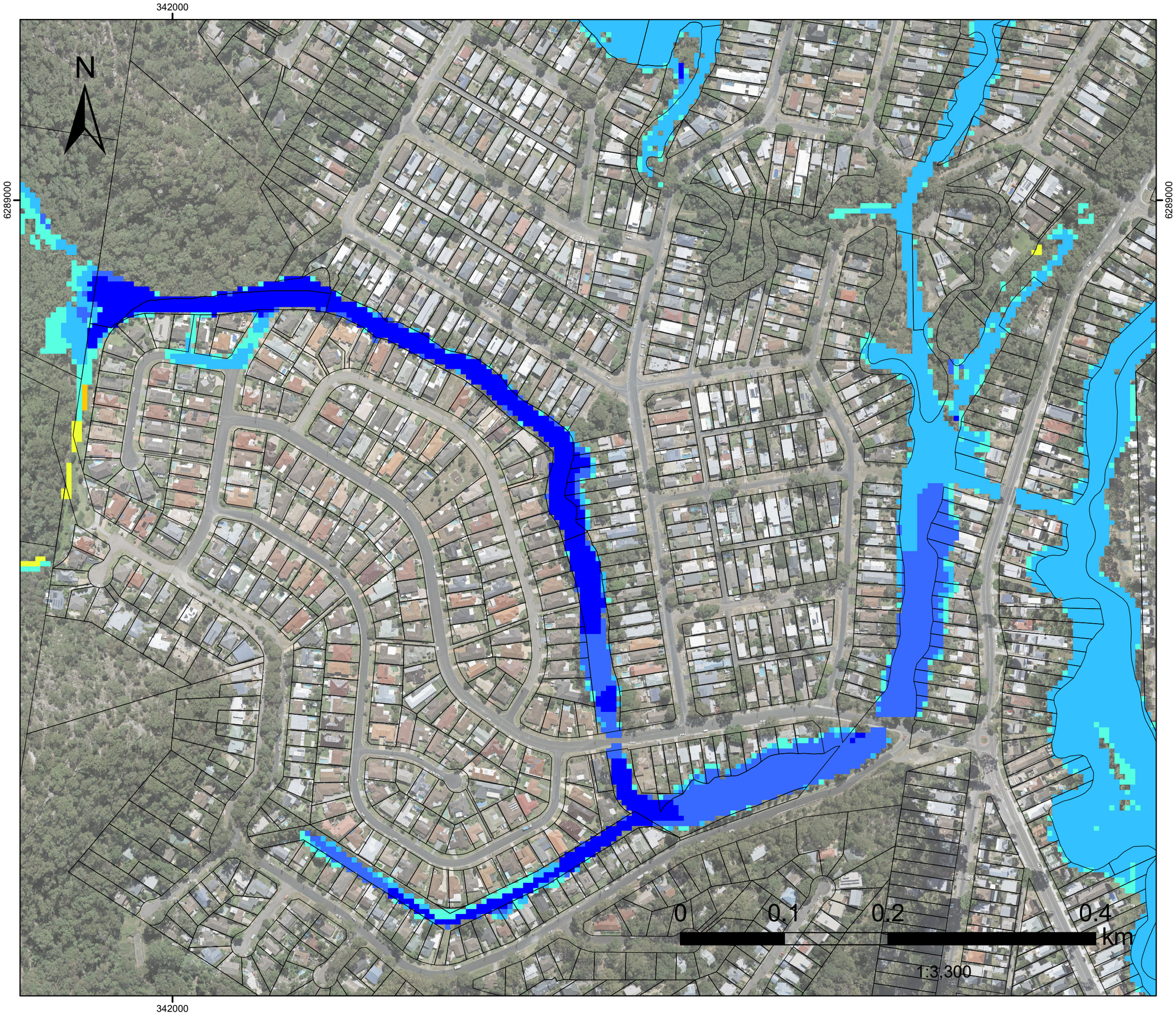

FIGURE L.156

10%AEP FM06A

Kahibah Ck system maintenance work

Flood Level Difference

Flood Level Difference

(m)

- -0.31 - -0.3
- -0.29 - -0.2
- -0.19 - -0.1
- -0.09 - -0.01
- -0.009 - 0.01
- 0.011 - 0.1
- 0.11 - 0.2
- 0.21 - 0.3
- 0.31 - 1

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

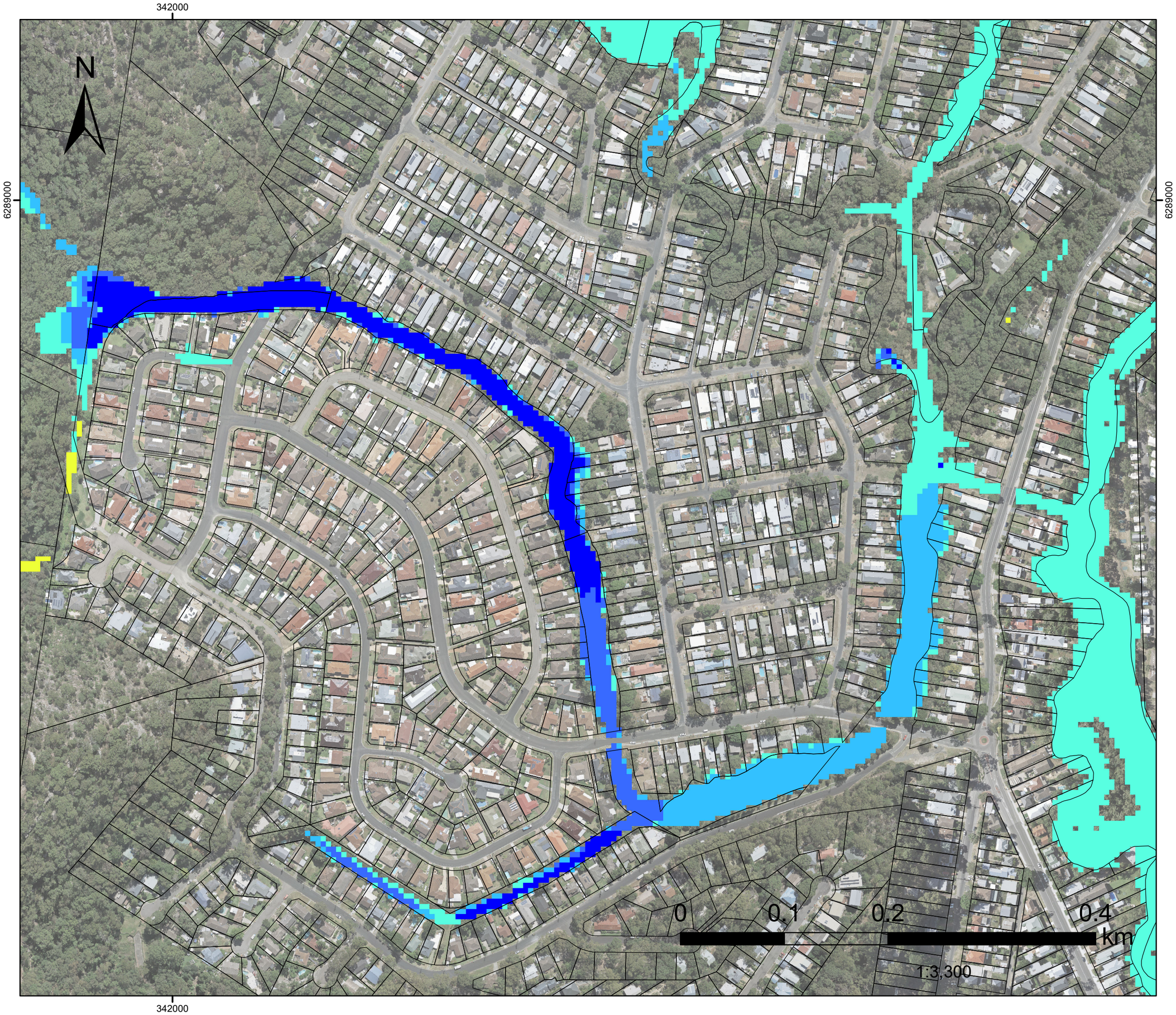

FIGURE L.157

20%AEP FM06A

Kahibah Ck system maintenance work

Flood Level Difference

Flood Level Difference

(m)

