

AUGUST 13, 2025
EXTRAORDINARY MEETING OF THE COUNCIL MEETING
TO BE HELD
WEDNESDAY, AUGUST 13, 2025

SUPPLEMENTARY AGENDA

JAY NANKIVELL
GENERAL MANAGER

MAYORAL MINUTES

1. BROKEN HILL CITY COUNCIL REPORT NO. 148/25 - DATED AUGUST 13, 2025 - ADDITIONAL MAPS - DRAFT BROKEN HILL FLOOD STUDY REPORT AND FLOOD MAPPING FOR PUBLIC EXHIBITION (D25/36891)
..... 3

EXTRAORDINARY MEETING OF THE COUNCIL

August 13, 2025

ITEM 1

BROKEN HILL CITY COUNCIL REPORT NO. 148/25

SUBJECT: ADDITIONAL MAPS - DRAFT BROKEN HILL FLOOD STUDY
REPORT AND FLOOD MAPPING FOR PUBLIC EXHIBITION
D25/36891

Recommendation

1. That Broken Hill City Council Report No. 148/25 dated August 13, 2025, be received.
2. That this report and the attached Broken Hill Flood Study Volume 2 Mapping (draft) be considered in conjunction with Report No. 146/25 dated 8 August 2025 – Draft Broken Hill Flood Study Report and Flood Mapping for Public Exhibition.

Report:

As previously advised to Councillors, additional mapping was not available at the time of publishing the Business Paper for the Extraordinary Council Meeting to be held 13 August 2025 and would be provided to Councillors prior to the meeting.

Please see attached Torrent Consulting's Broken Hill Flood Study Volume 2 Mapping (draft).

It is suggested that this report is considered in conjunction with Report No. 146/25 dated 8 August 2025 – Draft Broken Hill Flood Study Report and Flood Mapping for Public Exhibition.

Attachments

1. [↓](#) Broken Hill Flood Study Volume 2 Mapping draft

CODIE HOWARD
DIRECTOR INFRASTRUCTURE AND ENVIRONMENT

JAY NANKIVELL
GENERAL MANAGER



Broken Hill Flood Study Volume 2: Mapping (Draft)

M.T2422.001.01



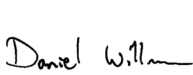
August 2025

Torrent Consulting Pty Ltd
PO Box 57
Wallsend NSW 2287

ABN 11 636 418 089

www.torrentconsulting.com.au

Document: M.T2422.001.01
Title: Broken Hill Flood Study – Volume 2 Mapping (Draft)
Project Manager: Darren Lyons
Author: Dan Suvaal / Darren Lyons
Client: Broken Hill City Council
Client Contact: Faisal Salah
Prepared: Verified:



Synopsis

This document forms Volume 2 of the 'Broken Hill Flood Study' and contains the design flood mapping. The maps should be considered in conjunction with the accompanying Volume 1 of the Broken Hill Flood Study.

Revision History

Revision	Description	Date
01	Draft for Public Exhibition	13/08/2025

Cover photo: "A flood at Broken Hill, New South Wales" (circa 1915), State Library South Australia.

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Broken Hill City Council
240 Blende Street
Broken Hill NSW 2880
council@brokenhill.nsw.gov.au
(08) 8080 3300

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Overview

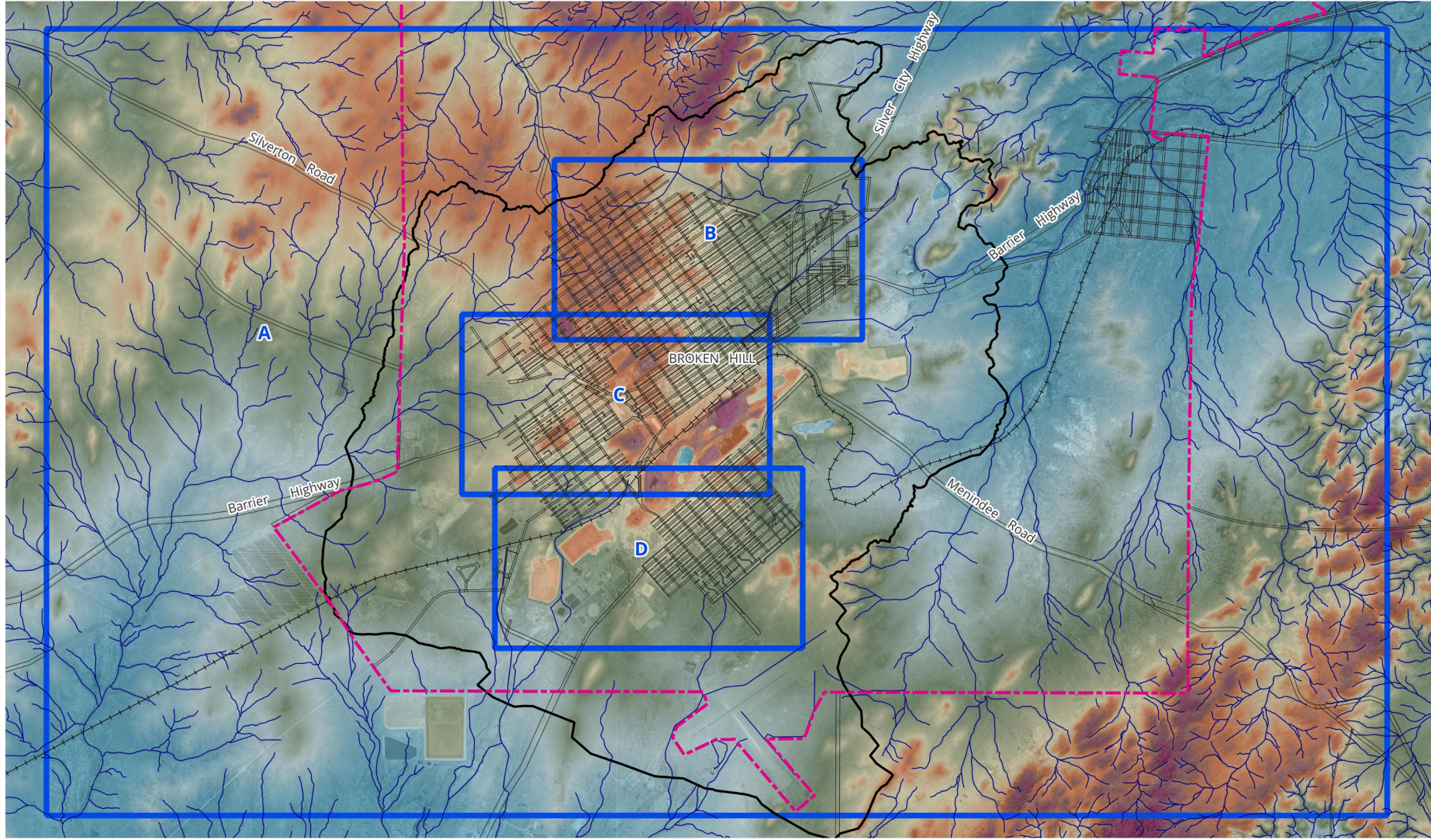
This document forms Volume 2 of the 'Broken Hill Flood Study' and contains the design flood mapping. The maps should be considered in conjunction with the accompanying Volume 1 of the Broken Hill Flood Study.

The maps contain the following model outputs:

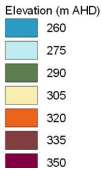
- MAP SERIES A - Historical Event Peak Flood Depth
- MAP SERIES B – Design Event Peak Flood Depth
- MAP SERIES C - Design Event Peak Flood Velocity
- MAP SERIES D – Design Event Peak Flood Hazard
- MAP SERIES E – Flood Function
- MAP SERIES F – Sensitivity Test Mapping
- MAP SERIES G – Flood Planning Area
- MAP SERIES H – Flood Emergency Response Classifications

The spatial coverage of the mapping series is shown in the Mapping Index hereunder.

NOTE A REDACTED MAPPING SERIES COMPRISING RELEVANT 1% AEP DESIGN FLOOD EVENT MAPPING IS PROVIDED FOR PUBLIC EXHIBITION. ADDITIONAL MAPPING IS AVAILABLE FROM COUNCIL.



Legend



- Model Extent
- Broken Hill Local Government Area
- Mapped Watercourse
- Map View



Title:

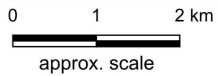
Broken Hill Flood Study - Mapping Index

Figure: **0-0**

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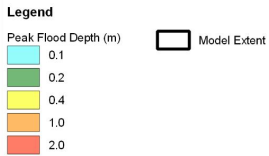
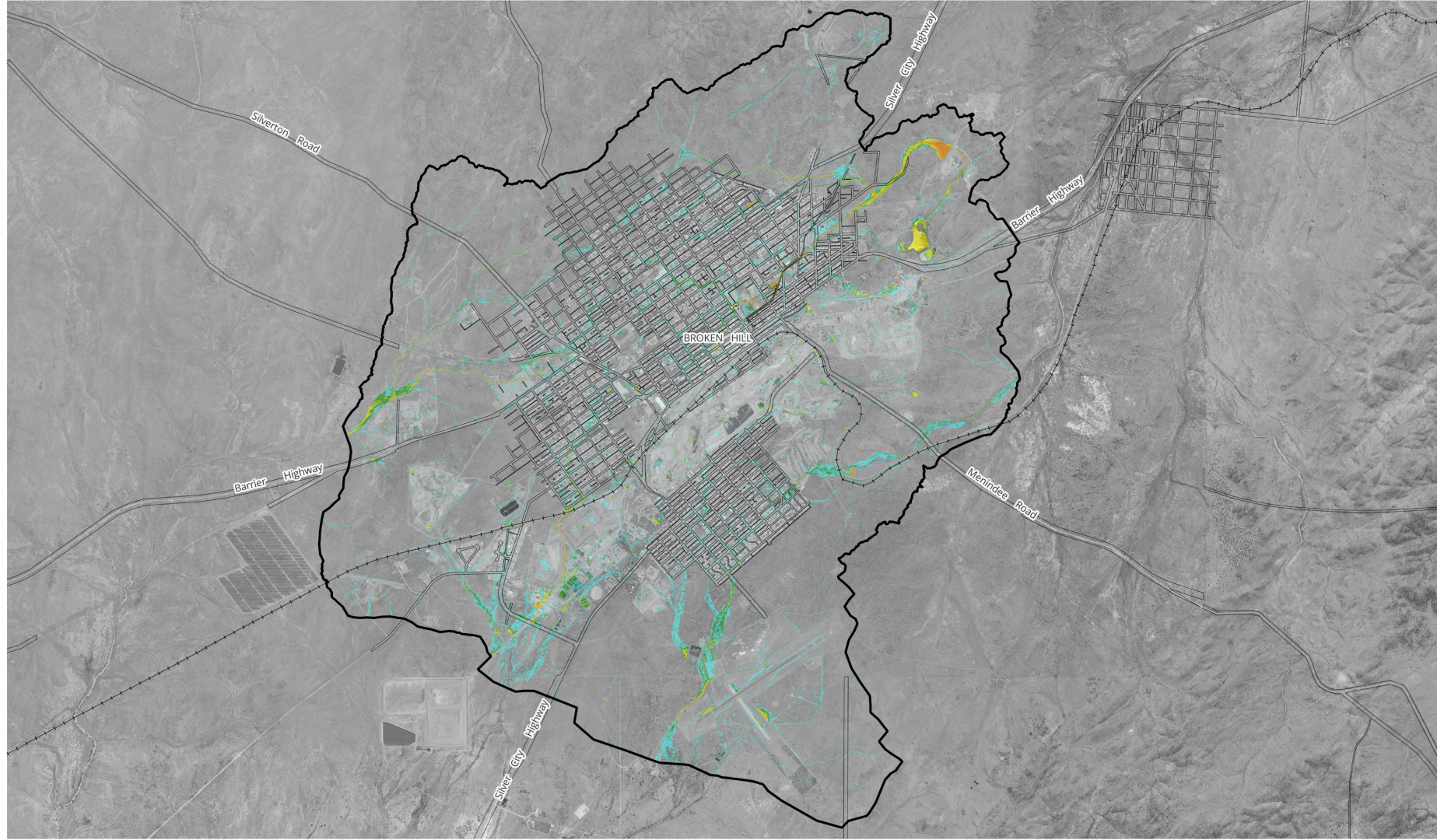
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Map Series A - Historical Event Peak Flood Depth

Figure No.	Map Series A - Historical Event Peak Flood Depth
A-01.A	Peak Flood Depth - September 2020 Event - View A
A-01.B	Peak Flood Depth - September 2020 Event - View B
A-01.C	Peak Flood Depth - September 2020 Event - View C
A-01.D	Peak Flood Depth – September 2020 Event - View D
A-02.A	Peak Flood Depth - March 2022 Event - View A
A-02.B	Peak Flood Depth - March 2022 Event - View B
A-02.C	Peak Flood Depth - March 2022 Event - View C
A-02.D	Peak Flood Depth - March 2022 Event - View D
A-03.A	Peak Flood Depth – January 2024 Event - View A
A-03.B	Peak Flood Depth – January 2024 Event - View B
A-03.C	Peak Flood Depth - – January 2024 Event - View C
A-03.D	Peak Flood Depth - – January 2024 Event - View D



Title:
**Peak Flood Depth - September 2020 Event
Map A**

Figure:
A-01.A

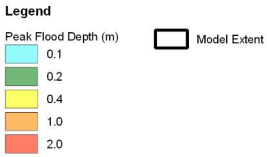
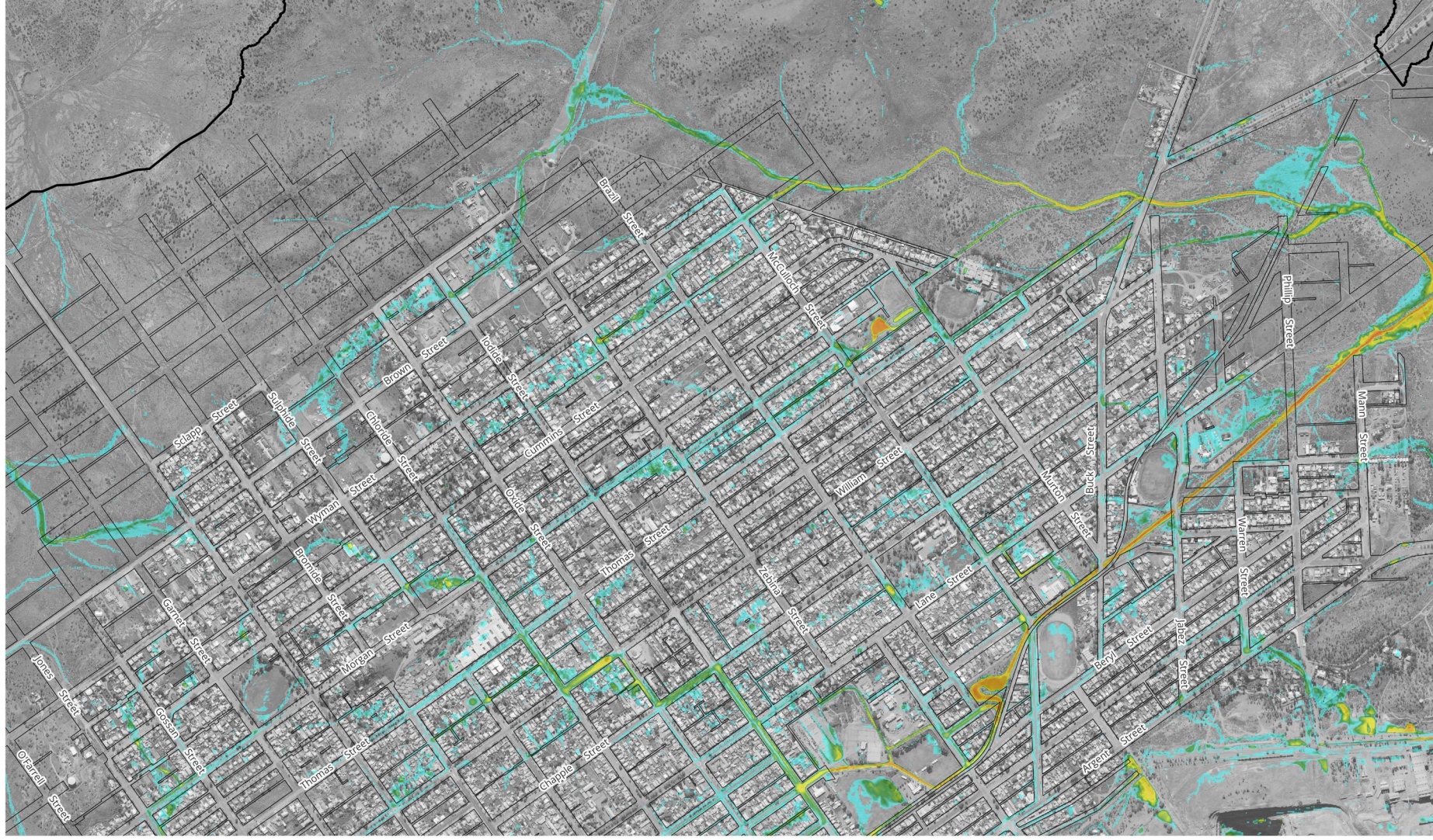
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0 1 2 km
approx. scale





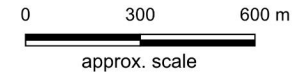
Title:
**Peak Flood Depth - September 2020 Event
Map B**

