

BLAND SHIRE COUNCIL

WYALONG AND WEST WYALONG  
FLOOD STUDY

FEBRUARY 2023

VOLUME 2 – FIGURES



Example of flooding that was experienced during storm that occurred on 2 December 2017



Example of flooding that was experienced during storm that occurred on 23 March 2021

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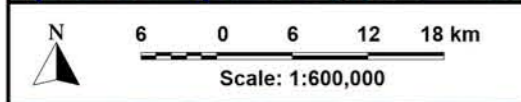
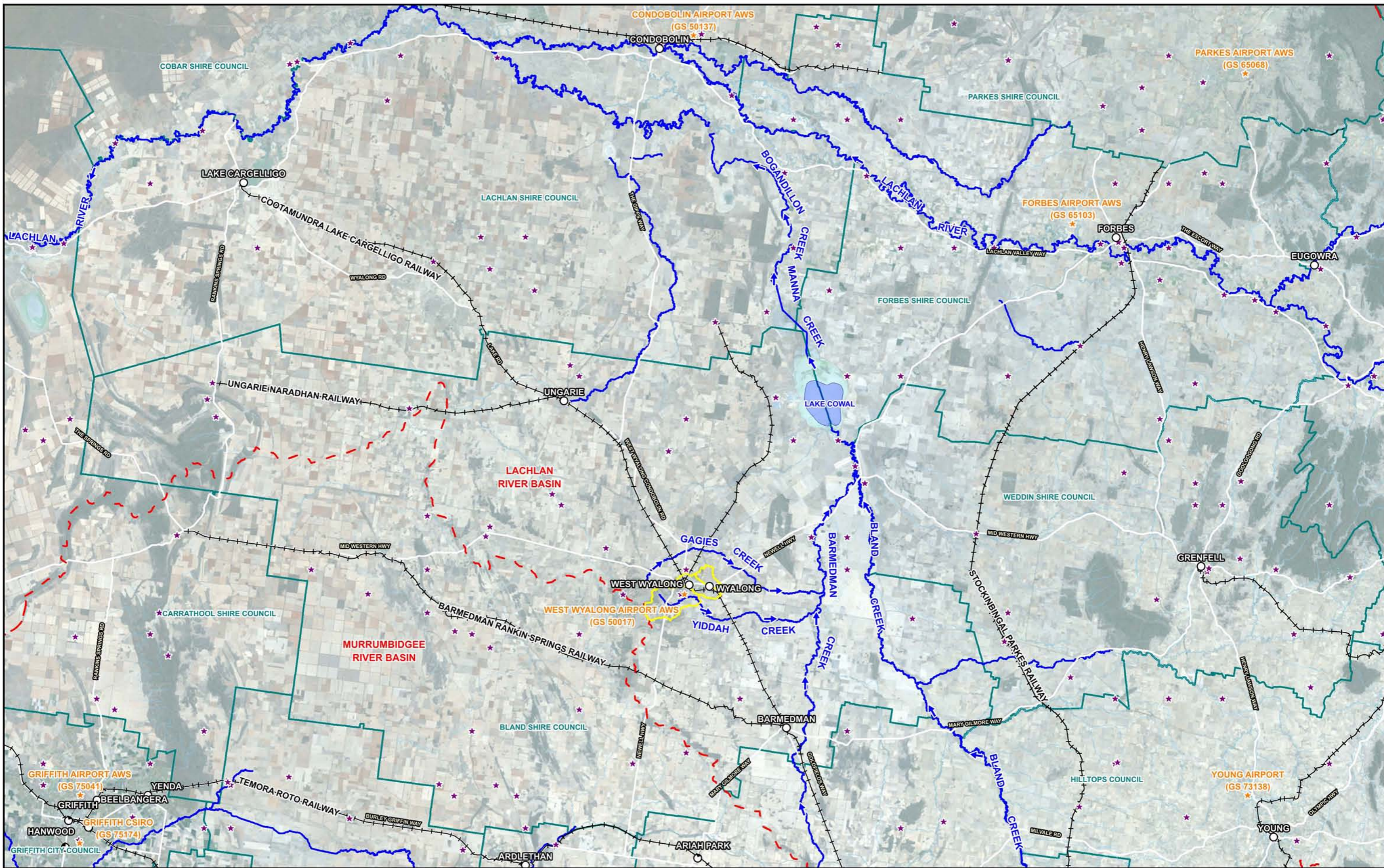
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## LIST OF FIGURES (MAIN REPORT)

- 1.1 Location Plan
- 2.1 Catchment Plan
- 2.2 Existing Stormwater Drainage System at Wyalong and West Wyalong (5 Sheets)
- 2.3 Cumulative Rainfall and Intensity-Frequency-Duration Curves – Historic Storm Events – West Wyalong Airport AWS Rain Gauge (GS 50017)
- 3.1 Hydrologic Model Layout (5 Sheets)
- 4.1 TUFLOW Model Layout (5 Sheets)
- 4.2 TUFLOW Schematisation of Floodplain
- 4.3 Water Surface Profiles – Historic Storm Events (2 Sheets)
- 4.4 TUFLOW Model Results – 2 December 2017 Storm Event (5 Sheets)
- 4.5 TUFLOW Model Results – 23 March 2021 Storm Event (5 Sheets)
- 5.1 Adjusted Probability Neutral Burst Initial Loss Values
- 6.1 TUFLOW Model Results – 20% AEP (5 Sheets)
- 6.2 TUFLOW Model Results – 10% AEP (5 Sheets)
- 6.3 TUFLOW Model Results – 5% AEP (5 Sheets)
- 6.4 TUFLOW Model Results – 2% AEP (5 Sheets)
- 6.5 TUFLOW Model Results – 1% AEP (5 Sheets)
- 6.6 TUFLOW Model Results – 0.5% AEP (5 Sheets)
- 6.7 TUFLOW Model Results – 0.2% AEP (5 Sheets)
- 6.8 TUFLOW Model Results – PMF (5 Sheets)
- 6.9 Water Surface Profiles – Design Storm Events (2 Sheets)
- 6.10 Stage Hydrographs – Design Storm Events (3 Sheets)
- 6.11 Flood Hazard Vulnerability Classification – 5% AEP (5 Sheets)
- 6.12 Flood Hazard Vulnerability Classification – 1% AEP (5 Sheets)
- 6.13 Flood Hazard Vulnerability Classification – PMF (5 Sheets)
- 6.14 Hydraulic Categorisation of Floodplain – 5% AEP (5 Sheets)
- 6.15 Hydraulic Categorisation of Floodplain – 1% AEP (5 Sheets)
- 6.16 Hydraulic Categorisation of Floodplain – PMF (5 Sheets)
- 6.17 Sensitivity of Flood Behaviour to 20% Increase in Hydraulic Roughness Values – 1% AEP
- 6.18 Sensitivity of Flood Behaviour to Partial Blockage of Hydraulic Structures – 1% AEP
- 6.19 Sensitivity of Flood Behaviour to 10% Increase in Rainfall Intensity – 1% AEP
- 6.20 Sensitivity of Flood Behaviour to 30% Increase in Rainfall Intensity – 1% AEP
- 6.21 Impact of Increased Rainfall Intensities on Extent of Flooding – 1% AEP
- 6.22 Interim Flood Planning Area – Main Stream Flooding and Major Overland Flow Affected Areas



**Lyall & Associates**

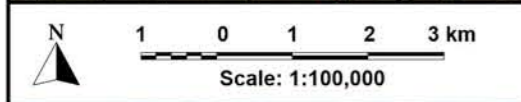
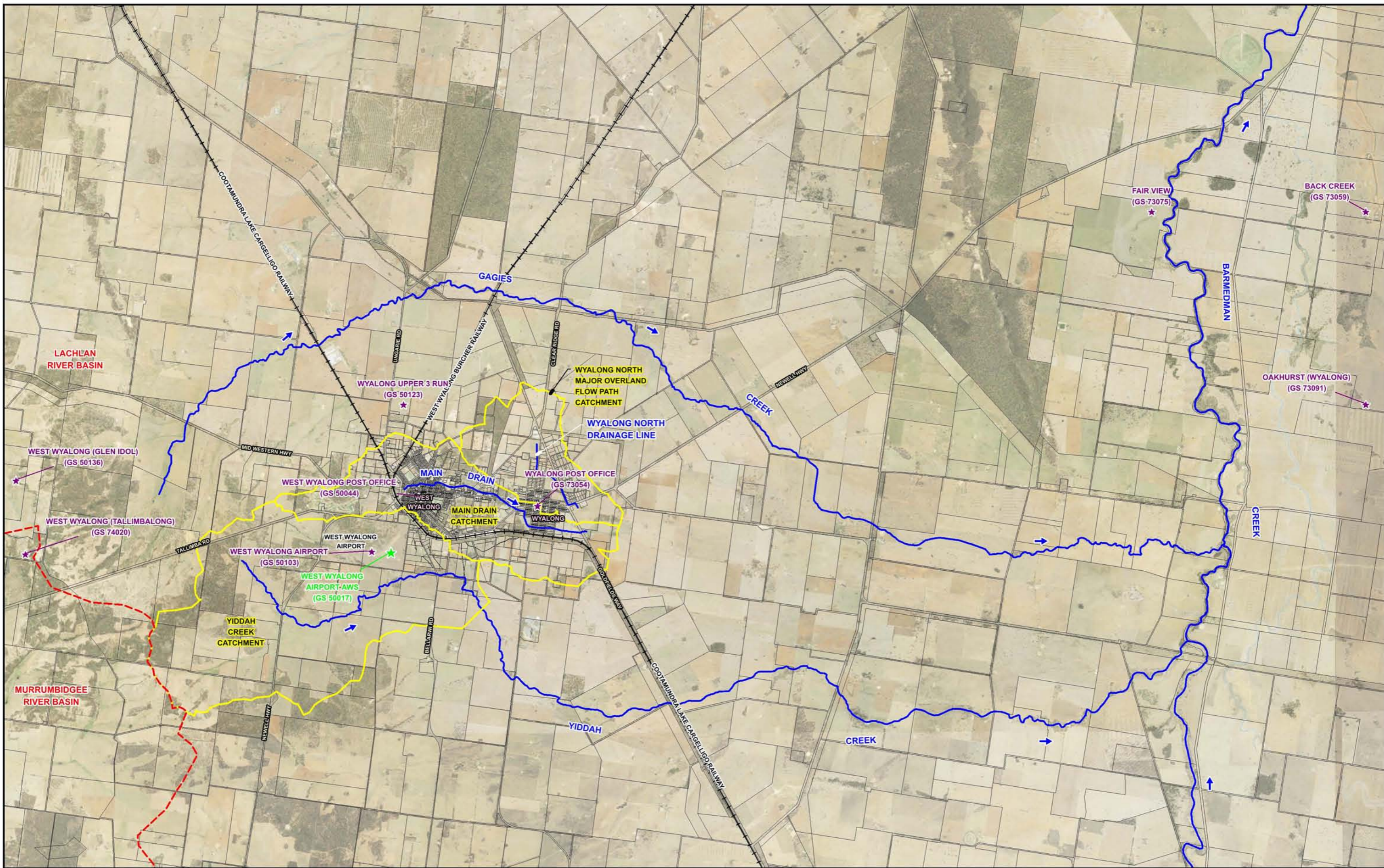
**LEGEND**

- ★ BoM All Weather Station (AWS)
- ☆ BoM Daily Rainfall Station
- LGA Boundary
- - - River Basin Catchment Boundary
- ▭ Study Catchments

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 1.1

LOCATION PLAN

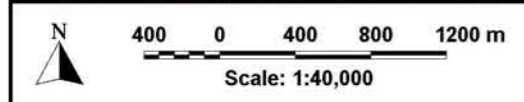
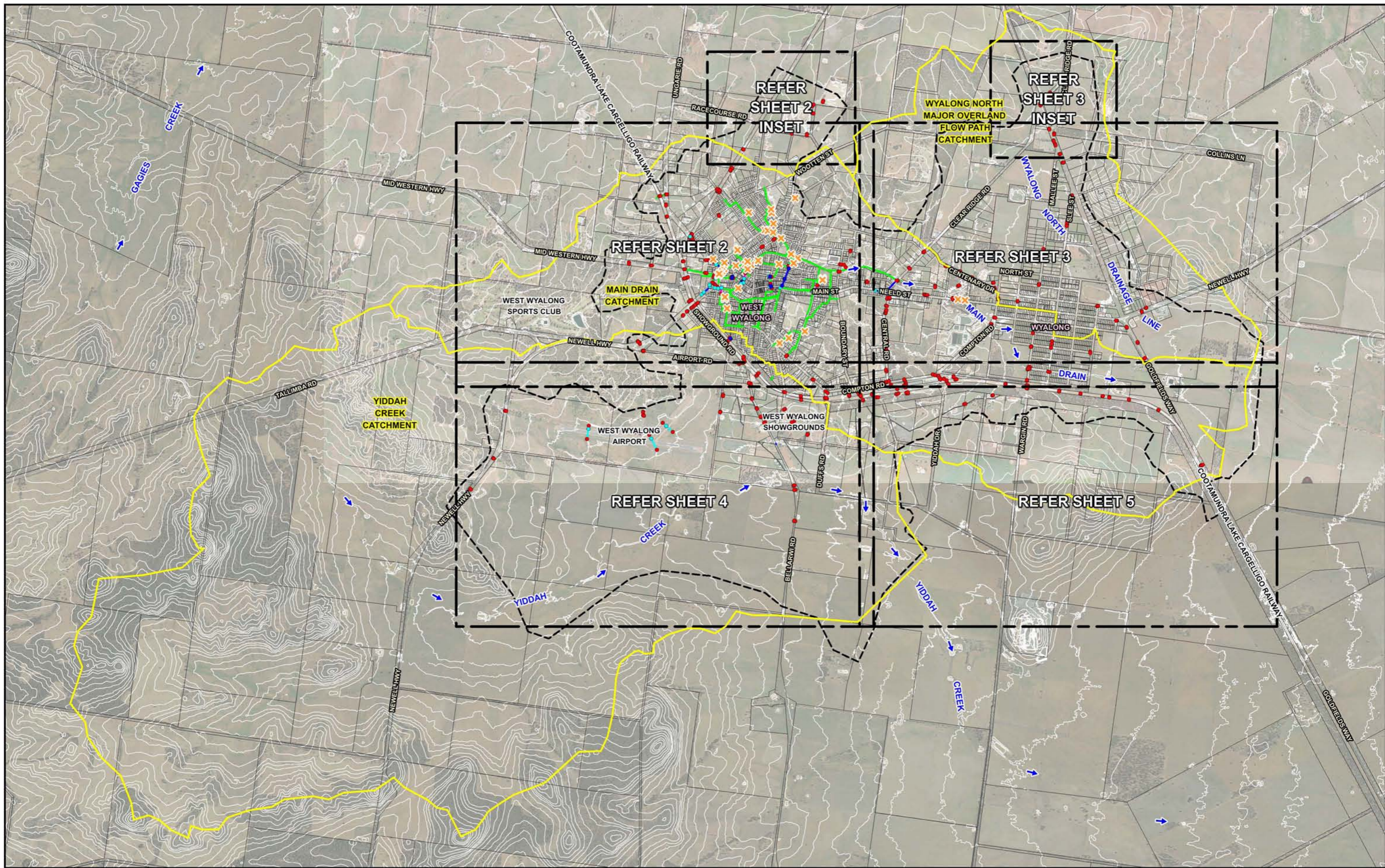


**LEGEND**

- ★ BoM All Weather Station (AWS)
  - ★ BoM Daily Rainfall Station
- River Basin Catchment Boundary
  - Study Catchments

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 2.1



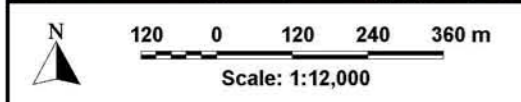
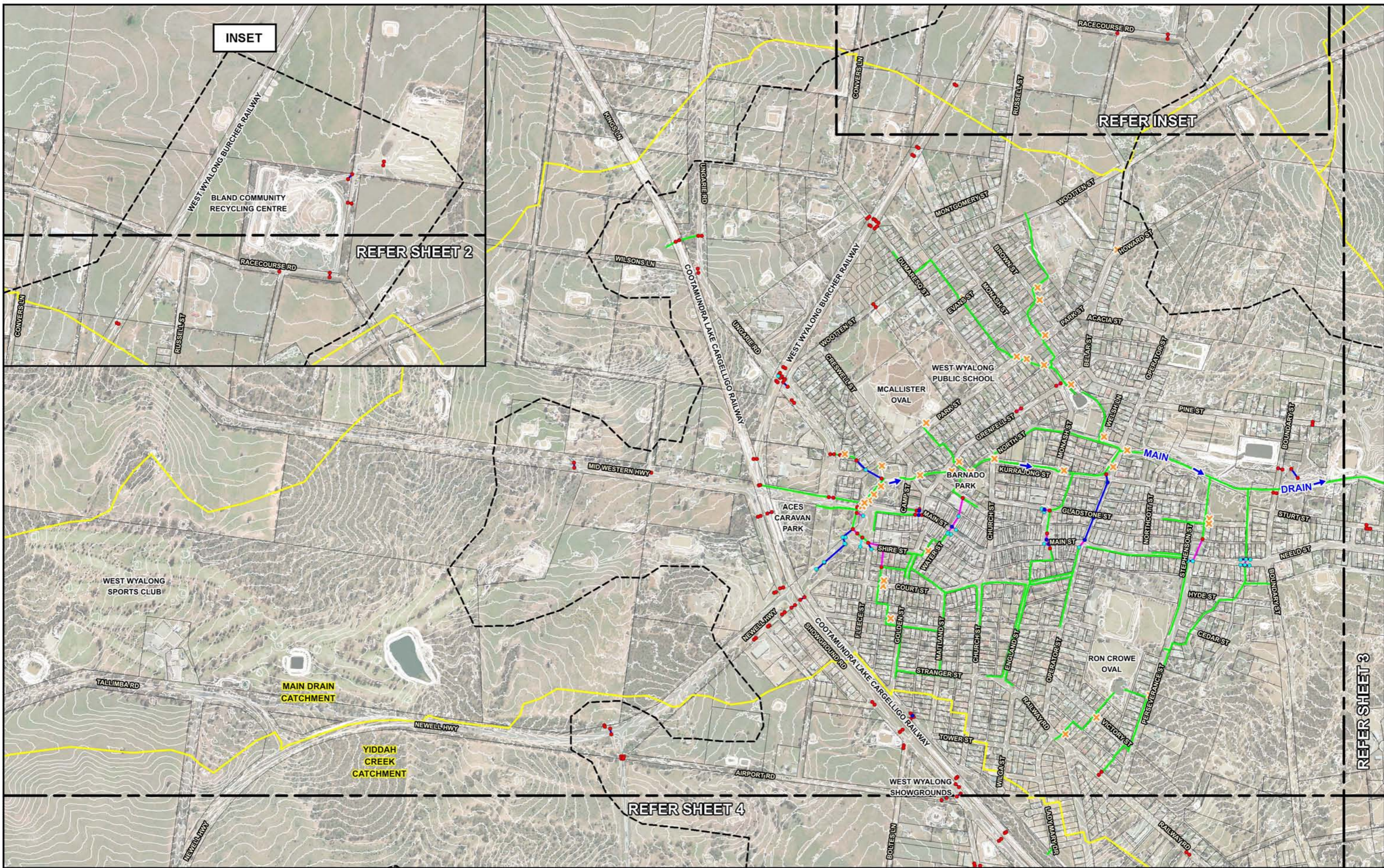
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<span style="color: blue;">●</span> Junction Pit	<span style="color: blue;">—</span> Pipe ≥ 450 mm Diameter	<span style="color: yellow;">—</span> Study Catchments
<span style="color: red;">●</span> Headwall	<span style="color: magenta;">—</span> Box Culvert	<span style="color: orange;">x</span> Pedestrian Footbridge

**WYALONG AND WEST WYALONG  
FLOOD STUDY**

Figure 2.2  
(Sheet 1 of 5)

EXISTING STORMWATER DRAINAGE SYSTEM AT WYALONG AND WEST WYALONG



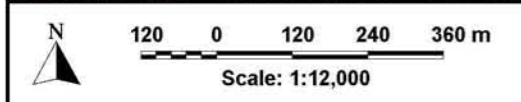
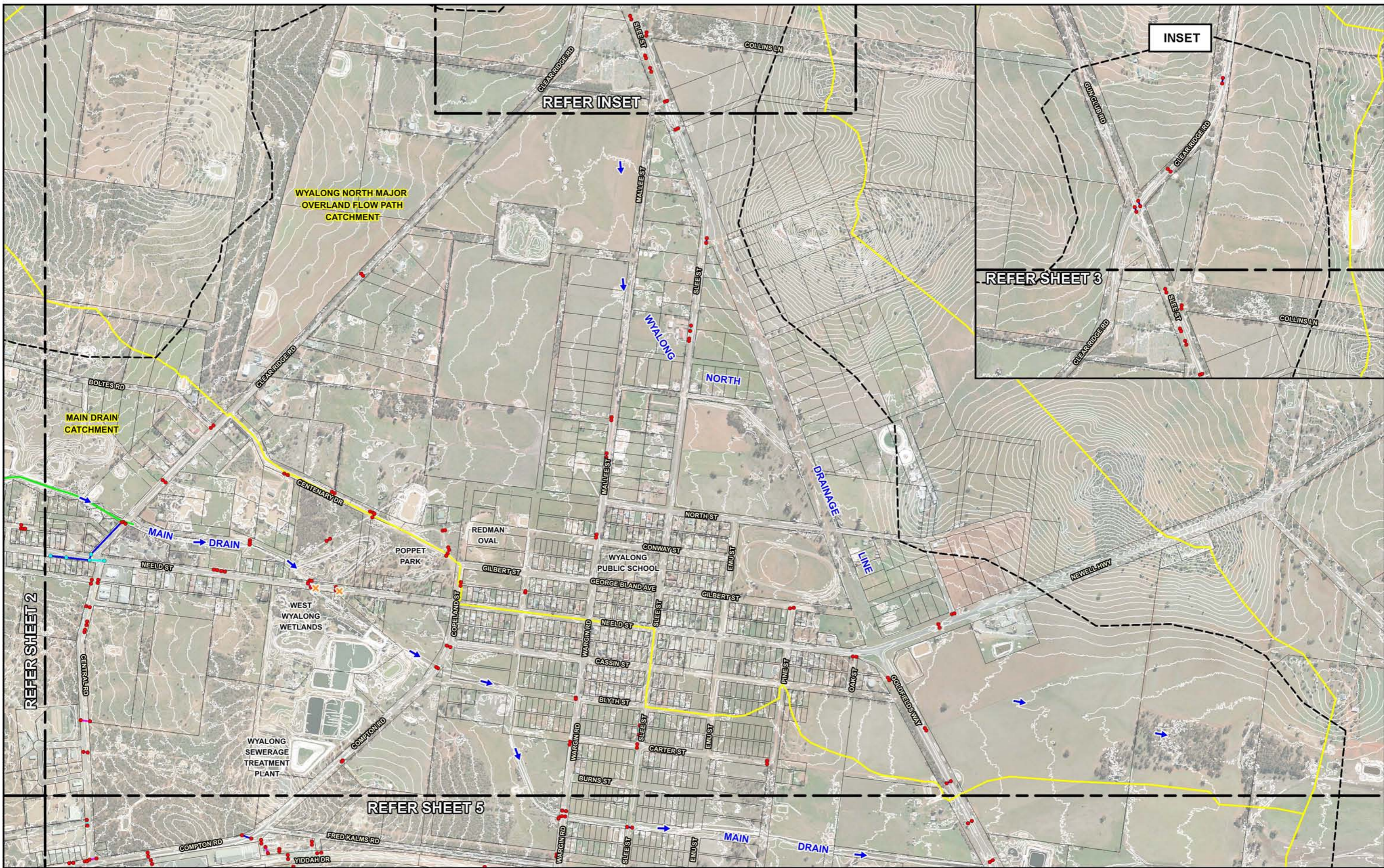
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**WYALONG AND WEST WYALONG  
FLOOD STUDY**

Figure 2.2  
(Sheet 2 of 5)

EXISTING STORMWATER DRAINAGE SYSTEM AT WYALONG AND WEST WYALONG



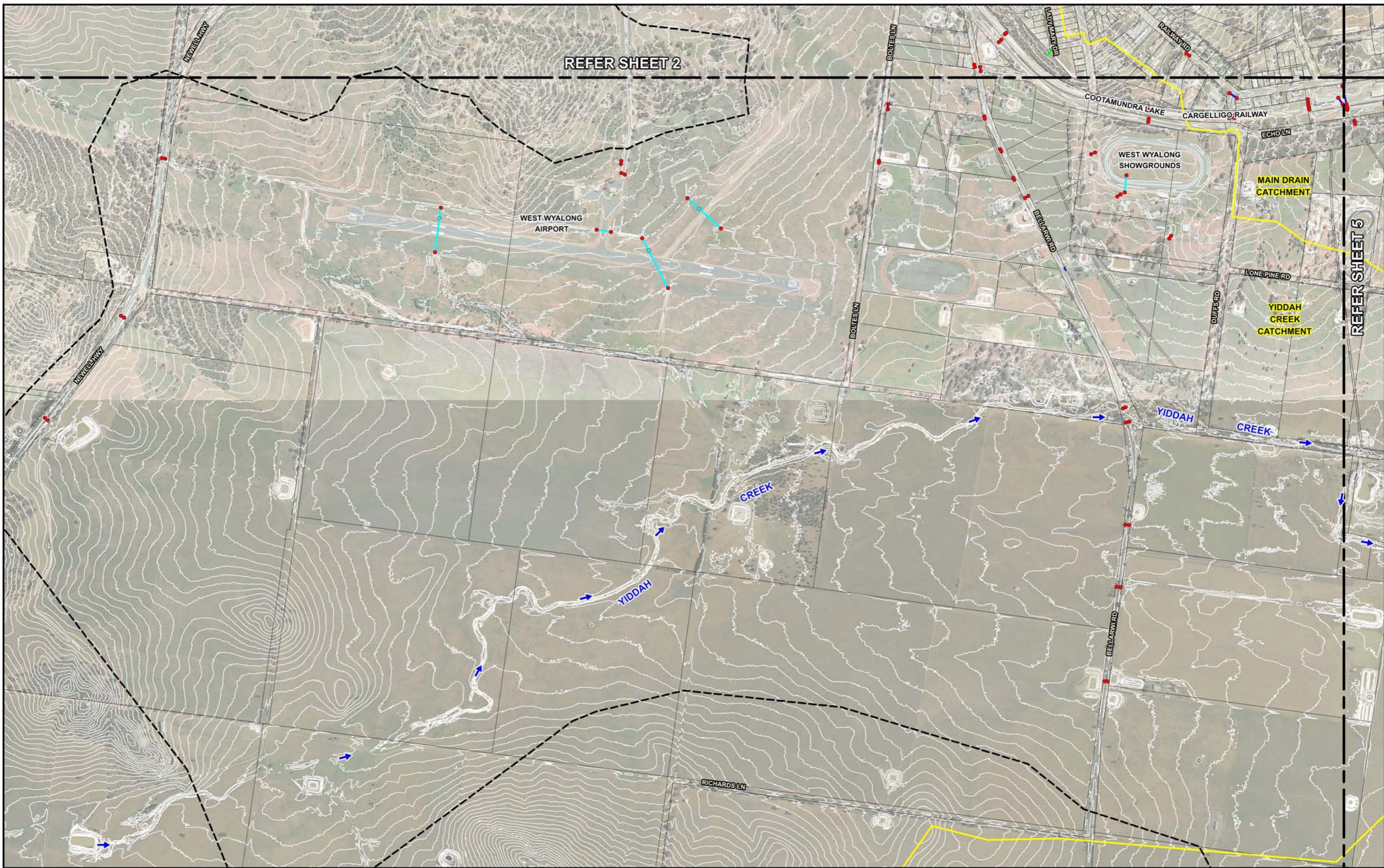
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<span style="color: red;">●</span> Headwall	<span style="color: magenta;">—</span> Box Culvert	

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 2.2  
(Sheet 3 of 5)





REFER SHEET 2

REFER SHEET 5

WEST WYALONG AIRPORT

WEST WYALONG SHOWGROUNDS

MAIN DRAIN CATCHMENT

YIDDAH CREEK CATCHMENT

CREEK

YIDDAH

YIDDAH

CREEK

RICHARDS LN

BOLES LN

BOLES LN

BELLAIR RD

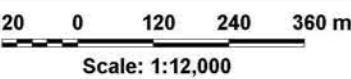
COOTAMUNDRA LAKE

CARGELLIGO RAILWAY

ECHO LN

LONE PINE RD

DUFFES RD



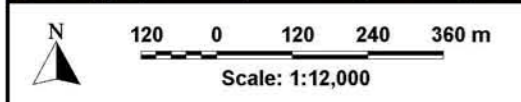
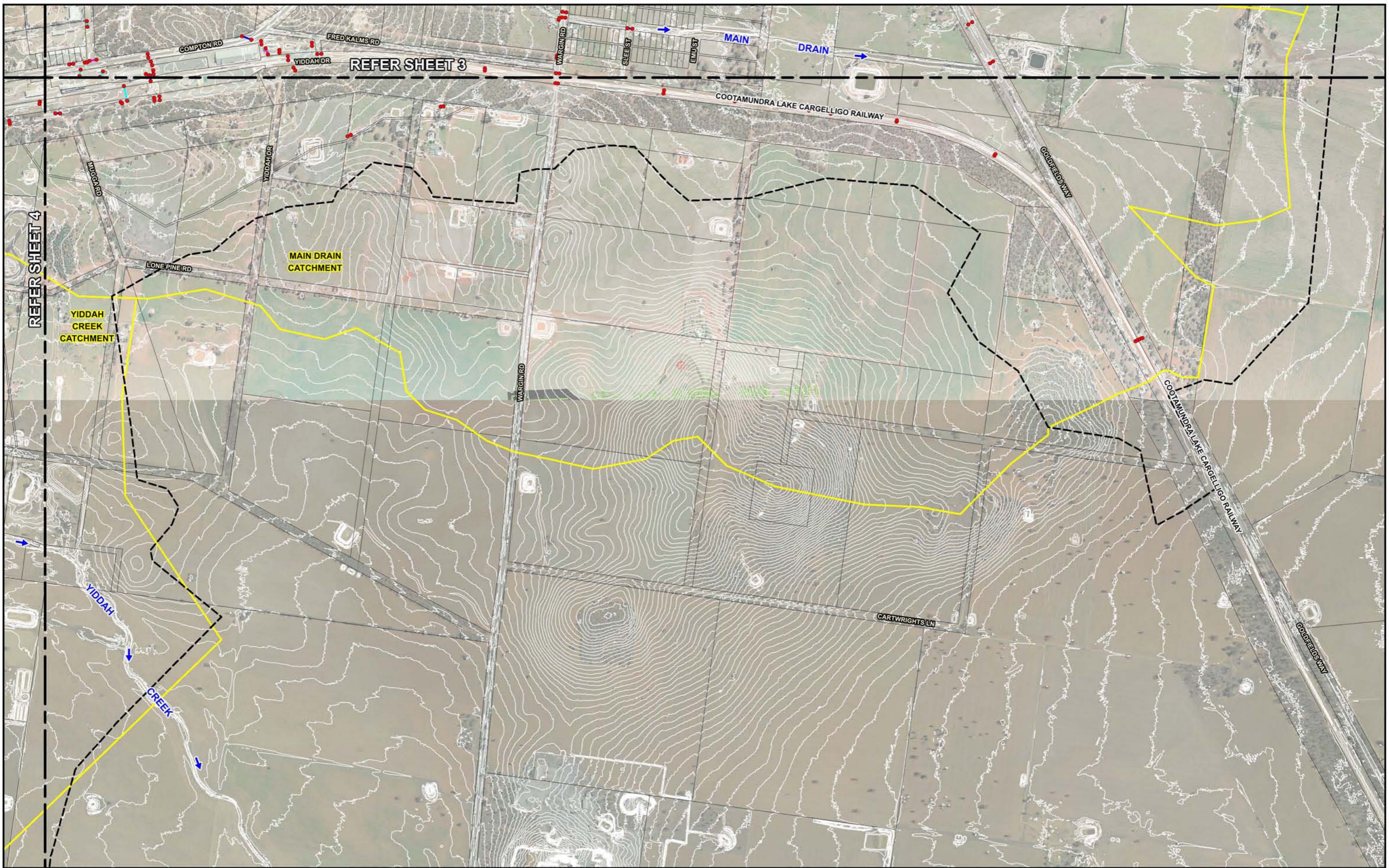
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<span style="color: blue;">●</span> Junction Pit	<span style="color: blue;">—</span> Pipe ≥ 450 mm Diameter	
<span style="color: red;">●</span> Headwall	<span style="color: magenta;">—</span> Box Culvert	

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 2.2  
(Sheet 4 of 5)

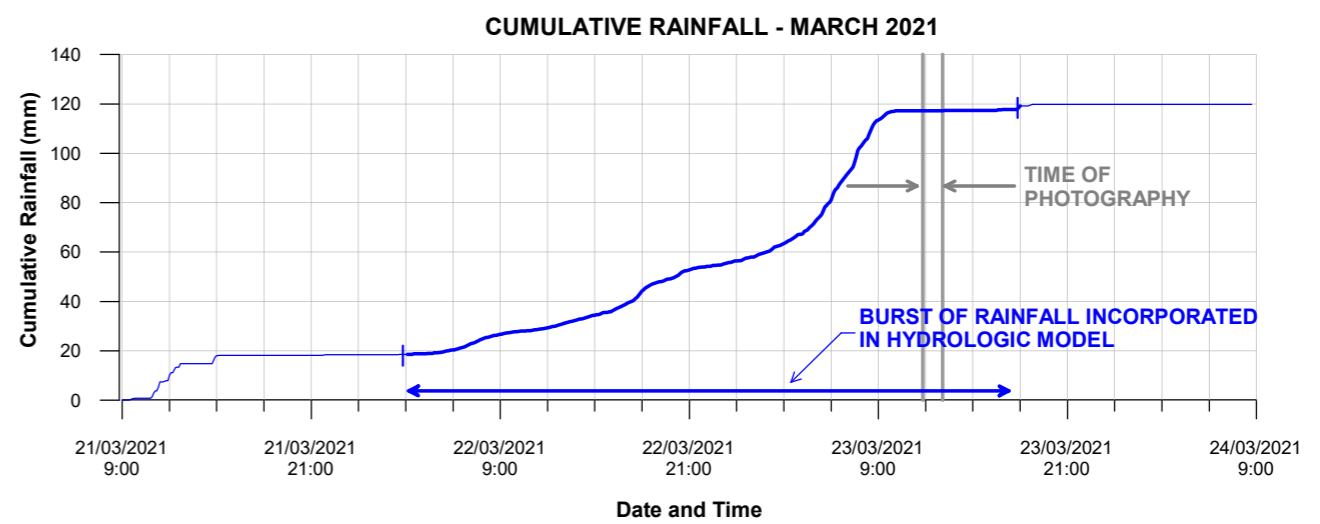
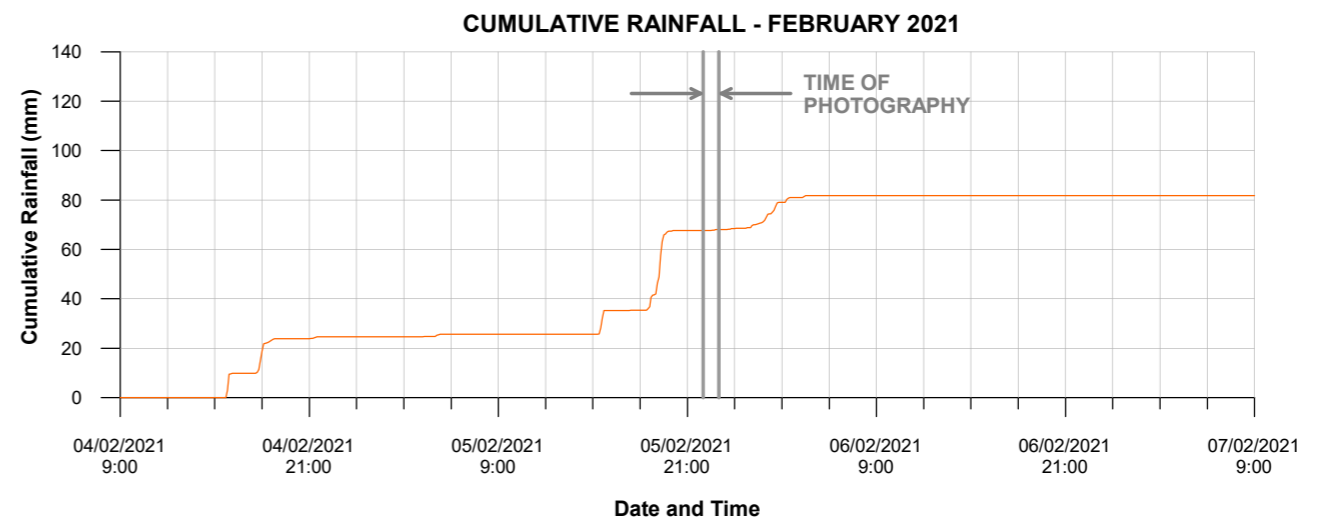
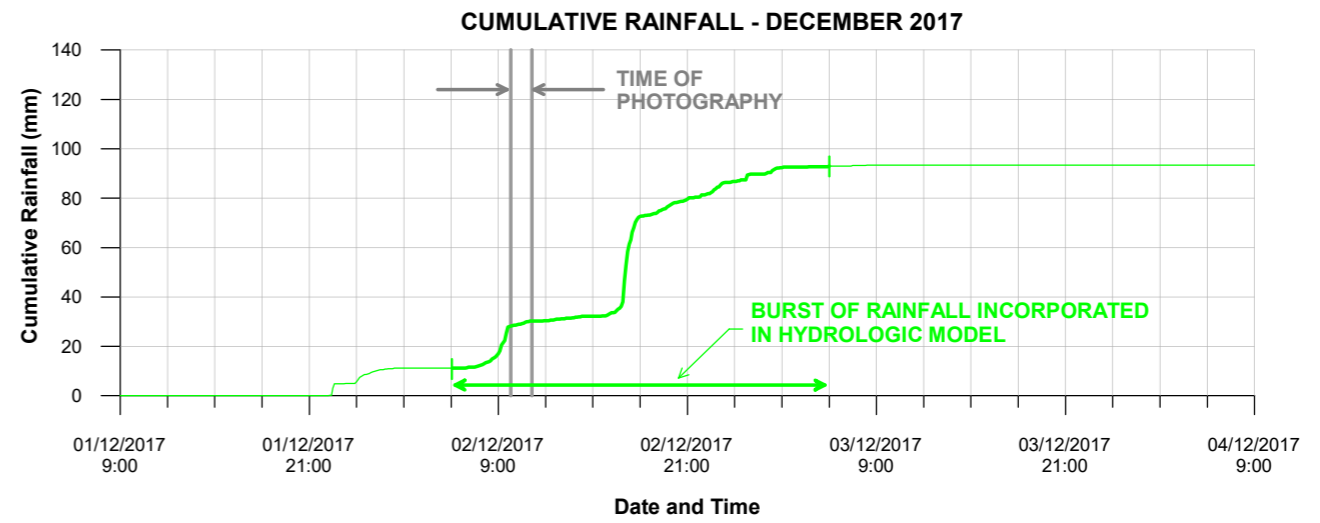
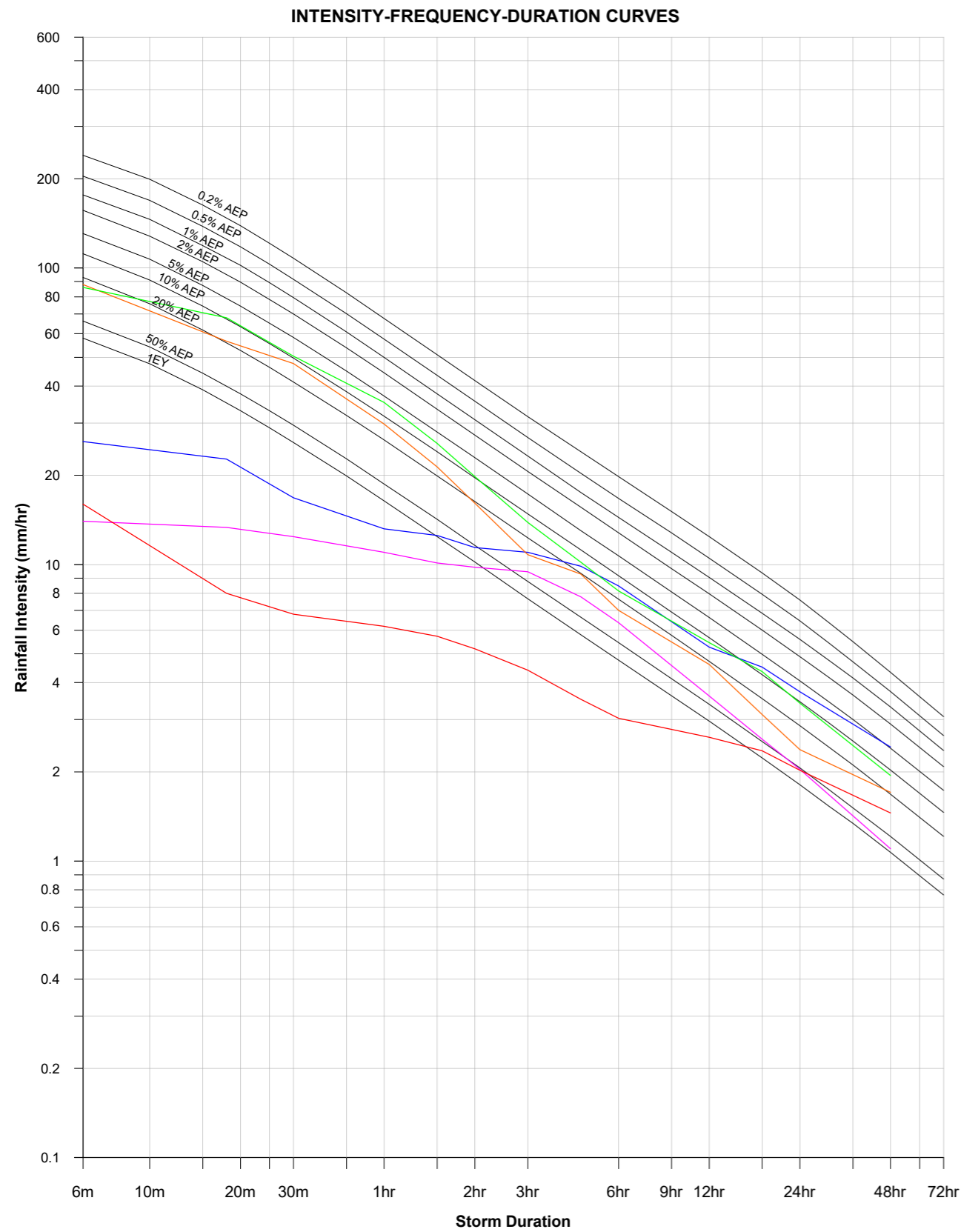




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<span style="color: blue;">●</span>	Junction Pit	<span style="border-bottom: 1px solid blue; width: 20px; display: inline-block;"></span> Pipe ≥ 450 mm Diameter
<span style="color: red;">●</span>	Headwall	<span style="border-bottom: 1px solid yellow; width: 20px; display: inline-block;"></span> Study Catchments
		<span style="border-bottom: 1px solid magenta; width: 20px; display: inline-block;"></span> Box Culvert

**WYALONG AND WEST WYALONG  
FLOOD STUDY**

Figure 2.2  
(Sheet 5 of 5)



**LEGEND**

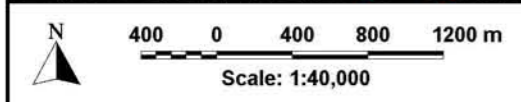
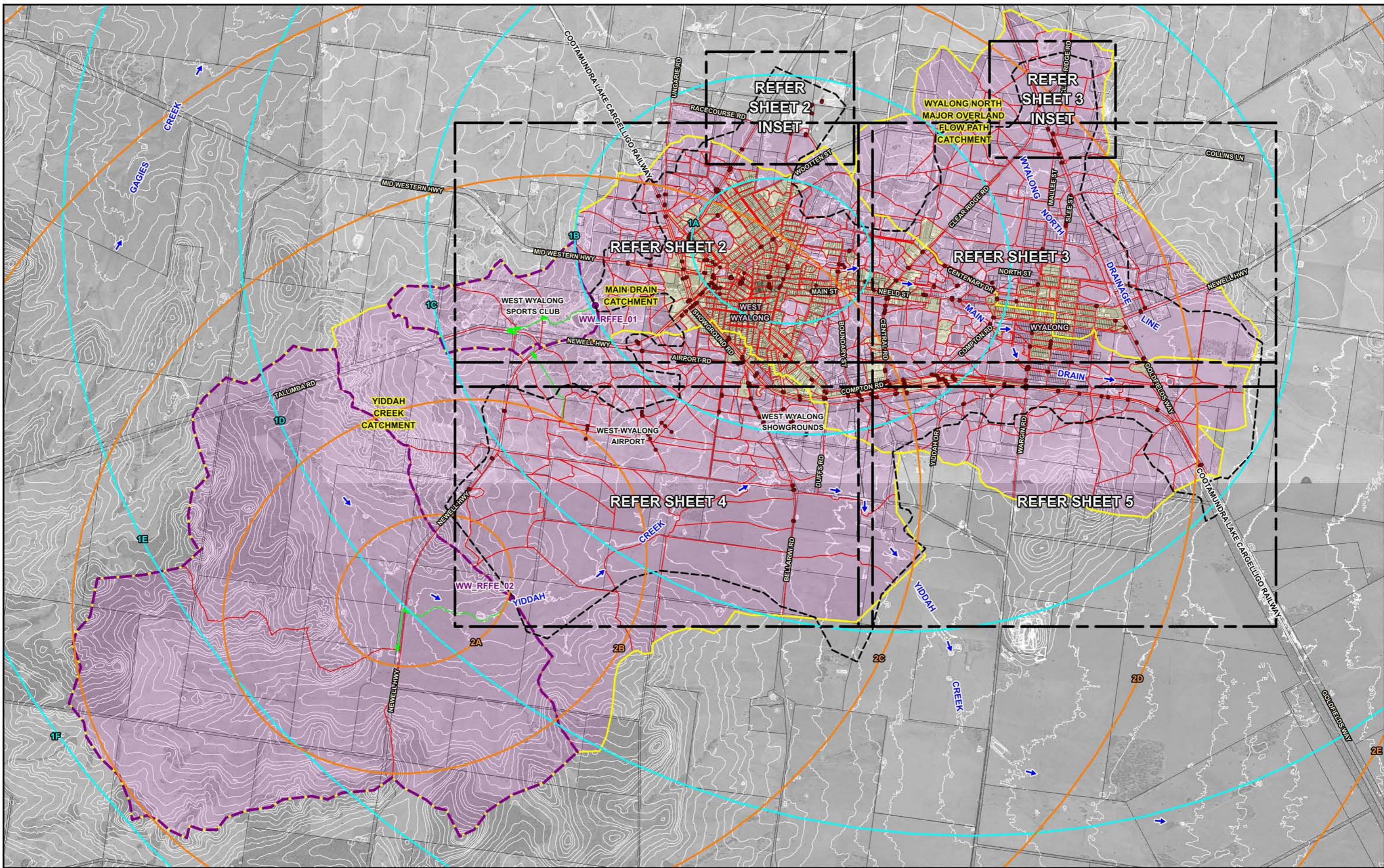
- 3-5 June 2016 Storm
- 20-21 June 2016 Storm
- 2 December 2017 Storm
- 5-6 February 2021 Storm
- 23 March 2021 Storm

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 2.3

CUMULATIVE RAINFALL AND INTENSITY-FREQUENCY-DURATION CURVES - HISTORIC STORM EVENTS  
WEST WYALONG AIRPORT AWS RAIN GAUGE (GS 50017)