- -0.31 - -0.3
- -0.29 - -0.2
- -0.19 - -0.1
- -0.09 - -0.01
- -0.009 - 0.01
- 0.011 - 0.1
- 0.11 - 0.2
- 0.21 - 0.3
- 0.31 - 1

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

DHI

Version	FINAL
Date	1 Aug 2021
Project No	43803055

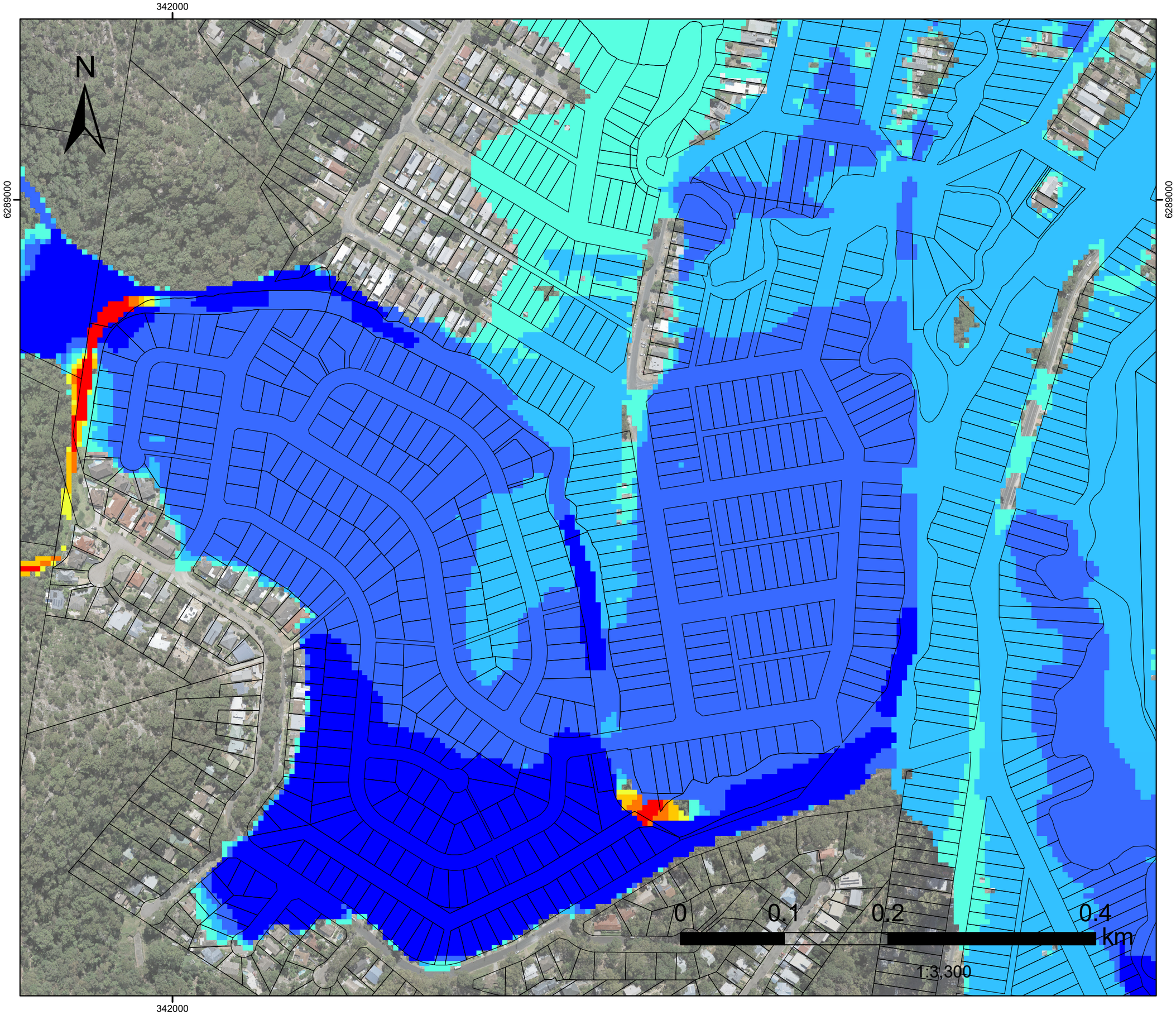

FIGURE L.158

PMF FM06A

Kahibah Ck system maintenance work

Flood Level Difference

Flood Level Difference

(m)

- -0.31 - -0.3
- -0.29 - -0.2
- -0.19 - -0.1
- -0.09 - -0.01
- -0.009 - 0.01
- 0.011 - 0.1
- 0.11 - 0.2
- 0.21 - 0.3
- 0.31 - 1

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

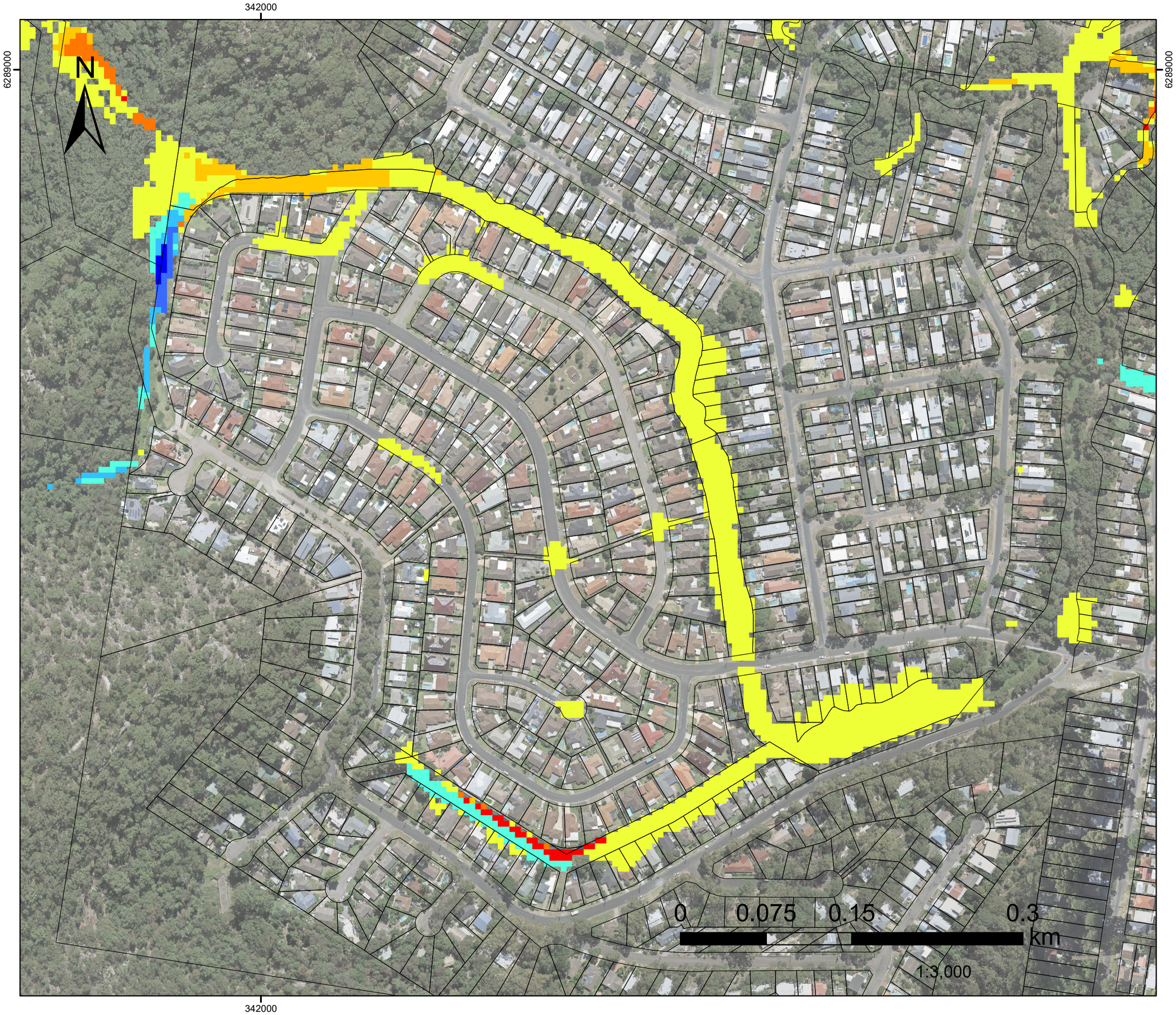

FIGURE L.159

1%AEP FM06B

Further improvement of the Kahibah Creek system maintenance work

Flood Level Difference

Flood Level Difference

(m)