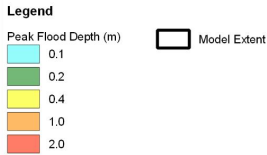
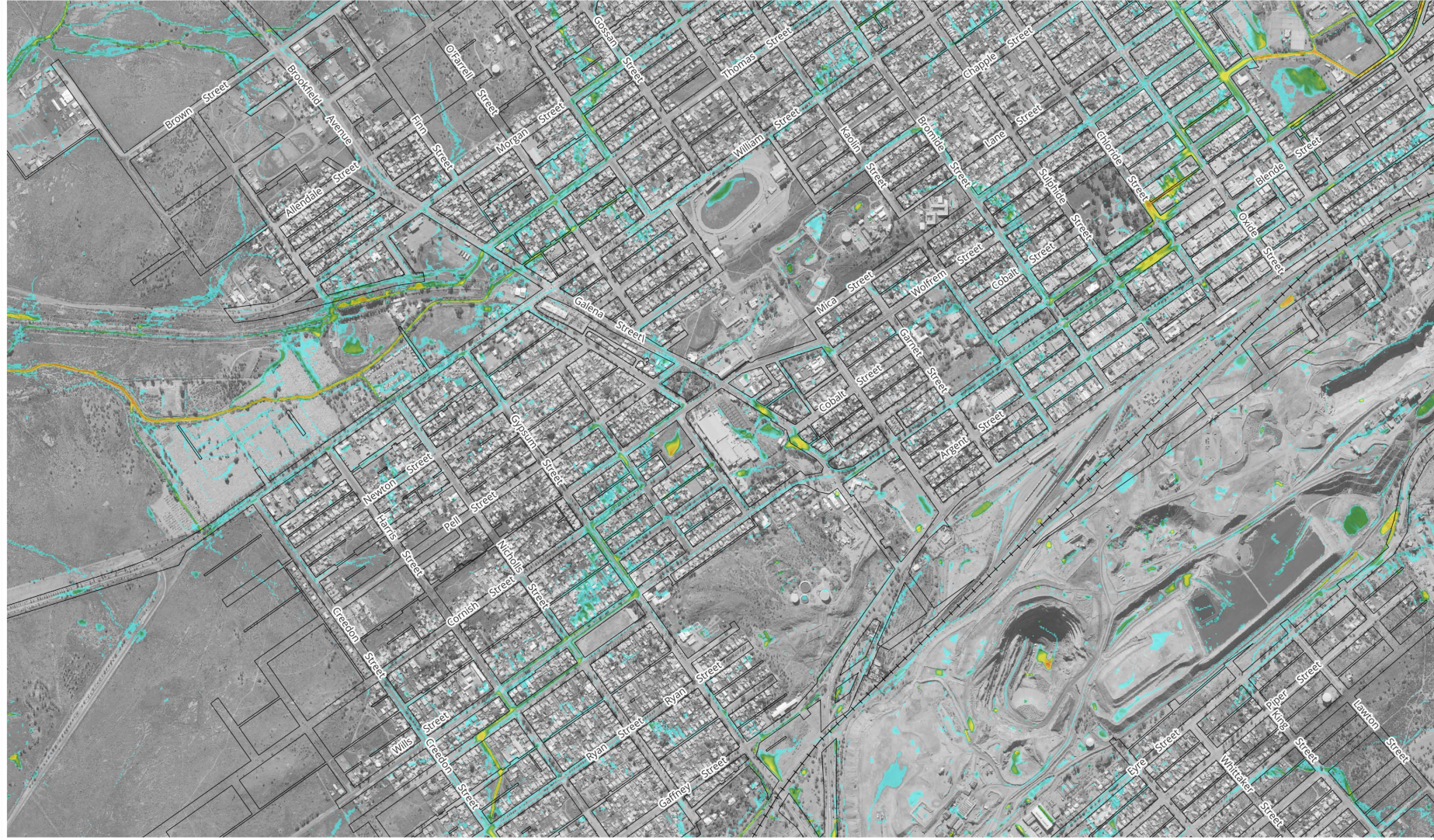
Figure:
A-01.B

Revision:
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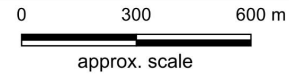
Title:
**Peak Flood Depth - September 2020 Event
Map C**

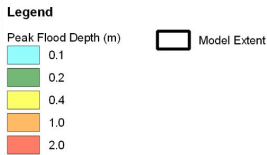
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Revision:
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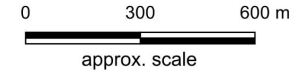
Title:
**Peak Flood Depth - September 2020 Event
Map D**

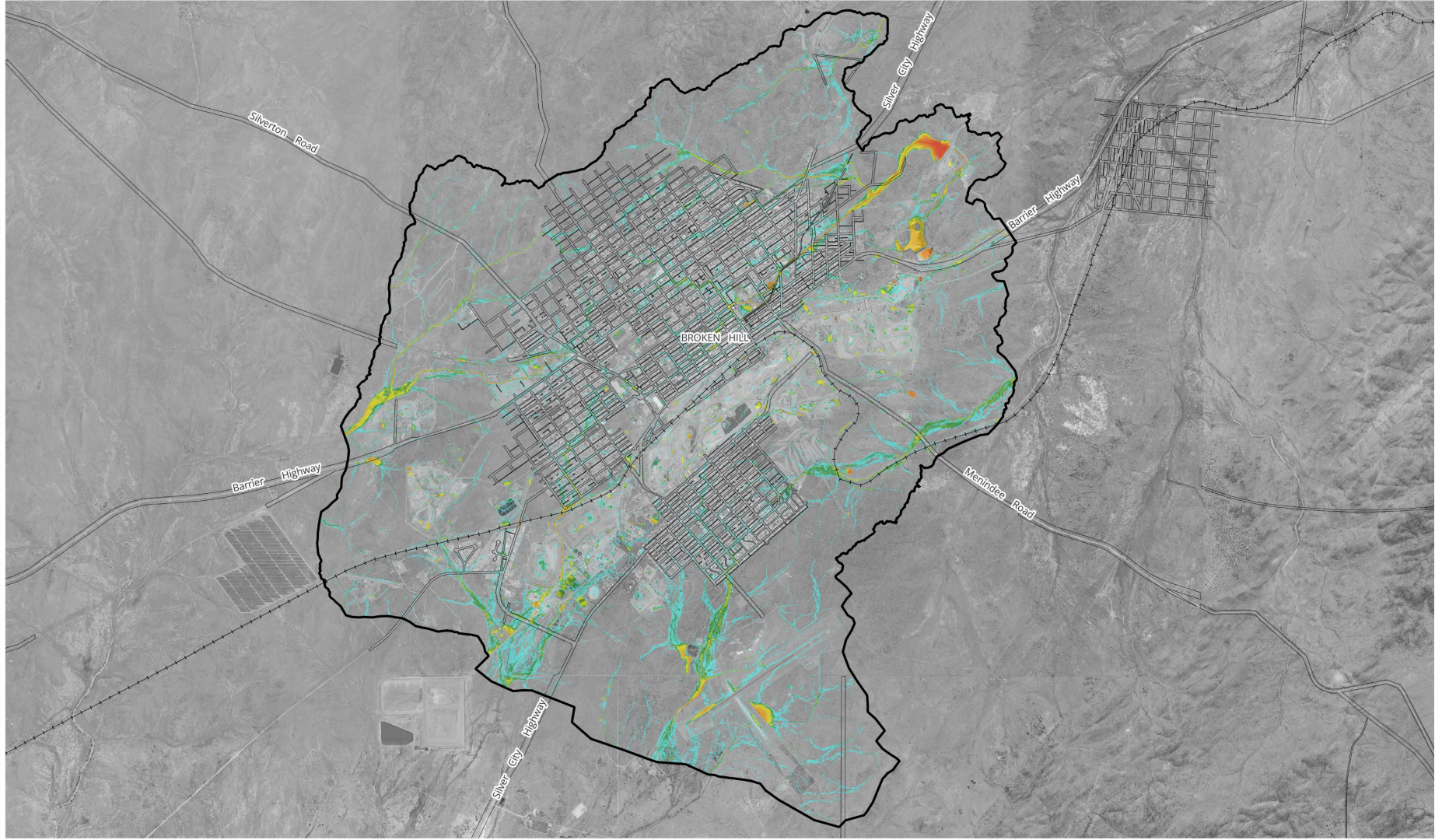
Figure:
A-01.D

Revision:
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Filepath: Z:\Projects\T2422_Broken_Hill\GIS\T2422_A-01_D_Sep2020_depth.gqz





Legend

Peak Flood Depth (m)

- 0.1
- 0.2
- 0.4
- 1.0
- 2.0

Model Extent



Title: Peak Flood Depth - March 2022 Event Map A	
Figure: A-02.A	Information shown on this figure is compiled from numerous sources and may not be complete or accurate. Torrent Consulting cannot be held responsible for the misuse or misinterpretation of any information and offers no warranty guarantees or representations of any kind in connection to its accuracy or completeness. Torrent Consulting accepts no liability for any loss, damage or inconvenience caused as a result of reliance on the information.
Revision: A	
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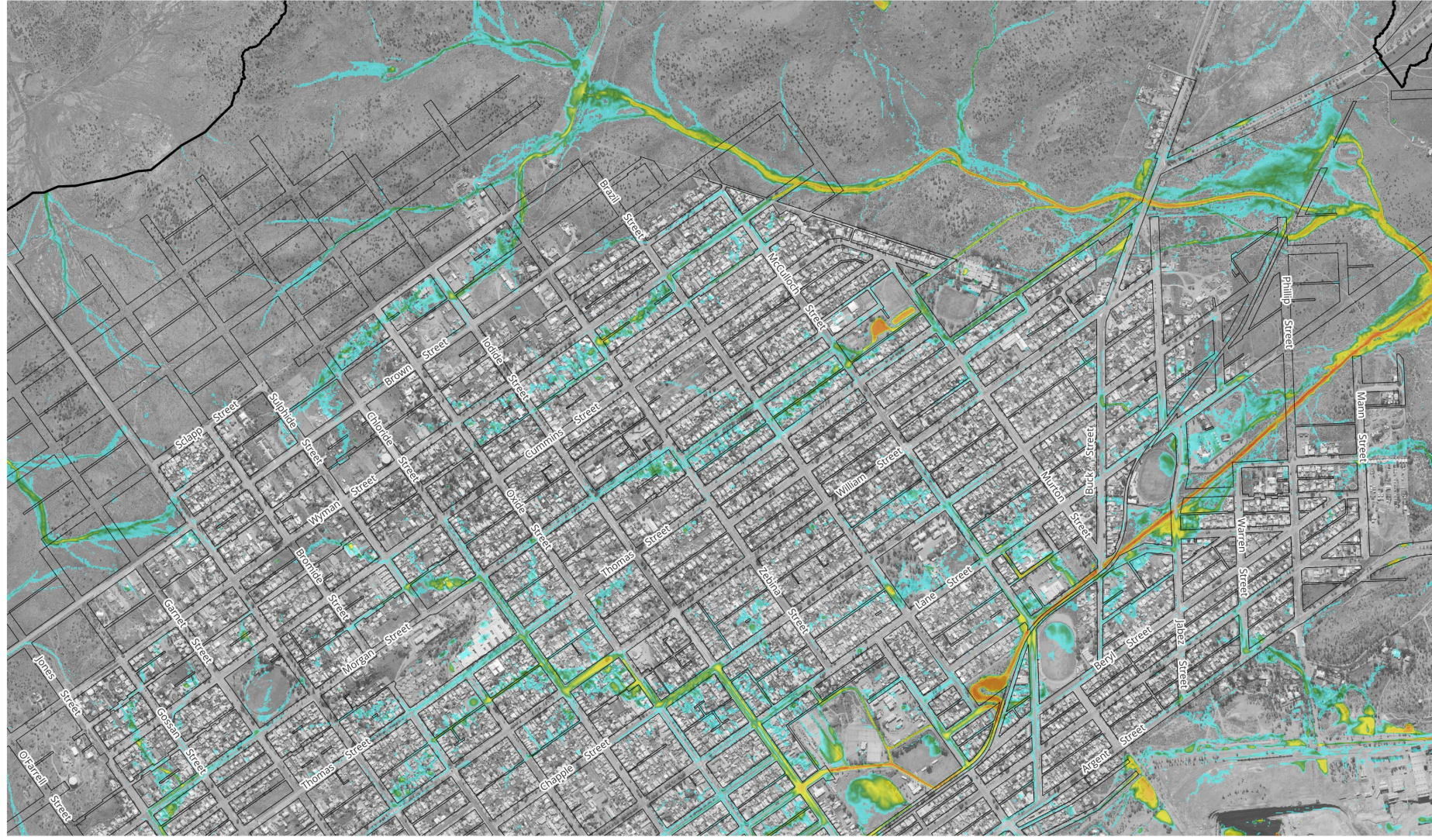
0 1 2 km

approx. scale

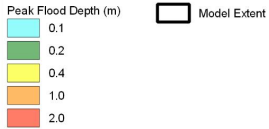
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Legend



Title:

Peak Flood Depth - March 2022 Event
Map B

Figure:

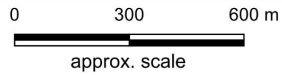
A-02.B

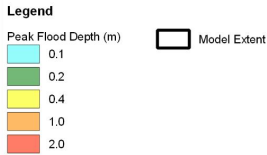
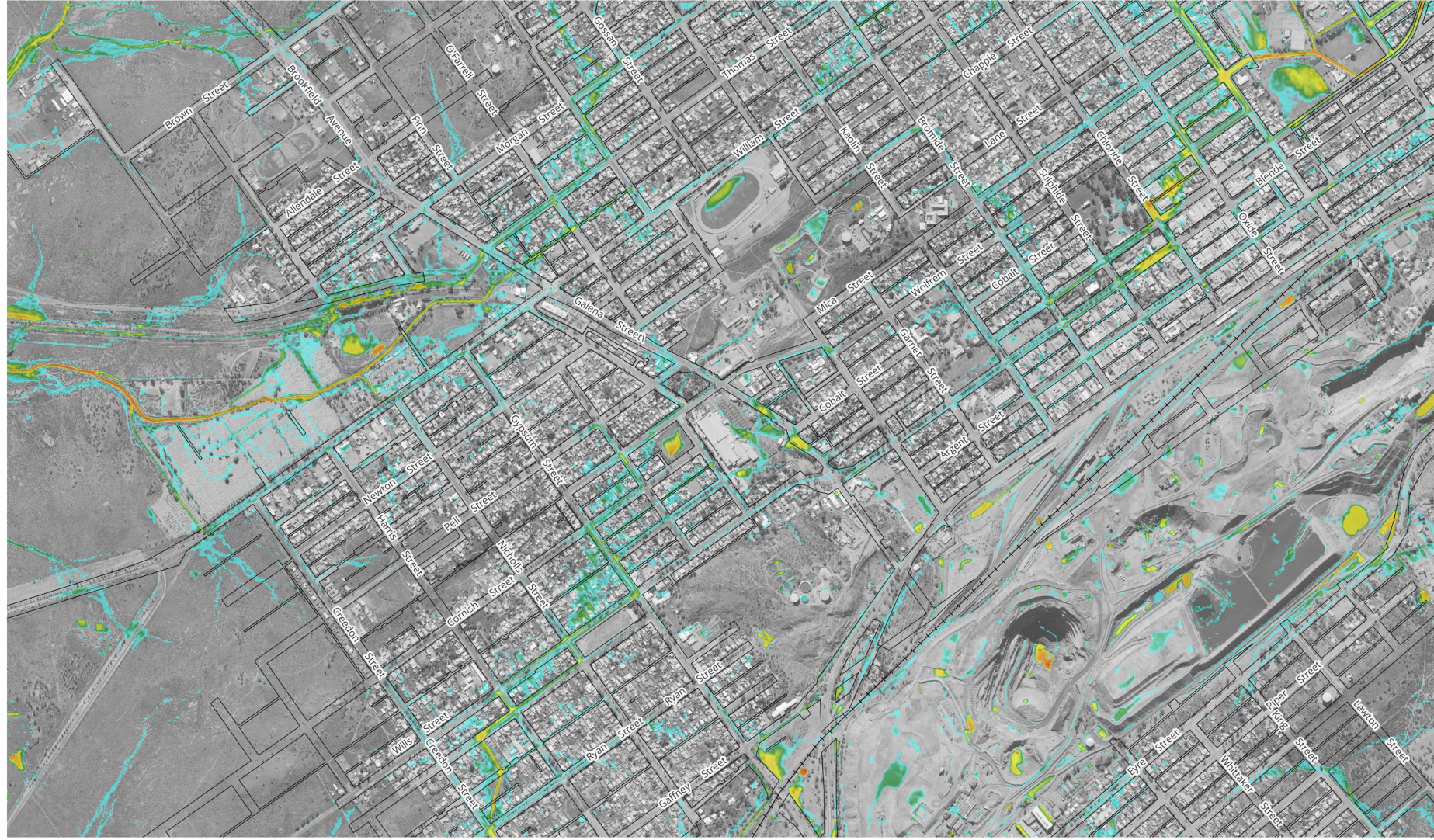
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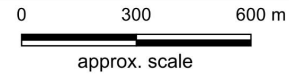
Title:
**Peak Flood Depth - March 2022 Event
Map C**

Figure:
A-02.C

Revision:
A

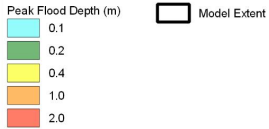
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Legend



Title:

Peak Flood Depth - March 2022 Event
Map D

Figure:

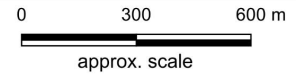
A-02.D

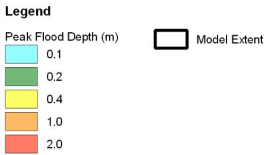
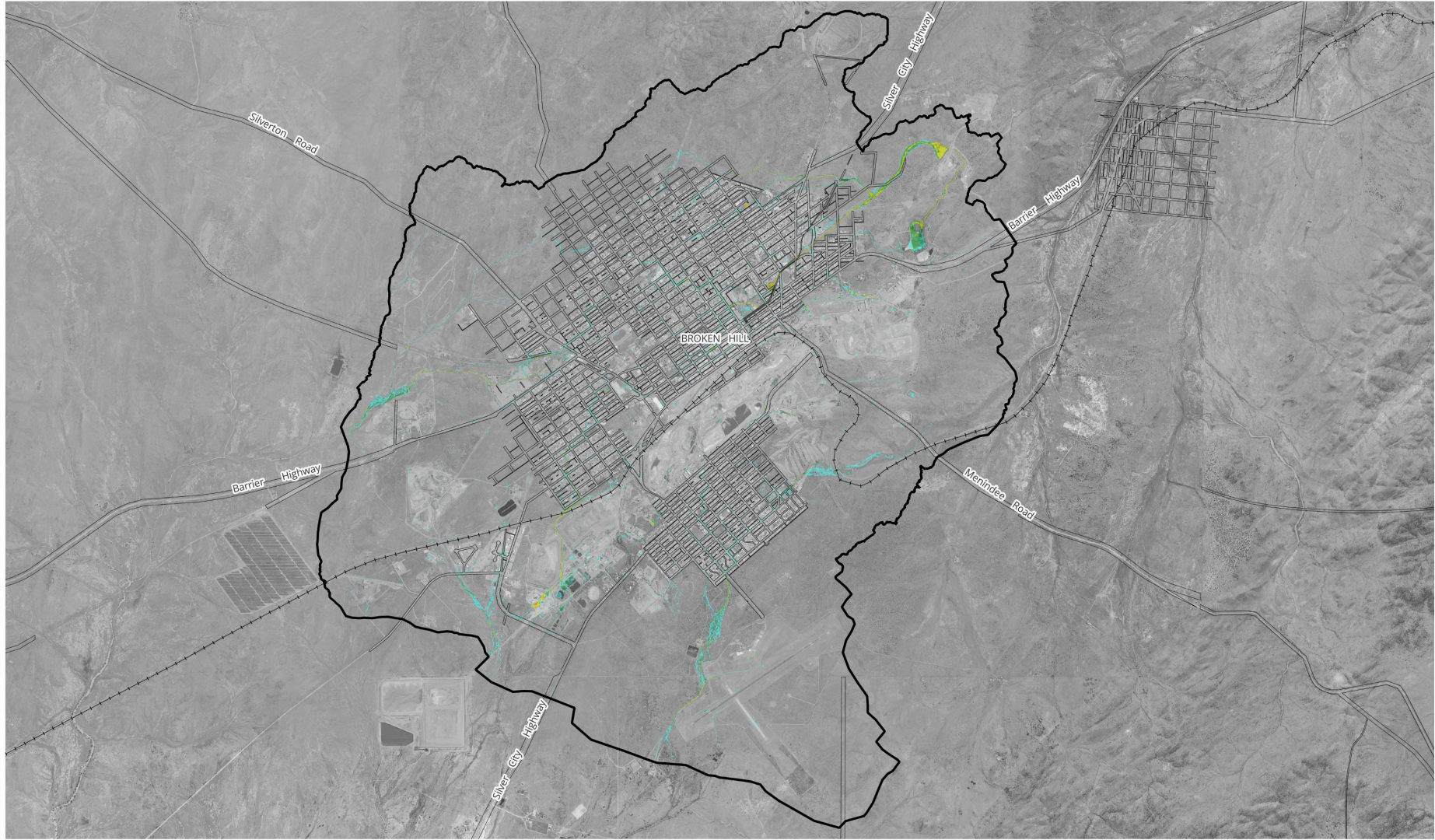
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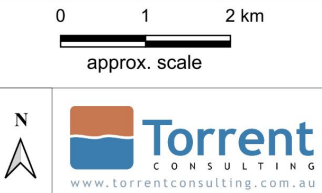
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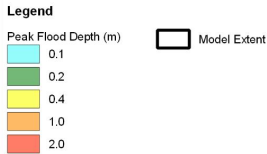
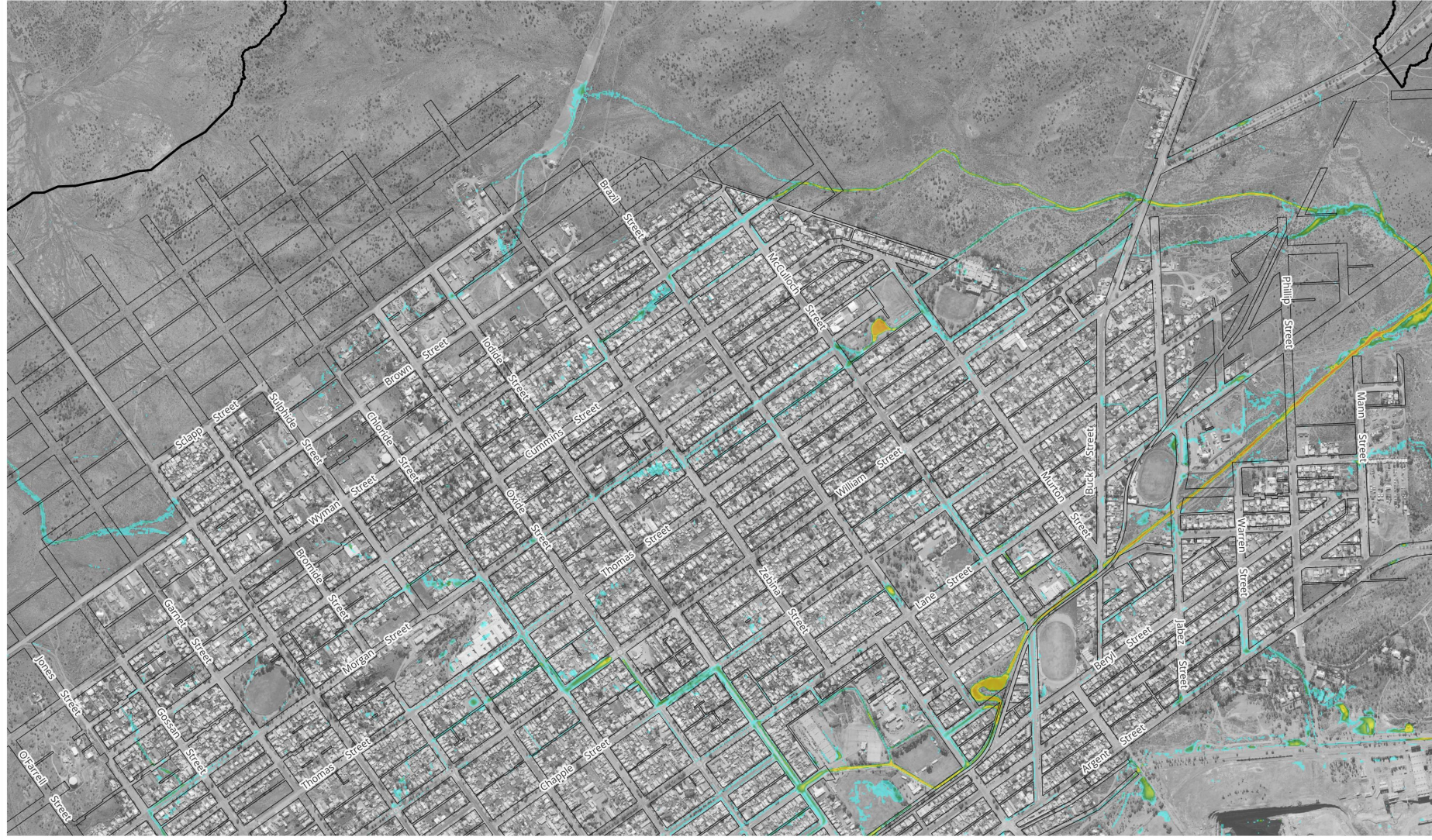
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Title: Peak Flood Depth - January 2024 Event Map A	
Figure: A-03.A	Information shown on this figure is compiled from numerous sources and may not be complete or accurate. Torrent Consulting cannot be held responsible for the misuse or misinterpretation of any information and offers no warranty guarantees or representations of any kind in connection to its accuracy or completeness. Torrent Consulting accepts no liability for any loss, damage or inconvenience caused as a result of reliance on the information.
Revision: A	
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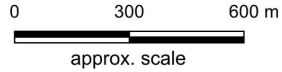
Title:
**Peak Flood Depth - January 2024 Event
Map B**

Figure:
A-03.B

Revision:
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Legend

Peak Flood Depth (m)

0.1
0.2
0.4
1.0
2.0

Model Extent



Title:

Peak Flood Depth - January 2024 Event
Map C

Figure:

A-03.C

Revision:

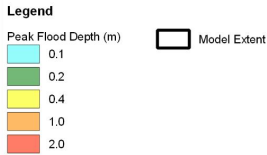
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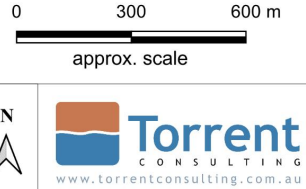
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0 300 600 m
approx. scale





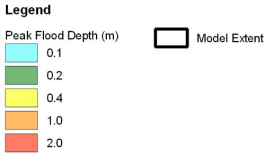
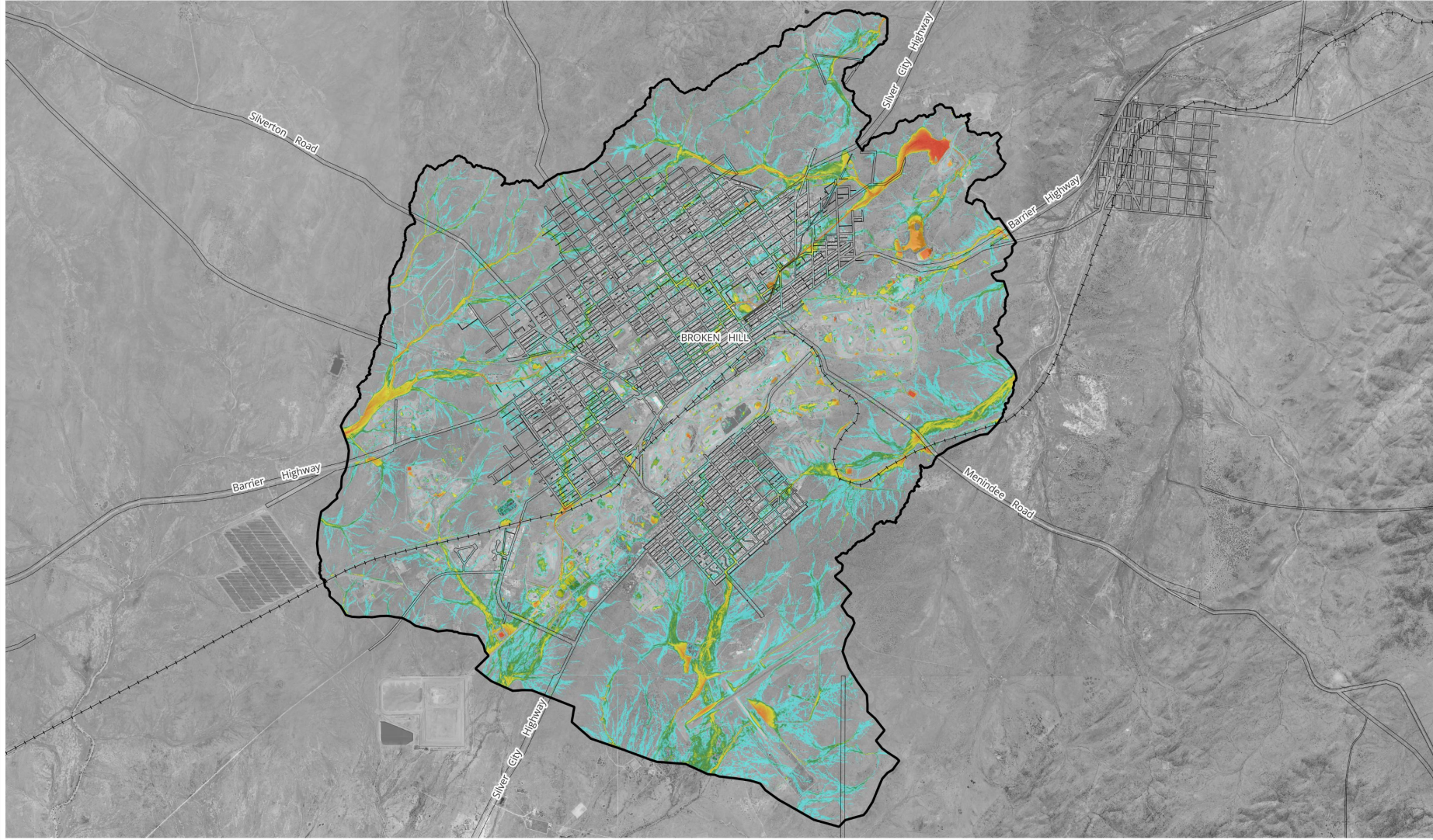
Title: Peak Flood Depth - January 2024 Event Map D	
Figure: A-03.D	Information shown on this figure is compiled from numerous sources and may not be complete or accurate. Torrent Consulting cannot be held responsible for the misuse or misinterpretation of any information and offers no warranty guarantees or representations of any kind in connection to its accuracy or completeness. Torrent Consulting accepts no liability for any loss, damage or inconvenience caused as a result of reliance on the information.
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Map Series B - Design Event Peak Flood Depth

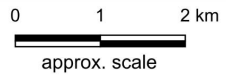
Figure No.	Map Series A - Design Event Peak Flood Depth
B-01.A	Peak Flood Depth - 20% AEP Design Event - View A
B-01.B	Peak Flood Depth - 20% AEP Design Event - View B
B-01.C	Peak Flood Depth - 20% AEP Design Event - View C
B-01.D	Peak Flood Depth - 20% AEP Design Event - View D
B-02.A	Peak Flood Depth - 10% AEP Design Event - View A
B-02.B	Peak Flood Depth - 10% AEP Design Event - View B
B-02.C	Peak Flood Depth - 10% AEP Design Event - View C
B-02.D	Peak Flood Depth - 10% AEP Design Event - View D
B-03.A	Peak Flood Depth - 5% AEP Design Event - View A
B-03.B	Peak Flood Depth - 5% AEP Design Event - View B
B-03.C	Peak Flood Depth - 5% AEP Design Event - View C
B-03.D	Peak Flood Depth - 5% AEP Design Event - View D
B-04.A	Peak Flood Depth - 2% AEP Design Event - View A
B-04.B	Peak Flood Depth - 2% AEP Design Event - View B
B-04.C	Peak Flood Depth - 2% AEP Design Event - View C
B-04.D	Peak Flood Depth - 2% AEP Design Event - View D
B-05.A	Peak Flood Depth - 1% AEP Design Event - View A
B-05.B	Peak Flood Depth - 1% AEP Design Event - View B
B-05.C	Peak Flood Depth - 1% AEP Design Event - View C
B-05.D	Peak Flood Depth - 1% AEP Design Event - View D

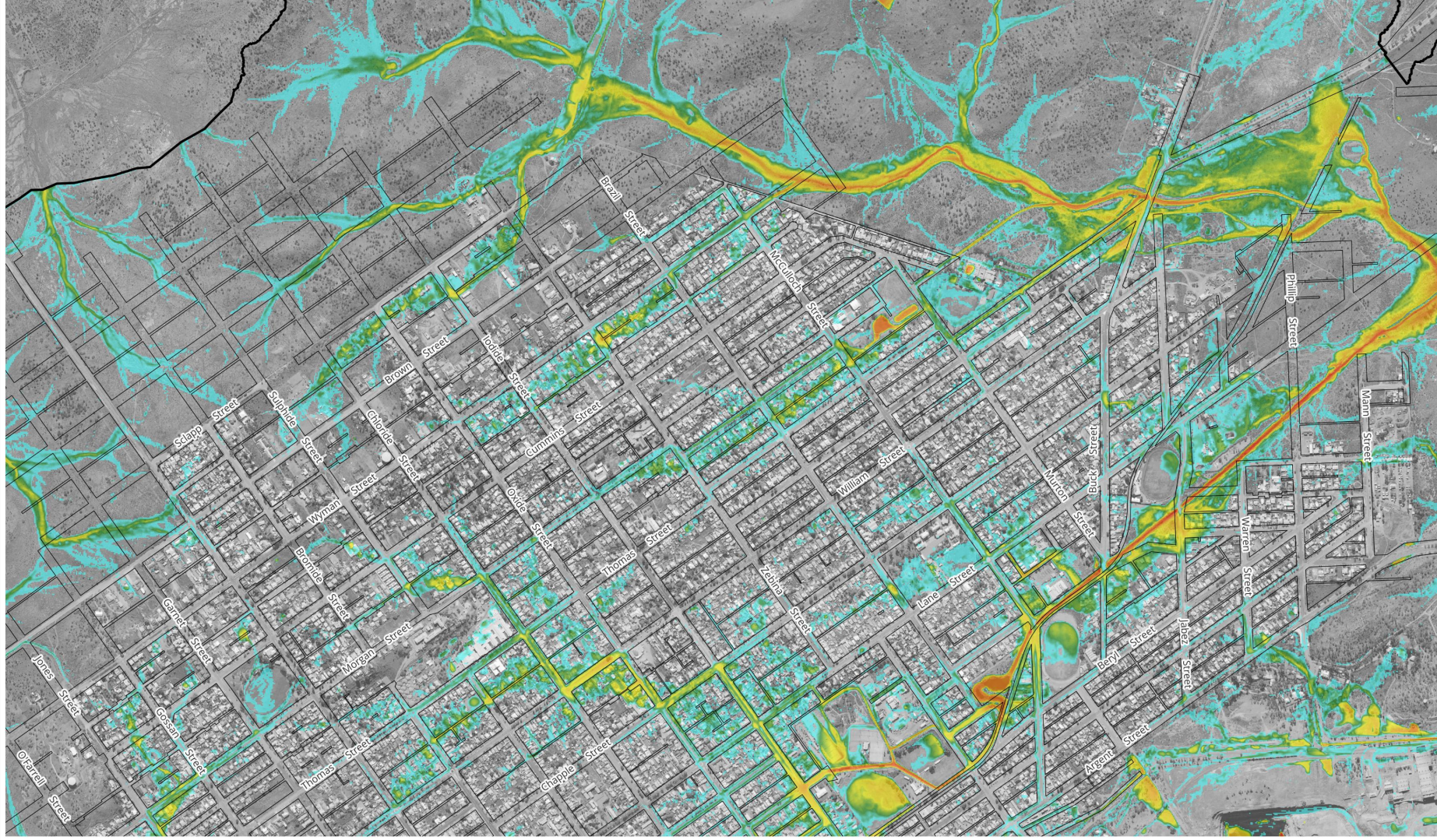
Figure No.	Map Series A - Design Event Peak Flood Depth
B-06.A	Peak Flood Depth - 0.5% AEP Design Event - View A
B-06.B	Peak Flood Depth - 0.5% AEP Design Event - View B
B-06.C	Peak Flood Depth - 0.5% AEP Design Event - View C
B-06.D	Peak Flood Depth - 0.5% AEP Design Event - View D
B-07.A	Peak Flood Depth - 0.2% AEP Design Event - View A
B-07.B	Peak Flood Depth - 0.2% AEP Design Event - View B
B-07.C	Peak Flood Depth - 0.2% AEP Design Event - View C
B-07.D	Peak Flood Depth - 0.2% AEP Design Event - View D
B-08.A	Peak Flood Depth - PMF Design Event - View A
B-08.B	Peak Flood Depth - PMF Design Event - View B
B-08.C	Peak Flood Depth - PMF Design Event - View C
B-08.D	Peak Flood Depth - PMF Design Event - View D



