BLAYNEY
FLOOD STUDY UPDATE

FEBRUARY 2026

DRAFT REPORT FOR CLIENT REVIEW

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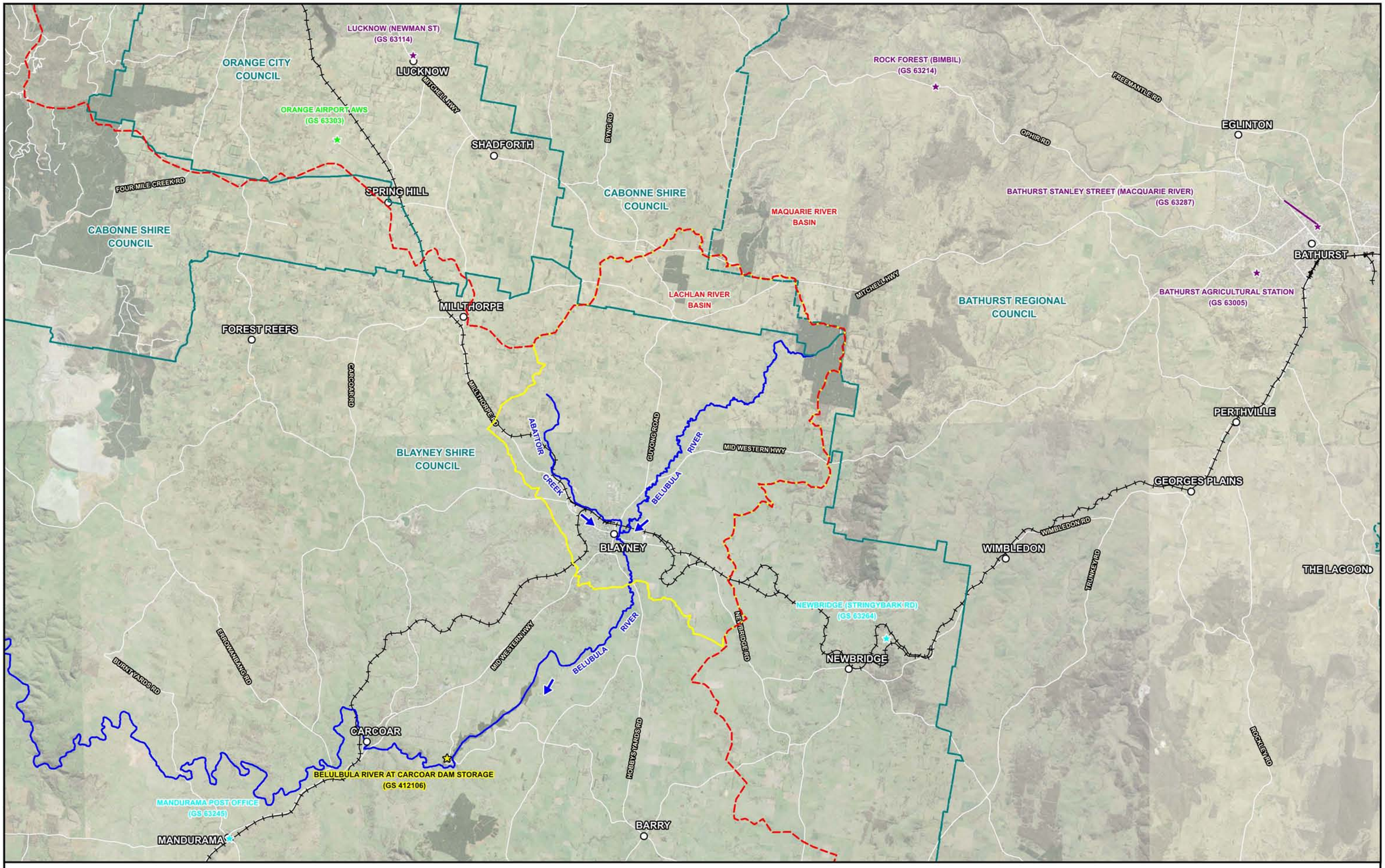
LIST OF MAIN REPORT FIGURES


LUCKNOW (NEWMAN ST)
(GS 63114)
LUCKNOW
ORANGE CITY COUNCIL
MITCHELL HWY
ORANGE AIRPORT AWS
(GS 63303)
SHADFORTH
BYNG RD
ROCK FOREST (BIMBIL)
(GS 63214)
FREEMANTLE RD
OPHIR RD
EGLINTON
FOUR MILE CREEK RD
SPRING HILL
CABONNE SHIRE COUNCIL
MAQUARIE RIVER BASIN
BATHURST STANLEY STREET (MACQUARIE RIVER)
(GS 63287)
BATHURST
CABONNE SHIRE COUNCIL
MILLTHORPE
LACHLAN RIVER BASIN
MITCHELL HWY
BATHURST REGIONAL COUNCIL
BATHURST AGRICULTURAL STATION
(GS 63005)
FOREST REEFS
CARCOAR RD
MILLTHORPE CK
ABATTOR CREEK
GUYONG ROAD
BELUBULA RIVER
MID WESTERN HWY
PERTHVILLE
BLAYNEY SHIRE COUNCIL
GEORGES PLAINS
BLAYNEY
WIMBLEDON RD
WIMBLEDON
TRUNKEY RD
THE LAGOON
NEWBRIDGE (STRINGYBARK RD)
(GS 63264)
NEW BRIDGE RD
NEWBRIDGE
ERROWANBANG RD
BURNT YARDS RD
MID WESTERN HWY
BELUBULA RIVER
CARCOAR
HOBBYS YARDS RD
ROCKLEY RD
BELULBULA RIVER AT CARCOAR DAM STORAGE
(GS 412106)
MANDURAMA POST OFFICE
(GS 63245)
MANDURAMA
BARRY
N
1.5 0 1.5 3 4.5 km
Scale: 1:150,000
LEGEND
River Basin Catchment
LGA Boundary
WaterNSW Rain Gauge
Catchment Boundary
BoM AWS Rain Gauge
BoM FWN Rain Gauge
BoM Daily Rain Gauge
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BLAYNEY
FLOOD STUDY UPDATE
Figure 1.1
LOCATION PLAN

CABONNE SHIRE COUNCIL

ORANGE CITY COUNCIL

CABONNE SHIRE COUNCIL

BLAYNEY SHIRE COUNCIL

BATHURST REGIONAL COUNCIL

MAIN WESTERN RAILWAY

MILLTHORPE

MILLTHORPE RD

CARCOAR RD

MITCHELL HWY

ABATTOIR CREEK

BELUBULA RIVER

GUYONG RD

MID WESTERN HWY

BROWNS CREEK RD

EXTENT OF 20 km² CATCHMENT CONTRIBUTING TO FLOW IN ABATTOIR CREEK AT ITS CONFLUENCE WITH THE BELUBULA RIVER

BLAYNEY

NEWBRIDGE RD

EXTENT OF ADDITIONAL 14 km² CATCHMENT CONTRIBUTING TO FLOW IN THE BELUBULA RIVER AT THE HOBBYS YARDS ROAD

EXTENT OF 125 km² CATCHMENT CONTRIBUTING TO FLOW IN THE BELUBULA RIVER AT ITS CONFLUENCE WITH ABATTOIR CREEK

DEMONDRILLE RAILWAY

BLAYNEY

MID WESTERN HWY

BELUBULA RIVER

HOBBYS YARDS RD

MAIN WESTERN RAILWAY

WIMBLEDON

WIMBLEDON RD

NEWBRIDGE (STRINGYBARK RD) (GS 63264)

N

800 0 800 1600 2400 m

Scale: 1:80,000

LEGEND

Catchment Boundary

LGA Boundary

BoM FWN Rain Gauge

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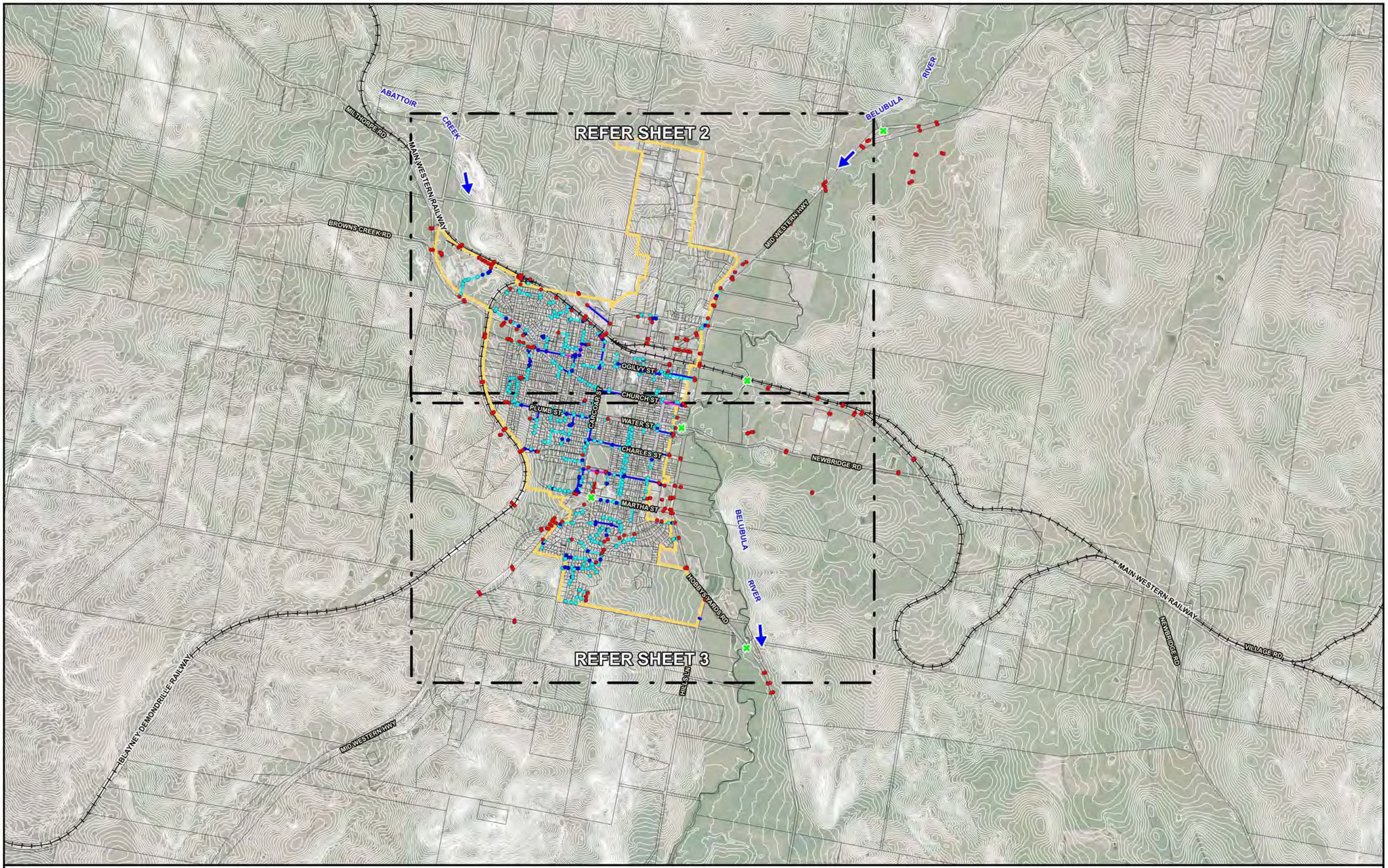
BLAYNEY FLOOD STUDY UPDATE

Figure 2.1

CATCHMENT PLAN



N

300 0 300 600 900 m

Scale: 1:30,000

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LEGEND

- Inlet Pit
- Junction Pit
- Headwall
- Bridge
- Urban Centre
- Pipe < 300 mm Diameter
- Pipe ≥ 300 mm and < 450 mm Diameter
- Pipe ≥ 450 mm Diameter
- Box Culvert

BLAYNEY
FLOOD STUDY UPDATE

Figure 2.2
(Sheet 1 of 3)

EXISTING STORMWATER DRAINAGE SYSTEM

N

100 0 100 200 300 m

Scale: 1:10,000

LEGEND

- Inlet Pit
- Junction Pit
- Headwall
- Bridge
- Pipe < 300 mm Diameter
- Pipe > 300 mm and < 450 mm Diameter
- Pipe > 450 mm Diameter
- Box Culvert
- Urban Centre

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BLAYNEY
FLOOD STUDY UPDATE

Figure 2.2
(Sheet 2 of 3)

EXISTING STORMWATER DRAINAGE SYSTEM

JOINS SHEET 2

MARSH ST
PLUMB ST
STARR PL
PERCY ST
CARCOAR ST
BLAYNEY HIGH SCHOOL
OSMAN ST
ADELAIDE ST
HENRY ST
PIGGOTT PL
MAPLE CR
ROWLANDS ST
AMOS AV
KING GEORGE VI OVAL
QUEEN ST
CHARLES ST
NEWBRIDGE RD
LOWER FARM ST
STILLINGFLEET ST
MORRIS ST
HERITAGE PARK
MARTHA ST
MEDWAY ST
SOMERS PL
ATHOL ST
CHARLES ST
TERRACONG ST
POLONA ST
LOVEJOY AV
NAPIER ST
PRICES LN
BELUBULA RIVER
BLAYNEY DEMONDRILLE RAILWAY
MID WESTERN HWY
ST VINCENT WELSH WAY
BLAYNEY SEWAGE TREATMENT PLANT
LUCKS LN
HOBBYS YARDS RD

N

100 0 100 200 300 m

Scale: 1:10,000

Lyall & Associates

LEGEND

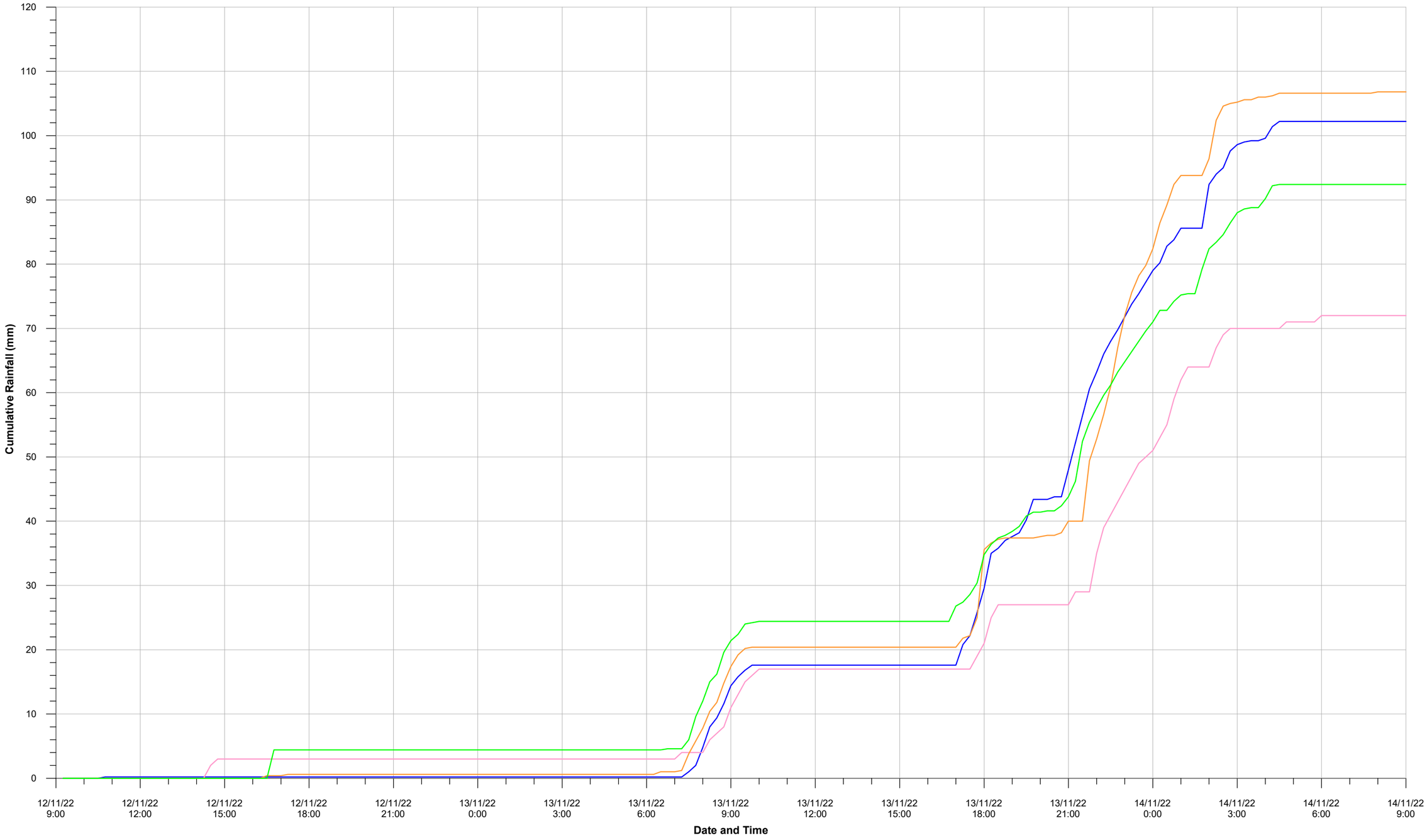
- Inlet Pit
- Junction Pit
- Headwall
- Bridge
- Pipe < 300 mm Diameter
- Pipe > 300 mm and < 450 mm Diameter
- Pipe > 450 mm Diameter
- Box Culvert
- Urban Centre

BLAYNEY
FLOOD STUDY UPDATE

Figure 2.2
(Sheet 3 of 3)

EXISTING STORMWATER DRAINAGE SYSTEM

CUMULATIVE RAINFALL
13-14 NOVEMBER 2022



LEGEND

- Mandurama Post Office (GS 63245)
- Newbridge (Stringbark Road) (GS 63264)
- Orange Airport AWS (GS 63303)
- Belubula River at Carcoar Dam (GS 412106)

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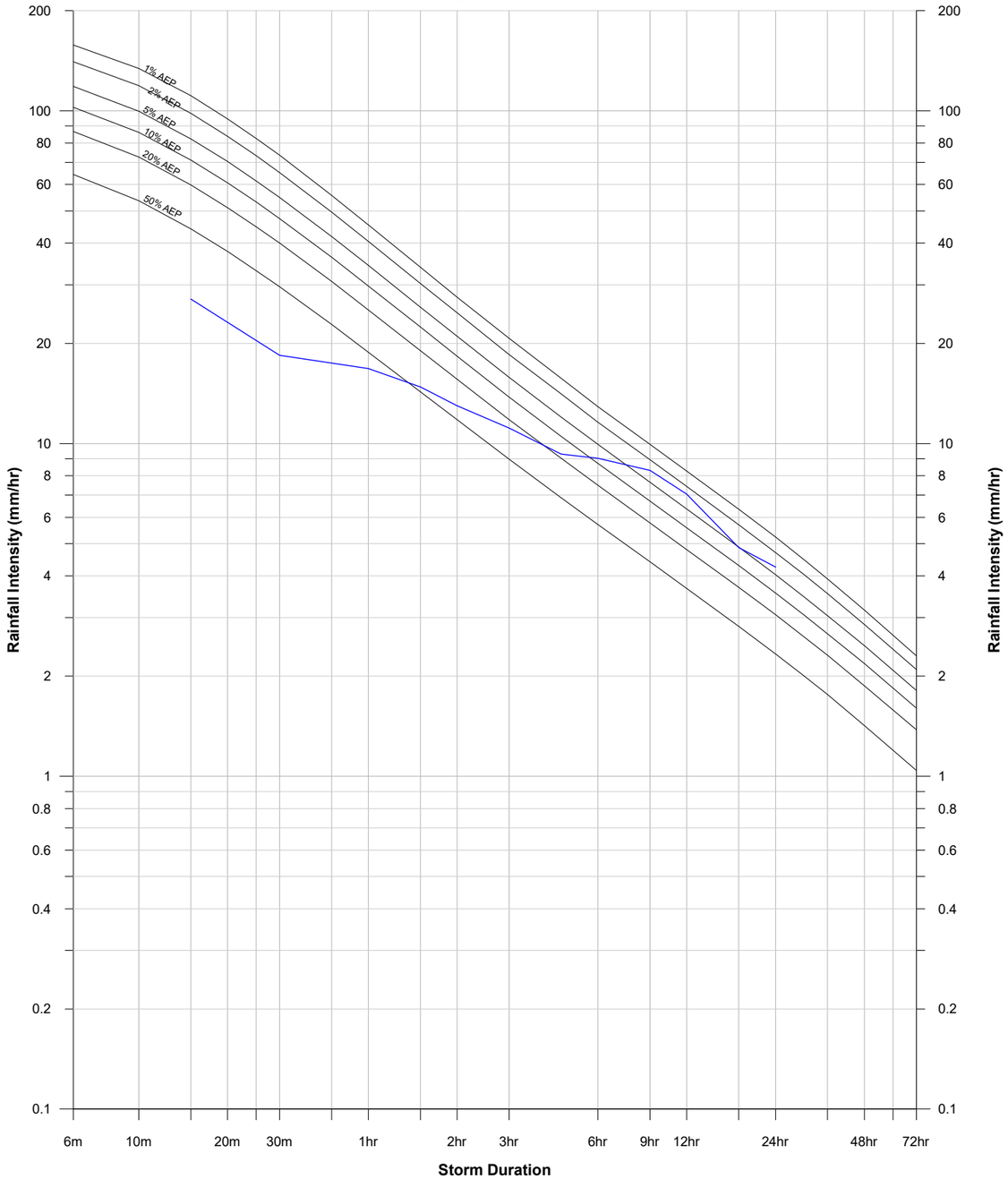
BLAYNEY
FLOOD STUDY UPDATE

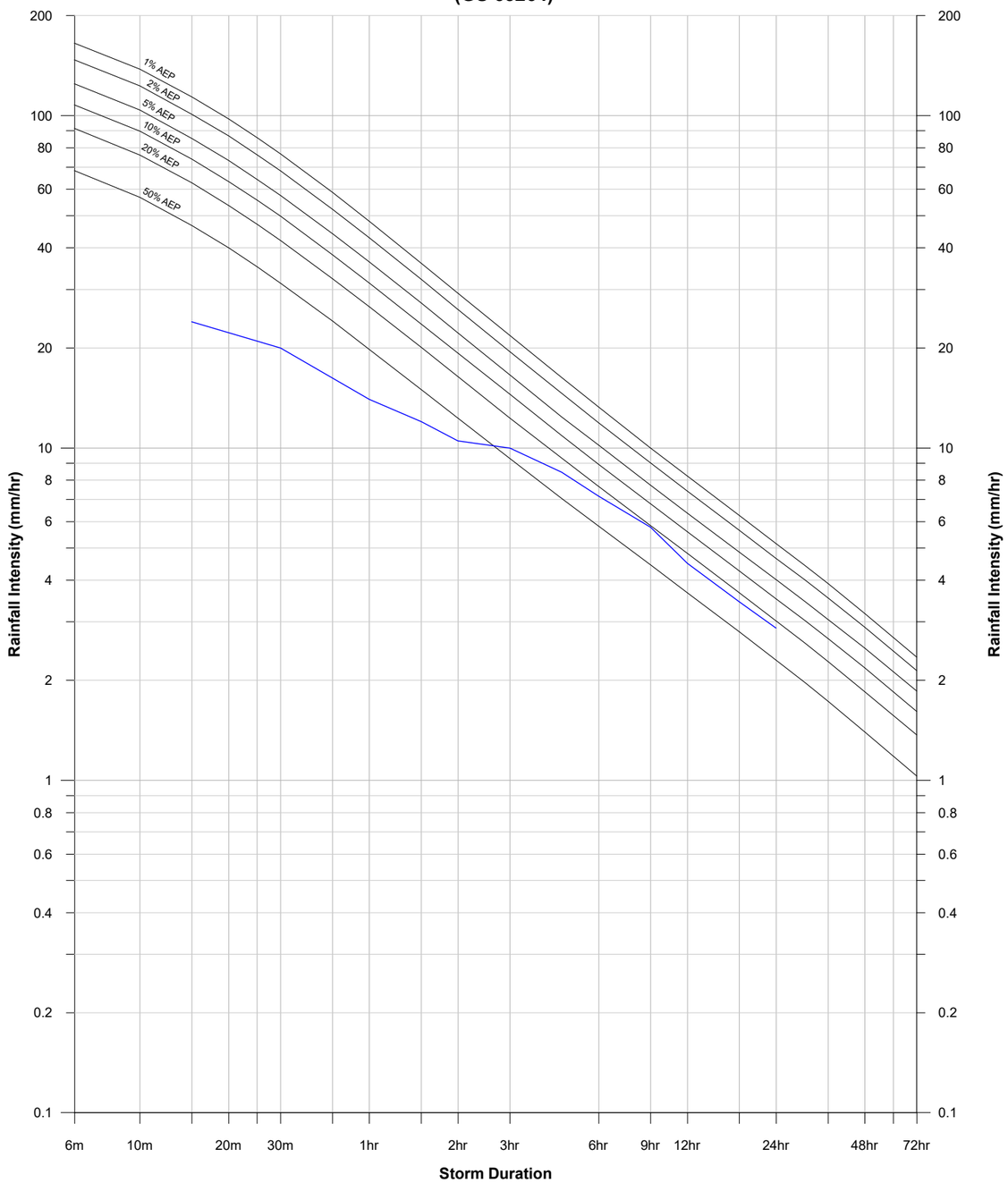
Figure 2.3

CUMULATIVE RAINFALL
NOVEMBER 2022 STORM EVENT

MANDURAMA POST OFFICE (GS 63245)



NEWBRIDGE (STRINGYBARK ROAD) (GS 63264)



LEGEND

13-14 November 2022

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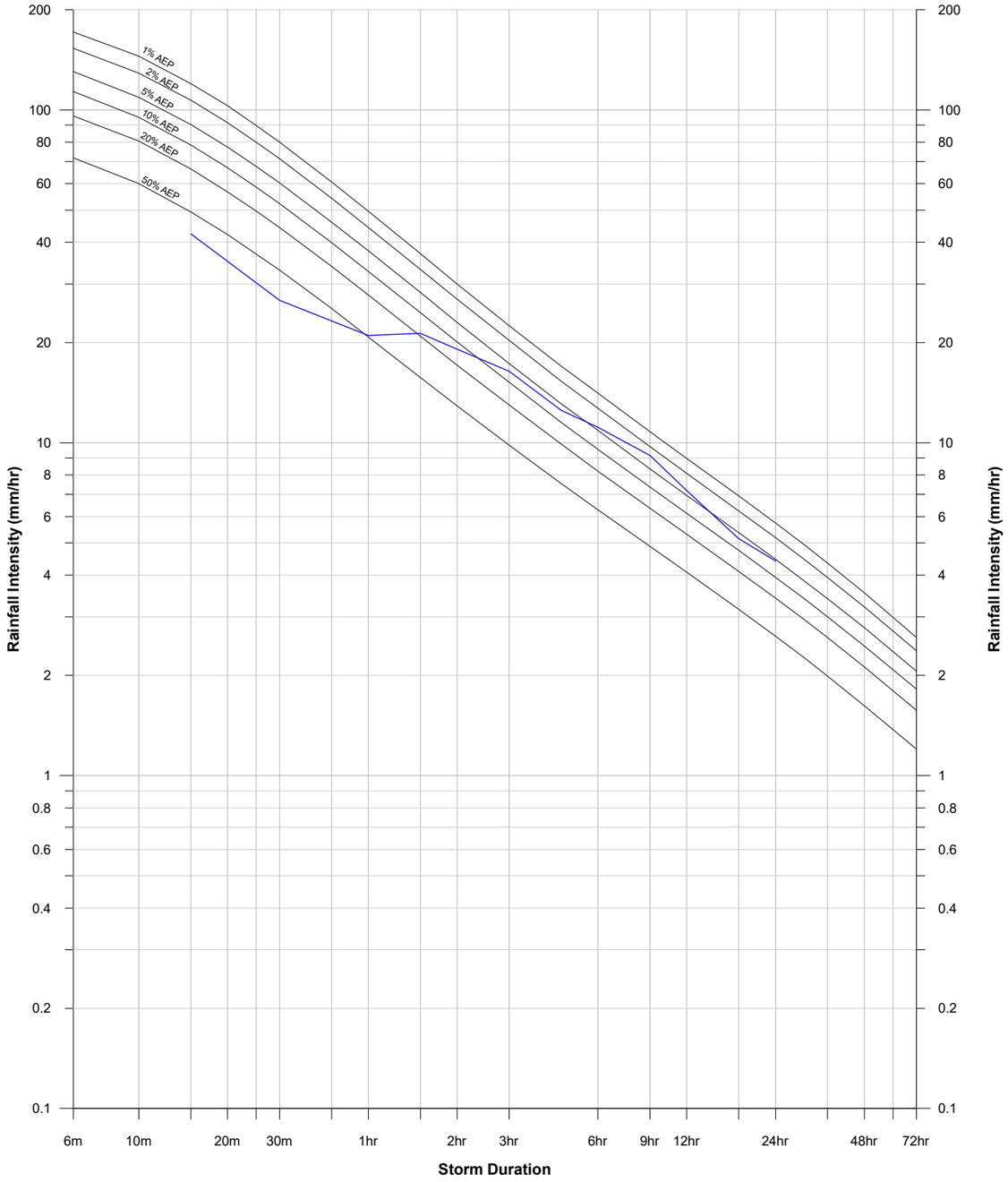
BLAYNEY FLOOD STUDY

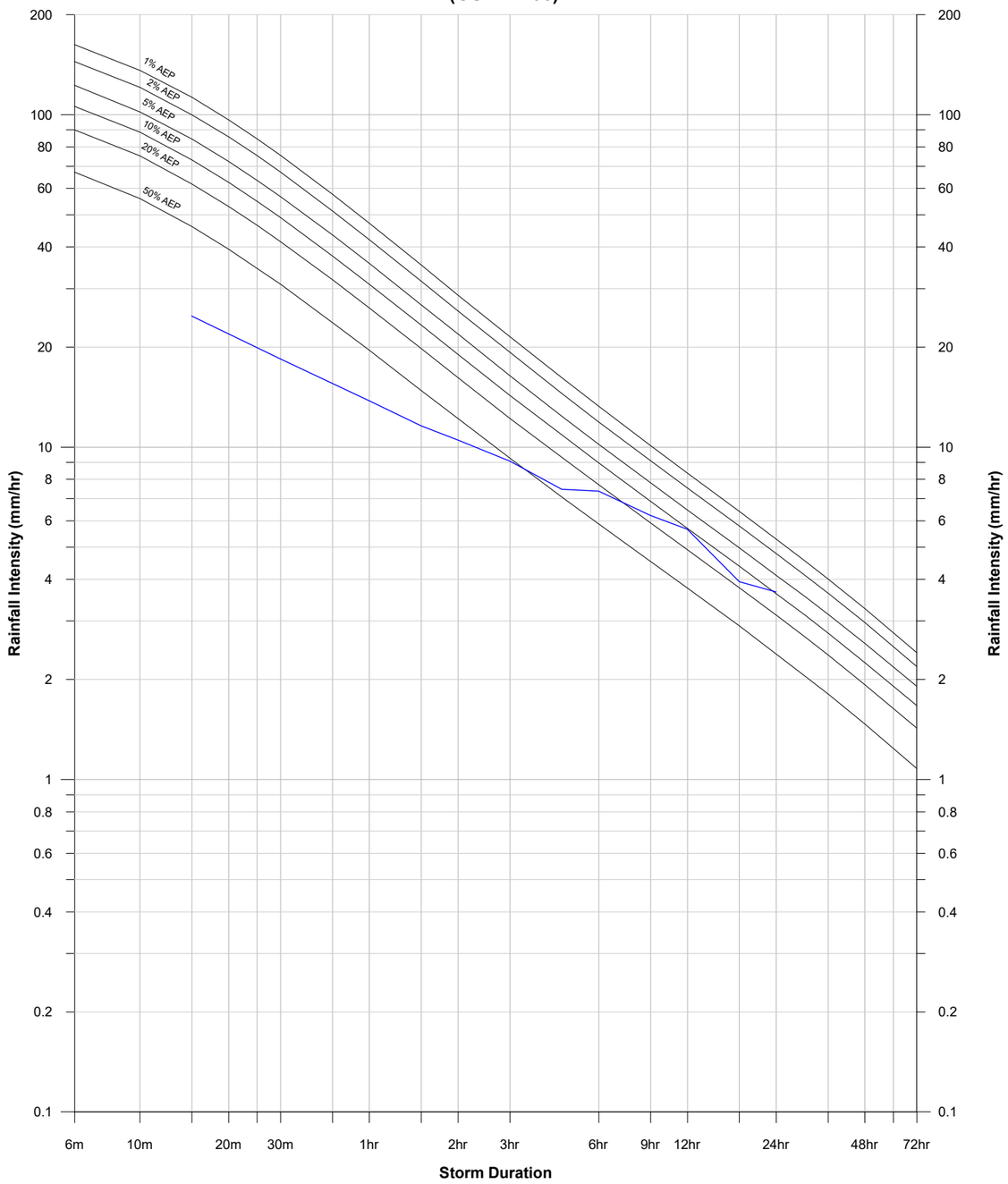
Figure 2.4
(Sheet 1 of 2)

INTENSITY-FREQUENCY-DURATION CURVES
NOVEMBER 2022 STORM EVENT

ORANGE AIRPORT AWS
(GS 63303)



BELUBULA RIVER AT CARCOAR DAM
(GS 412106)



LEGEND

13-14 November 2022

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BLAYNEY
FLOOD STUDY

Figure 2.4
(Sheet 2 of 2)

INTENSITY-FREQUENCY-DURATION CURVES
NOVEMBER 2022 STORM EVENT

ORANGE CITY COUNCIL

ORANGE AIRPORT AWS
(GS 63303)
106.8

CABONNE SHIRE COUNCIL

CABONNE SHIRE COUNCIL

BLAYNEY SHIRE COUNCIL

BATHURST REGIONAL COUNCIL

100

95

90

85

80

75

ABATTOIR CREEK

BELUBULA RIVER

BELUBULA RIVER

CARCOAR DAM

BELULBULA RIVER AT CARCOAR DAM STORAGE
(GS 412106)
92.4

MANDURAMA POST OFFICE
(GS 63245)
102.2

NEWBRIDGE (STRINGYBARK RD)
(GS 63264)
72

PLUVIOGRAPHIC RAINFALL DATA APPLIED TO SUB-CATCHMENTS

- Orange Airport AWS (GS 63303)
- Newbridge (Stringybark Rd) (GS 63264)
- Belubula River at Carcoar (GS 412106)
- Dam Storage

N

1500 0 1500 3000 4500 m

Scale: 1:150,000

LEGEND

- BoM AWS Rain Gauge and Recorded Depth (mm)
- BoM FWN Rain Gauge and Recorded Depth (mm)
- WaterNSW Pluviographic Rain Gauge and Recorded Data (mm)
- Study Catchment
- Sub-catchment Boundary
- 80 Total Rainfall Depth
- LGA Boundary

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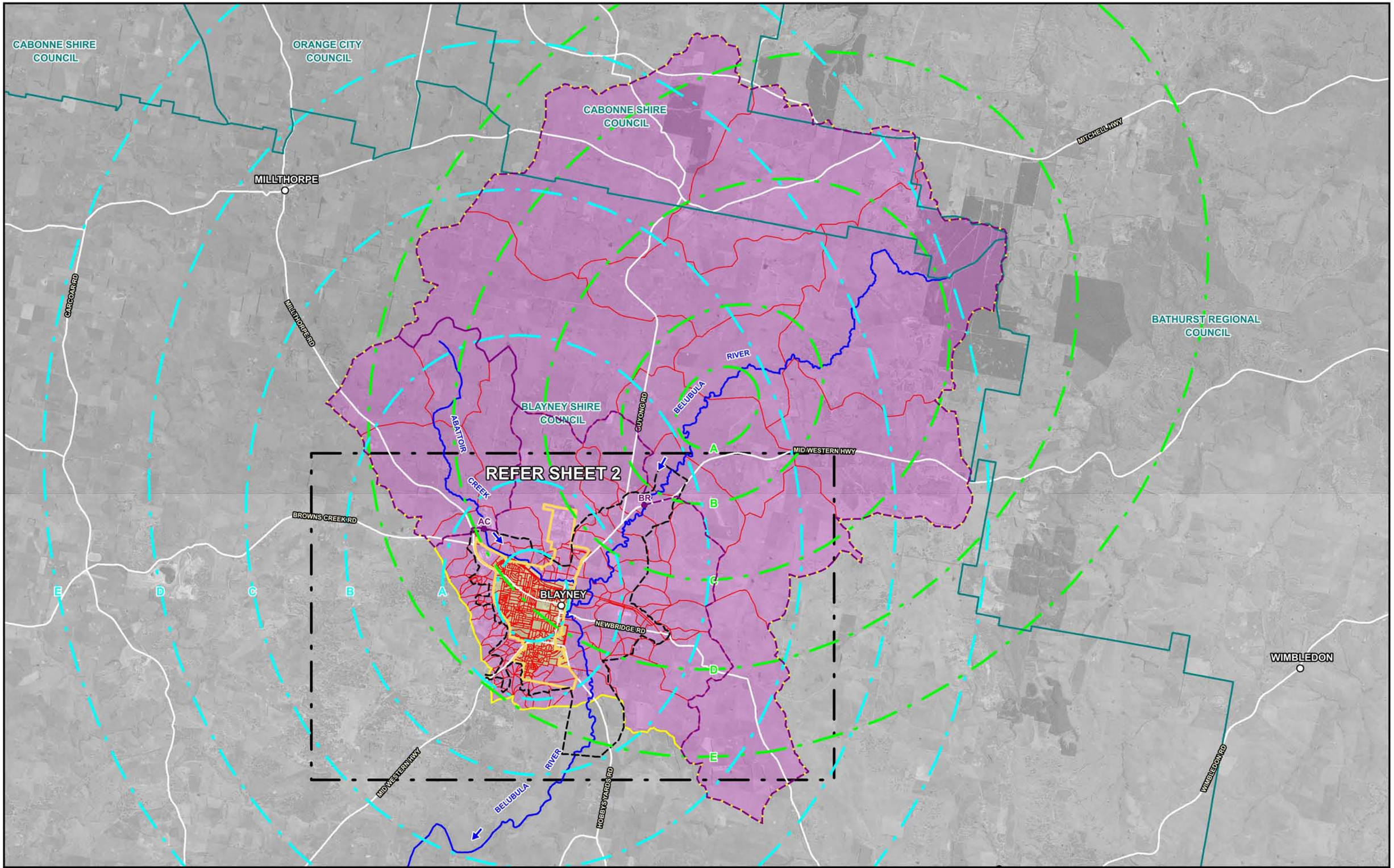
BLAYNEY FLOOD STUDY UPDATE