- -0.31 - -0.3
- -0.29 - -0.2
- -0.19 - -0.1
- -0.09 - -0.01
- -0.009 - 0.01
- 0.011 - 0.1
- 0.11 - 0.2
- 0.21 - 0.3
- 0.31 - 1

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

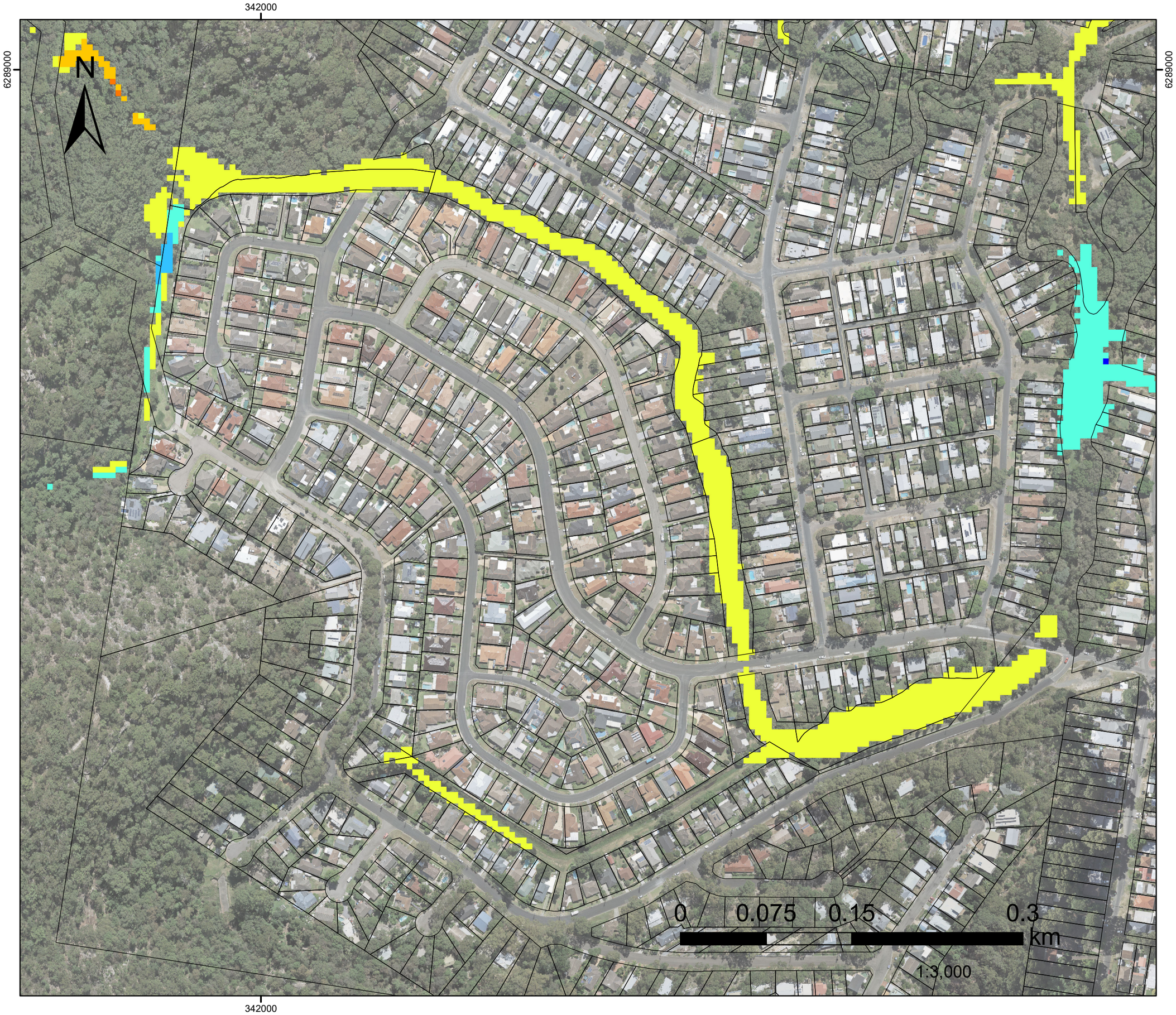

FIGURE L.160

20%AEP FM06B

Further improvement of the Kahibah Creek system maintenance work

Flood Level Difference

Flood Level Difference

(m)

- -0.31 - -0.3
- -0.29 - -0.2
- -0.19 - -0.1
- -0.09 - -0.01
- -0.009 - 0.01
- 0.011 - 0.1
- 0.11 - 0.2
- 0.21 - 0.3
- 0.31 - 1

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
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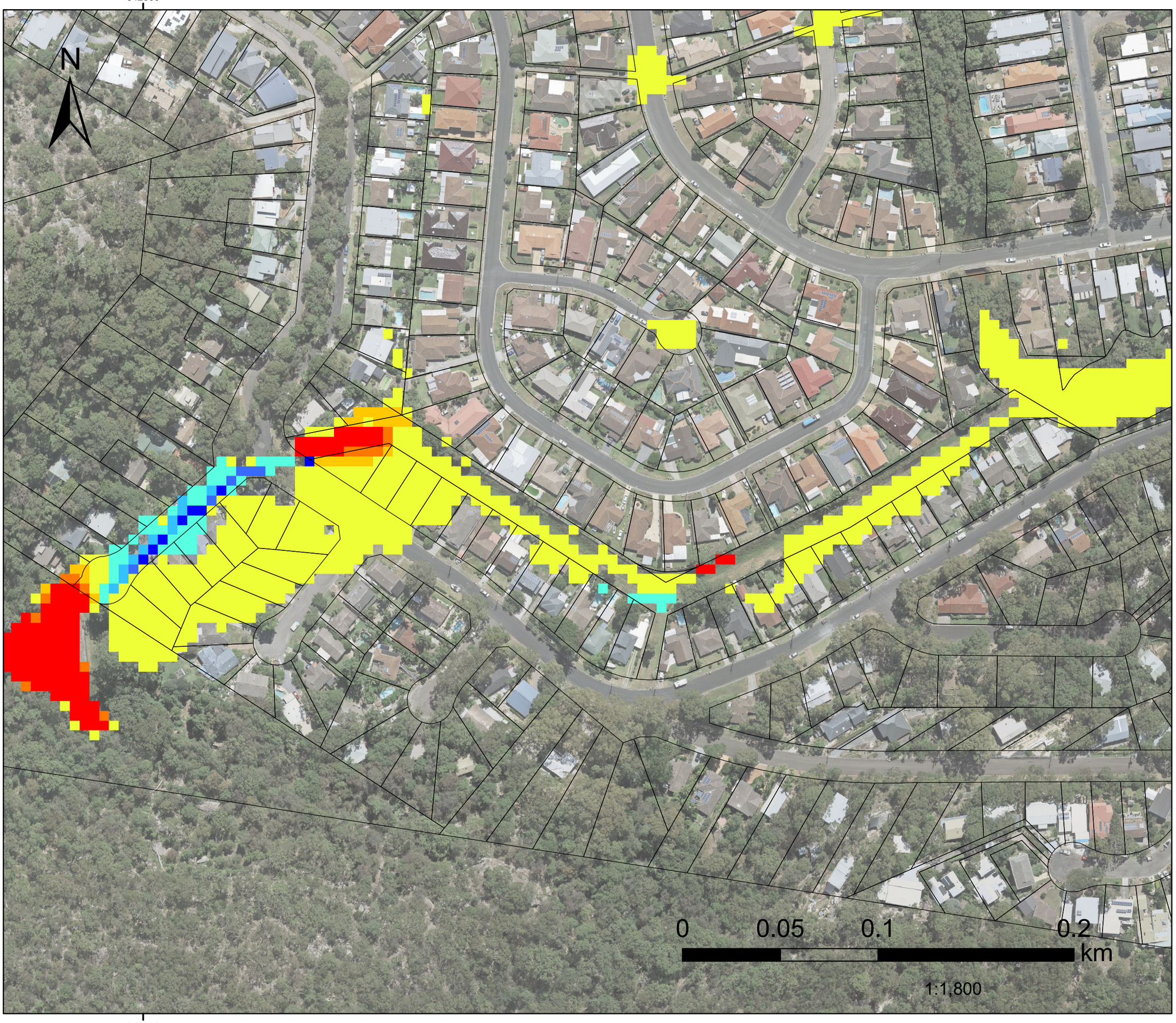
342000