Title:
**Design Peak Flood Depth - 1% AEP Event
Map A**

Figure: B-05.A	Information shown on this figure is compiled from numerous sources and may not be complete or accurate. Torrent Consulting cannot be held responsible for the misuse or misinterpretation of any information and offers no warranty guarantees or representations of any kind in connection to its accuracy or completeness. Torrent Consulting accepts no liability for any loss, damage or inconvenience caused as a result of reliance on the information.
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Legend

Peak Flood Depth (m)

0.1
0.2
0.4
1.0
2.0

Model Extent



Title:

**Design Peak Flood Depth - 1% AEP Event
Map B**

Figure:

B-05.B

Revision:

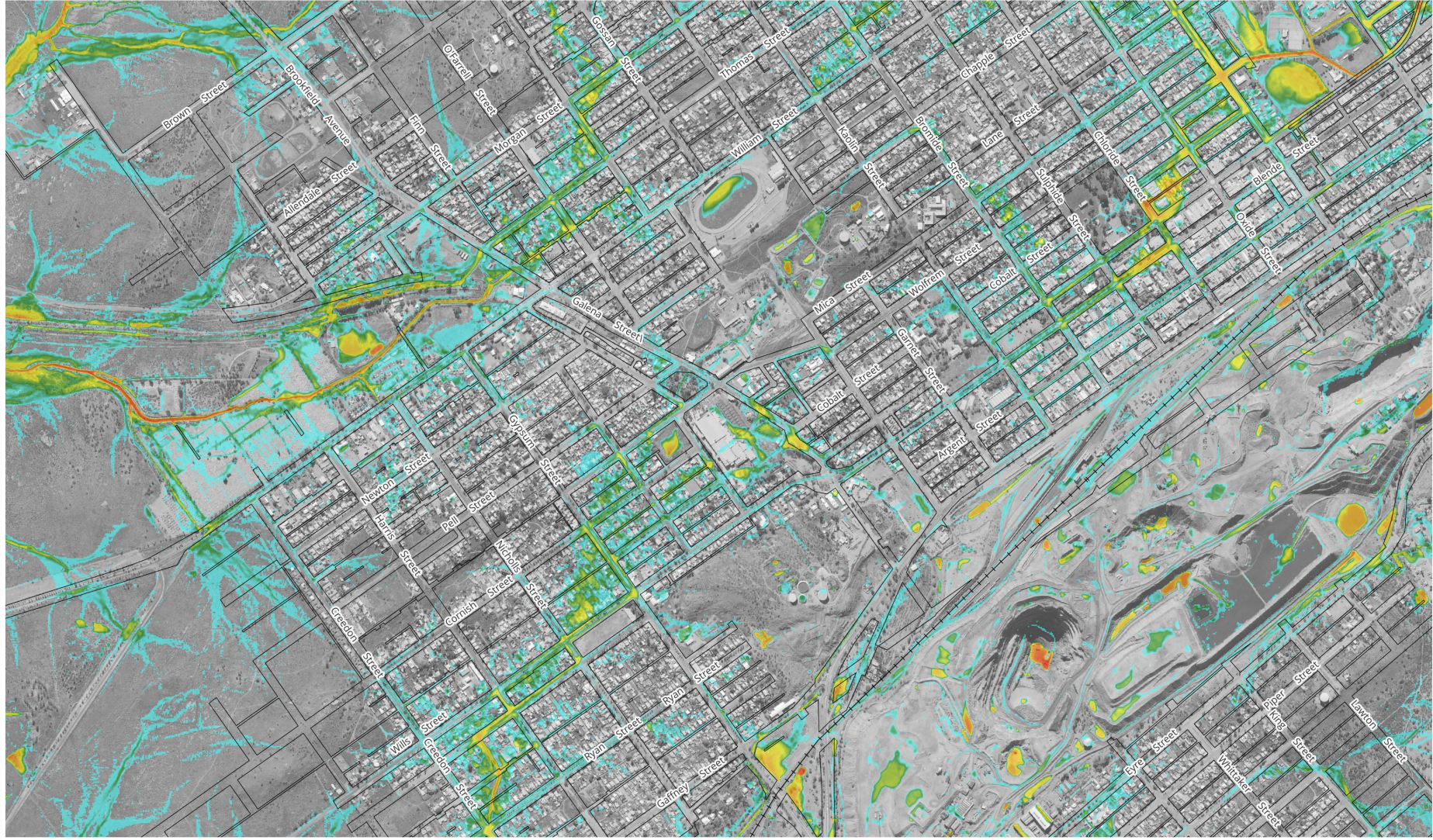
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0 300 600 m
approx. scale





Legend

Peak Flood Depth (m)

- 0.1
- 0.2
- 0.4
- 1.0
- 2.0

Model Extent



Title:

Design Peak Flood Depth - 1% AEP Event
Map C

Figure:
B-05.C

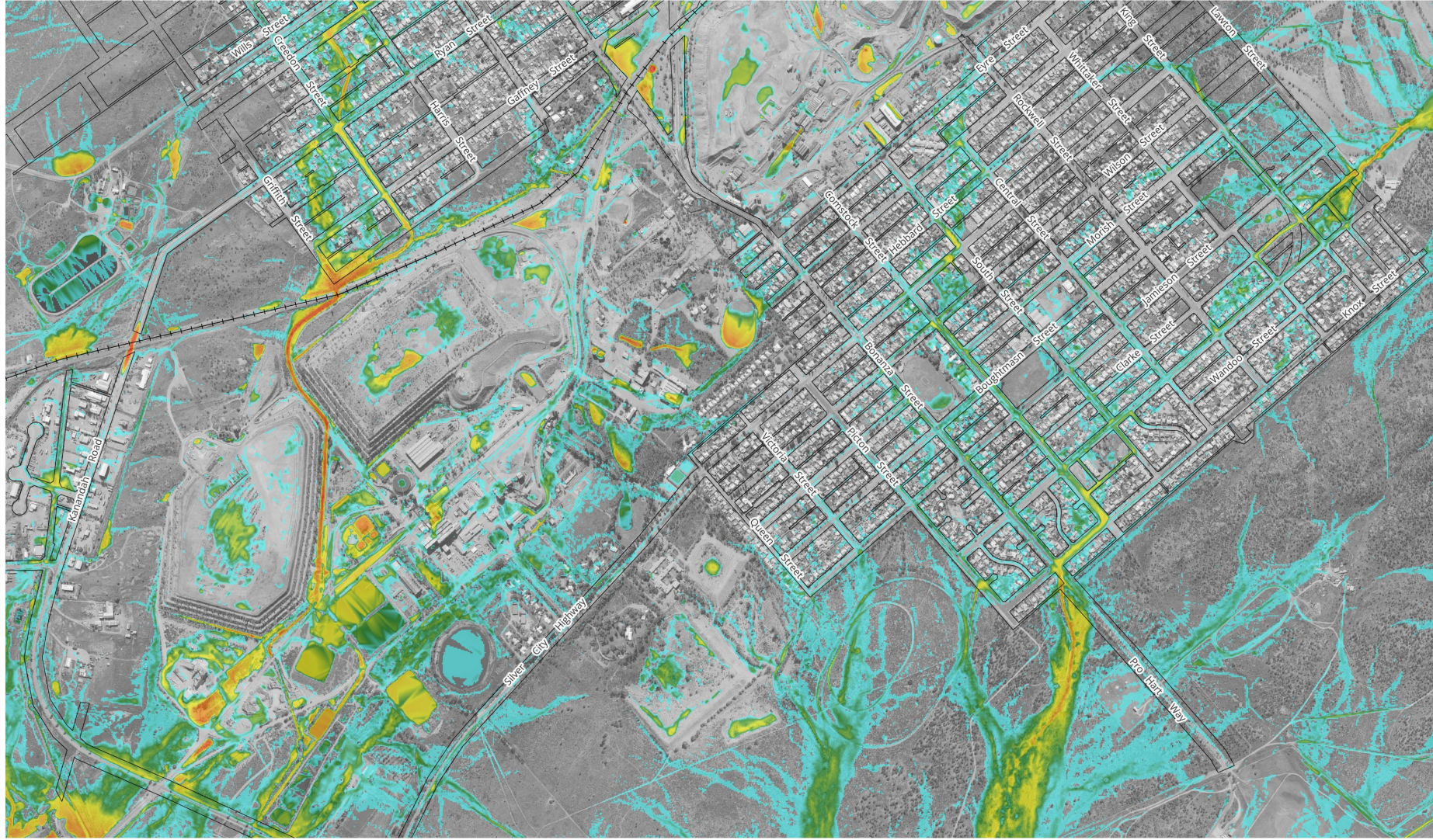
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A

Filepath: Z:\Projects\T2422_Broken_Hill\GIS\T2422_B-05_C_1%_depth.qgz

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0 300 600 m
approx. scale





Legend

Peak Flood Depth (m)

0.1
0.2
0.4
1.0
2.0

Model Extent



Title:

Design Peak Flood Depth - 1% AEP Event
Map D

Figure:

B-05.D

Revision:

A

Filepath: Z:\Projects\T2422_Broken_Hill\GIS\T2422_B-05_D_1%_depth.gqz

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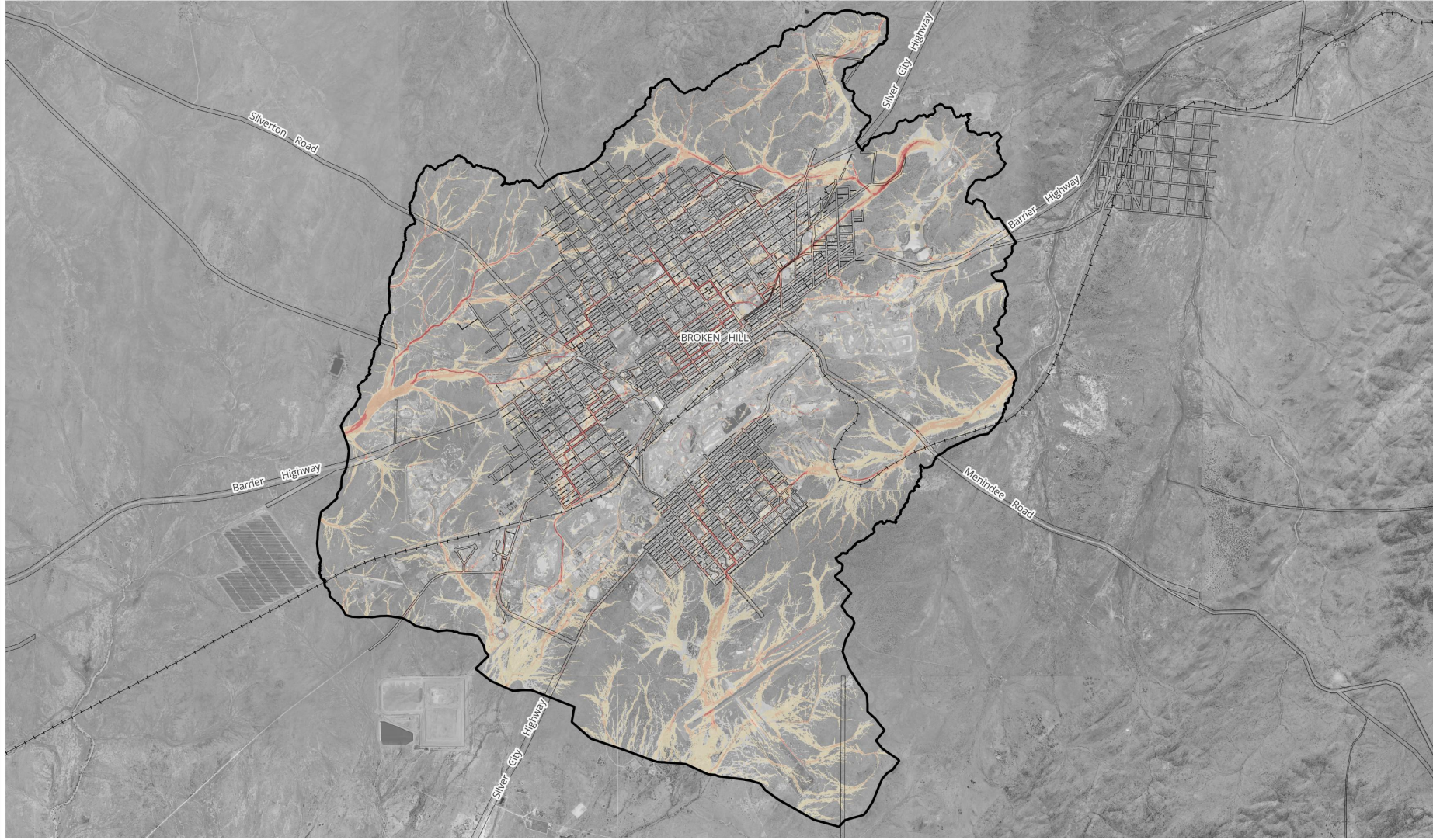
0 300 600 m
approx. scale



Map Series C - Design Event Peak Flood Velocity

Figure No.	Map Series A - Design Event Peak Flood Velocity
C-01.A	Peak Flood Velocity - 20% AEP Design Event - View A
C-01.B	Peak Flood Velocity - 20% AEP Design Event - View B
C-01.C	Peak Flood Velocity - 20% AEP Design Event - View C
C-01.D	Peak Flood Velocity - 20% AEP Design Event - View D
C-02.A	Peak Flood Velocity - 10% AEP Design Event - View A
C-02.B	Peak Flood Velocity - 10% AEP Design Event - View B
C-02.C	Peak Flood Velocity - 10% AEP Design Event - View C
C-02.D	Peak Flood Velocity - 10% AEP Design Event - View D
C-03.A	Peak Flood Velocity - 5% AEP Design Event - View A
C-03.B	Peak Flood Velocity - 5% AEP Design Event - View B
C-03.C	Peak Flood Velocity - 5% AEP Design Event - View C
C-03.D	Peak Flood Velocity - 5% AEP Design Event - View D
C-04.A	Peak Flood Velocity - 2% AEP Design Event - View A
C-04.B	Peak Flood Velocity - 2% AEP Design Event - View B
C-04.C	Peak Flood Velocity - 2% AEP Design Event - View C
C-04.D	Peak Flood Velocity - 2% AEP Design Event - View D
C-05.A	Peak Flood Velocity - 1% AEP Design Event - View A
C-05.B	Peak Flood Velocity - 1% AEP Design Event - View B
C-05.C	Peak Flood Velocity - 1% AEP Design Event - View C
C-05.D	Peak Flood Velocity - 1% AEP Design Event - View D

Figure No.	Map Series A - Design Event Peak Flood Velocity
C-06.A	Peak Flood Velocity - 0.5% AEP Design Event - View A
C-06.B	Peak Flood Velocity - 0.5% AEP Design Event - View B
C-06.C	Peak Flood Velocity - 0.5% AEP Design Event - View C
C-06.D	Peak Flood Velocity - 0.5% AEP Design Event - View D
C-07.A	Peak Flood Velocity - 0.2% AEP Design Event - View A
C-07.B	Peak Flood Velocity - 0.2% AEP Design Event - View B
C-07.C	Peak Flood Velocity - 0.2% AEP Design Event - View C
C-07.D	Peak Flood Velocity - 0.2% AEP Design Event - View D
C-08.A	Peak Flood Velocity - PMF Design Event - View A
C-08.B	Peak Flood Velocity - PMF Design Event - View B
C-08.C	Peak Flood Velocity - PMF Design Event - View C
C-08.D	Peak Flood Velocity - PMF Design Event - View D



Legend

Peak Velocity (m/s)

- < 0.2
- 0.5 to 1.0
- 1.0 to 1.5
- 1.5 to 2.0
- > 2.0

Model Extent



Title:

Design Peak Flood Velocity - 1% AEP Event
Map A

Figure:
C-05.A

Revision:
A

Filepath: Z:\Projects\T2422_Broken_Hill\GIS\T2422_C-05_A_1%_velocity.qgz

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0 1 2 km
approx. scale





Legend

Peak Velocity (m/s)
< 0.2
0.5 to 1.0
1.0 to 1.5
1.5 to 2.0
> 2.0

Model Extent



Title:

**Design Peak Flood Velocity - 1% AEP Event
Map B**

Figure:

C-05.B

Revision:

A

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Filepath: Z:\Projects\T2422 Broken Hill\GIS\T2422 C-05_B_1%_velocity.qgz

0 300 600 m
approx. scale





Legend

Peak Velocity (m/s)
< 0.2
0.5 to 1.0
1.0 to 1.5
1.5 to 2.0
> 2.0

Model Extent



Title:

**Design Peak Flood Velocity - 1% AEP Event
Map C**

Figure: **C-05.C**

Revision: **A**

Filepath: Z:\Projects\T2422_Broken_Hill\GIS\T2422_C-05_C_1%_velocity.qgz

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0 300 600 m
approx. scale





Legend

Peak Velocity (m/s)
 < 0.2
 0.5 to 1.0
 1.0 to 1.5
 1.5 to 2.0
 > 2.0

Model Extent



Title:

**Design Peak Flood Velocity - 1% AEP Event
Map D**

Figure:

C-05.D

Revision:

A

Filepath: Z:\Projects\T2422 Broken Hill\GIS\T2422 C-05 D 1% velocity.qgz

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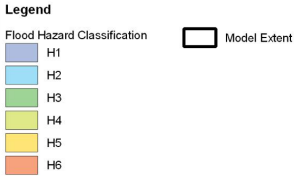
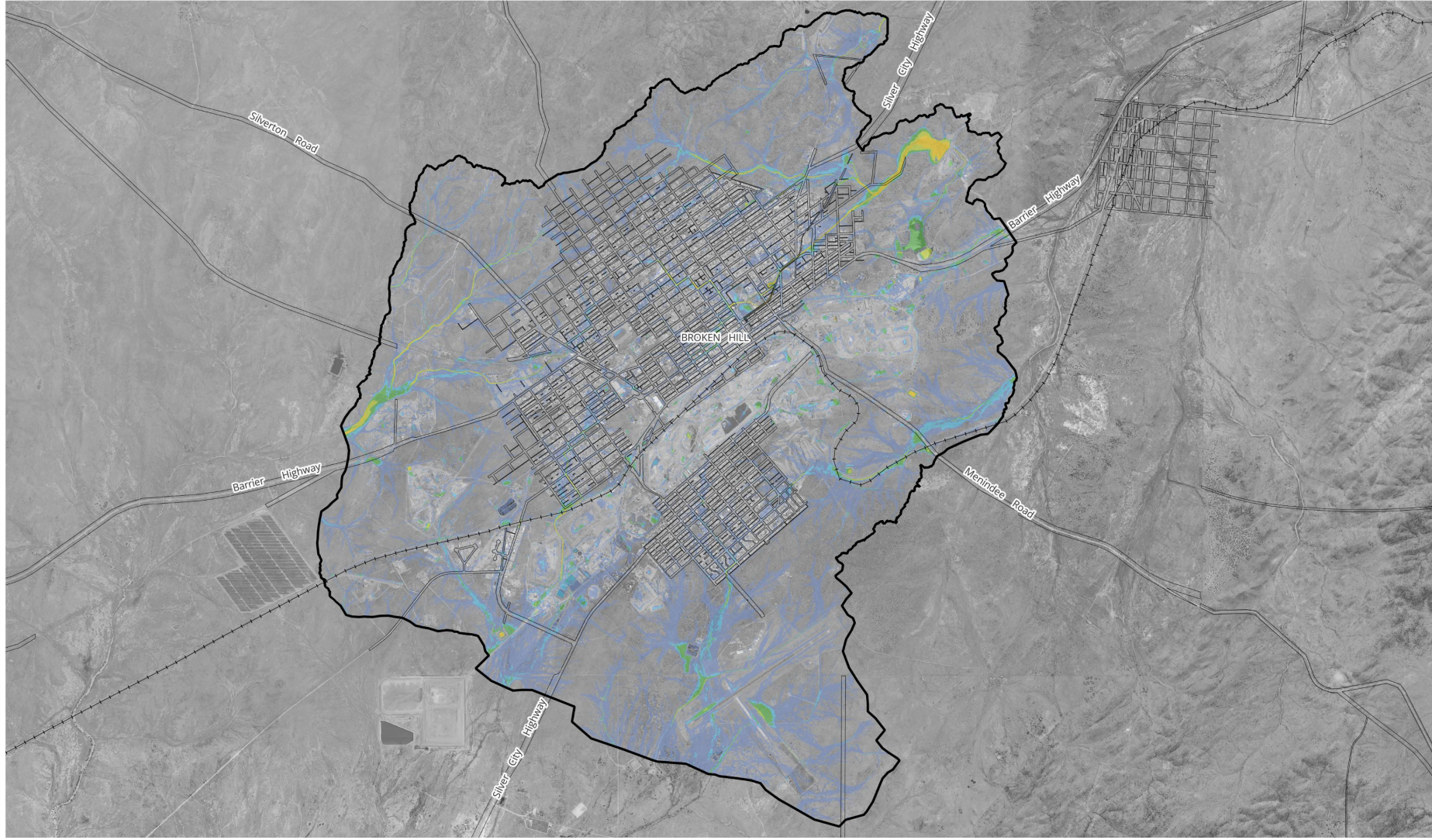


0 300 600 m
 approx. scale



Map Series D - Design Event Flood Hazard Classification

Figure No.	Map Series A - Design Event Peak Flood Hazard
D-01.A	Flood Hazard Classification - 5% AEP Design Event - View A
D-01.B	Flood Hazard Classification - 5% AEP Design Event - View B
D-01.C	Flood Hazard Classification - 5% AEP Design Event - View C
D-01.D	Flood Hazard Classification - 5% AEP Design Event - View D
D-02.A	Flood Hazard Classification - 1% AEP Design Event - View A
D-02.B	Flood Hazard Classification - 1% AEP Design Event - View B
D-02.C	Flood Hazard Classification - 1% AEP Design Event - View C
D-02.D	Flood Hazard Classification - 1% AEP Design Event - View D
D-03.A	Flood Hazard Classification - 0.2% AEP Design Event - View A
D-03.B	Flood Hazard Classification - 0.2% AEP Design Event - View B
D-03.C	Flood Hazard Classification - 0.2% AEP Design Event - View C
D-03.D	Flood Hazard Classification - 0.2% AEP Design Event - View D
D-04.A	Flood Hazard Classification - PMF Design Event - View A
D-04.B	Flood Hazard Classification - PMF Design Event - View B
D-04.C	Flood Hazard Classification - PMF Design Event - View C
D-04.D	Flood Hazard Classification - PMF Design Event - View D



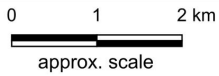
Title:
**Flood Hazard Classification - 1% AEP Event
Map A**

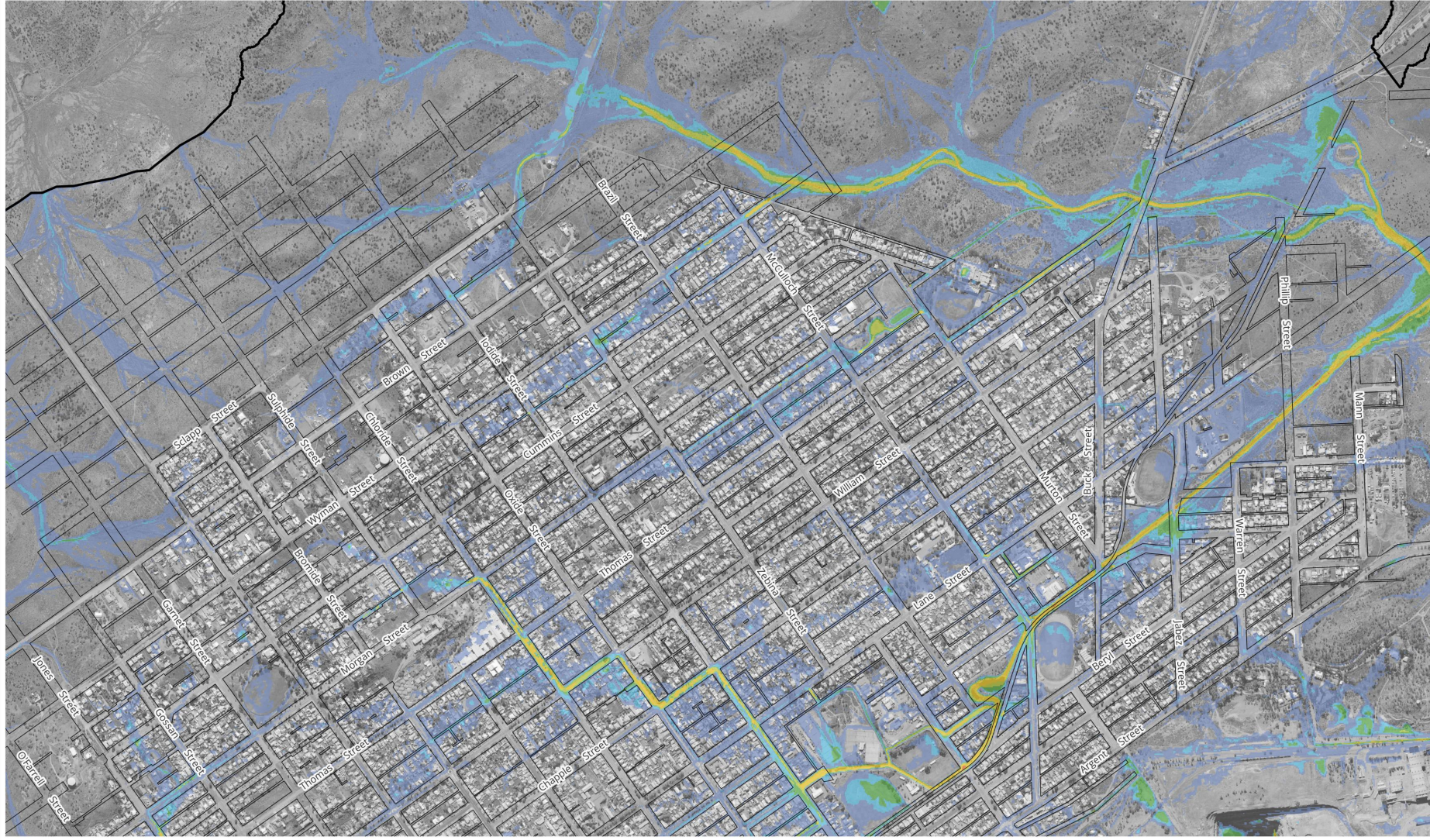
Figure:
D-05.A

Revision:
A

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Filepath: Z:\Projects\T2422 Broken Hill\GIS\T2422 D-05 A 1% hazard.qgz





Legend

Flood Hazard Classification

- H1
- H2
- H3
- H4
- H5
- H6

Model Extent



Title:

Flood Hazard Classification - 1% AEP Event
Map B

Figure: D-05.B

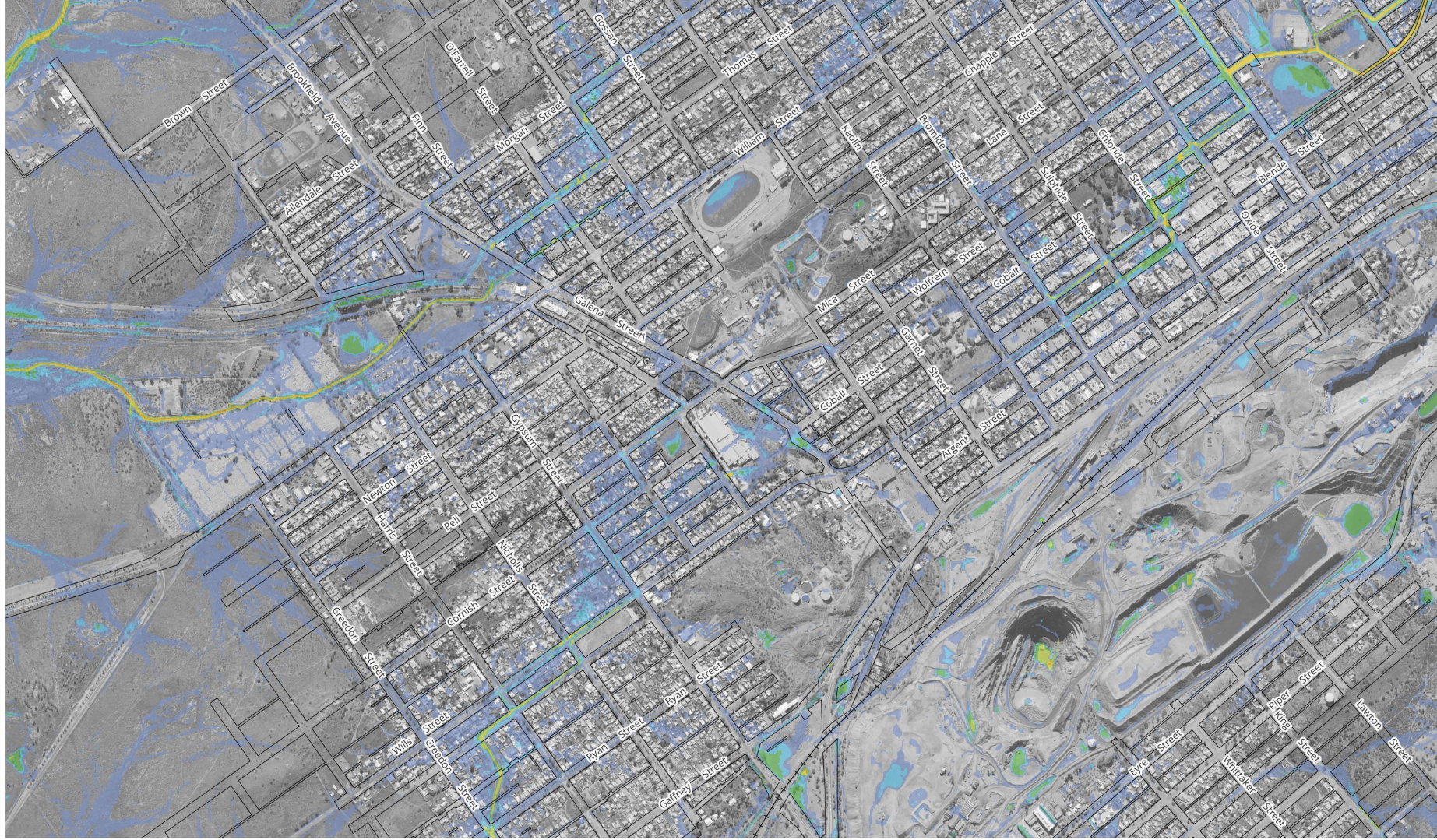
Revision: A

Filepath: Z:\Projects\T2422_Broken_Hill\GIS\T2422_D-05_B_1%_hazard.qgz

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0 300 600 m
approx. scale





Legend

- Flood Hazard Classification
- H1
 - H2
 - H3
 - H4
 - H5
 - H6

Model Extent



Title:

Flood Hazard Classification - 1% AEP Event
Map C

Figure: D-05.C

Revision: A

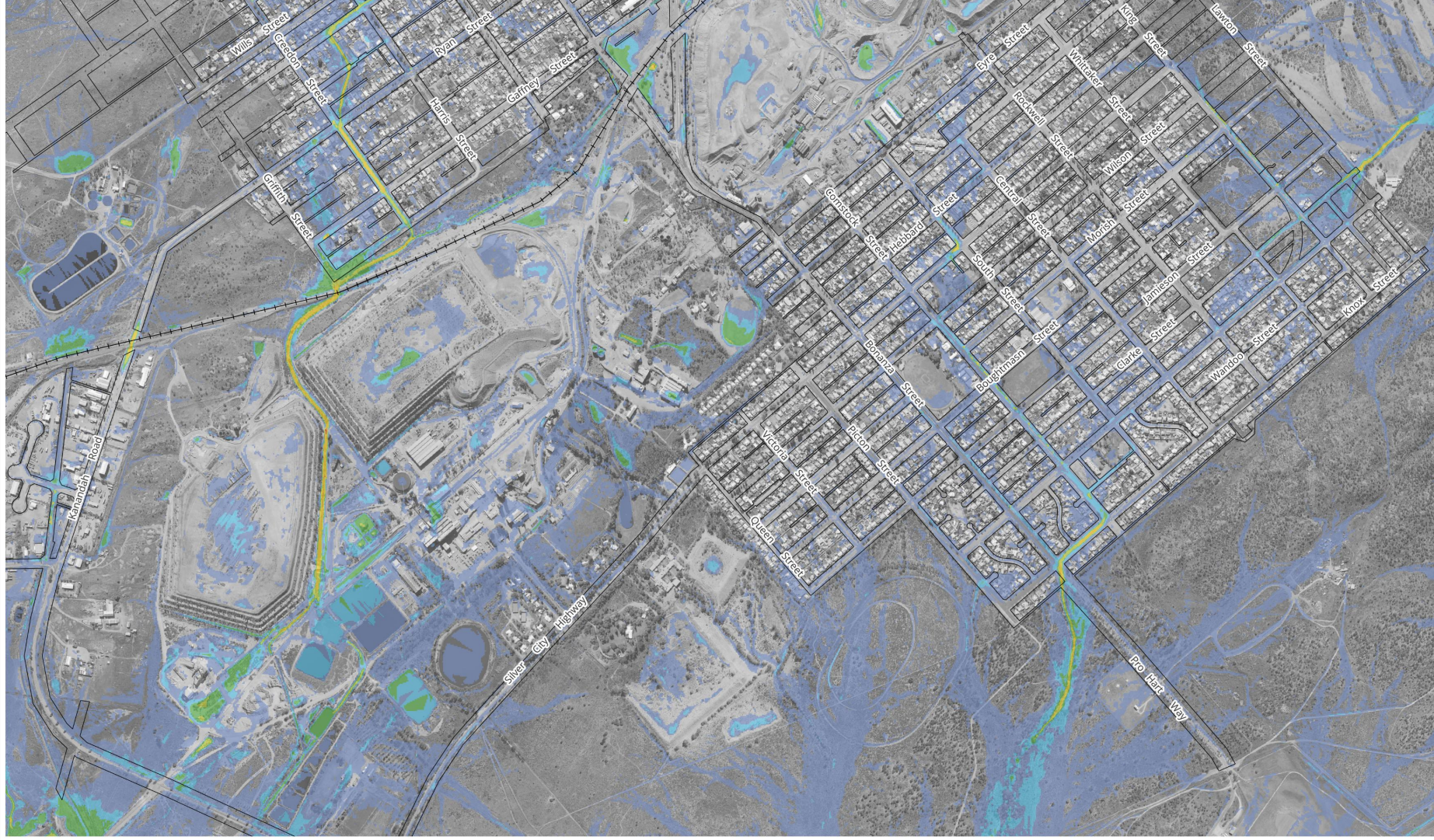
Filepath: Z:\Projects\T2422_Broken_Hill\GIS\T2422_D-05_C_1%_hazard.qgz

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0 300 600 m

approx. scale





Legend

Flood Hazard Classification

- H1
- H2
- H3
- H4
- H5
- H6

Model Extent



Title:

Flood Hazard Classification - 1% AEP Event
Map D

Figure:

D-05.D

Revision:

A

Filepath: Z:\Projects\T2422_Broken_Hill\GIS\T2422_D-05_D_1_hazard.qgz

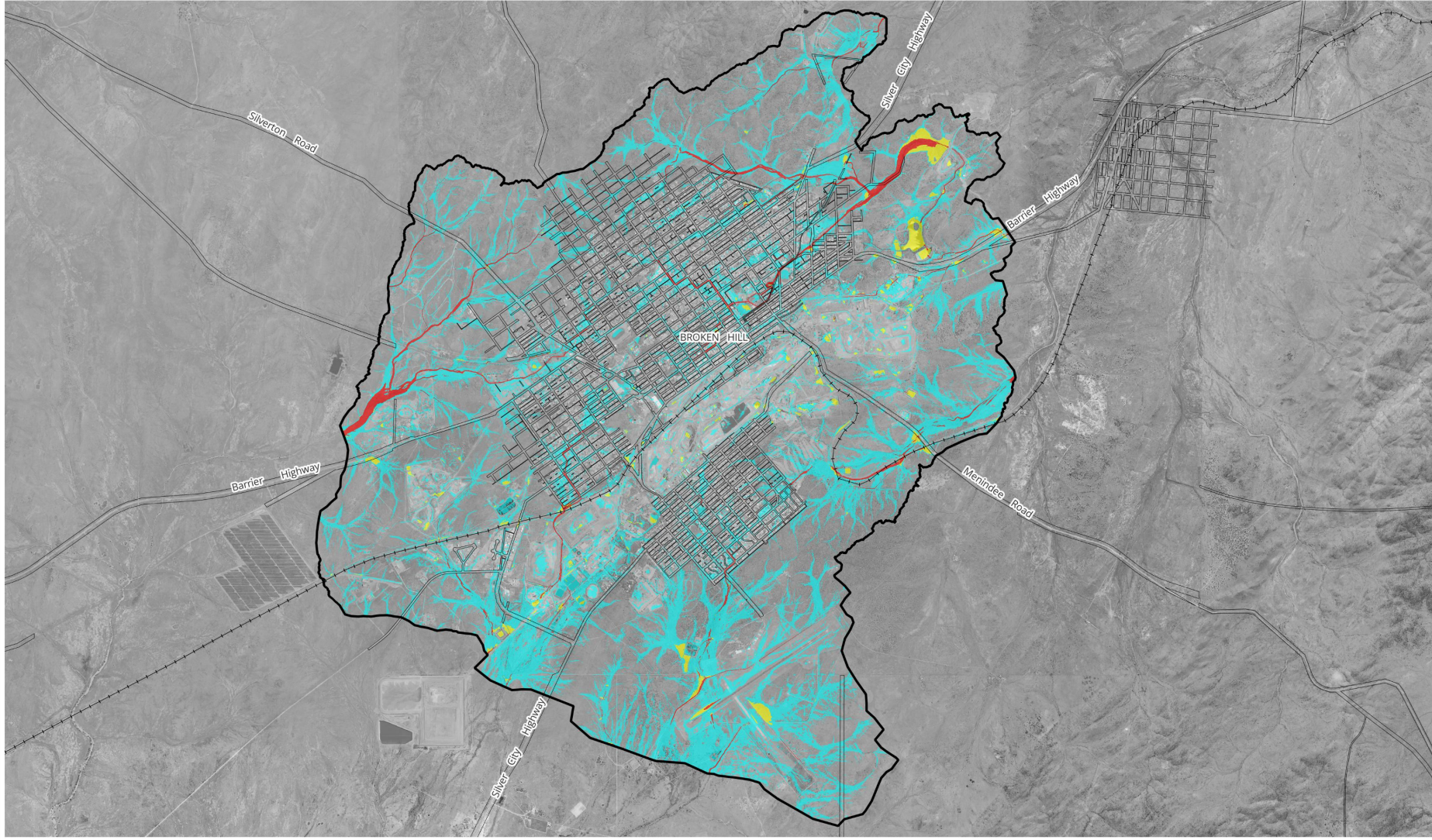
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0 300 600 m
approx. scale



Map Series E - Flood Function

Figure No.	Map Series A – Flood Function
E-01.A	Flood Function - 5% AEP Design Event - View A
E-01.B	Flood Function - 5% AEP Design Event - View B
E-01.C	Flood Function - 5% AEP Design Event - View C
E-01.D	Flood Function - 5% AEP Design Event - View D
E-02.A	Flood Function - 1% AEP Design Event - View A
E-02.B	Flood Function - 1% AEP Design Event - View B
E-02.C	Flood Function - 1% AEP Design Event - View C
E-02.D	Flood Function - 1% AEP Design Event - View D
E-03.A	Flood Function - 0.2% AEP Design Event - View A
E-03.B	Flood Function - 0.2% AEP Design Event - View B
E-03.C	Flood Function - 0.2% AEP Design Event - View C
E-03.D	Flood Function - 0.2% AEP Design Event - View D
E-04.A	Flood Function - PMF Design Event - View A
E-04.B	Flood Function - PMF Design Event - View B
E-04.C	Flood Function - PMF Design Event - View C
E-04.D	Flood Function - PMF Design Event - View D



Legend

Flood Function
Floodway
Flood storage
Flood fringe

Model Extent



Title:

**Flood Function - 1% AEP Event
Map A**

Figure:
E-05.A

Revision:
A

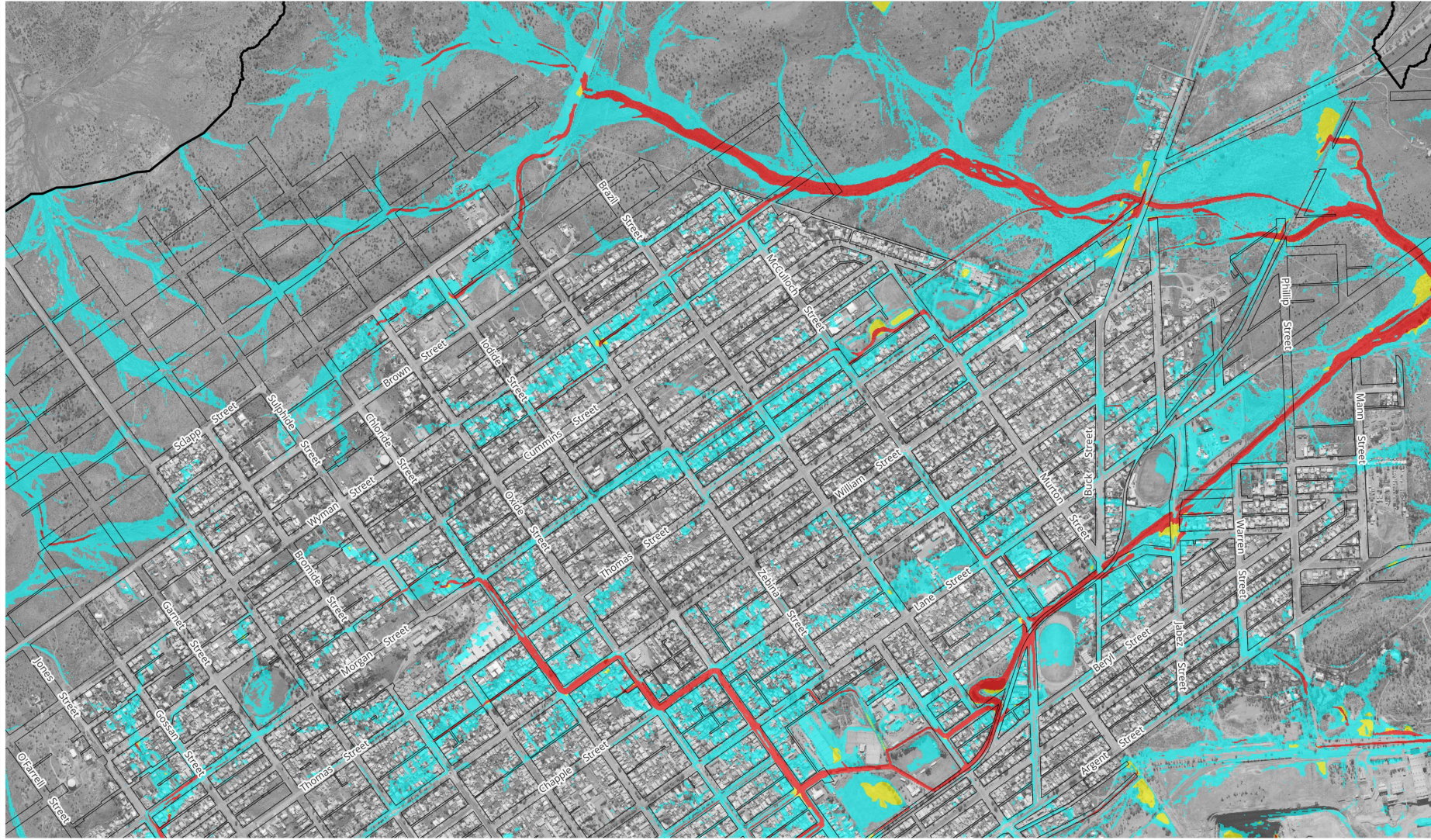
Filepath: Z:\Projects\T2422 Broken Hill\GIS\T2422 E-05_A 1% function.qgz

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0 1 2 km
approx. scale





Legend

- Flood Function
- Floodway
 - Flood storage
 - Flood fringe

Model Extent



Title:

Flood Function - 1% AEP Event
Map B

Figure:

E-05.B

Revision:

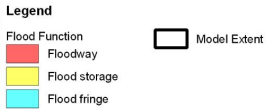
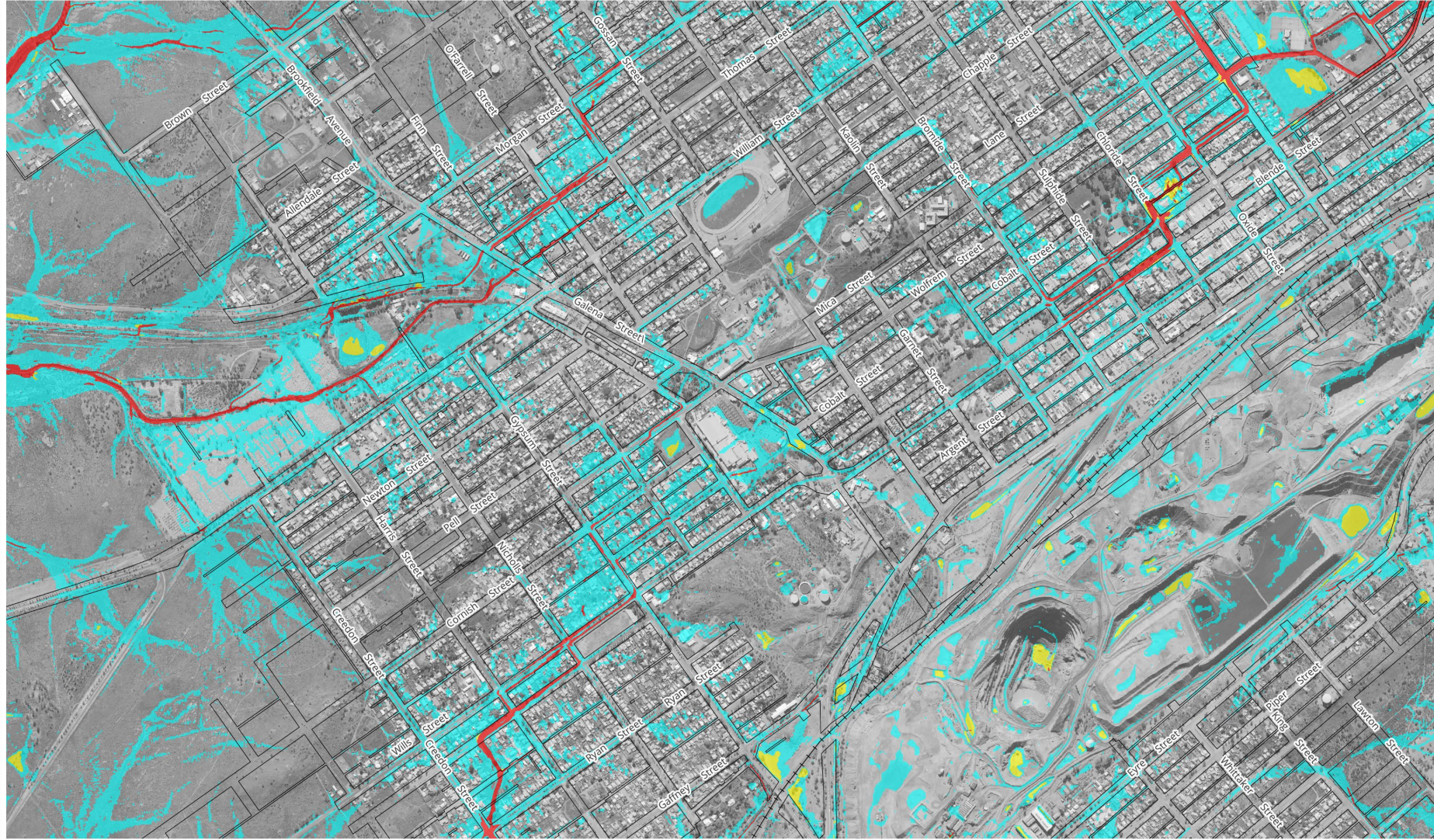
A

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Filepath: Z:\Projects\T2422_Broken_Hill\GIS\T2422_E-05_B_1_function.qgz

0 300 600 m
approx. scale



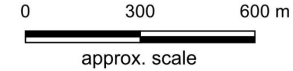


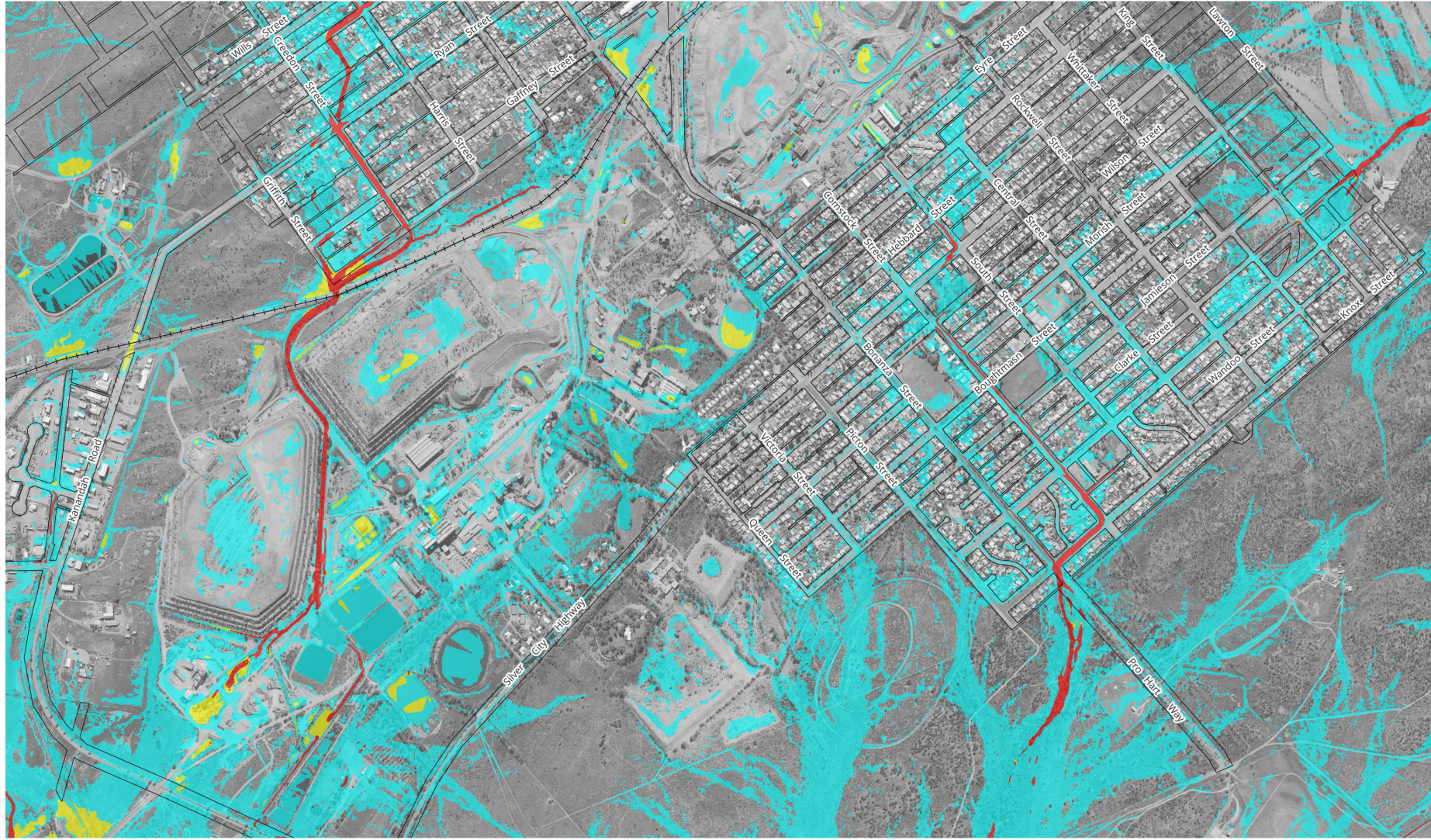
Title: **Flood Function - 1% AEP Event
Map C**

Figure: **E-05.C**
Revision: **A**

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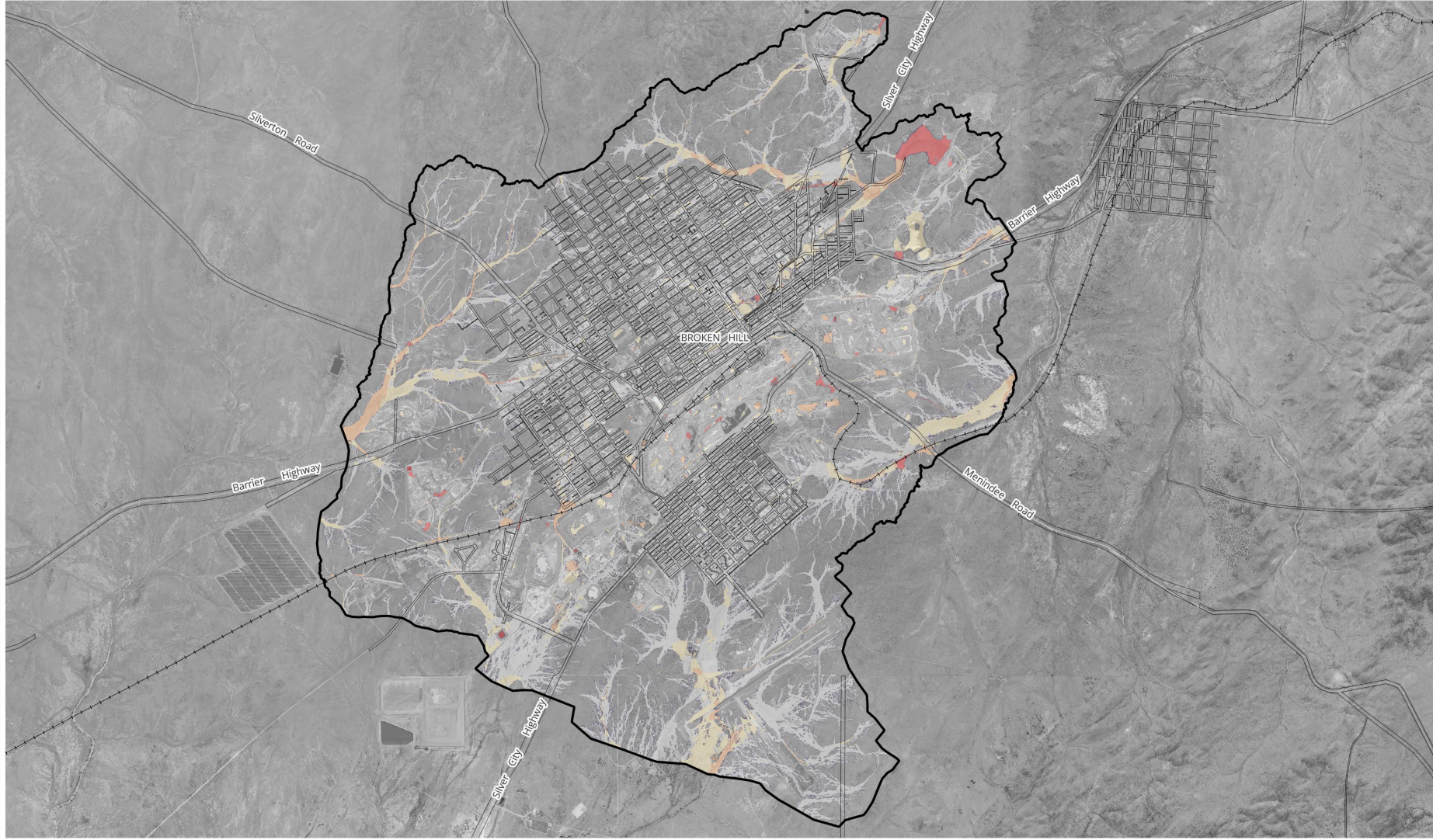
Filepath: Z:\Projects\T2422 Broken Hill\GIS\T2422 E-05 C. 1% function.gqz