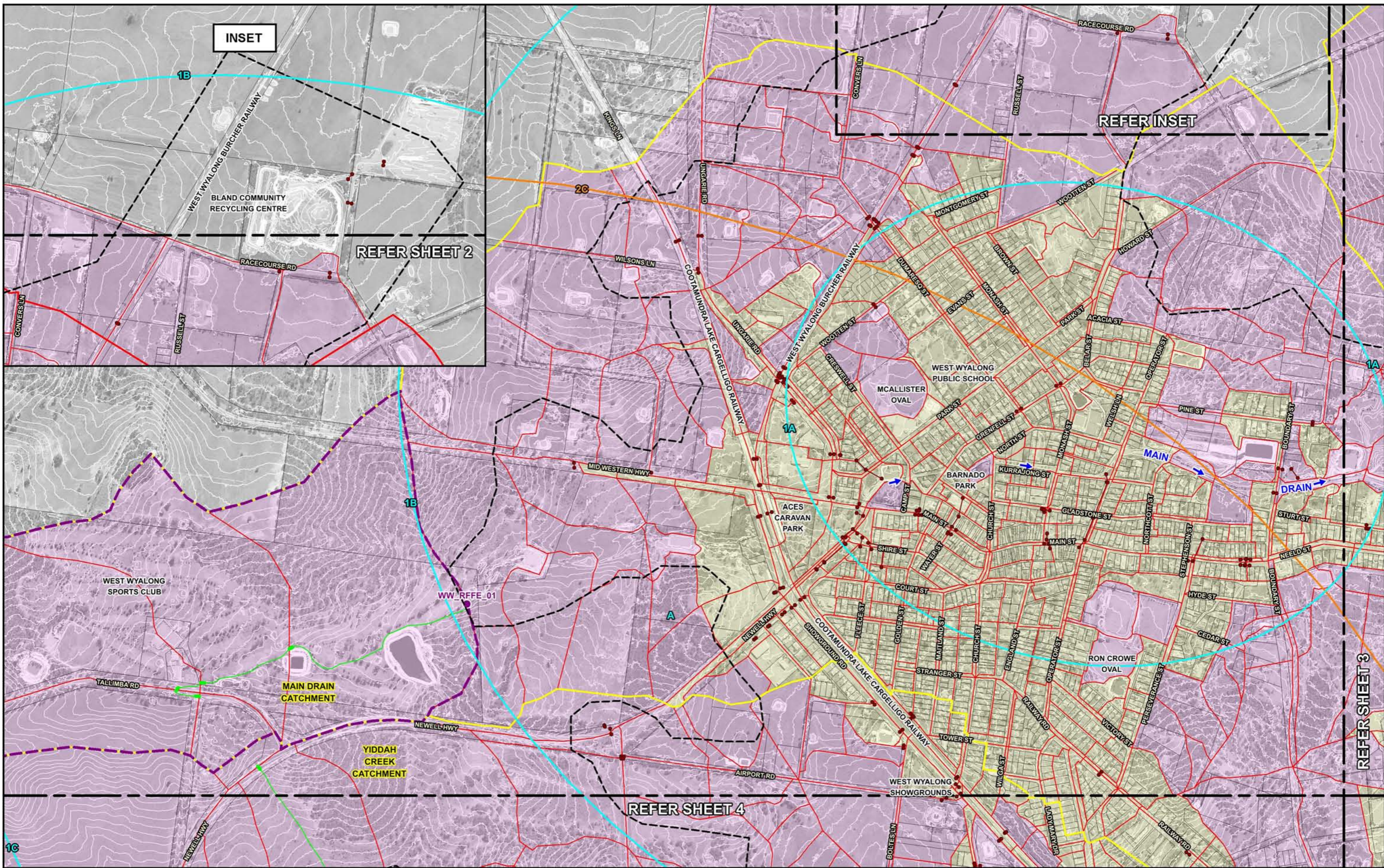




LEGEND			
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	Two-Dimensional Model Boundary		PMP Alignment 2 Ellipses
	Study Catchments		RFFE Check Catchment and Identifier
	Sub-Catchment Boundary		
	IL-CL Sub-Catchment		
	RAFTS Sub-Catchment		
	RAFTS Sub-Catchment Link		

**WYALONG AND WEST WYALONG  
FLOOD STUDY**

Figure 3.1  
(Sheet 1 of 5)



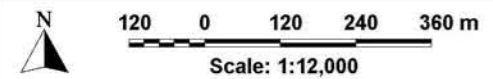
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REFER SHEET 4

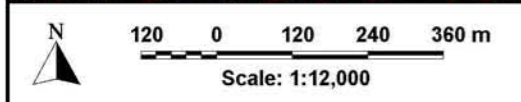
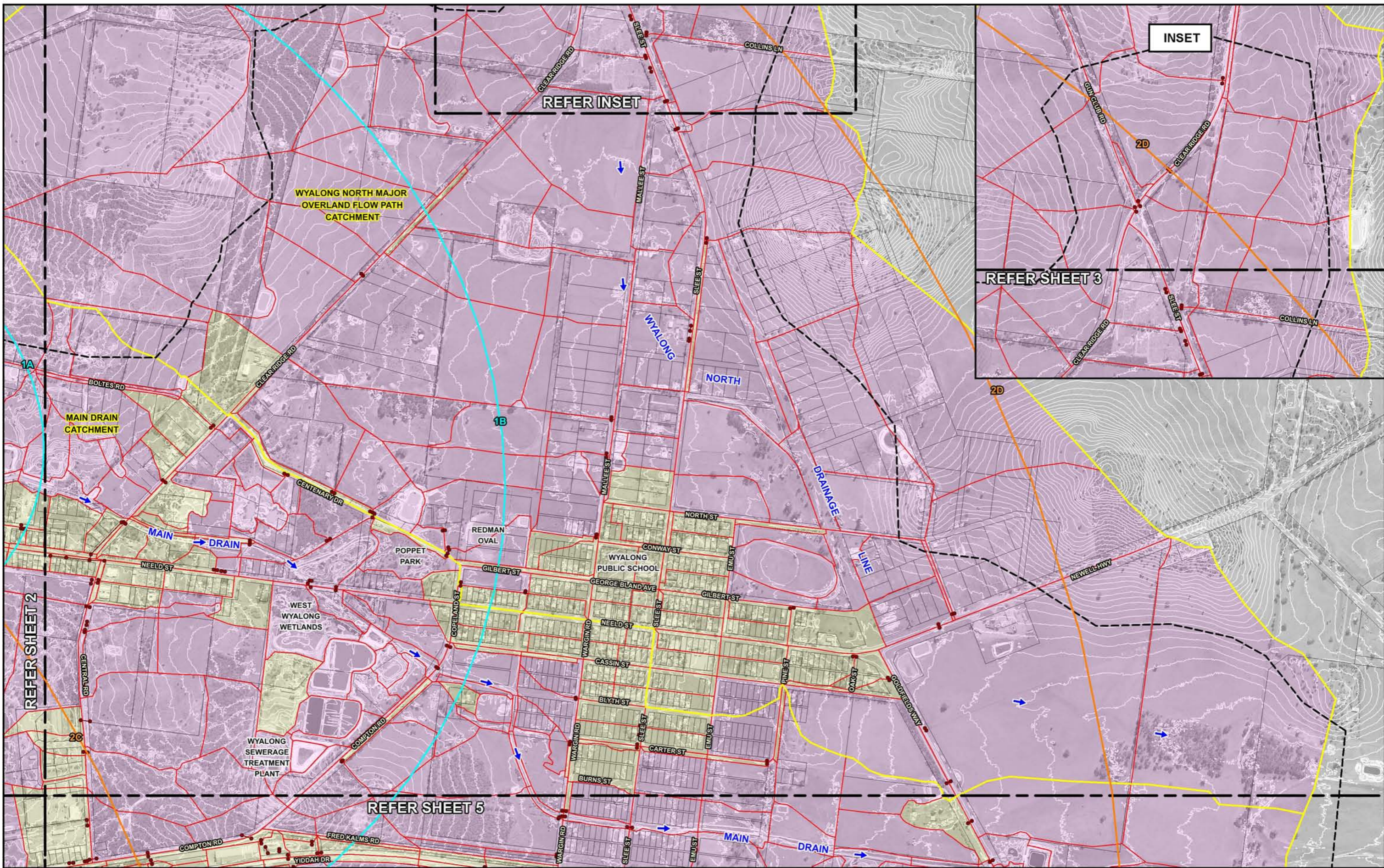
REFER SHEET 3



LEGEND			
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	Two-Dimensional Model Boundary		PMP Alignment 2 Ellipses
	Study Catchments		WW_RFFE_01 RFFE Check Catchment and Identifier
	Sub-Catchment Boundary		IL-CL Sub-Catchment
	RAFTS Sub-Catchment Link		RAFTS Sub-Catchment

WYALONG AND WEST WYALONG FLOOD STUDY

Figure 3.1 (Sheet 2 of 5)

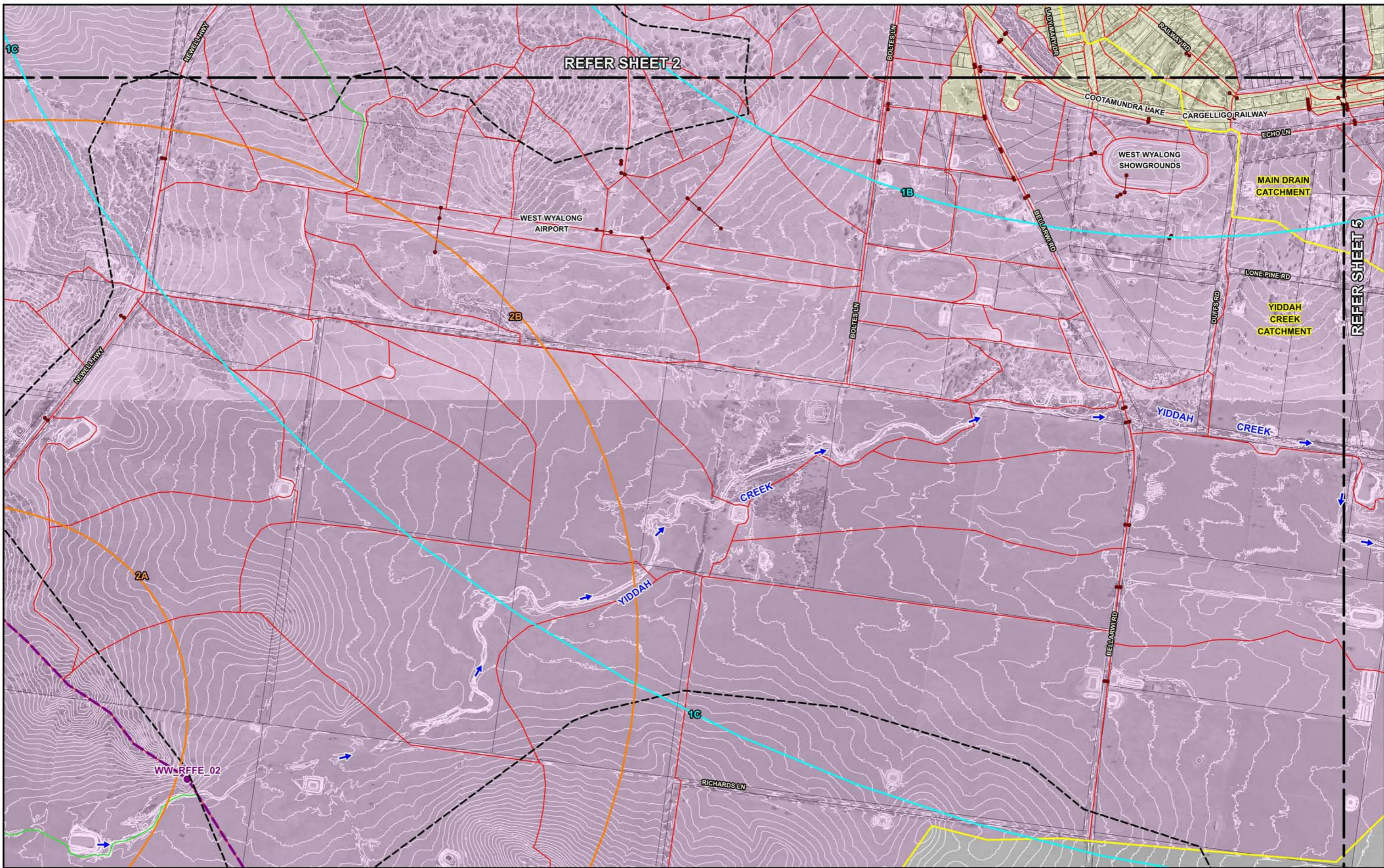


- |                                     |                     |                          |
|-------------------------------------|---------------------|--------------------------|
| Modelled Stormwater Drainage System | IL-CL Sub-Catchment | PMP Alignment 1 Ellipses |
| Two-Dimensional Model Boundary      | RAFTS Sub-Catchment | PMP Alignment 2 Ellipses |
| Study Catchments                    |                     |                          |
| Sub-Catchment Boundary              |                     |                          |

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 3.1  
(Sheet 3 of 5)





REFER SHEET 2

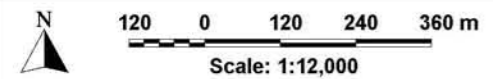
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MAIN DRAIN CATCHMENT

YIDDAH CREEK CATCHMENT

YIDDAH CREEK

WW\_RFFE\_02

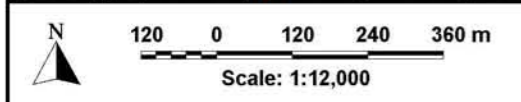
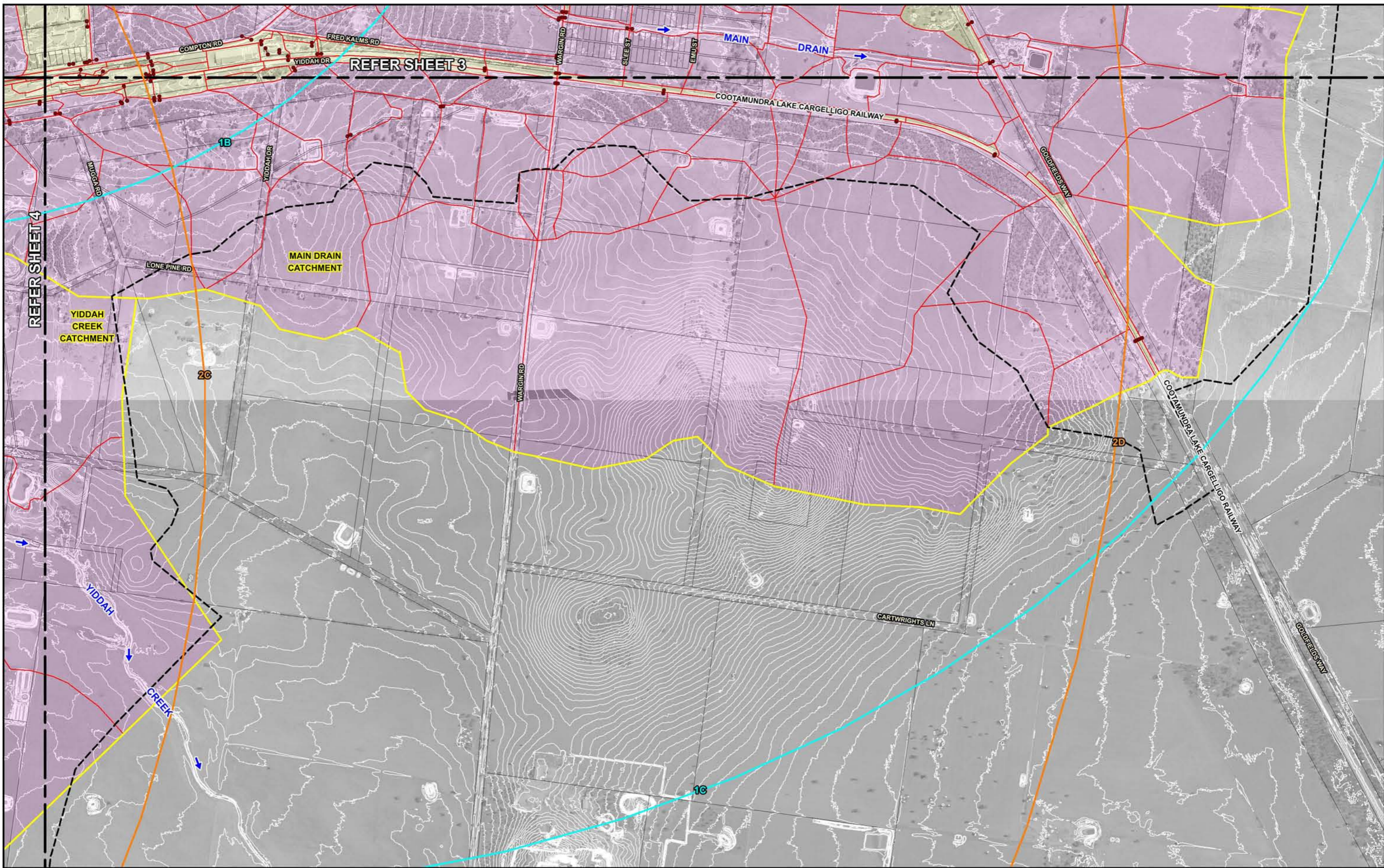






LEGEND			
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	Two-Dimensional Model Boundary		PMP Alignment 2 Ellipses
	Study Catchments		WW_RFFE_01 RFFE Check Catchment and Identifier
	Sub-Catchment Boundary		
	IL-CL Sub-Catchment		
	RAFTS Sub-Catchment		
	RAFTS Sub-Catchment Link		

WYALONG AND WEST WYALONG FLOOD STUDY

Figure 3.1 (Sheet 4 of 5)



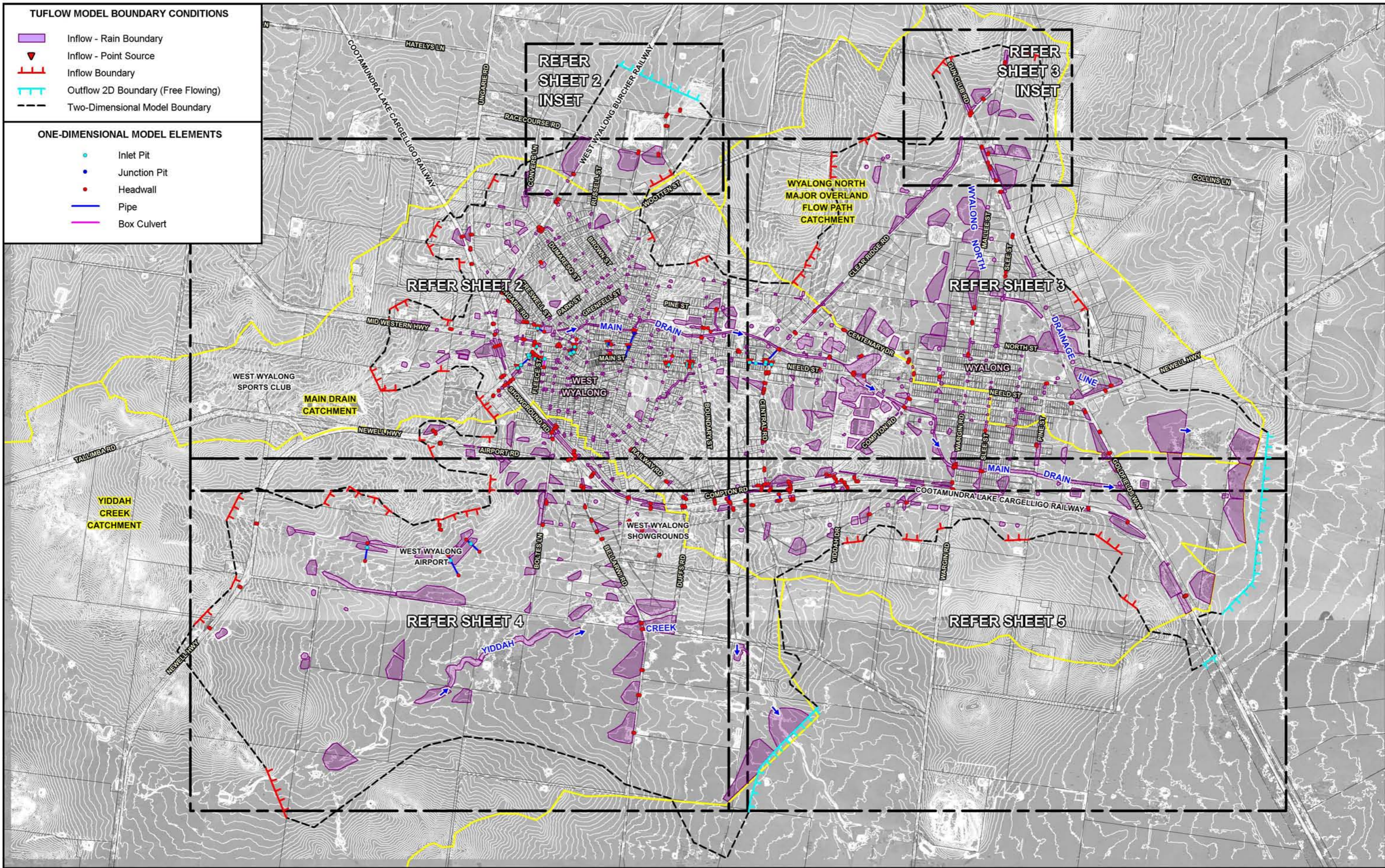


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	Two-Dimensional Model Boundary		PMP Alignment 2 Ellipses
	Study Catchments		
	Sub-Catchment Boundary		
	IL-CL Sub-Catchment		
	RAFTS Sub-Catchment		

**WYALONG AND WEST WYALONG  
FLOOD STUDY**

Figure 3.1  
(Sheet 5 of 5)



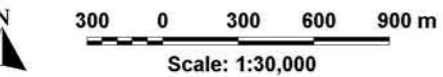


**TUFLOW MODEL BOUNDARY CONDITIONS**

- Inflow - Rain Boundary
- ▼ Inflow - Point Source
- Inflow Boundary
- Outflow 2D Boundary (Free Flowing)
- - - Two-Dimensional Model Boundary

**ONE-DIMENSIONAL MODEL ELEMENTS**

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



**LEGEND**  
— Study Catchments

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 4.1  
 (Sheet 1 of 5)



**TUFLOW MODEL BOUNDARY CONDITIONS**

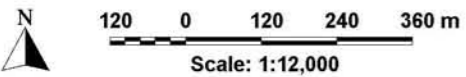
- Inflow - Rain Boundary
- Inflow - Point Source
- Inflow Boundary
- Outflow 2D Boundary (Free Flowing)
- Two-Dimensional Model Boundary

**ONE-DIMENSIONAL MODEL ELEMENTS**

- Inlet Pit
- Junction Pit
- Headwall
- Pipe
- Box Culvert
- Footbridge

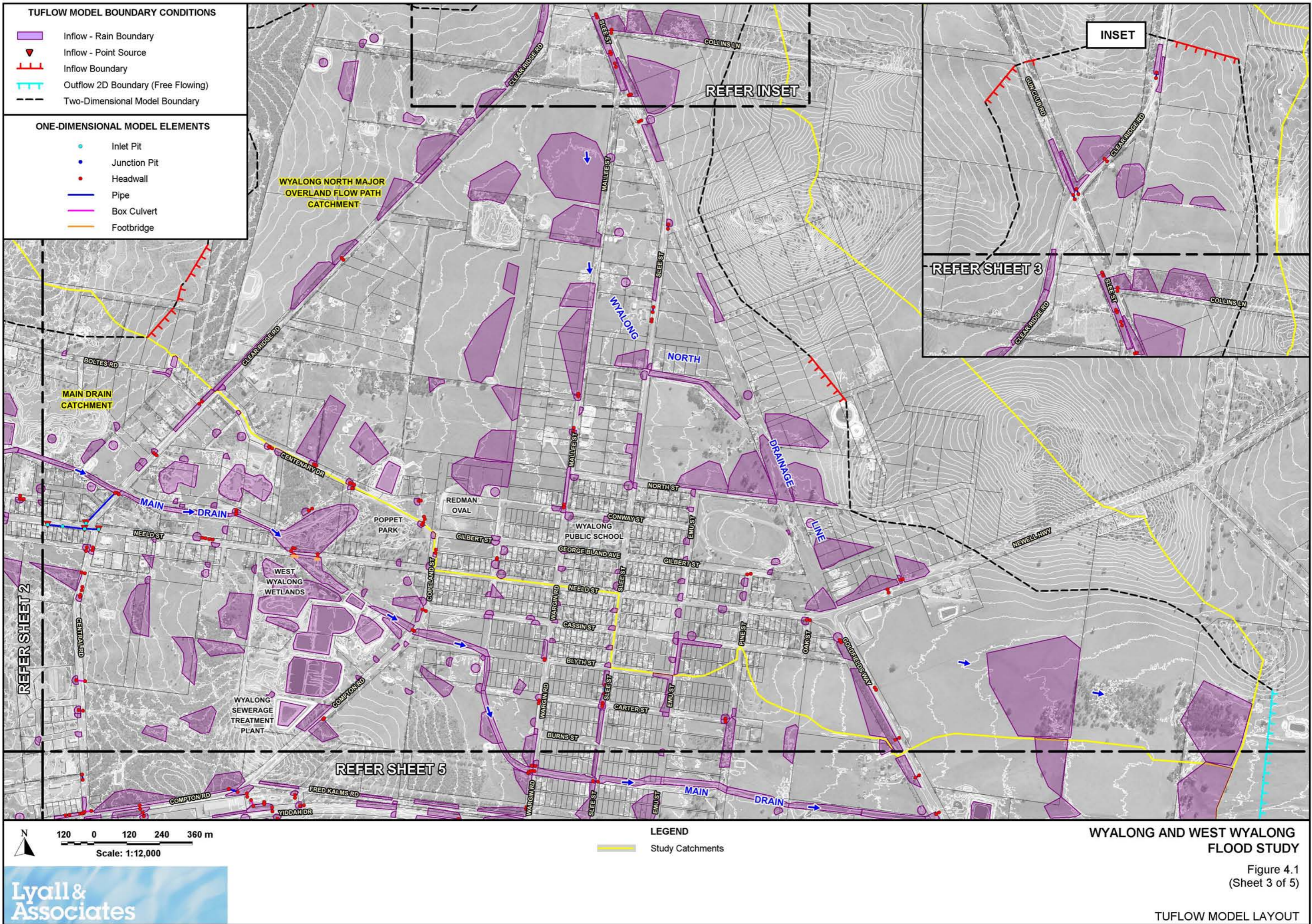
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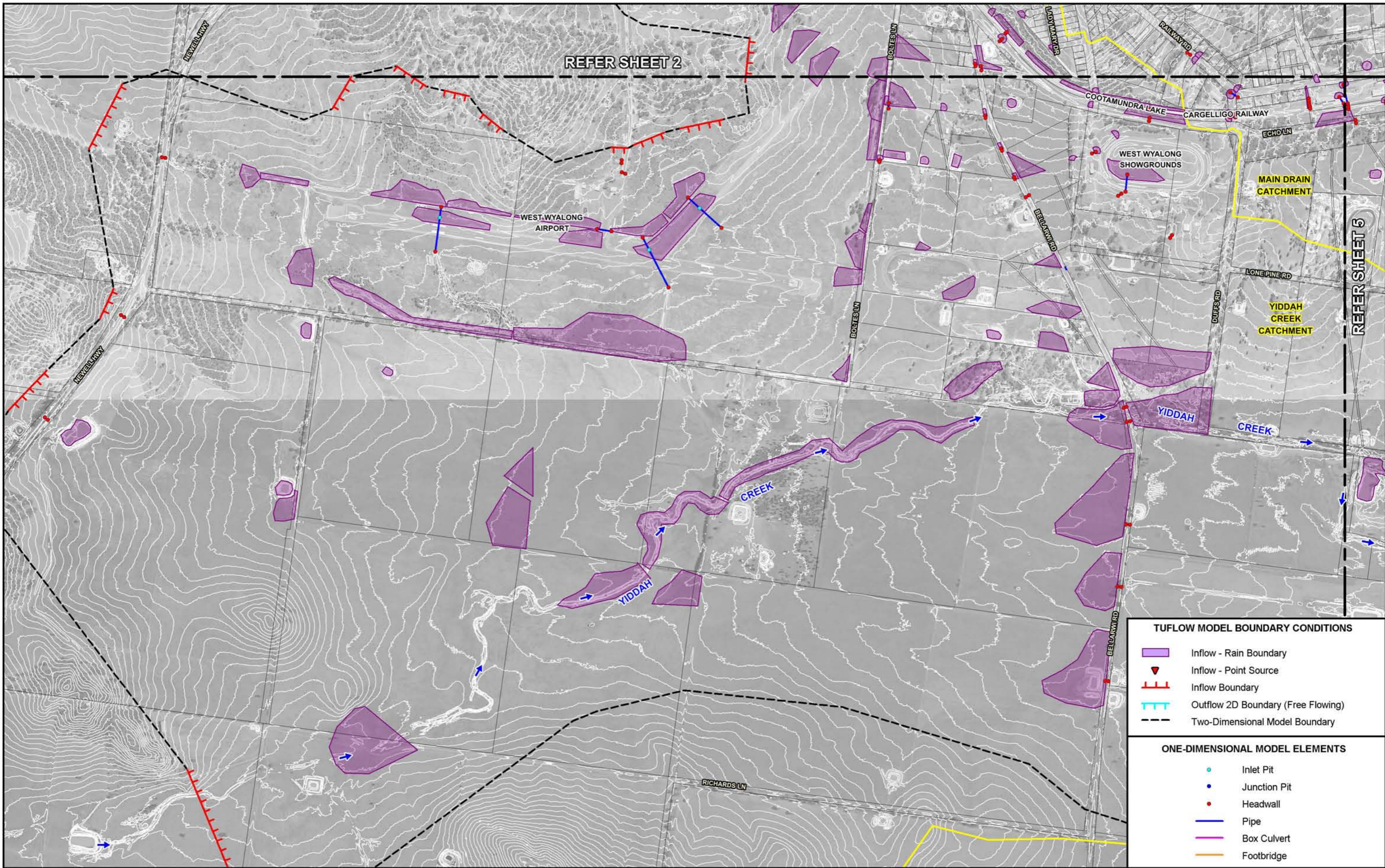
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**LEGEND**  
 Study Catchments

**WYALONG AND WEST WYALONG FLOOD STUDY**





**TUFLOW MODEL BOUNDARY CONDITIONS**

	Inflow - Rain Boundary
	Inflow - Point Source
	Inflow Boundary
	Outflow 2D Boundary (Free Flowing)
	Two-Dimensional Model Boundary

**ONE-DIMENSIONAL MODEL ELEMENTS**

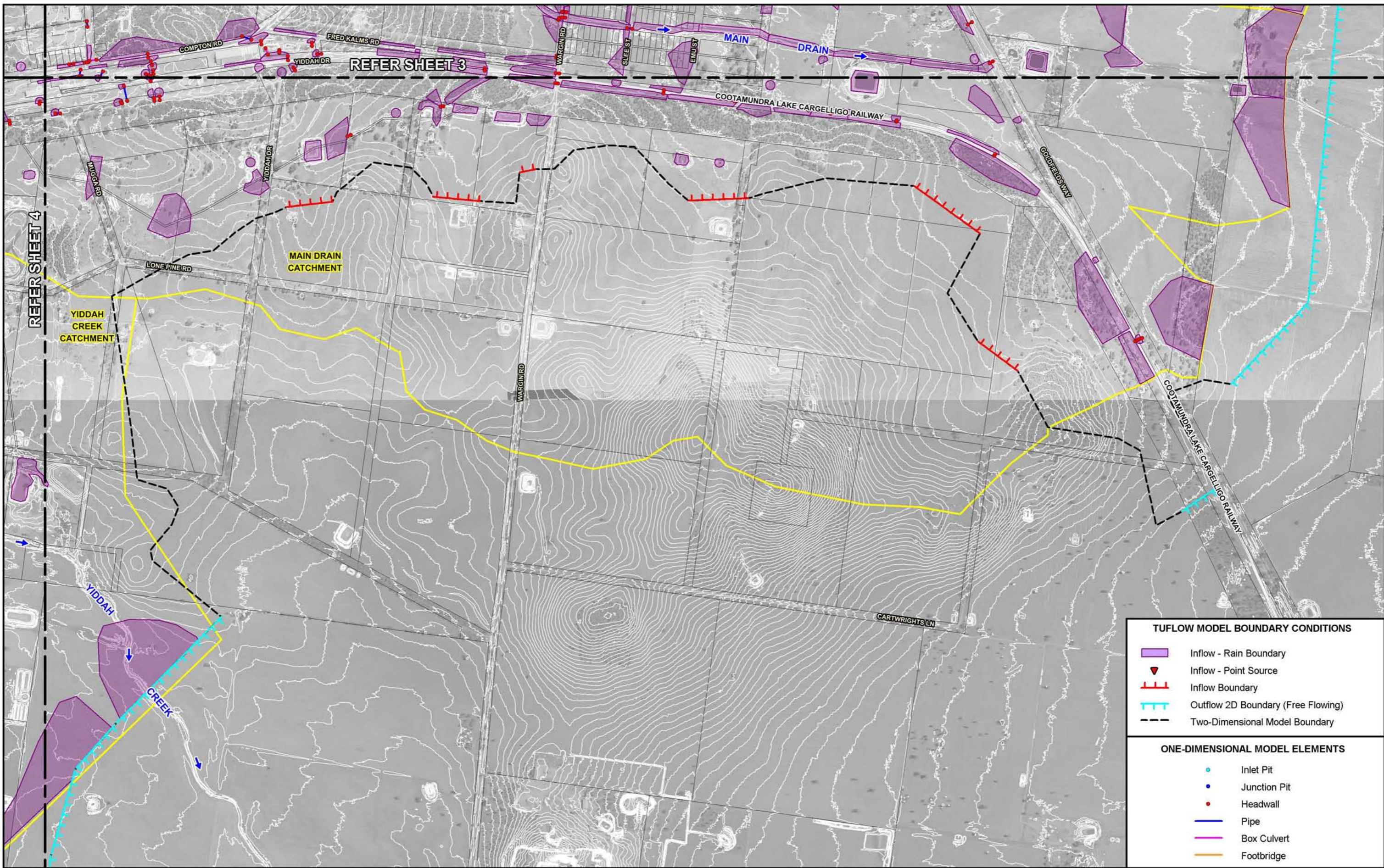
	Inlet Pit
	Junction Pit
	Headwall
	Pipe
	Box Culvert
	Footbridge

**LEGEND**  
 Study Catchments

N  
 120 0 120 240 360 m  
 Scale: 1:12,000

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 4.1  
 (Sheet 4 of 5)



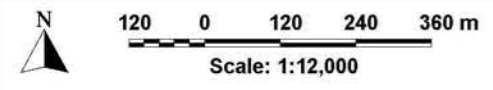
**TUFLOW MODEL BOUNDARY CONDITIONS**

	Inflow - Rain Boundary
	Inflow - Point Source
	Inflow Boundary
	Outflow 2D Boundary (Free Flowing)
	Two-Dimensional Model Boundary

**ONE-DIMENSIONAL MODEL ELEMENTS**

	Inlet Pit
	Junction Pit
	Headwall
	Pipe
	Box Culvert
	Footbridge

**LEGEND**  
 Study Catchments



**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 4.1  
(Sheet 5 of 5)

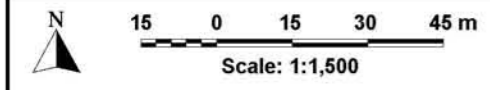


**TUFLOW HYDRAULIC ROUGHNESS SCHEMATISATION**

- Roads/Concrete Channels (n = 0.02)
- Buildings (n = 10)
- Grassed/Paved Inter-Allotment Area (n = 0.1)
- Vegetated Areas (n = 0.08)
- Unshaded Areas (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



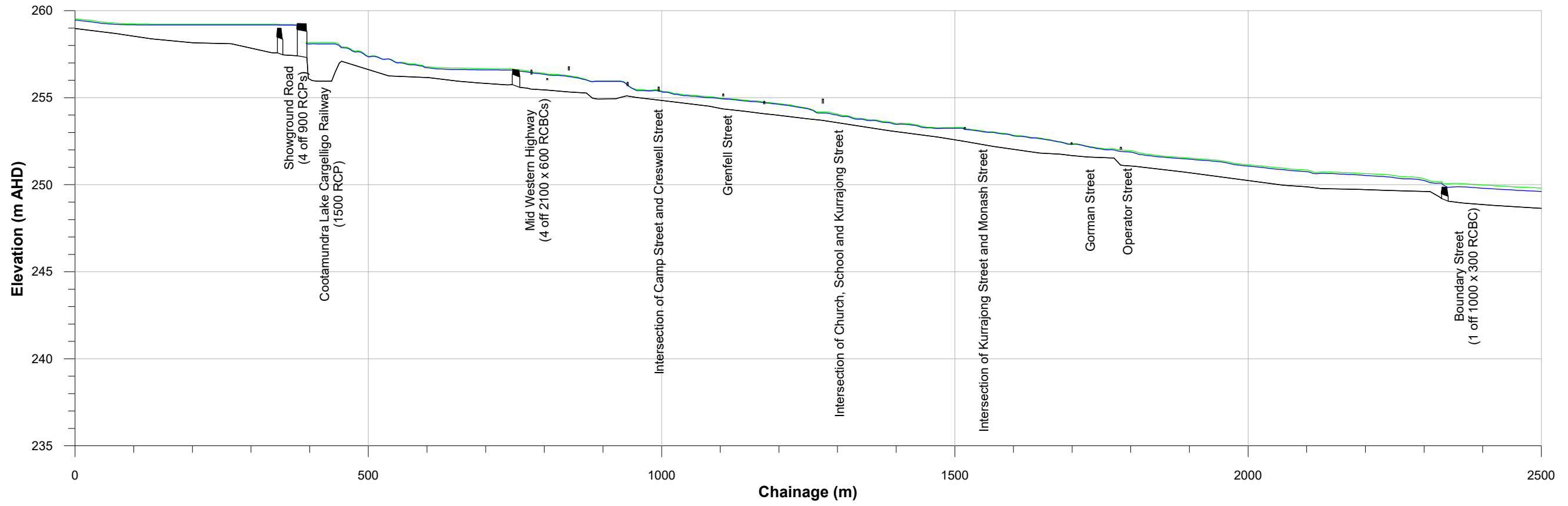
**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.  
 Flood depths are therefore approximate only and 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**

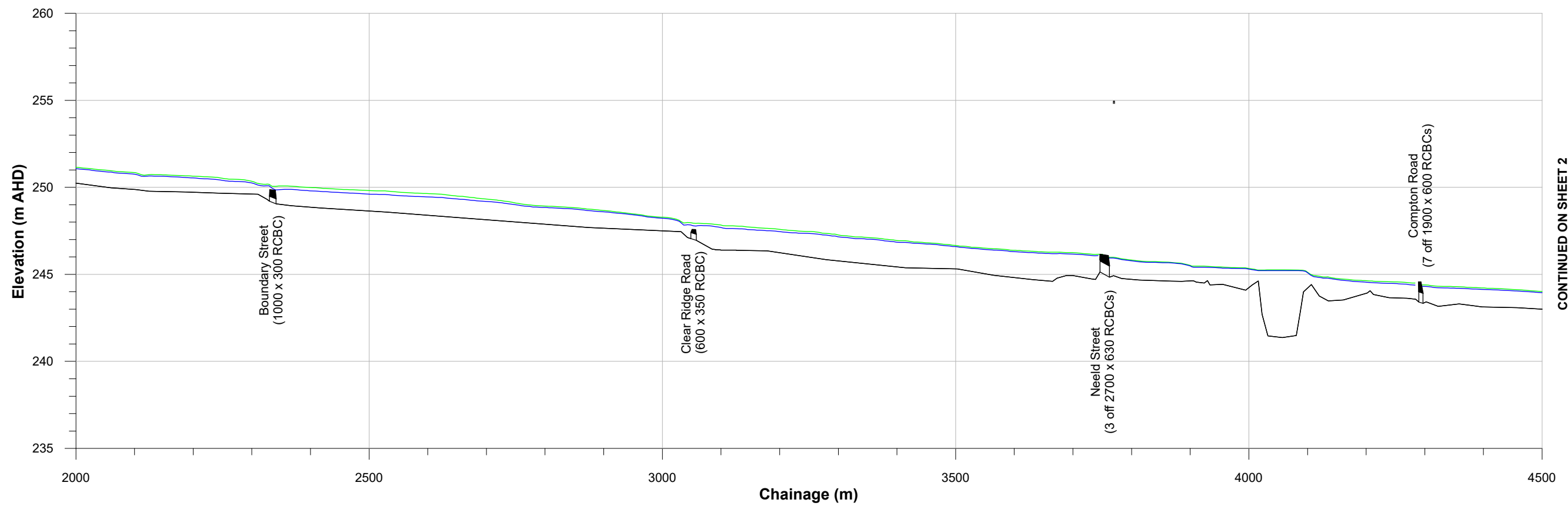
- Modelled Stormwater Drainage System
- Building Outlines

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 4.2



CONTINUED BELOW



CONTINUED ON SHEET 2

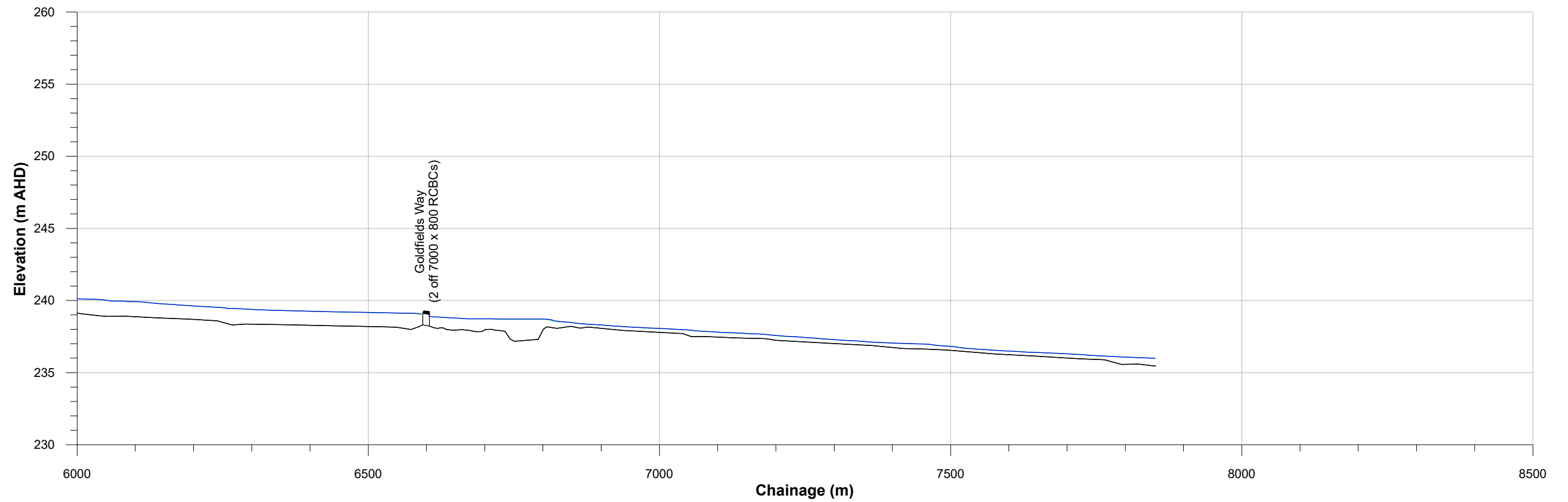
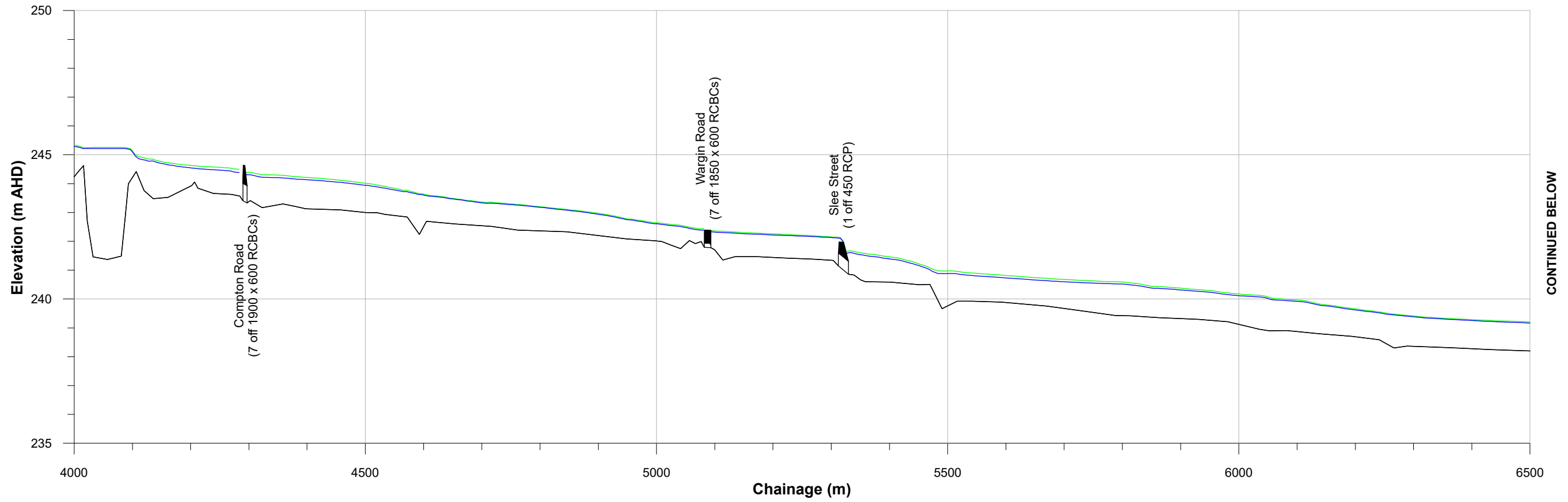
**LEGEND**  
 — 2 December 2017  
 — 23 March 2021

**WYALONG AND WEST WYALONG  
 FLOOD STUDY**

Figure 4.3  
 (Sheet 1 of 2)

WATER SURFACE PROFILES  
 HISTORIC STORM EVENTS





**LEGEND**  
 — 2 December 2017  
 — 23 March 2021

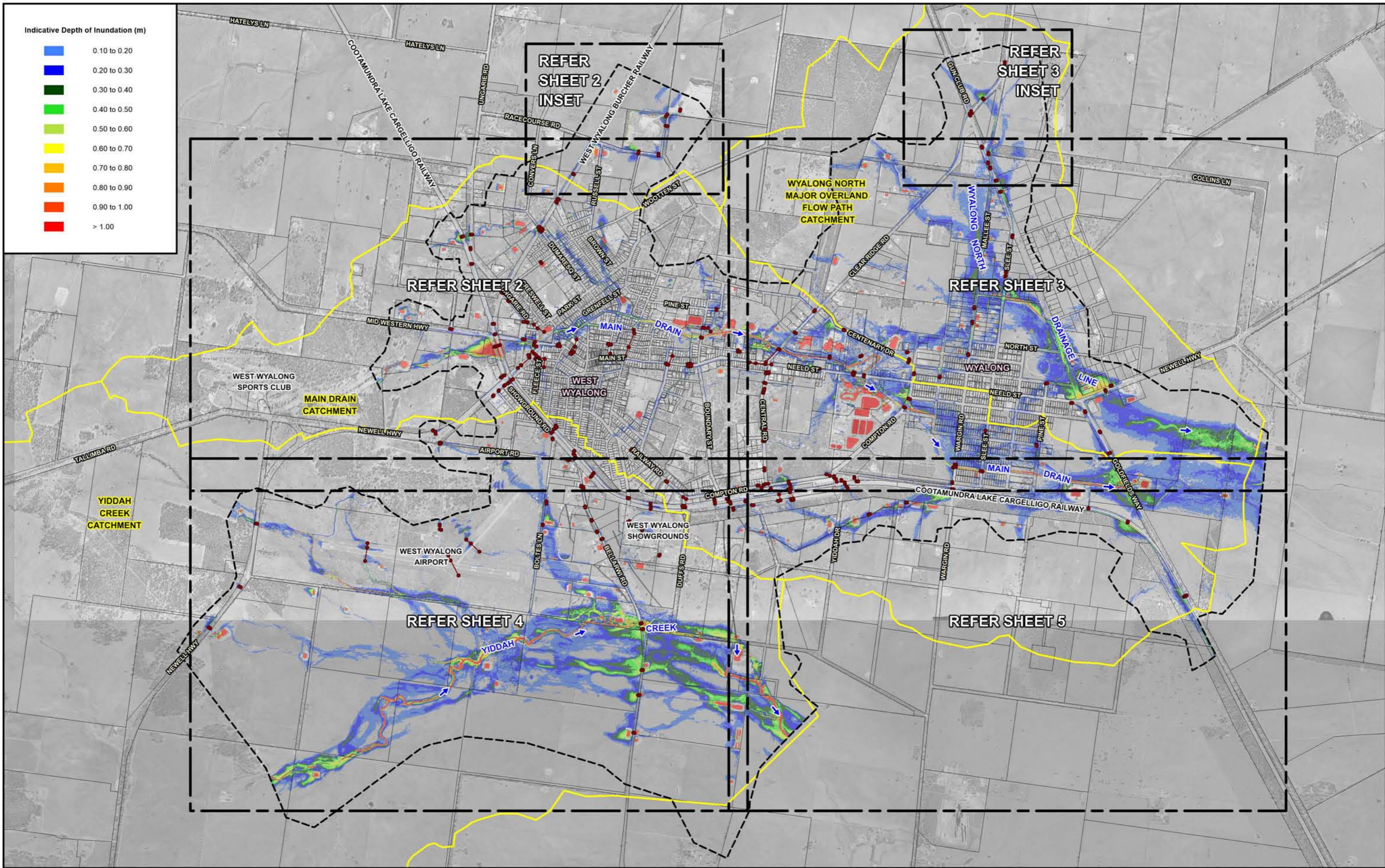
**WYALONG AND WEST WYALONG  
 FLOOD STUDY**

Figure 4.3  
 (Sheet 2 of 2)

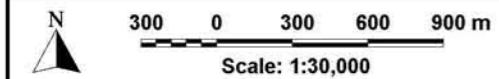
WATER SURFACE PROFILES  
 HISTORIC STORM EVENTS







Indicative Depth of Inundation (m)



**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.

Flood depths not shown within the footprint of existing buildings.