342000

FIGURE L.161

1%AEP FM08

Palmtree Grove Detention Basin

Flood Level Difference

Flood Level Difference

(m)

- -0.31 - -0.3
- -0.29 - -0.2
- -0.19 - -0.1
- -0.09 - -0.01
- -0.009 - 0.01
- 0.011 - 0.1
- 0.11 - 0.2
- 0.21 - 0.3
- 0.31 - 1

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

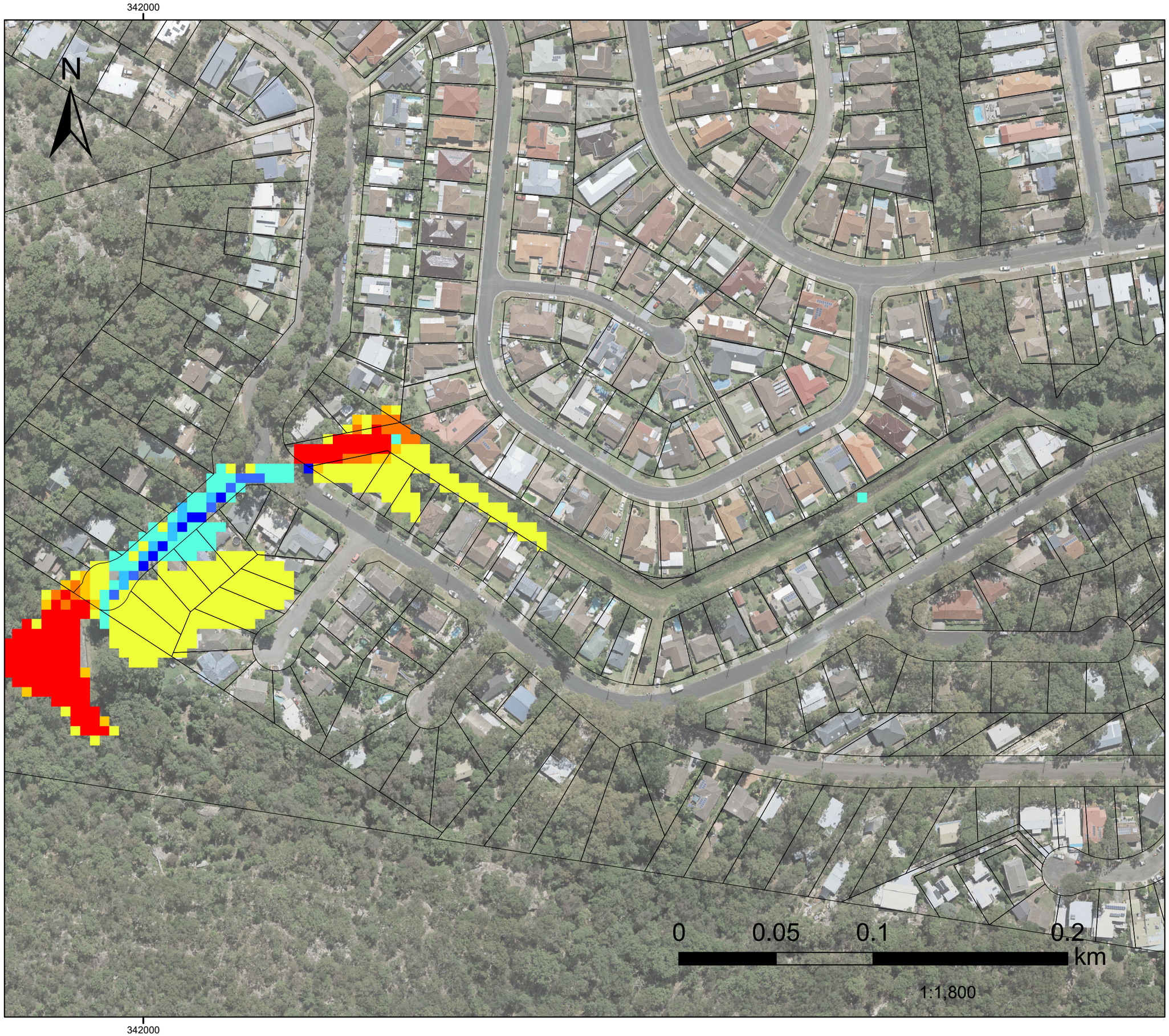


FIGURE L.162

10%AEP FM08

Palmtree Grove Detention Basin

Flood Level Difference

Flood Level Difference

(m)

- -0.31 - -0.3
- -0.29 - -0.2
- -0.19 - -0.1
- -0.09 - -0.01
- -0.009 - 0.01
- 0.011 - 0.1
- 0.11 - 0.2
- 0.21 - 0.3
- 0.31 - 1