Map Series F - Model Sensitivity Tests

Figure No.	Map Series A – Model Sensitivity Tests
F-01.A	Climate Change – 0.5% AEP Proxy Event - View A
F-01.B	Climate Change – 0.5% AEP Proxy Event - View B
F-01.C	Climate Change – 0.5% AEP Proxy Event - View C
F-01.D	Climate Change – 0.5% AEP Proxy Event - View D
F-02.A	Climate Change – 0.2% AEP Proxy Event - View A
F-02.B	Climate Change – 0.2% AEP Proxy Event - View B
F-02.C	Climate Change – 0.2% AEP Proxy Event - View C
F-02.D	Climate Change – 0.2% AEP Proxy Event - View D
F-03.A	Structure Blockage – Low Blockage Scenario - View A
F-03.B	Structure Blockage – Low Blockage Scenario - View B
F-03.C	Structure Blockage – Low Blockage Scenario - View C
F-03.D	Structure Blockage – Low Blockage Scenario - View D
F-04.A	Structure Blockage – High Blockage Scenario - View A
F-04.B	Structure Blockage – High Blockage Scenario - View B
F-04.C	Structure Blockage – High Blockage Scenario - View C
F-04.D	Structure Blockage – High Blockage Scenario - View D
F-05.A	Hydraulic Roughness – Low Manning's 'n' - View A
F-05.B	Hydraulic Roughness – Low Manning's 'n' - View B
F-05.C	Hydraulic Roughness – Low Manning's 'n' - View C
F-05.D	Hydraulic Roughness – Low Manning's 'n' - View D
F-06.A	Hydraulic Roughness – High Manning's 'n' - View A
F-06.B	Hydraulic Roughness – High Manning's 'n' - View B
F-06.C	Hydraulic Roughness – High Manning's 'n' - View C
F-06.D	Hydraulic Roughness – High Manning's 'n' - View D



Legend

Change in Peak Flood Level (m)

< -0.50
-0.50 to -0.20
-0.20 to -0.10
-0.10 to -0.05
-0.05 to +0.05
+0.05 to +0.10

+0.10 to +0.20
+0.20 to +0.50
> +0.50

Change in Flood Extent

was wet, now dry
was dry, now wet
Model Extent



Title:

**Climate Change Sensitivity - Change in Peak 1%
AEP Flood Level (0.5% AEP Proxy Event) Map A**

Figure:
F-01.A

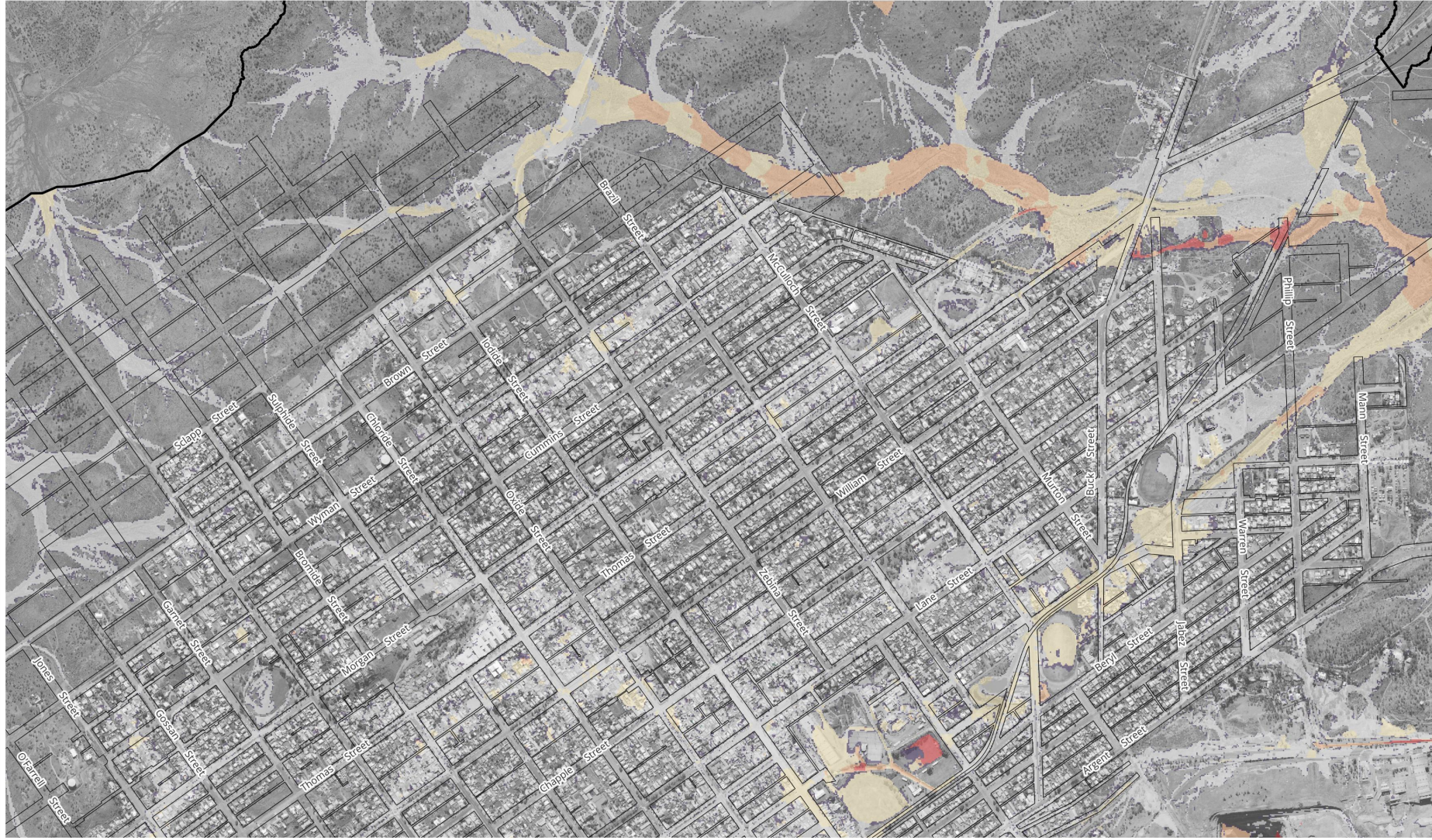
Revision:
A

Filepath: Z:\Projects\T2422_Broken_Hill\GIS\T2422_F-01_A_1%_CC1_himpact.qgz

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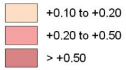
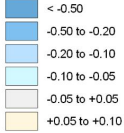
0 1 2 km
approx. scale





Legend

Change in Peak Flood Level (m)



Change in Flood Extent
was wet, now dry
was dry, now wet
Model Extent



Title:

**Climate Change Sensitivity - Change in Peak 1%
AEP Flood Level (0.5% AEP Proxy Event) Map B**

Figure:

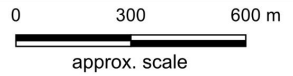
F-01.B

Revision:

A

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Filepath: Z:\Projects\T2422 Broken Hill\GIS\T2422 F-01 B 1% CC1 himpaact.qaz





Title:
Climate Change Sensitivity - Change in Peak 1% AEP Flood Level (0.5% AEP Proxy Event) Map C

Figure:
F-01.C

Revision:
A

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Filepath: Z:\Projects\T2422_Broken_Hill\GIS\T2422_F-01_C_1%_CC1_himpact.qgz

0 300 600 m
approx. scale

N

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Legend

Change in Peak Flood Level (m)

- < -0.50
- 0.50 to -0.20
- 0.20 to -0.10
- 0.10 to -0.05
- 0.05 to +0.05
- +0.05 to +0.10

- +0.10 to +0.20
- +0.20 to +0.50
- > +0.50

Change in Flood Extent

- was wet, now dry
- was dry, now wet
- Model Extent



Title:

**Climate Change Sensitivity - Change in Peak 1%
AEP Flood Level (0.5% AEP Proxy Event) Map D**

Figure:

F-01.D

Revision:

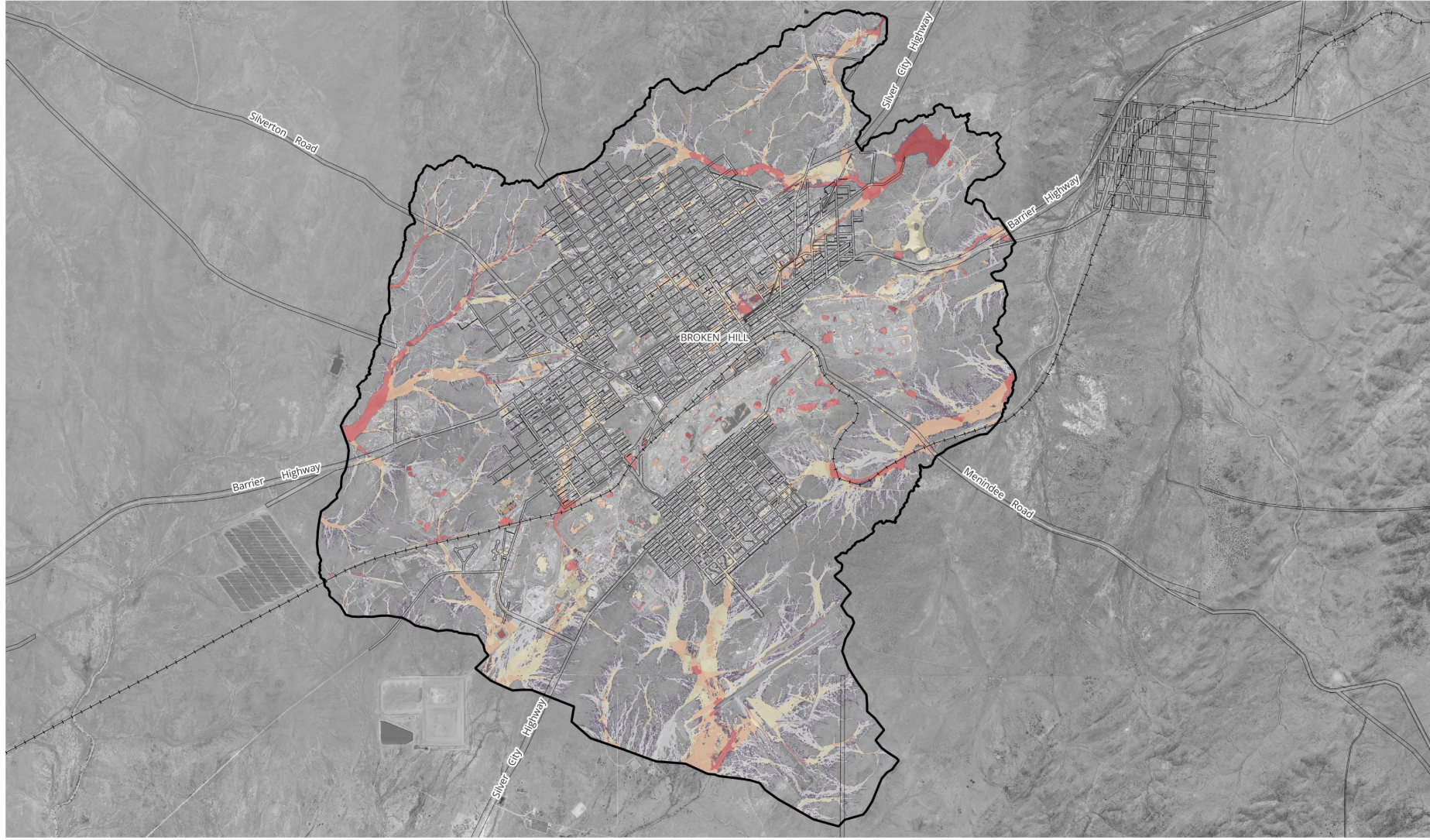
A

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Filepath: Z:\Projects\T2422 Broken Hill\GIS\T2422 F-01 D 1% CC1 himpacd.aaz

0 300 600 m
approx. scale





Legend

Change in Peak Flood Level (m)

< -0.50
-0.50 to -0.20
-0.20 to -0.10
-0.10 to -0.05
-0.05 to +0.05
+0.05 to +0.10

+0.10 to +0.20
+0.20 to +0.50
> +0.50

Change in Flood Extent

was wet, now dry
was dry, now wet
Model Extent



Title:

**Climate Change Sensitivity - Change in Peak 1%
AEP Flood Level (0.2% AEP Proxy Event) Map A**

Figure:

F-02.A

Revision:

A

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Filepath: Z:\Projects\T2422 Broken Hill\GIS\T2422 F-02 A 1% CC2 himoact.oaz

0 1 2 km
approx. scale





Legend

Change in Peak Flood Level (m)

< -0.50
-0.50 to -0.20
-0.20 to -0.10
-0.10 to -0.05
-0.05 to +0.05
+0.05 to +0.10

+0.10 to +0.20
+0.20 to +0.50
> +0.50

Change in Flood Extent

was wet, now dry
was dry, now wet
Model Extent



Title:

**Climate Change Sensitivity - Change in Peak 1%
AEP Flood Level (0.2% AEP Proxy Event) Map B**

Figure:

F-02.B

Revision:

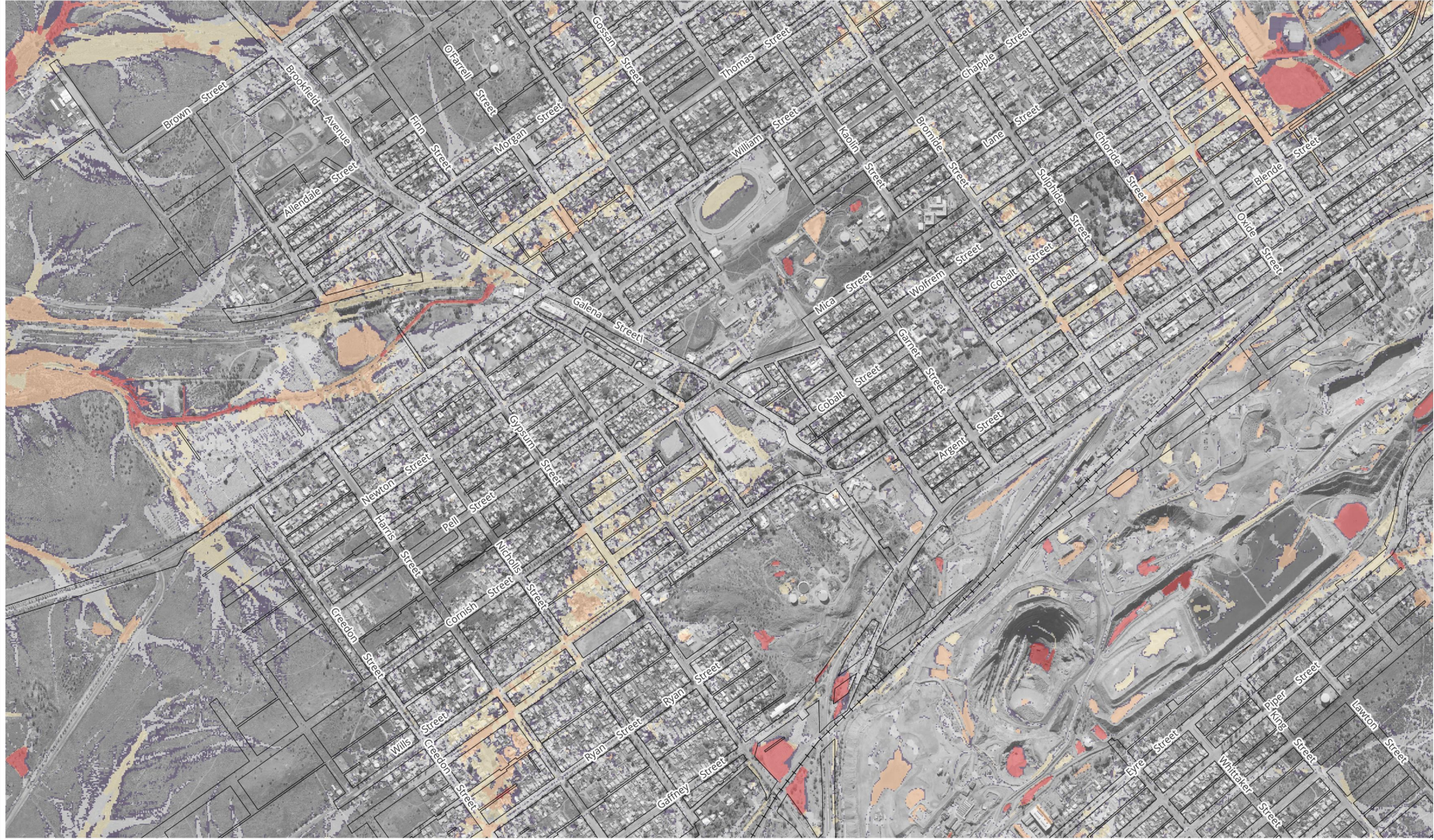
A

Filepath: Z:\Projects\T2422_Broken_Hill\GIS\T2422_F-02_B_1%_CC2_himpact.qgz

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0 300 600 m
approx. scale





Legend

Change in Peak Flood Level (m)