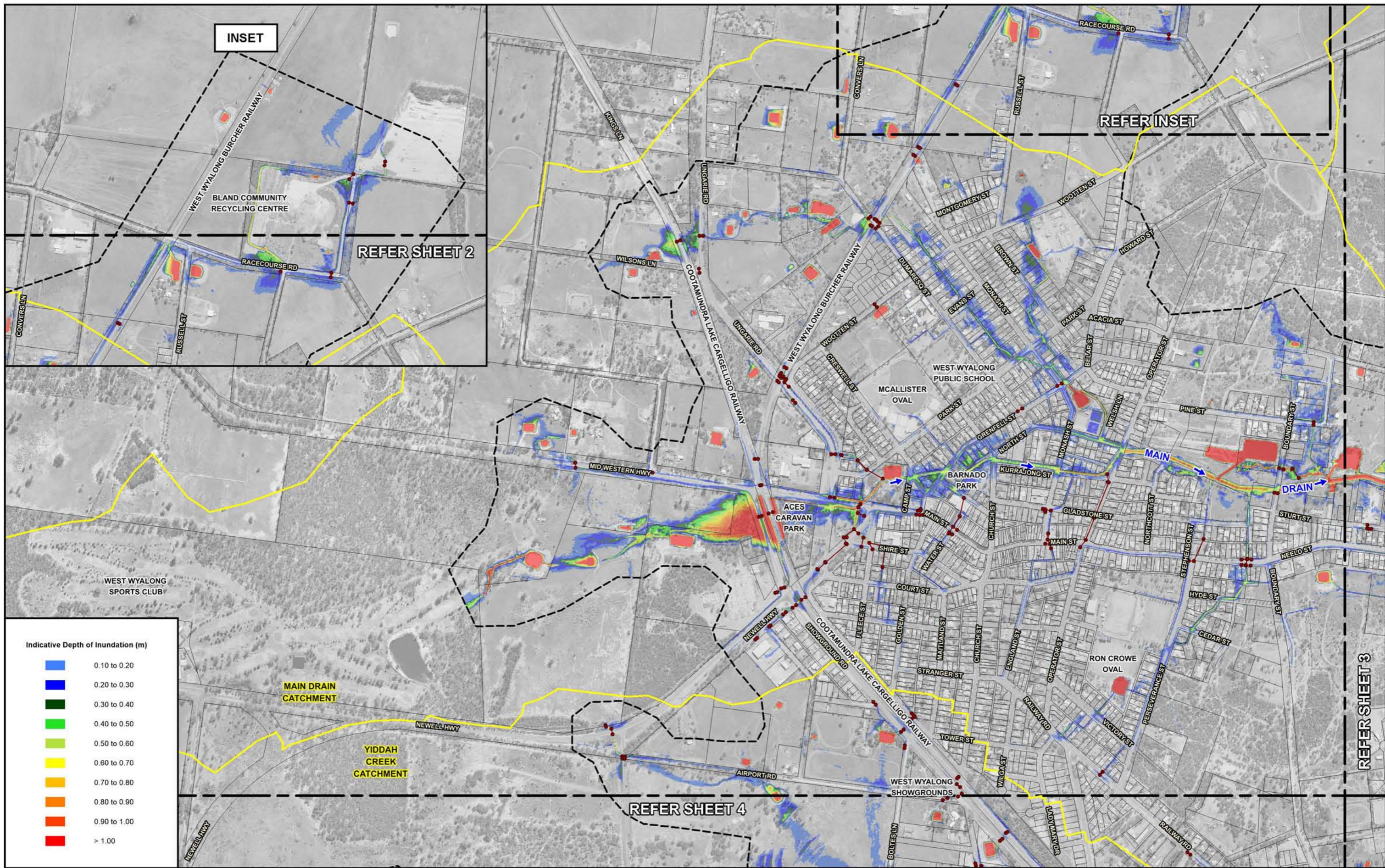
**LEGEND**

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Location of Observed Flood Behaviour
- Study Catchments

**WYALONG AND WEST WYALONG FLOOD STUDY**

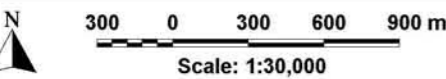
Figure 4.4  
(Sheet 1 of 5)

TUFLOW MODEL RESULTS  
2 DECEMBER 2017 STORM EVENT



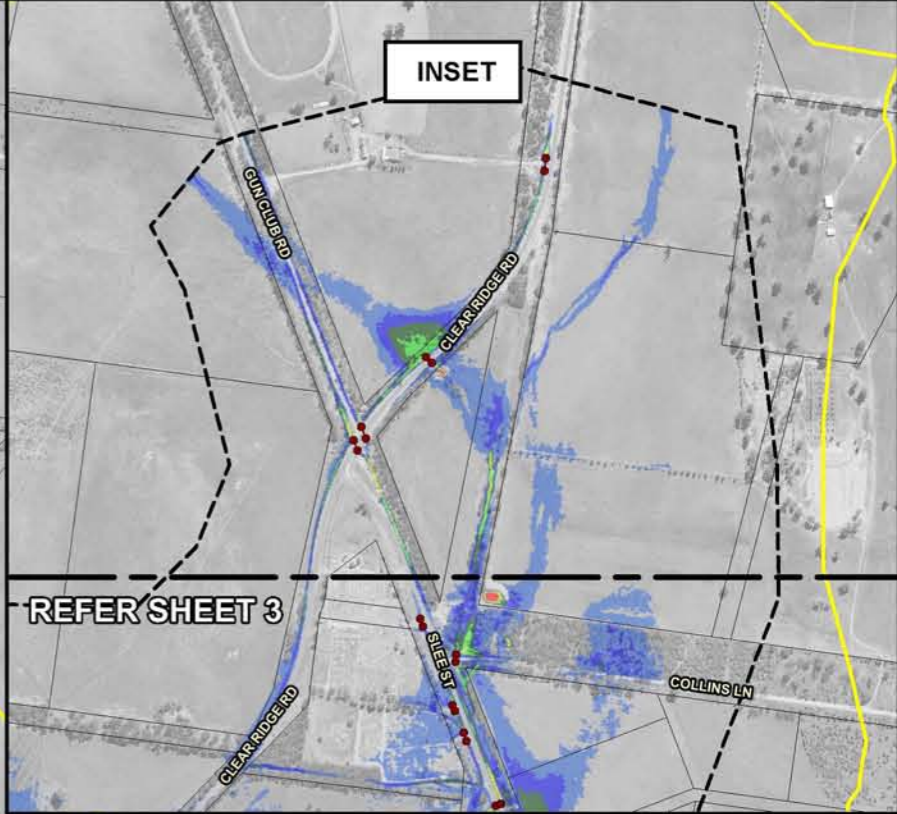
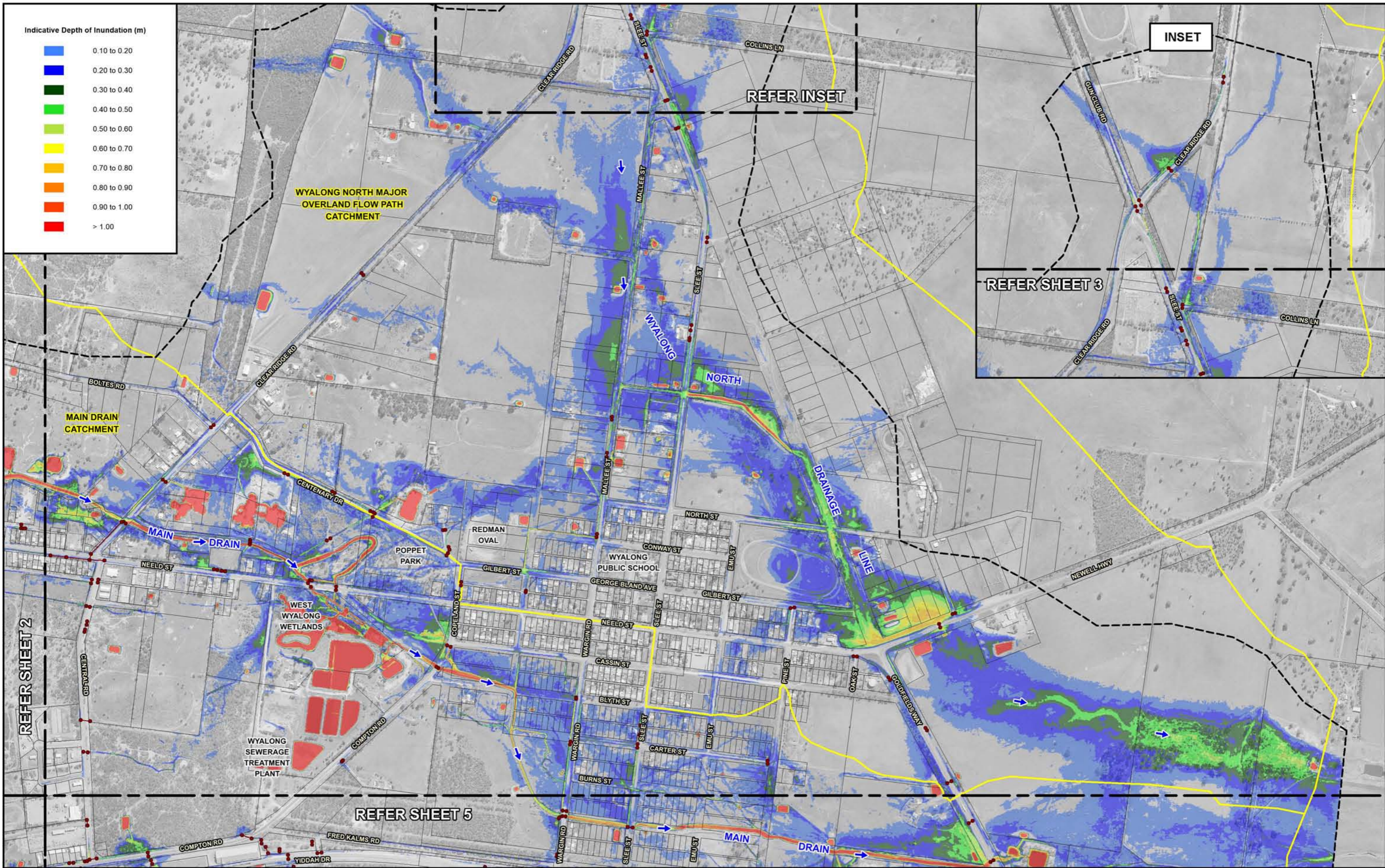
Indicative Depth of Inundation (m)

Blue	0.10 to 0.20
Dark Blue	0.20 to 0.30
Green	0.30 to 0.40
Light Green	0.40 to 0.50
Yellow-Green	0.50 to 0.60
Yellow	0.60 to 0.70
Orange	0.70 to 0.80
Red-Orange	0.80 to 0.90
Red	0.90 to 1.00
Dark Red	> 1.00



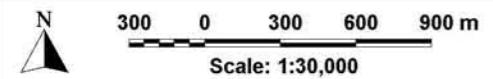
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 Flood depths not shown within the footprint of existing buildings.

- LEGEND**
- Modelled Stormwater Drainage System
  - Two-Dimensional Model Boundary
  - Study Catchments



Indicative Depth of Inundation (m)

Light Blue	0.10 to 0.20
Blue	0.20 to 0.30
Dark Blue	0.30 to 0.40
Green	0.40 to 0.50
Light Green	0.50 to 0.60
Yellow	0.60 to 0.70
Orange	0.70 to 0.80
Red-Orange	0.80 to 0.90
Red	0.90 to 1.00
Dark Red	> 1.00



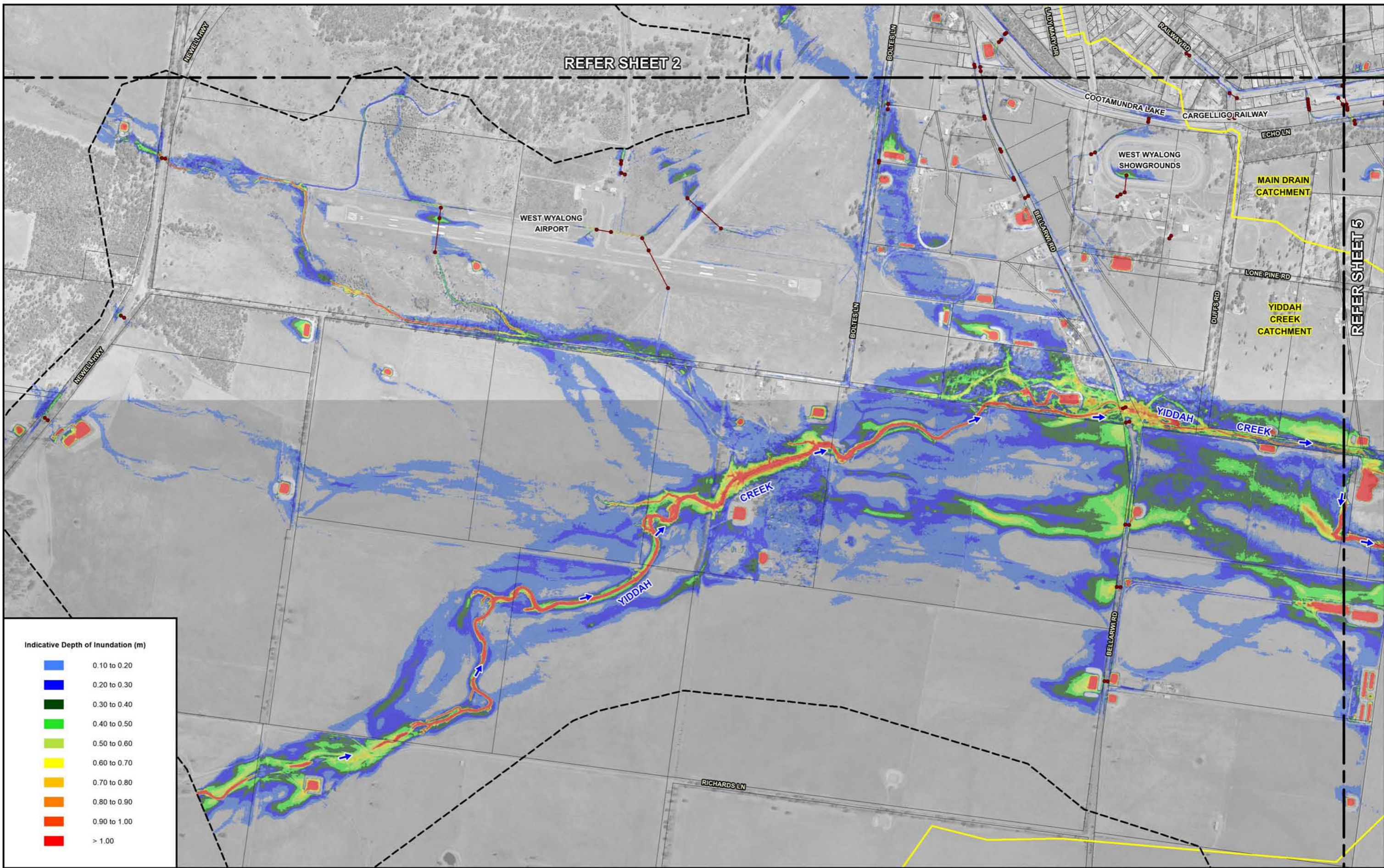
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 Flood depths not shown within the footprint of existing buildings.

- LEGEND**
- Red line with dots: Modelled Stormwater Drainage System
  - Yellow line: Study Catchments
  - Dashed line: Two-Dimensional Model Boundary



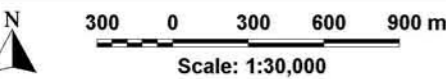
**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 4.4  
 (Sheet 3 of 5)  
 TUFLOW MODEL RESULTS  
 2 DECEMBER 2017 STORM EVENT



Indicative Depth of Inundation (m)

Light Blue	0.10 to 0.20
Dark Blue	0.20 to 0.30
Green	0.30 to 0.40
Light Green	0.40 to 0.50
Yellow-Green	0.50 to 0.60
Yellow	0.60 to 0.70
Orange	0.70 to 0.80
Red-Orange	0.80 to 0.90
Red	0.90 to 1.00
Dark Red	> 1.00



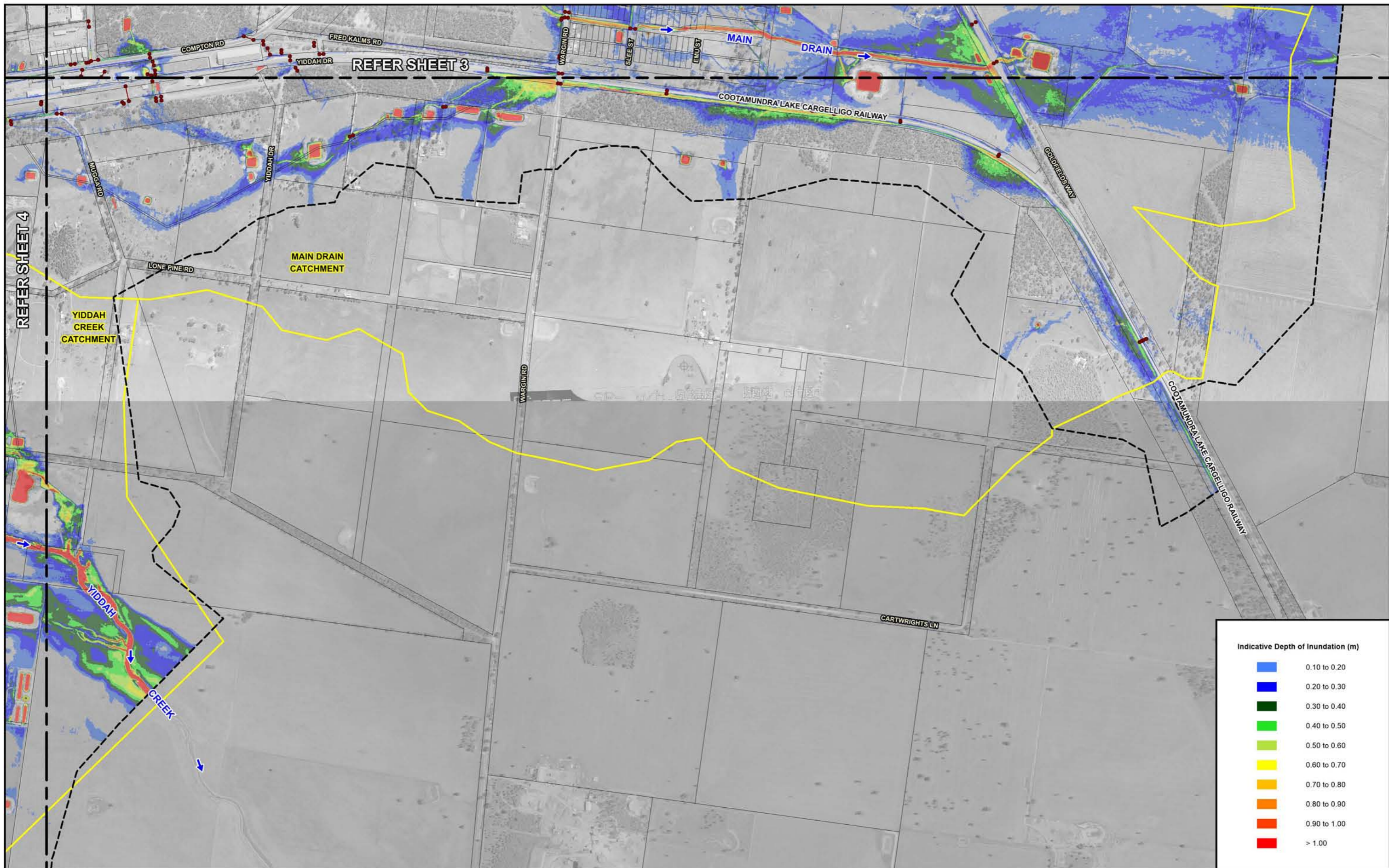
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- LEGEND**
- Modelled Stormwater Drainage System
  - Two-Dimensional Model Boundary
  - Study Catchments

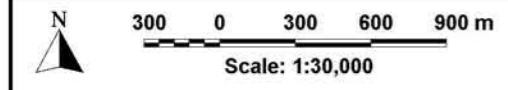
**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 4.4  
(Sheet 4 of 5)

TUFLOW MODEL RESULTS  
 2 DECEMBER 2017 STORM EVENT



Indicative Depth of Inundation (m)	
Light Blue	0.10 to 0.20
Blue	0.20 to 0.30
Dark Blue	0.30 to 0.40
Green	0.40 to 0.50
Light Green	0.50 to 0.60
Yellow	0.60 to 0.70
Orange	0.70 to 0.80
Red-Orange	0.80 to 0.90
Red	0.90 to 1.00
Dark Red	> 1.00



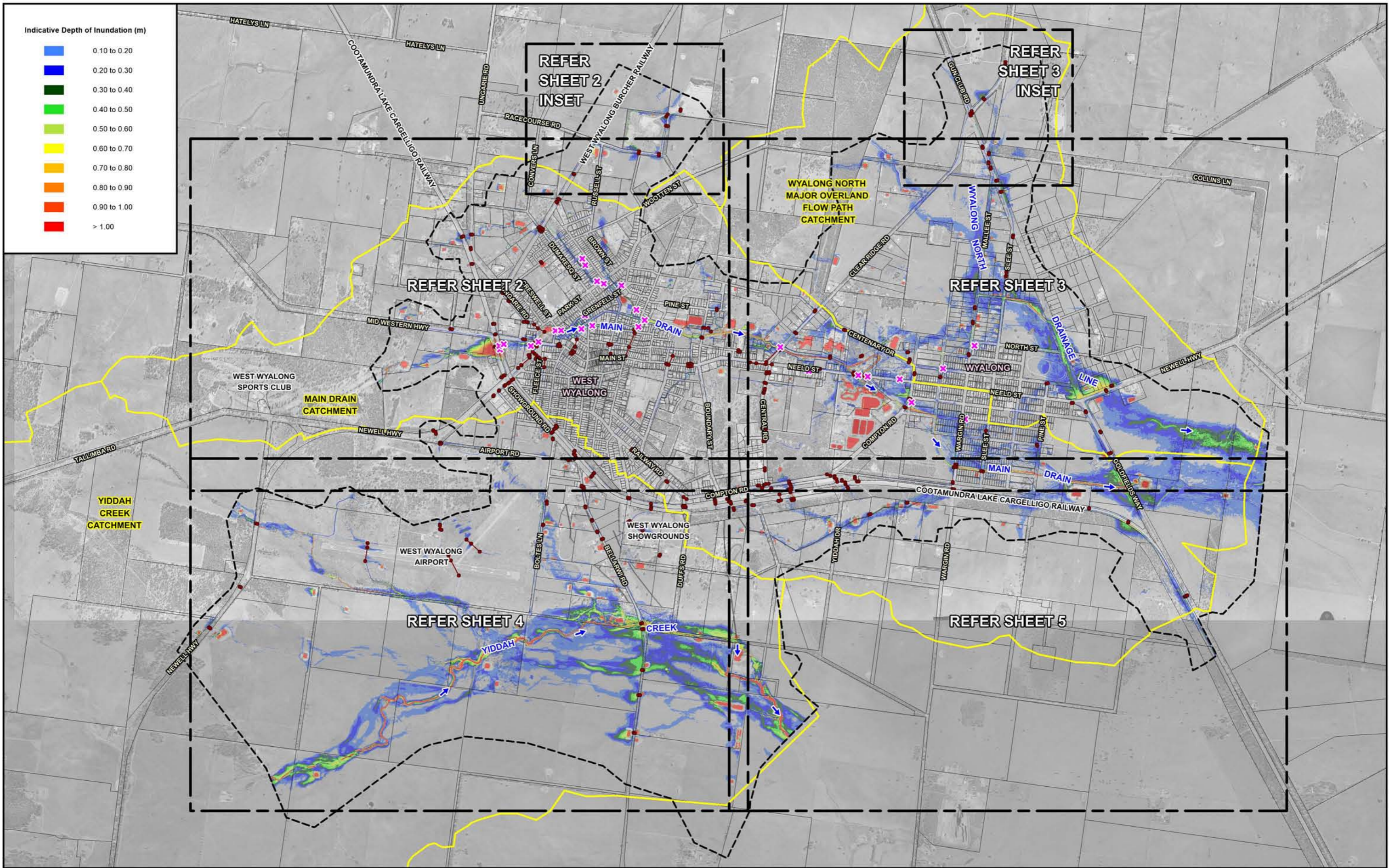
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 Flood depths not shown within the footprint of existing buildings.

- LEGEND**
- Modelled Stormwater Drainage System
  - Two-Dimensional Model Boundary
  - Study Catchments

**WYALONG AND WEST WYALONG  
 FLOOD STUDY**

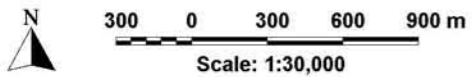
Figure 4.4  
 (Sheet 5 of 5)

TUFLOW MODEL RESULTS  
 2 DECEMBER 2017 STORM EVENT



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



NOTE:

The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.

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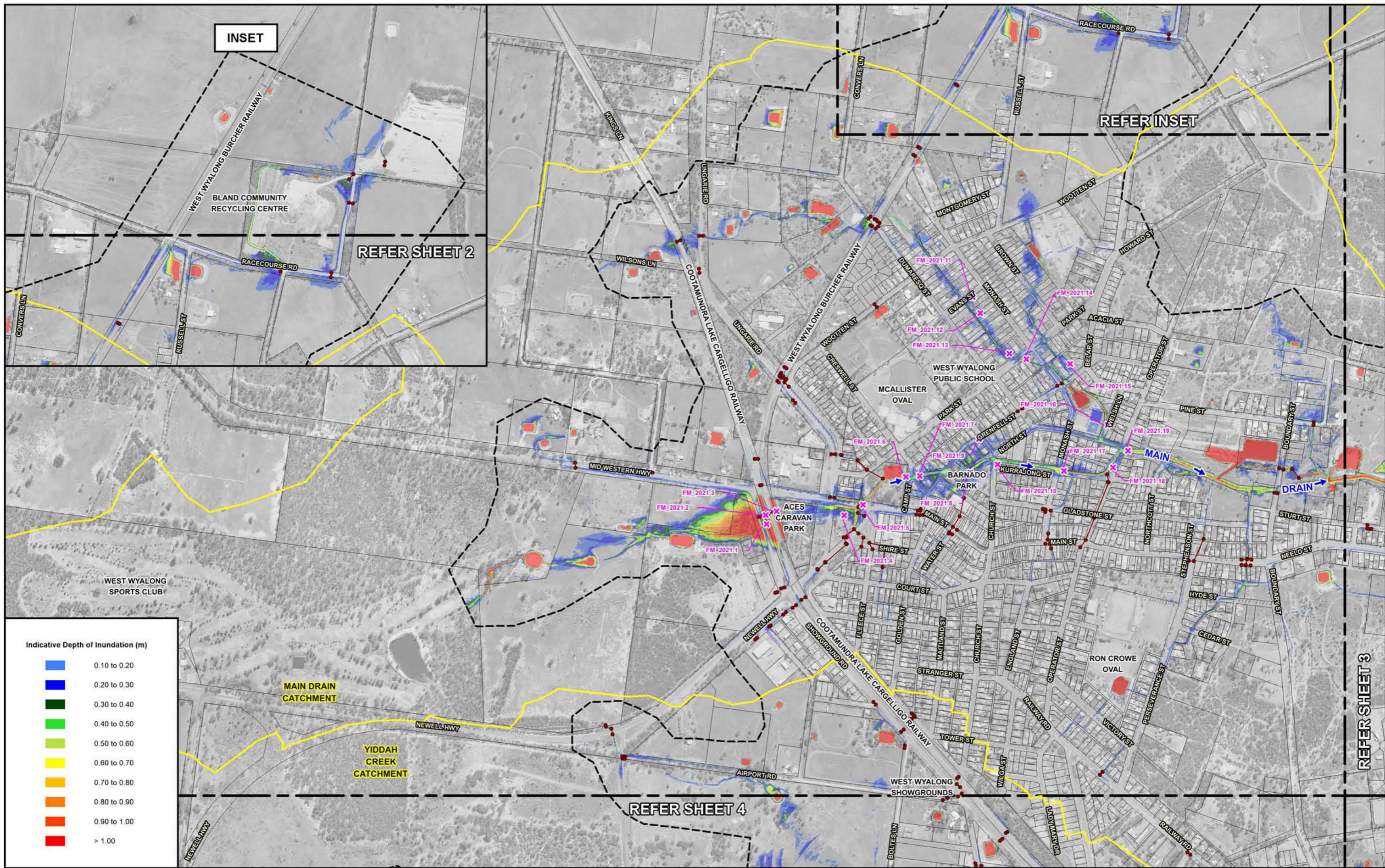
LEGEND

- Modelled Stormwater Drainage System
- - - Two-Dimensional Model Boundary
- ✖ Location of Observed Flood Behaviour
- Study Catchments

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 4.5  
(Sheet 1 of 5)

TUFLOW MODEL RESULTS  
23 MARCH 2021 STORM EVENT

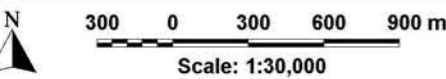


Indicative Depth of Inundation (m)

Blue	0.10 to 0.20
Dark Blue	0.20 to 0.30
Green	0.30 to 0.40
Light Green	0.40 to 0.50
Yellow-Green	0.50 to 0.60
Yellow	0.60 to 0.70
Orange	0.70 to 0.80
Red-Orange	0.80 to 0.90
Red	0.90 to 1.00
Dark Red	> 1.00

MAIN DRAIN  
CATCHMENT

YIDDAH  
CREEK  
CATCHMENT



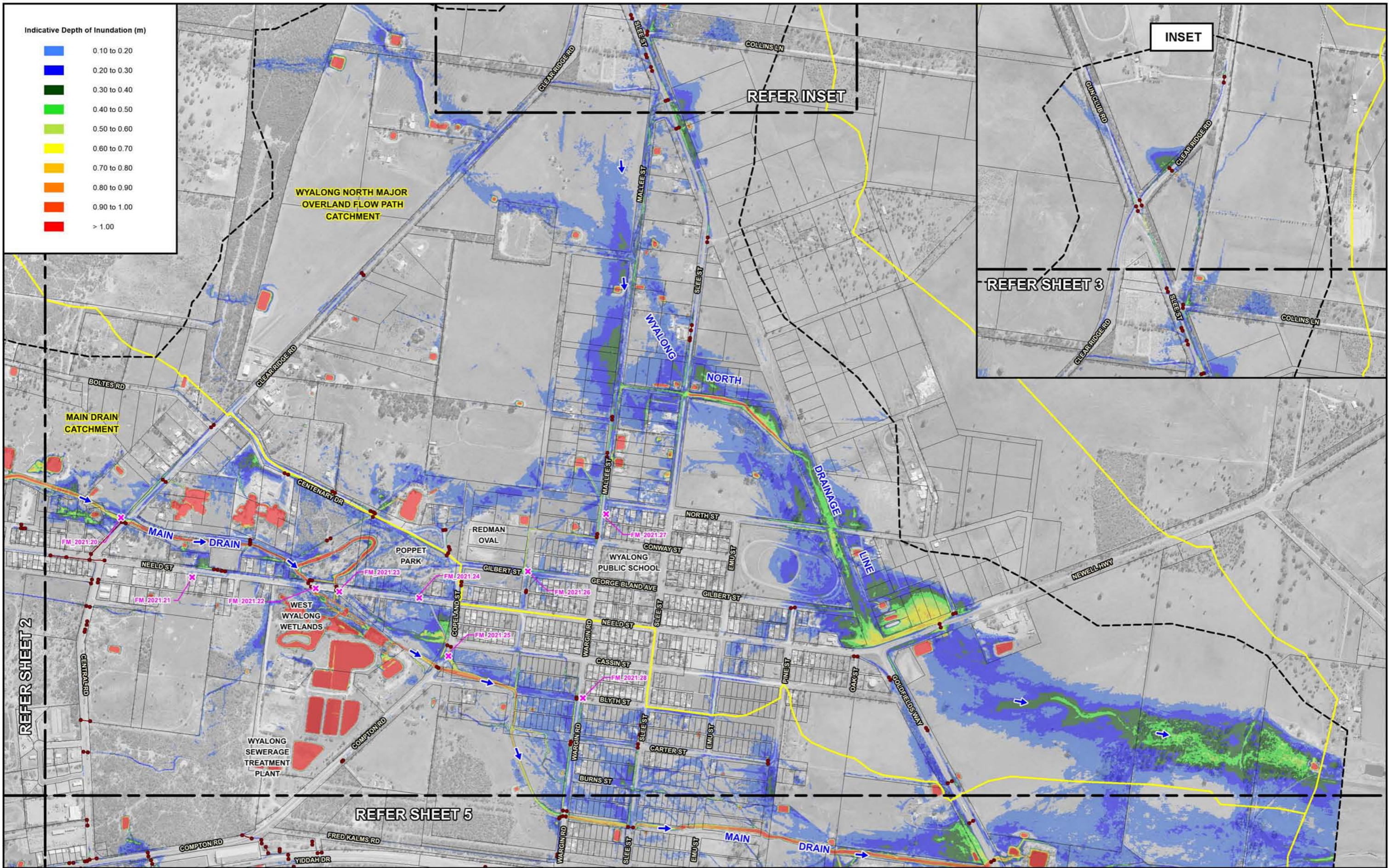
NOTE:  
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Flood depths not shown within the footprint of existing buildings.

- LEGEND
- Modelled Stormwater Drainage System
  - Two-Dimensional Model Boundary
  - Location of Observed Flood Behaviour (FM\_2021.1)
  - Study Catchments

WYALONG AND WEST WYALONG  
FLOOD STUDY

Figure 4.5  
(Sheet 2 of 5)

TUFLOW MODEL RESULTS  
23 MARCH 2021 STORM EVENT



Indicative Depth of Inundation (m)

Blue	0.10 to 0.20
Dark Blue	0.20 to 0.30
Green	0.30 to 0.40
Light Green	0.40 to 0.50
Yellow	0.50 to 0.60
Orange	0.60 to 0.70
Red-Orange	0.70 to 0.80
Red	0.80 to 0.90
Dark Red	0.90 to 1.00
Red	> 1.00

MAIN DRAIN CATCHMENT

WYALONG NORTH MAJOR OVERLAND FLOW PATH CATCHMENT

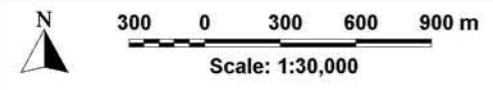
INSET

REFER INSET

REFER SHEET 3

REFER SHEET 2

REFER SHEET 5



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 Flood depths not shown within the footprint of existing buildings.

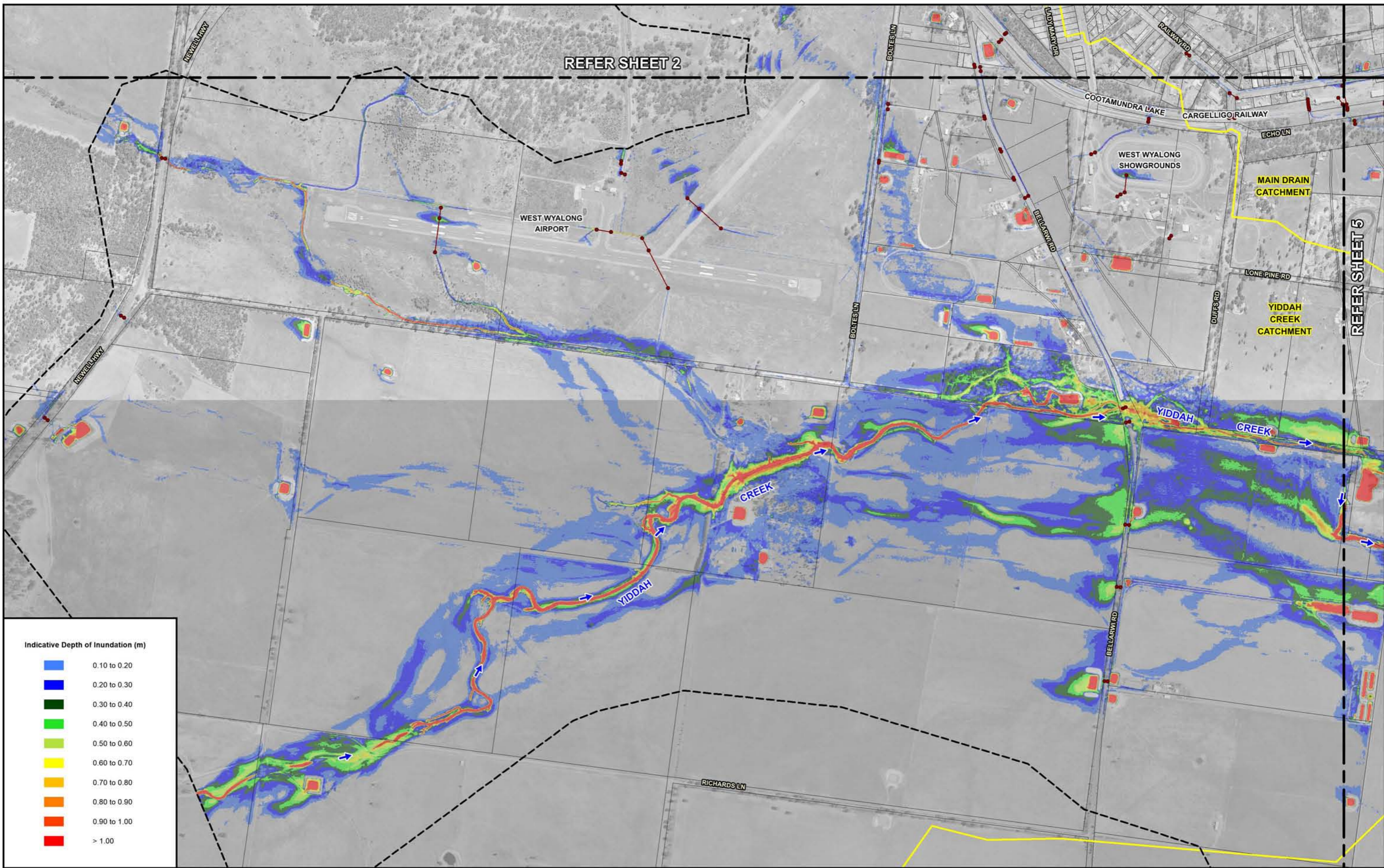
- LEGEND
- Modelled Stormwater Drainage System
  - Two-Dimensional Model Boundary
  - Location of Observed Flood Behaviour (FM\_2021.1)
  - Study Catchments

WYALONG AND WEST WYALONG FLOOD STUDY

Figure 4.5 (Sheet 3 of 5)

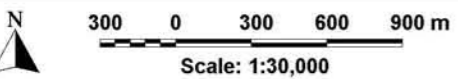
TUFLOW MODEL RESULTS  
 23 MARCH 2021 STORM EVENT





Indicative Depth of Inundation (m)

Light Blue	0.10 to 0.20
Dark Blue	0.20 to 0.30
Green	0.30 to 0.40
Light Green	0.40 to 0.50
Yellow-Green	0.50 to 0.60
Yellow	0.60 to 0.70
Orange	0.70 to 0.80
Red-Orange	0.80 to 0.90
Red	0.90 to 1.00
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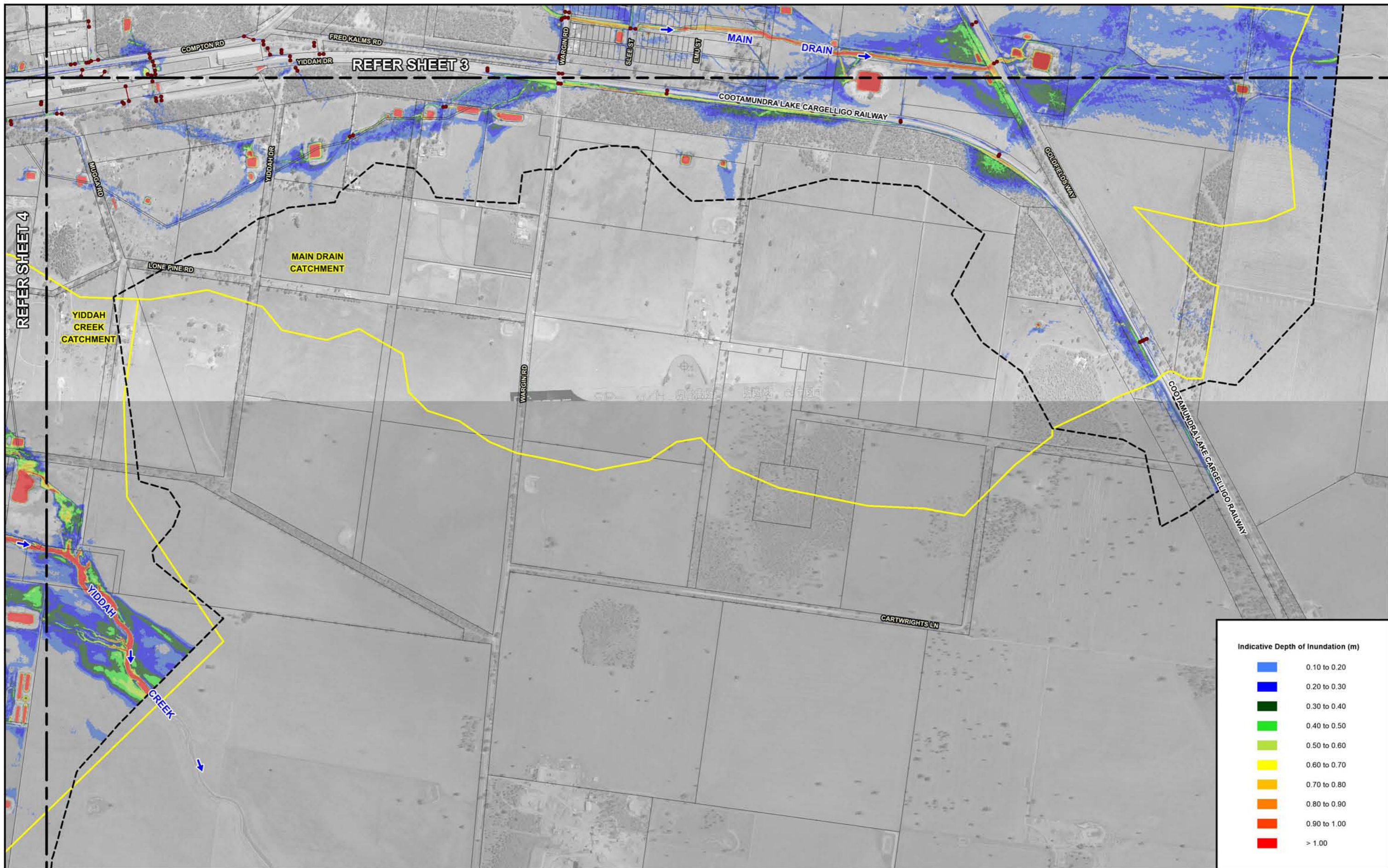
LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Study Catchments

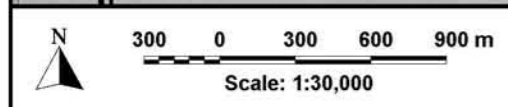
WYALONG AND WEST WYALONG FLOOD STUDY

Figure 4.5  
 (Sheet 4 of 5)

TUFLOW MODEL RESULTS  
 23 MARCH 2021 STORM EVENT



Indicative Depth of Inundation (m)	
Light Blue	0.10 to 0.20
Blue	0.20 to 0.30
Dark Blue	0.30 to 0.40
Green	0.40 to 0.50
Light Green	0.50 to 0.60
Yellow	0.60 to 0.70
Orange	0.70 to 0.80
Red-Orange	0.80 to 0.90
Red	0.90 to 1.00
Dark Red	> 1.00



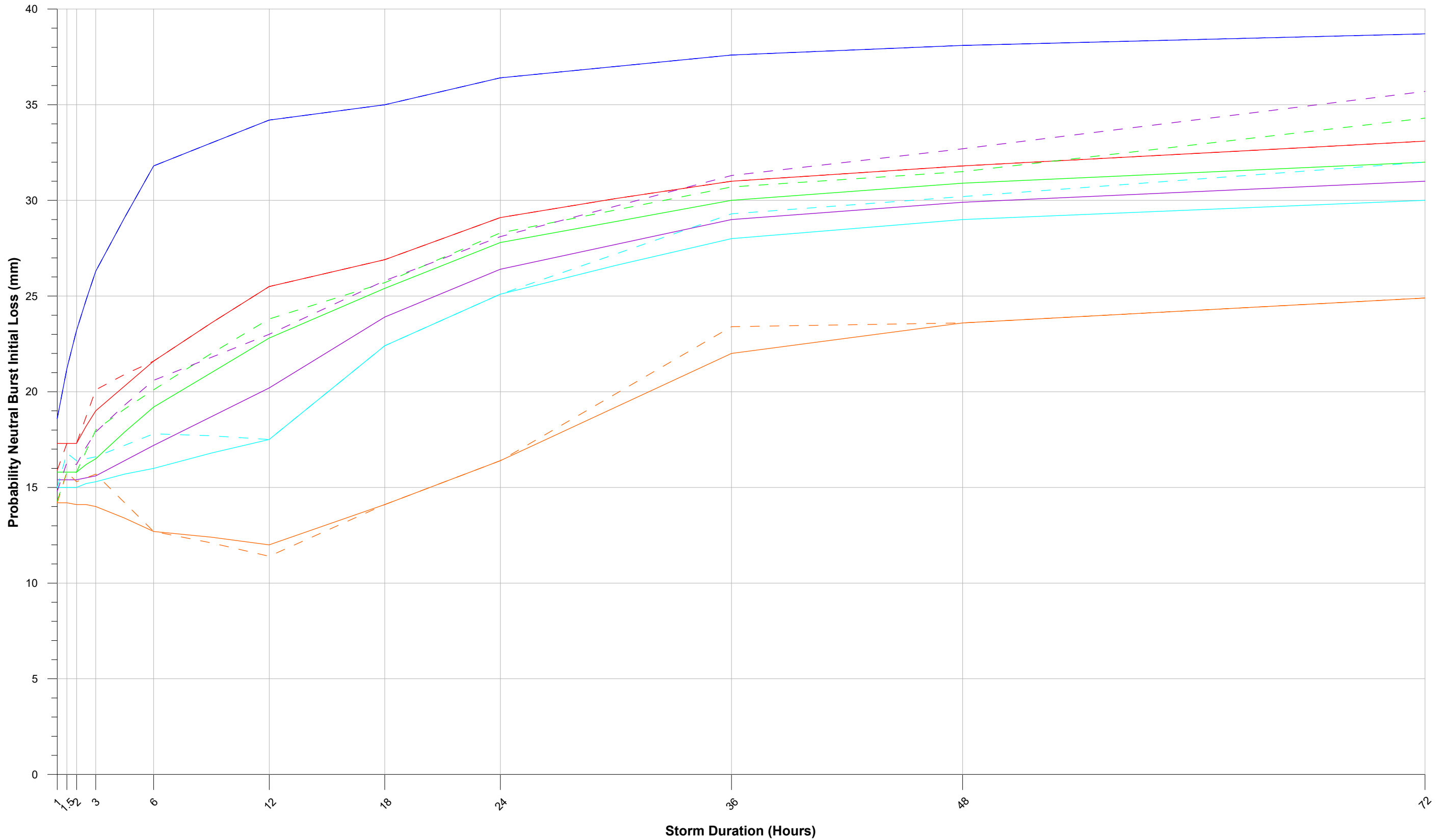
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- LEGEND**
- Modelled Stormwater Drainage System
  - Two-Dimensional Model Boundary
  - Study Catchments