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

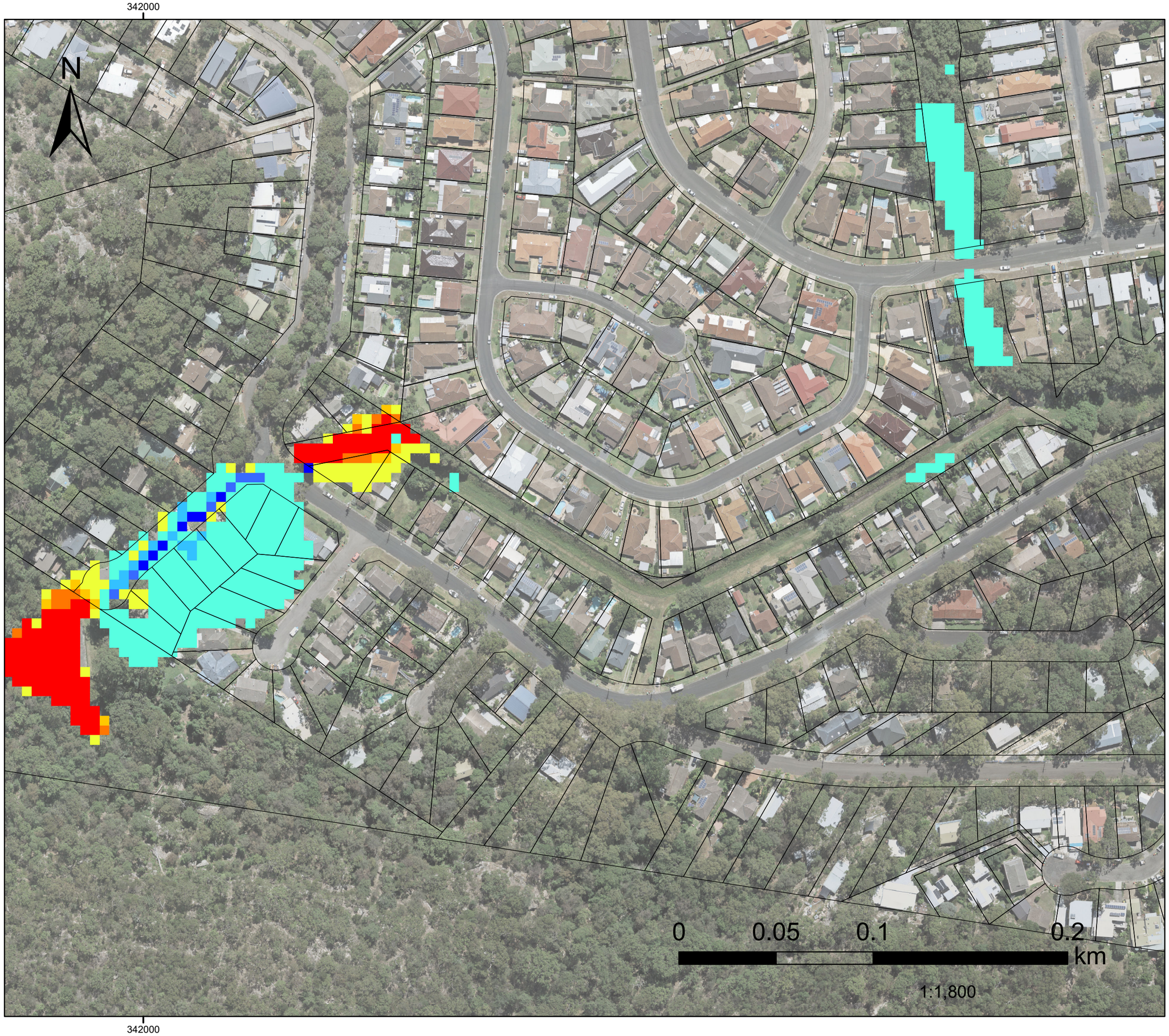


FIGURE L.163

20%AEP FM08

Palmtree Grove Detention Basin

Flood Level Difference

Flood Level Difference

(m)

- -0.31 - -0.3
- -0.29 - -0.2
- -0.19 - -0.1
- -0.09 - -0.01
- -0.009 - 0.01
- 0.011 - 0.1
- 0.11 - 0.2
- 0.21 - 0.3
- 0.31 - 1

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

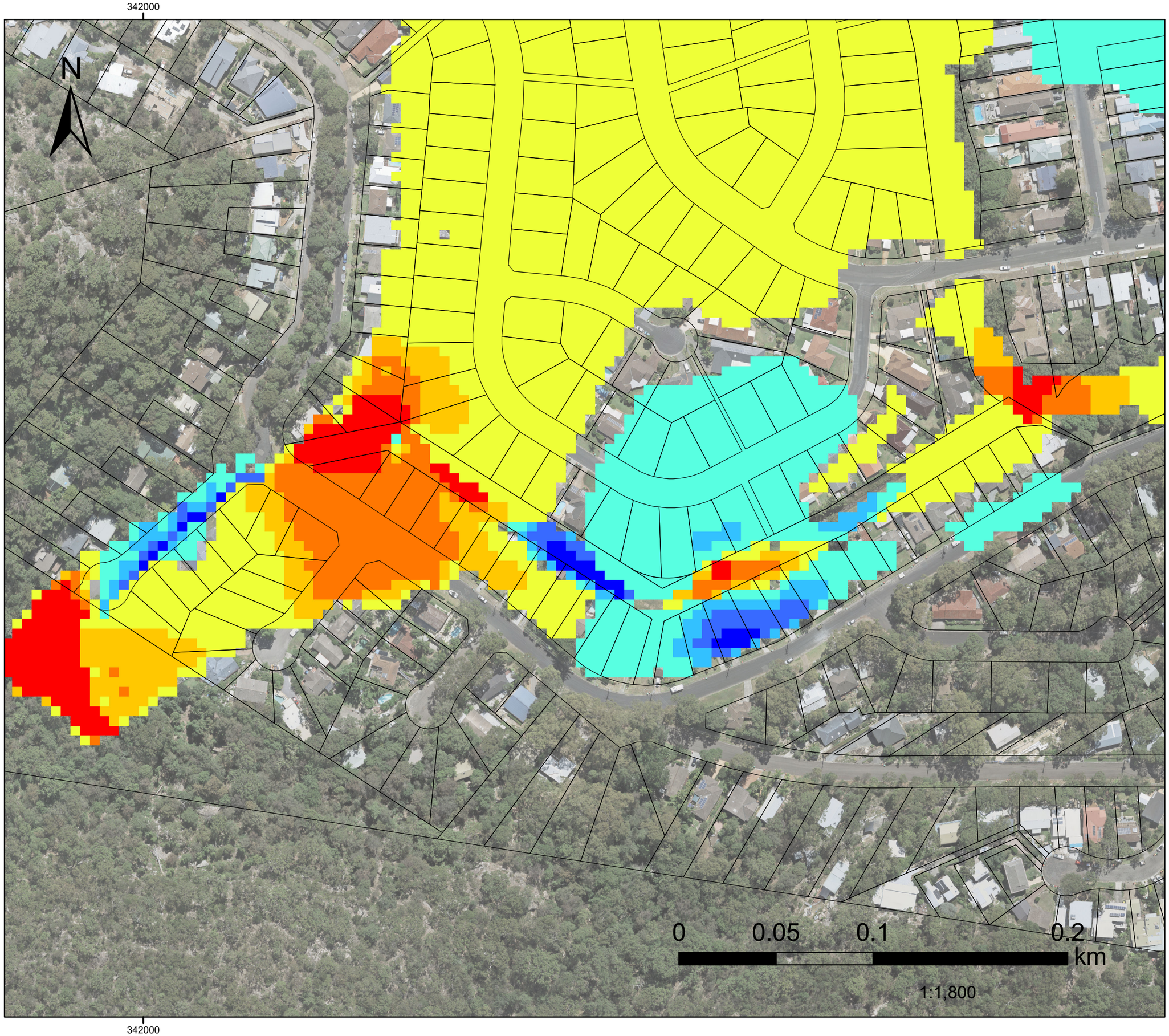


FIGURE L.164

PMF FM08

Palmtree Grove Detention Basin

Flood Level Difference

Flood Level Difference

(m)

- -0.31 - -0.3
- -0.29 - -0.2
- -0.19 - -0.1
- -0.09 - -0.01
- -0.009 - 0.01
- 0.011 - 0.1
- 0.11 - 0.2
- 0.21 - 0.3
- 0.31 - 1