< -0.50
-0.50 to -0.20
-0.20 to -0.10
-0.10 to -0.05
-0.05 to +0.05
+0.05 to +0.10

+0.10 to +0.20
+0.20 to +0.50
> +0.50

Change in Flood Extent

was wet, now dry
was dry, now wet
Model Extent



Title:

**Climate Change Sensitivity - Change in Peak 1%
AEP Flood Level (0.2% AEP Proxy Event) Map C**

Figure:

F-02.C

Revision:

A

Filepath: Z:\Projects\T2422_Broken_Hill\GIS\T2422_F-02_C_1%_CC2_himpact.qgz

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0 300 600 m
approx. scale





Legend

Change in Peak Flood Level (m)

- < -0.50
- 0.50 to -0.20
- 0.20 to -0.10
- 0.10 to -0.05
- 0.05 to +0.05
- +0.05 to +0.10

- +0.10 to +0.20
- +0.20 to +0.50
- > +0.50

Change in Flood Extent

- was wet, now dry
- was dry, now wet
- Model Extent



Title:

**Climate Change Sensitivity - Change in Peak 1%
AEP Flood Level (0.2% AEP Proxy Event) Map D**

Figure:

F-02.D

Revision:

A

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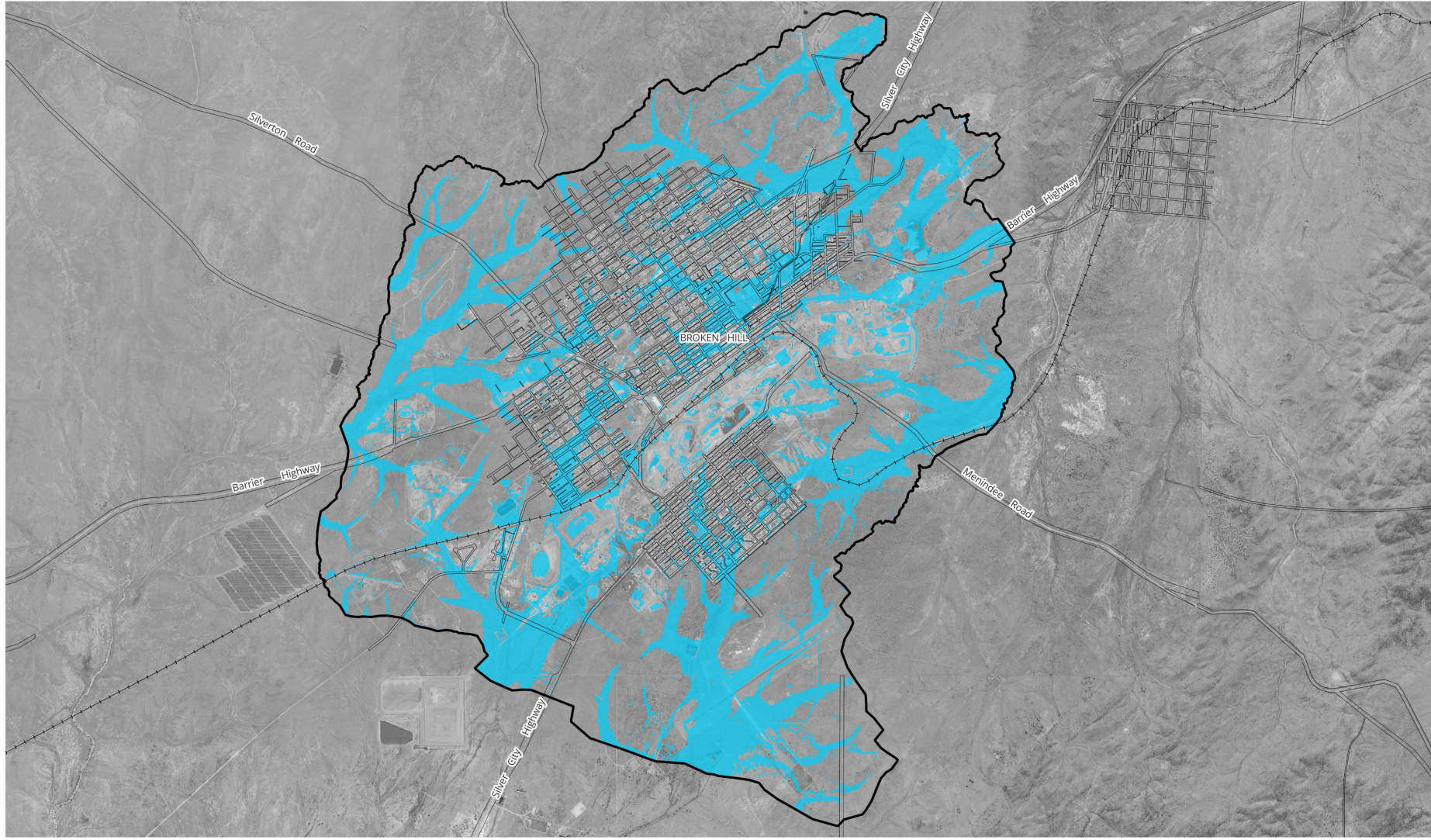
Filepath: Z:\Projects\T2422_Broken_Hill\GIS\T2422_F-02_D_1%_CC2_himpact.qgz

0 300 600 m
approx. scale



Map Series G - Flood Planning Area

Figure No.	Map Series A – Model Sensitivity Tests
G-01.A	Flood Planning Area - View A
G-01.B	Flood Planning Area - View B
G-01.C	Flood Planning Area - View C
G-01.D	Flood Planning Area - View D



Legend

- Model Extent
- Flood Planning Area



Title:

Flood Planning Area
Map A

Figure:
G-01.A

Revision:
A

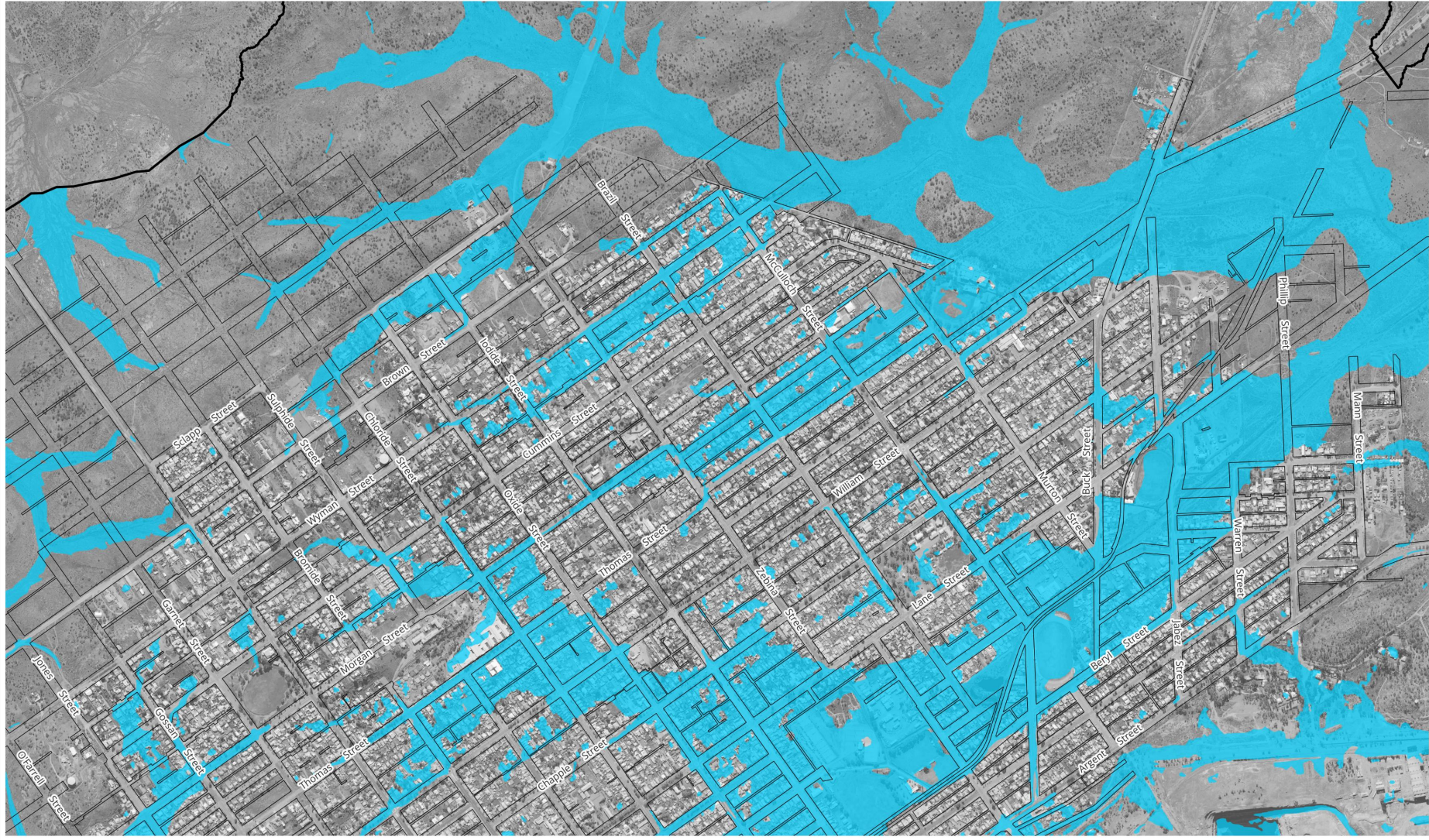
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0 1 2 km
approx. scale





Legend

- Model Extent
- Flood Planning Area



Title:
**Flood Planning Area
Map B**

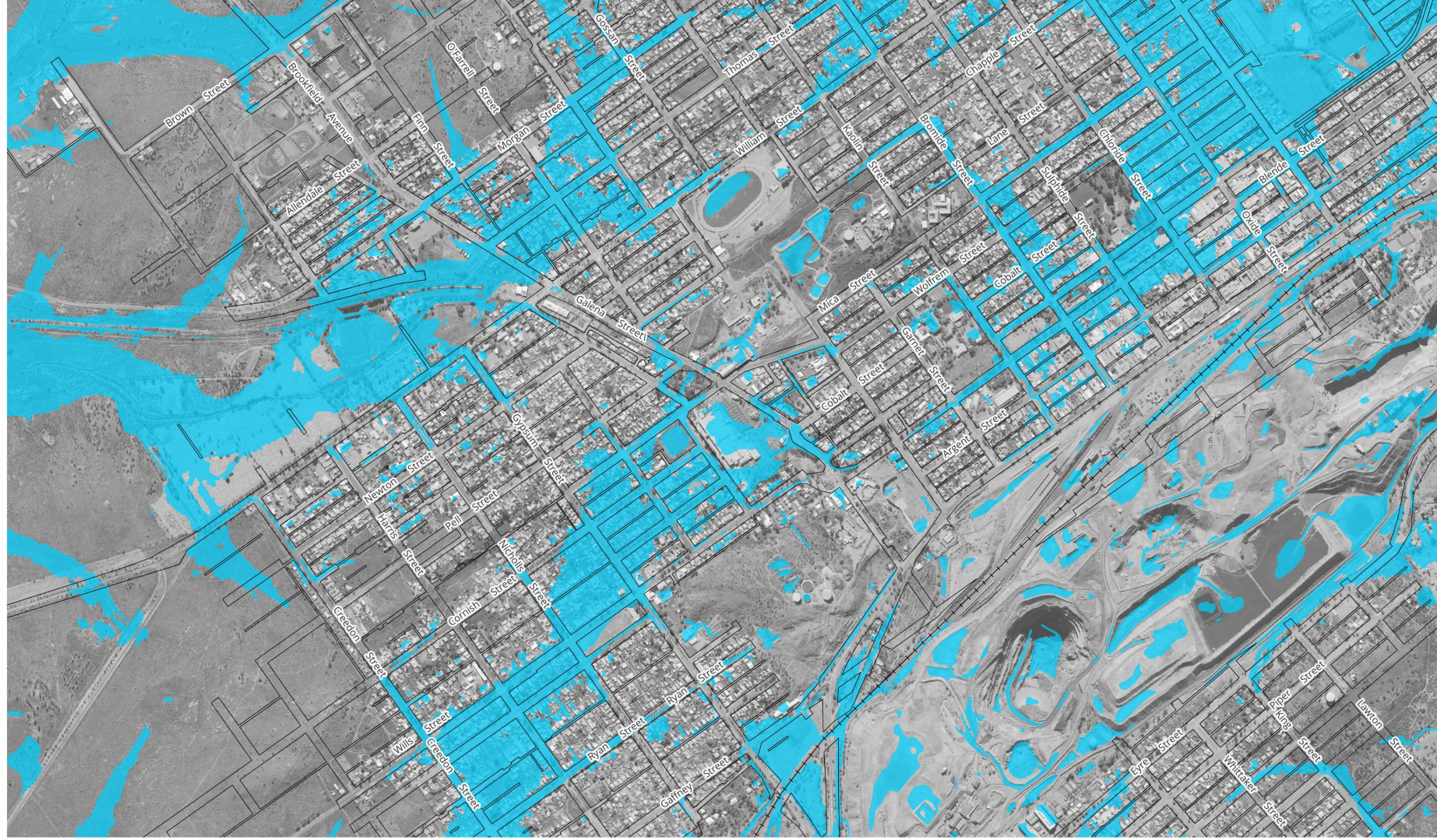
Figure:
G-01.B
Revision:
A

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Filepath: Z:\Projects\T2422_Broken_Hill\GIS\T2422_G-01_B_FPA.gxz

0 300 600 m
approx. scale





Legend

- Model Extent
- Flood Planning Area



Title:

Flood Planning Area
Map C

Figure:

G-01.C

Revision:

A

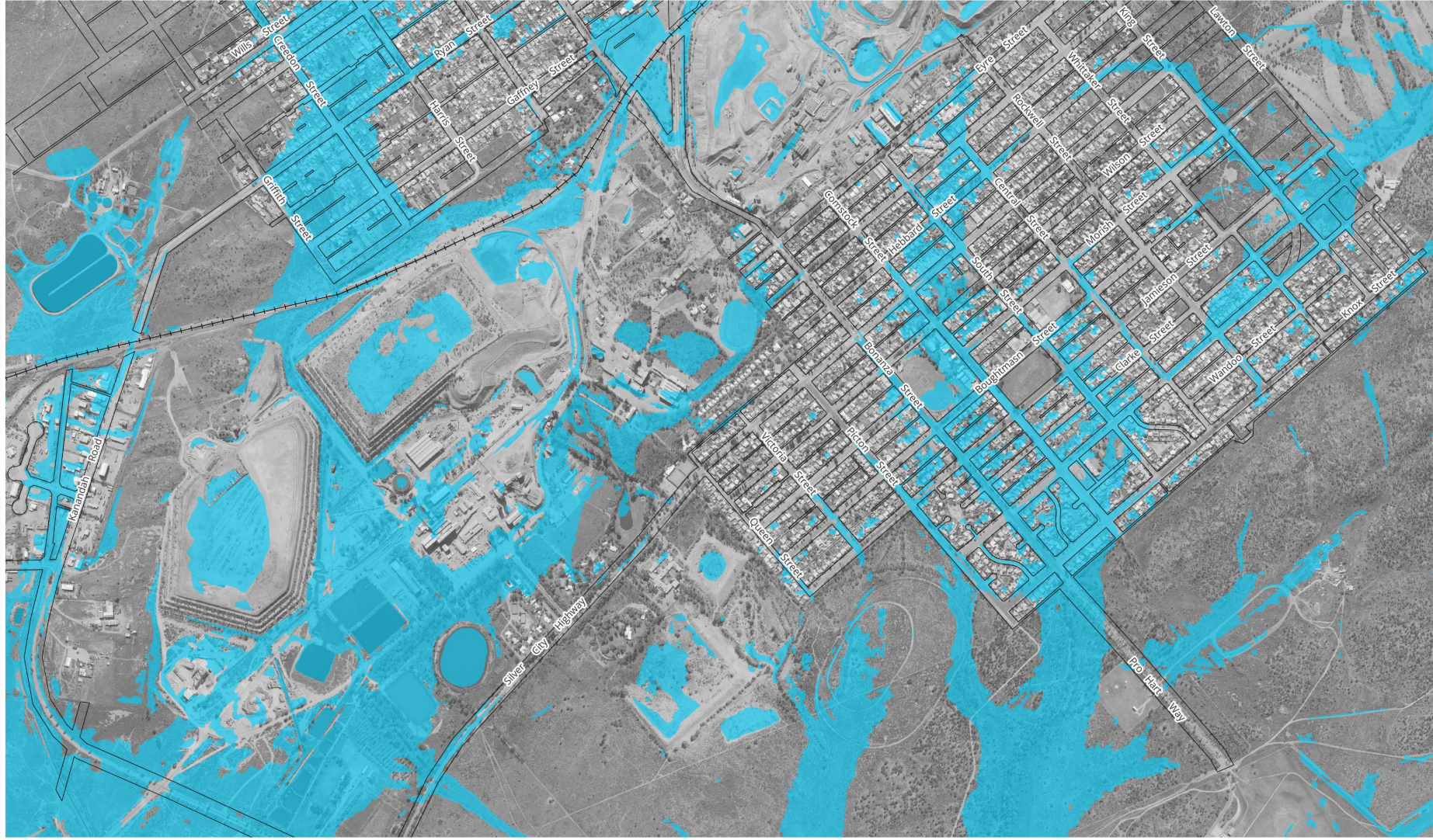
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Filepath: Z:\Projects\T2422_Broken_Hill\GIS\T2422_G-01_C_FPA.qgz

0 300 600 m

approx. scale





Legend

- Model Extent
- Flood Planning Area



Title:
**Flood Planning Area
Map D**

Figure:
G-01.D
Revision:
A

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Filepath: Z:\Projects\T2422_Broken_Hill\GIS\T2422_G-01_D_FPA.qgz

0 300 600 m
approx. scale



Map Series H - Flood Emergency Response Classification

Figure No.	Map Series A – Model Sensitivity Tests
H-01.A	Flood Emergency Response Classification - View A
H-01.B	Flood Emergency Response Classification - View B
H-01.C	Flood Emergency Response Classification - View C
H-01.D	Flood Emergency Response Classification - View D