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 4.5  
(Sheet 5 of 5)

TUFLOW MODEL RESULTS  
23 MARCH 2021 STORM EVENT



**LEGEND**

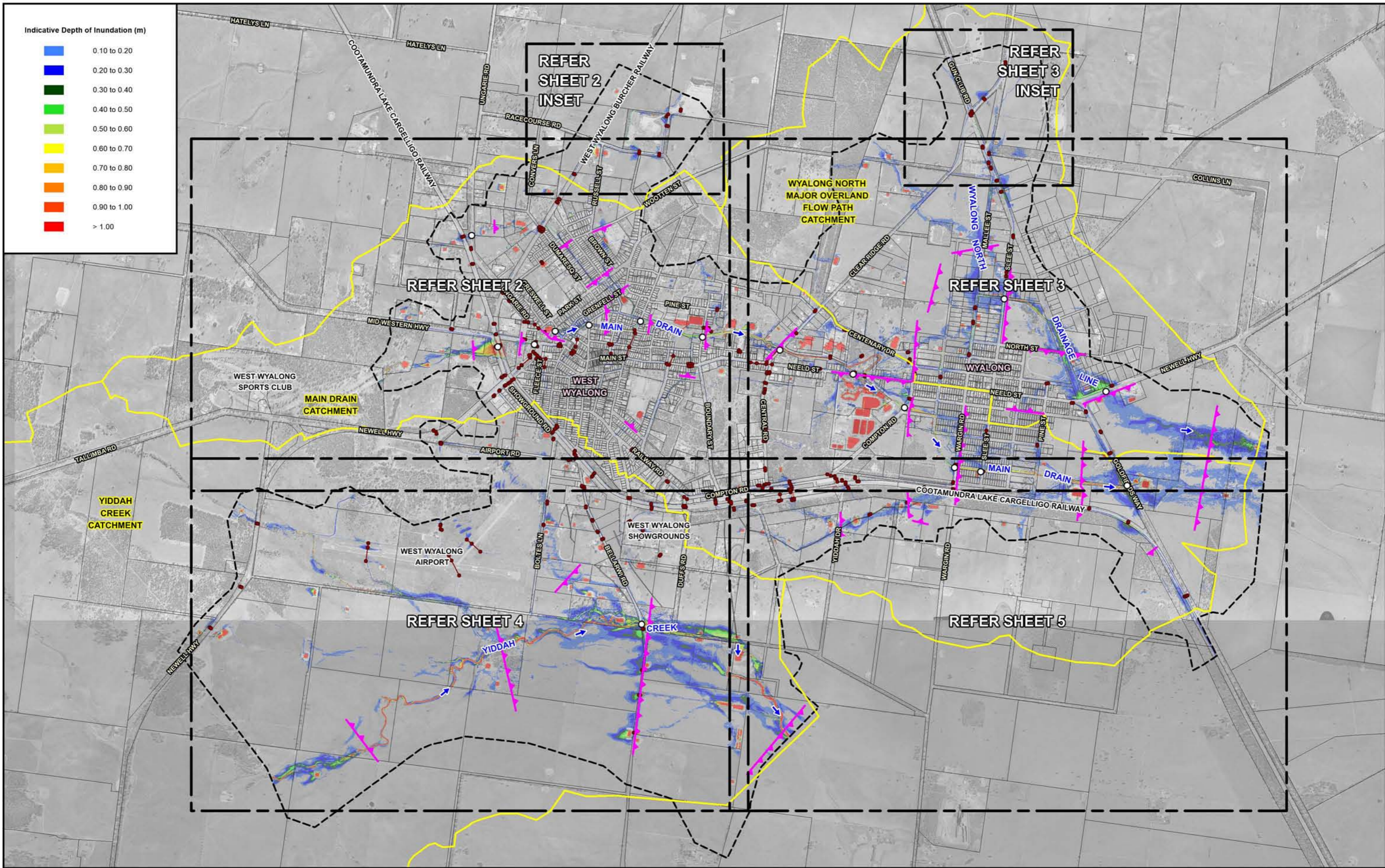
	Raw (Unadjusted) ARR Data Hub Loss Values	Adjusted ARR Data Hub Loss Values
50% AEP		
20% AEP		
10% AEP		
5% AEP		
2% AEP		
1% AEP		



**WYALONG AND WEST WYALONG FLOOD STUDY**

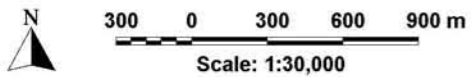
Figure 5.1

ADJUSTED PROBABILITY NEUTRAL BURST INITIAL LOSS VALUES



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



NOTE:

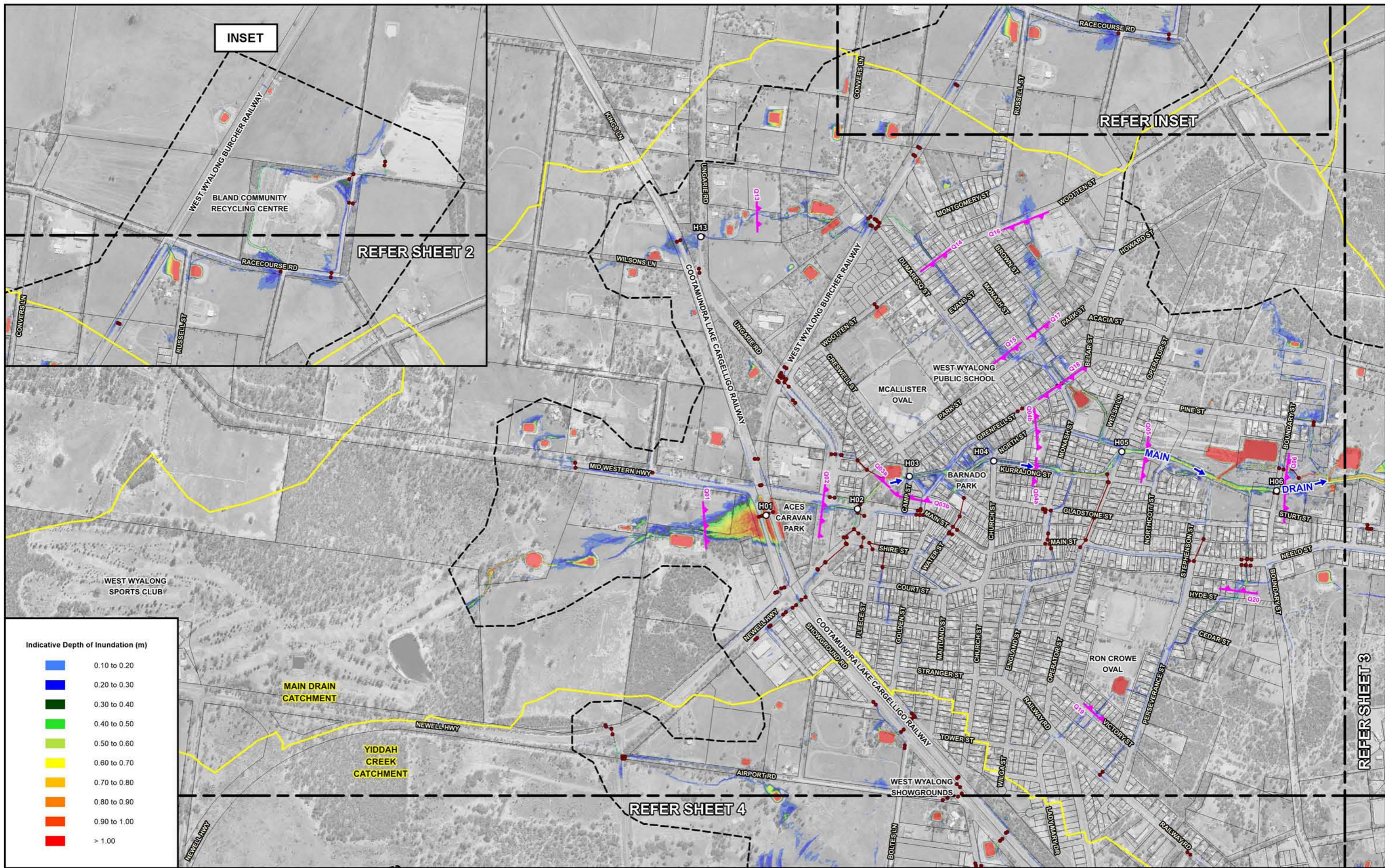
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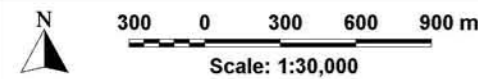
LEGEND

- Modelled Stormwater Drainage System
- - - Two-Dimensional Model Boundary
- Study Catchments
- ▲— Peak Flow Location
- Peak Flood Level Location



Indicative Depth of Inundation (m)

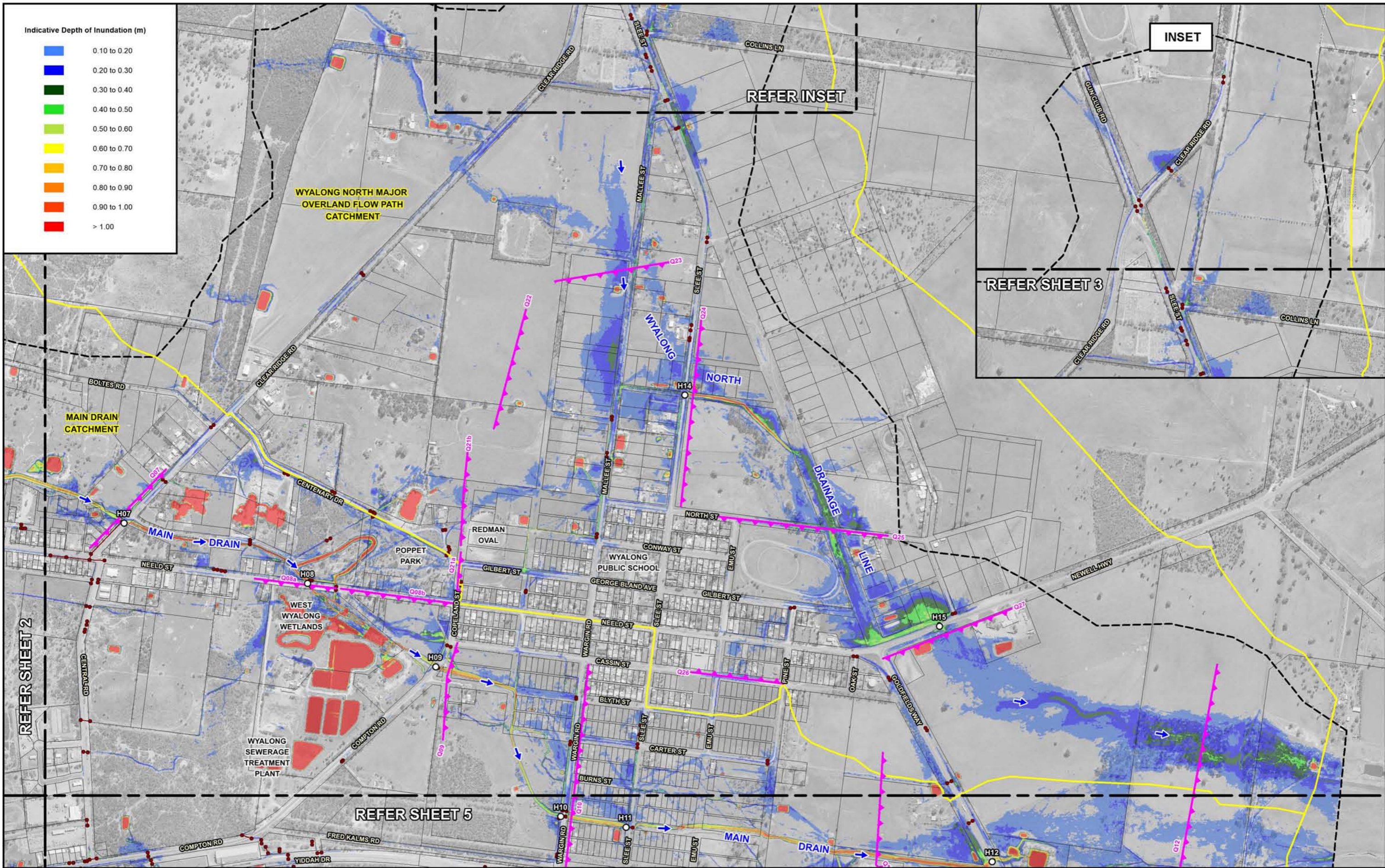
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Dark Blue	0.20 to 0.30
Green	0.30 to 0.40
Light Green	0.40 to 0.50
Yellow-Green	0.50 to 0.60
Yellow	0.60 to 0.70
Orange	0.70 to 0.80
Red-Orange	0.80 to 0.90
Red	0.90 to 1.00
Dark Red	> 1.00



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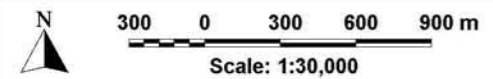
- LEGEND**
- Modelled Stormwater Drainage System
  - Two-Dimensional Model Boundary
  - Study Catchments
  - Q01 Peak Flow Location and Identifier
  - Peak Flood Level Location and Identifier

**WYALONG AND WEST WYALONG  
 FLOOD STUDY**



Indicative Depth of Inundation (m)

Blue	0.10 to 0.20
Dark Blue	0.20 to 0.30
Green	0.30 to 0.40
Light Green	0.40 to 0.50
Yellow-Green	0.50 to 0.60
Yellow	0.60 to 0.70
Orange	0.70 to 0.80
Red-Orange	0.80 to 0.90
Red	0.90 to 1.00
Dark Red	> 1.00



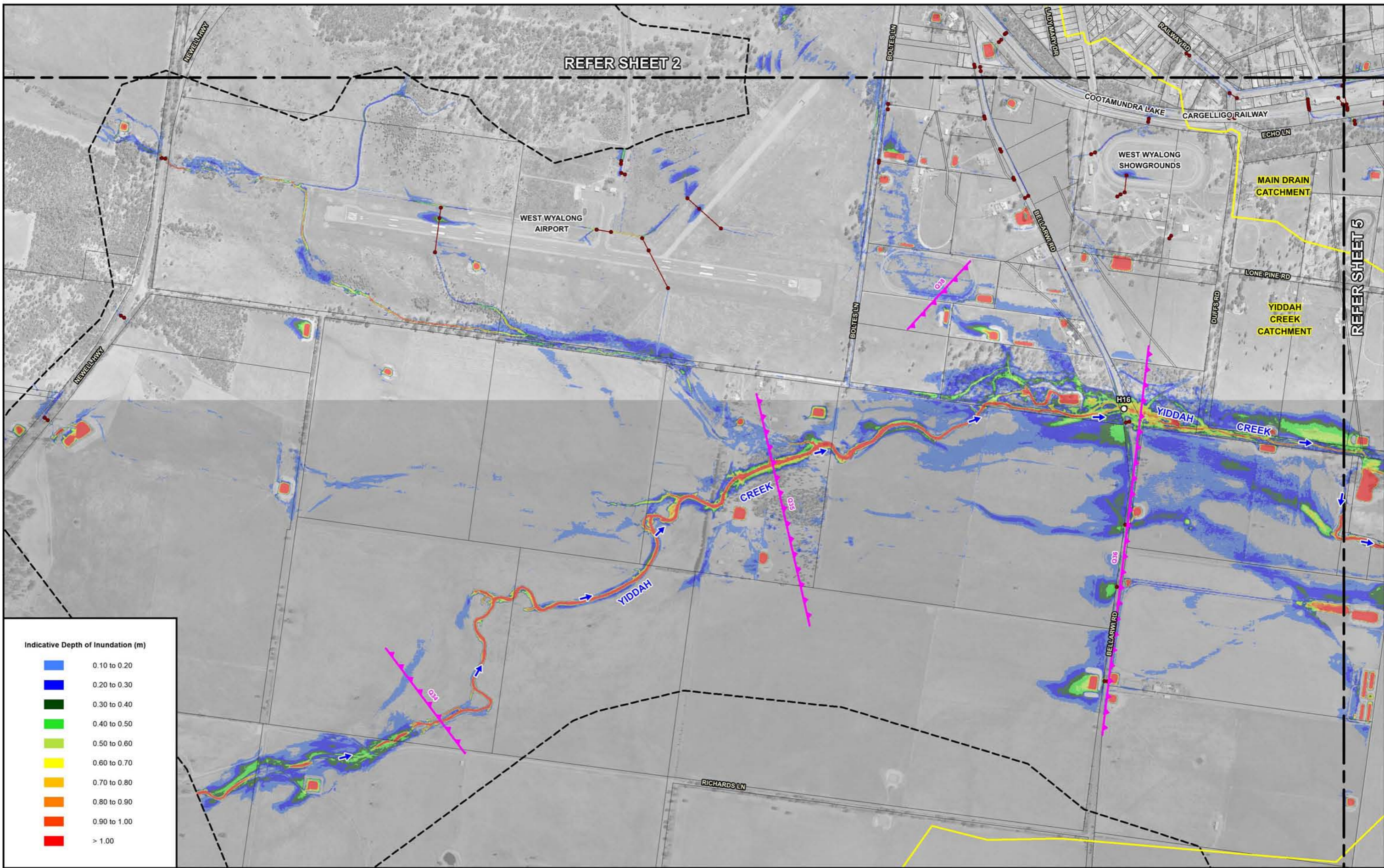
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- LEGEND**
- Modelled Stormwater Drainage System
  - Two-Dimensional Model Boundary
  - Study Catchments
  - Peak Flow Location and Identifier
  - Peak Flood Level Location and Identifier



**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 6.1  
 (Sheet 3 of 5)  
 TUFLOW MODEL RESULTS  
 20% AEP

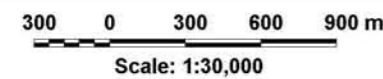


REFER SHEET 2

REFER SHEET 5

Indicative Depth of Inundation (m)

Blue	0.10 to 0.20
Dark Blue	0.20 to 0.30
Green	0.30 to 0.40
Light Green	0.40 to 0.50
Yellow-Green	0.50 to 0.60
Yellow	0.60 to 0.70
Orange	0.70 to 0.80
Red-Orange	0.80 to 0.90
Red	0.90 to 1.00
Dark Red	> 1.00



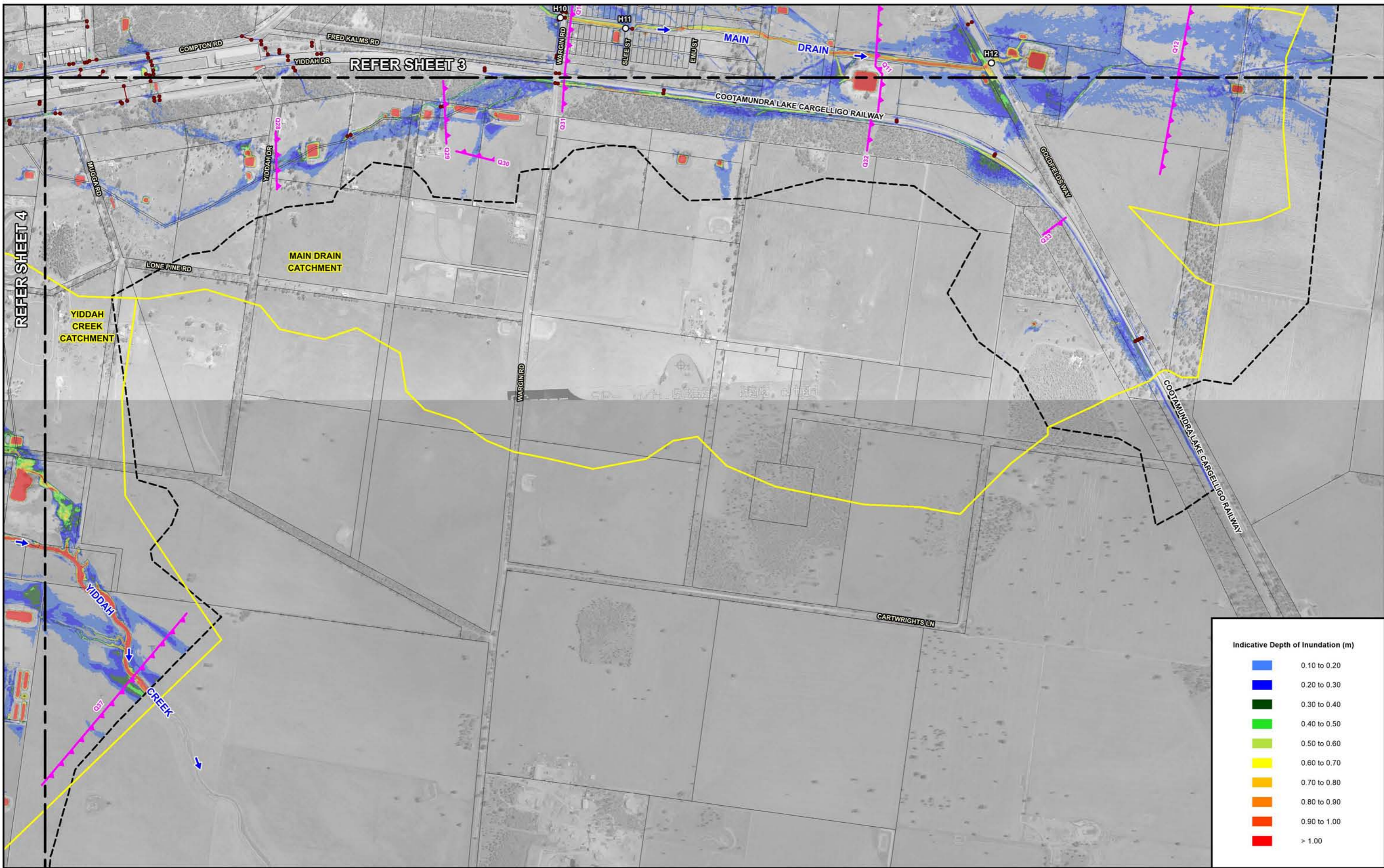
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 Flood depths not shown within the footprint of existing buildings.

- LEGEND**
- Modelled Stormwater Drainage System
  - Two-Dimensional Model Boundary
  - Study Catchments
  - ▲ Peak Flow Location and Identifier
  - Peak Flood Level Location and Identifier

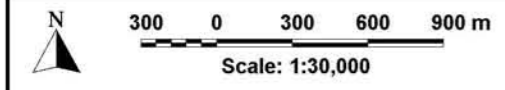
**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 6.1  
(Sheet 4 of 5)

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



**NOTE:**  
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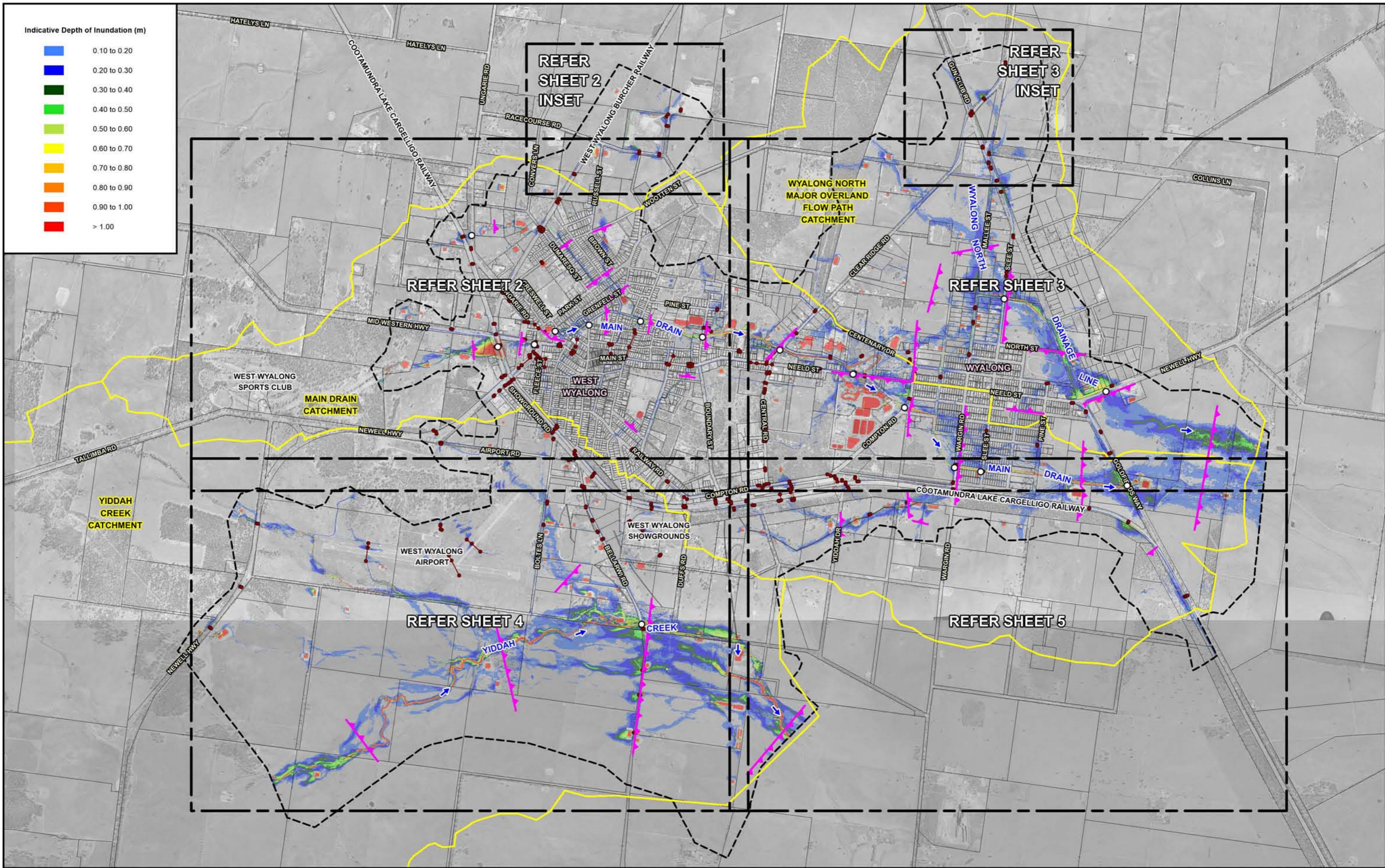
- LEGEND**
- Modelled Stormwater Drainage System
  - Two-Dimensional Model Boundary
  - Study Catchments
  - Peak Flow Location and Identifier
  - Peak Flood Level Location and Identifier

**WYALONG AND WEST WYALONG  
 FLOOD STUDY**

Figure 6.1  
 (Sheet 5 of 5)

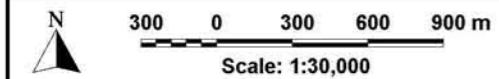
TUFLOW MODEL RESULTS  
 20% AEP





Indicative Depth of Inundation (m)

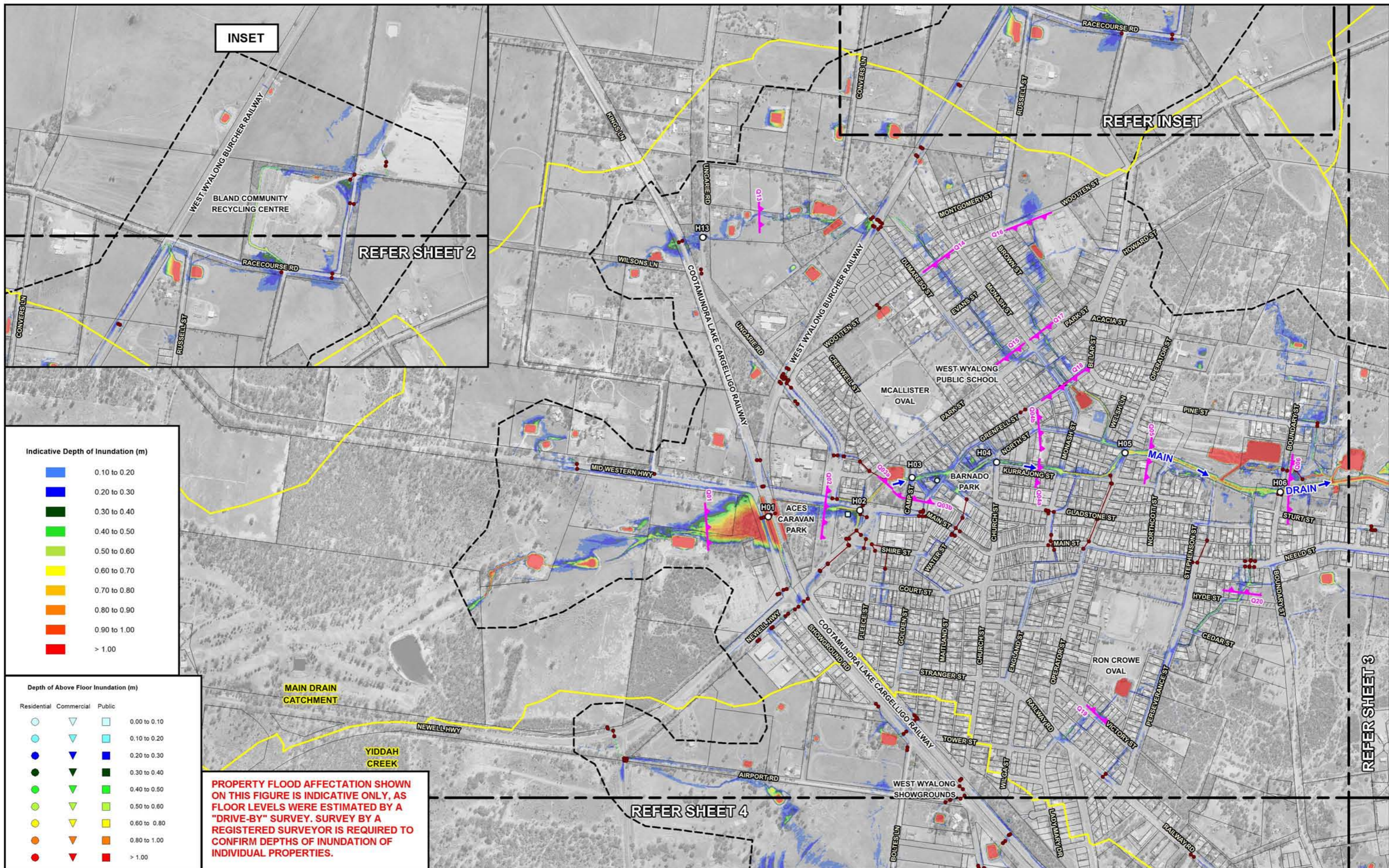
- 0.10 to 0.20
- 0.20 to 0.30
- 0.30 to 0.40
- 0.40 to 0.50
- 0.50 to 0.60
- 0.60 to 0.70
- 0.70 to 0.80
- 0.80 to 0.90
- 0.90 to 1.00
- > 1.00



**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) 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
  - Study Catchments
  - ▲— Peak Flow Location
  - Peak Flood Level Location

**WYALONG AND WEST WYALONG FLOOD STUDY**



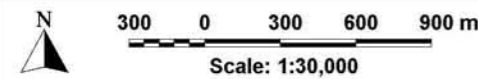
Indicative Depth of Inundation (m)

Blue	0.10 to 0.20
Dark Blue	0.20 to 0.30
Green	0.30 to 0.40
Light Green	0.40 to 0.50
Yellow-Green	0.50 to 0.60
Yellow	0.60 to 0.70
Orange	0.70 to 0.80
Red-Orange	0.80 to 0.90
Red	0.90 to 1.00
Dark Red	> 1.00

Depth of Above Floor Inundation (m)

Residential	Commercial	Public	Depth (m)
Light Blue Circle	Light Blue Triangle	Light Blue Square	0.00 to 0.10
Light Blue Circle	Light Blue Triangle	Light Blue Square	0.10 to 0.20
Blue Circle	Blue Triangle	Blue Square	0.20 to 0.30
Green Circle	Green Triangle	Green Square	0.30 to 0.40
Light Green Circle	Light Green Triangle	Light Green Square	0.40 to 0.50
Yellow-Green Circle	Yellow-Green Triangle	Yellow-Green Square	0.50 to 0.60
Yellow Circle	Yellow Triangle	Yellow Square	0.60 to 0.80
Orange Circle	Orange Triangle	Orange Square	0.80 to 1.00
Red Circle	Red Triangle	Red Square	> 1.00

**PROPERTY FLOOD AFFECTATION SHOWN ON THIS FIGURE IS INDICATIVE ONLY, AS FLOOR LEVELS WERE ESTIMATED BY A "DRIVE-BY" SURVEY. SURVEY BY A REGISTERED SURVEYOR IS REQUIRED TO CONFIRM DEPTHS OF INUNDATION OF INDIVIDUAL PROPERTIES.**

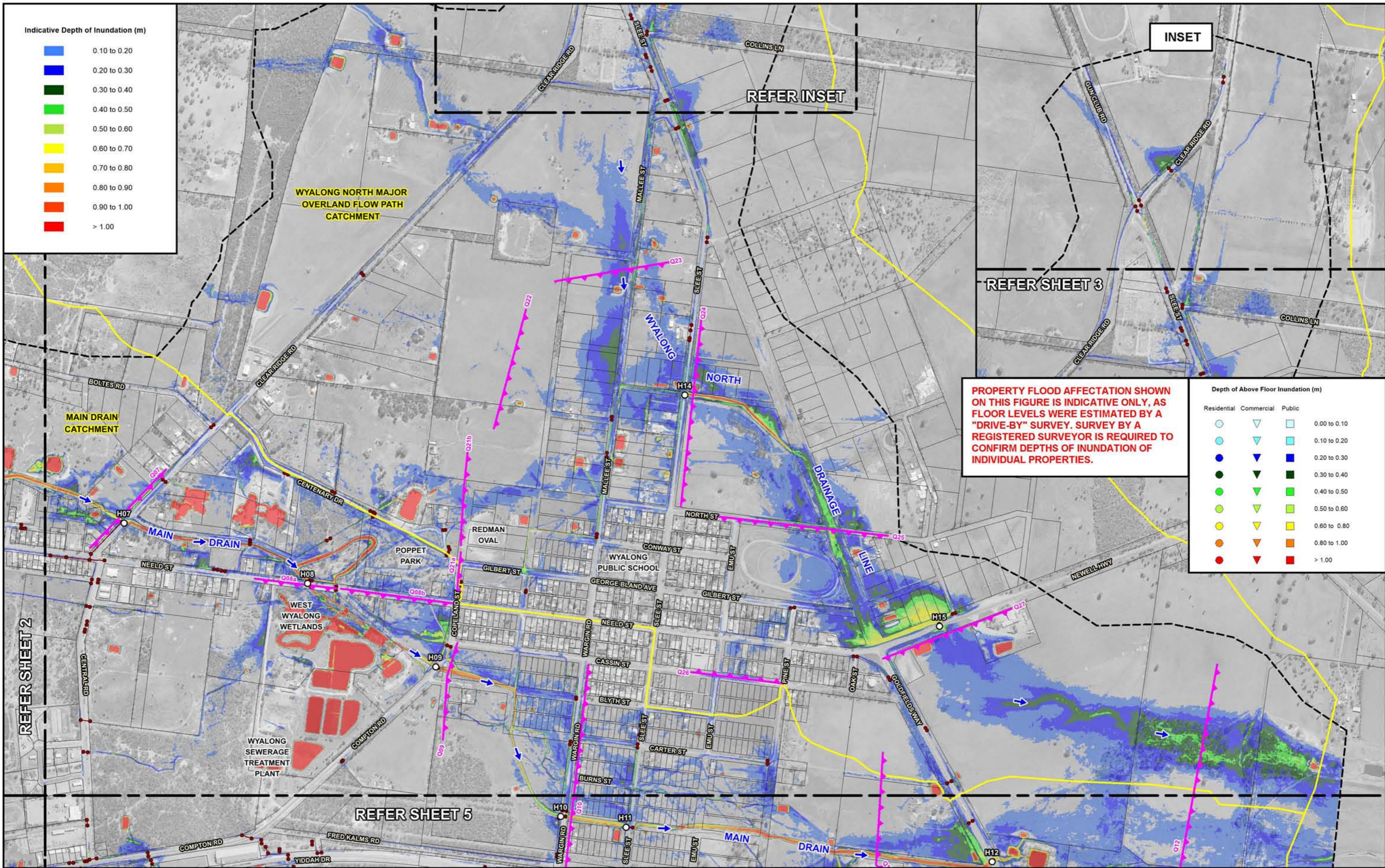


**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.  
 Flood depths are therefore approximate only and 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
  - Study Catchments
  - Peak Flow Location and Identifier (Q01)
  - Peak Flood Level Location and Identifier (H01)

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 6.2 (Sheet 2 of 5)



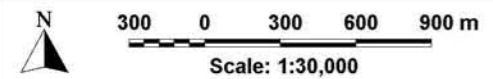
Indicative Depth of Inundation (m)

Blue	0.10 to 0.20
Dark Blue	0.20 to 0.30
Green	0.30 to 0.40
Light Green	0.40 to 0.50
Yellow	0.50 to 0.60
Orange	0.60 to 0.70
Red-Orange	0.70 to 0.80
Red	0.80 to 0.90
Dark Red	0.90 to 1.00
Red	> 1.00

PROPERTY FLOOD AFFECTATION SHOWN ON THIS FIGURE IS INDICATIVE ONLY, AS FLOOR LEVELS WERE ESTIMATED BY A "DRIVE-BY" SURVEY. SURVEY BY A REGISTERED SURVEYOR IS REQUIRED TO CONFIRM DEPTHS OF INUNDATION OF INDIVIDUAL PROPERTIES.

Depth of Above Floor Inundation (m)

Residential	Commercial	Public	Depth (m)
Light Blue Circle	Light Blue Triangle	Light Blue Square	0.00 to 0.10
Blue Circle	Blue Triangle	Blue Square	0.10 to 0.20
Dark Blue Circle	Dark Blue Triangle	Dark Blue Square	0.20 to 0.30
Green Circle	Green Triangle	Green Square	0.30 to 0.40
Light Green Circle	Light Green Triangle	Light Green Square	0.40 to 0.50
Yellow Circle	Yellow Triangle	Yellow Square	0.50 to 0.60
Orange Circle	Orange Triangle	Orange Square	0.60 to 0.80
Red Circle	Red Triangle	Red Square	0.80 to 1.00
Dark Red Circle	Dark Red Triangle	Dark Red Square	> 1.00



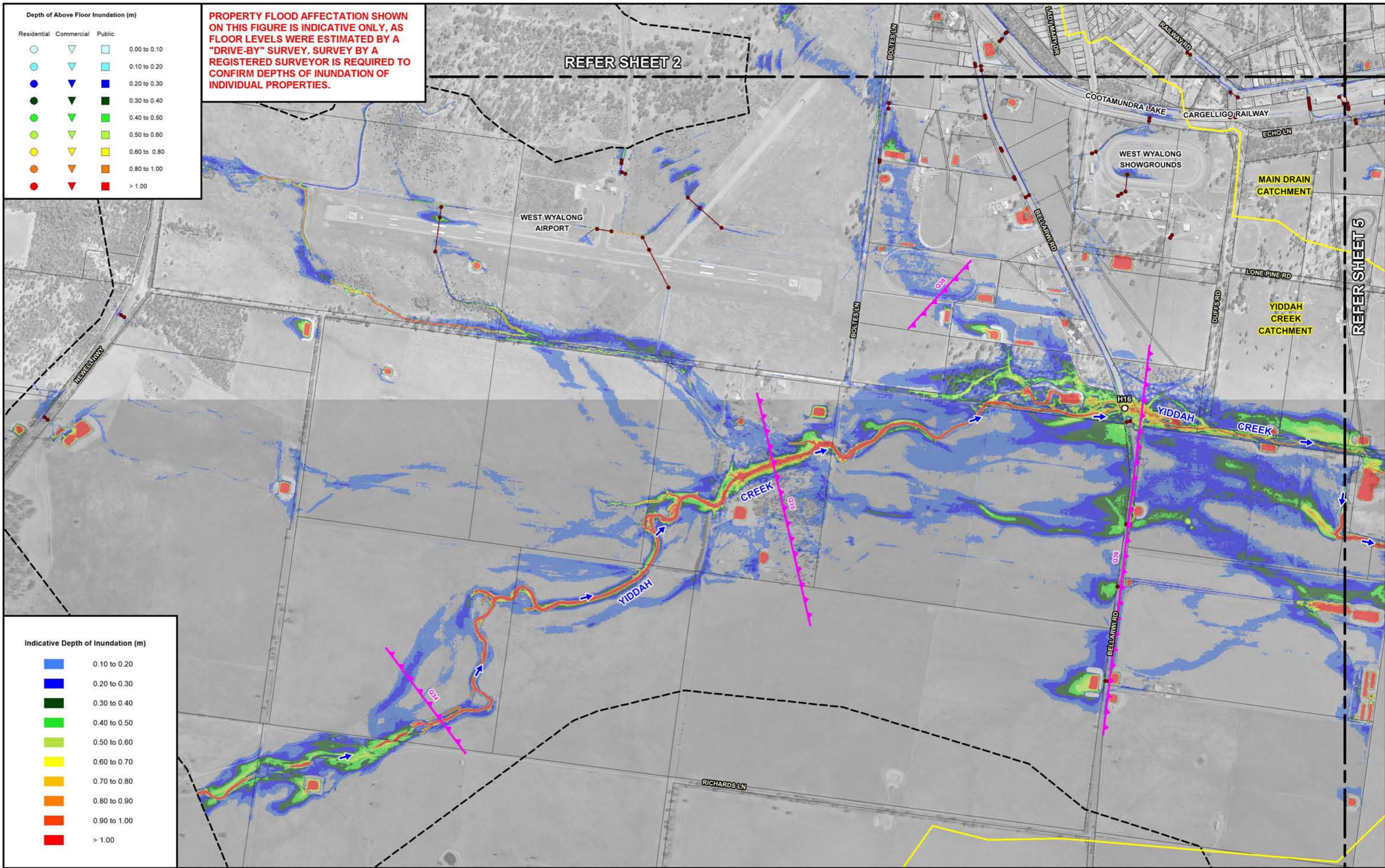
NOTE:  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.  
 Flood depths are therefore approximate only and require 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
  - Study Catchments
  - Peak Flow Location and Identifier (Q22)
  - Peak Flood Level Location and Identifier (H10)

**Lyll & Associates**

WYALONG AND WEST WYALONG FLOOD STUDY

Figure 6.2 (Sheet 3 of 5)  
 TUFLOW MODEL RESULTS  
 10% AEP



Scale: 1:30,000

300 0 300 600 900 m

**Lyll & Associates**

**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) 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.

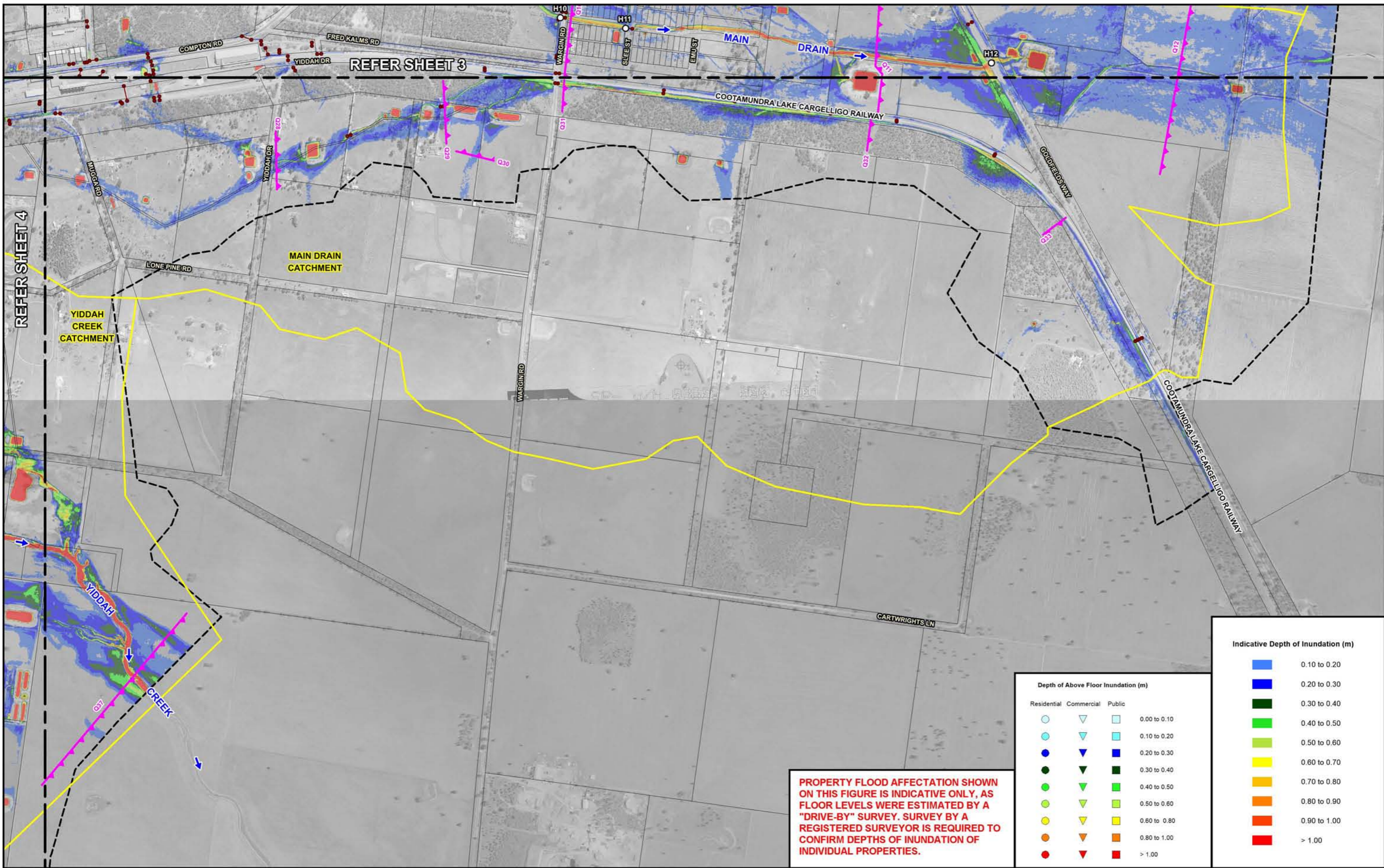
**LEGEND**

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Study Catchments
- Peak Flow Location and Identifier (Q36)
- Peak Flood Level Location and Identifier (H16)

**WYALONG AND WEST WYALONG FLOOD STUDY**

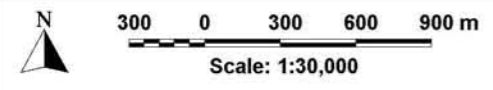
Figure 6.2  
 (Sheet 4 of 5)

TUFLOW MODEL RESULTS  
 10% AEP



**PROPERTY FLOOD AFFECTATION SHOWN ON THIS FIGURE IS INDICATIVE ONLY, AS FLOOR LEVELS WERE ESTIMATED BY A "DRIVE-BY" SURVEY. SURVEY BY A REGISTERED SURVEYOR IS REQUIRED TO CONFIRM DEPTHS OF INUNDATION OF INDIVIDUAL PROPERTIES.**

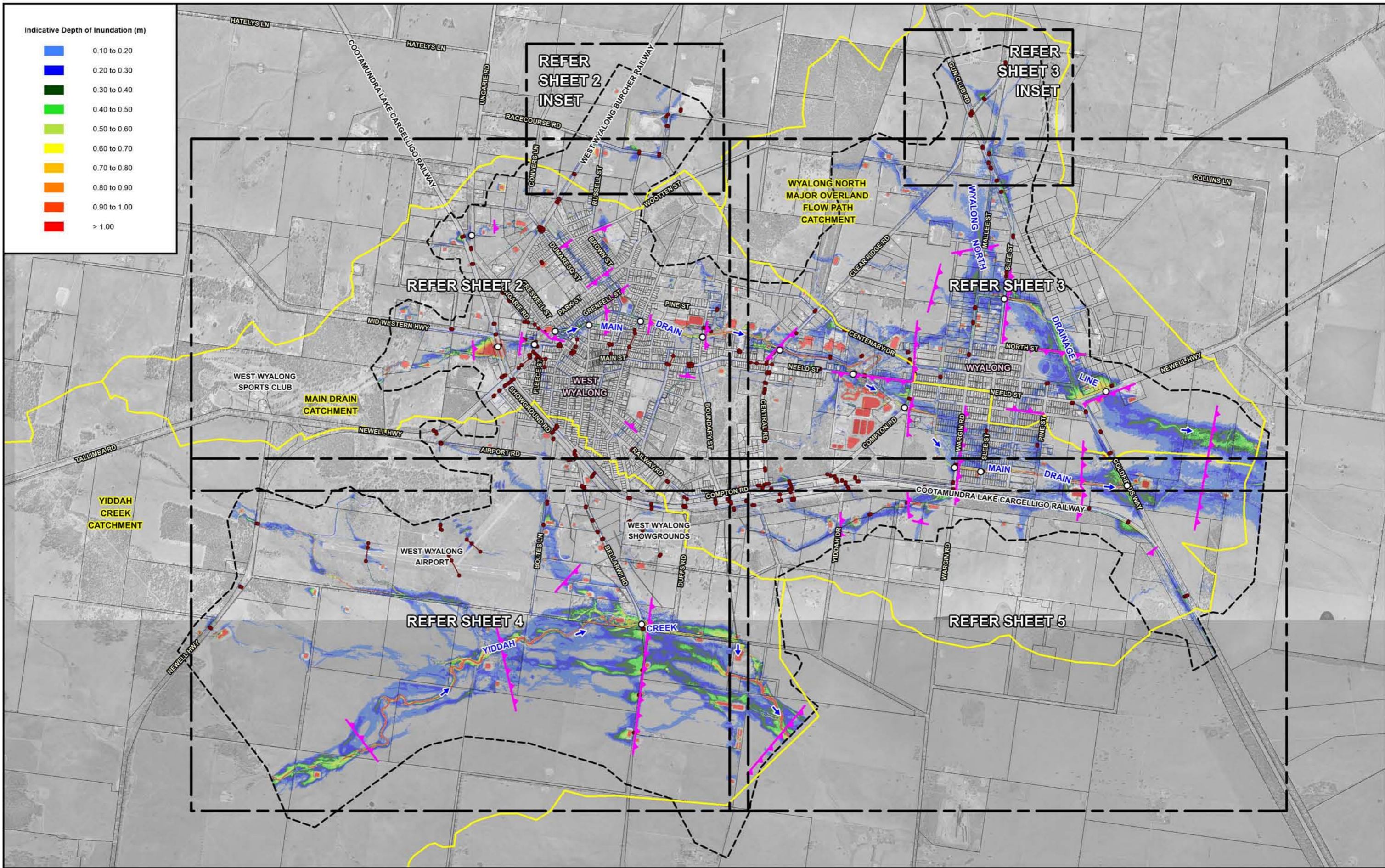
Depth of Above Floor Inundation (m)			Indicative Depth of Inundation (m)
Residential	Commercial	Public	
○	▽	□	0.10 to 0.20
○	▽	□	0.20 to 0.30
○	▽	□	0.30 to 0.40
○	▽	□	0.40 to 0.50
○	▽	□	0.50 to 0.60
○	▽	□	0.60 to 0.70
○	▽	□	0.70 to 0.80
○	▽	□	0.80 to 0.90
○	▽	□	0.90 to 1.00
○	▽	□	> 1.00



**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) 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.

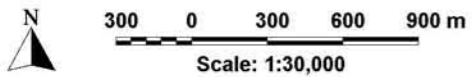
- LEGEND**
- Modelled Stormwater Drainage System
  - - - Two-Dimensional Model Boundary
  - Study Catchments
  - Q37 Peak Flow Location and Identifier
  - H12 Peak Flood Level Location and Identifier

**WYALONG AND WEST WYALONG FLOOD STUDY**



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



NOTE:

The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.