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

DHI

Version	FINAL
Date	1 Aug 2021
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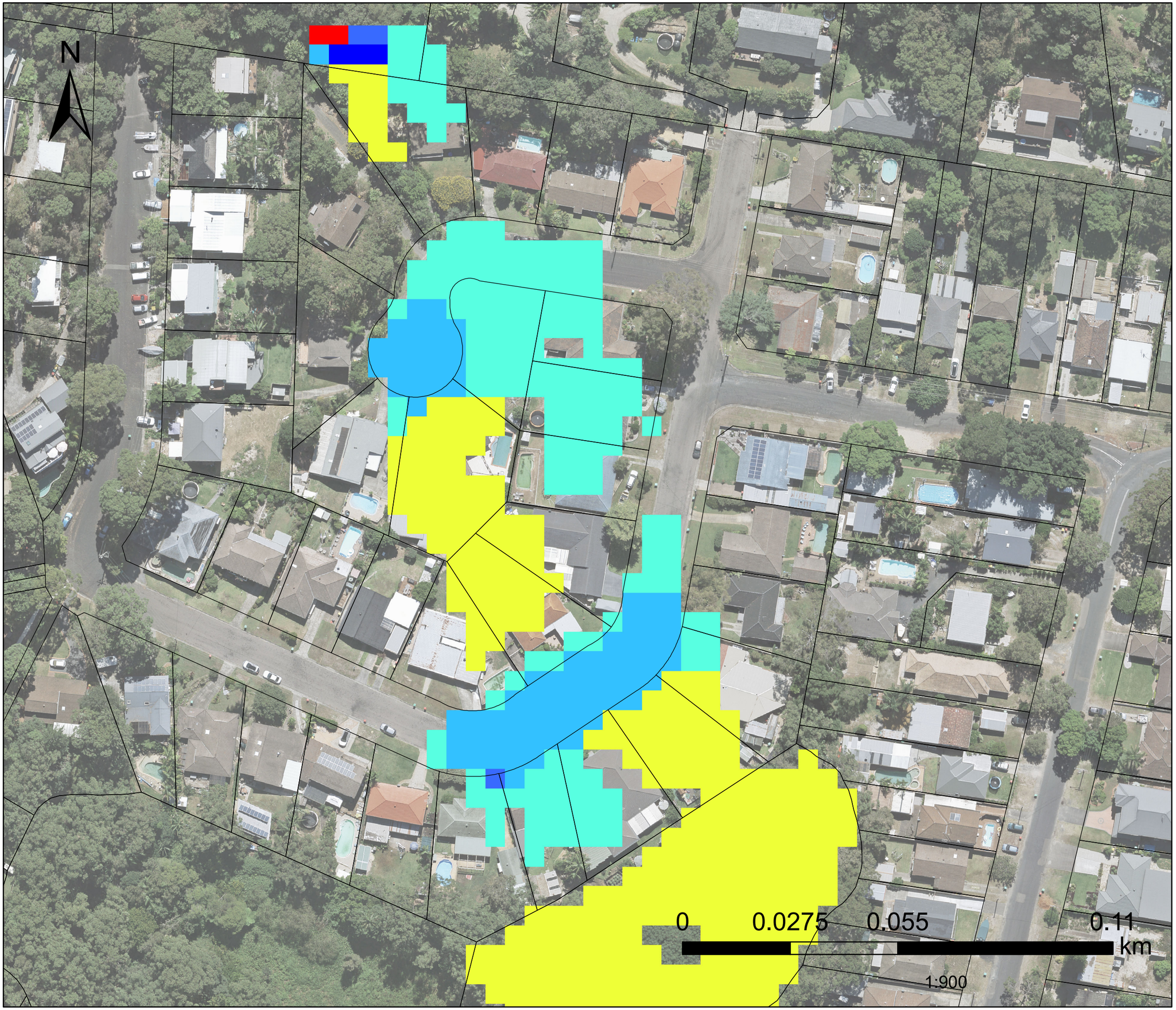

FIGURE L.165

1%AEP FM09

Wilks Av and McManus Cl

Flood Level Difference

Flood Level Difference

(m)

- -0.31 - -0.3
- -0.29 - -0.2
- -0.19 - -0.1
- -0.09 - -0.01
- -0.009 - 0.01
- 0.011 - 0.1
- 0.11 - 0.2
- 0.21 - 0.3
- 0.31 - 1

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

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Flood Risk Management Study

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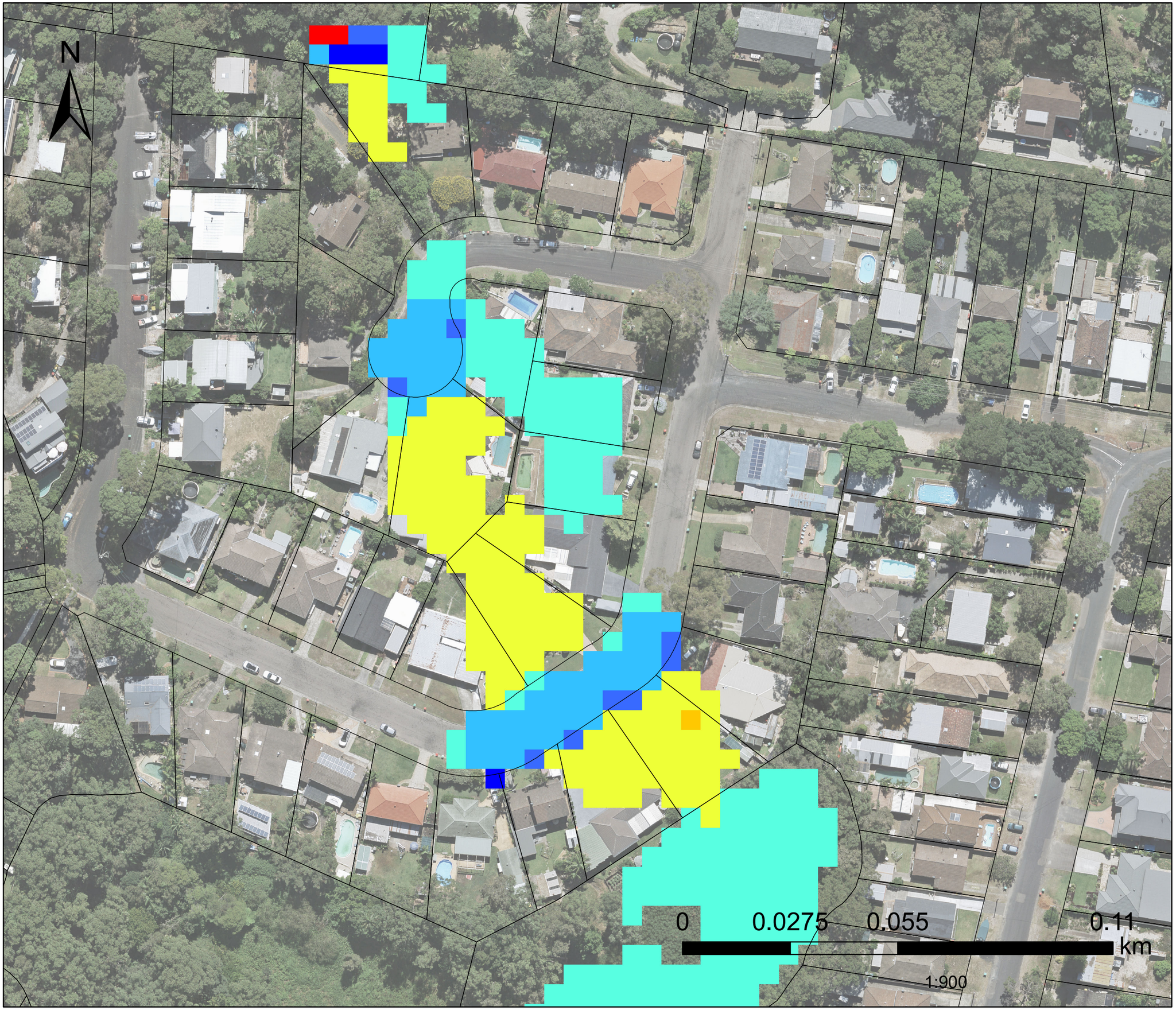

FIGURE L.166

20%AEP FM09

Wilks Av and McManus Cl

Flood Level Difference

Flood Level Difference

(m)

- -0.31 - -0.3
- -0.29 - -0.2
- -0.19 - -0.1
- -0.09 - -0.01
- -0.009 - 0.01
- 0.011 - 0.1
- 0.11 - 0.2
- 0.21 - 0.3
- 0.31 - 1