Figure 2.5

ISOHYETAL MAP
RAIN DAYS OF 13-14 NOVEMBER 2022



N

800 0 800 1600 2400 m

Scale: 1:80,000

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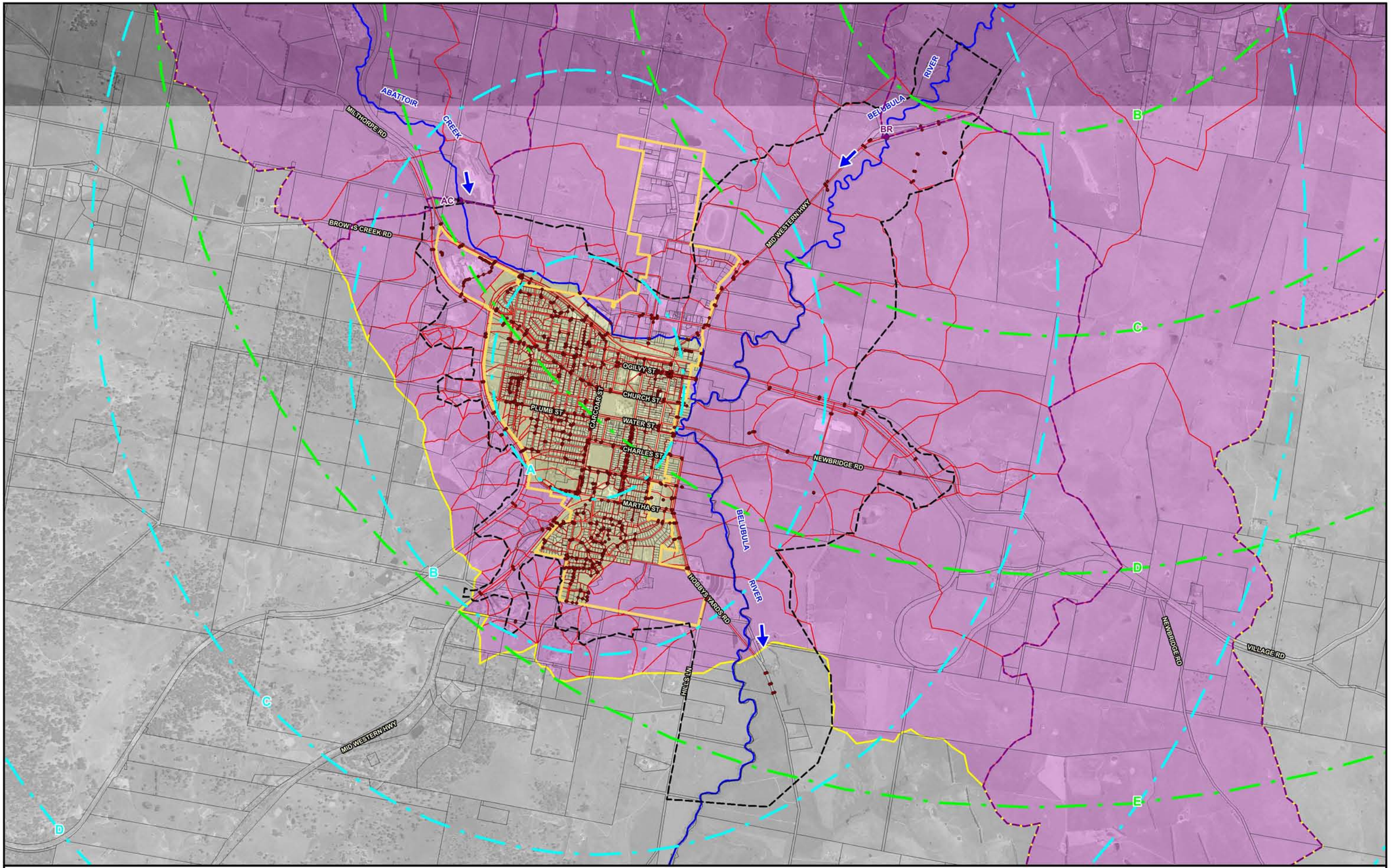
LEGEND

- Study Catchment
- Two-Dimensional Model Boundary
- PMP Ellipse Allignment 1
- PMP Ellipse Allignment 2
- Urban Centre
- RAFTS Modelled Sub-Catchment
- IL-CL Modelled Sub-Catchment
- LGA Boundary
- AC — Peak Flow Comparison Catchment and Location

BLAYNEY FLOOD STUDY UPDATE

Figure 3.1
(Sheet 1 of 2)

BLAYNEY DRAINS MODEL LAYOUT



N

300 0 300 600 900 m

Scale: 1:30,000

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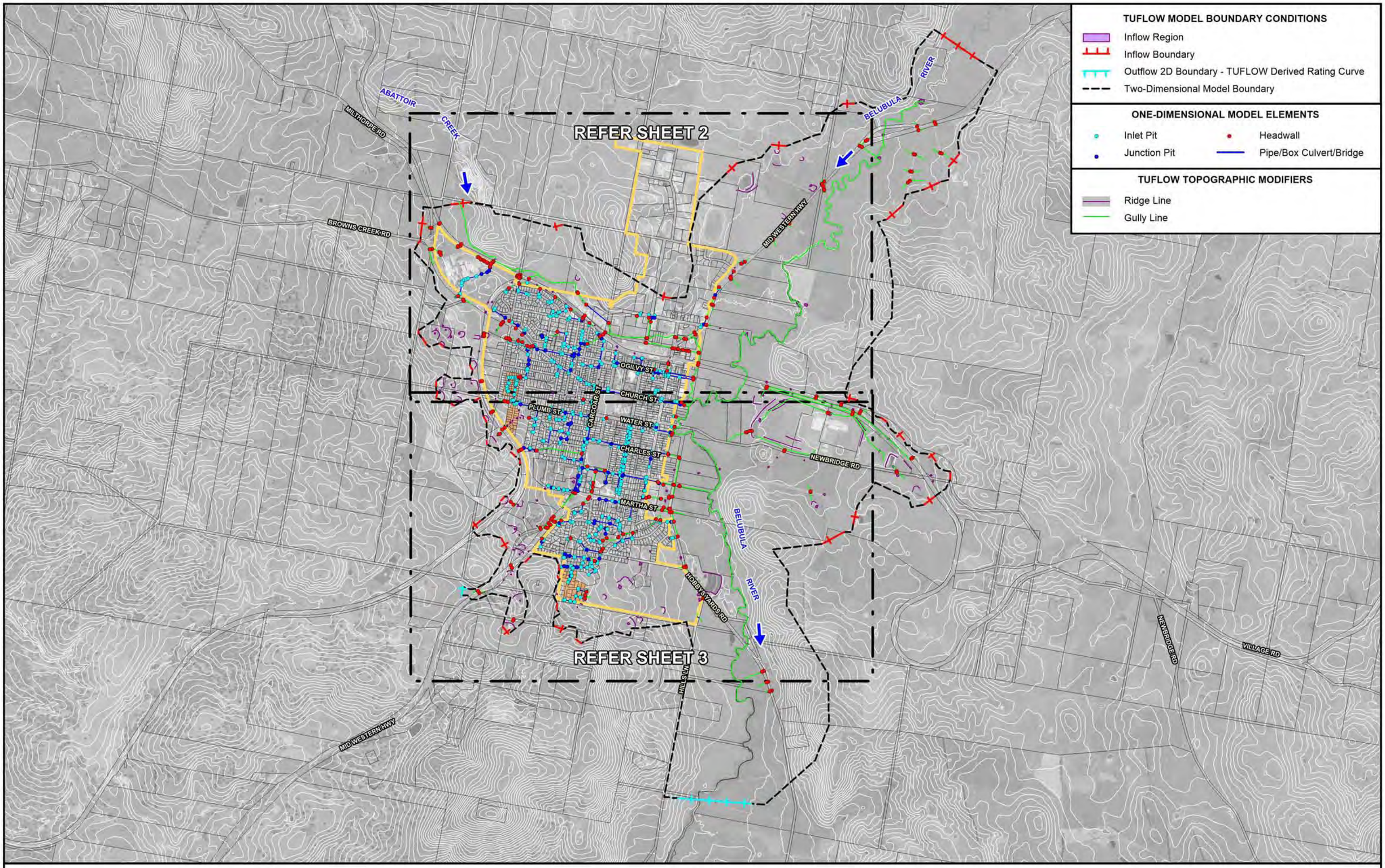
LEGEND

- Study Catchment
- Two-Dimensional Model Boundary
- PMP Ellipse Allignment 1
- PMP Ellipse Allignment 2
- Urban Centre
- RAFTS Modelled Sub-Catchment
- IL-CL Modelled Sub-Catchment
- Modelled Stormwater Drainage System
- AC — Peak Flow Comparison Catchment and Location

BLAYNEY
FLOOD STUDY UPDATE

Figure 3.1
(Sheet 2 of 2)

BLAYNEY DRAINS MODEL LAYOUT



N

300 0 300 600 900 m

Scale: 1:30,000

LEGEND

Urban Centre

Extent of Drone Based LiDAR Survey Data

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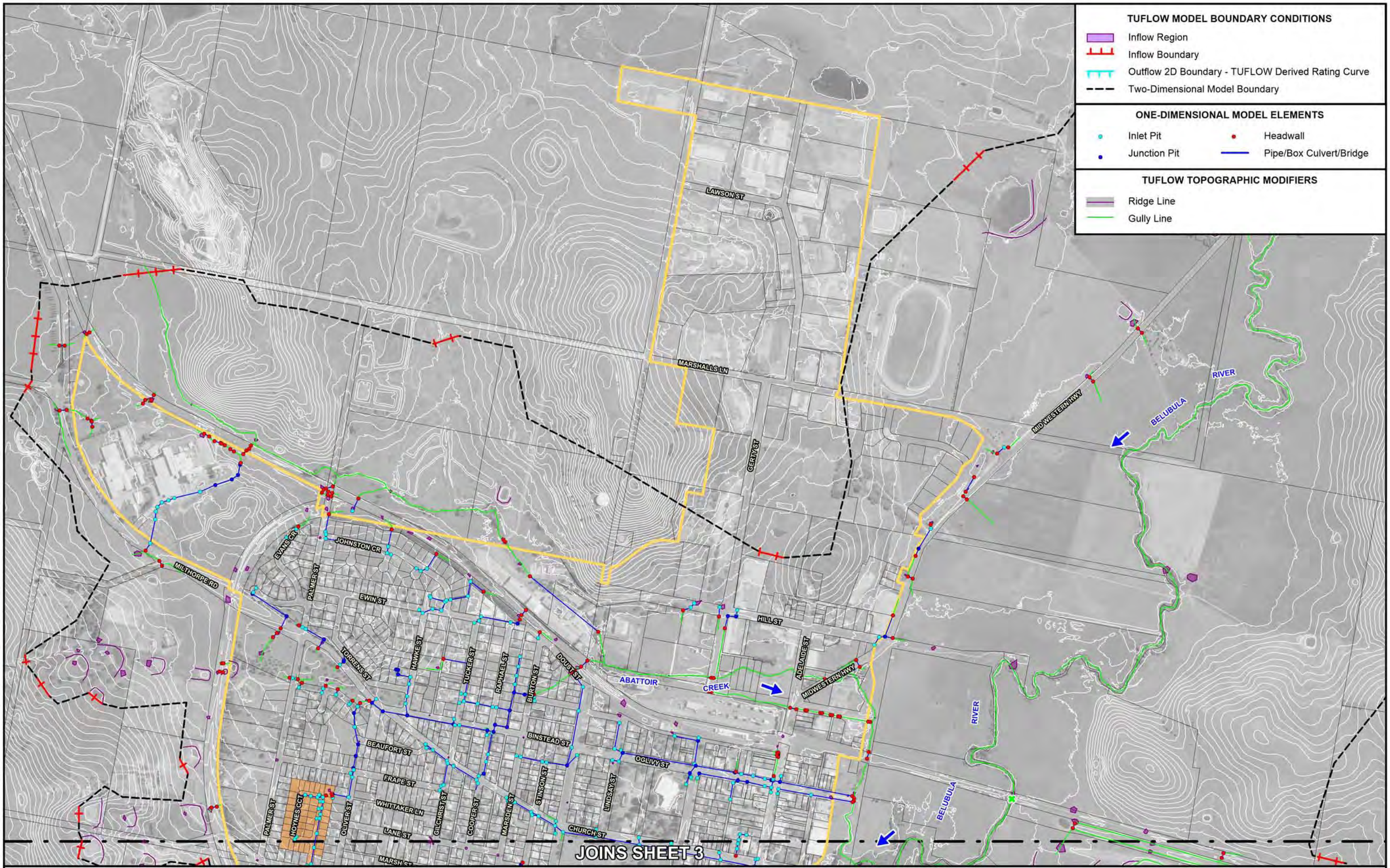
BLAYNEY
FLOOD STUDY UPDATE

Figure 4.1
(Sheet 1 of 3)

BLAYNEY TUFLOW MODEL LAYOUT



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BLAYNEY
FLOOD STUDY UPDATE

Figure 4.1
(Sheet 2 of 3)

BLAYNEY TUFLOW MODEL LAYOUT

JOINS SHEET 2

MARSH ST
PLUMB ST
STARR PL
PERCY ST
CARCOAR ST
OSMAN ST
ADELAIDE ST
HENRY ST
PIGGOTT PL
MAPLE CR
ROWLANDS ST
AMOS AV
CHARLES ST
QUEEN ST
ADELAIDE LN
NEWBRIDGE RD
STILLINGFLEET ST
LOVER FARM ST
MORRIS ST
MARTHA ST
MEDWAY ST
SOMERS PL
ATHOL ST
TERRACONIA ST
POLONA ST
LOVEJOY AV
NAPIER ST
PRICES LN
BELUBULA RIVER
MID WESTERN HWY
ST VINCENT WELSH WAY
LUCKS LN
HOBBYS YARDS RD

TUFLOW MODEL BOUNDARY CONDITIONS

- Inflow Region
- Inflow Boundary
- Outflow 2D Boundary - TUFLOW Derived Rating Curve
- Two-Dimensional Model Boundary

ONE-DIMENSIONAL MODEL ELEMENTS

- Inlet Pit
- Junction Pit
- Headwall
- Pipe/Box Culvert/Bridge

TUFLOW TOPOGRAPHIC MODIFIERS

- Ridge Line
- Gully Line

N

100 0 100 200 300 m

Scale: 1:10,000

LEGEND

- Urban Centre
- Extent of Drone Based LiDAR Survey Data

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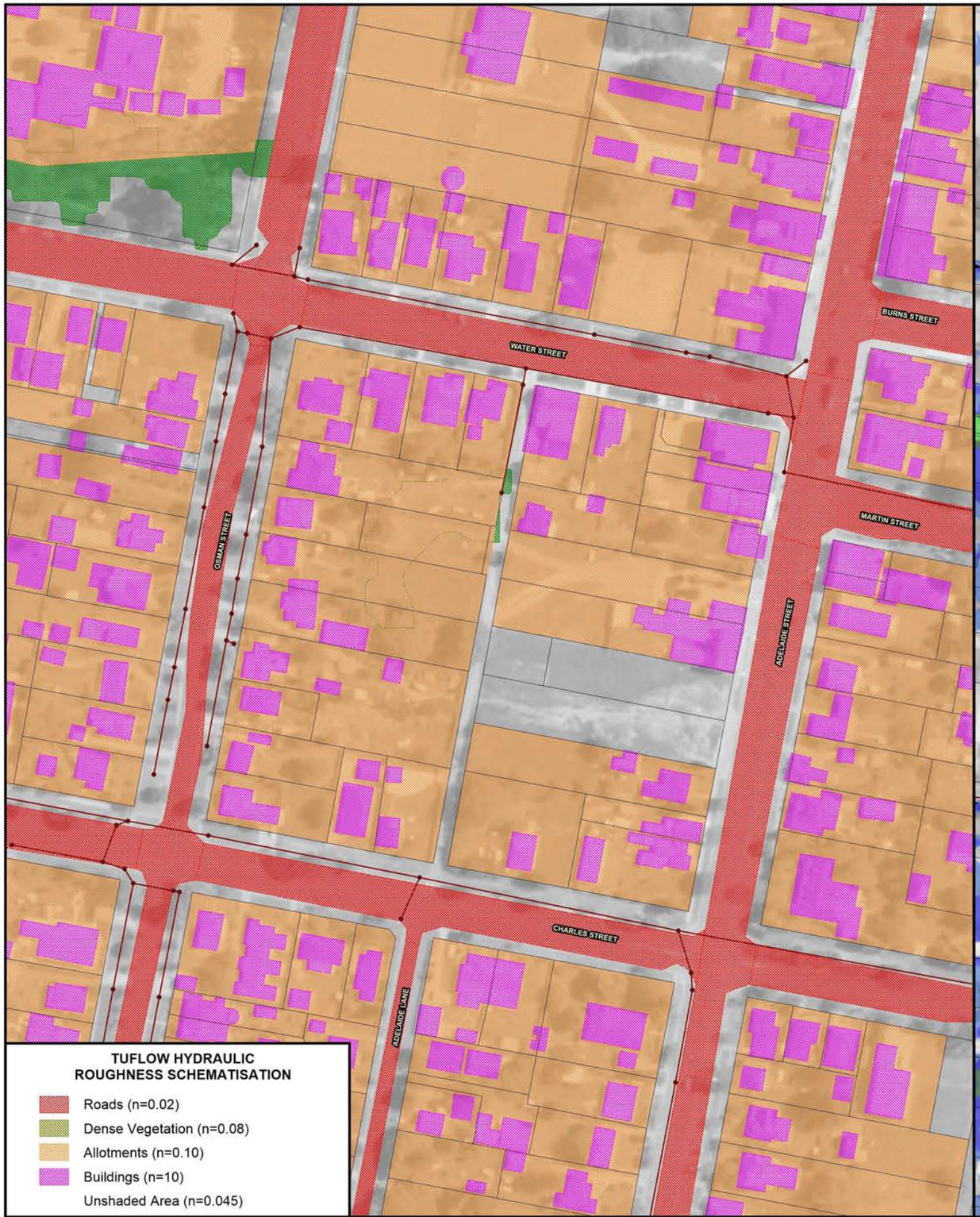
BLAYNEY
FLOOD STUDY UPDATE

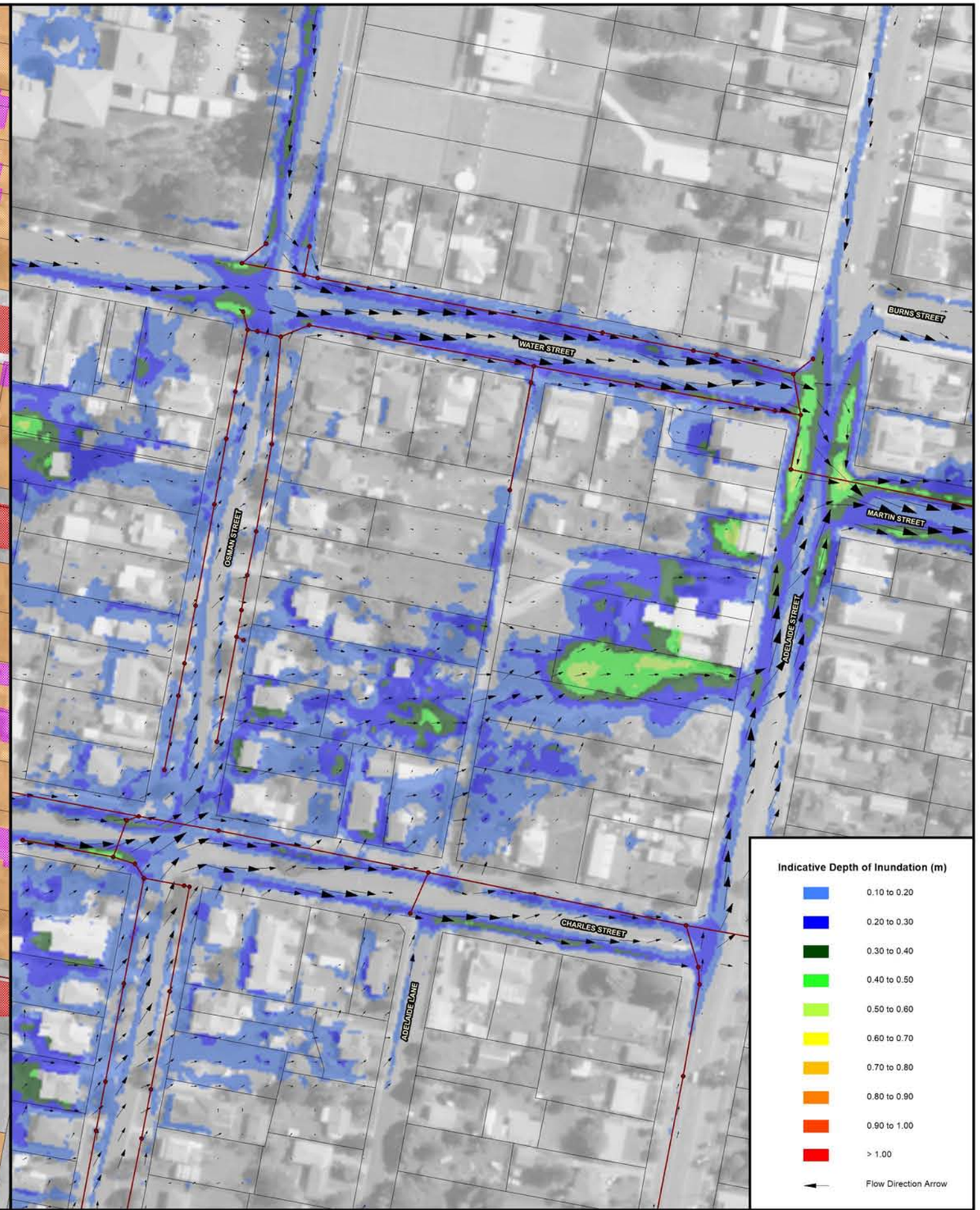
Figure 4.1
(Sheet 3 of 3)

BLAYNEY TUFLOW MODEL LAYOUT



TUFLOW HYDRAULIC ROUGHNESS SCHEMATISATION

- Roads (n=0.02)
- Dense Vegetation (n=0.08)
- Allotments (n=0.10)
- Buildings (n=10)
- Unshaded Area (n=0.045)



Indicative Depth of Inundation (m)

- 0.10 to 0.20
- 0.20 to 0.30
- 0.30 to 0.40
- 0.40 to 0.50
- 0.50 to 0.60
- 0.60 to 0.70
- 0.70 to 0.80
- 0.80 to 0.90
- 0.90 to 1.00
- > 1.00
- Flow Direction Arrow

N

20 0 20 40 60 m

Scale: 1:2,000

NOTE:
The allotment boundaries shown are based on the NSW State Database obtained from the Six Maps online database and may not represent the true property boundaries in the study area.

LEGEND

Modelled Stormwater Drainage System

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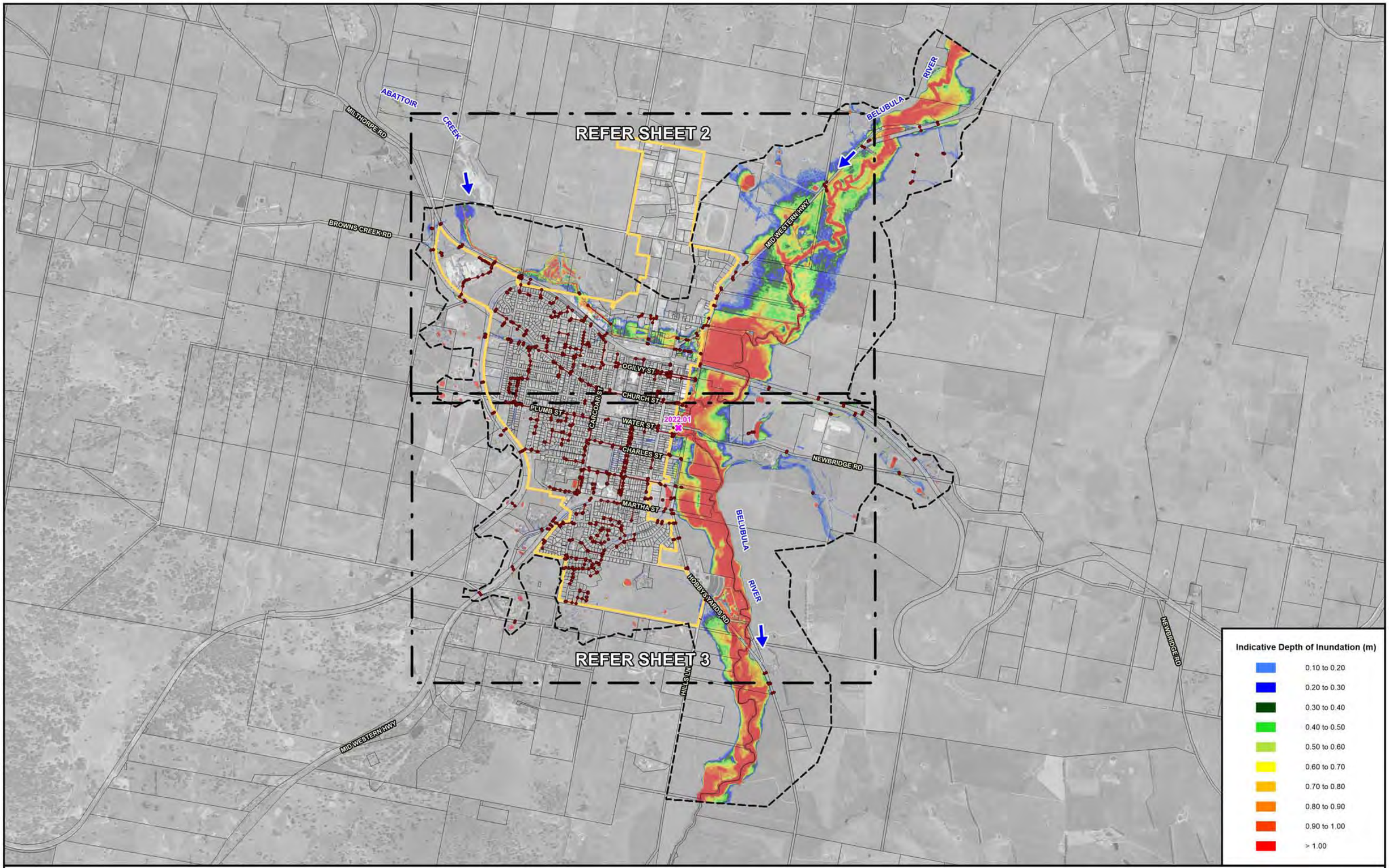
BLAYNEY
FLOOD STUDY UPDATE

Figure 4.2

TUFLOW SCHEMATISATION OF FLOODPLAIN



N

300 0 300 600 900 m

Scale: 1:30,000

Lyall & Associates

NOTE:

The ground surface model incorporated in TUFLOW is based on LiDAR survey which has been sampled on a 2 m grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.

Flood depths are therefore approximate only and require interpretation by a suitably qualified engineer to determine flooding behaviour in individual allotments. Any assessment of flooding in individual allotments may also require a site survey.

Flood depths not shown within the footprint of existing buildings.

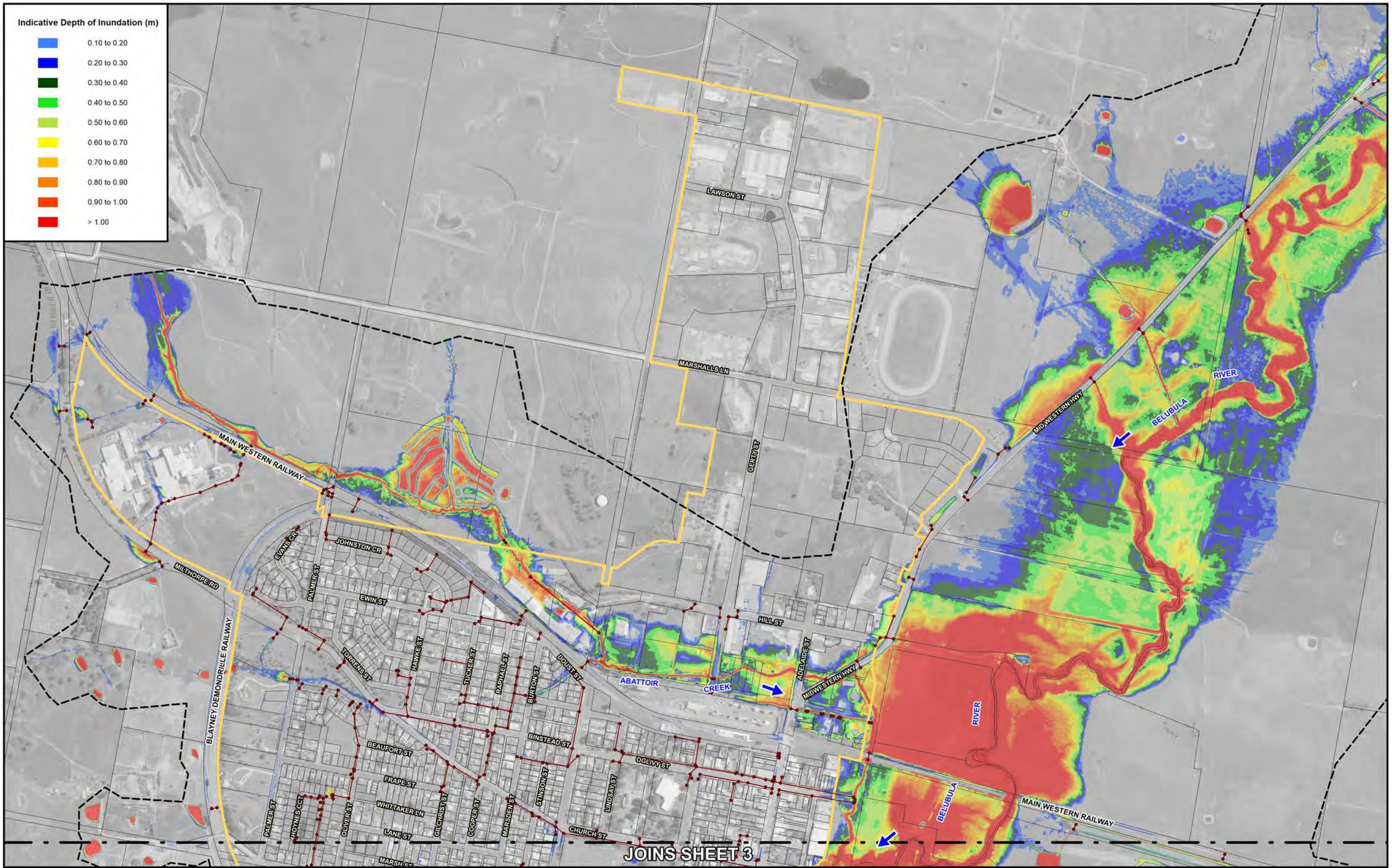
LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre
- 2022.01 Surveyed Flood Mark

BLAYNEY FLOOD STUDY UPDATE

Figure 4.3
(Sheet 1 of 3)

TUFLOW MODEL RESULTS
NOVEMBER 2022 STORM EVENT



N

100 0 100 200 300 m

Scale: 1:10,000

Lyall & Associates

NOTE:

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LEGEND

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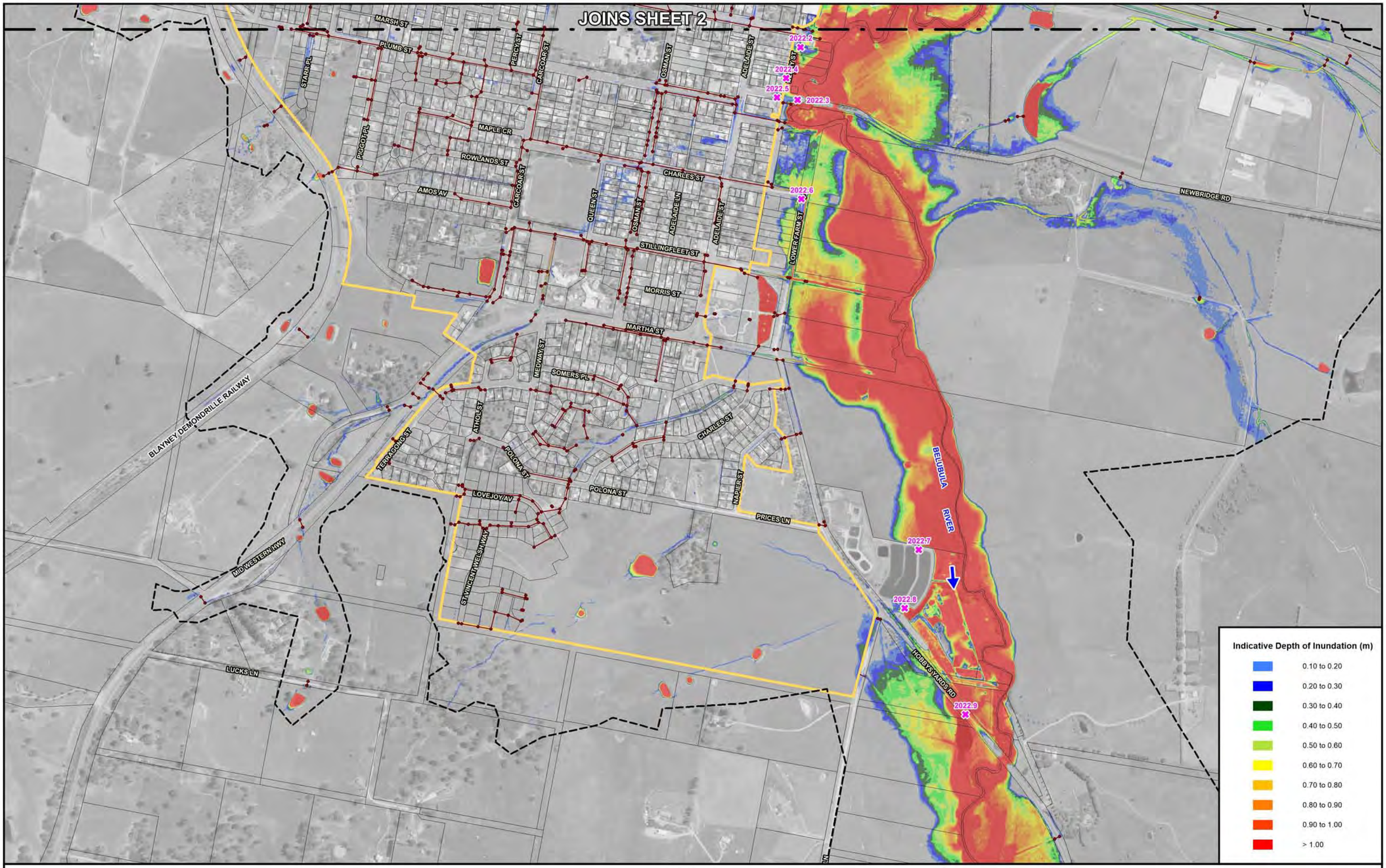
- Urban Centre
- 2022.01 Surveyed Flood Mark

BLAYNEY FLOOD STUDY UPDATE

Figure 4.3
(Sheet 2 of 3)

TUFLOW MODEL RESULTS
NOVEMBER 2022 STORM EVENT



N

100 0 100 200 300 m

Scale: 1:10,000

Lyall & Associates

NOTE:

The ground surface model incorporated in TUFLOW is based on LiDAR survey which has been sampled on a 2 m grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.