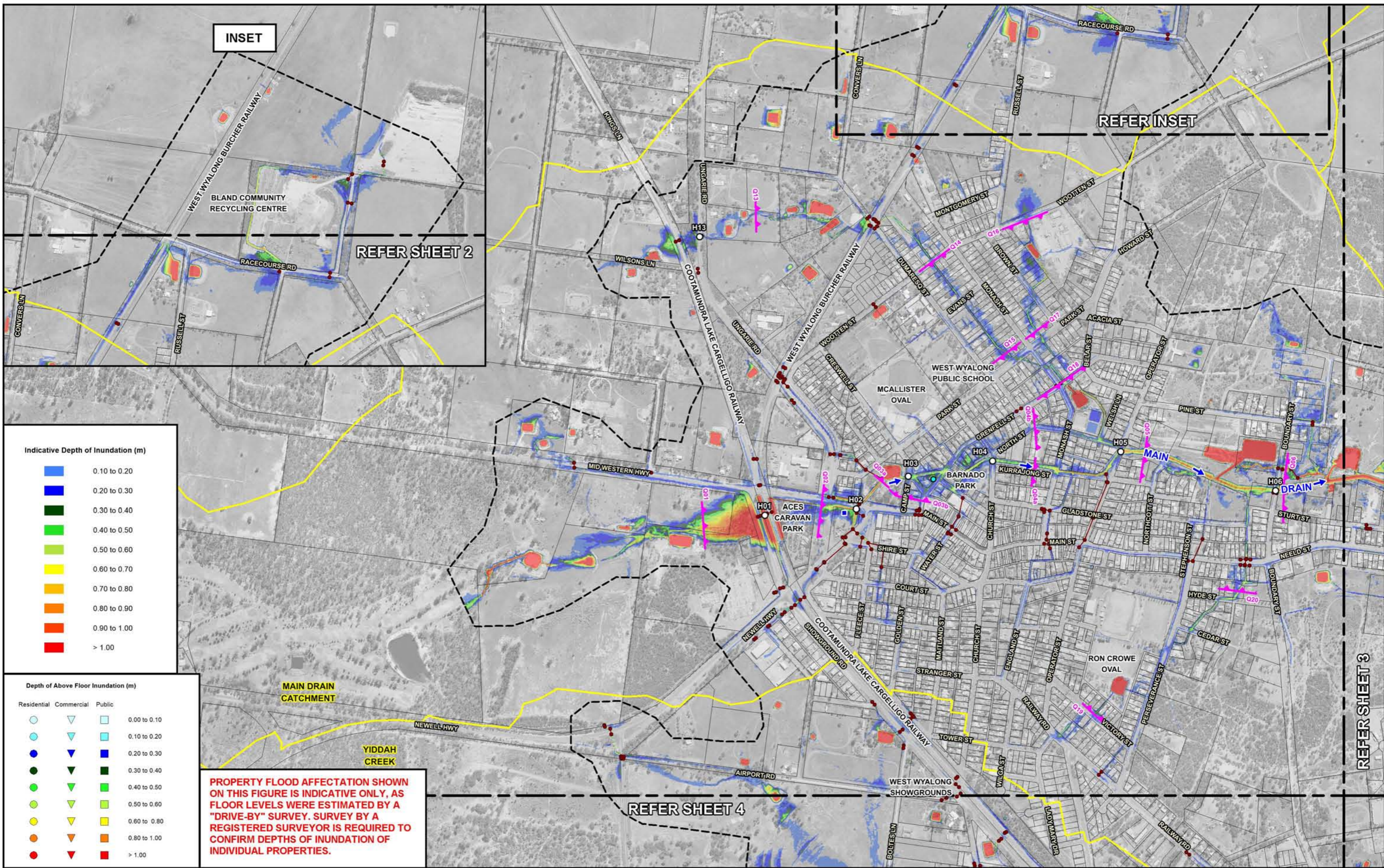
Flood depths are therefore approximate only and require interpretation by a suitably qualified engineer to determine flooding behaviour in individual allotments. Any assessment of flooding in individual allotments may also require a site survey.

Flood depths not shown within the footprint of existing buildings.

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary

LEGEND

- Study Catchments
- Peak Flow Location
- Peak Flood Level Location



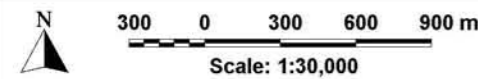
Indicative Depth of Inundation (m)

Blue	0.10 to 0.20
Dark Blue	0.20 to 0.30
Green	0.30 to 0.40
Light Green	0.40 to 0.50
Yellow-Green	0.50 to 0.60
Yellow	0.60 to 0.70
Orange	0.70 to 0.80
Red-Orange	0.80 to 0.90
Red	0.90 to 1.00
Dark Red	> 1.00

Depth of Above Floor Inundation (m)

Residential	Commercial	Public	Depth (m)
Light Blue Circle	Light Blue Triangle	Light Blue Square	0.00 to 0.10
Light Blue Circle	Light Blue Triangle	Light Blue Square	0.10 to 0.20
Blue Circle	Blue Triangle	Blue Square	0.20 to 0.30
Green Circle	Green Triangle	Green Square	0.30 to 0.40
Light Green Circle	Light Green Triangle	Light Green Square	0.40 to 0.50
Yellow-Green Circle	Yellow-Green Triangle	Yellow-Green Square	0.50 to 0.60
Yellow Circle	Yellow Triangle	Yellow Square	0.60 to 0.80
Orange Circle	Orange Triangle	Orange Square	0.80 to 1.00
Red Circle	Red Triangle	Red Square	> 1.00

**PROPERTY FLOOD AFFECTATION SHOWN ON THIS FIGURE IS INDICATIVE ONLY, AS FLOOR LEVELS WERE ESTIMATED BY A "DRIVE-BY" SURVEY. SURVEY BY A REGISTERED SURVEYOR IS REQUIRED TO CONFIRM DEPTHS OF INUNDATION OF INDIVIDUAL PROPERTIES.**

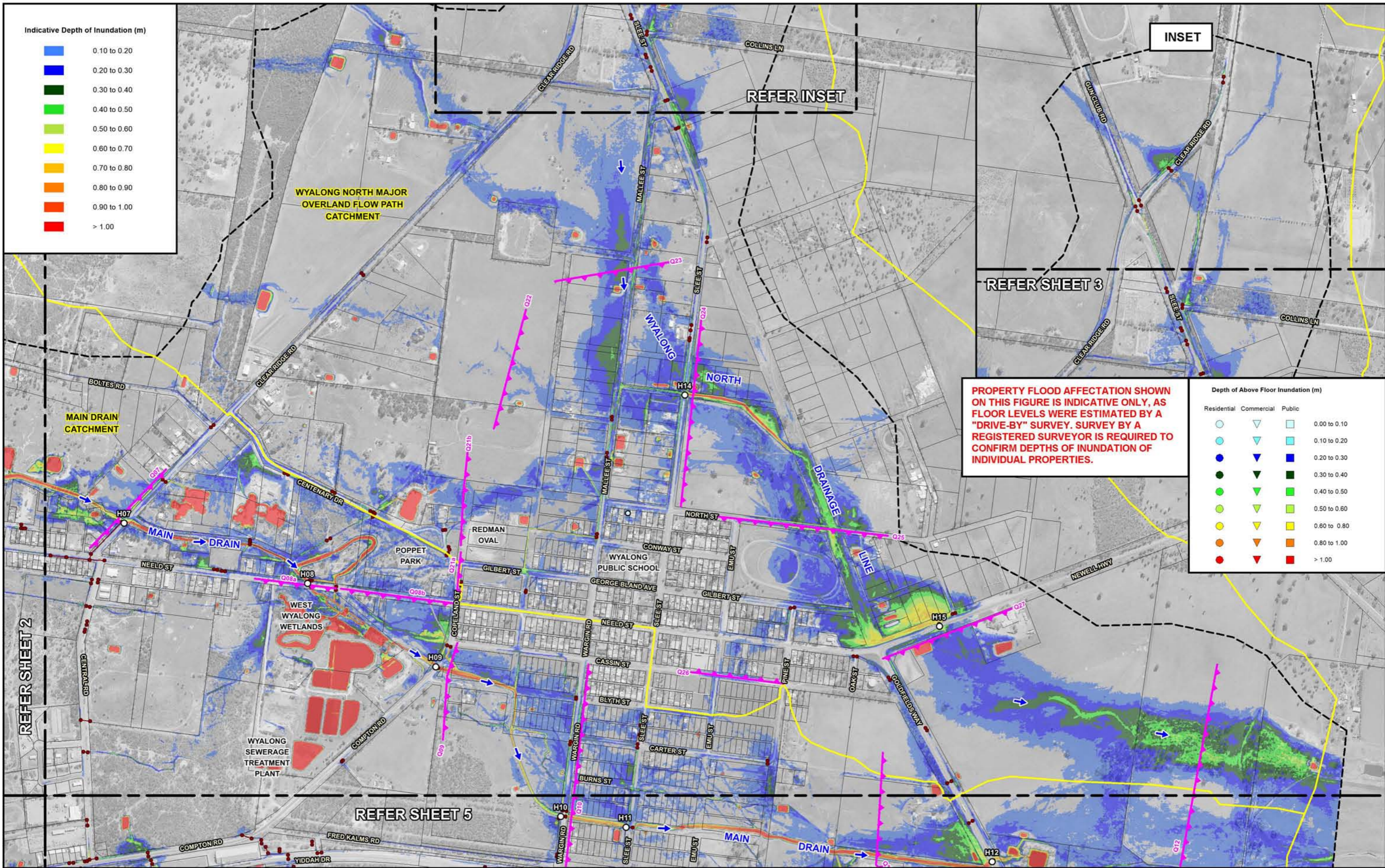


**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.  
 Flood depths are therefore approximate only and 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
  - Study Catchments
  - Peak Flow Location and Identifier (Q01)
  - Peak Flood Level Location and Identifier (H01)

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 6.3 (Sheet 2 of 5)



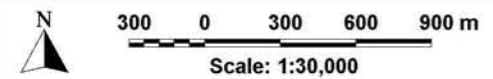
Indicative Depth of Inundation (m)

Light Blue	0.10 to 0.20
Blue	0.20 to 0.30
Dark Blue	0.30 to 0.40
Green	0.40 to 0.50
Light Green	0.50 to 0.60
Yellow	0.60 to 0.70
Orange	0.70 to 0.80
Red-Orange	0.80 to 0.90
Red	0.90 to 1.00
Dark Red	> 1.00

PROPERTY FLOOD AFFECTATION SHOWN ON THIS FIGURE IS INDICATIVE ONLY, AS FLOOR LEVELS WERE ESTIMATED BY A "DRIVE-BY" SURVEY. SURVEY BY A REGISTERED SURVEYOR IS REQUIRED TO CONFIRM DEPTHS OF INUNDATION OF INDIVIDUAL PROPERTIES.

Depth of Above Floor Inundation (m)

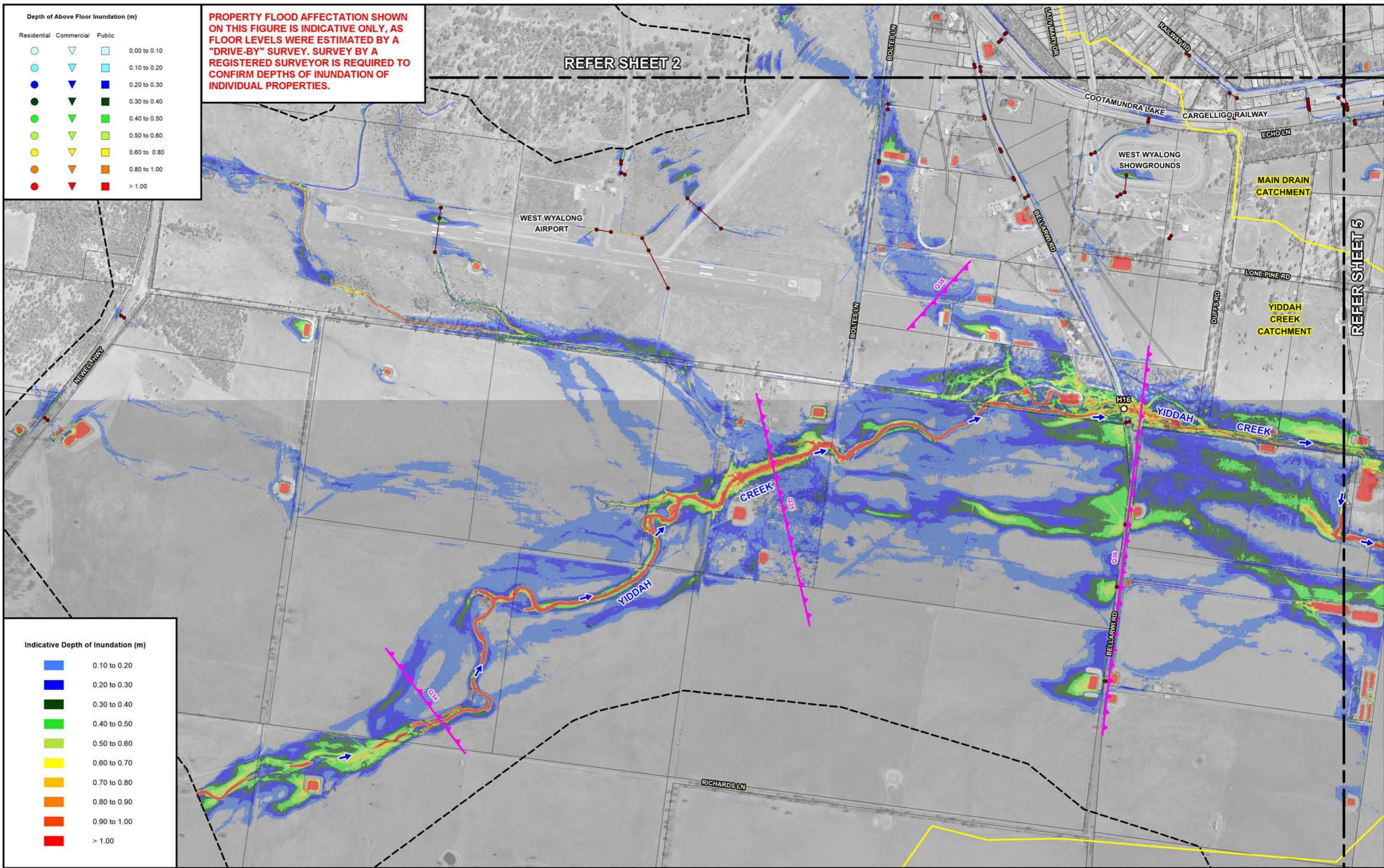
Residential	Commercial	Public	Depth (m)
Light Blue Circle	Light Blue Triangle	Light Blue Square	0.00 to 0.10
Blue Circle	Blue Triangle	Blue Square	0.10 to 0.20
Dark Blue Circle	Dark Blue Triangle	Dark Blue Square	0.20 to 0.30
Green Circle	Green Triangle	Green Square	0.30 to 0.40
Light Green Circle	Light Green Triangle	Light Green Square	0.40 to 0.50
Yellow Circle	Yellow Triangle	Yellow Square	0.50 to 0.60
Orange Circle	Orange Triangle	Orange Square	0.60 to 0.80
Red-Orange Circle	Red-Orange Triangle	Red-Orange Square	0.80 to 1.00
Red Circle	Red Triangle	Red Square	> 1.00



NOTE:  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) 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
  - Study Catchments
  - Peak Flow Location and Identifier (Q22)
  - Peak Flood Level Location and Identifier (H10)

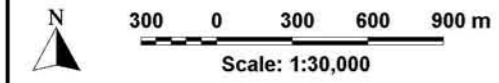




**PROPERTY FLOOD AFFECTATION SHOWN ON THIS FIGURE IS INDICATIVE ONLY, AS FLOOR LEVELS WERE ESTIMATED BY A "DRIVE-BY" SURVEY. SURVEY BY A REGISTERED SURVEYOR IS REQUIRED TO CONFIRM DEPTHS OF INUNDATION OF INDIVIDUAL PROPERTIES.**

Depth of Above Floor Inundation (m)			
Residential	Commercial	Public	
○	▽	□	0.00 to 0.10
●	▽	□	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 0.80
●	▽	□	0.80 to 1.00
●	▽	□	> 1.00

Indicative Depth of Inundation (m)	
Blue	0.10 to 0.20
Dark Blue	0.20 to 0.30
Green	0.30 to 0.40
Light Green	0.40 to 0.50
Yellow-Green	0.50 to 0.60
Yellow	0.60 to 0.70
Orange	0.70 to 0.80
Red-Orange	0.80 to 0.90
Red	0.90 to 1.00
Dark Red	> 1.00

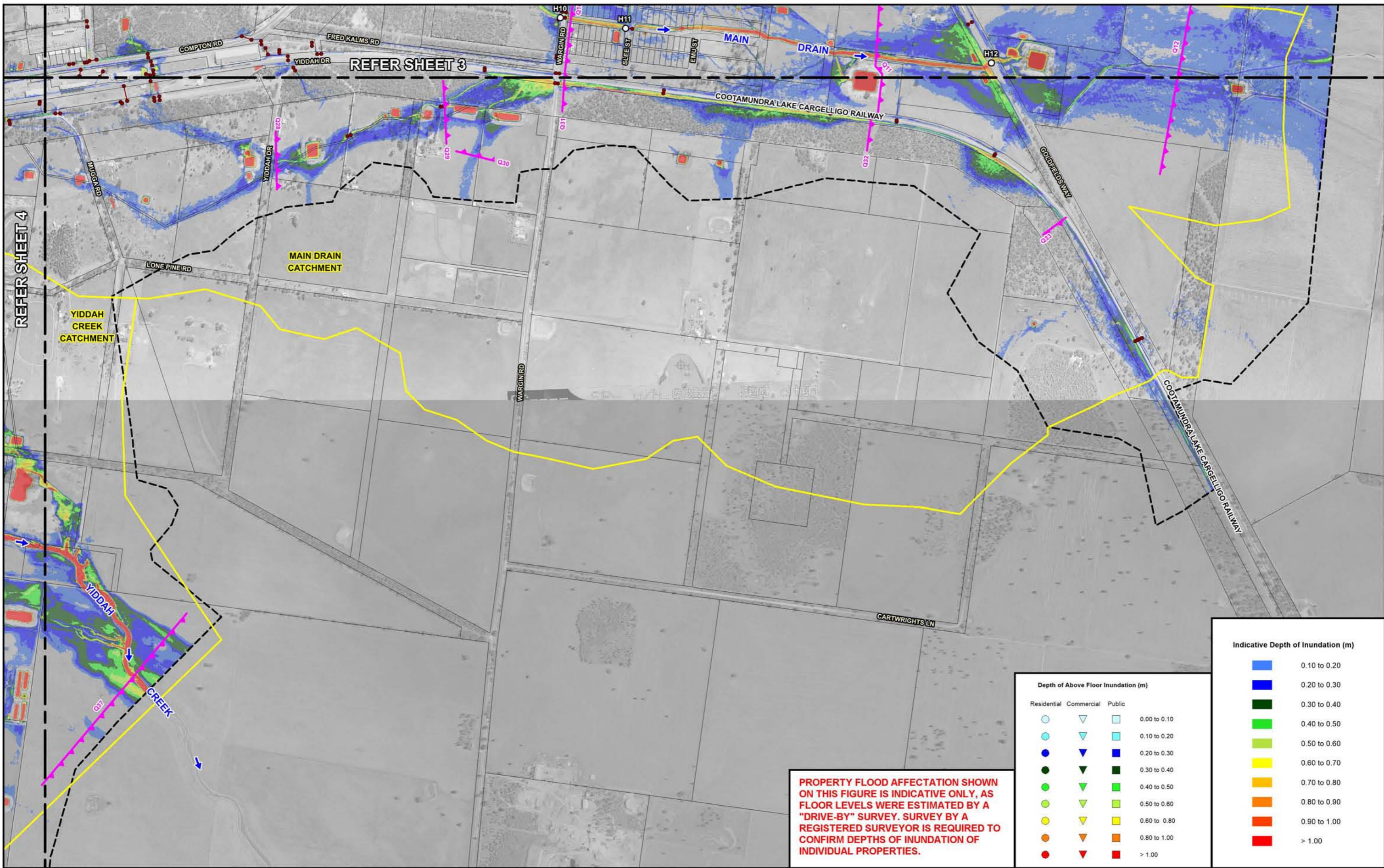


**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.  
 Flood depths are therefore approximate only and 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
  - Study Catchments
  - Q36 Peak Flow Location and Identifier
  - H16 Peak Flood Level Location and Identifier

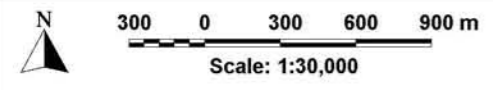
**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 6.3  
(Sheet 4 of 5)



**PROPERTY FLOOD AFFECTATION SHOWN ON THIS FIGURE IS INDICATIVE ONLY, AS FLOOR LEVELS WERE ESTIMATED BY A "DRIVE-BY" SURVEY. SURVEY BY A REGISTERED SURVEYOR IS REQUIRED TO CONFIRM DEPTHS OF INUNDATION OF INDIVIDUAL PROPERTIES.**

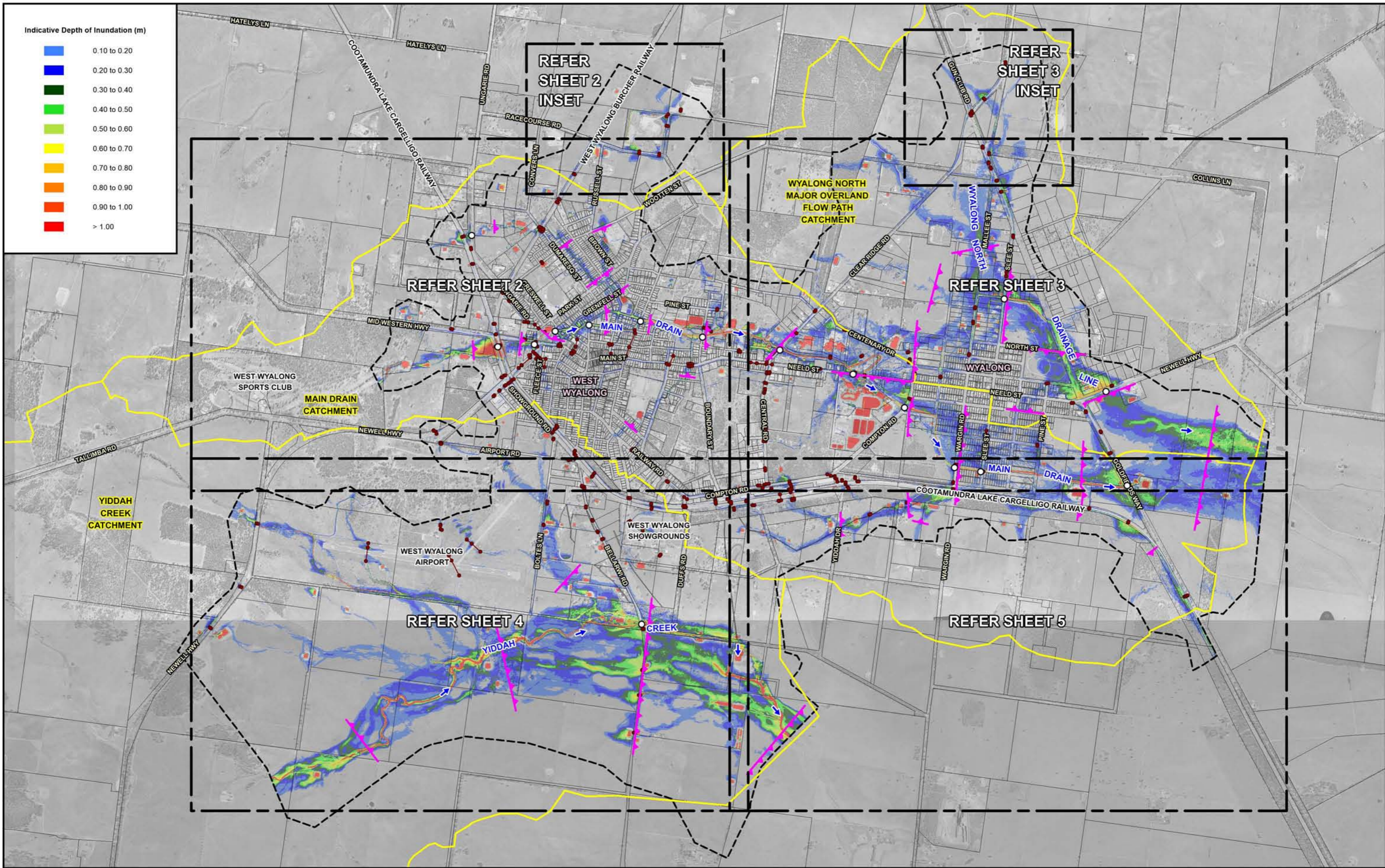
Depth of Above Floor Inundation (m)			Indicative Depth of Inundation (m)
Residential	Commercial	Public	
○	▽	□	0.10 to 0.20
●	▼	■	0.20 to 0.30
○	▽	□	0.30 to 0.40
●	▼	■	0.40 to 0.50
○	▽	□	0.50 to 0.60
●	▼	■	0.60 to 0.70
○	▽	□	0.70 to 0.80
●	▼	■	0.80 to 0.90
○	▽	□	0.90 to 1.00
●	▼	■	> 1.00

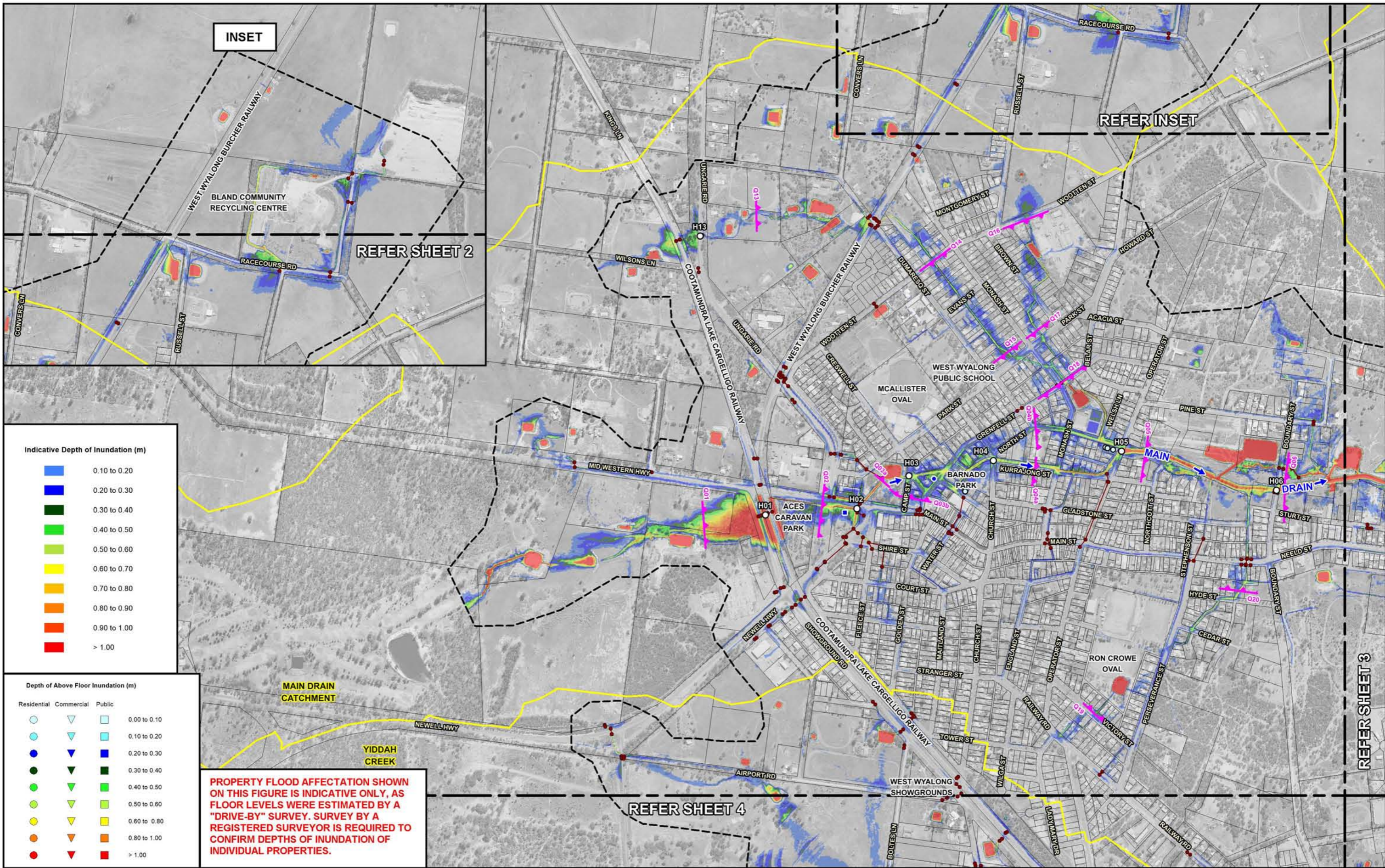


**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.  
 Flood depths are therefore approximate only and 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
  - Study Catchments
  - Q37 Peak Flow Location and Identifier
  - H12 Peak Flood Level Location and Identifier

**WYALONG AND WEST WYALONG FLOOD STUDY**

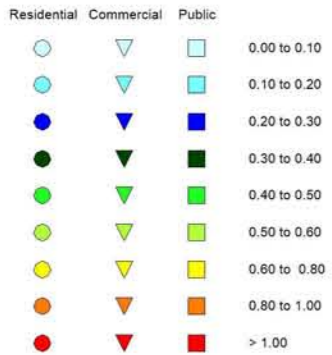




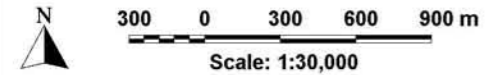
Indicative Depth of Inundation (m)



Depth of Above Floor Inundation (m)



**PROPERTY FLOOD AFFECTATION SHOWN ON THIS FIGURE IS INDICATIVE ONLY, AS FLOOR LEVELS WERE ESTIMATED BY A "DRIVE-BY" SURVEY. SURVEY BY A REGISTERED SURVEYOR IS REQUIRED TO CONFIRM DEPTHS OF INUNDATION OF INDIVIDUAL PROPERTIES.**



**NOTE:**  
The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) 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.

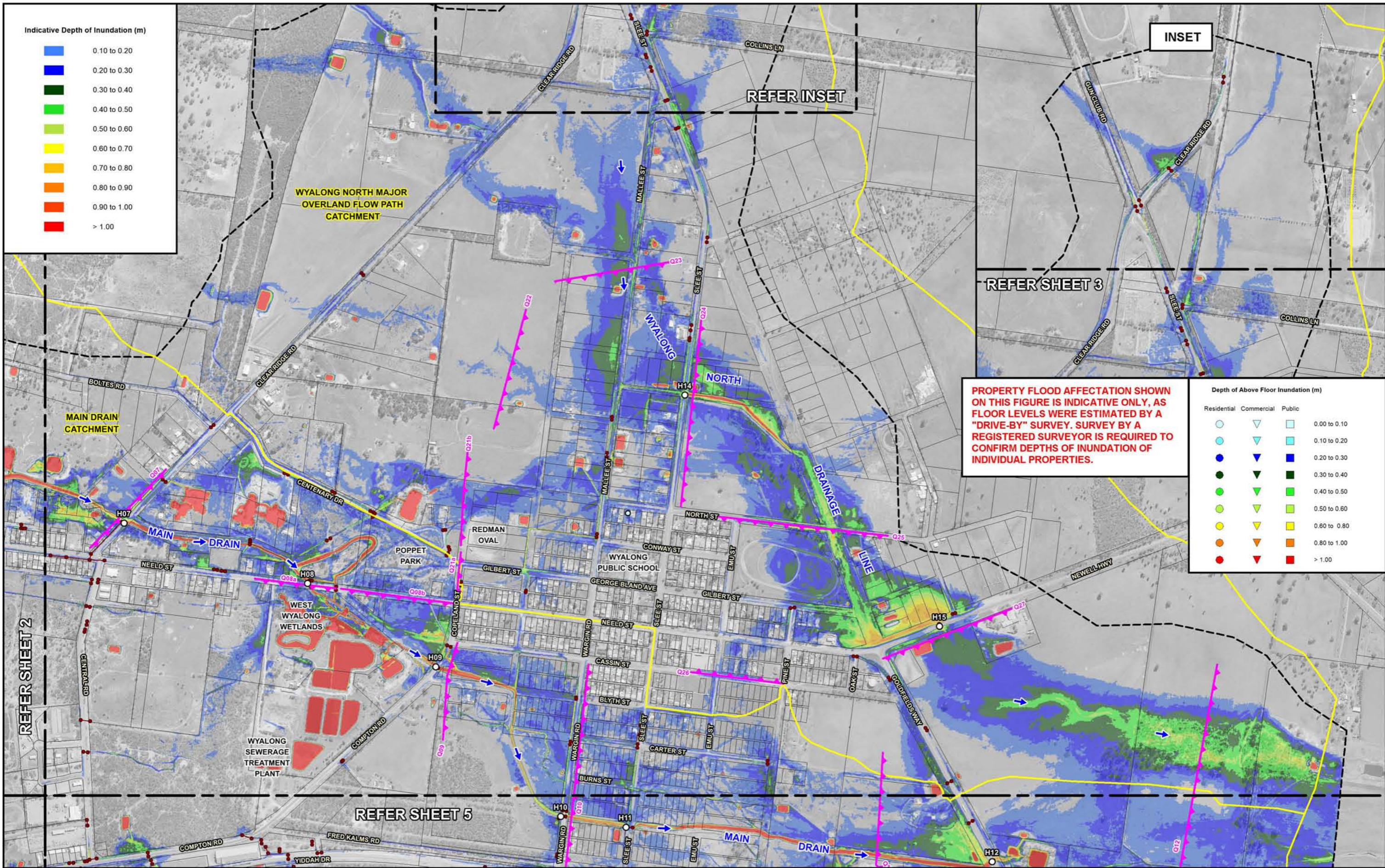
Flood depths not shown within the footprint of existing buildings.

- LEGEND**
- Modelled Stormwater Drainage System
  - Two-Dimensional Model Boundary
  - Study Catchments
  - Peak Flow Location and Identifier (Q01)
  - Peak Flood Level Location and Identifier (H01)

**WYALONG AND WEST WYALONG FLOOD STUDY**

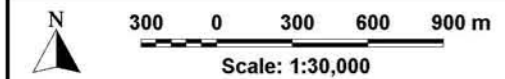
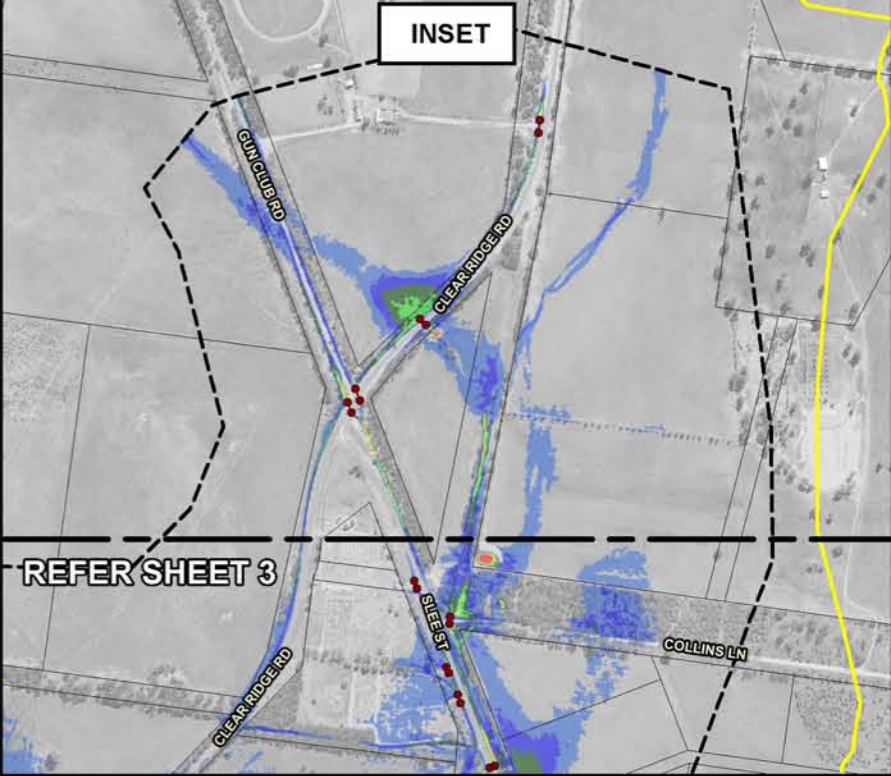
Figure 6.4  
(Sheet 2 of 5)

TUFLOW MODEL RESULTS  
2% AEP



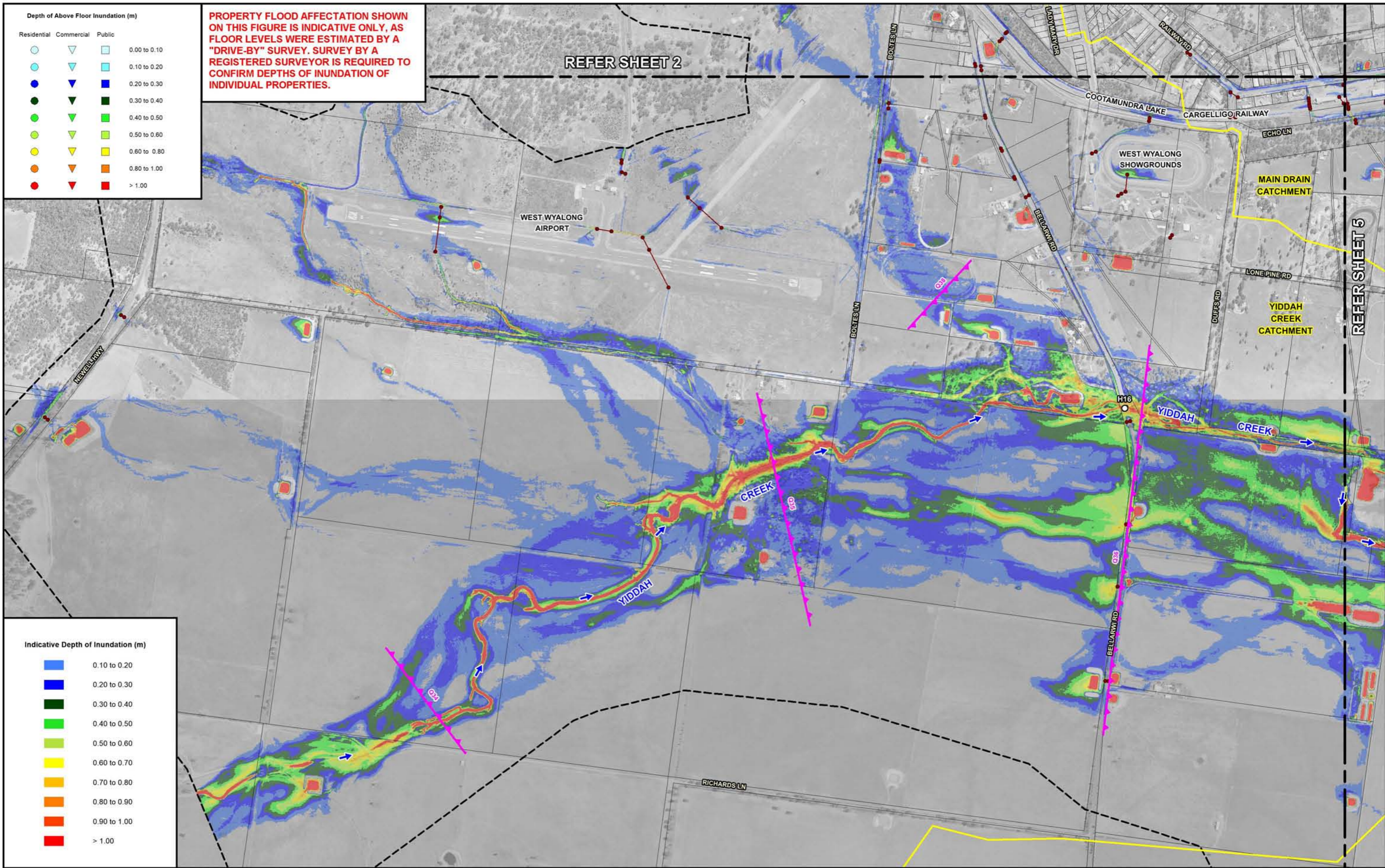
**PROPERTY FLOOD AFFECTATION SHOWN ON THIS FIGURE IS INDICATIVE ONLY, AS FLOOR LEVELS WERE ESTIMATED BY A "DRIVE-BY" SURVEY. SURVEY BY A REGISTERED SURVEYOR IS REQUIRED TO CONFIRM DEPTHS OF INUNDATION OF INDIVIDUAL PROPERTIES.**

Depth of Above Floor Inundation (m)			
Residential	Commercial	Public	
○	▽	□	0.00 to 0.10
○	▽	□	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 0.80
●	▽	■	0.80 to 1.00
●	▽	■	> 1.00



**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) 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
  - Study Catchments
  - Peak Flow Location and Identifier
  - Peak Flood Level Location and Identifier



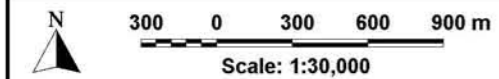
**Depth of Above Floor Inundation (m)**

Residential	Commercial	Public	Depth (m)
Light Blue Circle	Light Blue Triangle	Light Blue Square	0.00 to 0.10
Light Blue Circle	Light Blue Triangle	Light Blue Square	0.10 to 0.20
Blue Circle	Blue Triangle	Blue Square	0.20 to 0.30
Dark Blue Circle	Dark Blue Triangle	Dark Blue Square	0.30 to 0.40
Green Circle	Green Triangle	Green Square	0.40 to 0.50
Light Green Circle	Light Green Triangle	Light Green Square	0.50 to 0.60
Yellow Circle	Yellow Triangle	Yellow Square	0.60 to 0.80
Orange Circle	Orange Triangle	Orange Square	0.80 to 1.00
Red Circle	Red Triangle	Red Square	> 1.00

**PROPERTY FLOOD AFFECTATION SHOWN ON THIS FIGURE IS INDICATIVE ONLY, AS FLOOR LEVELS WERE ESTIMATED BY A "DRIVE-BY" SURVEY. SURVEY BY A REGISTERED SURVEYOR IS REQUIRED TO CONFIRM DEPTHS OF INUNDATION OF INDIVIDUAL PROPERTIES.**

**Indicative Depth of Inundation (m)**

Light Blue	0.10 to 0.20
Blue	0.20 to 0.30
Dark Blue	0.30 to 0.40
Green	0.40 to 0.50
Light Green	0.50 to 0.60
Yellow	0.60 to 0.70
Orange	0.70 to 0.80
Red-Orange	0.80 to 0.90
Red	0.90 to 1.00
Dark Red	> 1.00



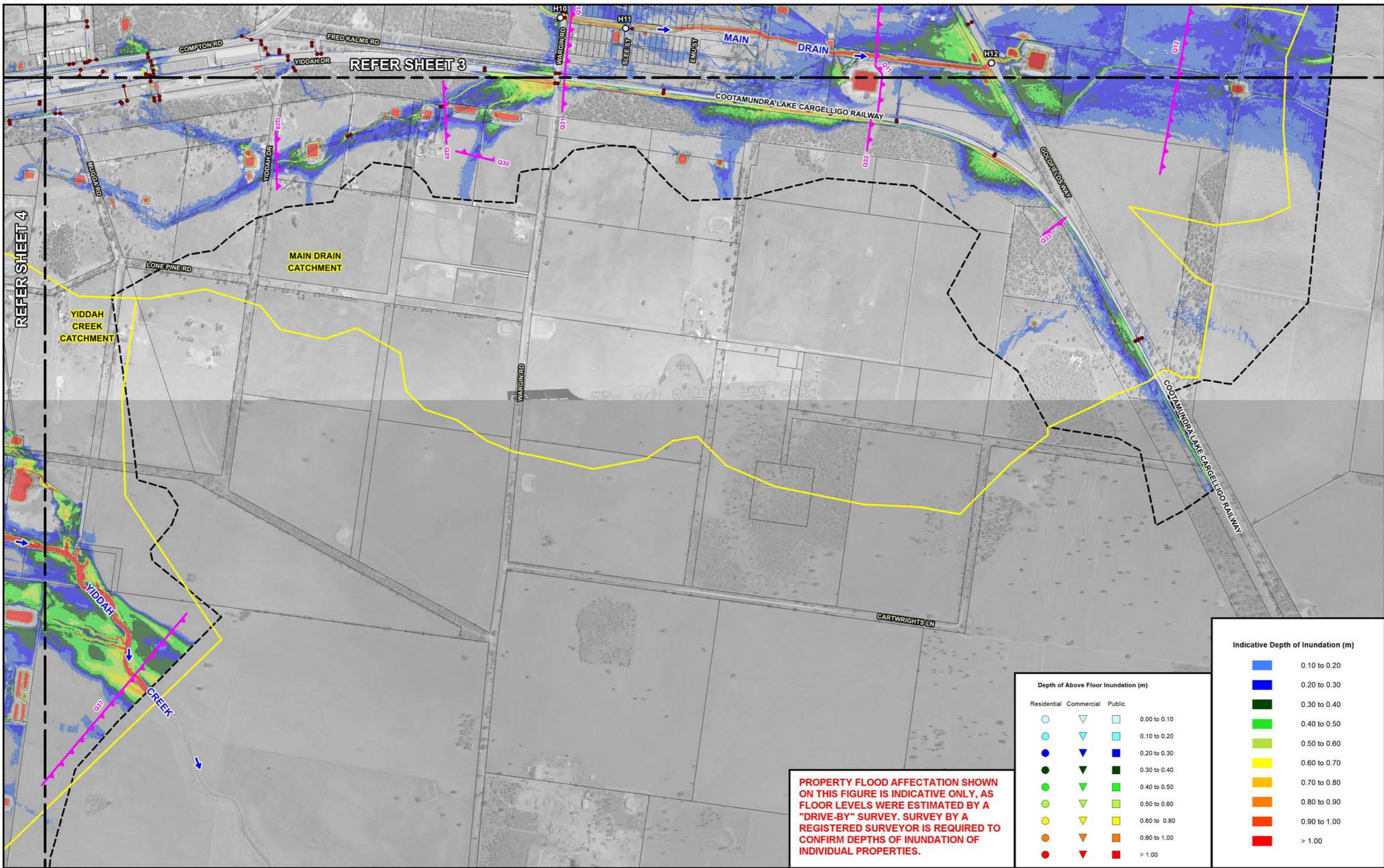
**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.  
 Flood depths are therefore approximate only and 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
  - Study Catchments
  - Peak Flow Location and Identifier (Q36)
  - Peak Flood Level Location and Identifier (H16)