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

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Flood Risk Management Study

Version	FINAL
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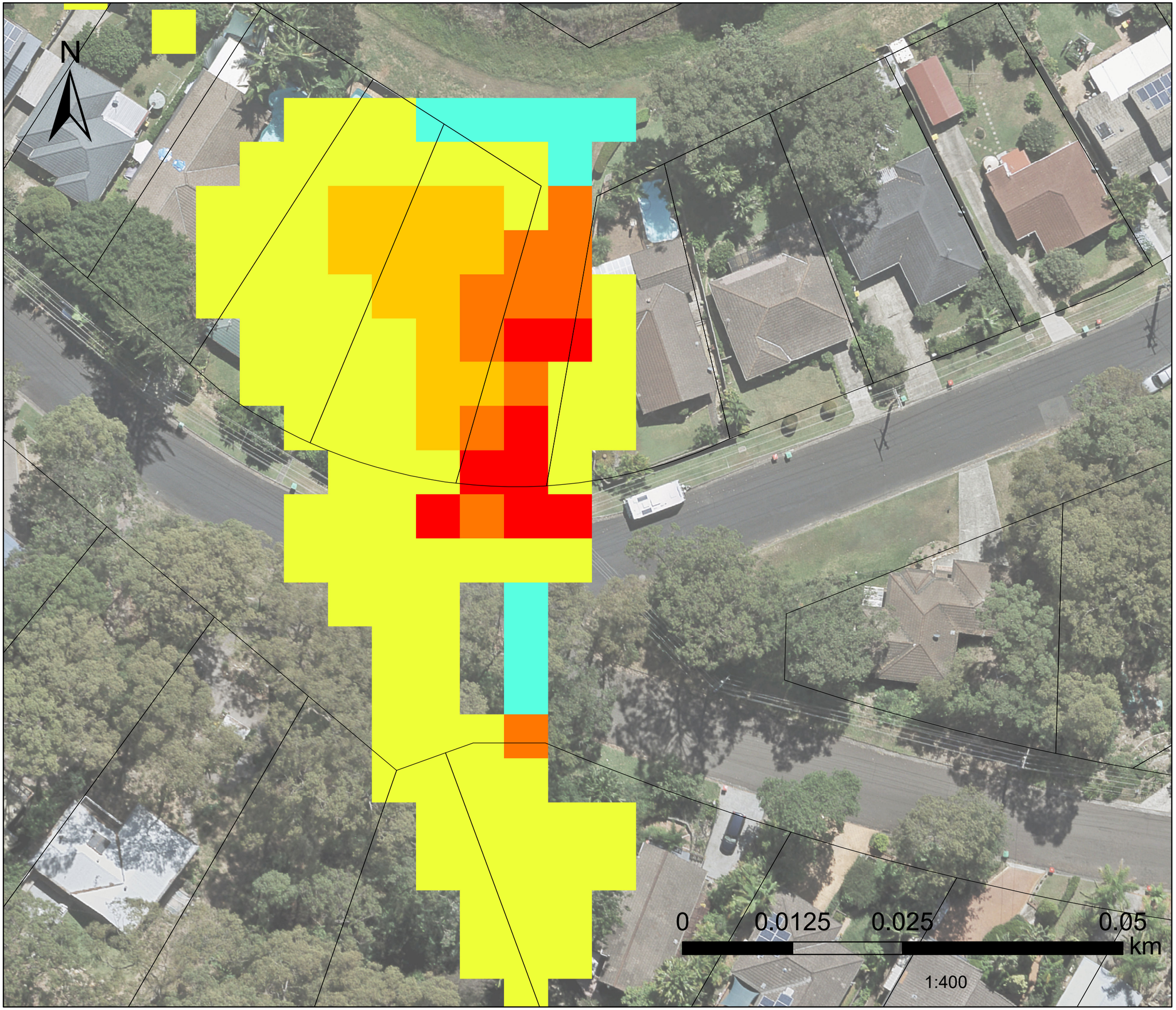

FIGURE L.167

1%AEP FM10

Neera Rd

Flood Level Difference

Flood Level Difference

(m)

- -0.31 - -0.3
- -0.29 - -0.2
- -0.19 - -0.1
- -0.09 - -0.01
- -0.009 - 0.01
- 0.011 - 0.1
- 0.11 - 0.2
- 0.21 - 0.3
- 0.31 - 1

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

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Flood Risk Management Study

Version	FINAL
Date	1 Aug 2021
Project No	43803055

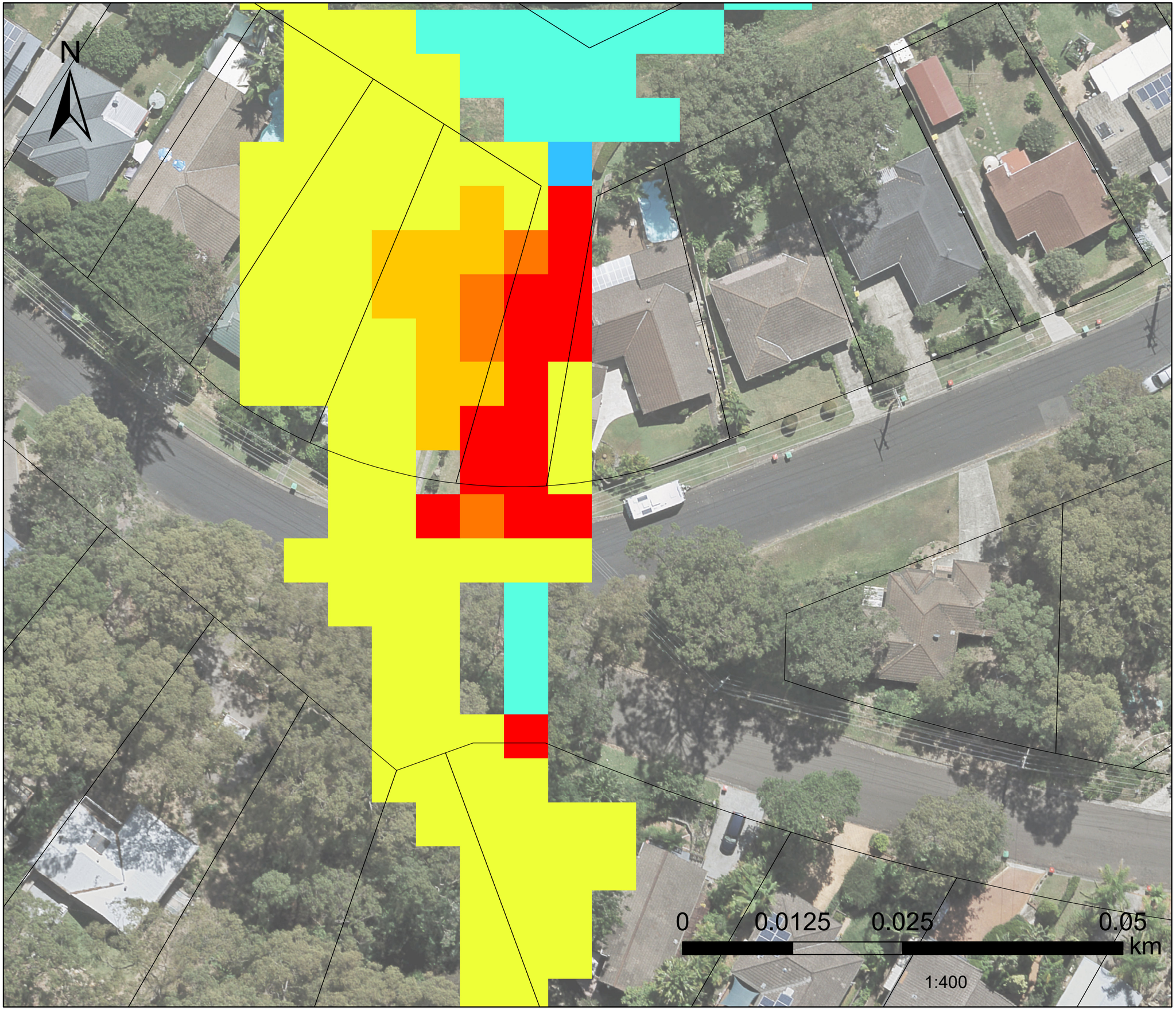

FIGURE L.168

10%AEP FM10

Neera Rd

Flood Level Difference

Flood Level Difference

(m)

- -0.31 - -0.3
- -0.29 - -0.2
- -0.19 - -0.1
- -0.09 - -0.01
- -0.009 - 0.01
- 0.011 - 0.1
- 0.11 - 0.2
- 0.21 - 0.3
- 0.31 - 1