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LEGEND

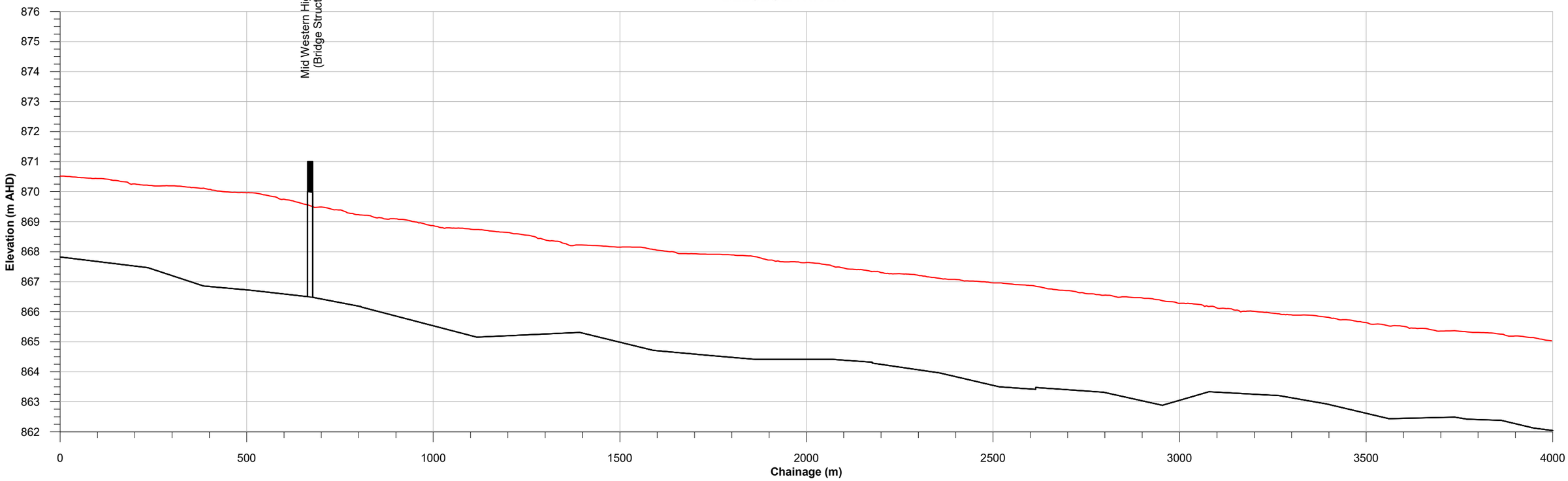
- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre
- 2022.01 Surveyed Flood Mark

BLAYNEY FLOOD STUDY UPDATE

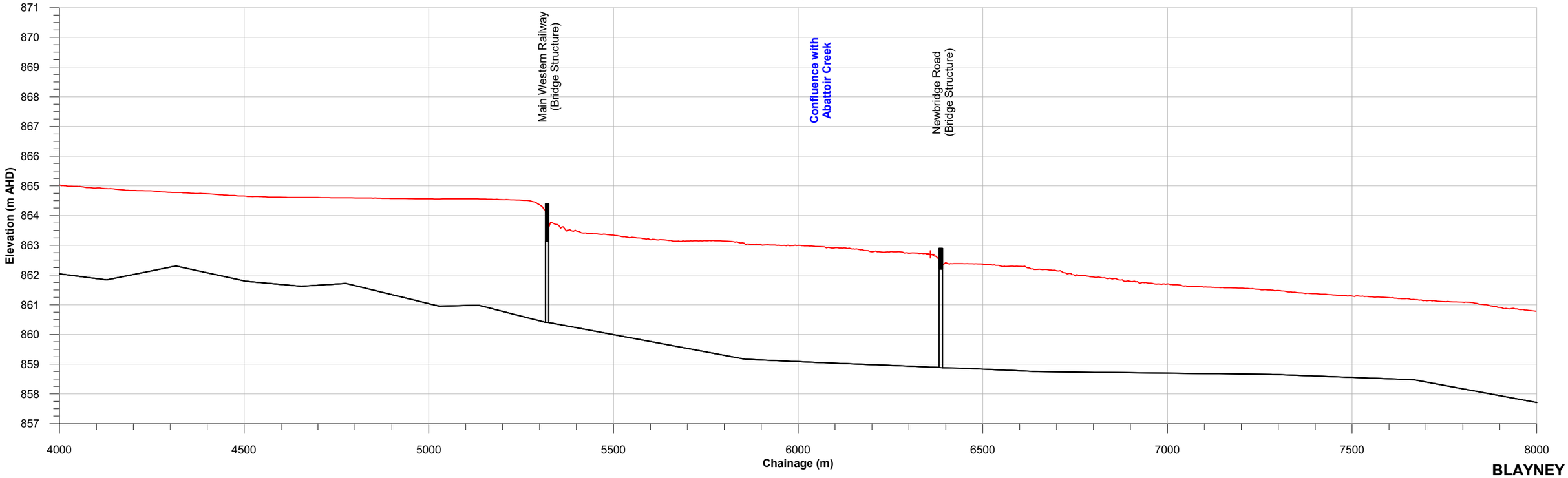
Figure 4.3
(Sheet 3 of 3)

TUFLOW MODEL RESULTS
NOVEMBER 2022 STORM EVENT

BELUBULA RIVER



BELUBULA RIVER (Continued)



LEGEND

November 2022 Flood

Recorded Flood Level

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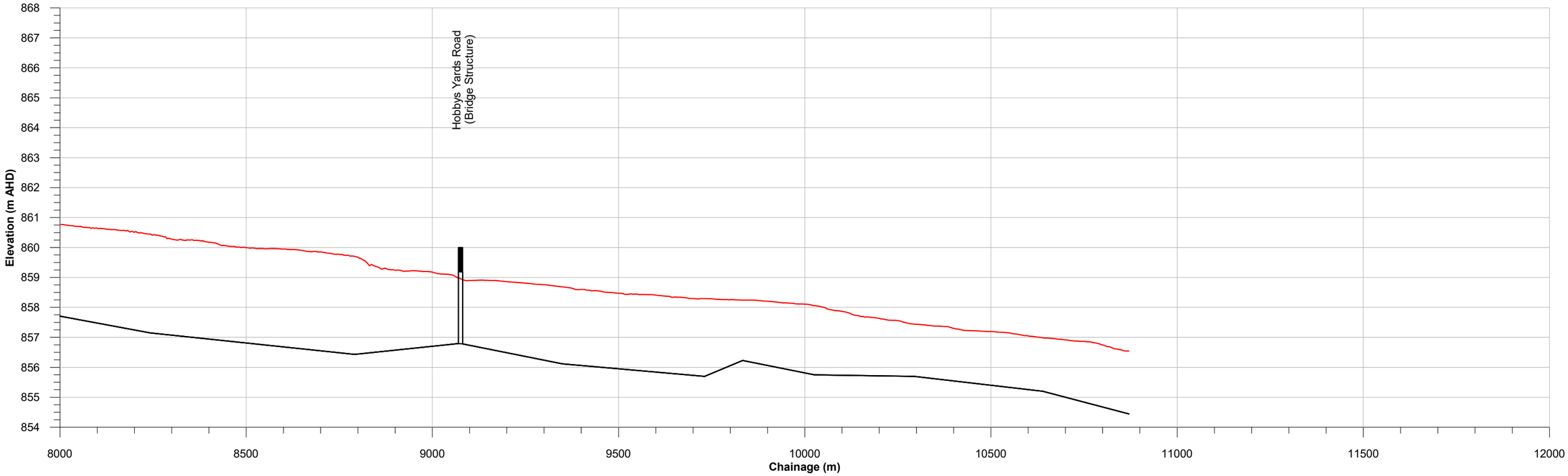
BLAYNEY
FLOOD STUDY UPDATE

Figure 4.4
(Sheet 1 of 3)

WATER SURFACE PROFILES
HISTORIC FLOOD EVENTS

BELUBULA RIVER (Continued)



LEGEND

November 2022 Flood

BLAYNEY
FLOOD STUDY UPDATE

Figure 4.4
(Sheet 2 of 3)

WATER SURFACE PROFILES
HISTORIC FLOOD EVENTS

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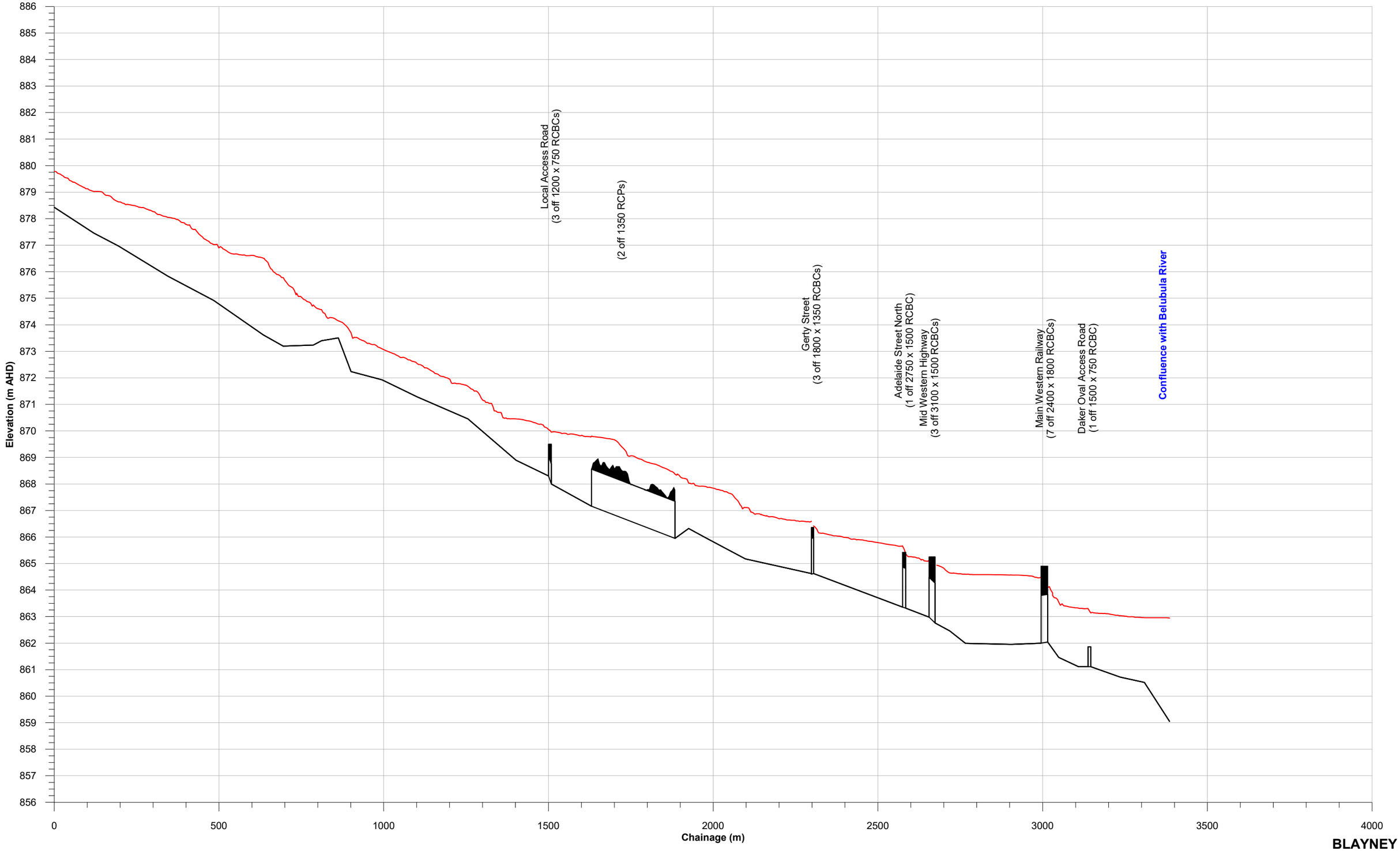
ABATTOIR CREEK



LEGEND

November 2022 Flood

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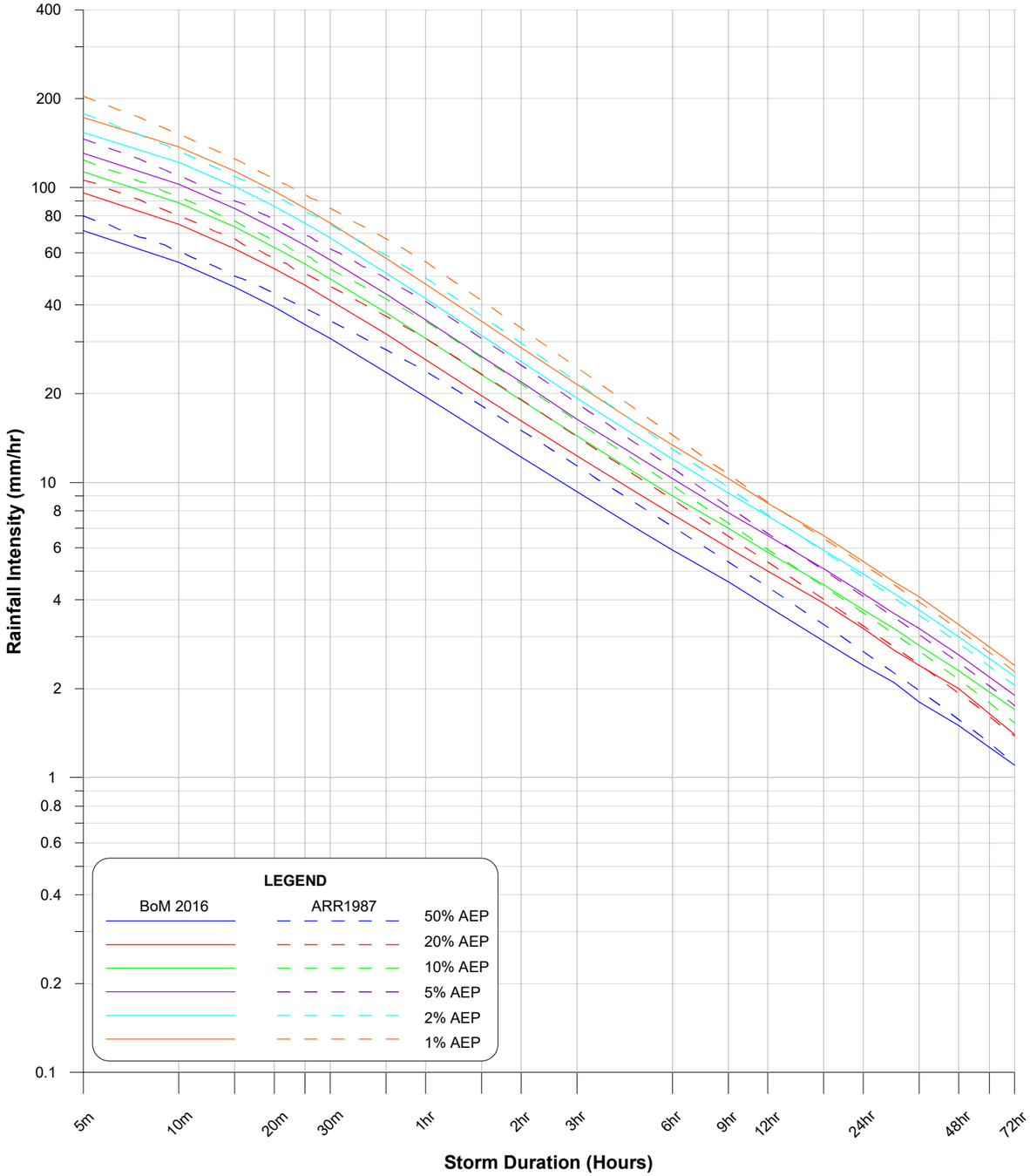
BLAYNEY
FLOOD STUDY UPDATE

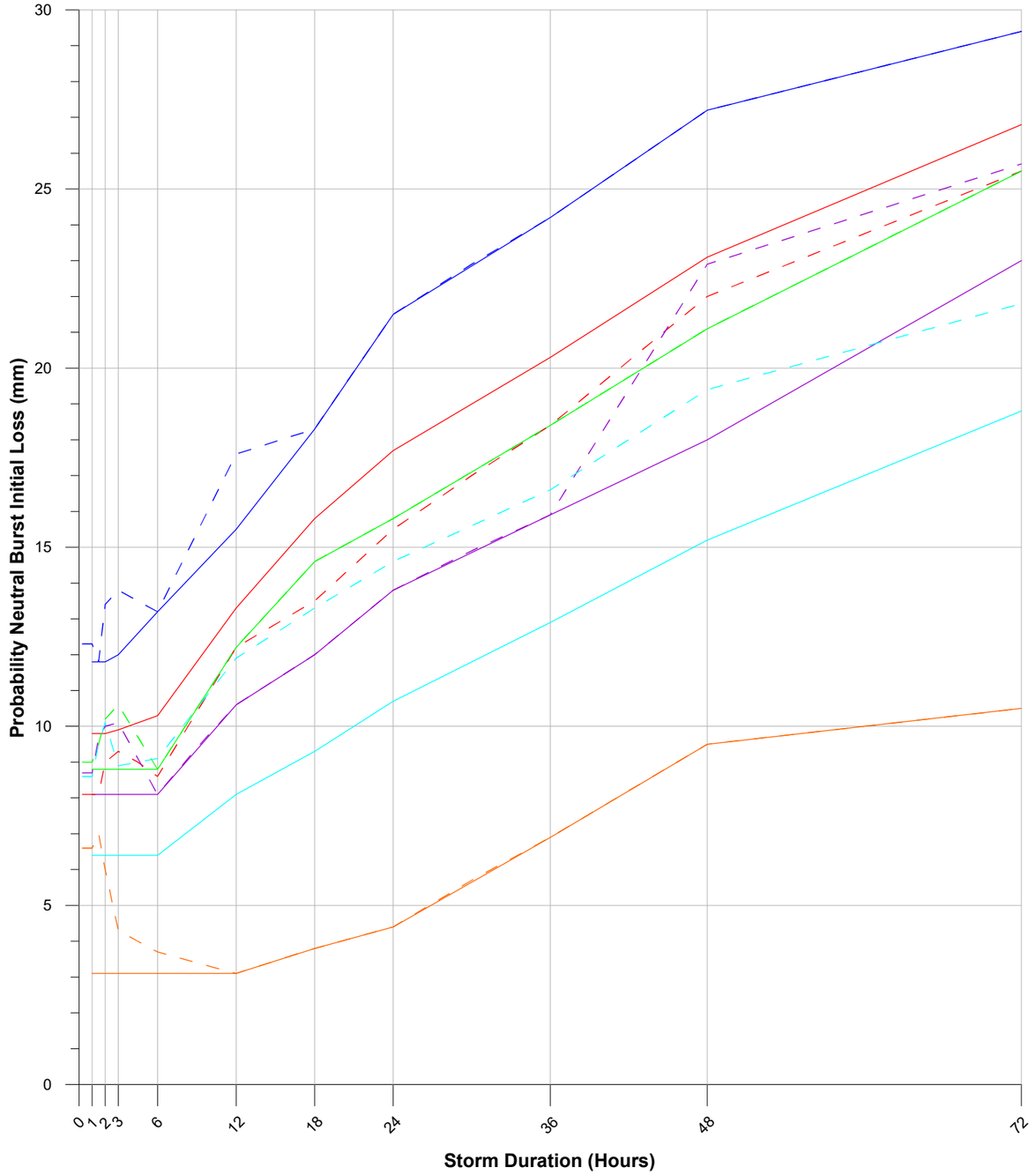
Figure 4.4
(Sheet 3 of 3)

WATER SURFACE PROFILES
HISTORIC FLOOD EVENTS

COMPARISON OF ARR1987 AND BOM2016 INTENSITY-FREQUENCY-DURATION CURVES



RAN AND ADJUSTED NEUTRAL BURST INITIAL VALUES



LEGEND

	Raw (Unadjusted) ARR Data Hub Loss Values	Adjusted ARR Data Hub Loss Values
50% AEP		
20% AEP		
10% AEP		
5% AEP		
2% AEP		
1% AEP		

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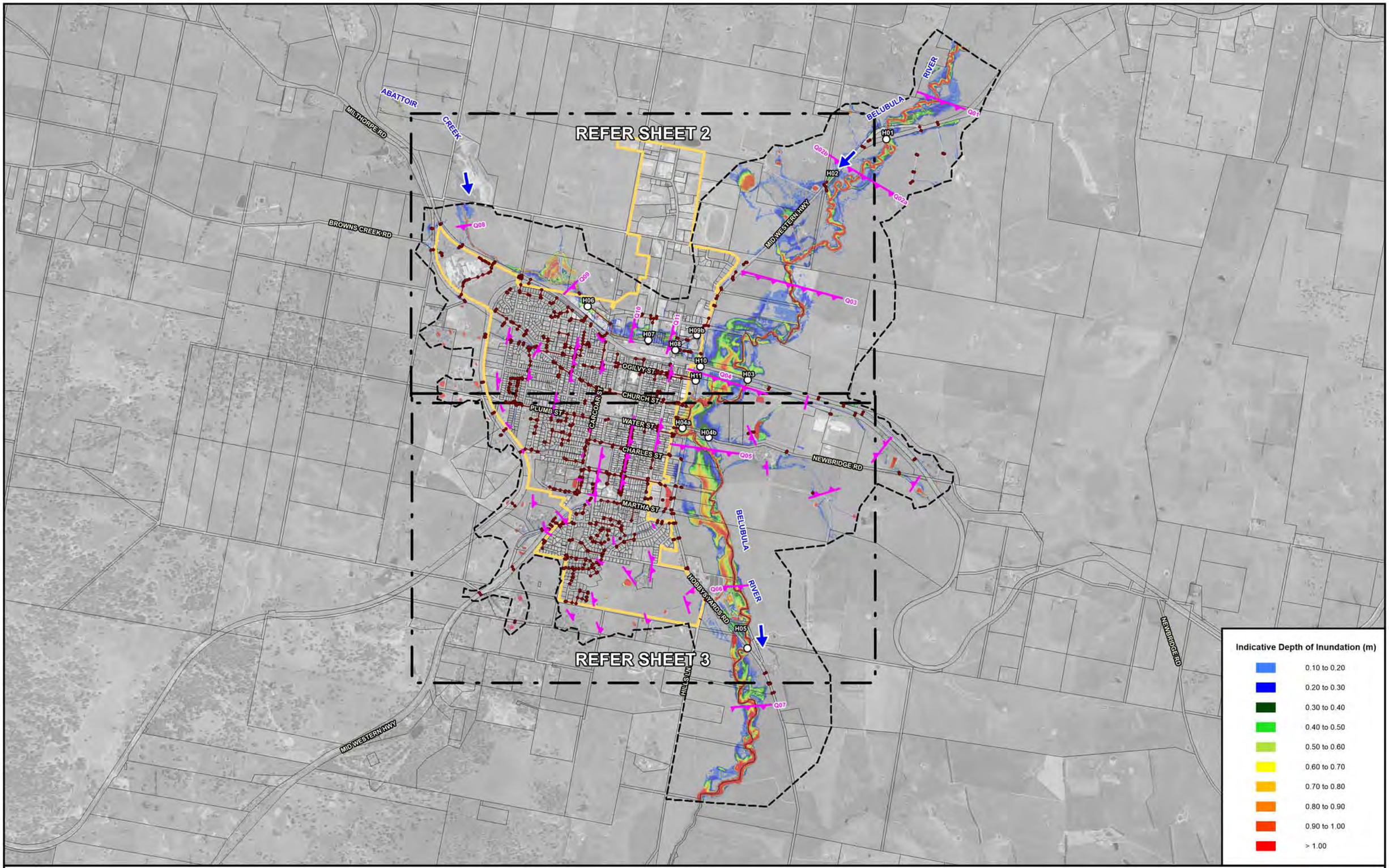
BLAYNEY
FLOOD STUDY UPDATE

Figure 5.1

COMPARISON OF ARR 1987 AND BOM 2016 INTENSITY-FREQUENCY-DURATION CURVES AND PROBABILITY NEUTRAL BURST INITAL LOSS VALUES



N

300 0 300 600 900 m

Scale: 1:30,000

Lyall & Associates

NOTE:

The ground surface model incorporated in TUFLOW is based on LiDAR survey which has been sampled on a 2 m grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.

Flood depths are therefore approximate only and require interpretation by a suitably qualified engineer to determine flooding behaviour in individual allotments. Any assessment of flooding in individual allotments may also require a site survey.

TUFLOW model results not shown within the footprint of existing buildings.

LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre
- Q01 — Peak Flow Location and Identifier
- H01 — Peak Flood Level Location and Identifier

BLAYNEY FLOOD STUDY UPDATE

Figure 6.1
(Sheet 1 of 3)

TUFLOW MODEL RESULTS
50% AEP

Indicative Depth of Inundation (m)

- 0.10 to 0.20
- 0.20 to 0.30
- 0.30 to 0.40
- 0.40 to 0.50
- 0.50 to 0.60
- 0.60 to 0.70
- 0.70 to 0.80
- 0.80 to 0.90
- 0.90 to 1.00
- > 1.00

LAWSON ST
MARSHALLS LN
GERTY ST
MIDWESTERN HWY
BELUBULA RIVER
MAIN WESTERN RAILWAY
MILTHORPE RD
BLAYNEY DEMONDRILLE RAILWAY
EVANS CR
JOHNSTON CR
PALMER ST
EWIN ST
TORRENS ST
HAWKE ST
TUCKER ST
RAPHAEL ST
BURTON ST
DOUST ST
ABATTOIR CREEK
HILL ST
ADELAIDE ST
BINSTEAD ST
BEAUFORT ST
FRAPE ST
WHITTAKER LN
LANE ST
MARSH ST
OGILVY ST
LINDSAY ST
STINSON ST
COOPER ST
MARSDEN ST
GILCHRIST ST
OLIVER ST
MOWLES CCT
CHURCH ST
Q01
Q02b
Q02a
Q03
Q04
Q08
Q09
Q10
Q11
Q12
Q13a
Q14a
Q14b
Q15
Q16
Q17
Q18a
Q18b
Q19a
Q19b
Q20
Q23a
Q50c
Q50b
H02
H03
H06
H07
H08
H09b
H10
H11

JOINS SHEET 3

N

100 0 100 200 300 m

Scale: 1:10,000

Lyall & Associates

NOTE:

The ground surface model incorporated in TUFLOW is based on LiDAR survey which has been sampled on a 2 m grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.

Flood depths are therefore approximate only and require interpretation by a suitably qualified engineer to determine flooding behaviour in individual allotments. Any assessment of flooding in individual allotments may also require a site survey.

TUFLOW model results not shown within the footprint of existing buildings.

LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre
- Q01 — Peak Flow Location and Identifier
- H01 O — Peak Flood Level Location and Identifier

BLAYNEY FLOOD STUDY UPDATE

Figure 6.1
(Sheet 2 of 3)

TUFLOW MODEL RESULTS
50% AEP

JOINS SHEET 2

MARSH ST
PLUMB ST
STARR PL
PIGGOTT PL
MAPLE CR
ROWLANDS ST
AMOS AV
CARCOAR ST
PERCY ST
OSMAN ST
ADELAIDE ST
HENRY ST
QUEEN ST
ADELAIDE LN
CHARLES ST
STILLINGFLEET ST
LOVER FARM ST
NEWBRIDGE RD
MORRIS ST
MARTHA ST
MEDWAY ST
SOMERS PL
ATHOL ST
TERRAGONG ST
POLONA ST
LOVEJOY AV
NAPIER ST
PRICES LN
BLAYNEY DEMONDRILLE RAILWAY
MID WESTERN HWY
ST VINCENT WELSH WAY
LUCKS LN
BELUBULA RIVER
HOBBYS YARDS RD
H04a
H04b
H05
Q01
Q02
Q03
Q04a
Q04b
Q05
Q06
Q07a
Q07b
Q21
Q22
Q23a
Q23b
Q25
Q26
Q27
Q28a
Q28b
Q29a
Q29b
Q30a
Q30b
Q31
Q33
Q34
Q35a
Q35b
Q36a
Q36b
Q37
Q38
Q39
Q40
Q41
Q42
Q43
Q44a
Q45
Q46
Q50b
Q50c
Q51
Q52
Q53
Q56a

Indicative Depth of Inundation (m)

	0.10 to 0.20
	0.20 to 0.30
	0.30 to 0.40
	0.40 to 0.50
	0.50 to 0.60
	0.60 to 0.70
	0.70 to 0.80
	0.80 to 0.90
	0.90 to 1.00
	> 1.00

N

100 0 100 200 300 m

Scale: 1:10,000

Lyall & Associates

NOTE:

The ground surface model incorporated in TUFLOW is based on LiDAR survey which has been sampled on a 2 m grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.

Flood depths are therefore approximate only and require interpretation by a suitably qualified engineer to determine flooding behaviour in individual allotments. Any assessment of flooding in individual allotments may also require a site survey.

TUFLOW model results not shown within the footprint of existing buildings.

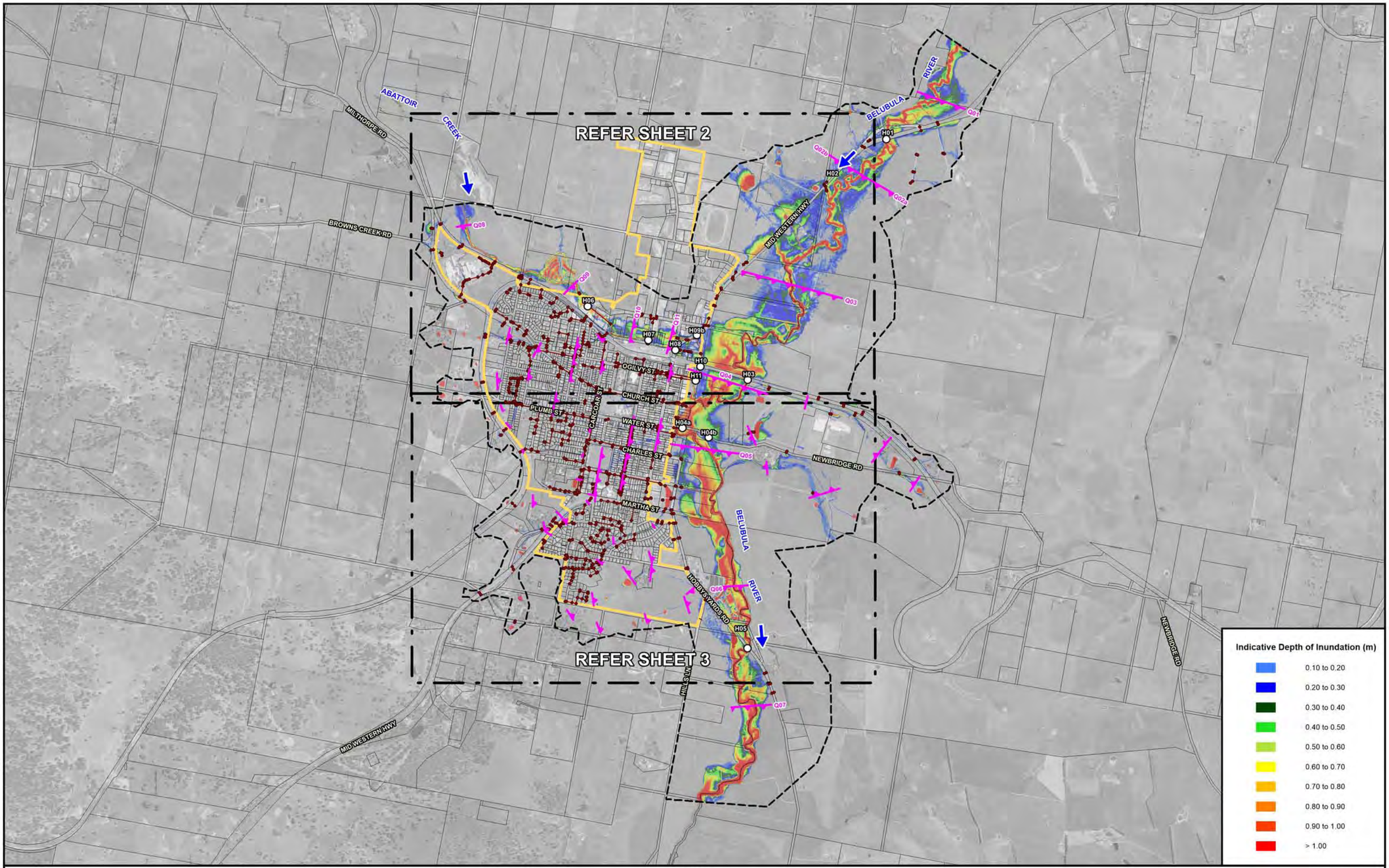
LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre
- Q01 — Peak Flow Location and Identifier
- H01 — Peak Flood Level Location and Identifier

BLAYNEY FLOOD STUDY UPDATE

Figure 6.1
(Sheet 3 of 3)

TUFLOW MODEL RESULTS
50% AEP



N

300 0 300 600 900 m

Scale: 1:30,000

Lyall & Associates

NOTE:

The ground surface model incorporated in TUFLOW is based on LiDAR survey which has been sampled on a 2 m grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.

Flood depths are therefore approximate only and require interpretation by a suitably qualified engineer to determine flooding behaviour in individual allotments. Any assessment of flooding in individual allotments may also require a site survey.

TUFLOW model results not shown within the footprint of existing buildings.

LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre
- Q01 — Peak Flow Location and Identifier
- H01 — Peak Flood Level Location and Identifier

BLAYNEY FLOOD STUDY UPDATE

Figure 6.2
(Sheet 1 of 3)

TUFLOW MODEL RESULTS
20% AEP

Indicative Depth of Inundation (m)

- 0.10 to 0.20
- 0.20 to 0.30
- 0.30 to 0.40
- 0.40 to 0.50
- 0.50 to 0.60
- 0.60 to 0.70
- 0.70 to 0.80
- 0.80 to 0.90
- 0.90 to 1.00
- > 1.00

LAWSON ST
MARSHALLS LN
GERTY ST
MIDWESTERN HWY
BELUBULA RIVER
MAIN WESTERN RAILWAY
MILTHORPE RD
BLAYNEY DEMONDRILLE RAILWAY
EVANS CR
JOHNSTON CR
PALMER ST
EWIN ST
TORRENS ST
HAWKE ST
TUCKER ST
RAPHAEL ST
BURTON ST
DOUST ST
ABATTOIR CREEK
HILL ST
ADELAIDE ST
BINSTEAD ST
BEAUFORT ST
FRAPE ST
WHITTAKER LN
LANE ST
MARSH ST
OGILVY ST
LINDSAY ST
STINSON ST
MARSDEN ST
COOPER ST
GILCHRIST ST
OLIVER ST
MOWLES CCT
CHURCH ST
Q01
Q02a
Q02b
Q03
Q04
Q08
Q09
Q10
Q11
Q12
Q13a
Q14a
Q14b
Q15
Q16
Q17
Q18a
Q18b
Q19a
Q19b
Q20
Q23a
Q50b
Q50c
H02
H03
H06
H07
H08
H09b
H10
H11

JOINS SHEET 3

N

100 0 100 200 300 m

Scale: 1:10,000

Lyall & Associates

NOTE:
The ground surface model incorporated in TUFLOW is based on LiDAR survey which has been sampled on a 2 m grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.

Flood depths are therefore approximate only and require interpretation by a suitably qualified engineer to determine flooding behaviour in individual allotments. Any assessment of flooding in individual allotments may also require a site survey.

TUFLOW model results not shown within the footprint of existing buildings.

LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre
- Q01 — Peak Flow Location and Identifier
- H01 O — Peak Flood Level Location and Identifier

BLAYNEY FLOOD STUDY UPDATE

Figure 6.2
(Sheet 2 of 3)

TUFLOW MODEL RESULTS
20% AEP

JOINS SHEET 2

MARSH ST
PLUMB ST
STARR PL
PIGGOTT PL
MAPLE CR
ROWLANDS ST
AMOS AV
PERCY ST
CARCOAR ST
OSMAN ST
ADELAIDE ST
HENRY ST
QUEEN ST
ADELAIDE LN
LOVER FARM ST
CHARLES ST
STILLINGFLEET ST
MORRIS ST
MARTHA ST
MEDWAY ST
SOMERS PL
ATHOL ST
TERRAGONG ST
POLONA ST
LOVEJOY AV
ST VINCENT WELSH WAY
NAPIER ST
PRICES LN
BLAYNEY DEMONDRILLE RAILWAY
MID WESTERN HWY
LUCKS LN
NEWBRIDGE RD
BELUBULA RIVER
HOBBYS YARDS RD
H04a
H04b
H05
Q01
Q02
Q03
Q04
Q05
Q06
Q20
Q21
Q22
Q23a
Q23b
Q25
Q26
Q27
Q28a
Q28b
Q29a
Q29b
Q30a
Q30b
Q31
Q32
Q33
Q34
Q35a
Q35b
Q36a
Q36b
Q37
Q38
Q40
Q41
Q42
Q43
Q44a
Q44b
Q45
Q46
Q47a
Q47b
Q50b
Q50c
Q51
Q52
Q53
Q56a

Indicative Depth of Inundation (m)

	0.10 to 0.20
	0.20 to 0.30
	0.30 to 0.40
	0.40 to 0.50
	0.50 to 0.60
	0.60 to 0.70
	0.70 to 0.80
	0.80 to 0.90
	0.90 to 1.00
	> 1.00

N

100 0 100 200 300 m

Scale: 1:10,000

Lyall & Associates

NOTE:

The ground surface model incorporated in TUFLOW is based on LiDAR survey which has been sampled on a 2 m grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.

Flood depths are therefore approximate only and require interpretation by a suitably qualified engineer to determine flooding behaviour in individual allotments. Any assessment of flooding in individual allotments may also require a site survey.

TUFLOW model results not shown within the footprint of existing buildings.

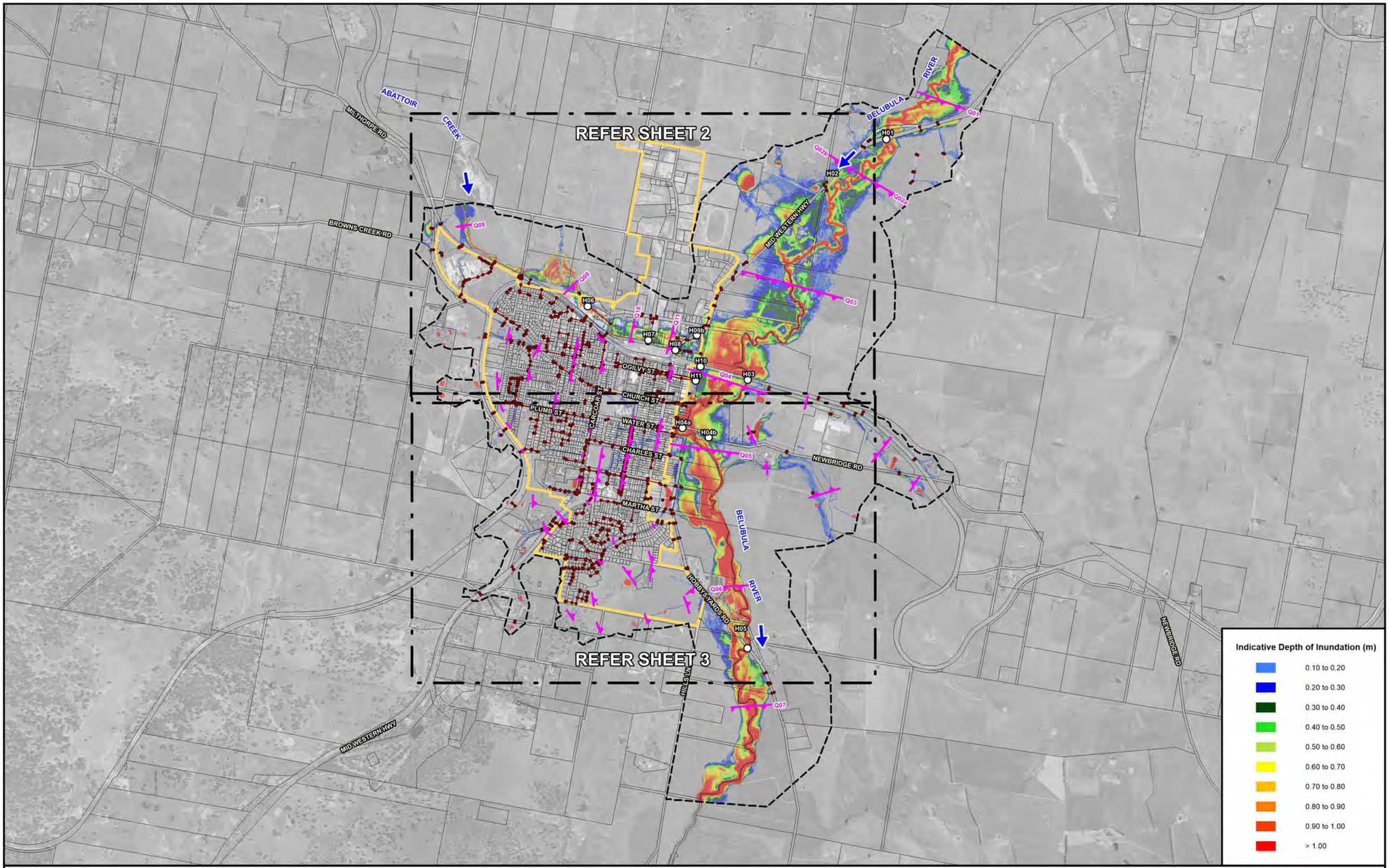
LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre
- Q01 — Peak Flow Location and Identifier
- H01 O — Peak Flood Level Location and Identifier

BLAYNEY FLOOD STUDY UPDATE

Figure 6.2
(Sheet 3 of 3)

TUFLOW MODEL RESULTS
20% AEP



N

300 0 300 600 900 m

Scale: 1:30,000

NOTE:

The ground surface model incorporated in TUFLOW is based on LiDAR survey which has been sampled on a 2 m grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.