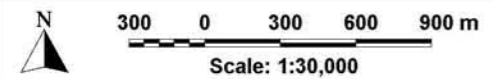
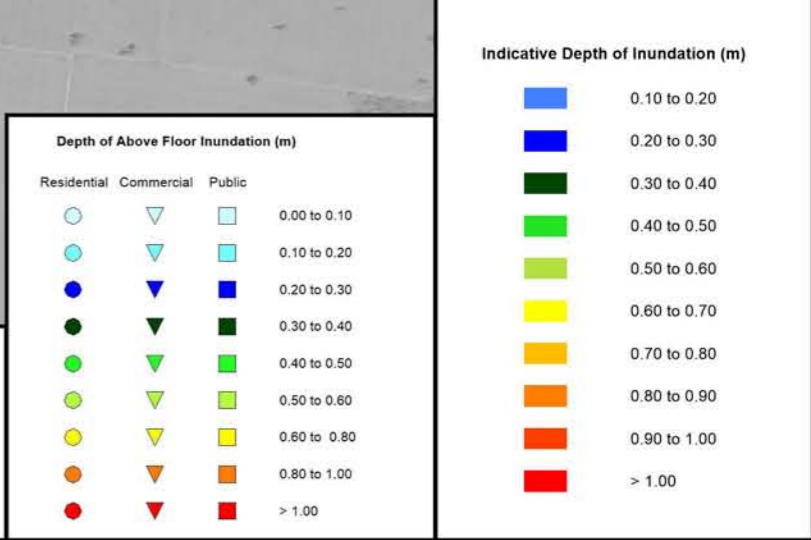
**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 6.4 (Sheet 4 of 5)

TUFLOW MODEL RESULTS  
 2% AEP

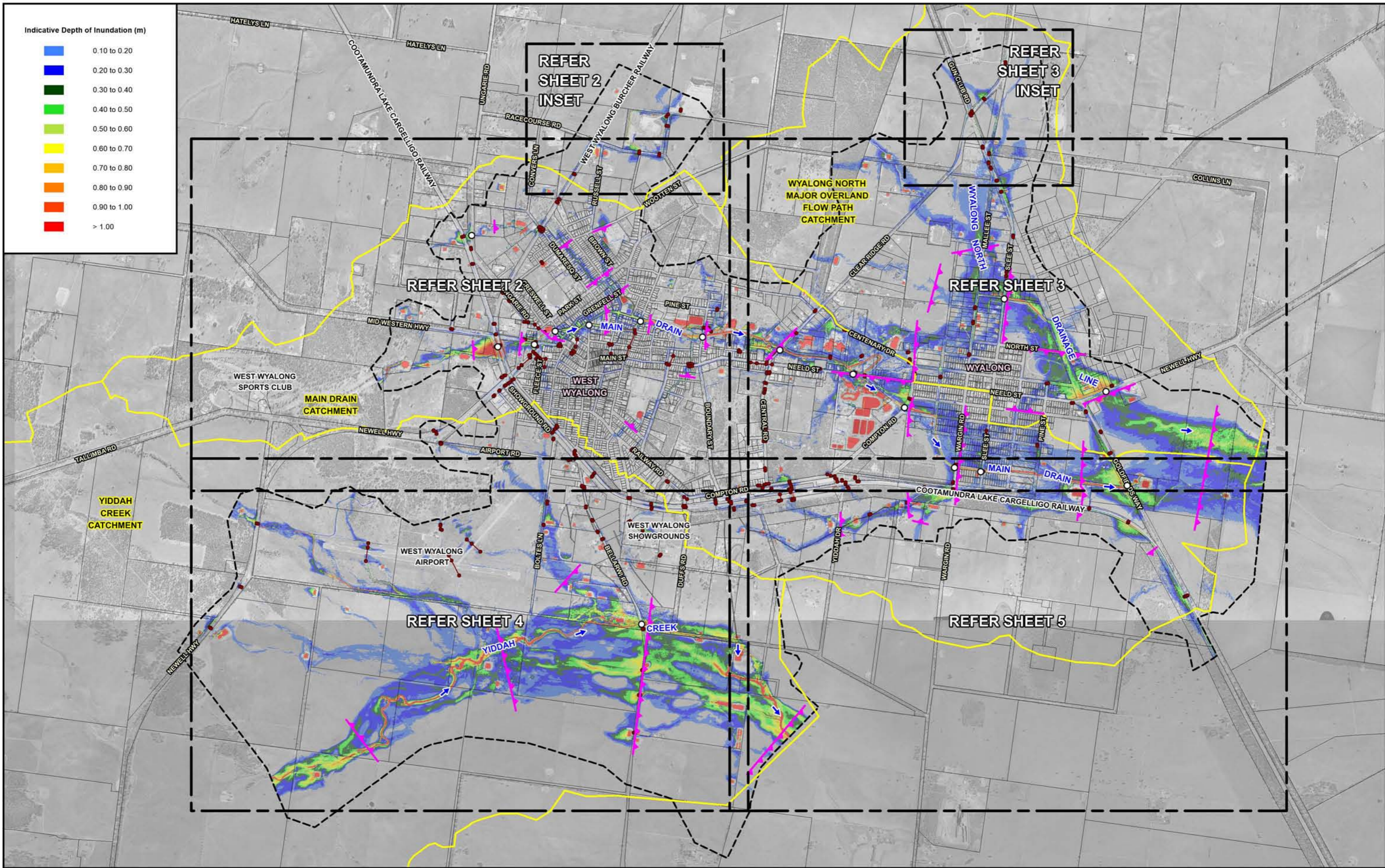


**PROPERTY FLOOD AFFECTATION SHOWN ON THIS FIGURE IS INDICATIVE ONLY, AS FLOOR LEVELS WERE ESTIMATED BY A "DRIVE-BY" SURVEY. SURVEY BY A REGISTERED SURVEYOR IS REQUIRED TO CONFIRM DEPTHS OF INUNDATION OF INDIVIDUAL PROPERTIES.**



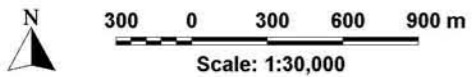
**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.  
 Flood depths are therefore approximate only and 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
  - Study Catchments
  - Q37 Peak Flow Location and Identifier
  - H12 Peak Flood Level Location and Identifier



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



NOTE:

The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) 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.

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary

LEGEND

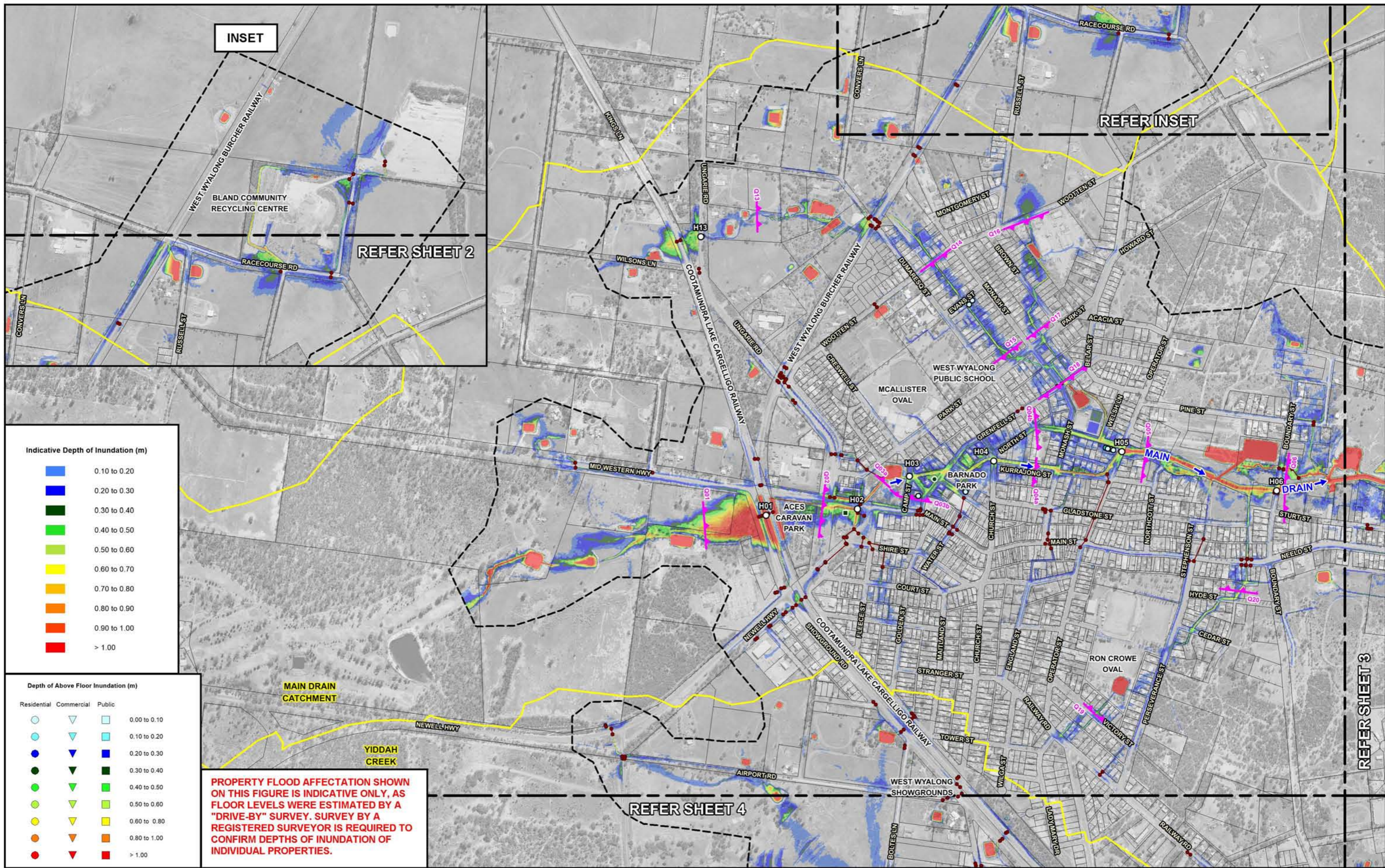
- Study Catchments
- ▲— Peak Flow Location
- Peak Flood Level Location

WYALONG AND WEST WYALONG  
FLOOD STUDY

Figure 6.5  
(Sheet 1 of 5)

TUFLOW MODEL RESULTS  
1% AEP





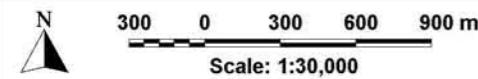
**Indicative Depth of Inundation (m)**

Blue	0.10 to 0.20
Dark Blue	0.20 to 0.30
Green	0.30 to 0.40
Light Green	0.40 to 0.50
Yellow-Green	0.50 to 0.60
Yellow	0.60 to 0.70
Orange	0.70 to 0.80
Red-Orange	0.80 to 0.90
Red	0.90 to 1.00
Dark Red	> 1.00

**Depth of Above Floor Inundation (m)**

Residential	Commercial	Public	Depth (m)
Light Blue Circle	Light Blue Triangle	Light Blue Square	0.00 to 0.10
Light Blue Circle	Light Blue Triangle	Light Blue Square	0.10 to 0.20
Blue Circle	Blue Triangle	Blue Square	0.20 to 0.30
Green Circle	Green Triangle	Green Square	0.30 to 0.40
Light Green Circle	Light Green Triangle	Light Green Square	0.40 to 0.50
Yellow-Green Circle	Yellow-Green Triangle	Yellow-Green Square	0.50 to 0.60
Yellow Circle	Yellow Triangle	Yellow Square	0.60 to 0.80
Orange Circle	Orange Triangle	Orange Square	0.80 to 1.00
Red Circle	Red Triangle	Red Square	> 1.00

**PROPERTY FLOOD AFFECTATION SHOWN ON THIS FIGURE IS INDICATIVE ONLY, AS FLOOR LEVELS WERE ESTIMATED BY A "DRIVE-BY" SURVEY. SURVEY BY A REGISTERED SURVEYOR IS REQUIRED TO CONFIRM DEPTHS OF INUNDATION OF INDIVIDUAL PROPERTIES.**



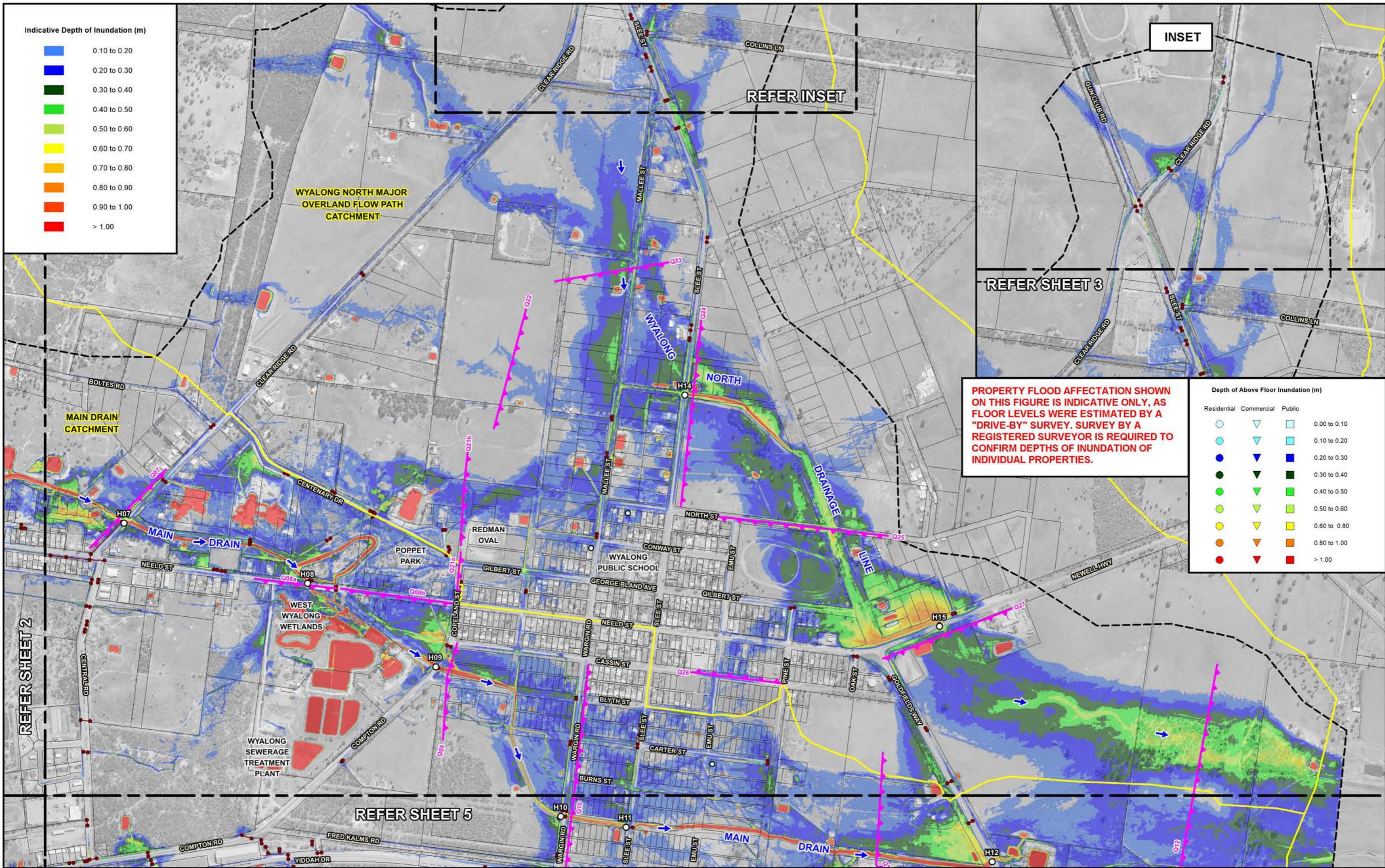
**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.  
 Flood depths are therefore approximate only and 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
  - Study Catchments
  - Peak Flow Location and Identifier (Q01)
  - Peak Flood Level Location and Identifier (H01)

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 6.5 (Sheet 2 of 5)

TUFLOW MODEL RESULTS  
1% AEP



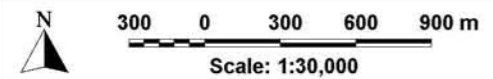
Indicative Depth of Inundation (m)

Light Blue	0.10 to 0.20
Blue	0.20 to 0.30
Dark Blue	0.30 to 0.40
Green	0.40 to 0.50
Light Green	0.50 to 0.60
Yellow	0.60 to 0.70
Orange	0.70 to 0.80
Dark Orange	0.80 to 0.90
Red	0.90 to 1.00
Dark Red	> 1.00

PROPERTY FLOOD AFFECTATION SHOWN ON THIS FIGURE IS INDICATIVE ONLY, AS FLOOR LEVELS WERE ESTIMATED BY A "DRIVE-BY" SURVEY. SURVEY BY A REGISTERED SURVEYOR IS REQUIRED TO CONFIRM DEPTHS OF INUNDATION OF INDIVIDUAL PROPERTIES.

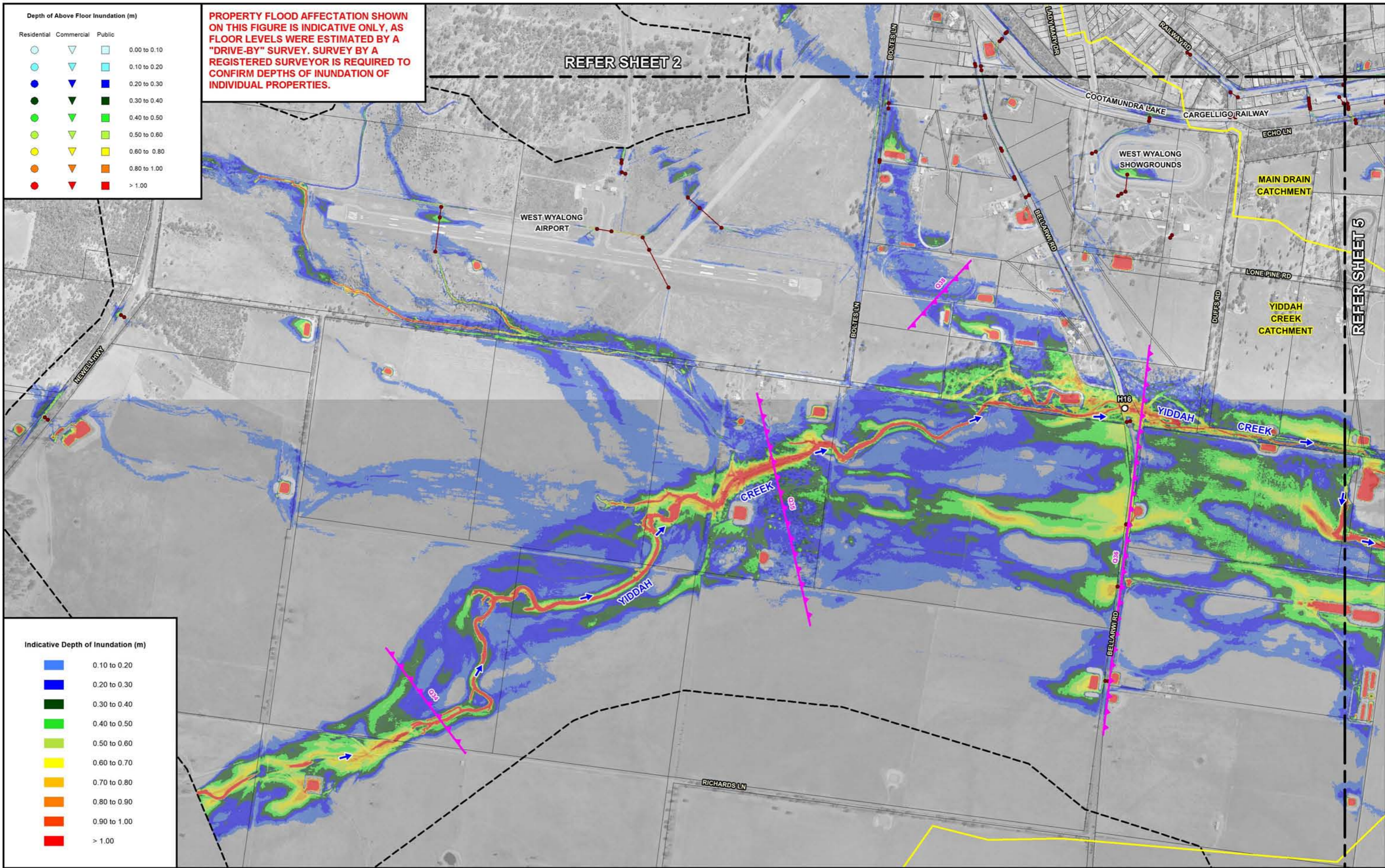
Depth of Above Floor Inundation (m)

Residential	Commercial	Public	Depth (m)
Light Blue Circle	Light Blue Triangle	Light Blue Square	0.00 to 0.10
Blue Circle	Blue Triangle	Blue Square	0.10 to 0.20
Dark Blue Circle	Dark Blue Triangle	Dark Blue Square	0.20 to 0.30
Green Circle	Green Triangle	Green Square	0.30 to 0.40
Light Green Circle	Light Green Triangle	Light Green Square	0.40 to 0.50
Yellow Circle	Yellow Triangle	Yellow Square	0.50 to 0.60
Orange Circle	Orange Triangle	Orange Square	0.60 to 0.80
Dark Orange Circle	Dark Orange Triangle	Dark Orange Square	0.80 to 1.00
Red Circle	Red Triangle	Red Square	> 1.00



NOTE:  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) 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.

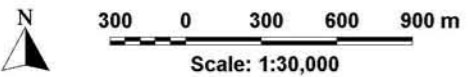
- LEGEND
- Modelled Stormwater Drainage System
  - Two-Dimensional Model Boundary
  - Study Catchments
  - Peak Flow Location and Identifier (Q22, Q23, Q24, Q25, Q26, Q27, Q28, Q29, Q30)
  - Peak Flood Level Location and Identifier (H07, H08, H09, H10, H11, H12, H14, H15)



**PROPERTY FLOOD AFFECTATION SHOWN ON THIS FIGURE IS INDICATIVE ONLY, AS FLOOR LEVELS WERE ESTIMATED BY A "DRIVE-BY" SURVEY. SURVEY BY A REGISTERED SURVEYOR IS REQUIRED TO CONFIRM DEPTHS OF INUNDATION OF INDIVIDUAL PROPERTIES.**

Depth of Above Floor Inundation (m)			
Residential	Commercial	Public	
○	▽	□	0.00 to 0.10
○	▽	□	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 0.80
●	▽	■	0.80 to 1.00
●	▽	■	> 1.00

Indicative Depth of Inundation (m)	
Blue	0.10 to 0.20
Dark Blue	0.20 to 0.30
Green	0.30 to 0.40
Light Green	0.40 to 0.50
Yellow-Green	0.50 to 0.60
Yellow	0.60 to 0.70
Orange	0.70 to 0.80
Red-Orange	0.80 to 0.90
Red	0.90 to 1.00
Dark Red	> 1.00

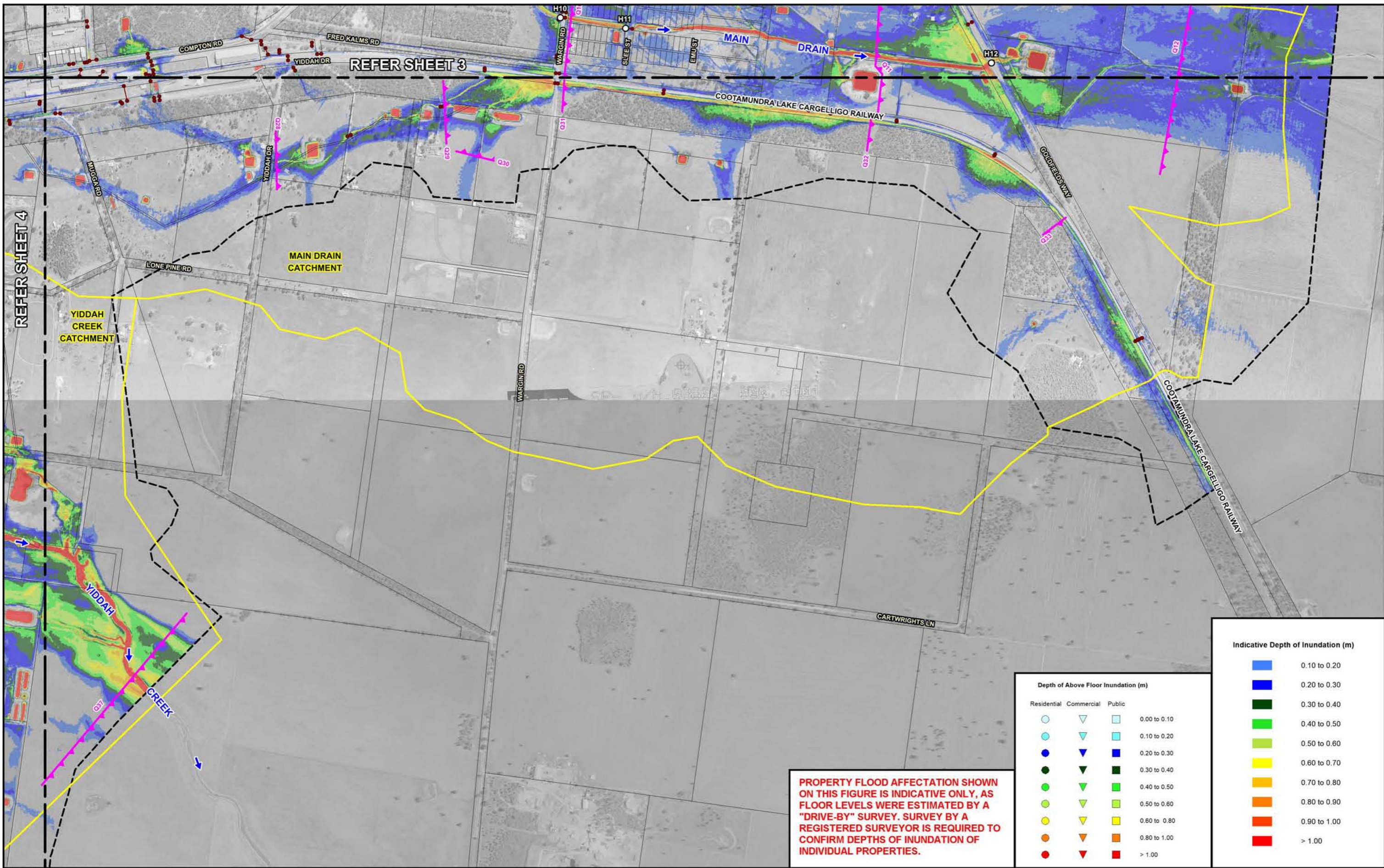


**NOTE:**  
The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.

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.

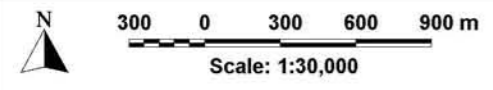
- Modelled Stormwater Drainage System
- - - Two-Dimensional Model Boundary
- Study Catchments
- Q36 Peak Flow Location and Identifier
- H16 Peak Flood Level Location and Identifier



Depth of Above Floor Inundation (m)			
Residential	Commercial	Public	
○	▽	□	0.00 to 0.10
○	▽	□	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 0.80
●	▽	■	0.80 to 1.00
●	▽	■	> 1.00

Indicative Depth of Inundation (m)	
Blue	0.10 to 0.20
Dark Blue	0.20 to 0.30
Green	0.30 to 0.40
Light Green	0.40 to 0.50
Yellow-Green	0.50 to 0.60
Yellow	0.60 to 0.70
Orange	0.70 to 0.80
Red-Orange	0.80 to 0.90
Red	0.90 to 1.00
Dark Red	> 1.00

**PROPERTY FLOOD AFFECTATION SHOWN ON THIS FIGURE IS INDICATIVE ONLY, AS FLOOR LEVELS WERE ESTIMATED BY A "DRIVE-BY" SURVEY. SURVEY BY A REGISTERED SURVEYOR IS REQUIRED TO CONFIRM DEPTHS OF INUNDATION OF INDIVIDUAL PROPERTIES.**



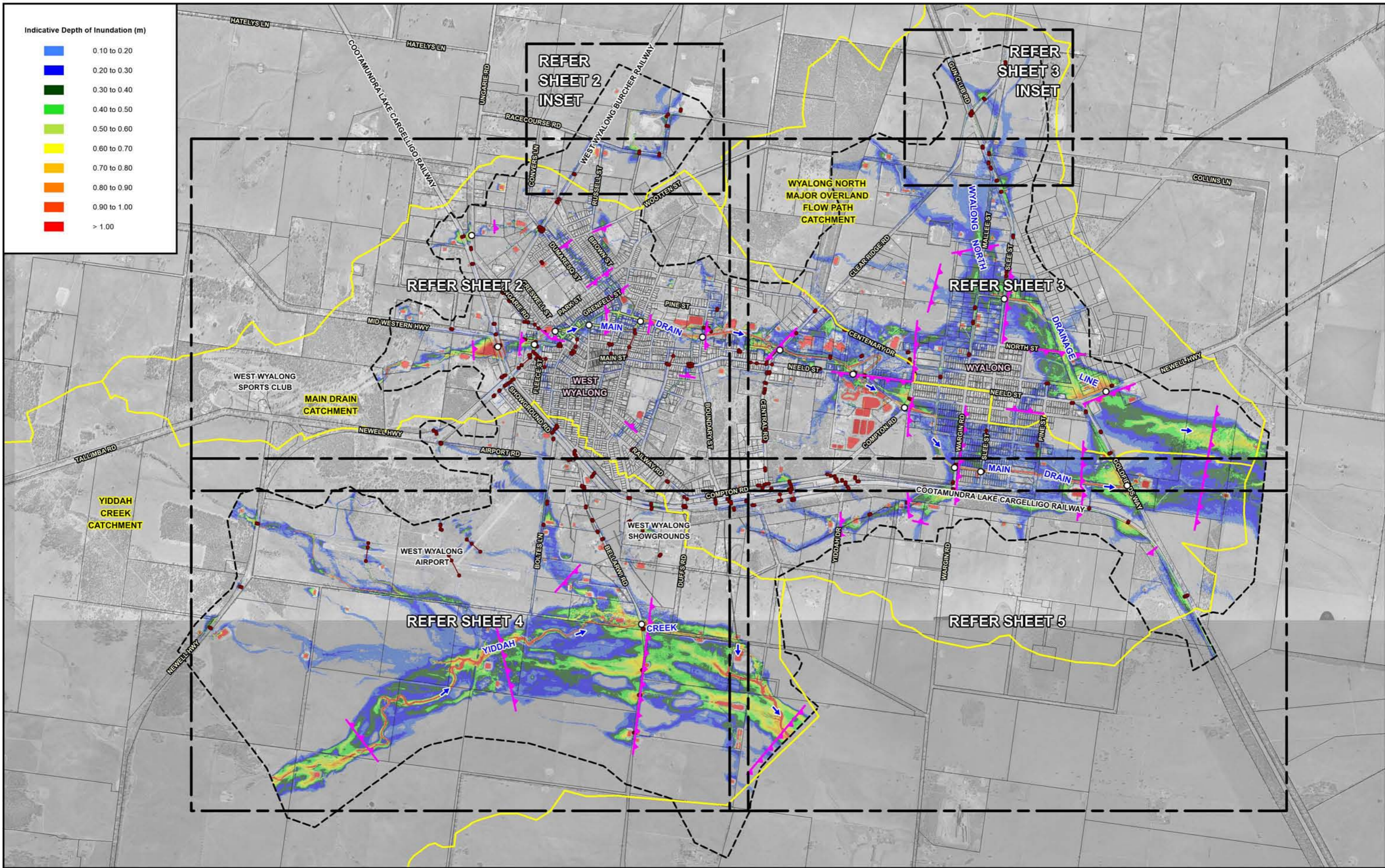
**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.  
 Flood depths are therefore approximate only and 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
  - Study Catchments
  - Q37 Peak Flow Location and Identifier
  - H12 Peak Flood Level Location and Identifier

**WYALONG AND WEST WYALONG FLOOD STUDY**

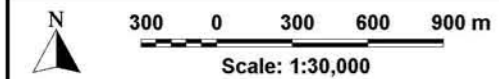
Figure 6.5 (Sheet 5 of 5)

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



NOTE:

The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) 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.

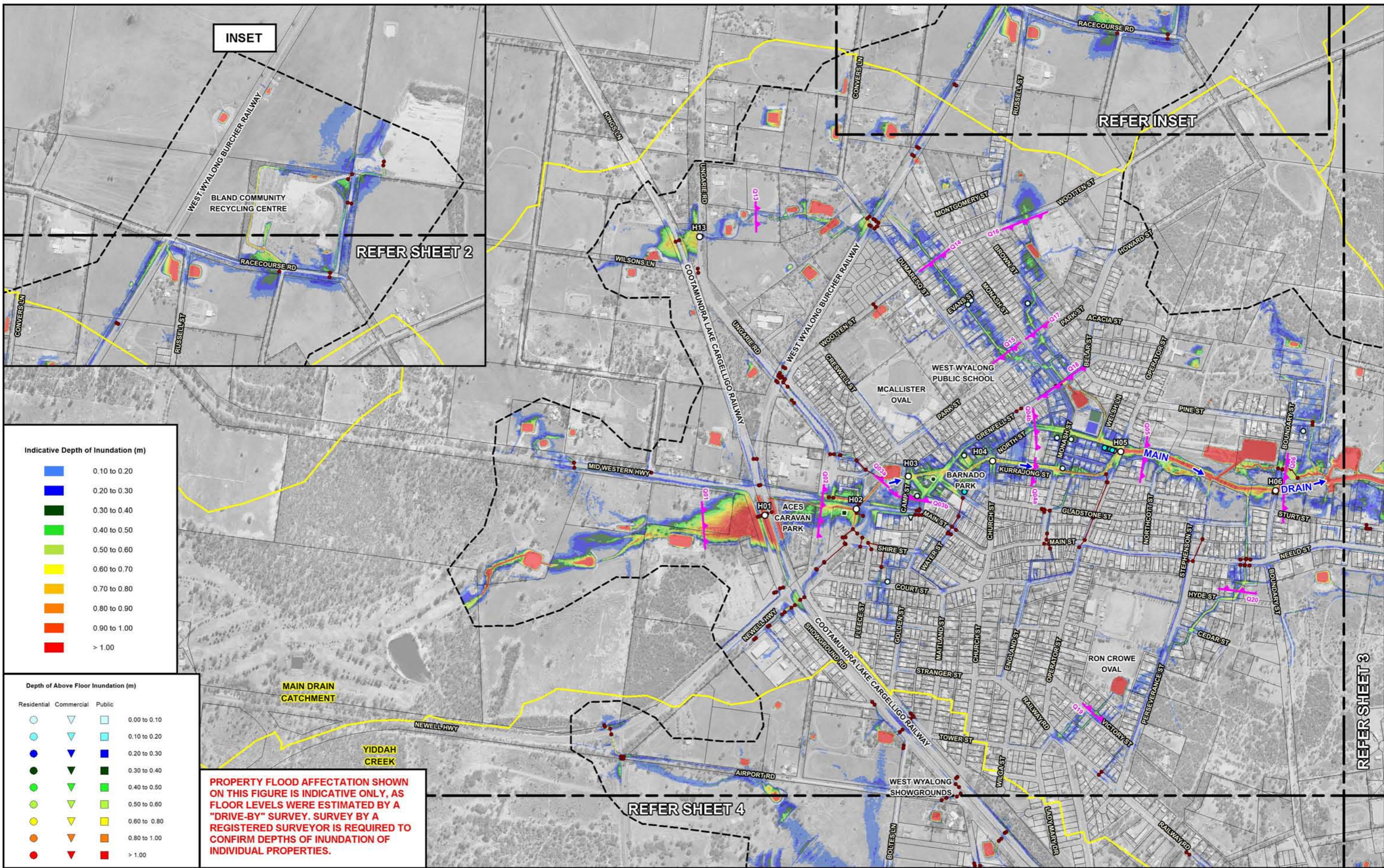
LEGEND

- Modelled Stormwater Drainage System
- - - Two-Dimensional Model Boundary
- Study Catchments
- ▲— Peak Flow Location
- Peak Flood Level Location

WYALONG AND WEST WYALONG FLOOD STUDY

Figure 6.6 (Sheet 1 of 5)

TUFLOW MODEL RESULTS  
0.5% AEP



**INSET**

**REFER INSET**

**REFER SHEET 2**

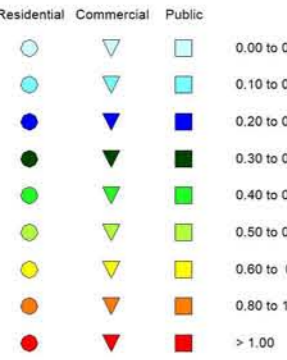
**REFER SHEET 4**

**REFER SHEET 3**

Indicative Depth of Inundation (m)



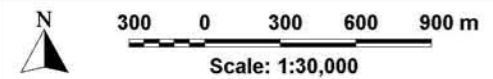
Depth of Above Floor Inundation (m)



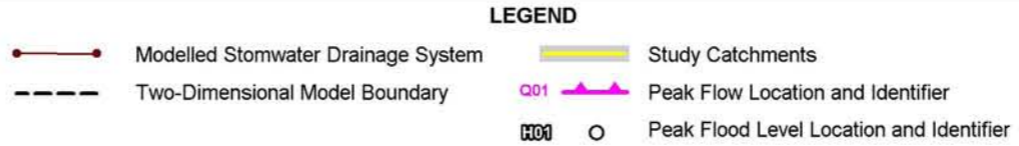
**PROPERTY FLOOD AFFECTATION SHOWN ON THIS FIGURE IS INDICATIVE ONLY, AS FLOOR LEVELS WERE ESTIMATED BY A "DRIVE-BY" SURVEY. SURVEY BY A REGISTERED SURVEYOR IS REQUIRED TO CONFIRM DEPTHS OF INUNDATION OF INDIVIDUAL PROPERTIES.**

**MAIN DRAIN CATCHMENT**

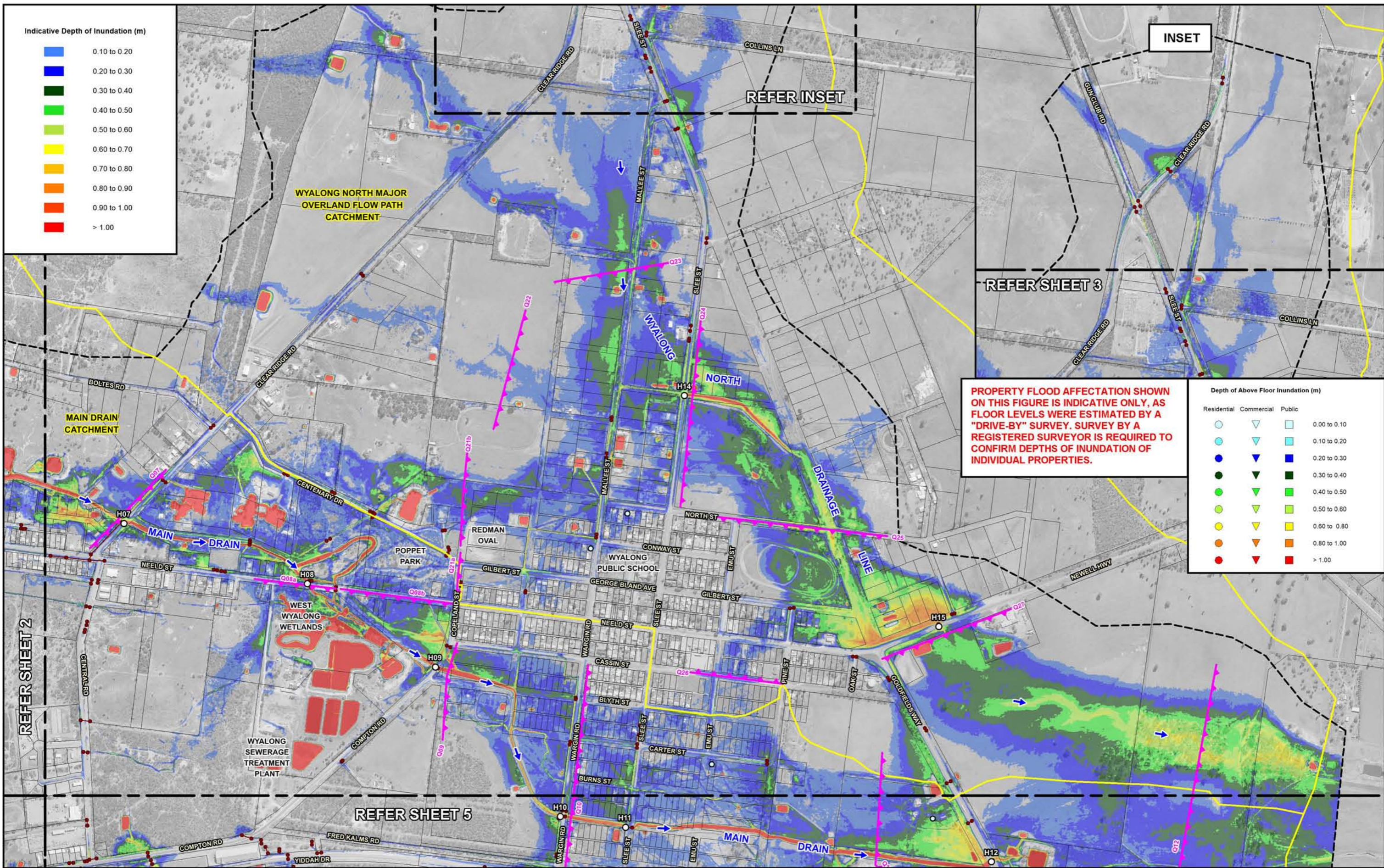
**YIDDAH CREEK**



**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) 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.



**WYALONG AND WEST WYALONG FLOOD STUDY**



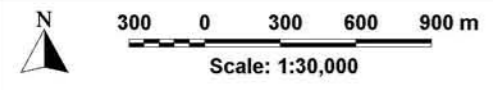
Indicative Depth of Inundation (m)

Light Blue	0.10 to 0.20
Blue	0.20 to 0.30
Dark Blue	0.30 to 0.40
Green	0.40 to 0.50
Light Green	0.50 to 0.60
Yellow	0.60 to 0.70
Orange	0.70 to 0.80
Red-Orange	0.80 to 0.90
Red	0.90 to 1.00
Dark Red	> 1.00

**PROPERTY FLOOD AFFECTATION SHOWN ON THIS FIGURE IS INDICATIVE ONLY, AS FLOOR LEVELS WERE ESTIMATED BY A "DRIVE-BY" SURVEY. SURVEY BY A REGISTERED SURVEYOR IS REQUIRED TO CONFIRM DEPTHS OF INUNDATION OF INDIVIDUAL PROPERTIES.**

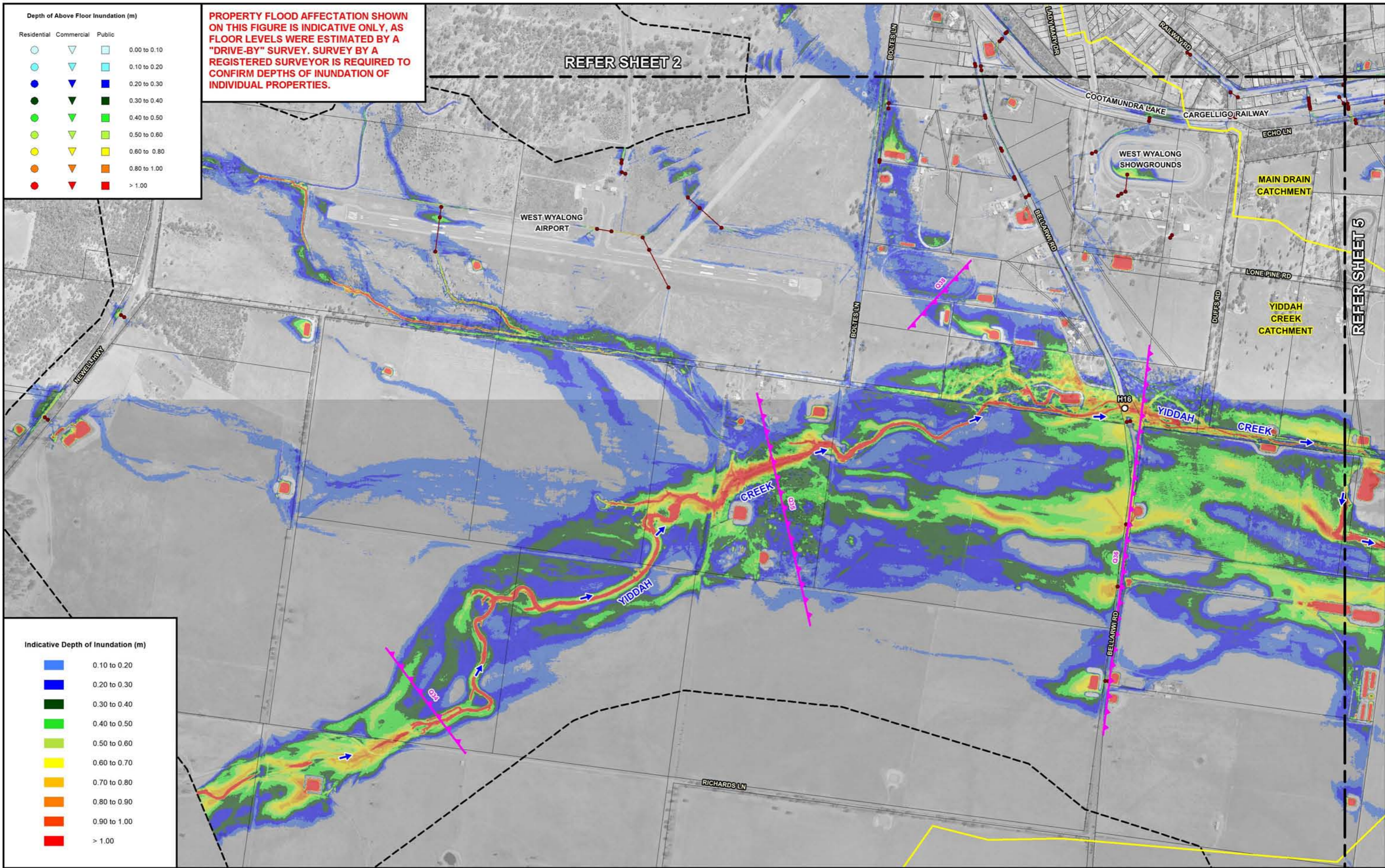
Depth of Above Floor Inundation (m)

Residential	Commercial	Public	Depth (m)
Light Blue Circle	Light Blue Triangle	Light Blue Square	0.00 to 0.10
Blue Circle	Blue Triangle	Blue Square	0.10 to 0.20
Dark Blue Circle	Dark Blue Triangle	Dark Blue Square	0.20 to 0.30
Green Circle	Green Triangle	Green Square	0.30 to 0.40
Light Green Circle	Light Green Triangle	Light Green Square	0.40 to 0.50
Yellow Circle	Yellow Triangle	Yellow Square	0.50 to 0.60
Orange Circle	Orange Triangle	Orange Square	0.60 to 0.80
Red-Orange Circle	Red-Orange Triangle	Red-Orange Square	0.80 to 1.00
Red Circle	Red Triangle	Red Square	> 1.00