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

Woy Woy
Flood Risk Management Study

Version	FINAL
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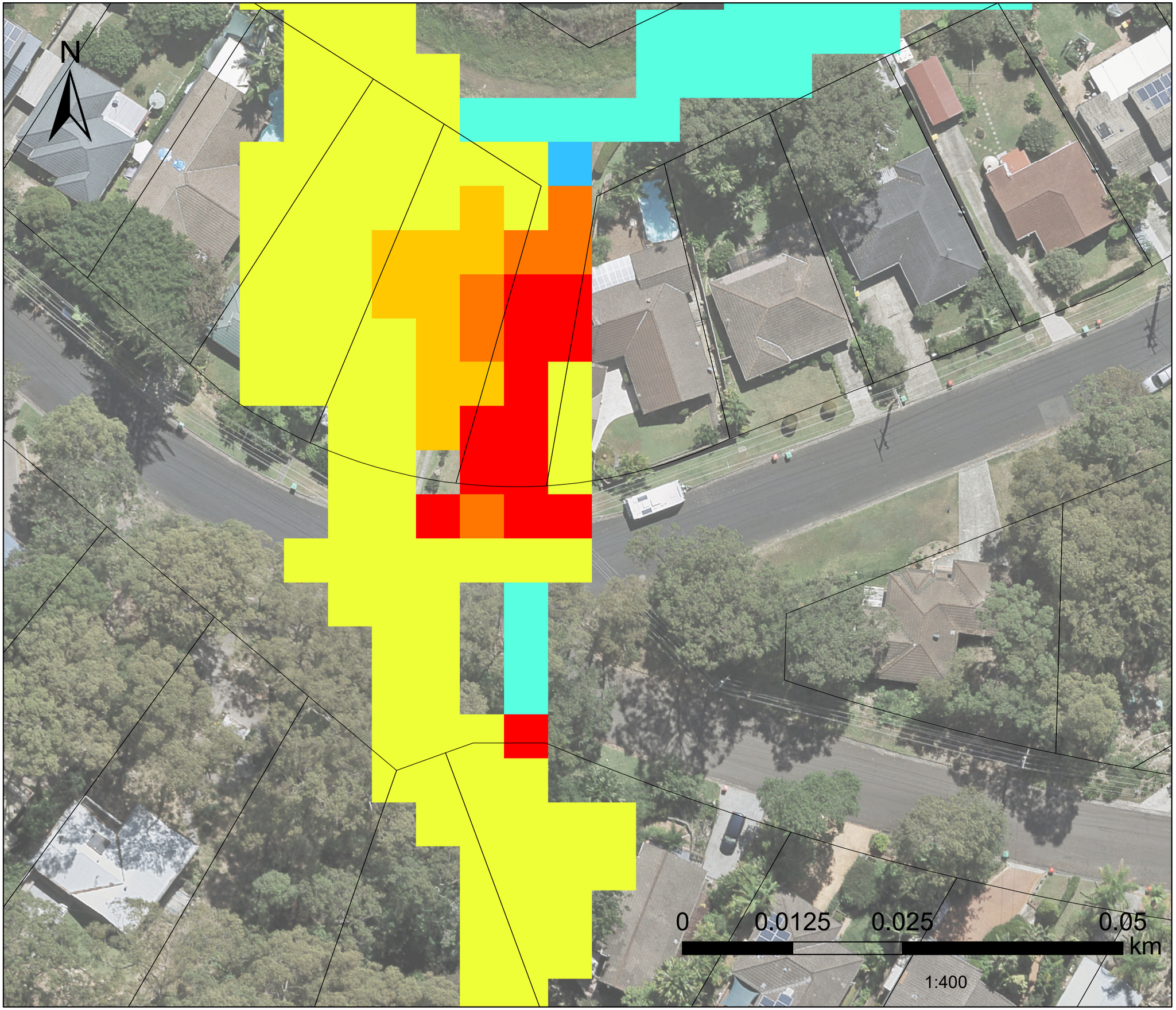

FIGURE L.169

20%AEP FM10

Neera Rd

Flood Level Difference

Flood Level Difference

(m)

- -0.31 - -0.3
- -0.29 - -0.2
- -0.19 - -0.1
- -0.09 - -0.01
- -0.009 - 0.01
- 0.011 - 0.1
- 0.11 - 0.2
- 0.21 - 0.3
- 0.31 - 1

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

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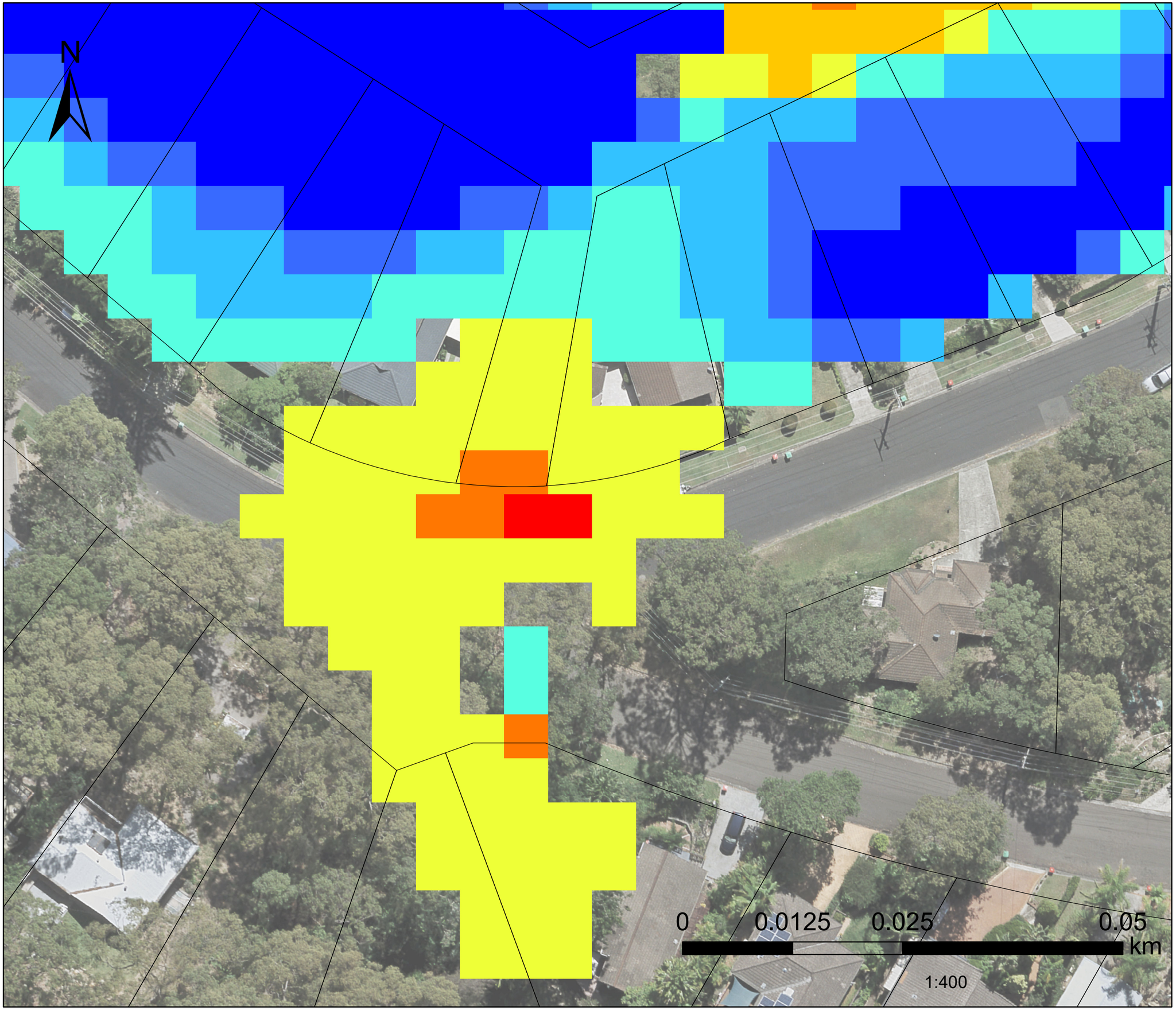

FIGURE L.170

PMF FM10

Neera Rd

Flood Level Difference

Flood Level Difference

(m)

- -0.31 - -0.3
- -0.29 - -0.2
- -0.19 - -0.1
- -0.09 - -0.01
- -0.009 - 0.01
- 0.011 - 0.1
- 0.11 - 0.2
- 0.21 - 0.3
- 0.31 - 1

Datum Projection: GDA 1994 MGA Zone 56
Vertical Datum: Australian Height Datum
Grid: Map Grid of Australia

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Flood Risk Management Study

Version	FINAL
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Project No	43803055