Flood depths are therefore approximate only and require interpretation by a suitably qualified engineer to determine flooding behaviour in individual allotments. Any assessment of flooding in individual allotments may also require a site survey.

TUFLOW model results not shown within the footprint of existing buildings.

LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre
- Q01 — Peak Flow Location and Identifier
- H01 — Peak Flood Level Location and Identifier

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BLAYNEY FLOOD STUDY UPDATE

Figure 6.3
(Sheet 1 of 3)

TUFLOW MODEL RESULTS
10% AEP

Indicative Depth of Inundation (m)

- 0.10 to 0.20
- 0.20 to 0.30
- 0.30 to 0.40
- 0.40 to 0.50
- 0.50 to 0.60
- 0.60 to 0.70
- 0.70 to 0.80
- 0.80 to 0.90
- 0.90 to 1.00
- > 1.00

LAWSON ST
MARSHALLS LN
GERTY ST
MIDWESTERN HWY
BELUBULA RIVER
H02
Q02b
Q02a
Q03
Q08
MAIN WESTERN RAILWAY
Q09
EVANS CR
JOHNSTON CR
PALMER ST
EWIN ST
MILTHORPE RD
BLAYNEY DEMONDRILLE RAILWAY
H06
Q10
HILL ST
Q11
ADELAIDE ST
H09b
H07
ABATTOIR CREEK
H08
Q12
TORRENS ST
HAWKE ST
TUCKER ST
RAPHAEL ST
BURTON ST
DOUST ST
Q13
Q13a
Q14a
Q14b
BINSTEAD ST
Q19a
BEAUFORT ST
Q18a
Q18b
FRAPE ST
OGILVY ST
Q20
H10
Q16
Q17
PALMER ST
HOYNES CCT
OLIVER ST
WHITTAKER LN
LANE ST
GILCHRIST ST
COOPER ST
MARSDEN ST
STINSON ST
LINDSAY ST
Q19b
CHURCH ST
Q04
H11
H03
MAIN WESTERN RAILWAY
Q23a
MARSH ST
Q50c
Q50b
JOINS SHEET 3

N

100 0 100 200 300 m

Scale: 1:10,000

Lyall & Associates

NOTE:

The ground surface model incorporated in TUFLOW is based on LiDAR survey which has been sampled on a 2 m grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.

Flood depths are therefore approximate only and require interpretation by a suitably qualified engineer to determine flooding behaviour in individual allotments. Any assessment of flooding in individual allotments may also require a site survey.

TUFLOW model results not shown within the footprint of existing buildings.

LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre
- Q01 — Peak Flow Location and Identifier
- H01 — Peak Flood Level Location and Identifier

BLAYNEY FLOOD STUDY UPDATE

Figure 6.3
(Sheet 2 of 3)

TUFLOW MODEL RESULTS
10% AEP

JOINS SHEET 2

MARSH ST
PLUMB ST
STARR PL
PIGGOTT PL
MAPLE CR
ROWLANDS ST
AMOS AV
PERCY ST
CARCOAR ST
OSMAN ST
ADELAIDE ST
HENRY ST
CHARLES ST
QUEEN ST
ADELAIDE LN
LOVER FARM ST
STILLINGFLEET ST
MORRIS ST
MARTHA ST
MEDWAY ST
SOMERS PL
ATHOL ST
TERRAGONG ST
POLONA ST
LOVEJOY AV
NAPIER ST
PRICES LN
ST VINCENT WELSH WAY
BLAYNEY DEMONDRILLE RAILWAY
MID WESTERN HWY
LUCKS LN
NEWBRIDGE RD
HOBBYS YARDS RD
BELUBULA RIVER

Q21 Q22 Q23a Q23b Q25 Q26 Q27 Q28 Q29a Q29b Q30a Q30b Q31 Q32 Q33 Q34 Q35a Q35b Q36a Q36b Q37 Q38 Q39 Q40 Q41 Q42 Q43 Q44a Q44b Q45 Q46 Q47a Q47b Q05 Q06 Q50b Q50c Q50a Q51 Q53 Q52

H04a H04b H05

Indicative Depth of Inundation (m)

	0.10 to 0.20
	0.20 to 0.30
	0.30 to 0.40
	0.40 to 0.50
	0.50 to 0.60
	0.60 to 0.70
	0.70 to 0.80
	0.80 to 0.90
	0.90 to 1.00
	> 1.00

N

100 0 100 200 300 m

Scale: 1:10,000

Lyall & Associates

NOTE:

The ground surface model incorporated in TUFLOW is based on LiDAR survey which has been sampled on a 2 m grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.

Flood depths are therefore approximate only and require interpretation by a suitably qualified engineer to determine flooding behaviour in individual allotments. Any assessment of flooding in individual allotments may also require a site survey.

TUFLOW model results not shown within the footprint of existing buildings.

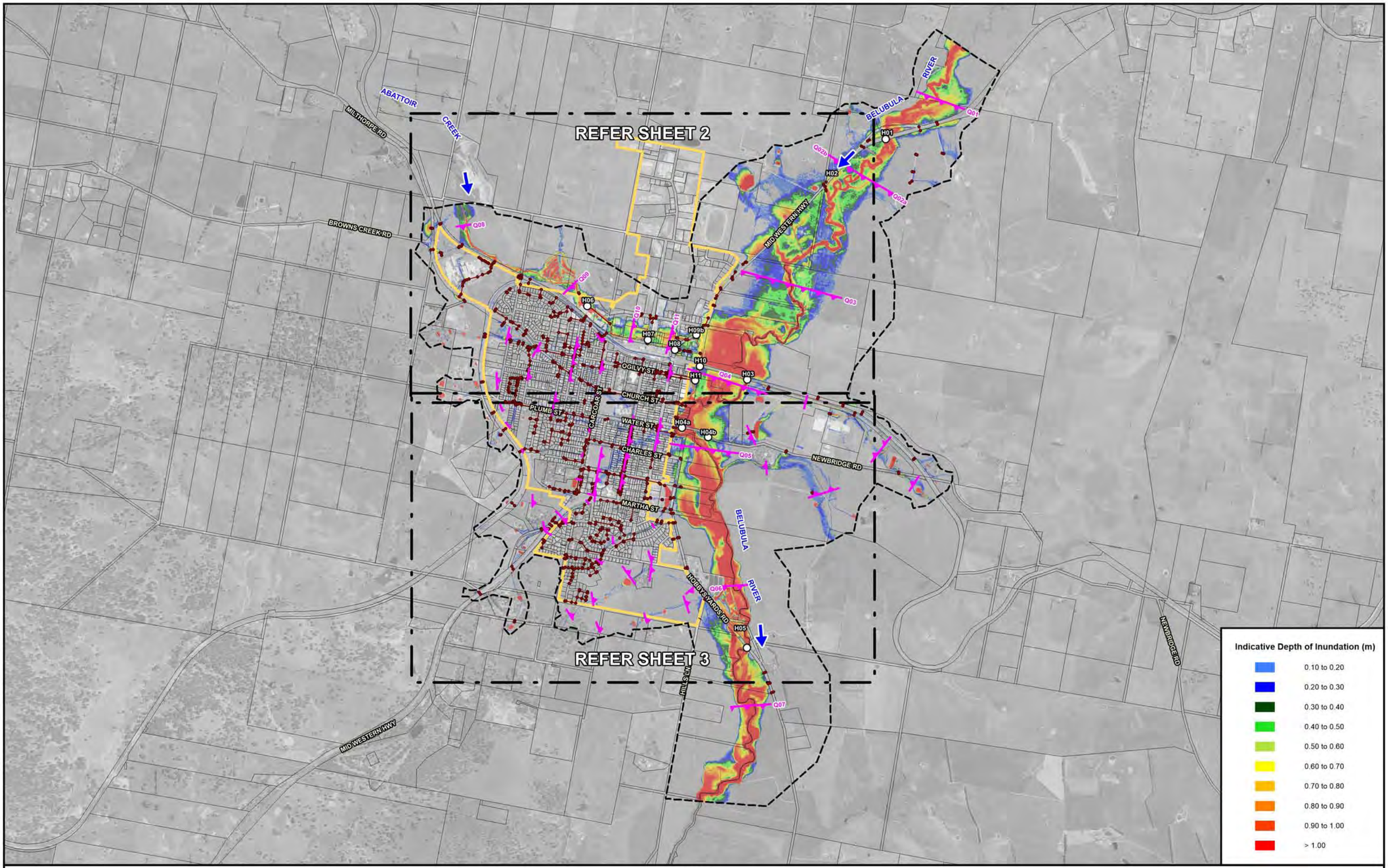
LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre
- Q01 Peak Flow Location and Identifier
- H01 Peak Flood Level Location and Identifier

BLAYNEY FLOOD STUDY UPDATE

Figure 6.3
(Sheet 3 of 3)

TUFLOW MODEL RESULTS
10% AEP



N

300 0 300 600 900 m

Scale: 1:30,000

Lyall & Associates

NOTE:
The ground surface model incorporated in TUFLOW is based on LiDAR survey which has been sampled on a 2 m grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.

Flood depths are therefore approximate only and require interpretation by a suitably qualified engineer to determine flooding behaviour in individual allotments. Any assessment of flooding in individual allotments may also require a site survey.

TUFLOW model results not shown within the footprint of existing buildings.

LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre
- Q01 — Peak Flow Location and Identifier
- H01 O — Peak Flood Level Location and Identifier

BLAYNEY FLOOD STUDY UPDATE

Figure 6.4
(Sheet 1 of 3)

TUFLOW MODEL RESULTS
5% AEP

Indicative Depth of Inundation (m)

- 0.10 to 0.20
- 0.20 to 0.30
- 0.30 to 0.40
- 0.40 to 0.50
- 0.50 to 0.60
- 0.60 to 0.70
- 0.70 to 0.80
- 0.80 to 0.90
- 0.90 to 1.00
- > 1.00

LAWSON ST
MARSHALLS LN
GERTY ST
MAIN WESTERN RAILWAY
MILTHORPE RD
BLAYNEY DEMONDRILLE RAILWAY
EVANS CR
JOHNSTON CR
PALMER ST
EWIN ST
TORRENS ST
HAWKE ST
TUCKER ST
RAPHAEL ST
BURTON ST
DOUST ST
ABATTOIR
CREEK
HILL ST
ADELAIDE ST
MIDWESTERN HWY
BELUBULA
RIVER
BEAUFORT ST
BINSTEAD ST
OGILVY ST
FRAPE ST
WHITTAKER LN
LANE ST
CHURCH ST
MARSH ST
PALMER ST
HOWES CCT
OLIVER ST
GILCHRIST ST
COOPER ST
MARSDEN ST
STINSON ST
LINDSAY ST
Q01
Q02a
Q02b
Q03
Q04
Q08
Q09
Q10
Q11
Q12
Q13a
Q14a
Q14b
Q15
Q16
Q17
Q18a
Q18b
Q19a
Q19b
Q20
Q23a
Q50b
Q50c
H02
H03
H06
H07
H08
H09b
H10
H11

JOINS SHEET 3

N

100 0 100 200 300 m

Scale: 1:10,000

Lyall & Associates

NOTE:

The ground surface model incorporated in TUFLOW is based on LiDAR survey which has been sampled on a 2 m grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.

Flood depths are therefore approximate only and require interpretation by a suitably qualified engineer to determine flooding behaviour in individual allotments. Any assessment of flooding in individual allotments may also require a site survey.

TUFLOW model results not shown within the footprint of existing buildings.

LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre
- Q01 — Peak Flow Location and Identifier
- H01 O — Peak Flood Level Location and Identifier

BLAYNEY FLOOD STUDY UPDATE

Figure 6.4
(Sheet 2 of 3)

TUFLOW MODEL RESULTS
5% AEP

JOINS SHEET 2

MARSH ST
PLUMB ST
STARR PL
PIGGOTT PL
MAPLE CR
ROWLANDS ST
AMOS AV
PERCY ST
CARCOAR ST
OSMAN ST
ADELAIDE ST
HENRY ST
H04a
H04b
CHARLES ST
QUEEN ST
ADELAIDE LN
LOWER FARM ST
NEWBRIDGE RD
STILLINGFLEET ST
MORRIS ST
MARTHA ST
MEDWAY ST
SOMERS PL
ATHOL ST
TERRAGONG ST
POLONA ST
LOVEJOY AV
NAPIER ST
PRICES LN
ST VINCENT WELSH WAY
MID WESTERN HWY
LUCKS LN
BLAYNEY DEMONDRILLE RAILWAY
BELUBULA RIVER
HOBBYS YARDS RD
H05

Q01 Q02 Q03 Q04a Q04b Q05 Q06 Q07a Q07b Q21 Q22 Q23a Q23b Q25 Q26 Q27 Q28 Q29a Q29b Q30a Q30b Q31 Q32 Q33 Q34 Q35a Q35b Q36a Q36b Q36c Q37 Q38 Q40 Q41 Q42 Q43 Q44a Q45 Q46 Q50b Q50c Q51 Q52 Q53 Q56a

Indicative Depth of Inundation (m)

	0.10 to 0.20
	0.20 to 0.30
	0.30 to 0.40
	0.40 to 0.50
	0.50 to 0.60
	0.60 to 0.70
	0.70 to 0.80
	0.80 to 0.90
	0.90 to 1.00
	> 1.00

N

100 0 100 200 300 m

Scale: 1:10,000

Lyall & Associates

NOTE:
The ground surface model incorporated in TUFLOW is based on LiDAR survey which has been sampled on a 2 m grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.

Flood depths are therefore approximate only and require interpretation by a suitably qualified engineer to determine flooding behaviour in individual allotments. Any assessment of flooding in individual allotments may also require a site survey.

TUFLOW model results not shown within the footprint of existing buildings.

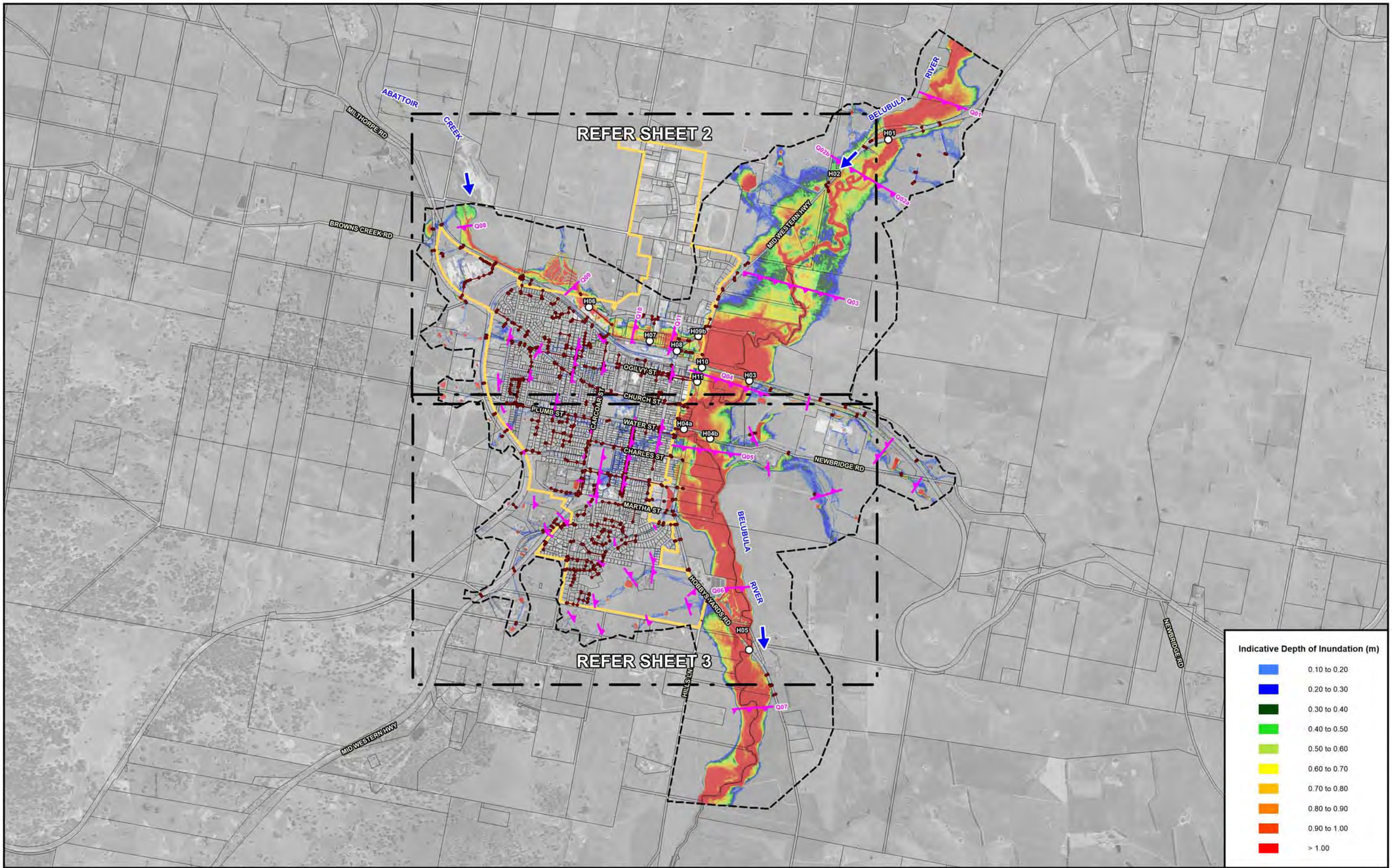
LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre
- Q01 Peak Flow Location and Identifier
- H01 Peak Flood Level Location and Identifier

BLAYNEY FLOOD STUDY UPDATE

Figure 6.4
(Sheet 3 of 3)

TUFLOW MODEL RESULTS
5% AEP



N

300 0 300 600 900 m

Scale: 1:30,000

NOTE:

The ground surface model incorporated in TUFLOW is based on LiDAR survey which has been sampled on a 2 m grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.

Flood depths are therefore approximate only and require interpretation by a suitably qualified engineer to determine flooding behaviour in individual allotments. Any assessment of flooding in individual allotments may also require a site survey.

TUFLOW model results not shown within the footprint of existing buildings.

LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre
- Q01 — Peak Flow Location and Identifier
- H01 — Peak Flood Level Location and Identifier

Lyall & Associates

BLAYNEY FLOOD STUDY UPDATE

Figure 6.5
(Sheet 1 of 3)

TUFLOW MODEL RESULTS
1% AEP

Indicative Depth of Inundation (m)

- 0.10 to 0.20
- 0.20 to 0.30
- 0.30 to 0.40
- 0.40 to 0.50
- 0.50 to 0.60
- 0.60 to 0.70
- 0.70 to 0.80
- 0.80 to 0.90
- 0.90 to 1.00
- > 1.00

LAWSON ST
MARSHALLS LN
GERRY ST
MID WESTERN HWY
BELUBULA
RIVER
MAIN WESTERN RAILWAY
EVANS CR
JOHNSTON CR
PALMER ST
EWIN ST
MILTHORPE RD
BLAYNEY DEMONDRILLE RAILWAY
TORRENS ST
HAWKE ST
TUCKER ST
RAPHAEL ST
BURTON ST
DOUST ST
HILL ST
ADELAIDE ST
ABATTOIR
CREEK
BEAUFORT ST
BINSTEAD ST
OGILVY ST
FRAPE ST
WHITTAKER LN
LANE ST
MARSH ST
CHURCH ST
PALMER ST
HOYNES CCT
OLIVER ST
GILCHRIST ST
COOPER ST
MARSDEN ST
STINSON ST
LINDSAY ST
H01
H02
H03
H06
H07
H08
H09b
H10
H11
Q01
Q02a
Q02b
Q03
Q04
Q08
Q09
Q10
Q11
Q12
Q13a
Q13b
Q14a
Q14b
Q15
Q16
Q17
Q18a
Q18b
Q19a
Q19b
Q20
Q23a
Q50b
Q50c

JOINS SHEET 3

N

100 0 100 200 300 m

Scale: 1:10,000

NOTE:

The ground surface model incorporated in TUFLOW is based on LiDAR survey which has been sampled on a 2 m grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.

Flood depths are therefore approximate only and require interpretation by a suitably qualified engineer to determine flooding behaviour in individual allotments. Any assessment of flooding in individual allotments may also require a site survey.

TUFLOW model results not shown within the footprint of existing buildings.

LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre
- Q01 — Peak Flow Location and Identifier
- H01 — Peak Flood Level Location and Identifier

Lyall & Associates

BLAYNEY FLOOD STUDY UPDATE

Figure 6.5
(Sheet 2 of 3)

TUFLOW MODEL RESULTS
1% AEP

JOINS SHEET 2

MARSH ST
PLUMB ST
STARR PL
PIGGOTT PL
MAPLE CR
ROWLANDS ST
AMOS AV
PERCY ST
CARCOAR ST
OSMAN ST
ADELAIDE ST
HENRY ST
QUEEN ST
ADELAIDE LN
CHARLES ST
LOWER FARM ST
NEWBRIDGE RD
STILLINGFLEET ST
MORRIS ST
MARTHA ST
MEDWAY ST
SOMERS PL
ATHOL ST
TERRAGONG ST
POLONA ST
LOVEJOY AV
NAPIER ST
PRICES LN
BLAYNEY DEMONDRILLE RAILWAY
MID WESTERN HWY
LUCKS LN
ST VINCENT WELSH WAY
HOBBYS YARDS RD
BELUBULA RIVER

Q01 Q21 Q22 Q23a Q23b Q25 Q26 Q27 Q28 Q31 Q33 Q34 Q35a Q35b Q36a Q36b Q37 Q38 Q39a Q39b Q40 Q41 Q42 Q43 Q44a Q44b Q45 Q46 Q47a Q47b Q05 Q51 Q50c Q50b Q50a Q53 Q52 Q06

H04a H04b H05

Indicative Depth of Inundation (m)

	0.10 to 0.20
	0.20 to 0.30
	0.30 to 0.40
	0.40 to 0.50
	0.50 to 0.60
	0.60 to 0.70
	0.70 to 0.80
	0.80 to 0.90
	0.90 to 1.00
	> 1.00

N

100 0 100 200 300 m

Scale: 1:10,000

Lyall & Associates

NOTE:

The ground surface model incorporated in TUFLOW is based on LiDAR survey which has been sampled on a 2 m grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.

Flood depths are therefore approximate only and require interpretation by a suitably qualified engineer to determine flooding behaviour in individual allotments. Any assessment of flooding in individual allotments may also require a site survey.

TUFLOW model results not shown within the footprint of existing buildings.

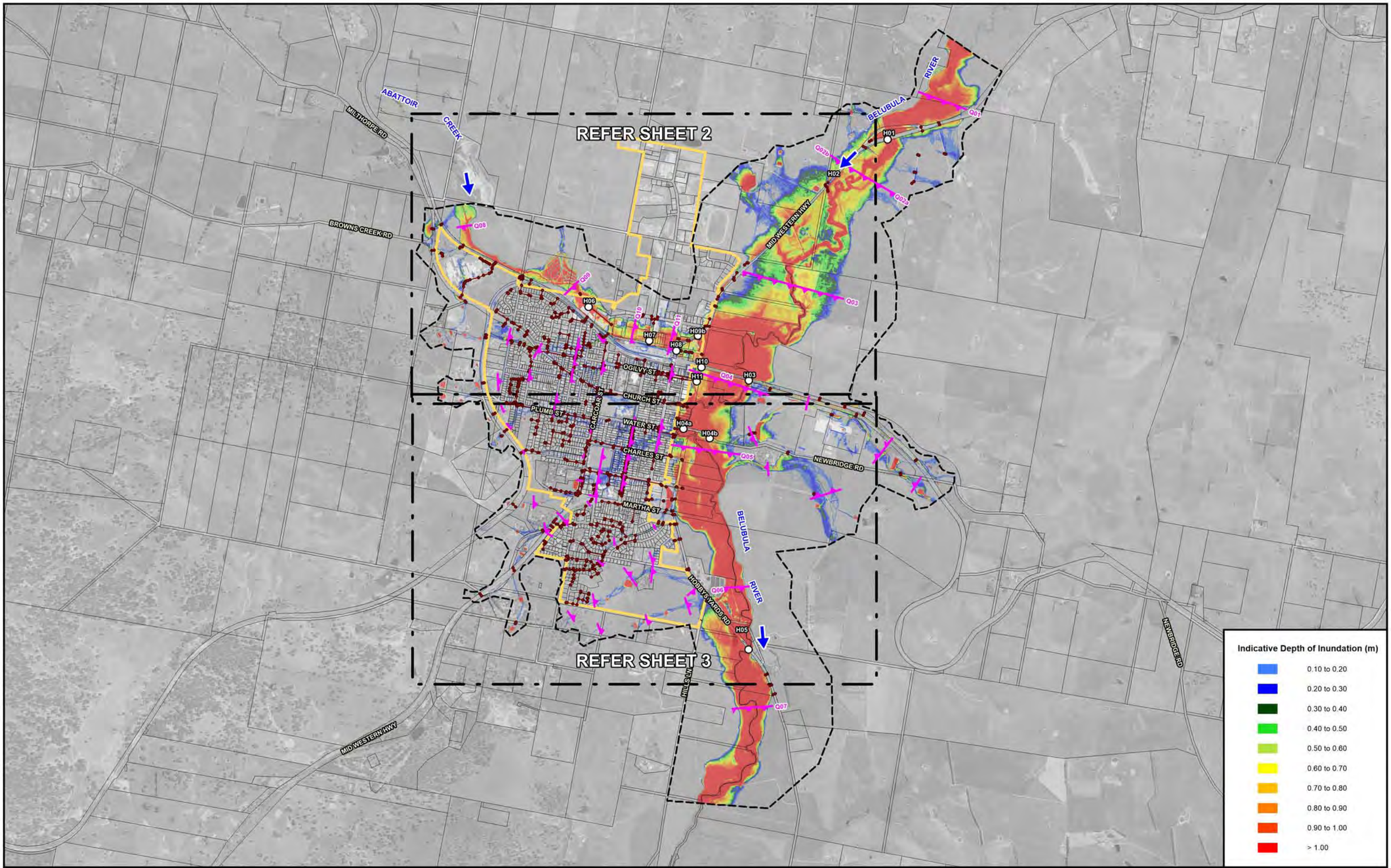
LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre
- Q01 Peak Flow Location and Identifier
- H01 Peak Flood Level Location and Identifier

BLAYNEY FLOOD STUDY UPDATE

Figure 6.5
(Sheet 3 of 3)

TUFLOW MODEL RESULTS
1% AEP



N

300 0 300 600 900 m

Scale: 1:30,000

Lyall & Associates

NOTE:

The ground surface model incorporated in TUFLOW is based on LiDAR survey which has been sampled on a 2 m grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.

Flood depths are therefore approximate only and require interpretation by a suitably qualified engineer to determine flooding behaviour in individual allotments. Any assessment of flooding in individual allotments may also require a site survey.

TUFLOW model results not shown within the footprint of existing buildings.

LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre
- Peak Flow Location and Identifier (Q01)
- Peak Flood Level Location and Identifier (H01)

BLAYNEY FLOOD STUDY UPDATE

Figure 6.6
(Sheet 1 of 3)

TUFLOW MODEL RESULTS
0.5% AEP

Indicative Depth of Inundation (m)

- 0.10 to 0.20
- 0.20 to 0.30
- 0.30 to 0.40
- 0.40 to 0.50
- 0.50 to 0.60
- 0.60 to 0.70
- 0.70 to 0.80
- 0.80 to 0.90
- 0.90 to 1.00
- > 1.00

LAWSON ST
MARSHALLS LN
GERTY ST
MAIN WESTERN RAILWAY
EVANS CR
JOHNSTON CR
PALMER ST
EWIN ST
MILTHORPE RD
BLAYNEY DEMONDRILLE RAILWAY
TORRENS ST
HAWKE ST
TUCKER ST
RAPHAEL ST
BURTON ST
DOUST ST
ABATTOIR
CREEK
HILL ST
ADELAIDE ST
MIDWESTERN HWY
BELUBULA
RIVER
BEAUFORT ST
BINSTEAD ST
OGILVY ST
FRAPE ST
WHITTAKER LN
LANE ST
CHURCH ST
LINDSAY ST
STINSON ST
COOPER ST
MARSDEN ST
GILCHRIST ST
OLIVER ST
HOYNES CCT
PALMER ST
Q02b
Q02a
Q03
Q04
Q08
Q09
Q10
Q11
Q12
Q13a
Q13b
Q14a
Q14b
Q15
Q16
Q17
Q18a
Q18b
Q19a
Q19b
Q20
Q23a
Q50c
Q50b
H02
H03
H06
H07
H08
H09b
H10
H11

JOINS SHEET 3

N

100 0 100 200 300 m

Scale: 1:10,000

Lyall & Associates

NOTE:

The ground surface model incorporated in TUFLOW is based on LiDAR survey which has been sampled on a 2 m grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.

Flood depths are therefore approximate only and require interpretation by a suitably qualified engineer to determine flooding behaviour in individual allotments. Any assessment of flooding in individual allotments may also require a site survey.

TUFLOW model results not shown within the footprint of existing buildings.

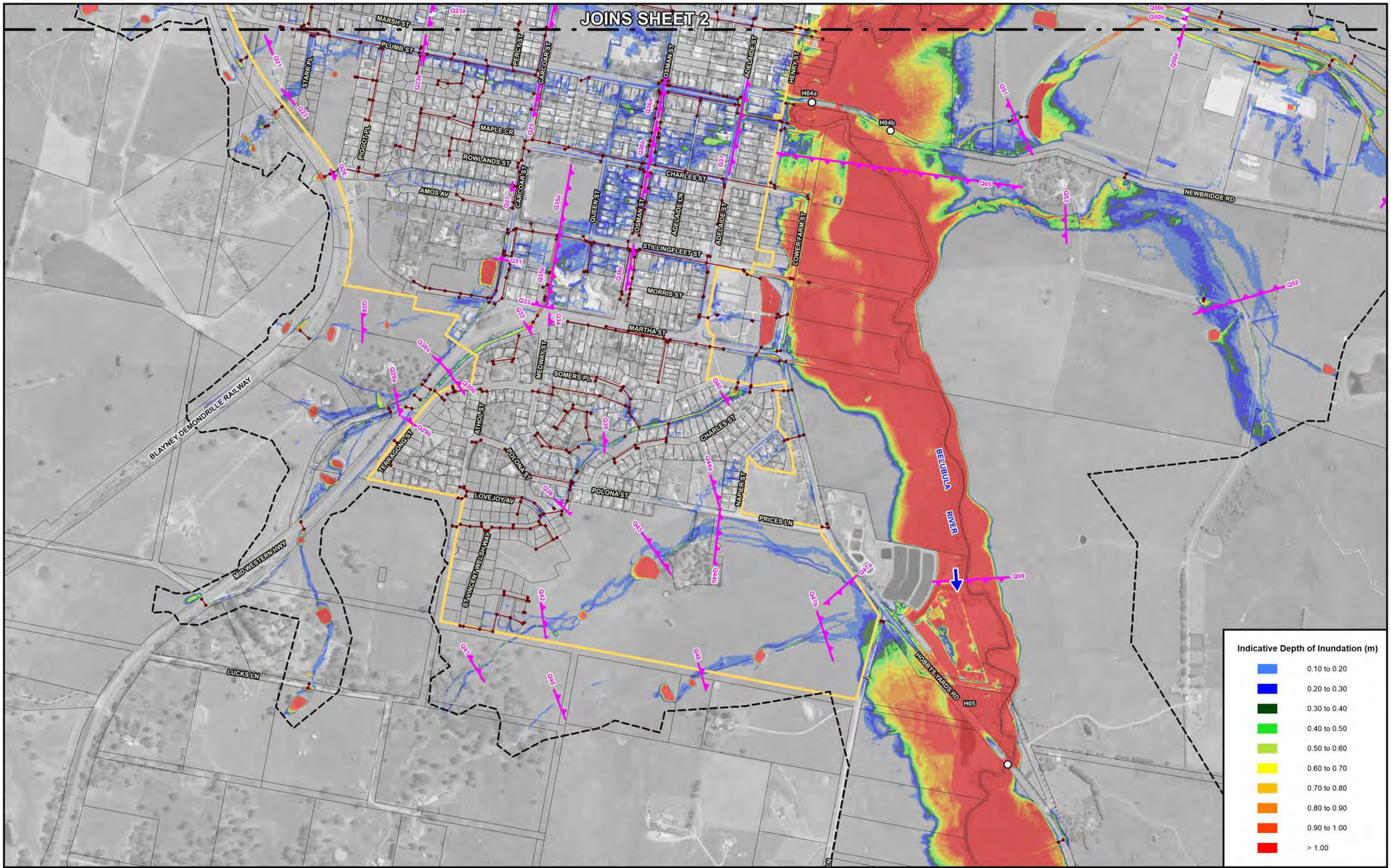
LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre
- Q01 — Peak Flow Location and Identifier
- H01 — Peak Flood Level Location and Identifier

BLAYNEY FLOOD STUDY UPDATE

Figure 6.6
(Sheet 2 of 3)

TUFLOW MODEL RESULTS
0.5% AEP



N

100 0 100 200 300 m

Scale: 1:10,000

Lyall & Associates

NOTE:

The ground surface model incorporated in TUFLOW is based on LiDAR survey which has been sampled on a 2 m grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.

Flood depths are therefore approximate only and require interpretation by a suitably qualified engineer to determine flooding behaviour in individual allotments. Any assessment of flooding in individual allotments may also require a site survey.

TUFLOW model results not shown within the footprint of existing buildings.

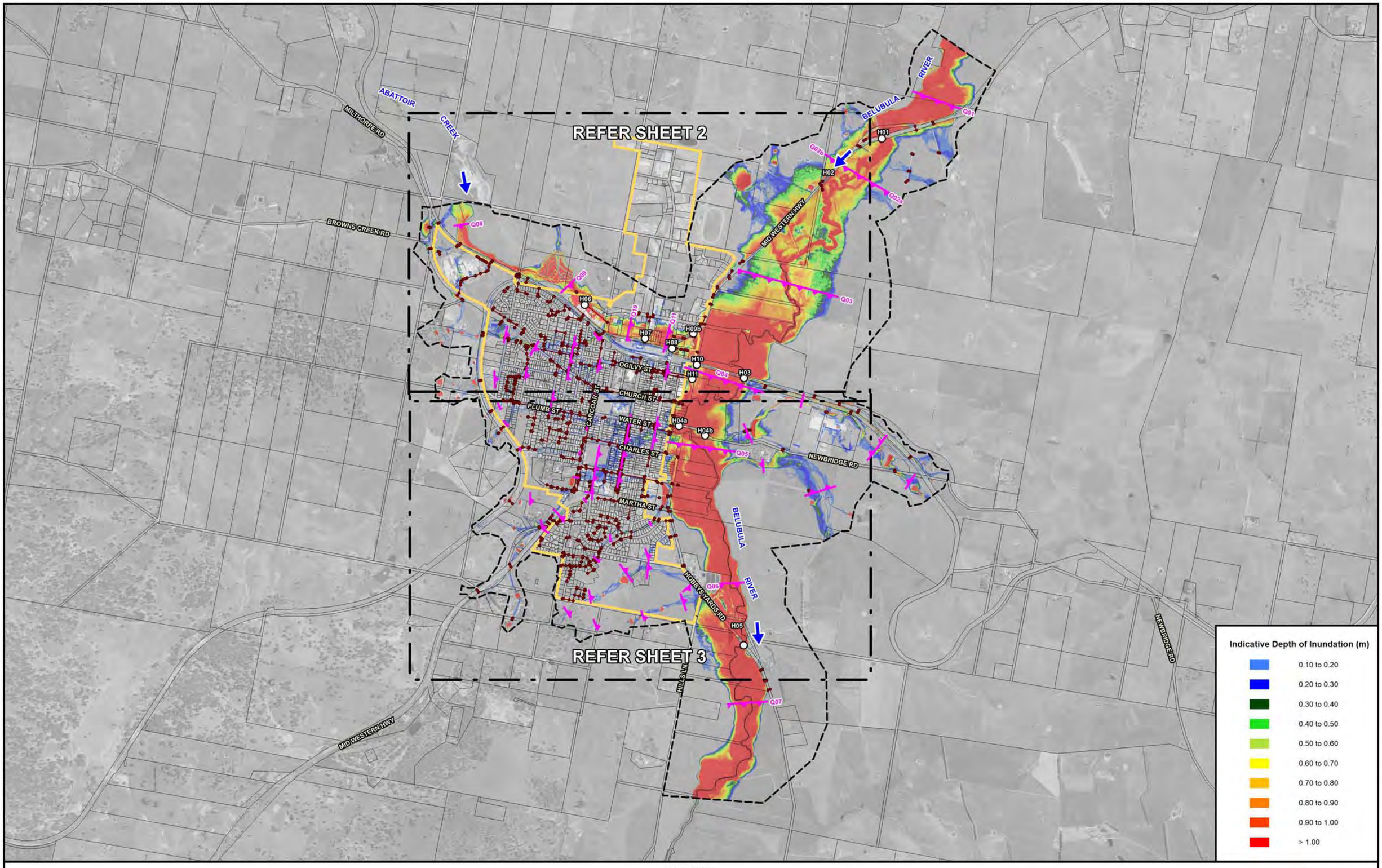
LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre
- Q01 — Peak Flow Location and Identifier
- H01 — Peak Flood Level Location and Identifier

BLAYNEY FLOOD STUDY UPDATE

Figure 6.6
(Sheet 3 of 3)

TUFLOW MODEL RESULTS
0.5% AEP



N

300 0 300 600 900 m

Scale: 1:30,000

Lyall & Associates

NOTE:

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TUFLOW model results not shown within the footprint of existing buildings.

LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre
- Q01 — Peak Flow Location and Identifier
- H01 O — Peak Flood Level Location and Identifier

BLAYNEY FLOOD STUDY UPDATE

Figure 6.7
(Sheet 1 of 3)

TUFLOW MODEL RESULTS
0.2% AEP

Indicative Depth of Inundation (m)

- 0.10 to 0.20
- 0.20 to 0.30
- 0.30 to 0.40
- 0.40 to 0.50
- 0.50 to 0.60
- 0.60 to 0.70
- 0.70 to 0.80
- 0.80 to 0.90
- 0.90 to 1.00
- > 1.00

LAWSON ST
MARSHALLS LN
GERTY ST
MAIN WESTERN RAILWAY
MILTHORPE RD
BLAYNEY DEMONDRILLE RAILWAY
EVANS CR
JOHNSTON CR
PALMER ST
EWIN ST
TORRENS ST
HAWKE ST
TUCKER ST
RAPHAEL ST
BURTON ST
DOUST ST
ABATTOIR CREEK
HILL ST
ADELAIDE ST
MIDWESTERN HWY
BELUBULA RIVER
BEAUFORT ST
BINSTEAD ST
OGILVY ST
FRAPE ST
WHITTAKER LN
LANE ST
CHURCH ST
MARSH ST
PALMER ST
HOYNES CCT
OLIVER ST
GILCHRIST ST
COOPER ST
MARSDEN ST
STINSON ST
LINDSAY ST
Q01
Q02a
Q02b
Q03
Q04
Q08
Q09
Q10
Q11
Q12
Q13a
Q13b
Q14a
Q14b
Q16
Q17
Q18a
Q18b
Q19a
Q19b
Q20
Q23a
Q50b
Q50c
H01
H02
H03
H06
H07
H08
H09b
H10
H11

JOINS SHEET 3

N

100 0 100 200 300 m

Scale: 1:10,000

Lyall & Associates

NOTE:
The ground surface model incorporated in TUFLOW is based on LiDAR survey which has been sampled on a 2 m grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.

Flood depths are therefore approximate only and require interpretation by a suitably qualified engineer to determine flooding behaviour in individual allotments. Any assessment of flooding in individual allotments may also require a site survey.

TUFLOW model results not shown within the footprint of existing buildings.

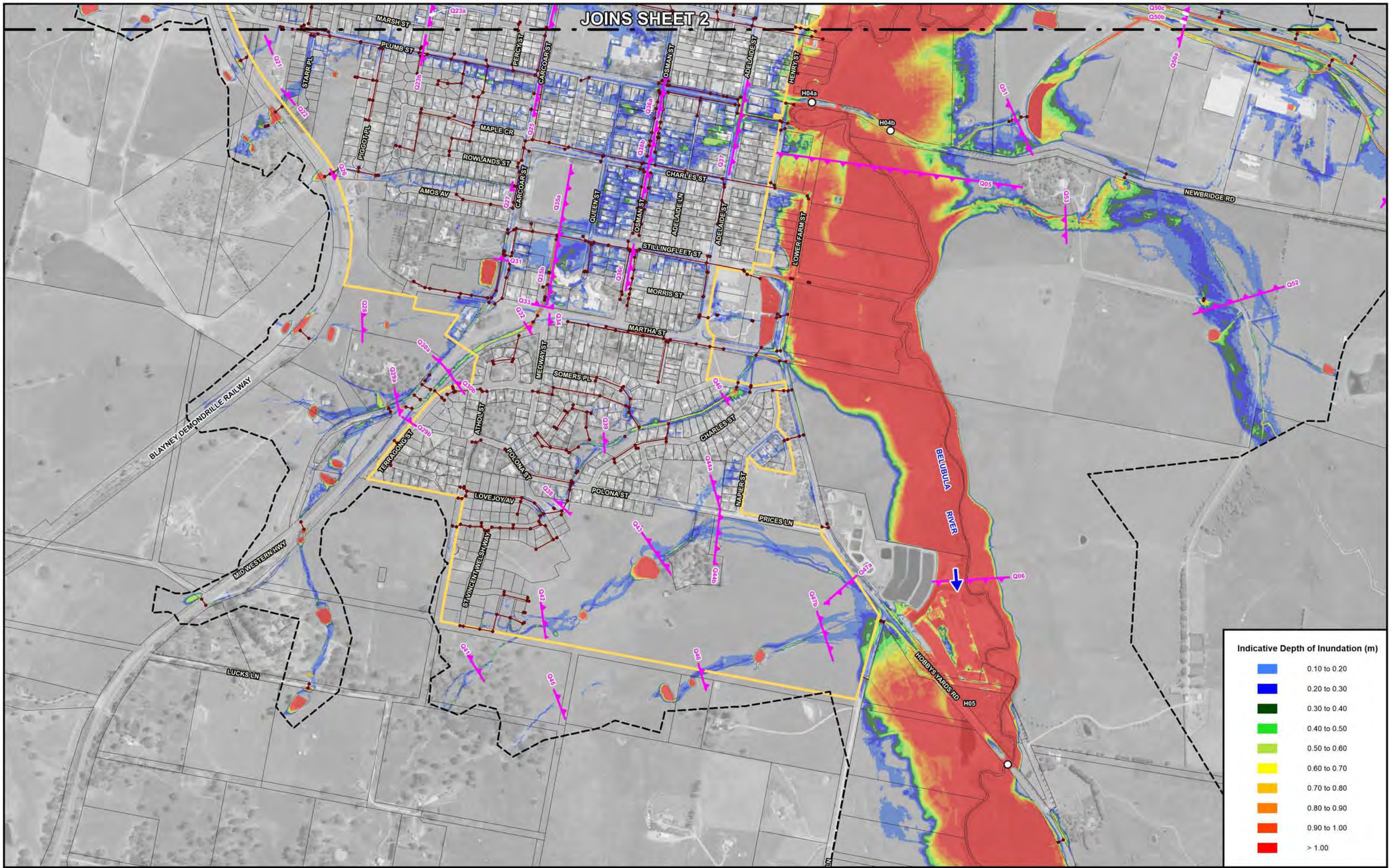
LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre
- Q01 Peak Flow Location and Identifier
- H01 Peak Flood Level Location and Identifier

BLAYNEY
FLOOD STUDY UPDATE

Figure 6.7
(Sheet 2 of 3)

TUFLOW MODEL RESULTS
0.2% AEP



N

100 0 100 200 300 m

Scale: 1:10,000

Lyall & Associates

NOTE:

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TUFLOW model results not shown within the footprint of existing buildings.

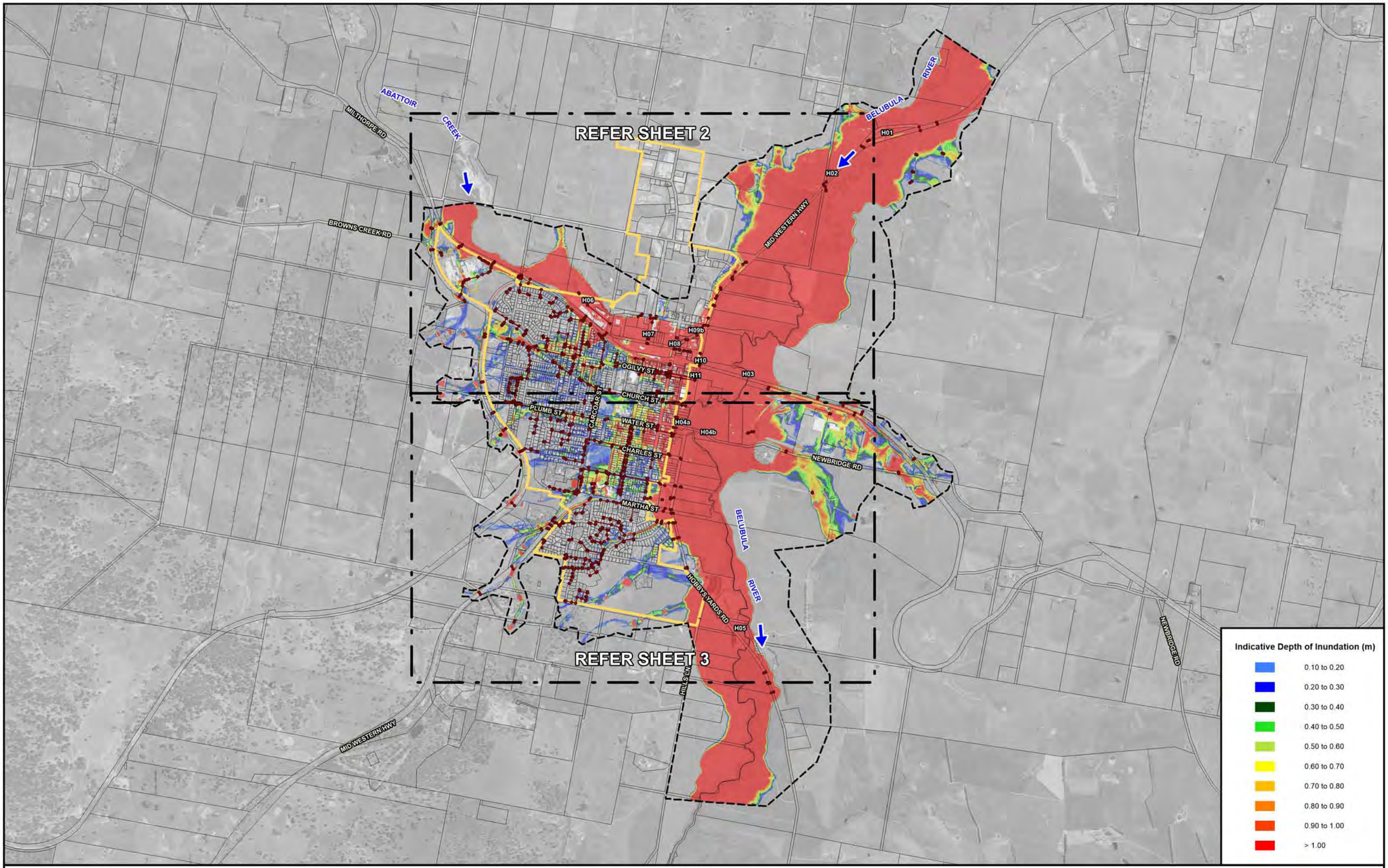
LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre
- Q01 — Peak Flow Location and Identifier
- H01 — Peak Flood Level Location and Identifier

BLAYNEY FLOOD STUDY UPDATE

Figure 6.7
(Sheet 3 of 3)

TUFLOW MODEL RESULTS
0.2% AEP



N

300 0 300 600 900 m

Scale: 1:30,000

Lyall & Associates

NOTE:

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TUFLOW model results not shown within the footprint of existing buildings.

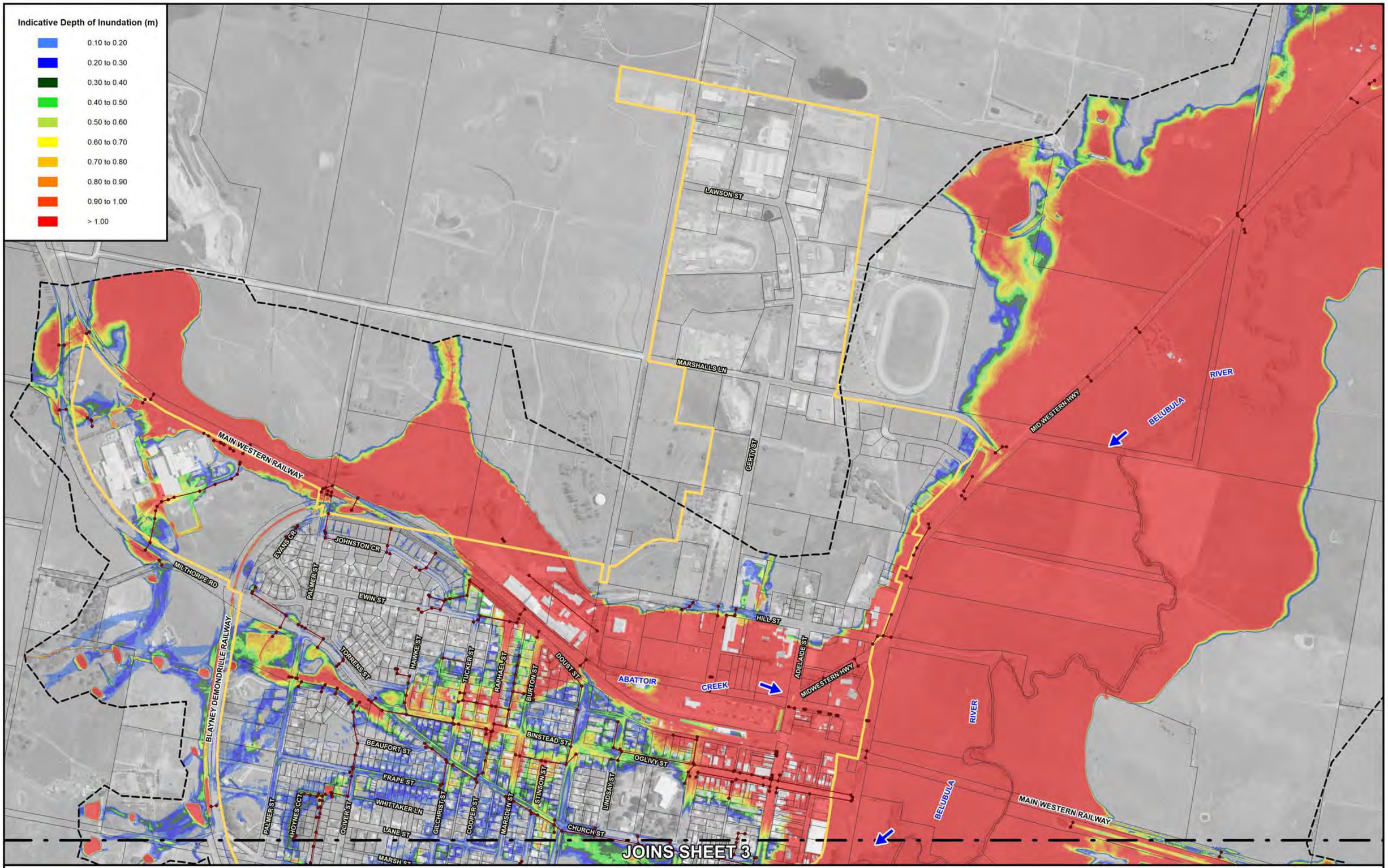
LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre

BLAYNEY FLOOD STUDY UPDATE

Figure 6.8
(Sheet 1 of 3)

TUFLOW MODEL RESULTS
PMF



N

100 0 100 200 300 m

Scale: 1:10,000

Lyall & Associates

NOTE:

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TUFLOW model results not shown within the footprint of existing buildings.

LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre

BLAYNEY FLOOD STUDY UPDATE

Figure 6.8
(Sheet 2 of 3)

TUFLOW MODEL RESULTS
PMF

JOINS SHEET 2

MARSH ST
PLUMB ST
STARR PL
PERCY ST
CARCOAR ST
OSMAN ST
ADELAIDE ST
HENRY ST
PIGGOTT PL
MAPLE CR
ROWLANDS ST
AMOS AV
CARCOAR ST
QUEEN ST
OSMAN ST
ADELAIDE LN
ADELAIDE ST
CHARLES ST
LOWER FARM ST
NEWBRIDGE RD
STILLINGFLEET ST
MORRIS ST
MARTHA ST
MEDWAY ST
SOMERS PL
BLAYNEY DEMONDRILLE RAILWAY
ATHOL ST
CHARLES ST
TERRAGONG ST
POLONA ST
POLONA ST
NAPIER ST
LOVEJOY AV
PRICES LN
BELUBULA RIVER
MID WESTERN HWY
ST VINCENT WELSH WAY
LUCKS LN
HOBBYS YARDS RD

Indicative Depth of Inundation (m)

	0.10 to 0.20
	0.20 to 0.30
	0.30 to 0.40
	0.40 to 0.50
	0.50 to 0.60
	0.60 to 0.70
	0.70 to 0.80
	0.80 to 0.90
	0.90 to 1.00
	> 1.00

N

100 0 100 200 300 m

Scale: 1:10,000

NOTE:
The ground surface model incorporated in TUFLOW is based on LiDAR survey which has been sampled on a 2 m grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.

Flood depths are therefore approximate only and require interpretation by a suitably qualified engineer to determine flooding behaviour in individual allotments. Any assessment of flooding in individual allotments may also require a site survey.

TUFLOW model results not shown within the footprint of existing buildings.

LEGEND

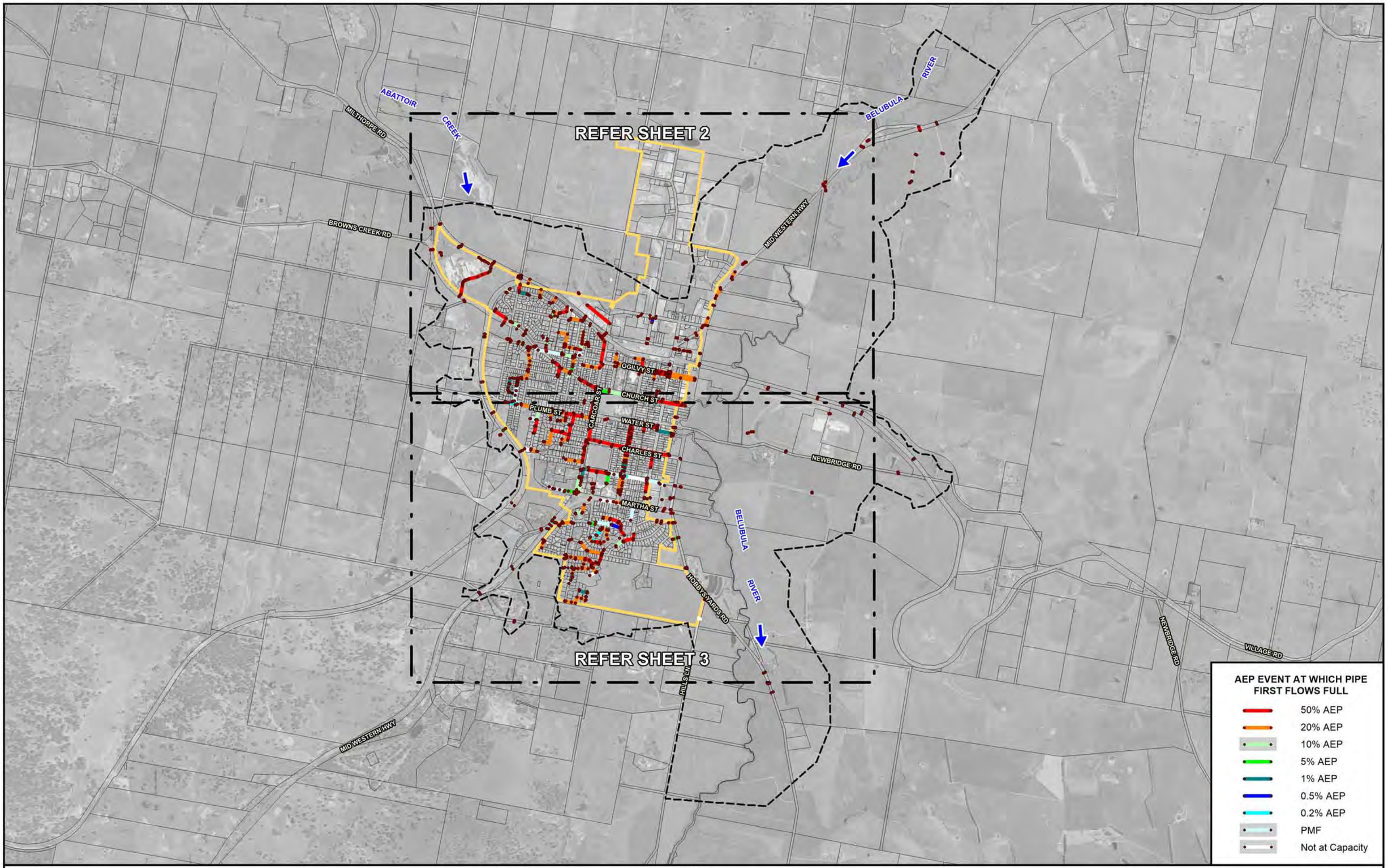
- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre

Lyall & Associates

BLAYNEY FLOOD STUDY UPDATE

Figure 6.8
(Sheet 3 of 3)

TUFLOW MODEL RESULTS
PMF



N

300 0 300 600 900 m

Scale: 1:30,000

Lyall & Associates

NOTE:

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TUFLOW model results not shown within the footprint of existing buildings.

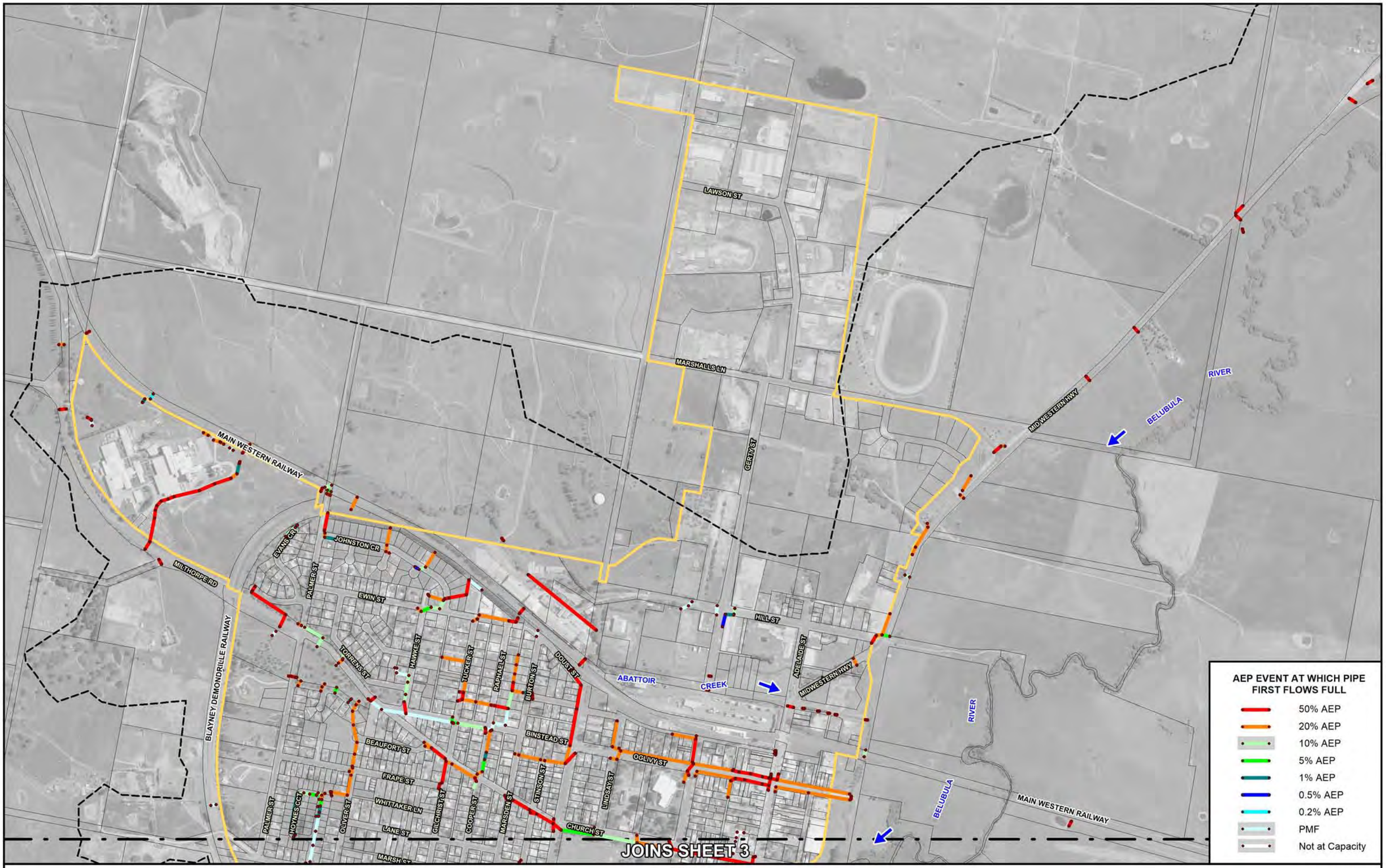
LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre

BLAYNEY
FLOOD STUDY UPDATE

Figure 6.9
(Sheet 1 of 3)

CAPACITY OF EXISTING STORMWATER DRAINAGE SYSTEM



N

100 0 100 200 300 m

Scale: 1:10,000

Lyall & Associates

NOTE:

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TUFLOW model results not shown within the footprint of existing buildings.

LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre

BLAYNEY FLOOD STUDY UPDATE

Figure 6.9
(Sheet 2 of 3)

CAPACITY OF EXISTING STORMWATER DRAINAGE SYSTEM

JOINS SHEET 2

MARSH ST
PLUMB ST
STARR PL
PERCY ST
CARCOAR ST
OSMAN ST
ADELAIDE ST
HENRY ST
PIGGOTT PL
MAPLE CR
ROWLANDS ST
CHARLES ST
AMOS AV
QUEEN ST
ADELAIDE LN
LOWER FARM ST
NEWBRIDGE RD
STILLINGFLEET ST
MORRIS ST
MARTHA ST
MEDWAY ST
SOMERS PL
ATHOL ST
TERRAGONG ST
POLONA ST
LOVEJOY AV
PRICES LN
NAPIER ST
BELUBULA RIVER
BLAYNEY DEMONDRILLE RAILWAY
MID WESTERN HWY
ST VINCENT WELSH WAY
LUCKS LN
HOBBYS YARDS RD

AEP EVENT AT WHICH PIPE FIRST FLOWS FULL

- 50% AEP
- 20% AEP
- 10% AEP
- 5% AEP
- 1% AEP
- 0.5% AEP
- 0.2% AEP
- PMF
- Not at Capacity

N

100 0 100 200 300 m

Scale: 1:10,000

Lyall & Associates

NOTE:

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TUFLOW model results not shown within the footprint of existing buildings.

LEGEND

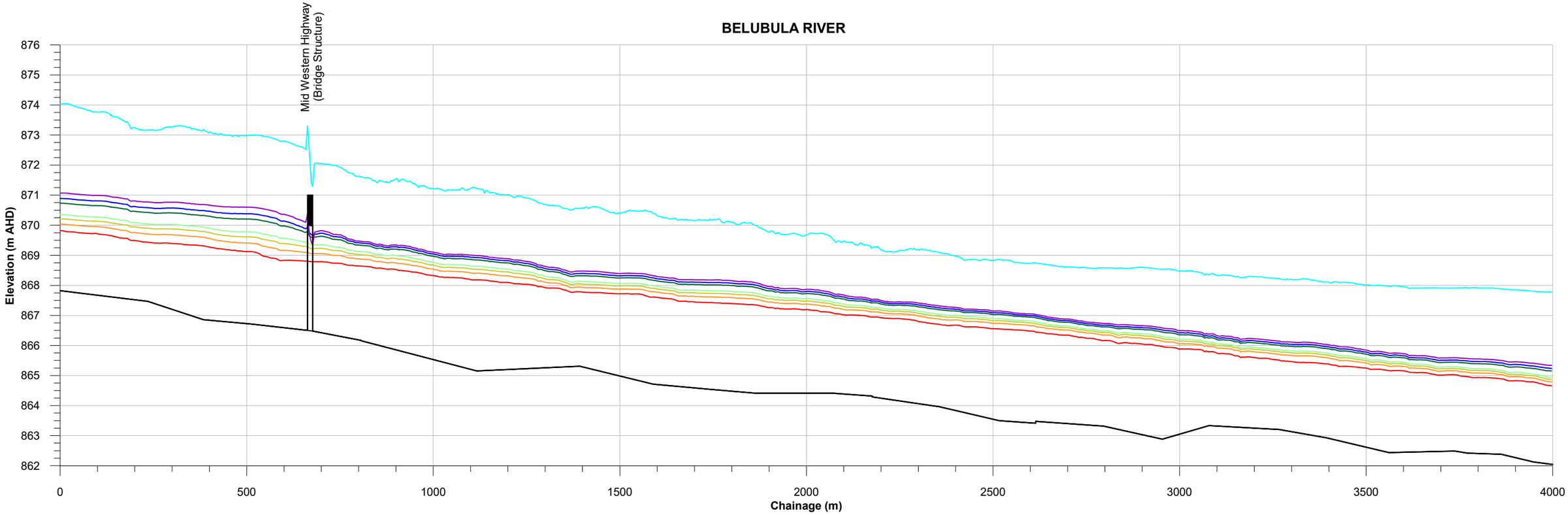
- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre

BLAYNEY FLOOD STUDY UPDATE

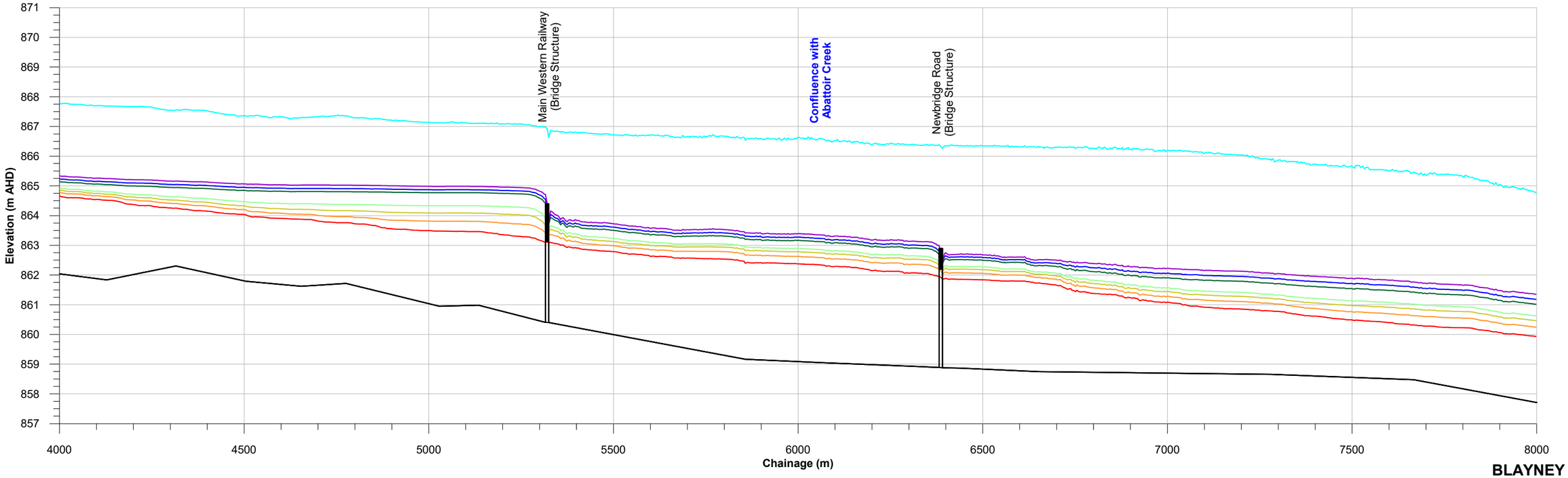
Figure 6.9
(Sheet 3 of 3)

CAPACITY OF EXISTING STORMWATER DRAINAGE SYSTEM

BELUBULA RIVER



BELUBULA RIVER (Continued)



LEGEND

- PMF
- 0.2% AEP
- 0.5% AEP
- 1% AEP
- 5% AEP
- 10% AEP
- 20% AEP
- 50% AEP

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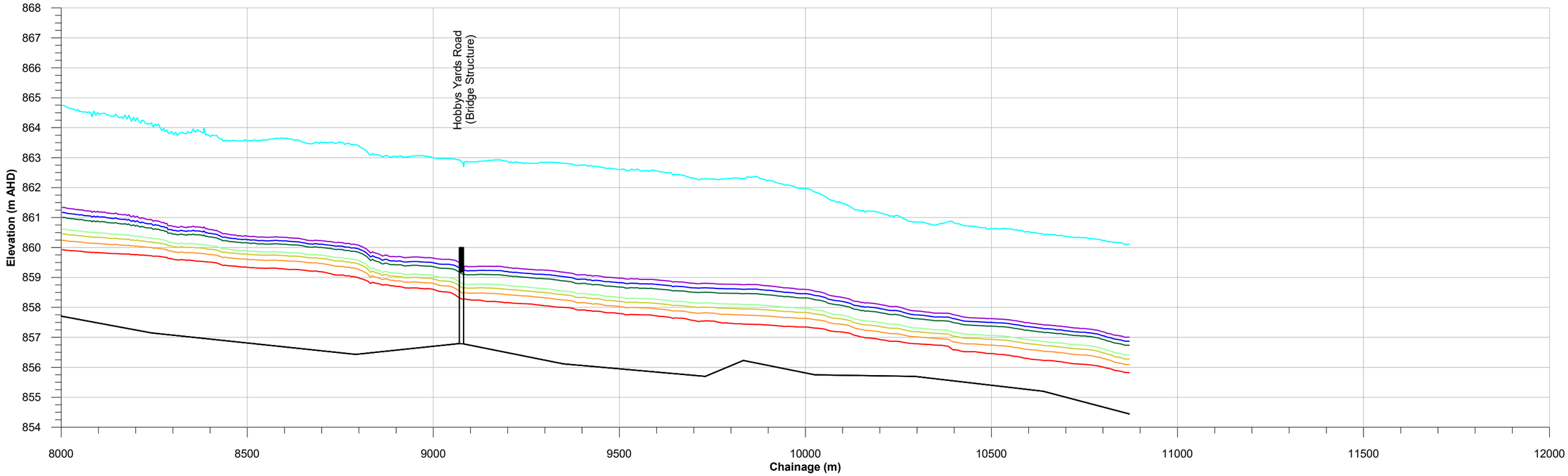
BLAYNEY
FLOOD STUDY UPDATE

Figure 6.10
(Sheet 1 of 3)

WATER SURFACE PROFILES
DESIGN FLOOD EVENTS

BELUBULA RIVER (Continued)



LEGEND

PMF	5% AEP
0.2% AEP	10% AEP
0.5% AEP	20% AEP
1% AEP	50% AEP

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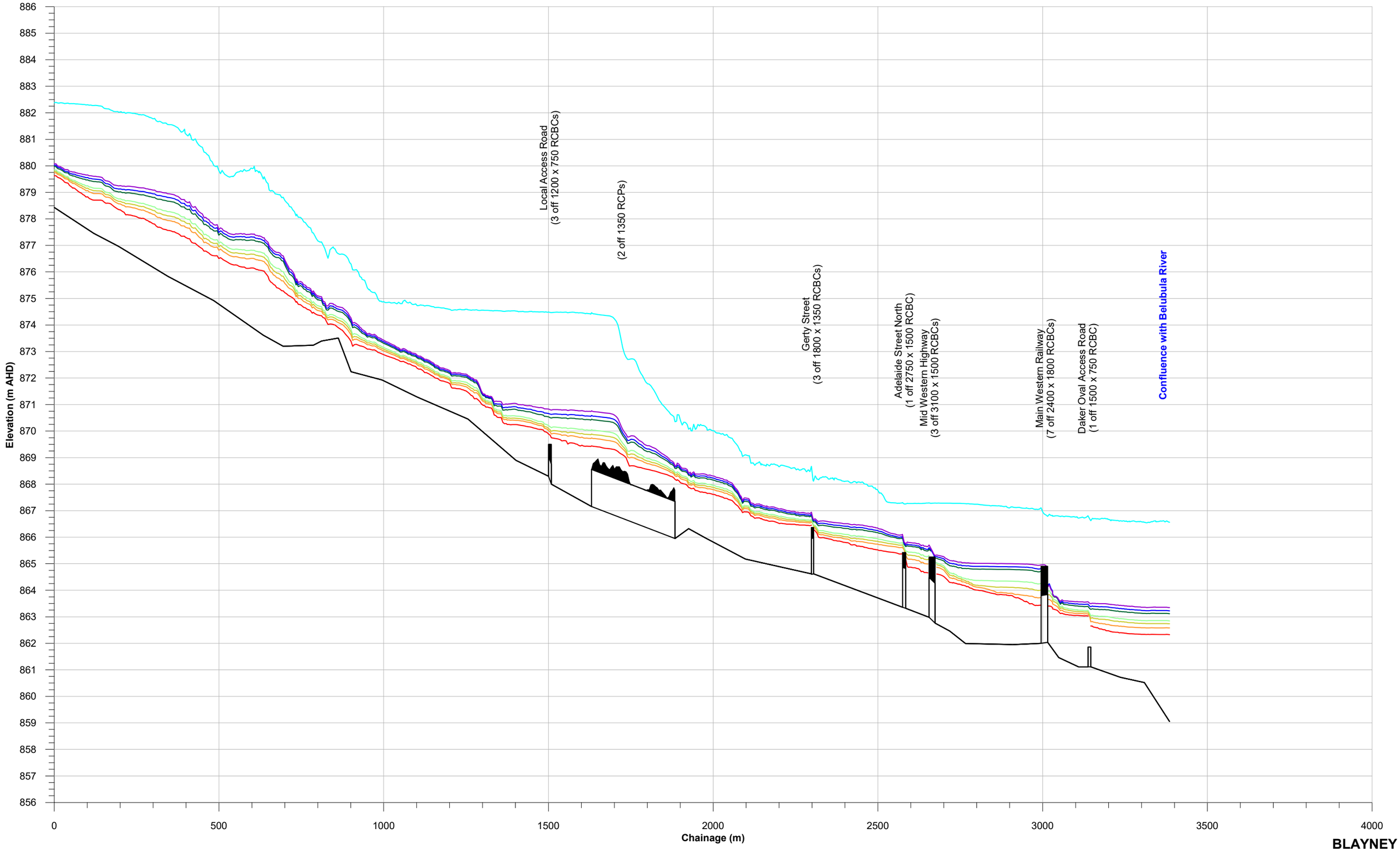
BLAYNEY
FLOOD STUDY UPDATE