**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) 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.

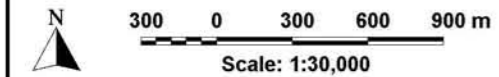
- LEGEND**
- Modelled Stormwater Drainage System
  - Two-Dimensional Model Boundary
  - Study Catchments
  - Peak Flow Location and Identifier (Q22)
  - Peak Flood Level Location and Identifier (H07)



**PROPERTY FLOOD AFFECTATION SHOWN ON THIS FIGURE IS INDICATIVE ONLY, AS FLOOR LEVELS WERE ESTIMATED BY A "DRIVE-BY" SURVEY. SURVEY BY A REGISTERED SURVEYOR IS REQUIRED TO CONFIRM DEPTHS OF INUNDATION OF INDIVIDUAL PROPERTIES.**

Depth of Above Floor Inundation (m)			
Residential	Commercial	Public	
○	▽	□	0.00 to 0.10
○	▽	□	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 0.80
●	▽	■	0.80 to 1.00
●	▽	■	> 1.00

Indicative Depth of Inundation (m)	
Blue	0.10 to 0.20
Dark Blue	0.20 to 0.30
Green	0.30 to 0.40
Light Green	0.40 to 0.50
Yellow-Green	0.50 to 0.60
Yellow	0.60 to 0.70
Orange	0.70 to 0.80
Red-Orange	0.80 to 0.90
Red	0.90 to 1.00
Dark Red	> 1.00



**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) 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.

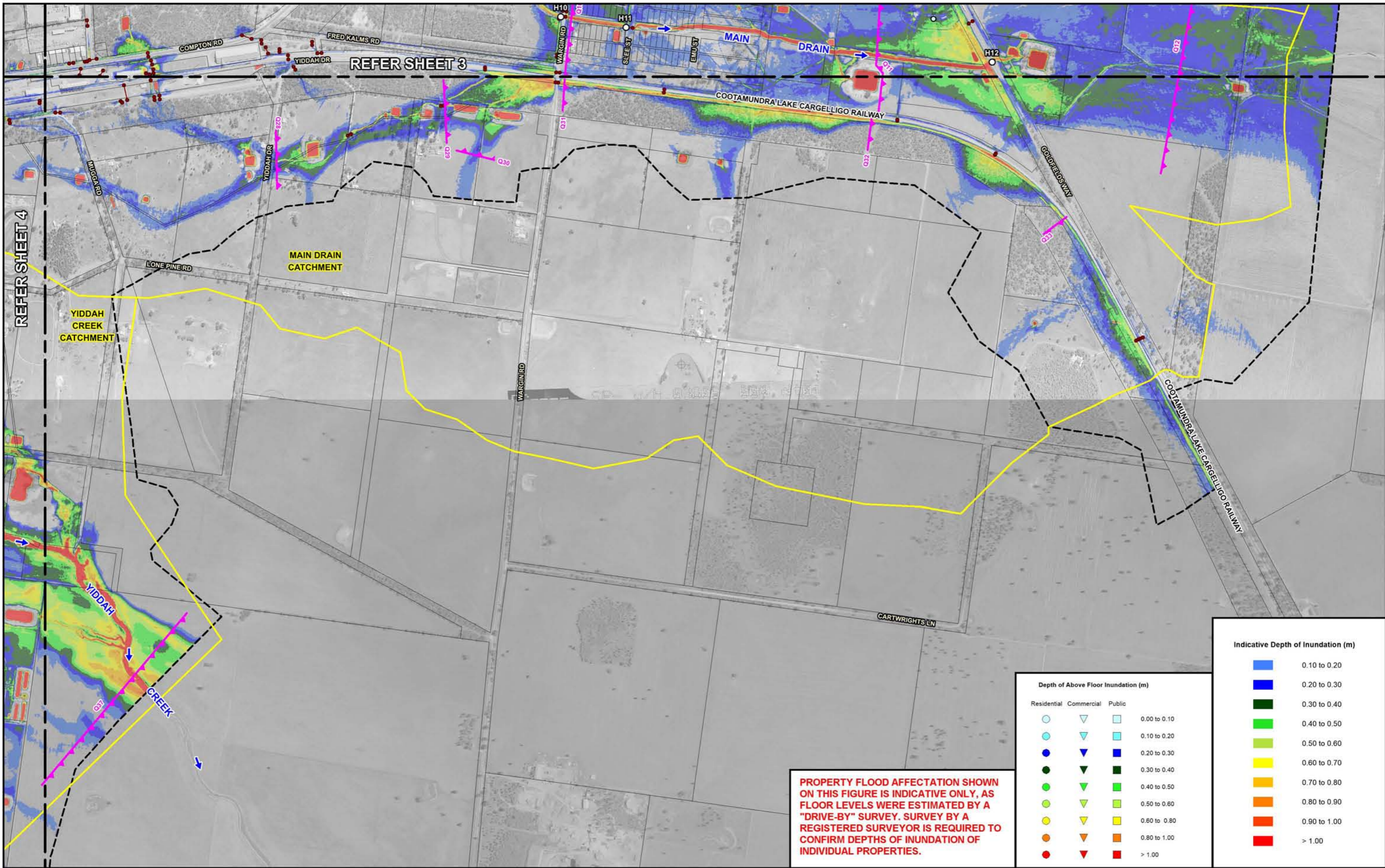
- LEGEND**
- Modelled Stormwater Drainage System
  - Two-Dimensional Model Boundary
  - Study Catchments
  - Q36 Peak Flow Location and Identifier
  - H16 Peak Flood Level Location and Identifier

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 6.6 (Sheet 4 of 5)

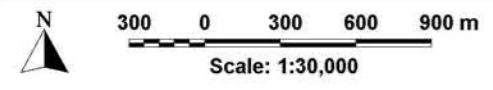
TUFLOW MODEL RESULTS  
 0.5% AEP





**PROPERTY FLOOD AFFECTATION SHOWN ON THIS FIGURE IS INDICATIVE ONLY, AS FLOOR LEVELS WERE ESTIMATED BY A "DRIVE-BY" SURVEY. SURVEY BY A REGISTERED SURVEYOR IS REQUIRED TO CONFIRM DEPTHS OF INUNDATION OF INDIVIDUAL PROPERTIES.**

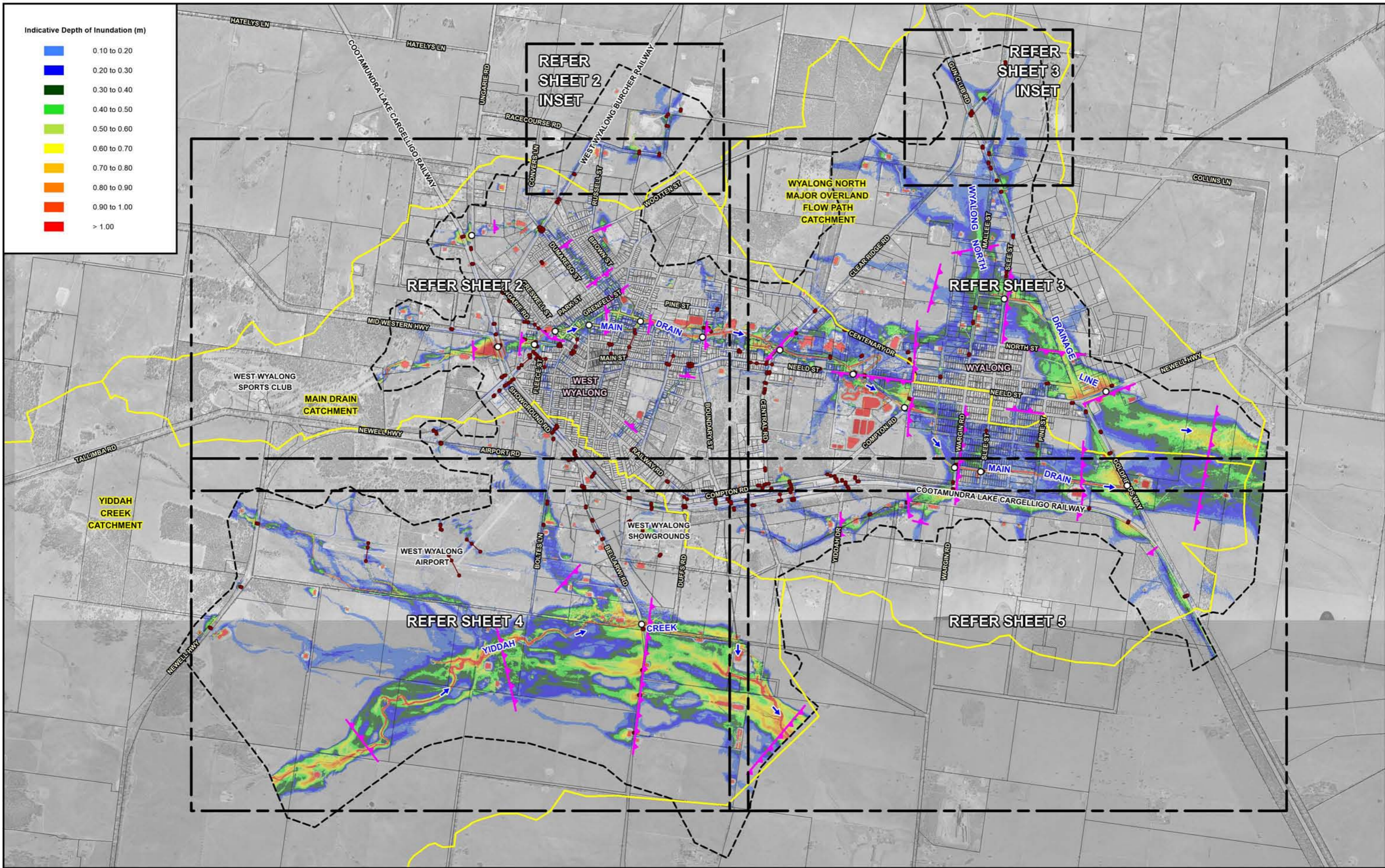
Depth of Above Floor Inundation (m)			Indicative Depth of Inundation (m)
Residential	Commercial	Public	
○	▽	□	0.10 to 0.20
○	▽	□	0.20 to 0.30
○	▽	□	0.30 to 0.40
○	▽	□	0.40 to 0.50
○	▽	□	0.50 to 0.60
○	▽	□	0.60 to 0.70
○	▽	□	0.70 to 0.80
○	▽	□	0.80 to 0.90
○	▽	□	0.90 to 1.00
○	▽	□	> 1.00



**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) 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
  - Study Catchments
  - Q37 Peak Flow Location and Identifier
  - Q32 Peak Flood Level Location and Identifier

**WYALONG AND WEST WYALONG FLOOD STUDY**



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

Scale: 1:30,000

NOTE:

The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) 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.

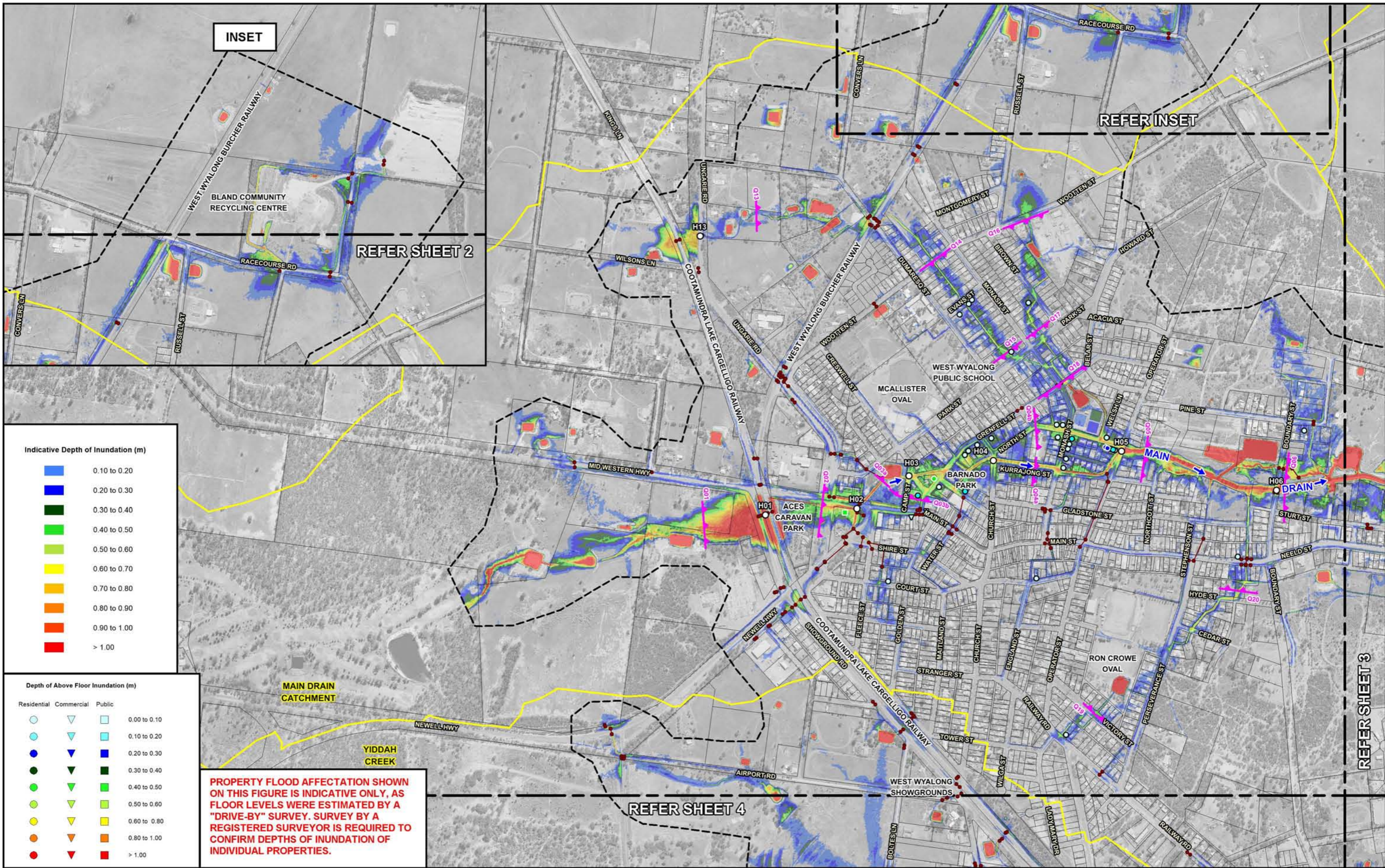
LEGEND

- Modelled Stormwater Drainage System
- - - Two-Dimensional Model Boundary
- Study Catchments
- ▲— Peak Flow Location
- Peak Flood Level Location

WYALONG AND WEST WYALONG FLOOD STUDY

Figure 6.7 (Sheet 1 of 5)

TUFLOW MODEL RESULTS 0.2% AEP



INSET

REFER INSET

REFER SHEET 2

REFER SHEET 4

REFER SHEET 3

Indicative Depth of Inundation (m)

Blue	0.10 to 0.20
Dark Blue	0.20 to 0.30
Green	0.30 to 0.40
Light Green	0.40 to 0.50
Yellow-Green	0.50 to 0.60
Yellow	0.60 to 0.70
Orange	0.70 to 0.80
Red-Orange	0.80 to 0.90
Red	0.90 to 1.00
Dark Red	> 1.00

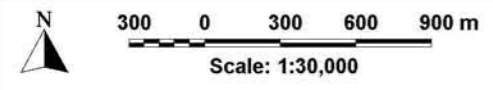
Depth of Above Floor Inundation (m)

Residential	Commercial	Public	Depth (m)
Light Blue Circle	Light Blue Triangle	Light Blue Square	0.00 to 0.10
Light Blue Circle	Light Blue Triangle	Light Blue Square	0.10 to 0.20
Blue Circle	Blue Triangle	Blue Square	0.20 to 0.30
Green Circle	Green Triangle	Green Square	0.30 to 0.40
Light Green Circle	Light Green Triangle	Light Green Square	0.40 to 0.50
Yellow-Green Circle	Yellow-Green Triangle	Yellow-Green Square	0.50 to 0.60
Yellow Circle	Yellow Triangle	Yellow Square	0.60 to 0.80
Orange Circle	Orange Triangle	Orange Square	0.80 to 1.00
Red Circle	Red Triangle	Red Square	> 1.00

**PROPERTY FLOOD AFFECTATION SHOWN ON THIS FIGURE IS INDICATIVE ONLY, AS FLOOR LEVELS WERE ESTIMATED BY A "DRIVE-BY" SURVEY. SURVEY BY A REGISTERED SURVEYOR IS REQUIRED TO CONFIRM DEPTHS OF INUNDATION OF INDIVIDUAL PROPERTIES.**

MAIN DRAIN CATCHMENT

YIDDAH CREEK



**NOTE:**  
The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) 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.

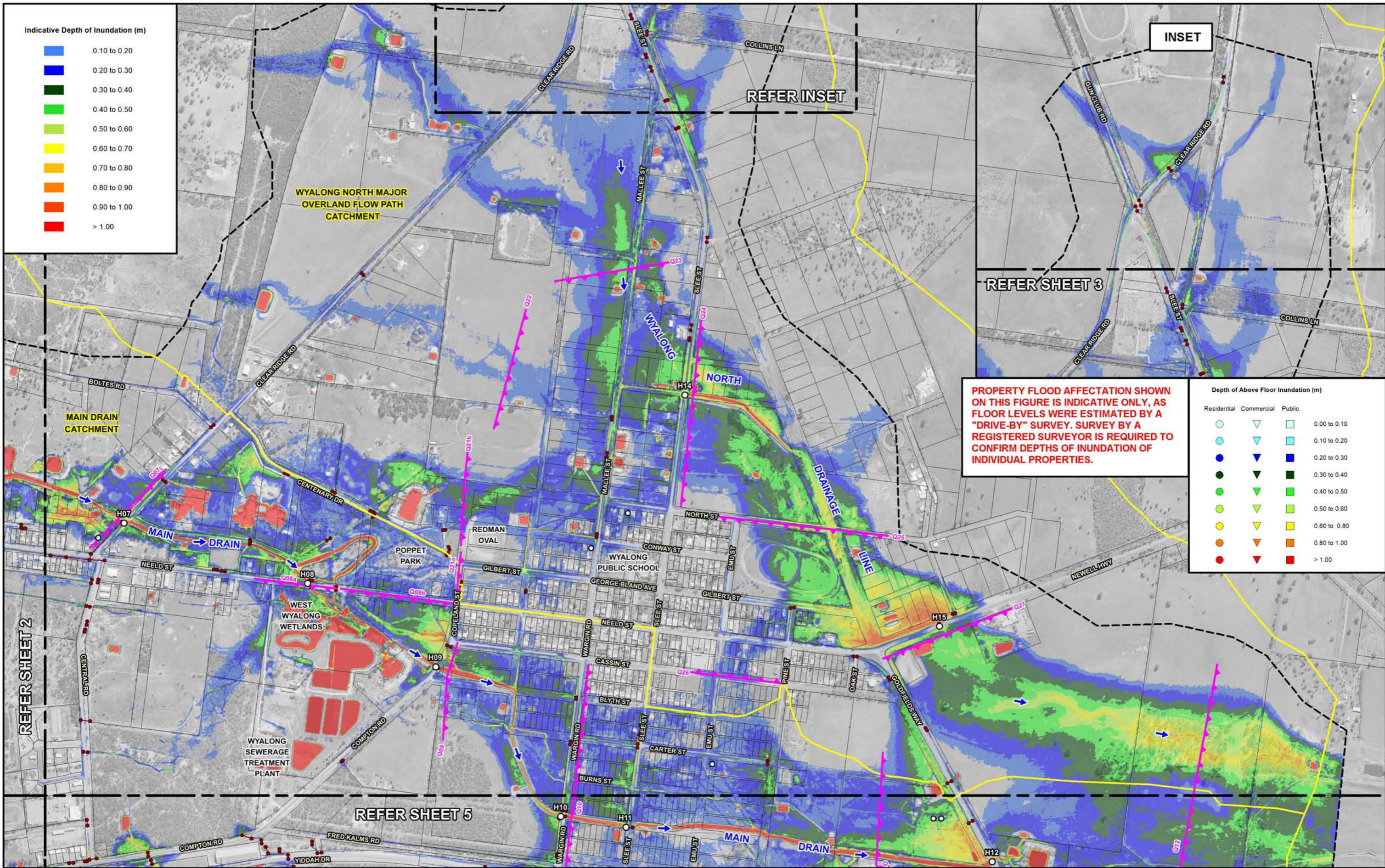
LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Study Catchments
- Peak Flow Location and Identifier
- Peak Flood Level Location and Identifier

WYALONG AND WEST WYALONG FLOOD STUDY

Figure 6.7 (Sheet 2 of 5)

TUFLOW MODEL RESULTS  
0.2% AEP



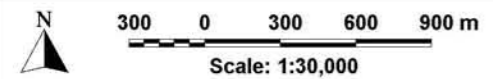
Indicative Depth of Inundation (m)

Blue	0.10 to 0.20
Dark Blue	0.20 to 0.30
Green	0.30 to 0.40
Light Green	0.40 to 0.50
Yellow	0.50 to 0.60
Orange	0.60 to 0.70
Red-Orange	0.70 to 0.80
Red	0.80 to 0.90
Dark Red	0.90 to 1.00
Red	> 1.00

PROPERTY FLOOD AFFECTATION SHOWN ON THIS FIGURE IS INDICATIVE ONLY, AS FLOOR LEVELS WERE ESTIMATED BY A "DRIVE-BY" SURVEY. SURVEY BY A REGISTERED SURVEYOR IS REQUIRED TO CONFIRM DEPTHS OF INUNDATION OF INDIVIDUAL PROPERTIES.

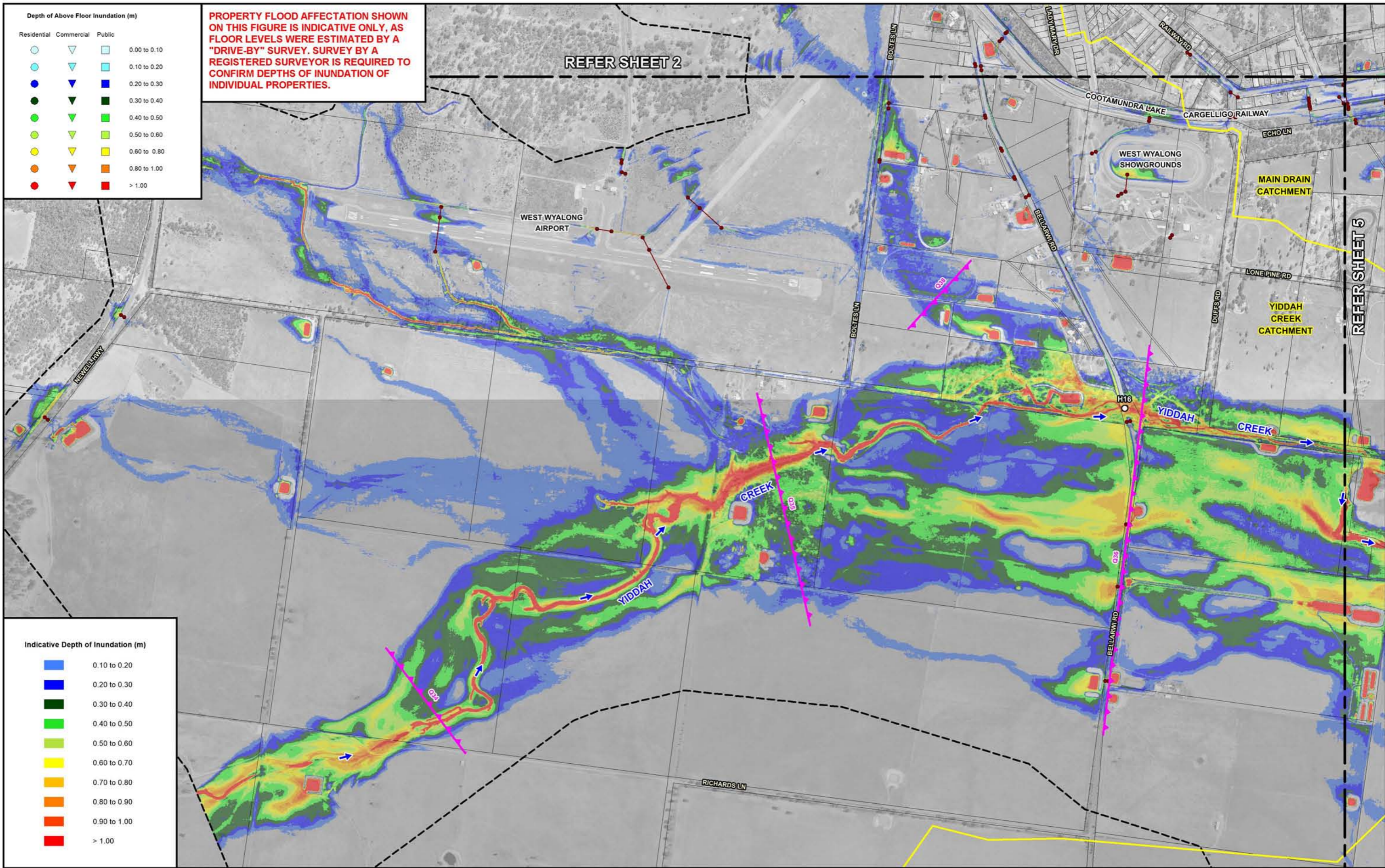
Depth of Above Floor Inundation (m)

Residential	Commercial	Public	
Light Blue Circle	Light Blue Triangle	Light Blue Square	0.00 to 0.10
Blue Circle	Blue Triangle	Blue Square	0.10 to 0.20
Dark Blue Circle	Dark Blue Triangle	Dark Blue Square	0.20 to 0.30
Green Circle	Green Triangle	Green Square	0.30 to 0.40
Light Green Circle	Light Green Triangle	Light Green Square	0.40 to 0.50
Yellow Circle	Yellow Triangle	Yellow Square	0.50 to 0.60
Orange Circle	Orange Triangle	Orange Square	0.60 to 0.80
Red Circle	Red Triangle	Red Square	0.80 to 1.00
Dark Red Circle	Dark Red Triangle	Dark Red Square	> 1.00



NOTE:  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) 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.

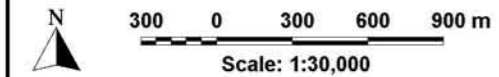
- LEGEND
- Modelled Stormwater Drainage System
  - Two-Dimensional Model Boundary
  - Study Catchments
  - Peak Flow Location and Identifier
  - Peak Flood Level Location and Identifier



**PROPERTY FLOOD AFFECTATION SHOWN ON THIS FIGURE IS INDICATIVE ONLY, AS FLOOR LEVELS WERE ESTIMATED BY A "DRIVE-BY" SURVEY. SURVEY BY A REGISTERED SURVEYOR IS REQUIRED TO CONFIRM DEPTHS OF INUNDATION OF INDIVIDUAL PROPERTIES.**

Depth of Above Floor Inundation (m)			
Residential	Commercial	Public	
○	▽	□	0.00 to 0.10
○	▽	□	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 0.80
●	▽	■	0.80 to 1.00
●	▽	■	> 1.00

Indicative Depth of Inundation (m)	
Blue	0.10 to 0.20
Dark Blue	0.20 to 0.30
Green	0.30 to 0.40
Light Green	0.40 to 0.50
Yellow-Green	0.50 to 0.60
Yellow	0.60 to 0.70
Orange	0.70 to 0.80
Red-Orange	0.80 to 0.90
Red	0.90 to 1.00
Dark Red	> 1.00



**NOTE:**  
The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) 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.

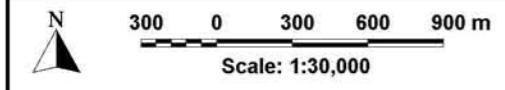
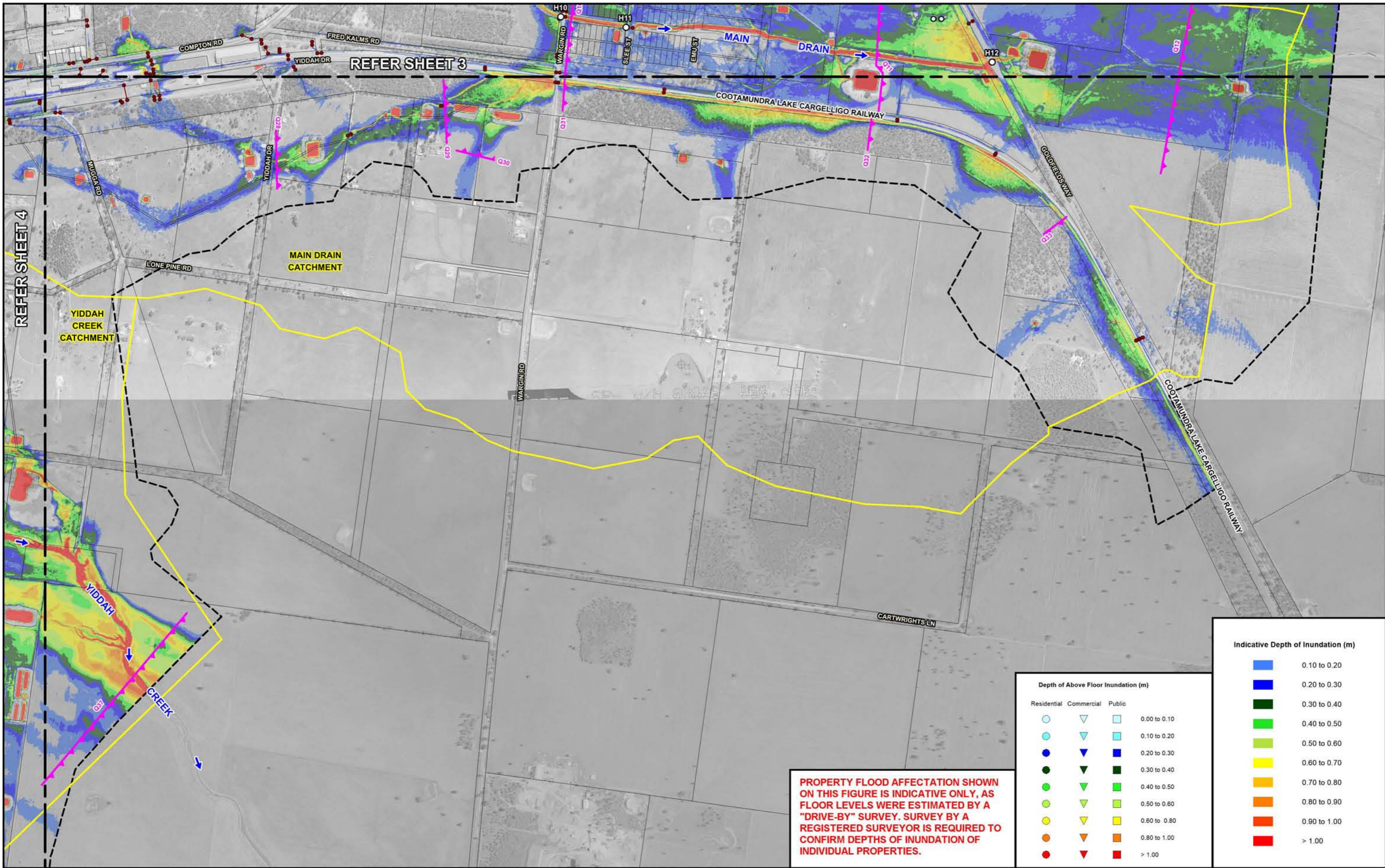
Flood depths not shown within the footprint of existing buildings.

- LEGEND**
- Modelled Stormwater Drainage System
  - Two-Dimensional Model Boundary
  - Study Catchments
  - Q36 Peak Flow Location and Identifier
  - H16 Peak Flood Level Location and Identifier

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 6.7  
(Sheet 4 of 5)

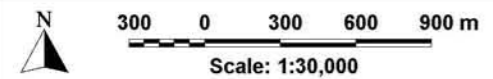
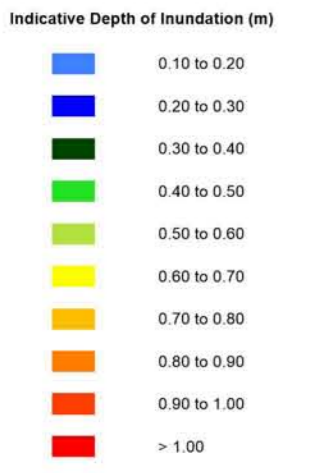
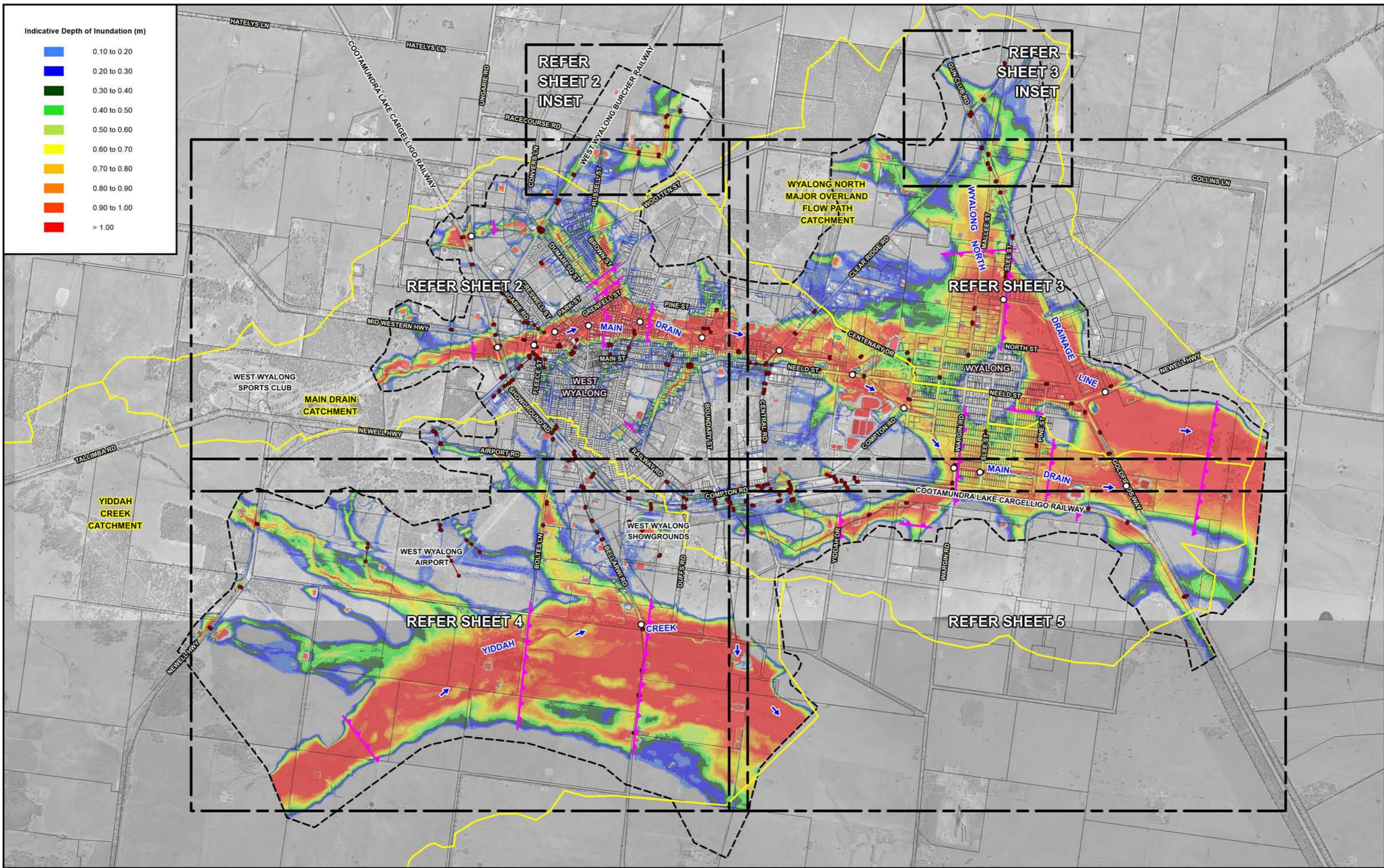
TUFLOW MODEL RESULTS  
0.2% AEP



**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) 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
  - Study Catchments
  - Peak Flow Location and Identifier
  - Peak Flood Level Location and Identifier

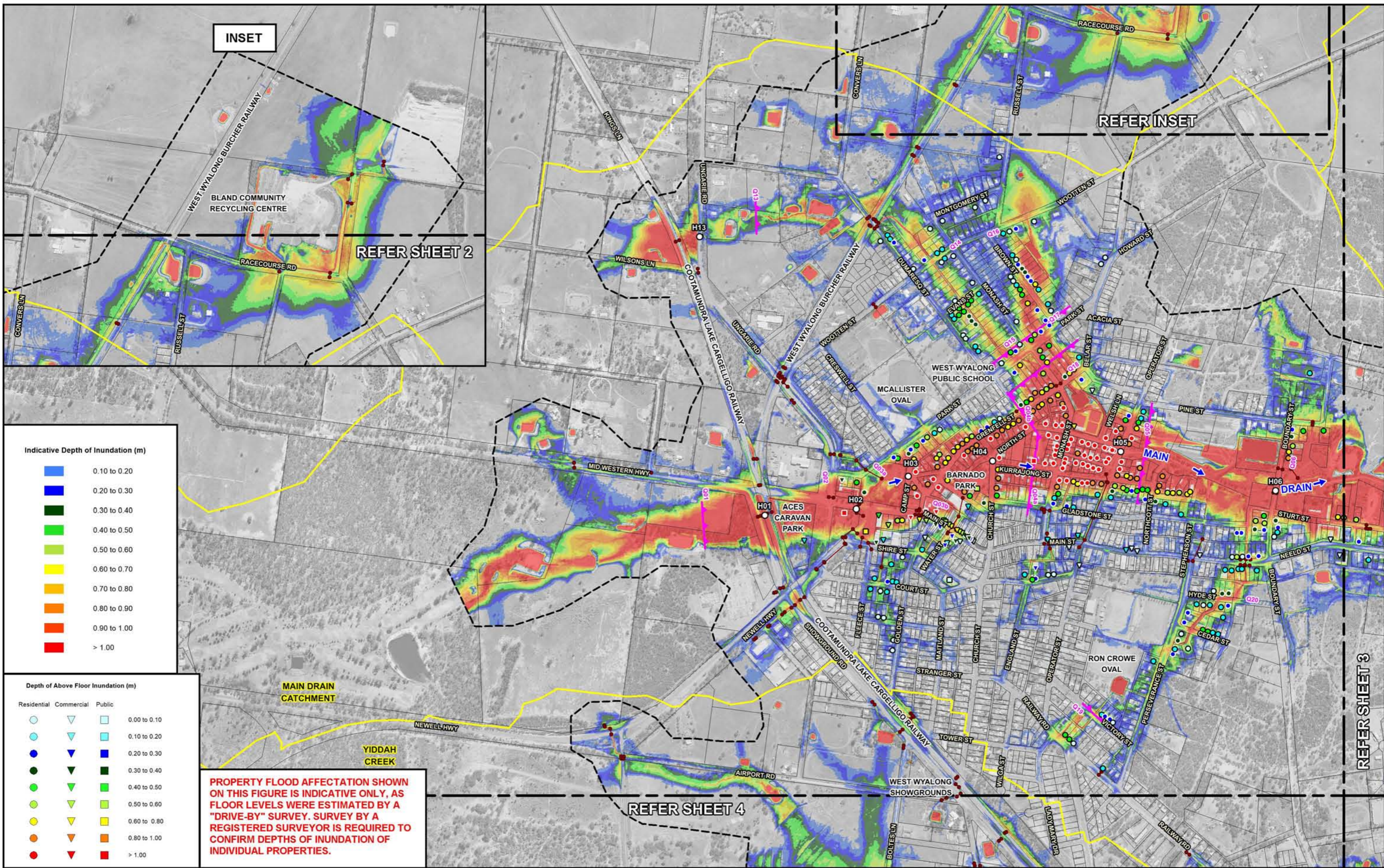
Depth of Above Floor Inundation (m)			Indicative Depth of Inundation (m)
Residential	Commercial	Public	
			0.00 to 0.10
			0.10 to 0.20
			0.20 to 0.30
			0.30 to 0.40
			0.40 to 0.50
			0.50 to 0.60
			0.60 to 0.70
			0.70 to 0.80
			0.80 to 0.90
			0.90 to 1.00
			> 1.00



**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) 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
  - Study Catchments
  - ▲— Peak Flow Location
  - Peak Flood Level Location

**WYALONG AND WEST WYALONG FLOOD STUDY**



INSET

REFER INSET

REFER SHEET 2

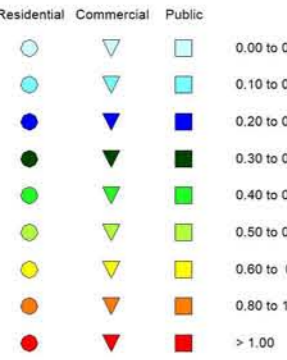
REFER SHEET 4

REFER SHEET 3

Indicative Depth of Inundation (m)



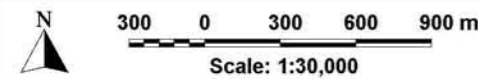
Depth of Above Floor Inundation (m)



**PROPERTY FLOOD AFFECTATION SHOWN ON THIS FIGURE IS INDICATIVE ONLY, AS FLOOR LEVELS WERE ESTIMATED BY A "DRIVE-BY" SURVEY. SURVEY BY A REGISTERED SURVEYOR IS REQUIRED TO CONFIRM DEPTHS OF INUNDATION OF INDIVIDUAL PROPERTIES.**

MAIN DRAIN CATCHMENT

YIDDAH CREEK



**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) 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.

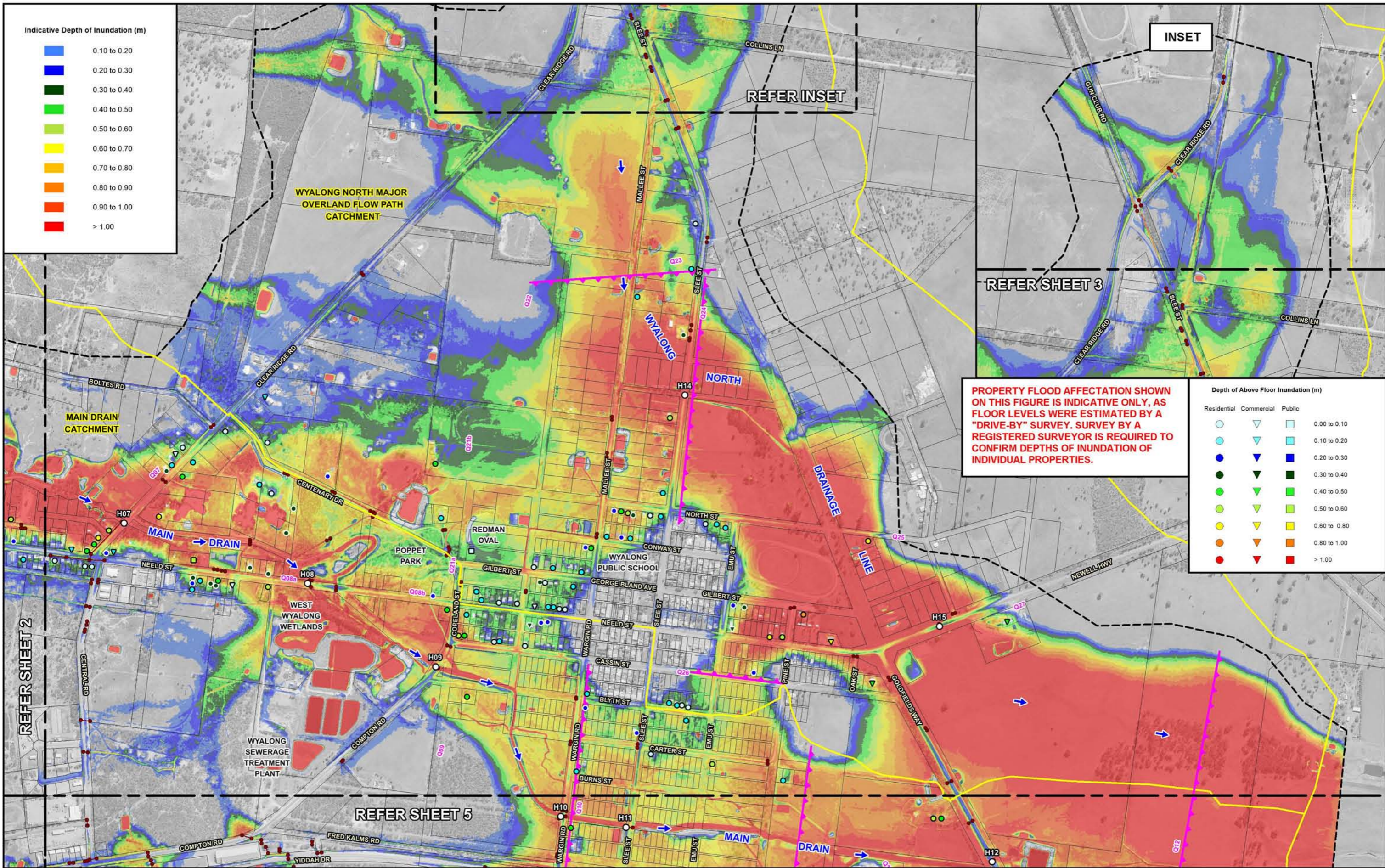
LEGEND

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Study Catchments
- Peak Flow Location and Identifier
- Peak Flood Level Location and Identifier

WYALONG AND WEST WYALONG FLOOD STUDY

Figure 6.8 (Sheet 2 of 5)





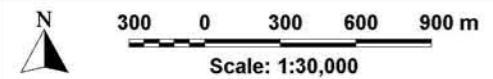
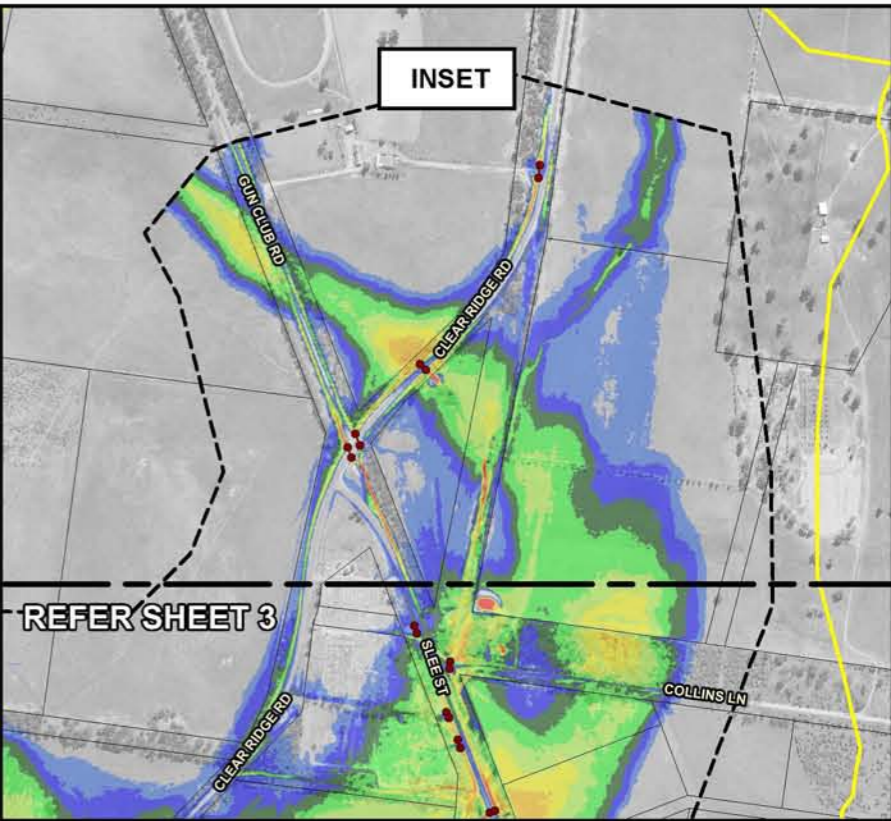
Indicative Depth of Inundation (m)

Blue	0.10 to 0.20
Dark Blue	0.20 to 0.30
Green	0.30 to 0.40
Light Green	0.40 to 0.50
Yellow	0.50 to 0.60
Orange	0.60 to 0.70
Red-Orange	0.70 to 0.80
Red	0.80 to 0.90
Dark Red	0.90 to 1.00
Red	> 1.00

PROPERTY FLOOD AFFECTATION SHOWN ON THIS FIGURE IS INDICATIVE ONLY, AS FLOOR LEVELS WERE ESTIMATED BY A "DRIVE-BY" SURVEY. SURVEY BY A REGISTERED SURVEYOR IS REQUIRED TO CONFIRM DEPTHS OF INUNDATION OF INDIVIDUAL PROPERTIES.