Figure 6.10
(Sheet 2 of 3)

WATER SURFACE PROFILES
DESIGN FLOOD EVENTS

ABATTOIR CREEK



LEGEND

PMF	5% AEP
0.2% AEP	10% AEP
0.5% AEP	20% AEP
1% AEP	50% AEP

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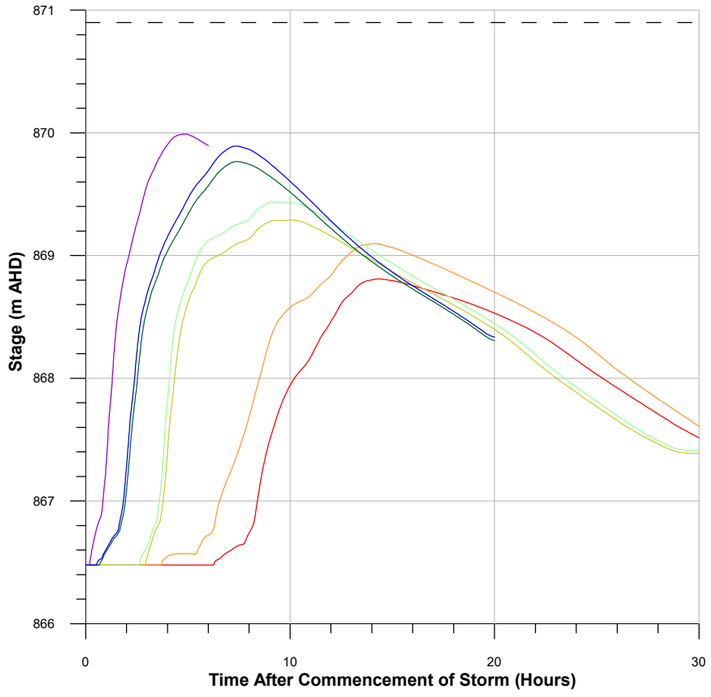
BLAYNEY
FLOOD STUDY UPDATE

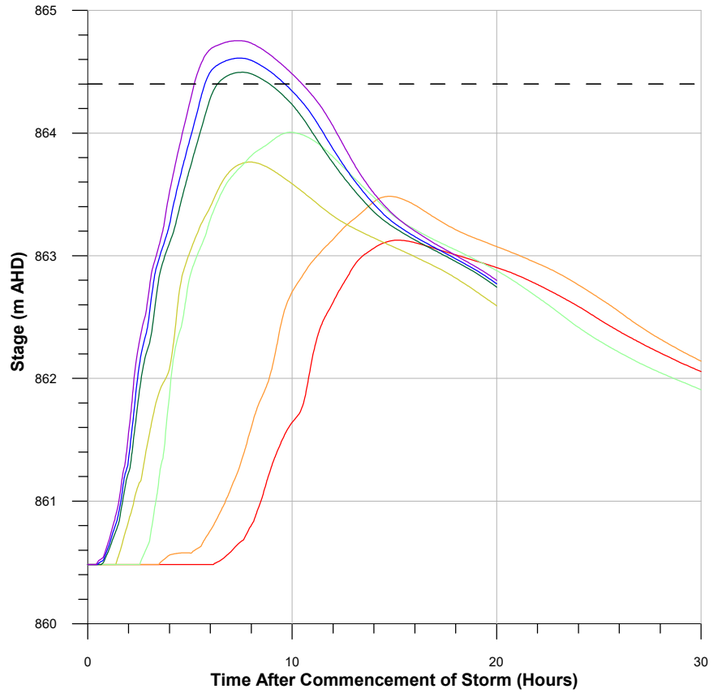
Figure 6.10
(Sheet 3 of 3)

WATER SURFACE PROFILES
DESIGN FLOOD EVENTS

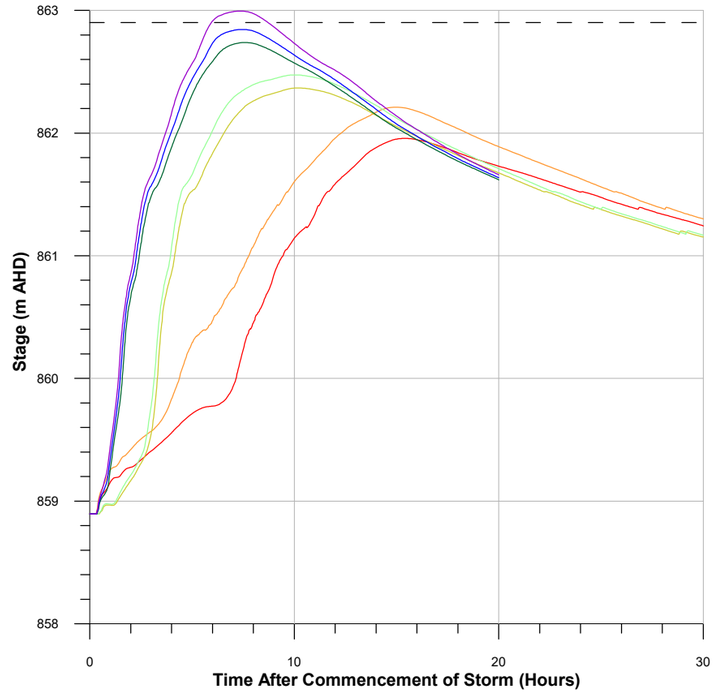
H01 - BELUBULA RIVER AT MID-WESTERN HIGHWAY



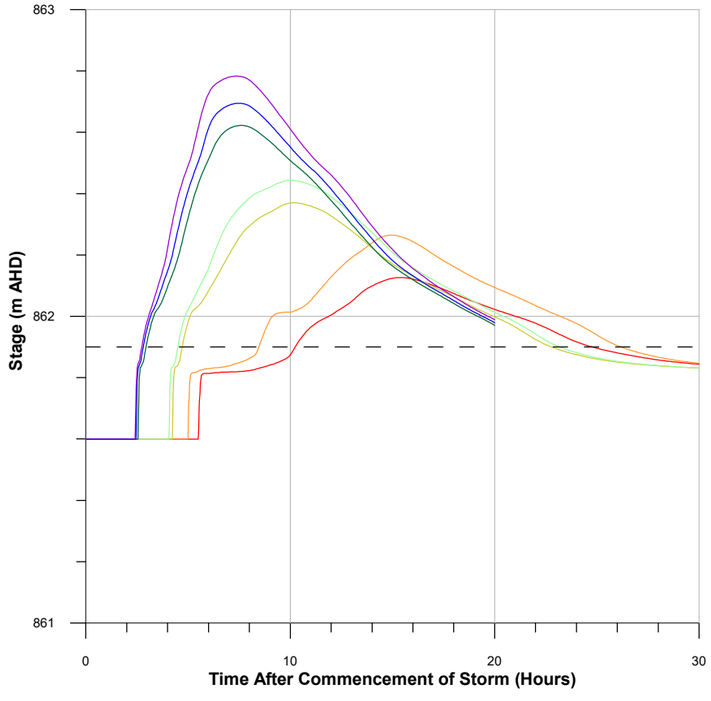
H02 - BELUBULA RIVER AT MAIN WESTERN RAILWAY



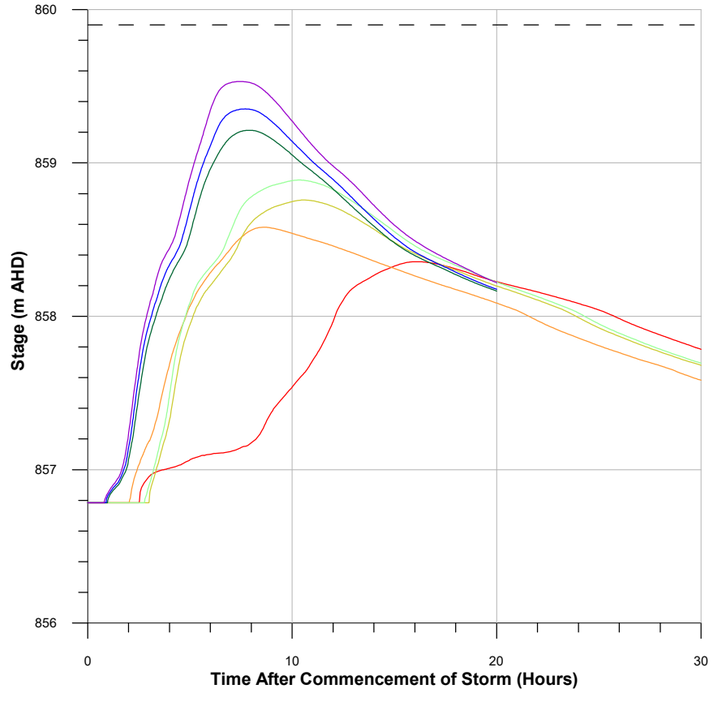
H03a - BELUBULA RIVER AT NEWBRIDGE ROAD



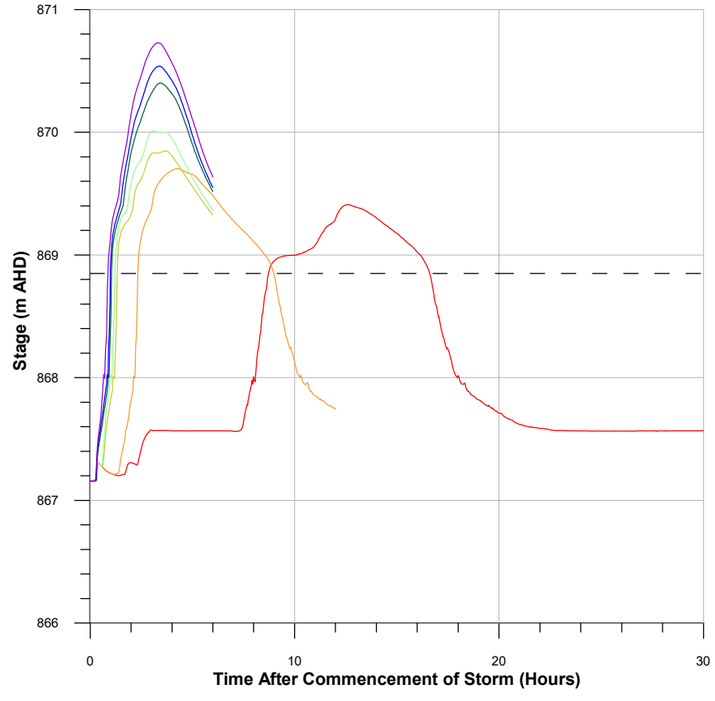
H03b - BELUBULA RIVER EASTERN OVERBANK AT NEWBRIDGE ROAD



H04 - BELUBULA RIVER AT HOBBYS YARDS ROAD



H05 - ABATTOIR CREEK AT DISUSED ABATTOIR



LEGEND

0.2% AEP	10% AEP
0.5% AEP	20% AEP
1% AEP	50% AEP
5% AEP	Road/Railway/Spillway

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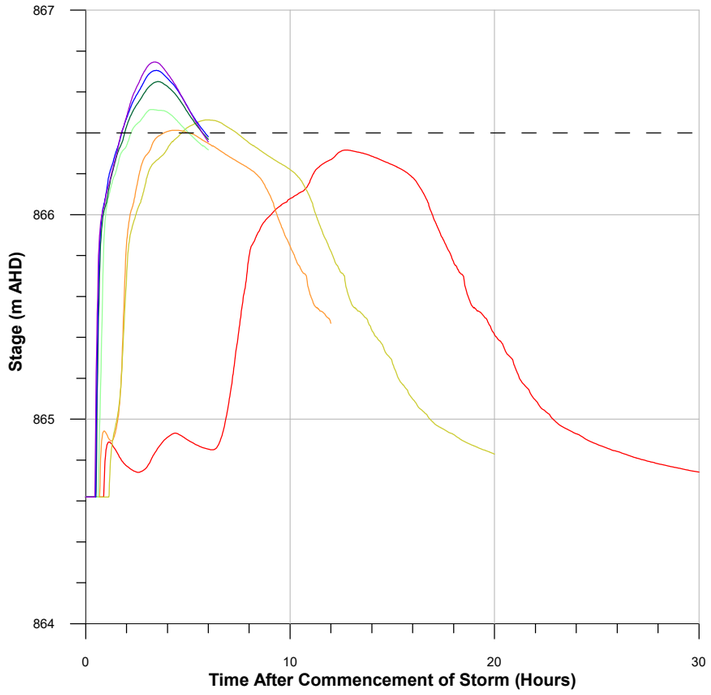
BLAYNEY
FLOOD STUDY UPDATE

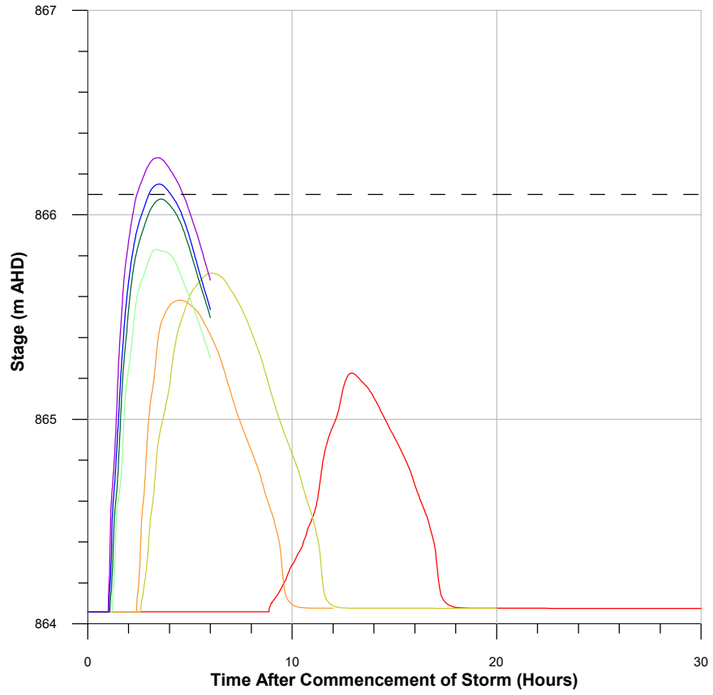
Figure 6.11
(Sheet 1 of 2)

STAGE HYDROGRAPHS
DESIGN FLOOD EVENTS

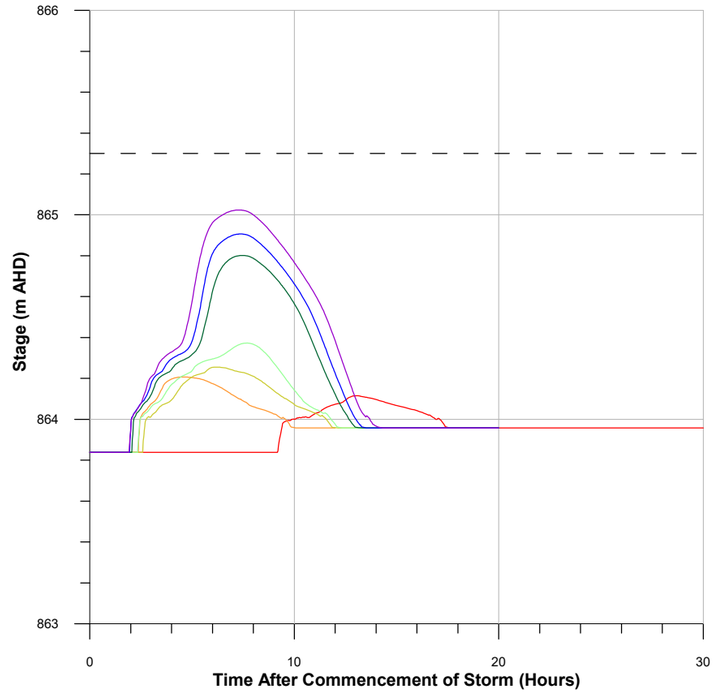
H06 - ABATTOIR CREEK AT GERTY STREET



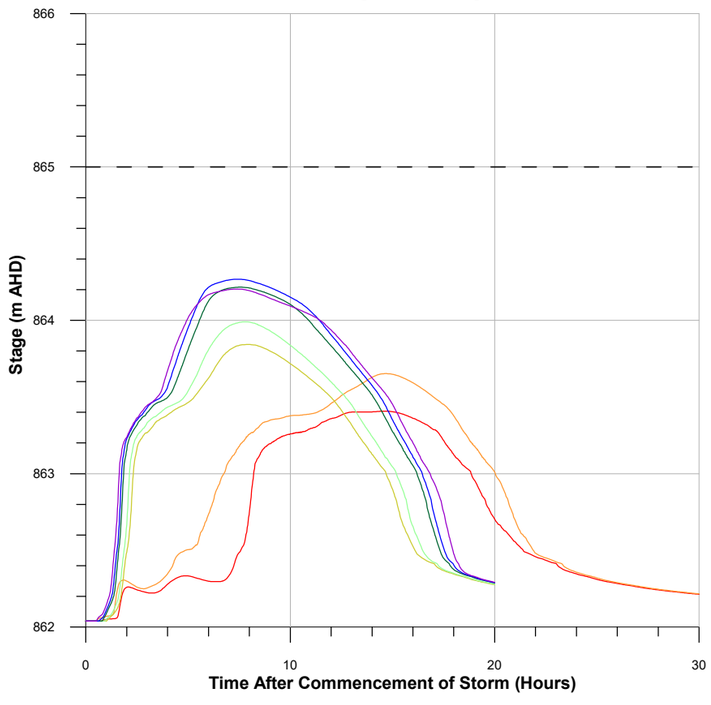
H07 - ABATTOIR CREEK AT ADELAIDE STREET



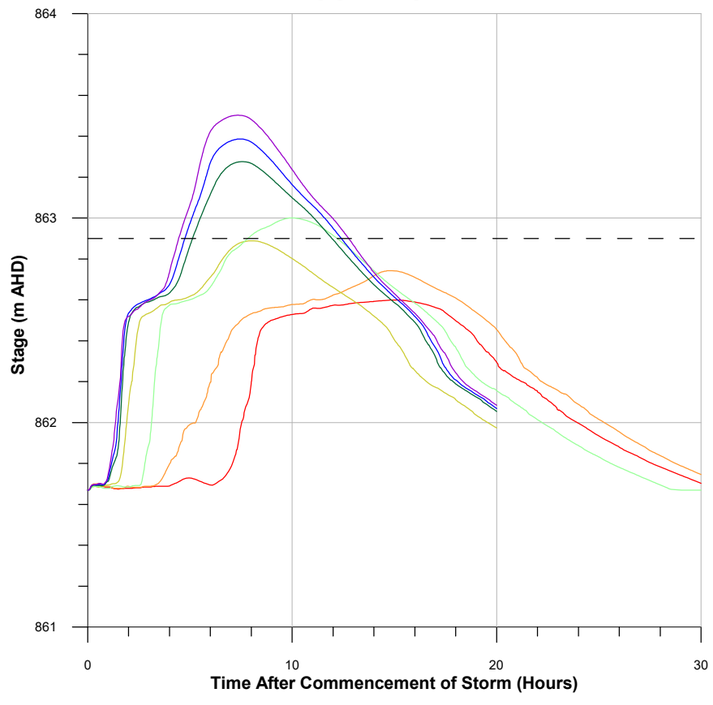
H08 - ABATTOIR CREEK AT MID-WESTERN HIGHWAY



H09 - ABATTOIR CREEK AT MAIN WESTERN HIGHWAY



H10 - ABATTOIR CREEK AT OGILVY STREET



LEGEND

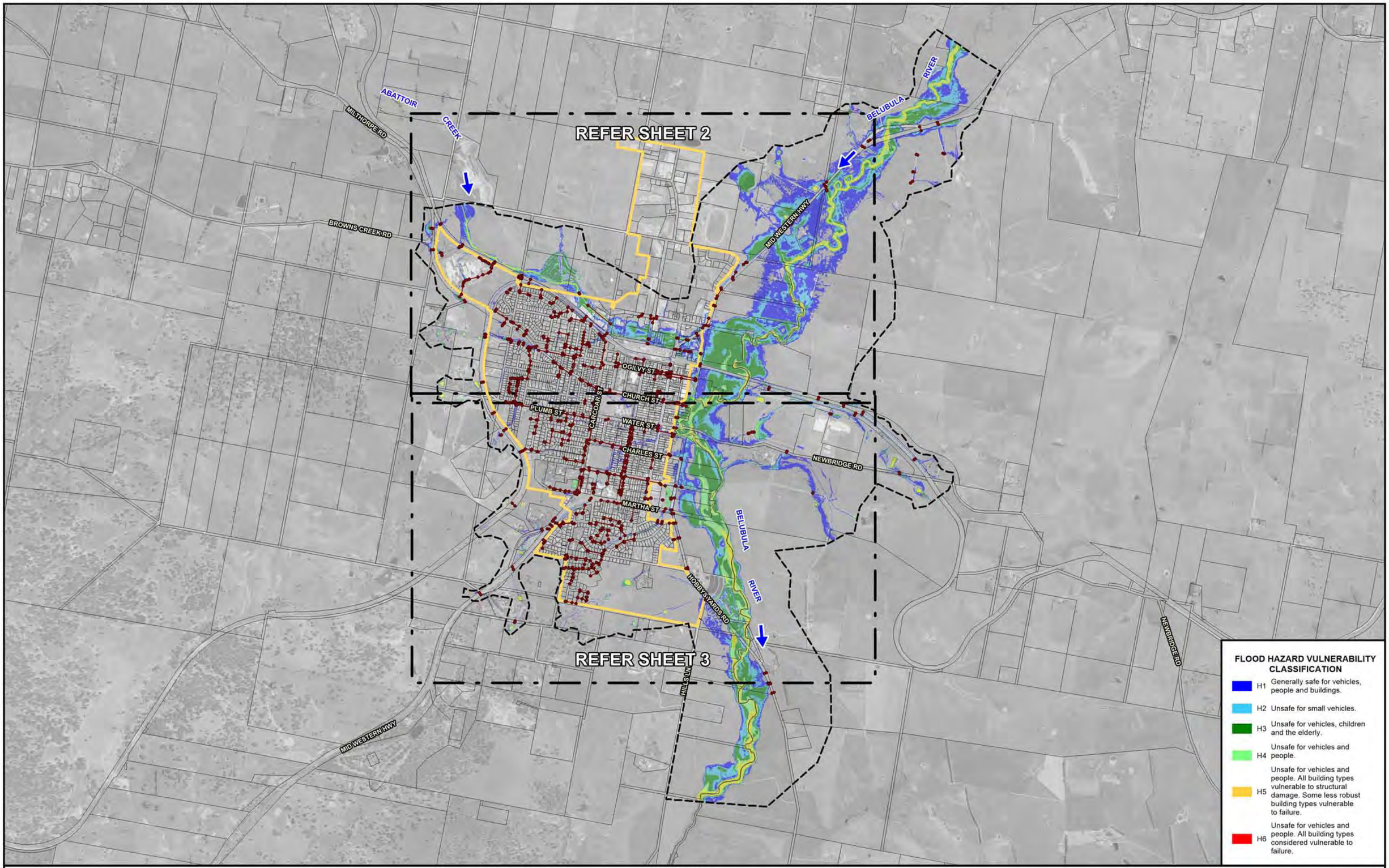
0.2% AEP	10% AEP
0.5% AEP	20% AEP
1% AEP	50% AEP
5% AEP	Road/Railway/Spillway

Lyall & Associates

BLAYNEY
FLOOD STUDY UPDATE

Figure 6.11
(Sheet 2 of 2)

STAGE HYDROGRAPHS
DESIGN FLOOD EVENTS



N

300 0 300 600 900 m

Scale: 1:30,000

Lyall & Associates

NOTE:
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TUFLOW model results not shown within the footprint of existing buildings.

LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre

BLAYNEY FLOOD STUDY UPDATE

Figure 6.12
(Sheet 1 of 3)

FLOOD HAZARD VULNERABILITY CLASSIFICATION
5% AEP

FLOOD HAZARD VULNERABILITY CLASSIFICATION

- H1 Generally safe for vehicles, people and buildings.
- H2 Unsafe for small vehicles.
- H3 Unsafe for vehicles, children and the elderly.
- H4 Unsafe for vehicles and people.
- H5 Unsafe for vehicles and people. All building types vulnerable to structural damage. Some less robust building types vulnerable to failure.
- H6 Unsafe for vehicles and people. All building types considered vulnerable to failure.

LAWSON ST
MARSHALLS LN
GERTY ST
MAIN WESTERN RAILWAY
MID WESTERN HWY
BELUBULA
RIVER
EVANS CR
JOHNSTON CR
MILTHORPE RD
PALMER ST
EWIN ST
BLAYNEY DEMONDRILLE RAILWAY
TORRENS ST
HAWKE ST
TUCKER ST
RAPHAEL ST
BURTON ST
DOUST ST
HILL ST
ADELAIDE ST
ABATTOIR
CREEK
BINSTEAD ST
BEAUFORT ST
OGILVY ST
FRAPE ST
WHITTAKER LN
LANE ST
MARSH ST
CHURCH ST
PALMER ST
HOWES CCT
OLIVER ST
GILCHRIST ST
COOPER ST
MARSDEN ST
STINSON ST
LINDSAY ST

JOINS SHEET 3

N

100 0 100 200 300 m

Scale: 1:10,000

NOTE:

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LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre

Lyall & Associates

BLAYNEY
FLOOD STUDY UPDATE

Figure 6.12
(Sheet 2 of 3)

FLOOD HAZARD VULNERABILITY CLASSIFICATION
5% AEP

JOINS SHEET 2

MARSH ST
PLUMB ST
STARR PL
PERCY ST
CARCOAR ST
OSMAN ST
ADELAIDE ST
HENRY ST
MAPLE CR
PIGGOTT PL
ROWLANDS ST
CHARLES ST
AMOS AV
QUEEN ST
ADELAIDE LN
NEWBRIDGE RD
STILLINGFLEET ST
LOVER FARM ST
MORRIS ST
MARTHA ST
MEDWAY ST
SOMERS PL
ATHOL ST
TERRAGON ST
POLONA ST
LOVEJOY AV
NAPIER ST
PRICES LN
BELUBULA RIVER
BLAYNEY DEMONDRILLE RAILWAY
MID WESTERN HWY
ST VINCENT WELSH WAY
LUCKS LN
HOBBYS YARDS RD

FLOOD HAZARD VULNERABILITY CLASSIFICATION

H1	Generally safe for vehicles, people and buildings.
H2	Unsafe for small vehicles.
H3	Unsafe for vehicles, children and the elderly.
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N

100 0 100 200 300 m

Scale: 1:10,000

Lyall & Associates

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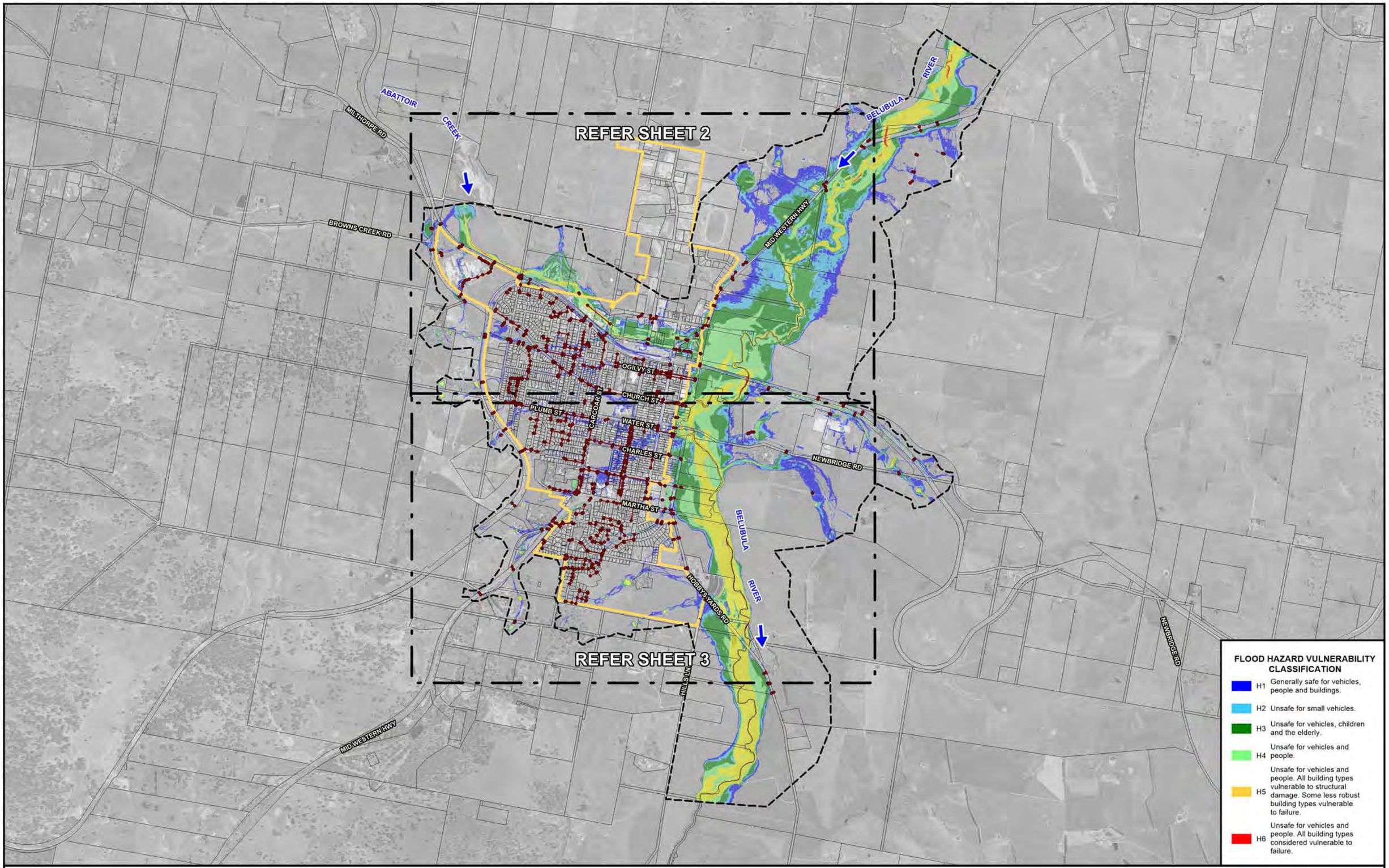
LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre

BLAYNEY FLOOD STUDY UPDATE

Figure 6.12
(Sheet 3 of 3)

FLOOD HAZARD VULNERABILITY CLASSIFICATION
5% AEP



N

300 0 300 600 900 m

Scale: 1:30,000

NOTE:

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LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre

Lyall & Associates

BLAYNEY FLOOD STUDY UPDATE

Figure 6.13
(Sheet 1 of 3)

FLOOD HAZARD VULNERABILITY CLASSIFICATION
1% AEP

FLOOD HAZARD VULNERABILITY CLASSIFICATION

- H1 Generally safe for vehicles, people and buildings.
- H2 Unsafe for small vehicles.
- H3 Unsafe for vehicles, children and the elderly.
- H4 Unsafe for vehicles and people.
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LAWSON ST
MARSHALLS LN
GERTY ST
MAIN WESTERN RAILWAY
MILTHORPE RD
BYANS CR
JOHNSTON CR
PALMER ST
EWIN ST
TORRENS ST
HAWKE ST
TUCKER ST
RAPHAEL ST
BURTON ST
DOUST ST
BLAYNEY DEMONDRILLE RAILWAY
BEAUFORT ST
FRAPE ST
WHITTAKER LN
LANE ST
MARSH ST
PALMER ST
HOWES CCT
OLIVER ST
GILCHRIST ST
COOPER ST
MARSDEN ST
STINSON ST
BINSTEAD ST
LINDSAY ST
OGILVY ST
CHURCH ST
ABATTOIR CREEK
HILL ST
ADELAIDE ST
MIDWESTERN HWY
RIVER
BELUBULA
JOINS SHEET 3

N

100 0 100 200 300 m

Scale: 1:10,000

Lyall & Associates

NOTE:

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LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre

BLAYNEY FLOOD STUDY UPDATE

Figure 6.13
(Sheet 2 of 3)

FLOOD HAZARD VULNERABILITY CLASSIFICATION
1% AEP

JOINS SHEET 2

MARSH ST
PLUMB ST
STARR PL
PERCY ST
CARCOAR ST
OSMAN ST
ADELAIDE ST
HENRY ST
MAPLE CR
PIGGOTT PL
ROWLANDS ST
CHARLES ST
AMOS AV
CARCOAR ST
QUEEN ST
OSMAN ST
ADELAIDE LN
ADELAIDE ST
LOWER FARM ST
NEWBRIDGE RD
STILLINGFLEET ST
MORRIS ST
MARTHA ST
MEDWAY ST
SOMERS PL
ATHOL ST
CHARLES ST
TERRAGONG ST
POLONA ST
NAPIER ST
POLONA ST
LOVEJOY AV
PRICES LN
BELUBULA RIVER
BLAYNEY DEMONDRILLE RAILWAY
MID WESTERN HWY
ST VINCENT WELSH WAY
LUCKS LN
HOBBYS YARDS RD

FLOOD HAZARD VULNERABILITY CLASSIFICATION

H1	Generally safe for vehicles, people and buildings.
H2	Unsafe for small vehicles.
H3	Unsafe for vehicles, children and the elderly.
H4	Unsafe for vehicles and people.
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N

100 0 100 200 300 m

Scale: 1:10,000

Lyall & Associates

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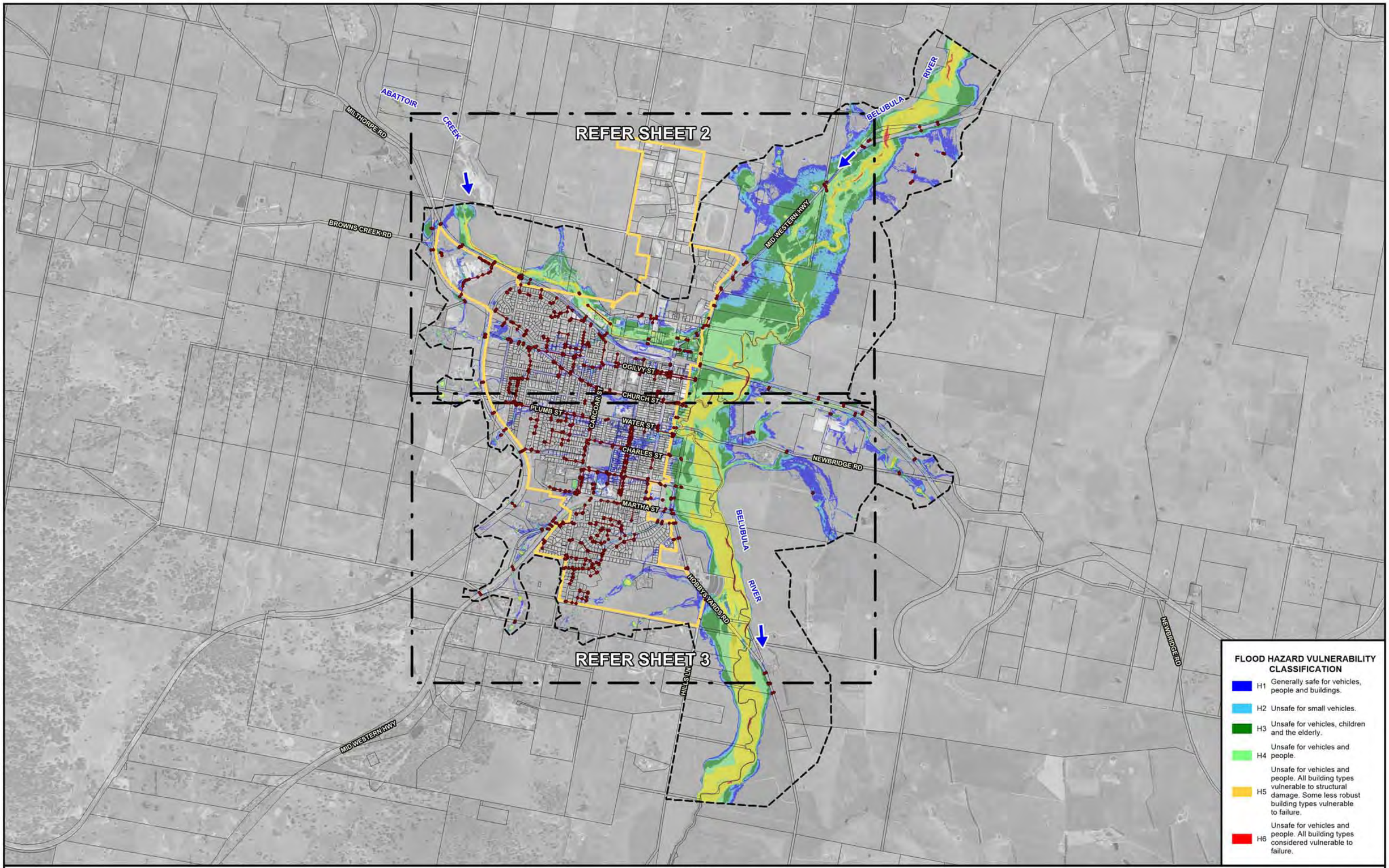
LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre

BLAYNEY FLOOD STUDY UPDATE

Figure 6.13
(Sheet 3 of 3)

FLOOD HAZARD VULNERABILITY CLASSIFICATION
1% AEP



N

300 0 300 600 900 m

Scale: 1:30,000

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TUFLOW model results not shown within the footprint of existing buildings.

LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre

Lyall & Associates

BLAYNEY FLOOD STUDY UPDATE

Figure 6.14
(Sheet 1 of 3)

FLOOD HAZARD VULNERABILITY CLASSIFICATION
0.5% AEP

FLOOD HAZARD VULNERABILITY CLASSIFICATION

- H1 Generally safe for vehicles, people and buildings.
- H2 Unsafe for small vehicles.
- H3 Unsafe for vehicles, children and the elderly.
- H4 Unsafe for vehicles and people.
- H5 Unsafe for vehicles and people. All building types vulnerable to structural damage. Some less robust building types vulnerable to failure.
- H6 Unsafe for vehicles and people. All building types considered vulnerable to failure.

LAWSON ST
MARSHALLS LN
GERTY ST
MAIN WESTERN RAILWAY
MID WESTERN HWY
BELUBULA RIVER
MILTHORPE RD
EVANS CR
JOHNSTON CR
PALMER ST
EWIN ST
BLAYNEY DEMONDRILLE RAILWAY
TORRENS ST
HAWKE ST
TUCKER ST
RAPHAEL ST
BURTON ST
DOUST ST
HILL ST
ADELAIDE ST
ABATTOIR CREEK
BEAUFORT ST
BINSTEAD ST
OGILVY ST
FRAPE ST
WHITTAKER LN
HOYKES CCT
OLIVER ST
GILCHRIST ST
COOPER ST
MARSDEN ST
STINSON ST
LINDSAY ST
LANE ST
CHURCH ST
MARSH ST

JOINS SHEET 3

N

100 0 100 200 300 m

Scale: 1:10,000

Lyall & Associates

NOTE:

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TUFLOW model results not shown within the footprint of existing buildings.

LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre

BLAYNEY
FLOOD STUDY UPDATE

Figure 6.14
(Sheet 2 of 3)

FLOOD HAZARD VULNERABILITY CLASSIFICATION
0.5% AEP

JOINS SHEET 2

MARSH ST
PLUMB ST
STARR PL
PERCY ST
CARCOAR ST
OSMAN ST
ADELAIDE ST
HENRY ST
PIGGOTT PL
MAPLE CR
ROWLANDS ST
CHARLES ST
AMOS AV
QUEEN ST
ADELAIDE LN
LOWER FARM ST
NEWBRIDGE RD
STILLINGFLEET ST
MORRIS ST
MARTHA ST
MEDWAY ST
SOMERS PL
ATHOL ST
TERRACONG ST
POLONA ST
LOVEJOY AV
NAPIER ST
PRICES LN
BELUBULA RIVER
BLAYNEY DEMONDRILLE RAILWAY
MID WESTERN HWY
ST VINCENT WELSH WAY
LUCKS LN
HOBBYS YARDS RD

FLOOD HAZARD VULNERABILITY CLASSIFICATION

H1	Generally safe for vehicles, people and buildings.
H2	Unsafe for small vehicles.
H3	Unsafe for vehicles, children and the elderly.
H4	Unsafe for vehicles and people.
H5	Unsafe for vehicles and people. All building types vulnerable to structural damage. Some less robust building types vulnerable to failure.
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N

100 0 100 200 300 m

Scale: 1:10,000

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LEGEND

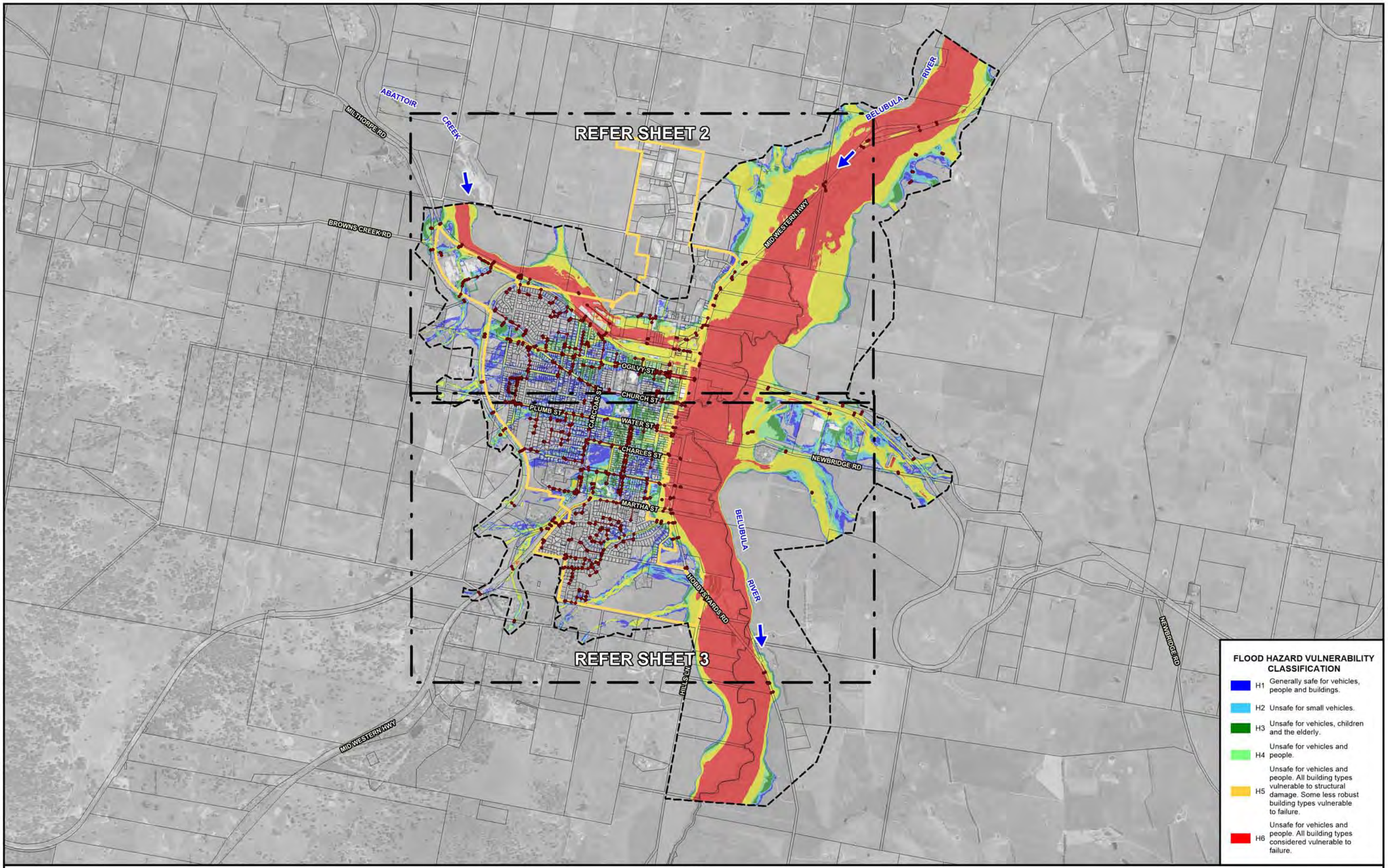
- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre

Lyall & Associates

BLAYNEY FLOOD STUDY UPDATE

Figure 6.14
(Sheet 3 of 3)

FLOOD HAZARD VULNERABILITY CLASSIFICATION
0.5% AEP



N

300 0 300 600 900 m

Scale: 1:30,000

Lyall & Associates

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LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre

BLAYNEY FLOOD STUDY UPDATE

Figure 6.15
(Sheet 1 of 3)

FLOOD HAZARD VULNERABILITY CLASSIFICATION
PMF

FLOOD HAZARD VULNERABILITY CLASSIFICATION

- H1 Generally safe for vehicles, people and buildings.
- H2 Unsafe for small vehicles.
- H3 Unsafe for vehicles, children and the elderly.
- H4 Unsafe for vehicles and people.
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LAWSON ST
MARSHALLS LN
GERTY ST
MAIN WESTERN RAILWAY
MID WESTERN HWY
BELUBULA
RIVER
EVANS CT
JOHNSTON CR
PALMER ST
EWIN ST
MILTHORPE RD
BLAYNEY DEMONDRILLE RAILWAY
TORRENS ST
HAWKE ST
TUCKER ST
RAPHAEL ST
BURTON ST
DOUST ST
HILL ST
ADELAIDE ST
ABATTOIR
CREEK
BINSTEAD ST
BEAUFORT ST
OGILVY ST
FRAPE ST
WHITTAKER LN
LANE ST
CHURCH ST
MARSH ST
PALMER ST
HOWES CCT
OLIVER ST
GILCHRIST ST
COOPER ST
MARSDEN ST
STINSON ST
LINDSAY ST

JOINS SHEET 3

N

100 0 100 200 300 m

Scale: 1:10,000

Lyall & Associates

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LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre

BLAYNEY FLOOD STUDY UPDATE

Figure 6.15
(Sheet 2 of 3)

FLOOD HAZARD VULNERABILITY CLASSIFICATION
PMF

JOINS SHEET 2

MARSH ST
PLUMB ST
STARR PL
PERCY ST
CARCOAR ST
OSMAN ST
ADELAIDE ST
HENRY ST
MAPLE CR
PIGGOTT PL
ROWLANDS ST
CHARLES ST
AMOS AV
QUEEN ST
ADELAIDE LN
NEWBRIDGE RD
STILLINGFLEET ST
LOWER FARM ST
MORRIS ST
MARTHA ST
MEDWAY ST
SOMERS PL
BLAYNEY DEMONDRILLE RAILWAY
ATHOL ST
CHARLES ST
TERRAGONG ST
POLONA ST
NAPIER ST
LOVEJOY AV
PRICES LN
BELUBULA RIVER
MID WESTERN HWY
ST VINCENT WELSH WAY
HOBBYS YARDS RD
LUCKS LN

FLOOD HAZARD VULNERABILITY CLASSIFICATION

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N

100 0 100 200 300 m

Scale: 1:10,000

Lyall & Associates

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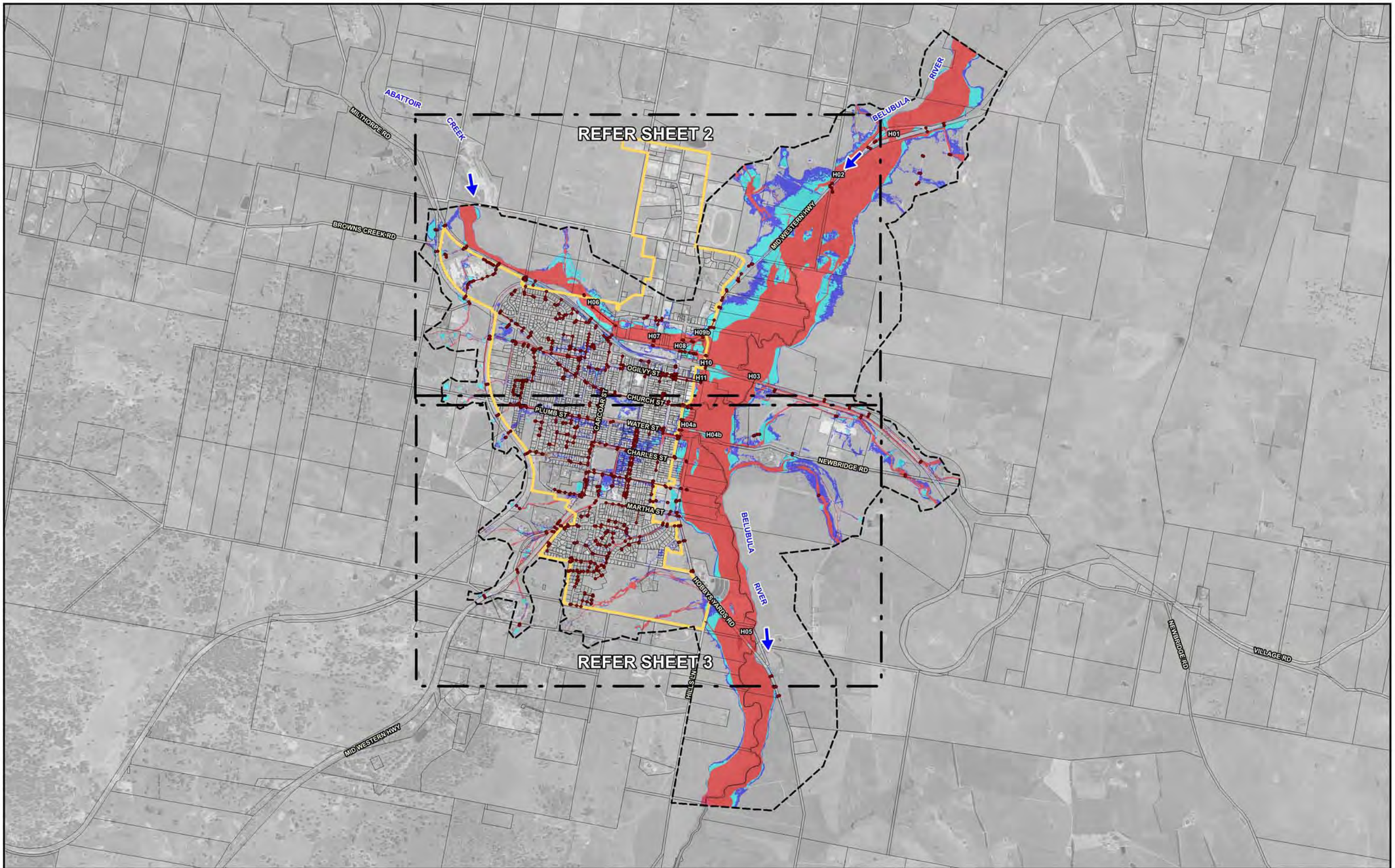
LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre

BLAYNEY FLOOD STUDY UPDATE

Figure 6.15
(Sheet 3 of 3)

FLOOD HAZARD VULNERABILITY CLASSIFICATION
PMF



N

300 0 300 600 900 m

Scale: 1:30,000

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TUFLOW model results not shown within the footprint of existing buildings.

LEGEND

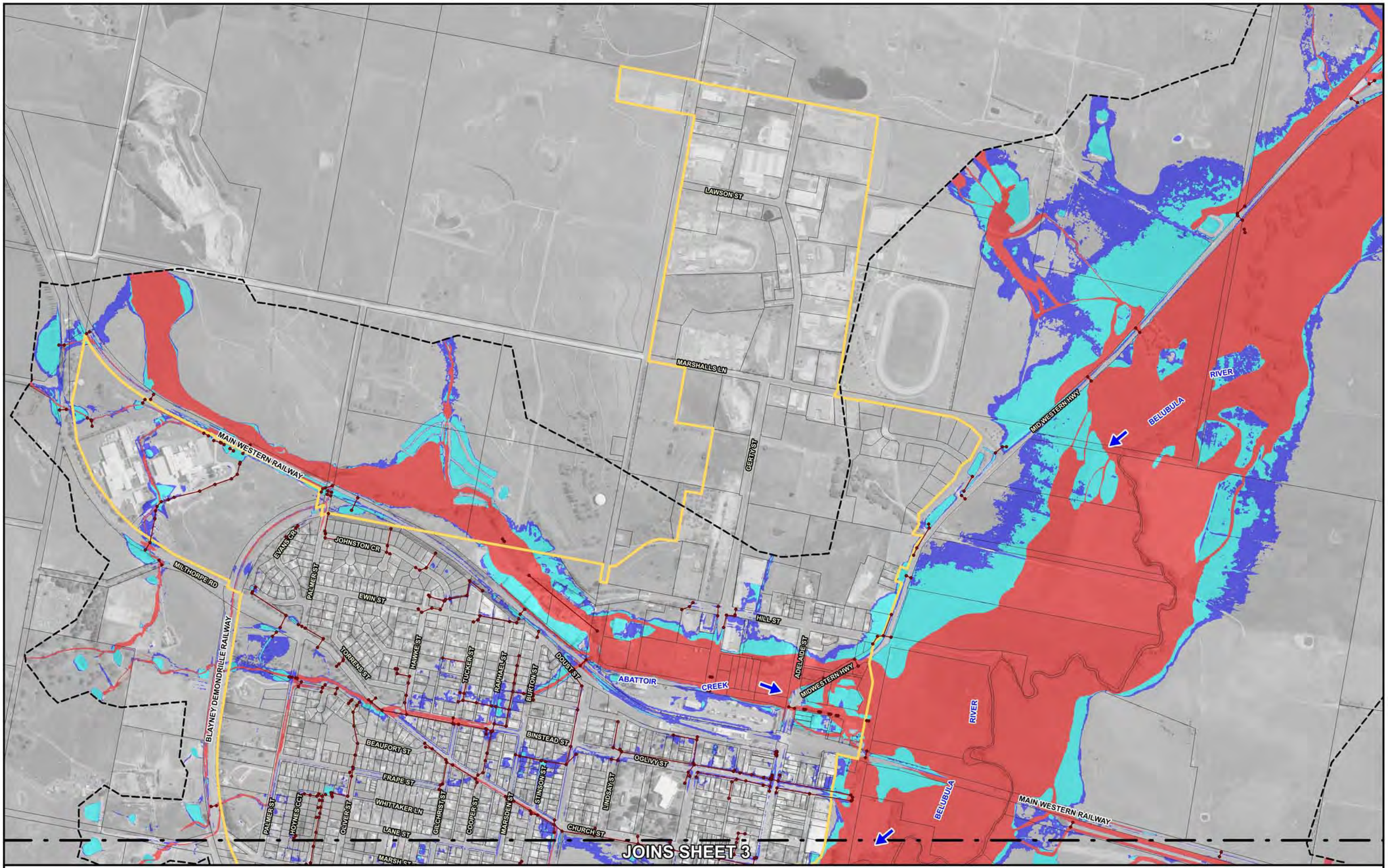
- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre
- Floodway
- Flood Storage
- Flood Fringe

Lyall & Associates

BLAYNEY
FLOOD STUDY UPDATE

Figure 6.16
(Sheet 1 of 3)

FLOOD FUNCTION
1% AEP



N

100 0 100 200 300 m

Scale: 1:10,000

Lyall & Associates

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LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre
- Floodway
- Flood Storage
- Flood Fringe

BLAYNEY FLOOD STUDY UPDATE

Figure 6.16
(Sheet 2 of 3)

FLOOD FUNCTION
1% AEP

JOINS SHEET 2

MARSH ST
PLUMB ST
STARR PL
PERCY ST
CARCOAR ST
OSMAN ST
ADELAIDE ST
HENRY ST
MAPLE CR
PIGGOTT PL
ROWLANDS ST
CHARLES ST
AMOS AV
CARCOAR ST
QUEEN ST
OSMAN ST
ADELAIDE LN
ADELAIDE ST
LOWER FARM ST
NEWBRIDGE RD
STILLINGFLEET ST
MORRIS ST
MARTHA ST
MEDWAY ST
SOMERS PL
BLAYNEY DEMONDRILLE RAILWAY
ATHOL ST
CHARLES ST
TERRAGONG ST
POLONA ST
POLONA ST
NAPIER ST
LOVEJOY AV
PRICES LN
BELUBULA RIVER
MID WESTERN HWY
ST VINCENT WELSH WAY
LUCKS LN
HOBBYS YARDS RD

N

100 0 100 200 300 m

Scale: 1:10,000

Lyall & Associates

NOTE:

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TUFLOW model results not shown within the footprint of existing buildings.

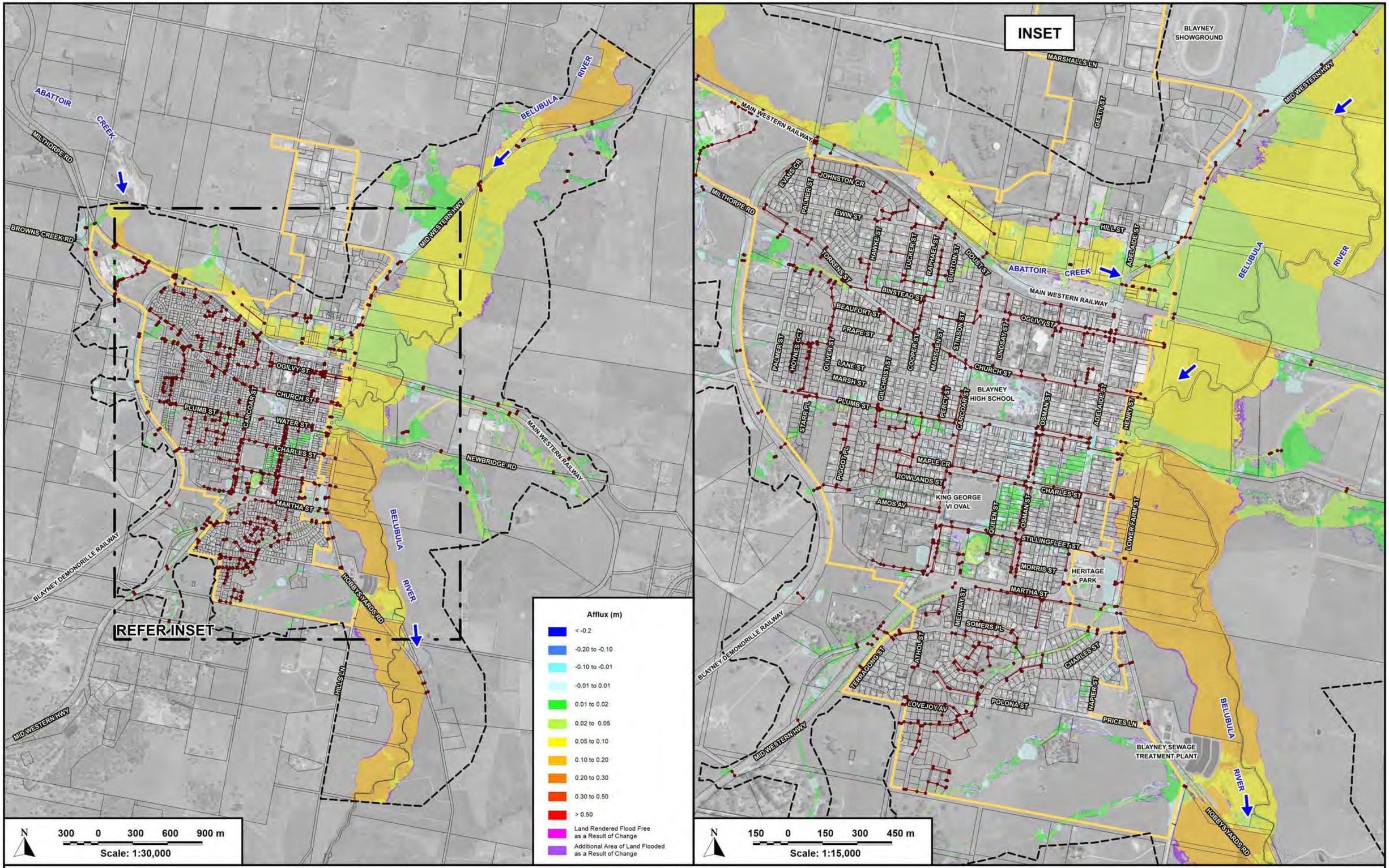
LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre
- Floodway
- Flood Storage
- Flood Fringe

BLAYNEY FLOOD STUDY UPDATE

Figure 6.16
(Sheet 3 of 3)

FLOOD FUNCTION
1% AEP



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LEGEND

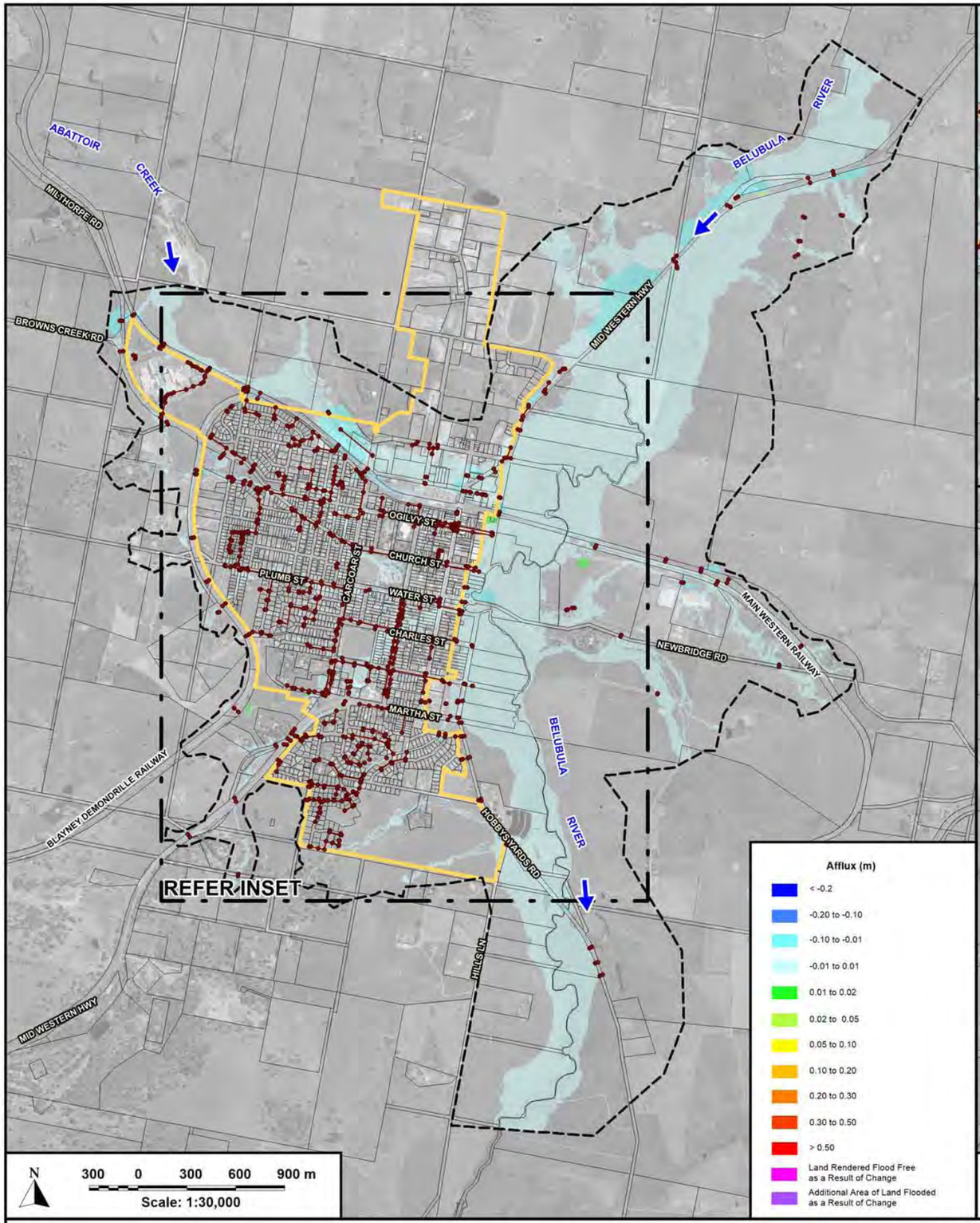
- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre

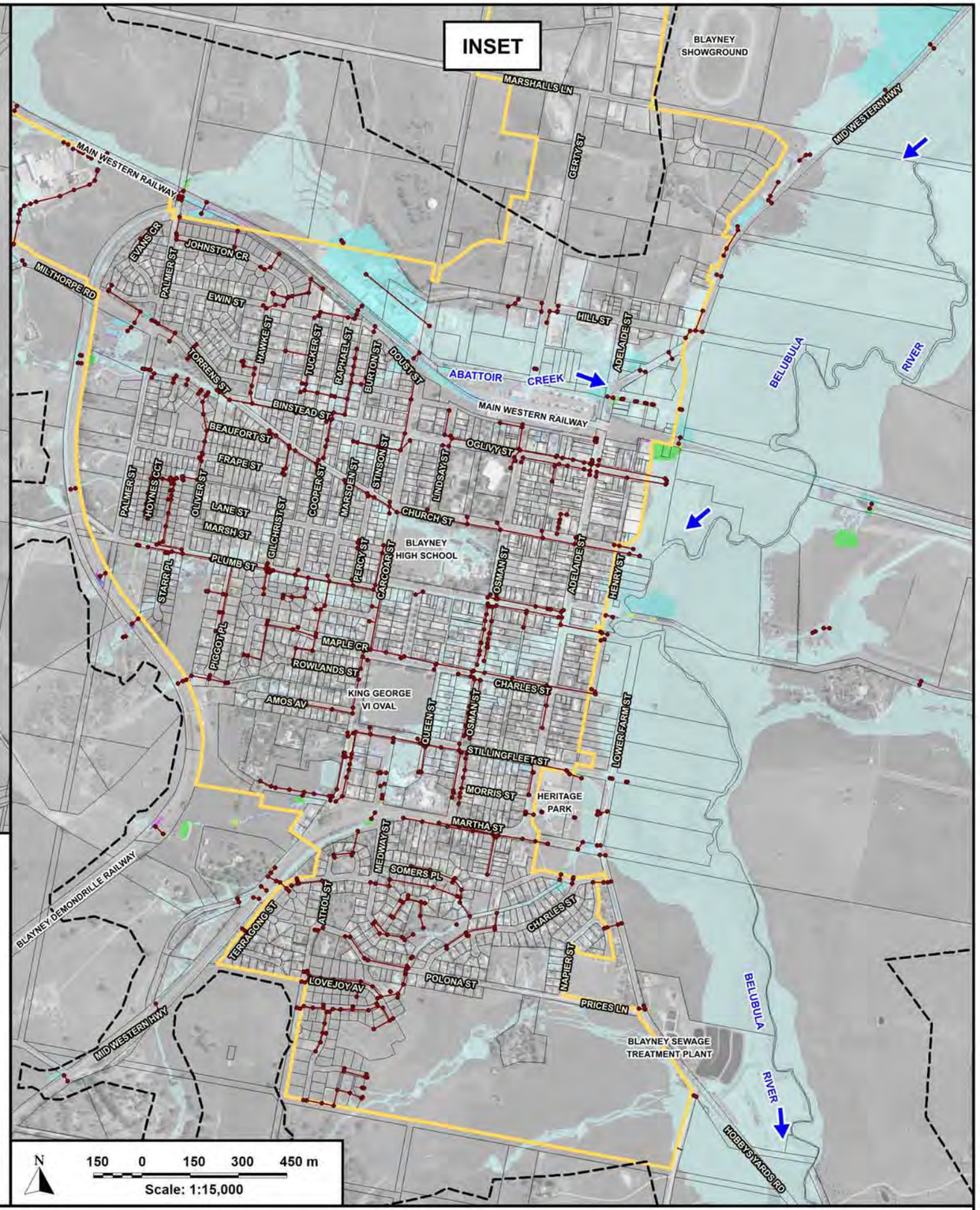
Lyall & Associates

BLAYNEY
FLOOD STUDY UPDATE

Figure 6.17

SENSITIVITY OF FLOOD BEHAVIOUR TO 20% INCREASE IN HYDRAULIC ROUGHNESS VALUES
1% AEP





NOTE:
The ground surface model incorporated in TUFLOW is based on LiDAR survey which has been sampled on a 2 m grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.

Flood depths are therefore approximate only and require interpretation by a suitably qualified engineer to determine flooding behaviour in individual allotments. Any assessment of flooding in individual allotments may also require a site survey.

TUFLOW model results not shown within the footprint of existing buildings.

LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre

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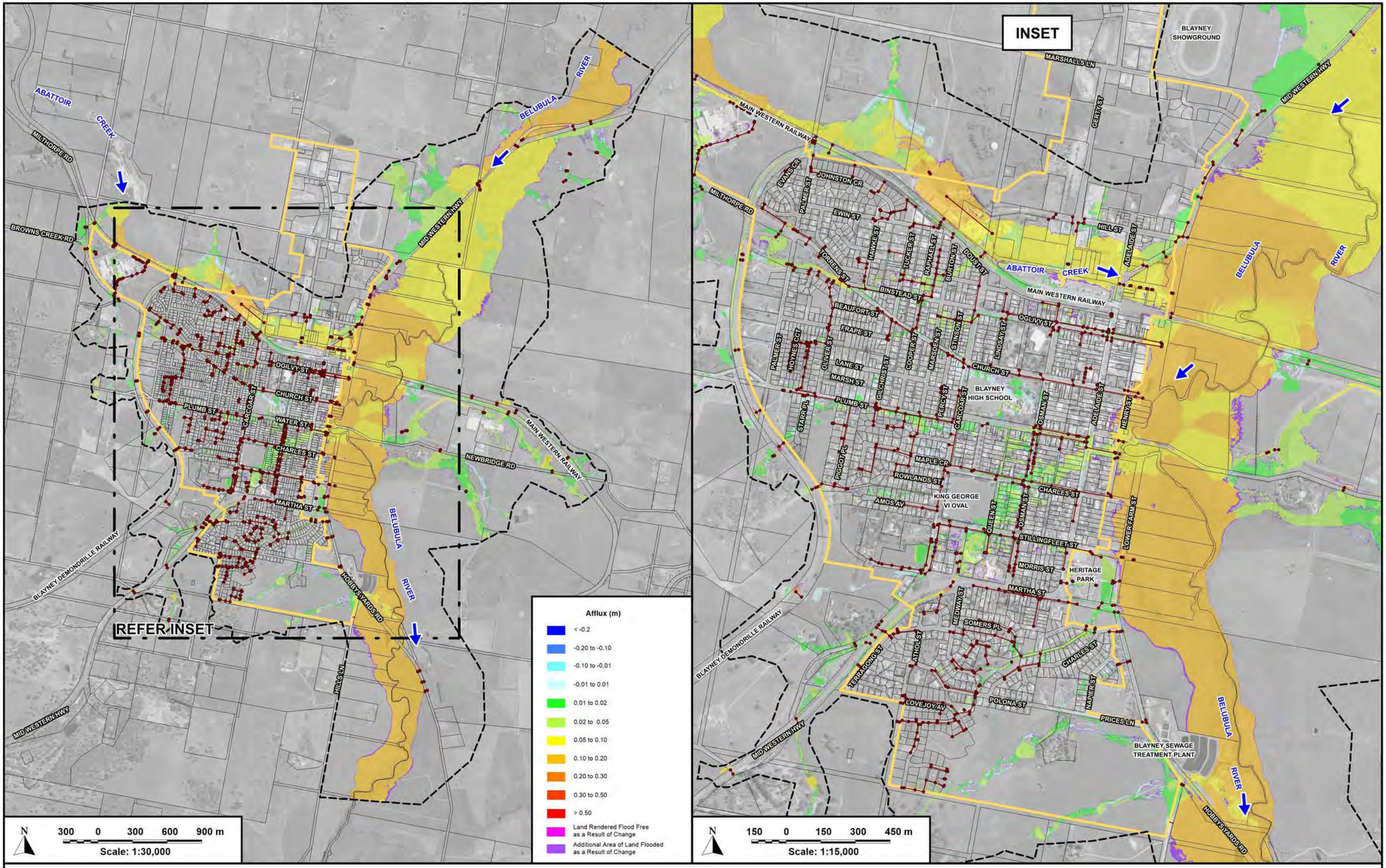
BLAYNEY FLOOD STUDY UPDATE

Figure 6.18

SENSITIVITY OF FLOOD BEHAVIOUR TO PARTIAL BLOCKAGE OF HYDRAULIC STRUCTURES
1% AEP



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TUFLOW model results not shown within the footprint of existing buildings.

LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre

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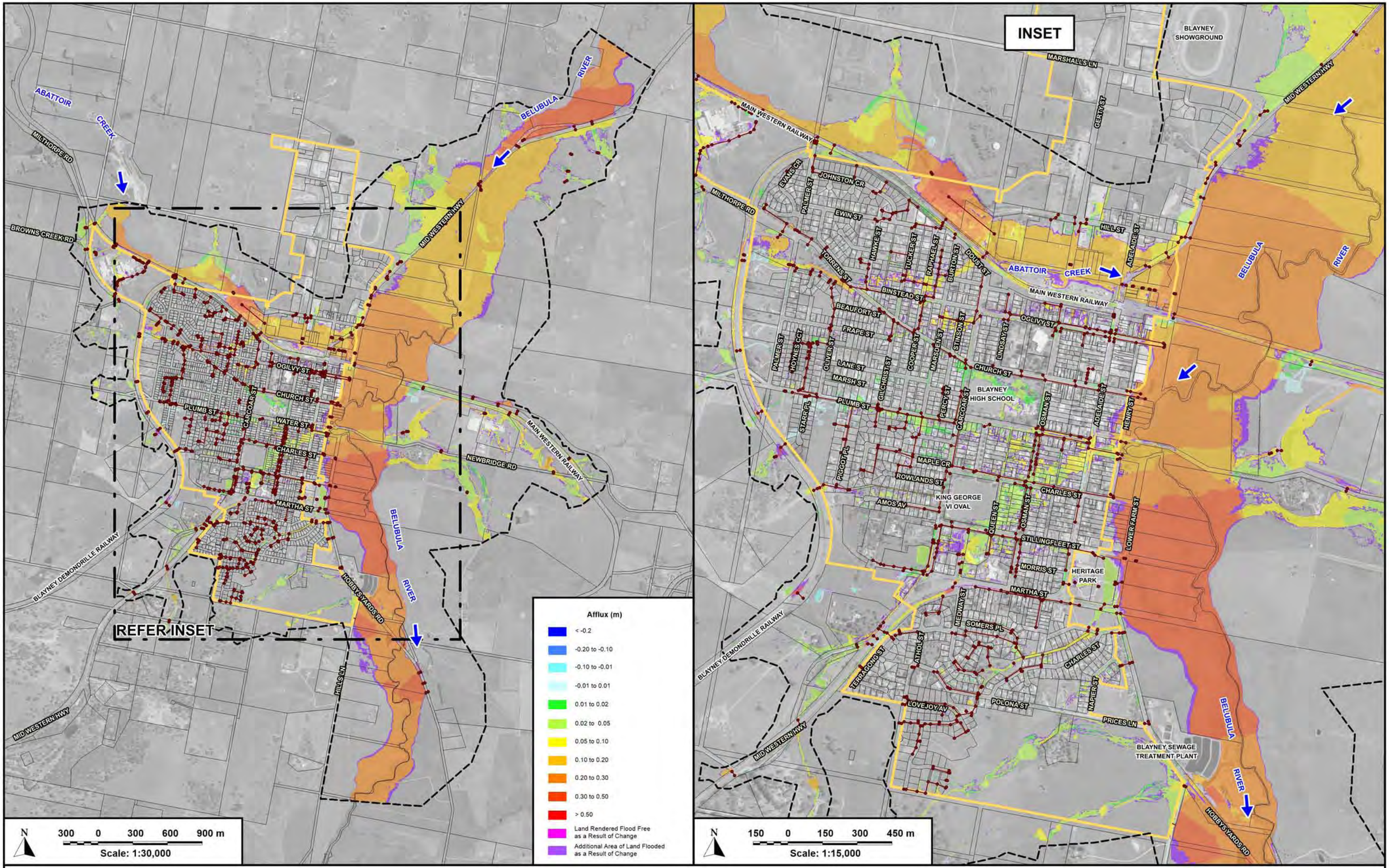
BLAYNEY FLOOD STUDY UPDATE

Figure 6.19

SENSITIVITY OF FLOOD BEHAVIOUR TO 10% INCREASE IN RAINFALL INTENSITY
1% AEP



NOTE:
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Flood depths are therefore approximate only and require interpretation by a suitably qualified engineer to determine flooding behaviour in individual allotments. Any assessment of flooding in individual allotments may also require a site survey.

TUFLOW model results not shown within the footprint of existing buildings.

LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre

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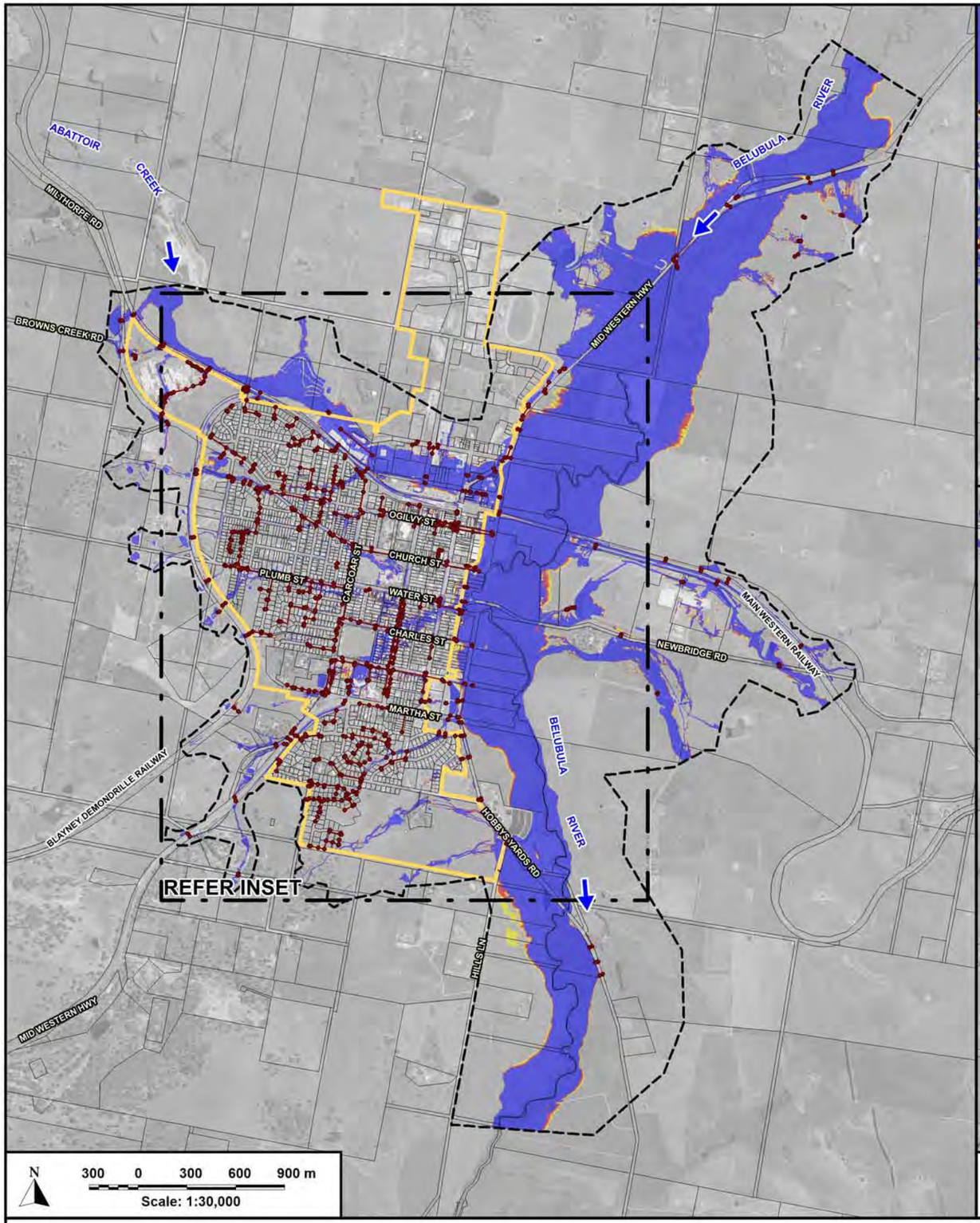
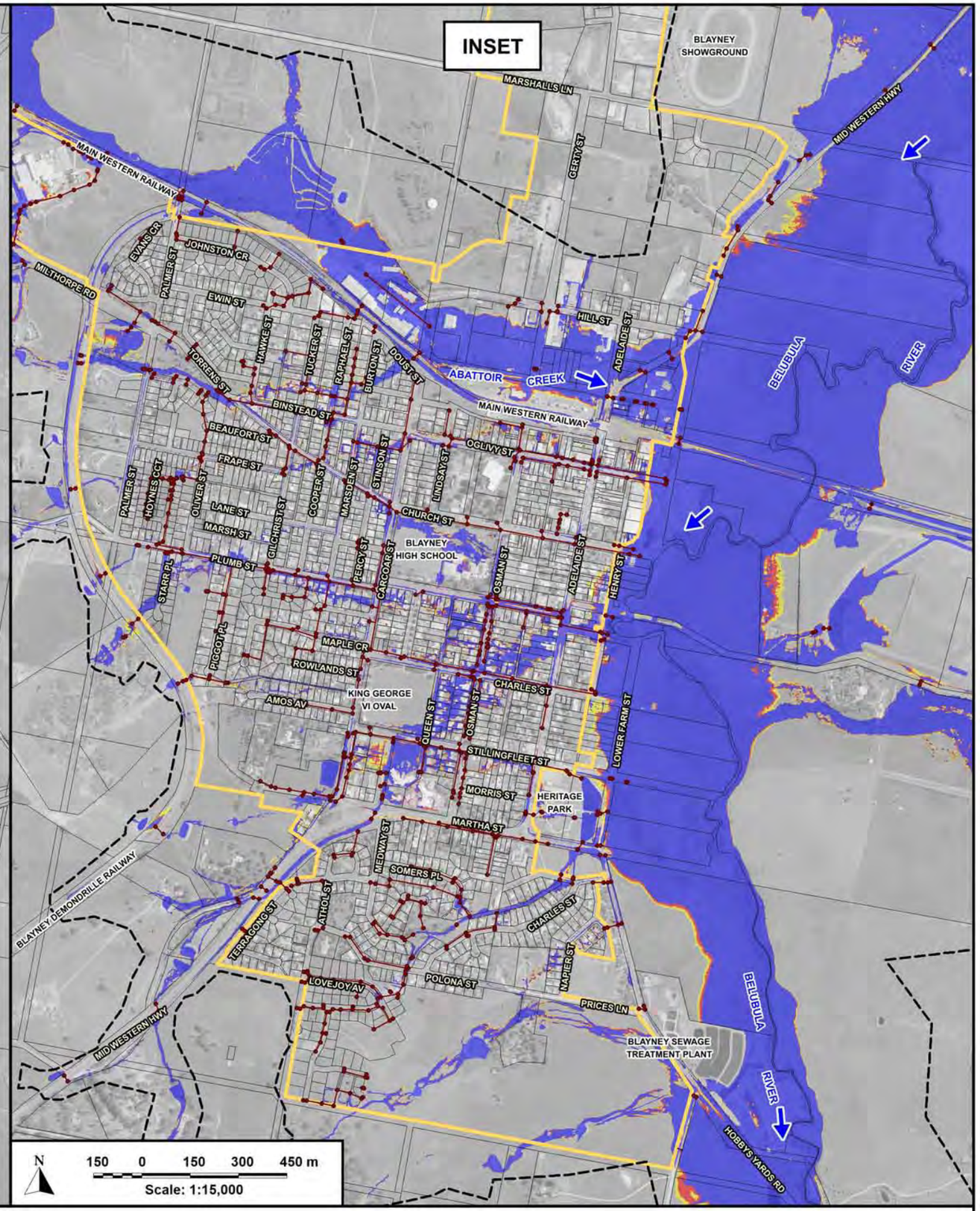
BLAYNEY
FLOOD STUDY UPDATE

Figure 6.20

SENSITIVITY OF FLOOD BEHAVIOUR TO 30% INCREASE IN RAINFALL INTENSITY
1% AEP





NOTE:
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Flood depths are therefore approximate only and require interpretation by a suitably qualified engineer to determine flooding behaviour in individual allotments. Any assessment of flooding in individual allotments may also require a site survey.

TUFLOW model results not shown within the footprint of existing buildings.

LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre
- 1% AEP
- 1% AEP Rainfall Increased by 10%
- 1% AEP Rainfall Increased by 30%

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BLAYNEY
FLOOD STUDY UPDATE

Figure 6.21

IMPACT OF INCREASED RAINFALL INTENSITIES ON EXTENT OF FLOODING
1% AEP

INSET

REFER INSET

Afflux (m)

- < -0.2
- -0.20 to -0.10
- -0.10 to -0.01
- -0.01 to 0.01
- 0.01 to 0.02
- 0.02 to 0.05
- 0.05 to 0.10
- 0.10 to 0.20
- 0.20 to 0.30
- 0.30 to 0.50
- > 0.50
- Land Rendered Flood Free as a Result of Change
- Additional Area of Land Flooded as a Result of Change

N 300 0 300 600 900 m
Scale: 1:30,000

N 150 0 150 300 450 m
Scale: 1:15,000

NOTE:
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TUFLOW model results not shown within the footprint of existing buildings.

LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre

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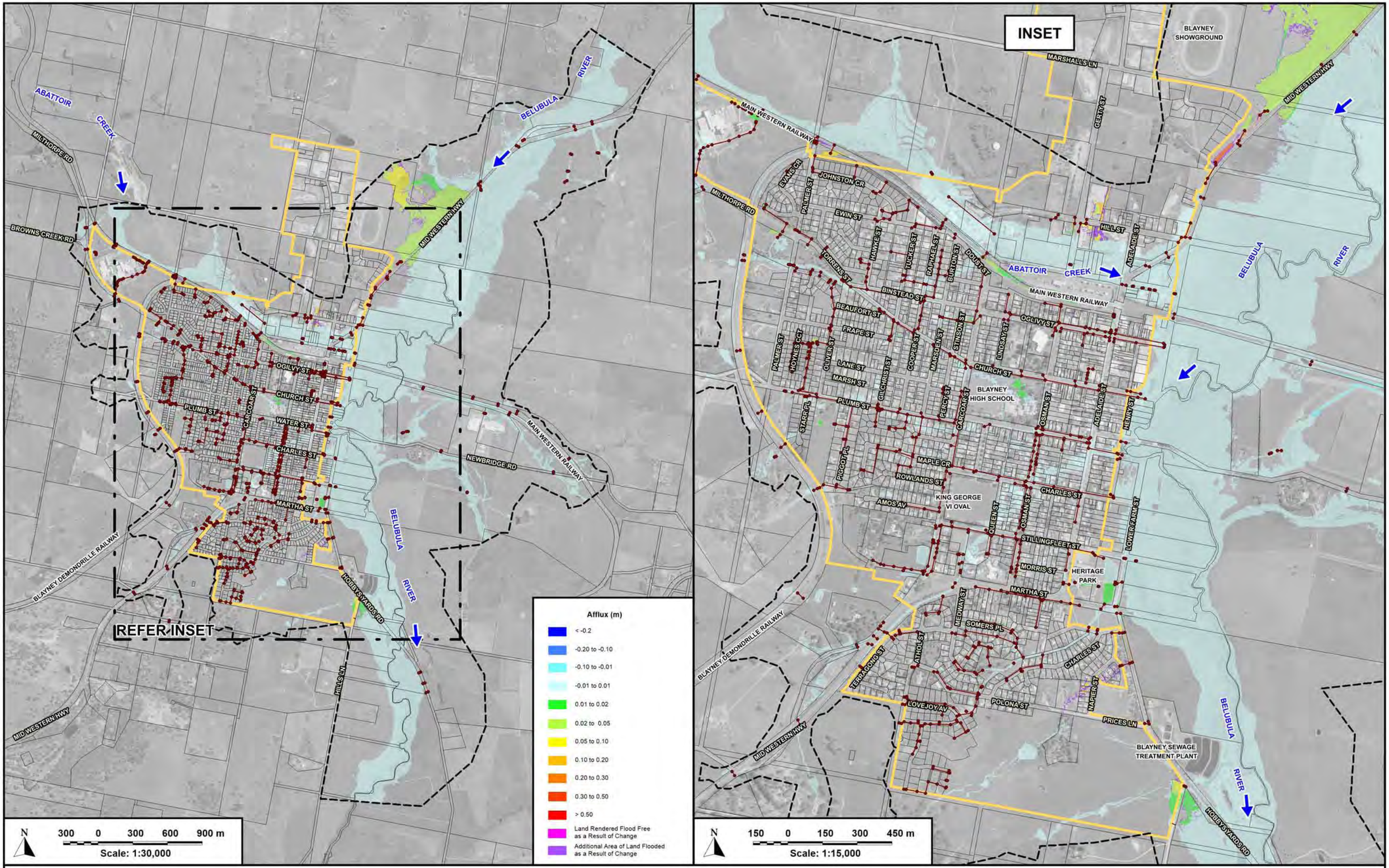
BLAYNEY
FLOOD STUDY UPDATE

Figure 6.22

POTENTIAL IMPACT OF FUTURE DEVELOPMENT ON FLOOD BEHAVIOUR
20% AEP



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TUFLOW model results not shown within the footprint of existing buildings.

LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre

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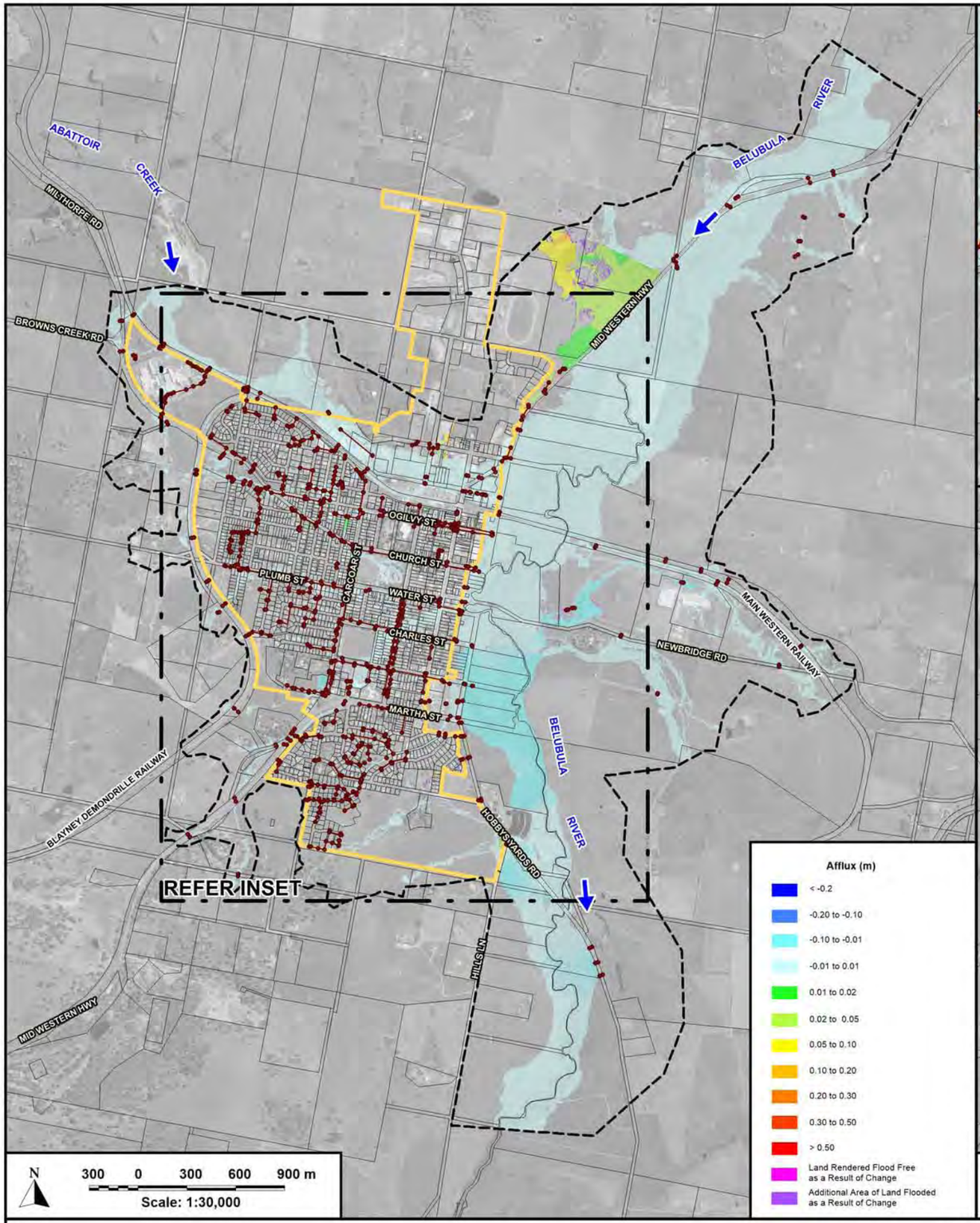
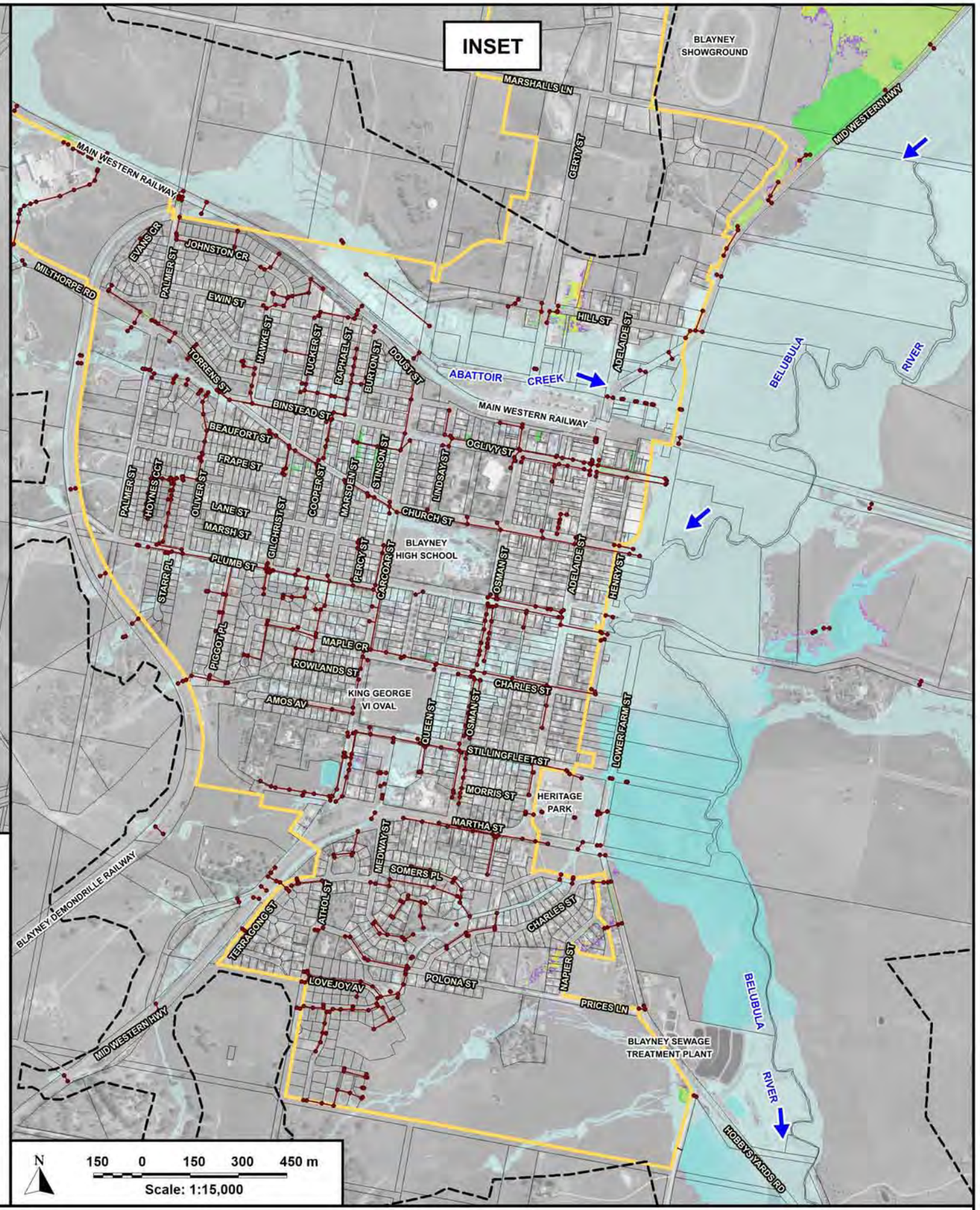
BLAYNEY
FLOOD STUDY UPDATE

Figure 6.23

POTENTIAL IMPACT OF FUTURE DEVELOPMENT ON FLOOD BEHAVIOUR
5% AEP





NOTE:
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TUFLOW model results not shown within the footprint of existing buildings.

LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre

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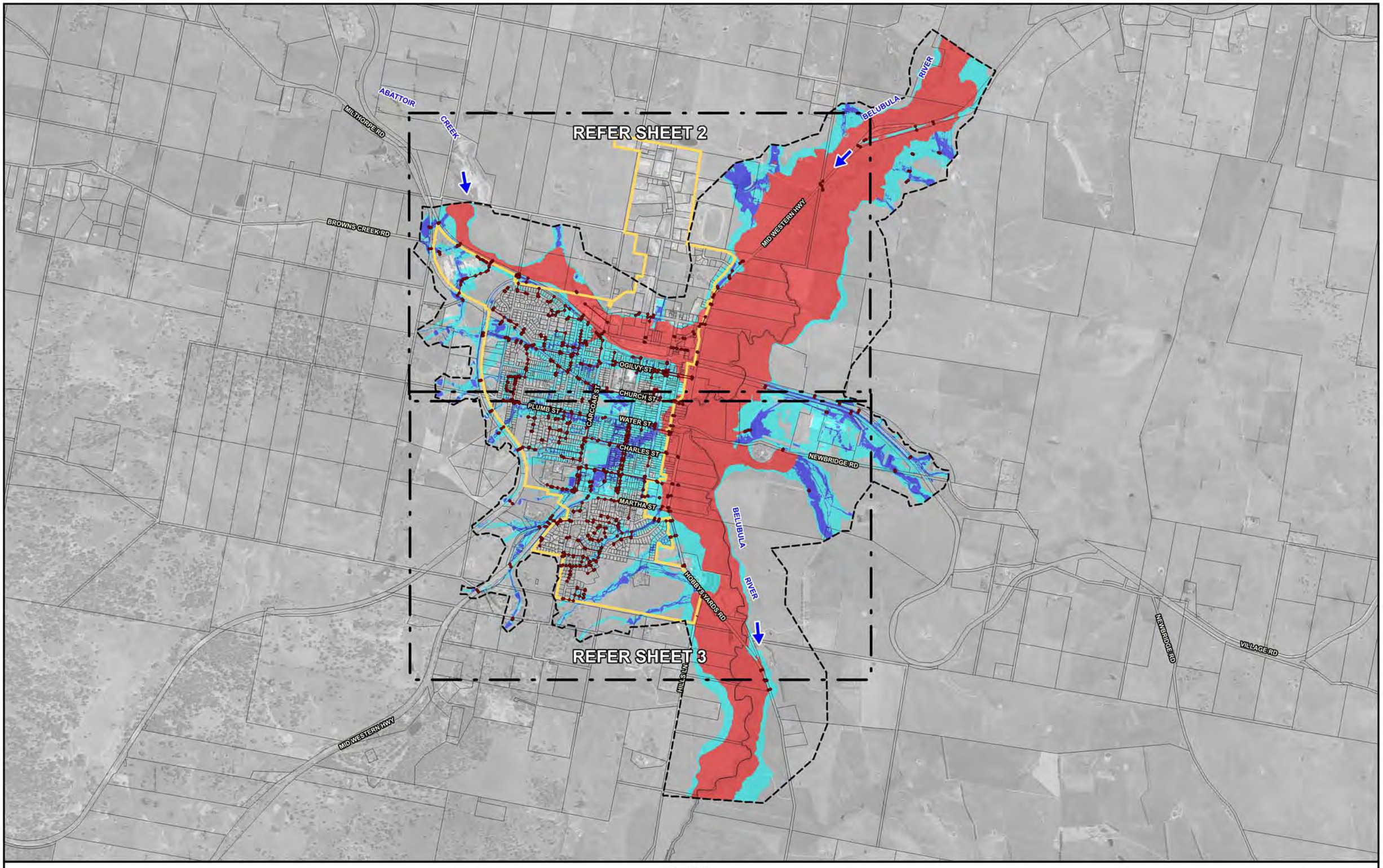
BLAYNEY FLOOD STUDY UPDATE

Figure 6.24

POTENTIAL IMPACT OF FUTURE DEVELOPMENT ON FLOOD BEHAVIOUR
1% AEP



N

300 0 300 600 900 m

Scale: 1:30,000

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NOTE:

The ground surface model incorporated in TUFLOW is based on LiDAR survey which has been sampled on a 2 m grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.

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TUFLOW model results not shown within the footprint of existing buildings.

LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre
- Interim Main Stream Flooding Flood Planning Area
- Interim Major Overland Flow Flood Planning Area
- Outer Floodplain

BLAYNEY
FLOOD STUDY UPDATE

Figure 6.25
(Sheet 1 of 3)

INTERIM FLOOD PLANNING AREA
MAIN STREAM FLOODING AND MAJOR OVERLAND FLOW AFFECTED AREAS

LAWSON ST
MARSHALLS LN
GERTY ST
MAIN WESTERN RAILWAY
MILTHORPE RD
EVANS CR
JOHNSTON CR
PALMER ST
EWIN ST
BLAYNEY DEMONDRILLE RAILWAY
TORRENS ST
HAWKE ST
TUCKER ST
RAPHAEL ST
BURTON ST
DOUST ST
ABATTOIR
CREEK
HILL ST
ADELAIDE ST
MIDWESTERN HWY
MID WESTERN HWY
BELUBULA
RIVER
BINSTEAD ST
OGILVY ST
BEAUFORT ST
FRAPE ST
WHITTAKER LN
LANE ST
MARSH ST
PALMER ST
HOYNES CCT
OLIVER ST
GILCHRIST ST
COOPER ST
MARSDEN ST
STINSON ST
LINDSAY ST
CHURCH ST
JOINS SHEET 3

N

100 0 100 200 300 m

Scale: 1:10,000

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NOTE:

The ground surface model incorporated in TUFLOW is based on LiDAR survey which has been sampled on a 2 m grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.

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TUFLOW model results not shown within the footprint of existing buildings.

LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre
- Interim Main Stream Flooding Flood Planning Area
- Interim Major Overland Flow Flood Planning Area
- Outer Floodplain

BLAYNEY
FLOOD STUDY UPDATE

Figure 6.25
(Sheet 2 of 3)

INTERIM FLOOD PLANNING AREA
MAIN STREAM FLOODING AND MAJOR OVERLAND FLOW AFFECTED AREAS

JOINS SHEET 2

MARSH ST
PLUMB ST
STARR PL
PERCY ST
CARCOAR ST
OSMAN ST
ADELAIDE ST
HENRY ST
PIGGOTT PL
MAPLE CR
ROWLANDS ST
CHARLES ST
AMOS AV
CARCOAR ST
QUEEN ST
OSMAN ST
ADELAIDE LN
ADELAIDE ST
LOWER FARM ST
NEWBRIDGE RD
STILLINGFLEET ST
MORRIS ST
MARTHA ST
MEDWAY ST
SOMERS PL
BLAYNEY DEMONDRILLE RAILWAY
ATHOL ST
CHARLES ST
TERRAGONA ST
POLONA ST
POLONA ST
NAPIER ST
LOVEJOY AV
PRICES LN
BELUBULA RIVER
MID WESTERN HWY
ST VINCENT WELSH WAY
LUCKS LN
HOBBYS YARDS RD

N

100 0 100 200 300 m

Scale: 1:10,000

Lyall & Associates

NOTE:

The ground surface model incorporated in TUFLOW is based on LiDAR survey which has been sampled on a 2 m grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.

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TUFLOW model results not shown within the footprint of existing buildings.

LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Urban Centre
- Interim Main Stream Flooding Flood Planning Area
- Interim Major Overland Flow Flood Planning Area
- Outer Floodplain

BLAYNEY
FLOOD STUDY UPDATE

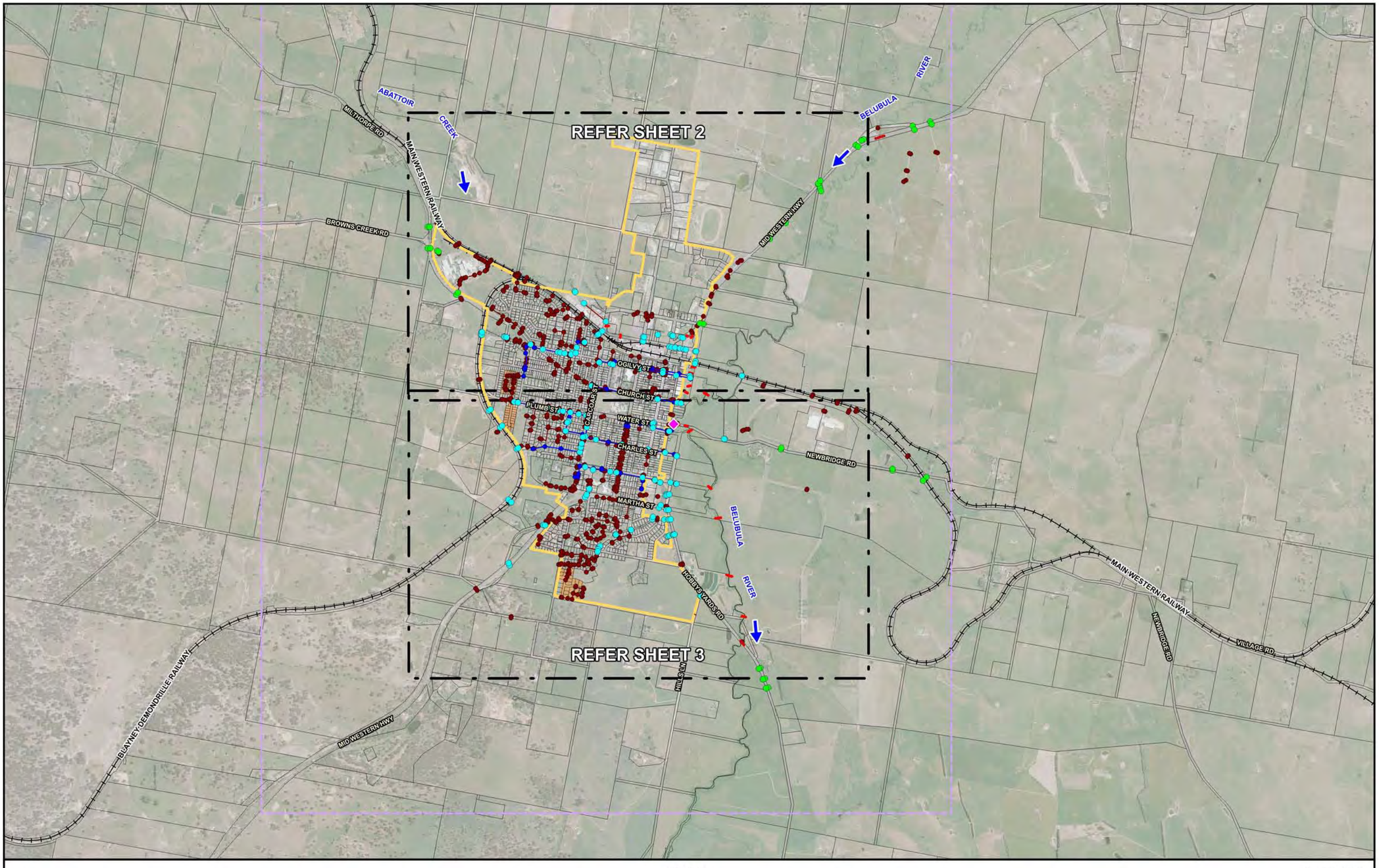
Figure 6.25
(Sheet 3 of 3)

INTERIM FLOOD PLANNING AREA
MAIN STREAM FLOODING AND MAJOR OVERLAND FLOW AFFECTED AREAS

APPENDIX A

DETAILS OF AVAILABLE DATA

LIST OF FIGURES (APPENDIX A)



N

300 0 300 600 900 m

Scale: 1:30,000

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LEGEND

- Existing Stormwater Drainage System Incorporated in Jacobs TUFLOW Model
- Councils Existing Stormwater System
- Structure Survey (Jacobs, 2015)
- Structure Survey (Council)
- Cross Section Survey (Council)
- Urban Centre
- Surveyed Flood Mark
- Extent of Drone LiDAR Survey Data
- Extent of April 2017 LiDAR Survey Data

BLAYNEY
FLOOD STUDY UPDATE

Figure A1.1
(Sheet 1 of 3)

LOCATION AND SOURCE OF DATA

LAWSON ST
MARSHALLS LN
BLAYNEY SHOWGROUND
GERTY ST
MID WESTERN HWY
BELUBULA RIVER
MAIN WESTERN RAILWAY
EVANS CR
JOHNSTON CR
PALMER ST
EWIN ST
MILTHORPE RD
BLAYNEY DEMONDRILLE RAILWAY
TORRENS ST
HAWKE ST
TUCKER ST
RAPHAEL ST
BURTON ST
DOUST ST
ABATTOIR CREEK
HILL ST
ADELAIDE ST
MIDWESTERN HWY
RIVER
BEAUFORT ST
BINSTEAD ST
OGILVY ST
FRAPE ST
HOWES CCT
OLIVER ST
WHITTAKER LN
GILCHRIST ST
COOPER ST
MARSDEN ST
STINSON ST
LINDSAY ST
CHURCH ST
LANE ST
MARSH ST
PALMER ST
BELUBULA
MAIN WESTERN RAILWAY
JOINS SHEET 3

N
100 0 100 200 300 m
Scale: 1:10,000

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LEGEND

- Existing Stormwater Drainage System Incorporated in Jacobs TUFLOW Model
- Councils Existing Stormwater System
- Structure Survey (Jacobs, 2015)
- Structure Survey (Council)
- Cross Section Survey (Council)
- Urban Centre
- Surveyed Flood Mark
- Extent of Drone LiDAR Survey Data

BLAYNEY
FLOOD STUDY UPDATE

Figure A1.1
(Sheet 2 of 3)

LOCATION AND SOURCE OF DATA

JOINS SHEET 2

BLAYNEY HIGH SCHOOL

KING GEORGE VI OVAL

HERITAGE PARK

BLAYNEY SEWAGE TREATMENT PLANT

MARSH ST
PLUMB ST
STARR PL
PERCY ST
CARCOAR ST
OSMAN ST
ADELAIDE ST
HENRY ST
PICCOTT PL
MAPLE CR
ROWLANDS ST
AMOS AV
CHARLES ST
QUEEN ST
ADELAIDE LN
STILLINGFLEET ST
LOWER FARM ST
NEWBRIDGE RD
MORRIS ST
MARTHA ST
MEDWAY ST
SOMERS PL
ATHOL ST
TERRAGONG ST
POLONA ST
LOVEJOY AV
ST VINCENT WELSH WAY
PRICES LN
NAPIER ST
BELUBULA RIVER
BLAYNEY DEMONDRILLE RAILWAY
MID WESTERN HWY
LUCKS LN
HOBBYS YARDS RD

N

100 0 100 200 300 m

Scale: 1:10,000

Lyall & Associates

LEGEND

- Existing Stormwater Drainage System Incorporated in Jacobs TUFLOW Model
- Councils Existing Stormwater System
- Structure Survey (Jacobs, 2015)
- Structure Survey (Council)
- Cross Section Survey (Council)
- Urban Centre
- Surveyed Flood Mark
- Extent of Drone LiDAR Survey Data

BLAYNEY
FLOOD STUDY UPDATE

Figure A1.1
(Sheet 3 of 3)

LOCATION AND SOURCE OF DATA