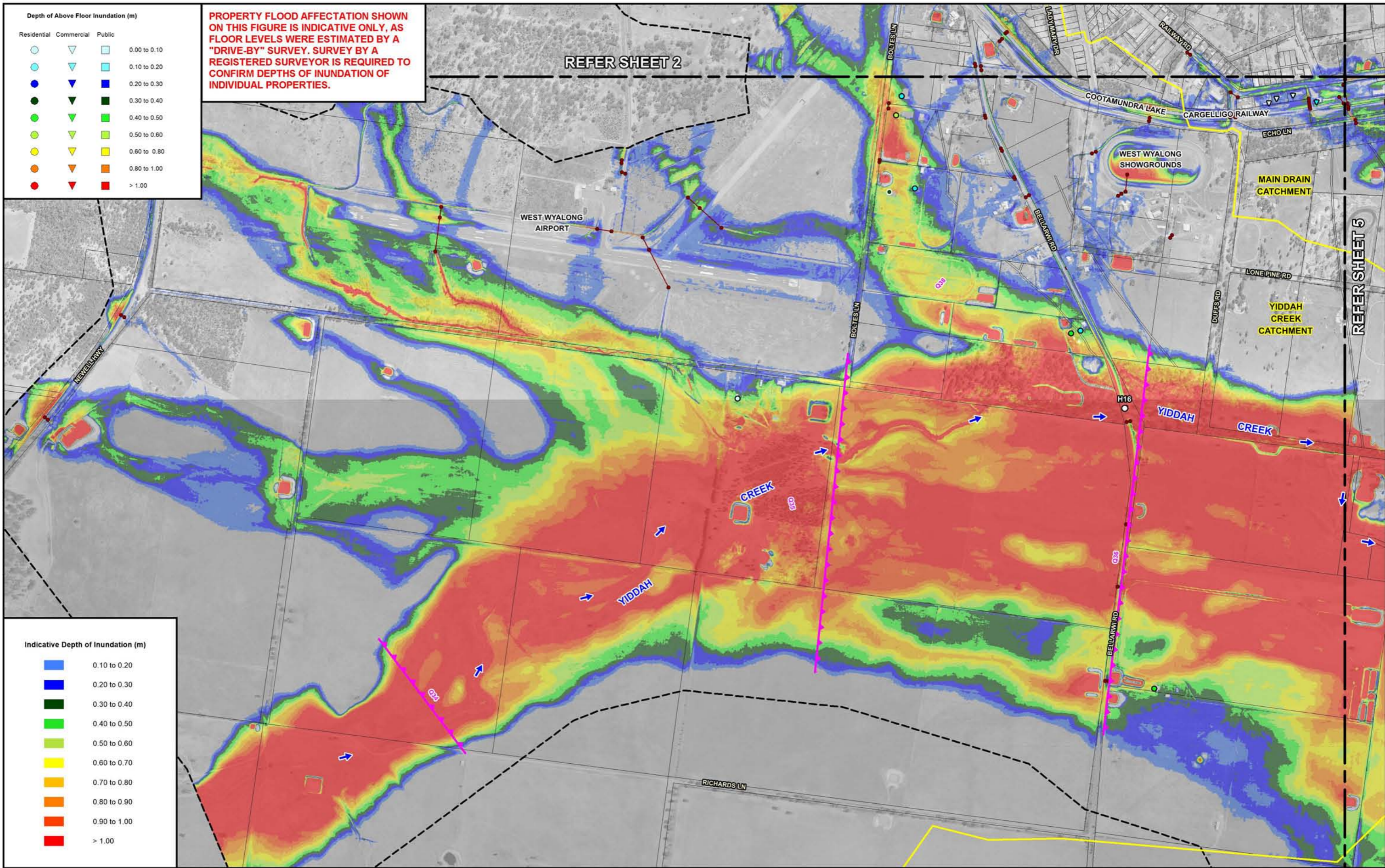
Depth of Above Floor Inundation (m)

Residential	Commercial	Public	Depth (m)
Light Blue Circle	Light Blue Triangle	Light Blue Square	0.00 to 0.10
Light Blue Circle	Light Blue Triangle	Light Blue Square	0.10 to 0.20
Blue Circle	Blue Triangle	Blue Square	0.20 to 0.30
Green Circle	Green Triangle	Green Square	0.30 to 0.40
Light Green Circle	Light Green Triangle	Light Green Square	0.40 to 0.50
Yellow Circle	Yellow Triangle	Yellow Square	0.50 to 0.60
Orange Circle	Orange Triangle	Orange Square	0.60 to 0.80
Red Circle	Red Triangle	Red Square	0.80 to 1.00
Dark Red Circle	Dark Red Triangle	Dark Red Square	> 1.00



NOTE:  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) 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
  - Study Catchments
  - Peak Flow Location and Identifier (Q22)
  - Peak Flood Level Location and Identifier (H07)



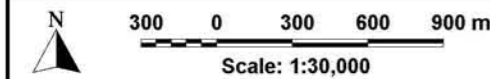
**Depth of Above Floor Inundation (m)**

Residential	Commercial	Public	Depth (m)
Light Blue Circle	Light Blue Triangle	Light Blue Square	0.00 to 0.10
Light Green Circle	Light Green Triangle	Light Green Square	0.10 to 0.20
Light Yellow Circle	Light Yellow Triangle	Light Yellow Square	0.20 to 0.30
Yellow Circle	Yellow Triangle	Yellow Square	0.30 to 0.40
Orange Circle	Orange Triangle	Orange Square	0.40 to 0.50
Red Circle	Red Triangle	Red Square	0.50 to 0.60
Dark Red Circle	Dark Red Triangle	Dark Red Square	0.60 to 0.80
Black Circle	Black Triangle	Black Square	0.80 to 1.00
White Circle	White Triangle	White Square	> 1.00

**PROPERTY FLOOD AFFECTATION SHOWN ON THIS FIGURE IS INDICATIVE ONLY, AS FLOOR LEVELS WERE ESTIMATED BY A "DRIVE-BY" SURVEY. SURVEY BY A REGISTERED SURVEYOR IS REQUIRED TO CONFIRM DEPTHS OF INUNDATION OF INDIVIDUAL PROPERTIES.**

**Indicative Depth of Inundation (m)**

Light Blue	0.10 to 0.20
Blue	0.20 to 0.30
Dark Blue	0.30 to 0.40
Green	0.40 to 0.50
Light Green	0.50 to 0.60
Yellow	0.60 to 0.70
Orange	0.70 to 0.80
Red	0.80 to 0.90
Dark Red	0.90 to 1.00
Black	> 1.00

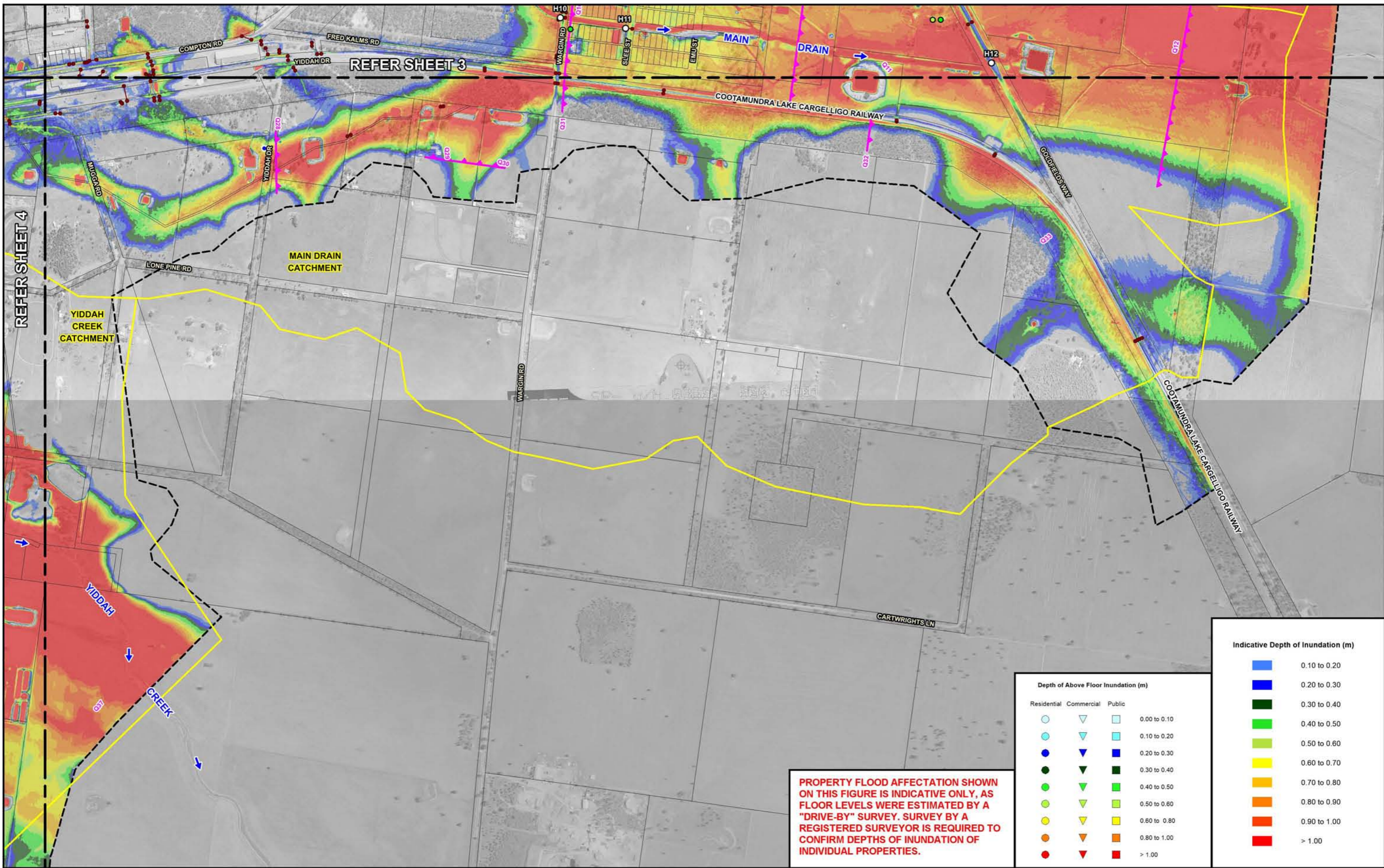


**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.  
 Flood depths are therefore approximate only and 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
  - Study Catchments
  - Peak Flow Location and Identifier
  - Peak Flood Level Location and Identifier

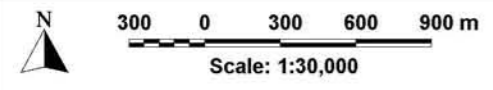
**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 6.8  
(Sheet 4 of 5)



**PROPERTY FLOOD AFFECTATION SHOWN ON THIS FIGURE IS INDICATIVE ONLY, AS FLOOR LEVELS WERE ESTIMATED BY A "DRIVE-BY" SURVEY. SURVEY BY A REGISTERED SURVEYOR IS REQUIRED TO CONFIRM DEPTHS OF INUNDATION OF INDIVIDUAL PROPERTIES.**

Depth of Above Floor Inundation (m)			Indicative Depth of Inundation (m)
Residential	Commercial	Public	
○	▽	□	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



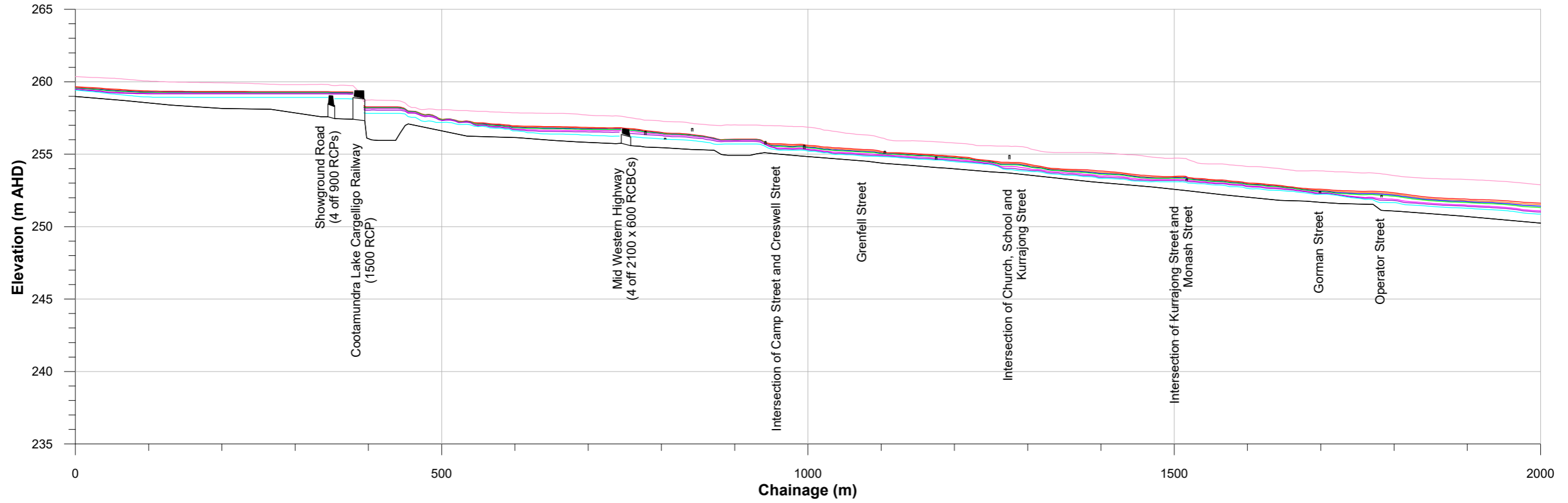
**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.  
 Flood depths are therefore approximate only and 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
  - Study Catchments
  - Q37 Peak Flow Location and Identifier
  - Q32 Peak Flood Level Location and Identifier

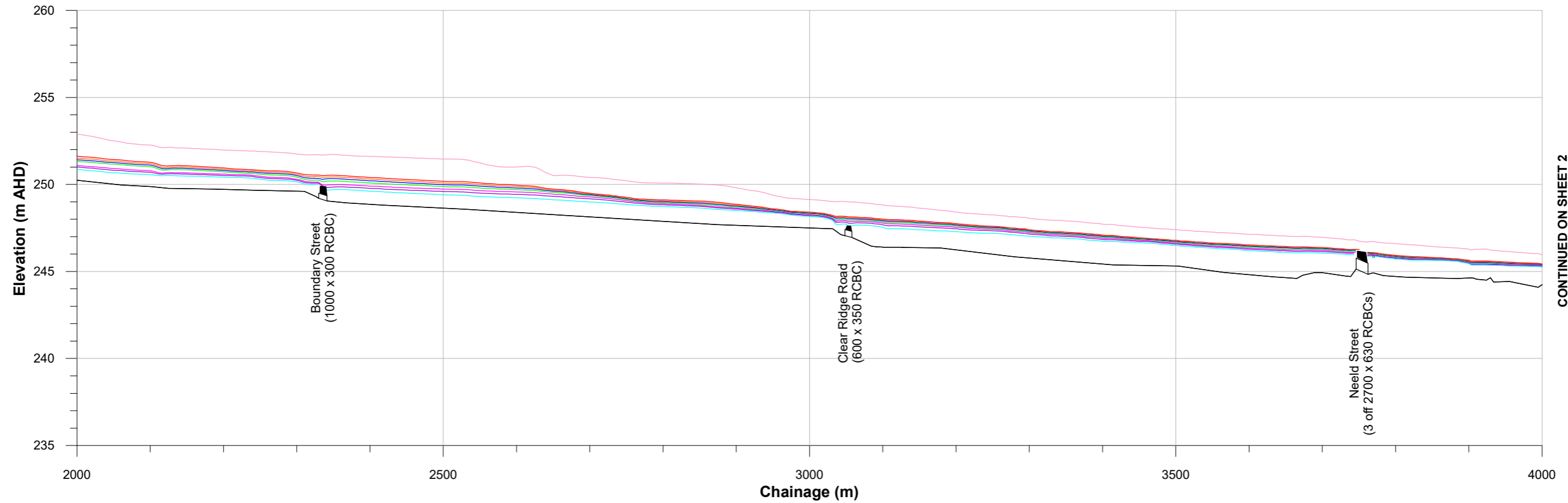
**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 6.8  
(Sheet 5 of 5)

THE MAIN DRAIN



THE MAIN DRAIN



LEGEND

- PMF
- 0.2% AEP
- 0.5% AEP
- 1% AEP
- 2% AEP
- 5% AEP
- 10% AEP
- 20% AEP

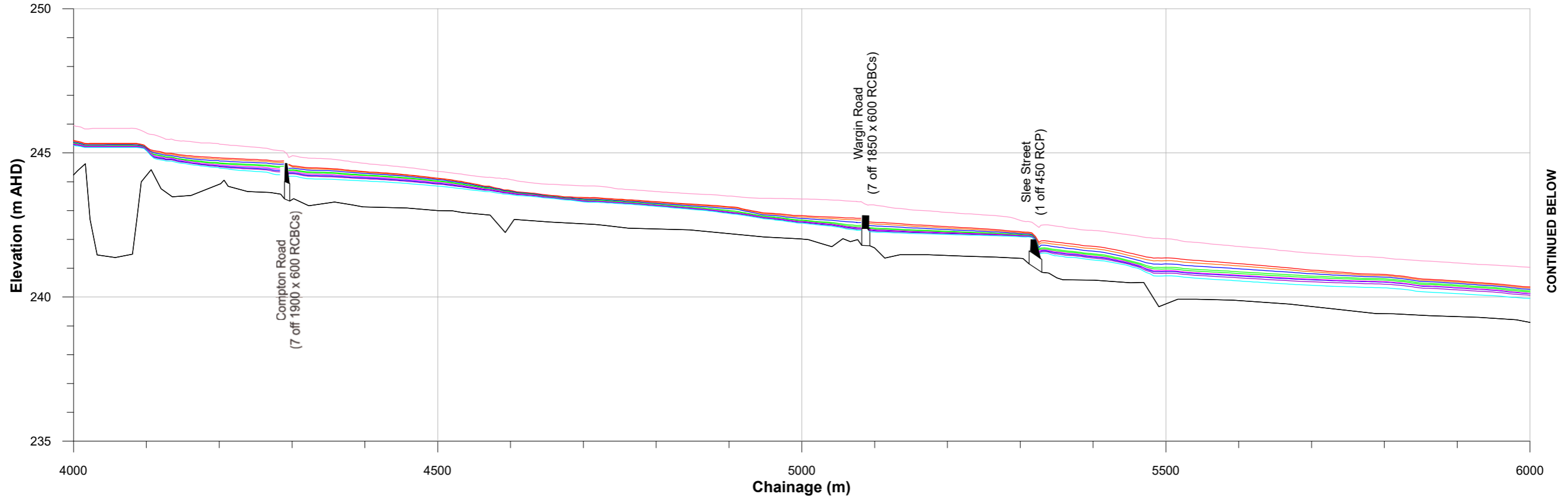
WYALONG AND WEST WYALONG  
FLOOD STUDY

Figure 6.9  
(Sheet 1 of 2)

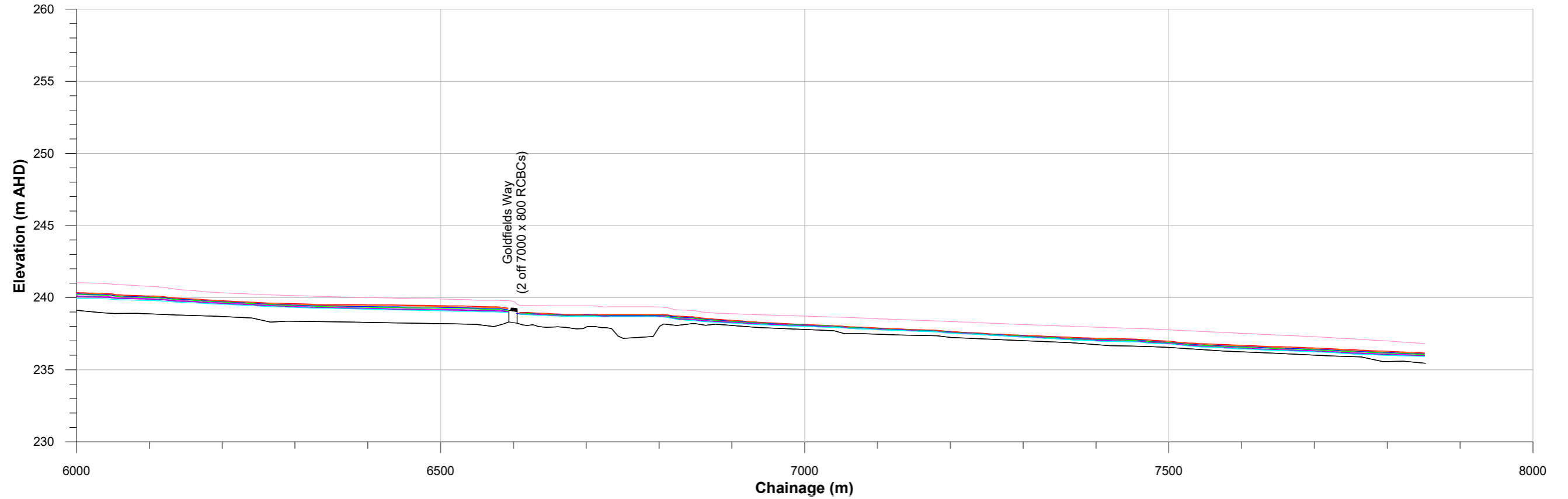
WATER SURFACE PROFILES  
DESIGN STORM EVENTS



THE MAIN DRAIN



THE MAIN DRAIN



LEGEND

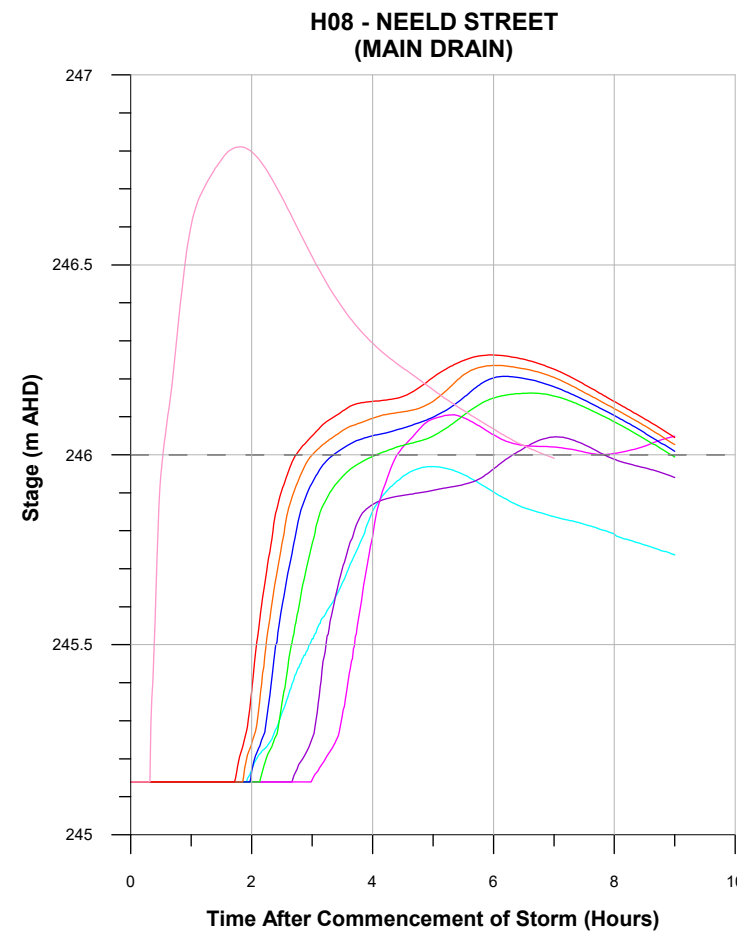
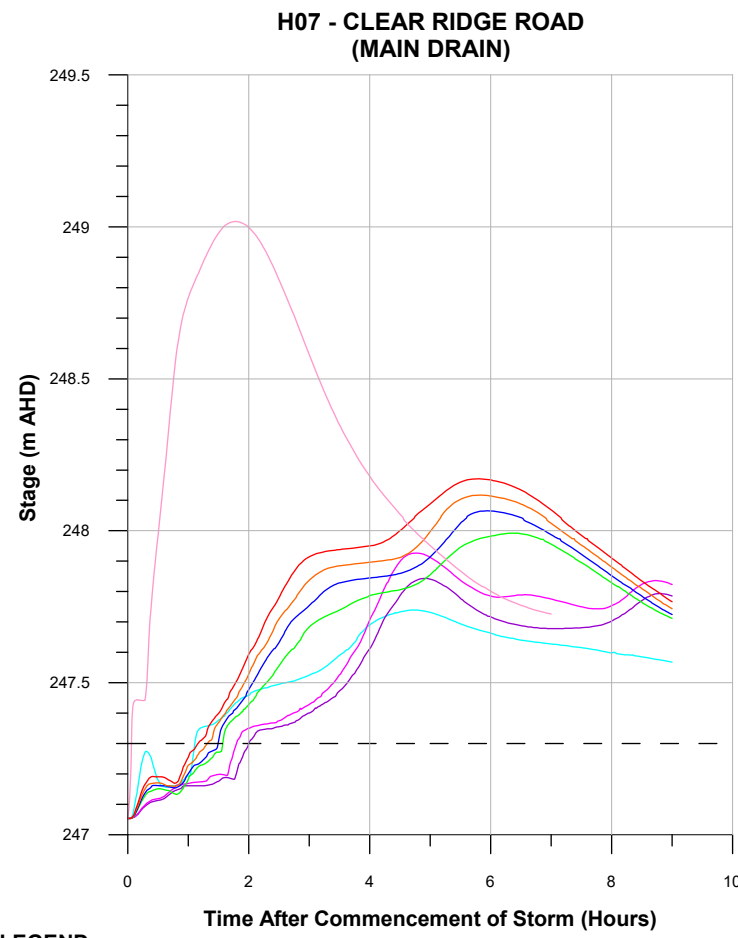
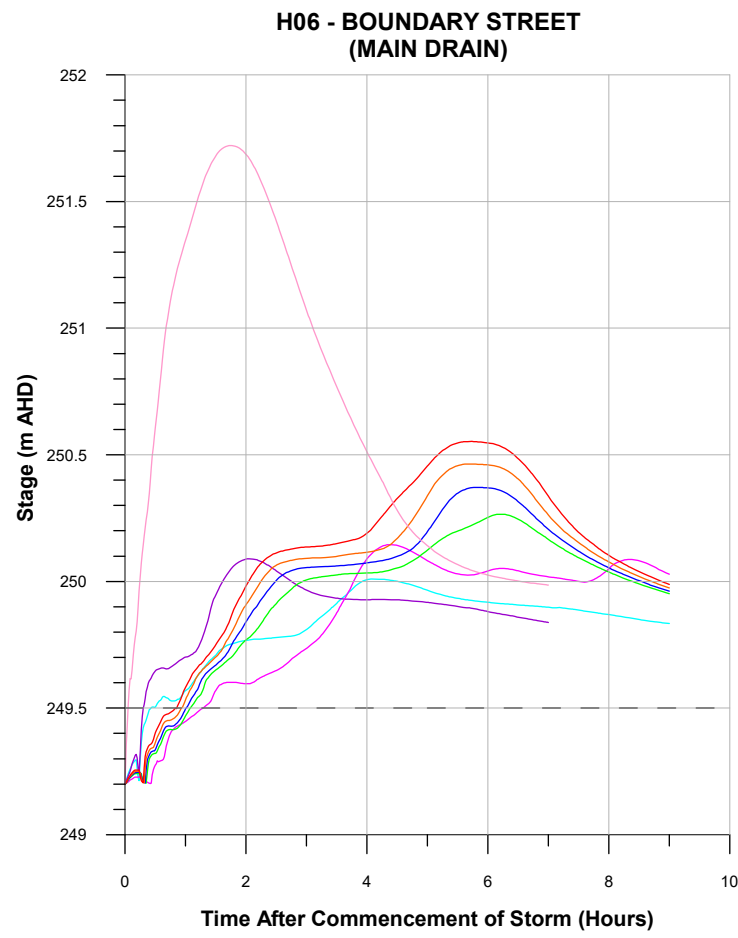
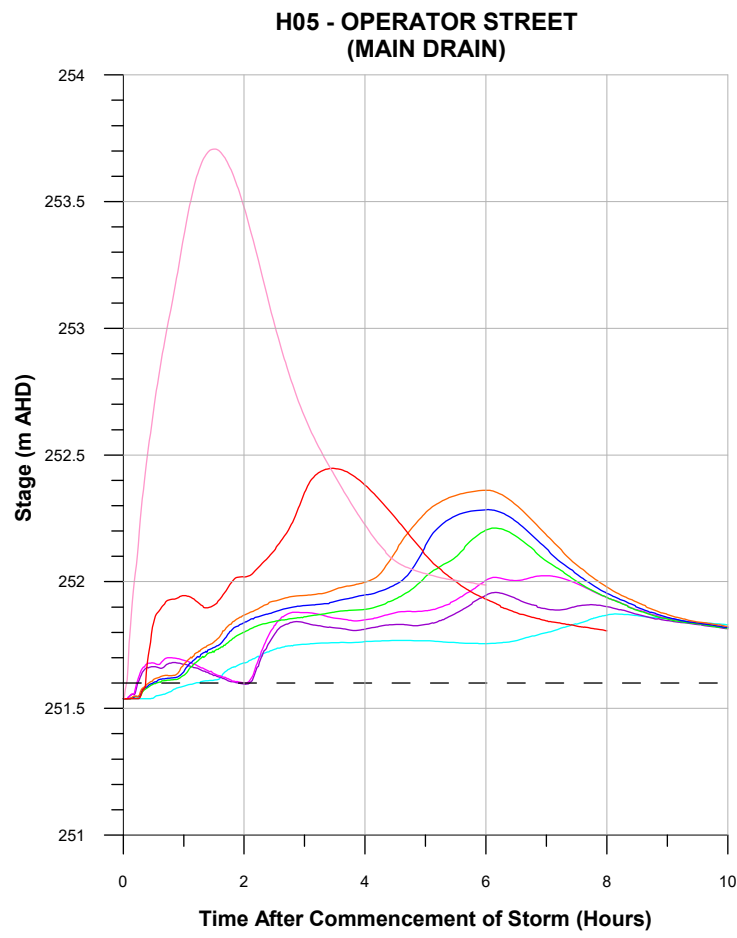
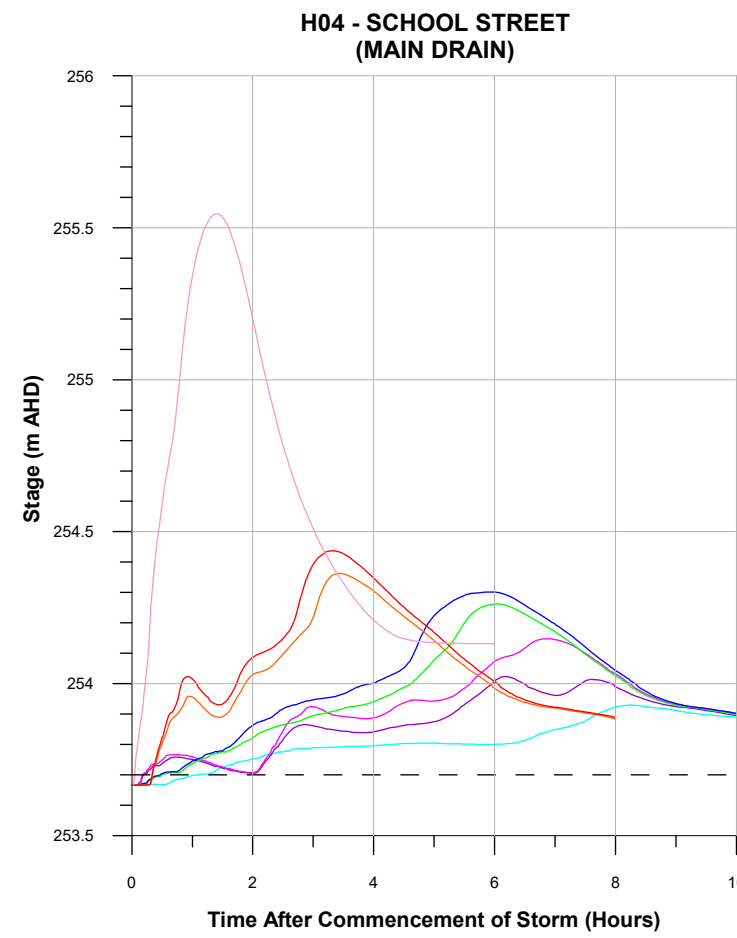
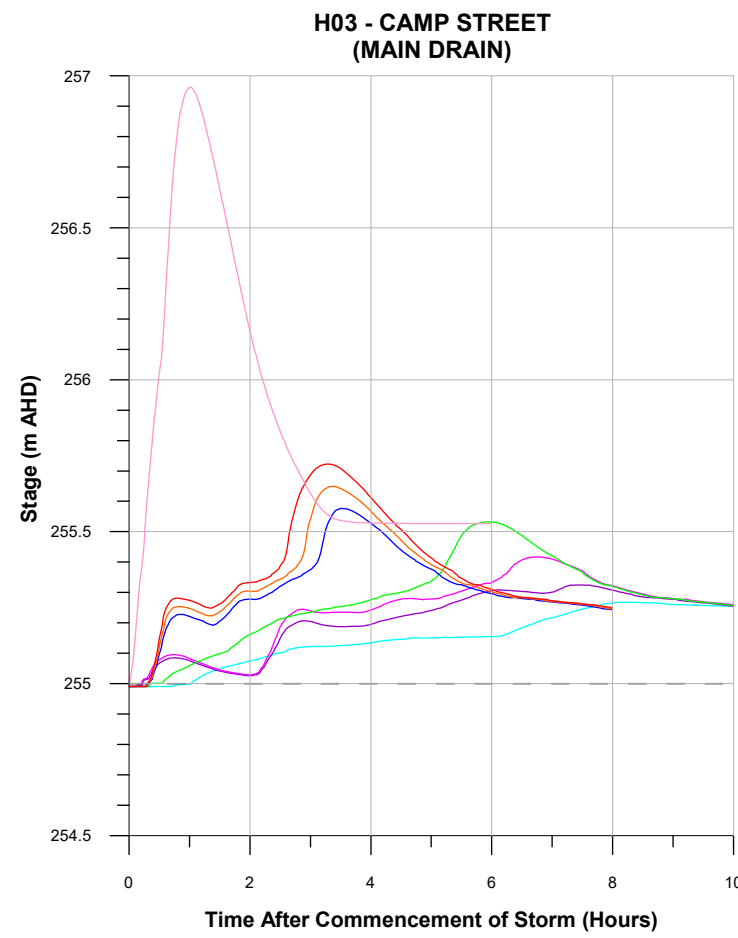
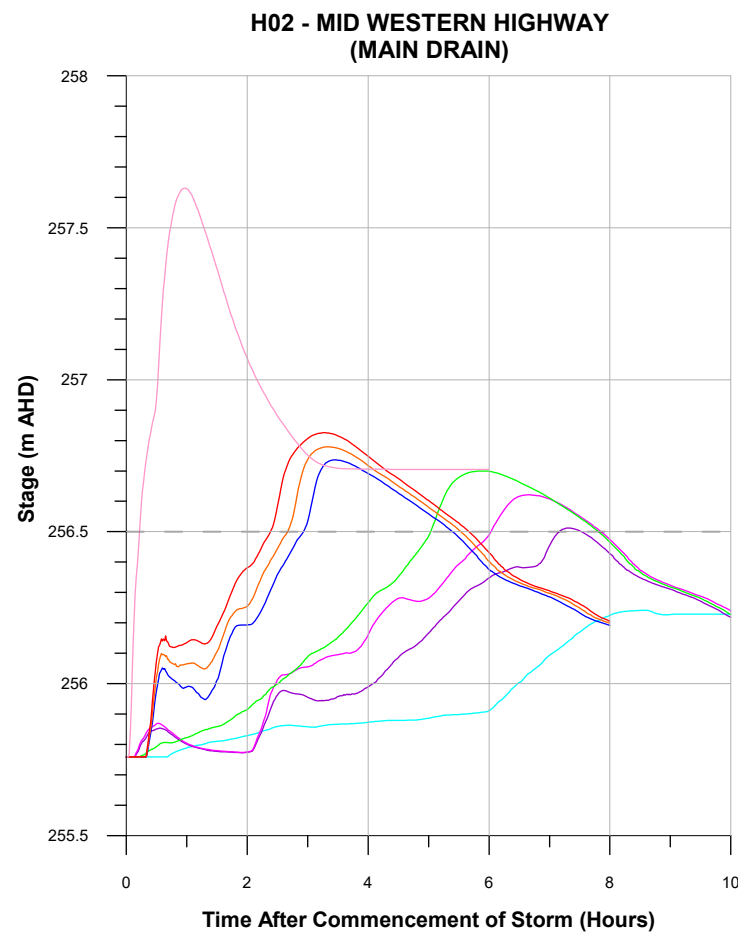
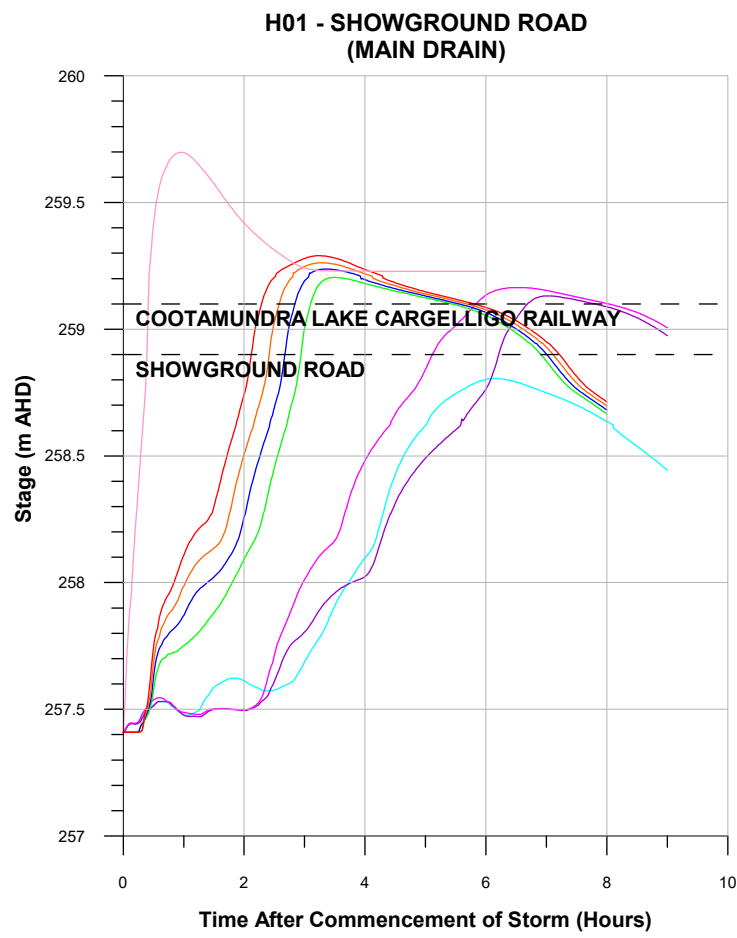
	PMF		2% AEP
	0.2% AEP		5% AEP
	0.5% AEP		10% AEP
	1% AEP		20% AEP

WYALONG AND WEST WYALONG  
FLOOD STUDY

Figure 6.9  
(Sheet 2 of 2)

WATER SURFACE PROFILES  
DESIGN STORM EVENTS





**LEGEND**

- Road
- PMF
- 0.2% AEP
- 0.5% AEP
- 1% AEP
- 2% AEP
- 5% AEP
- 10% AEP
- 20% AEP

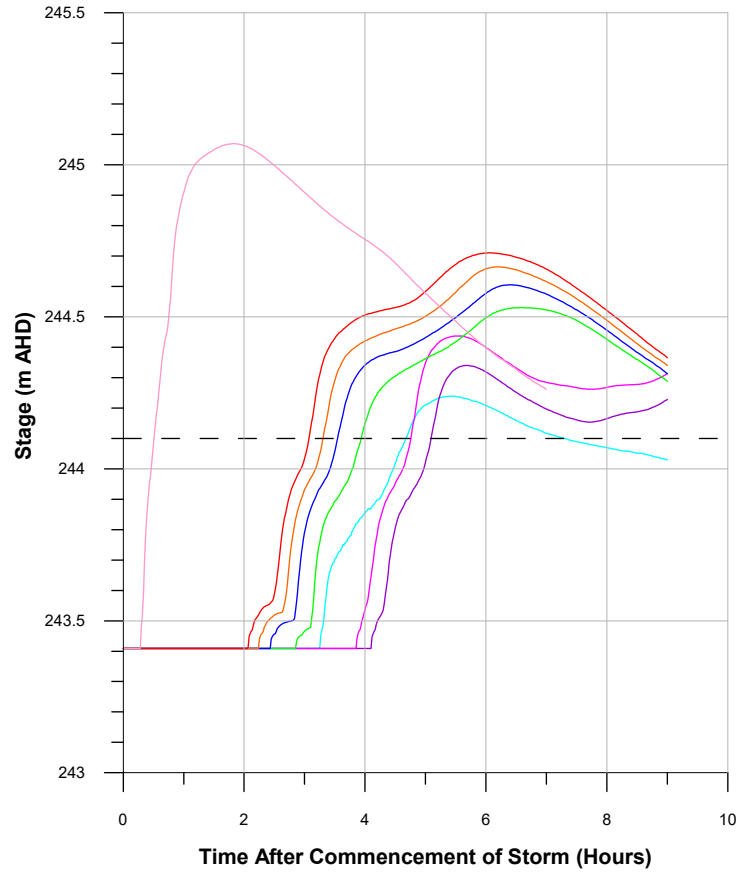


**WYALONG AND WEST WYALONG FLOOD STUDY**

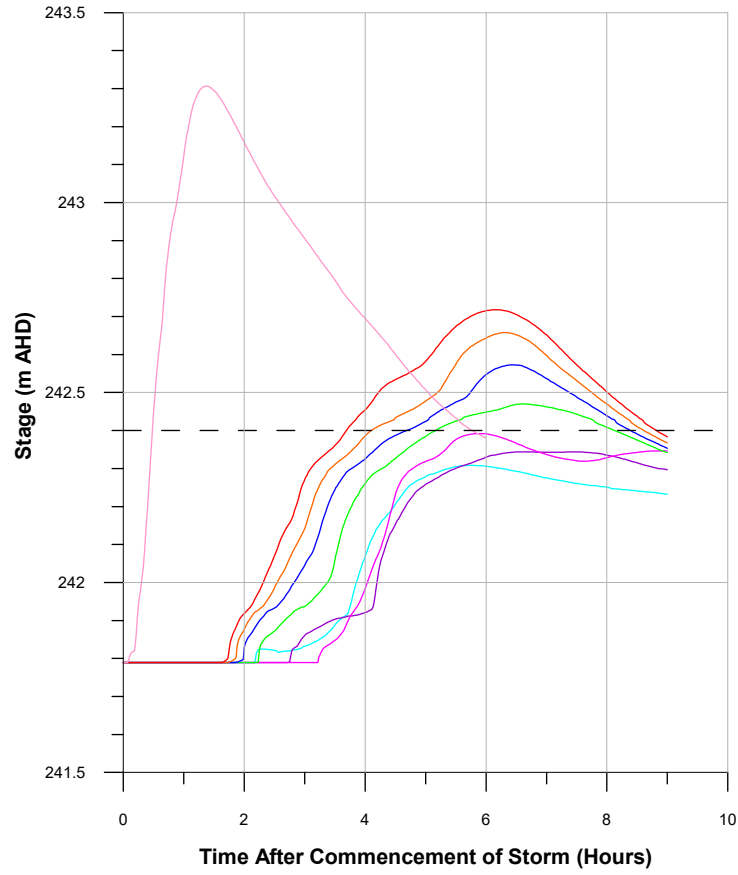
Figure 6.10  
(Sheet 1 of 2)

STAGE HYDROGRAPHS  
DESIGN STORM EVENTS

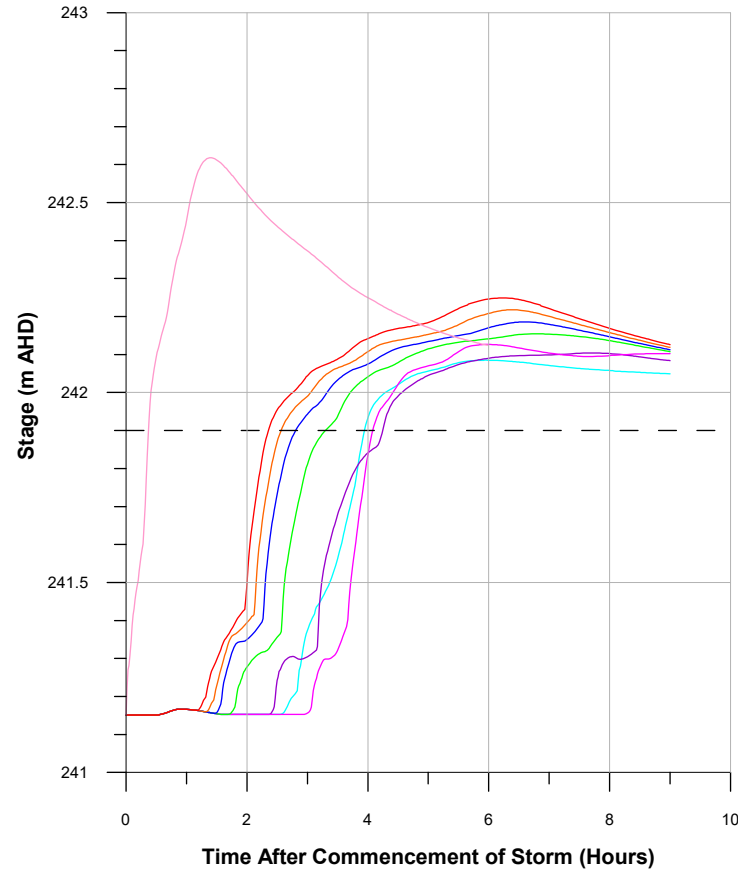
H09 - COMPTON ROAD  
(MAIN DRAIN)



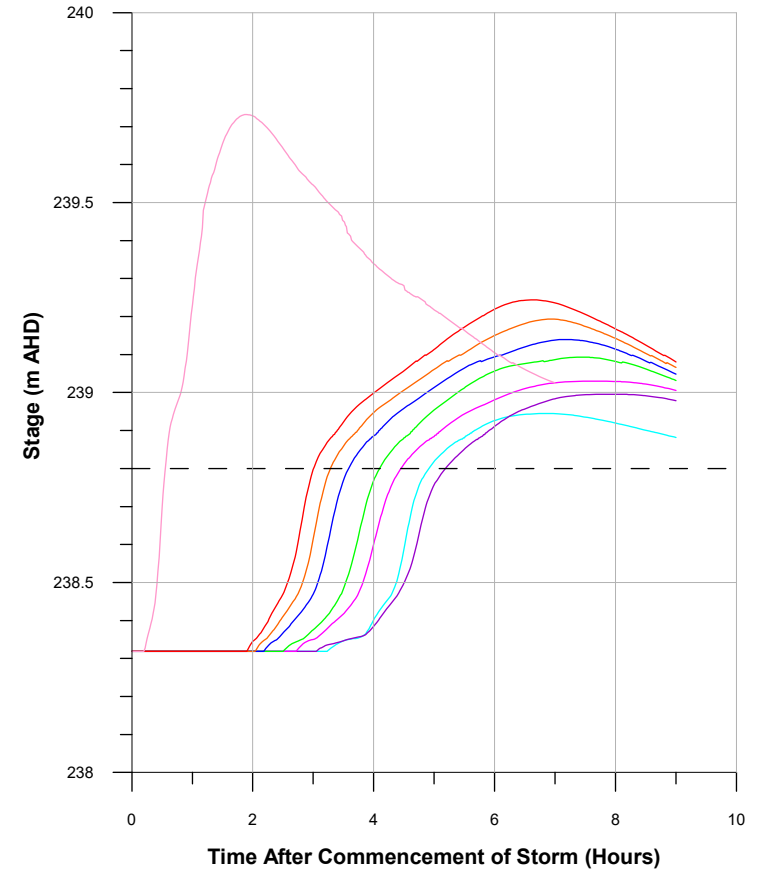
H10 - WARGIN ROAD  
(MAIN DRAIN)



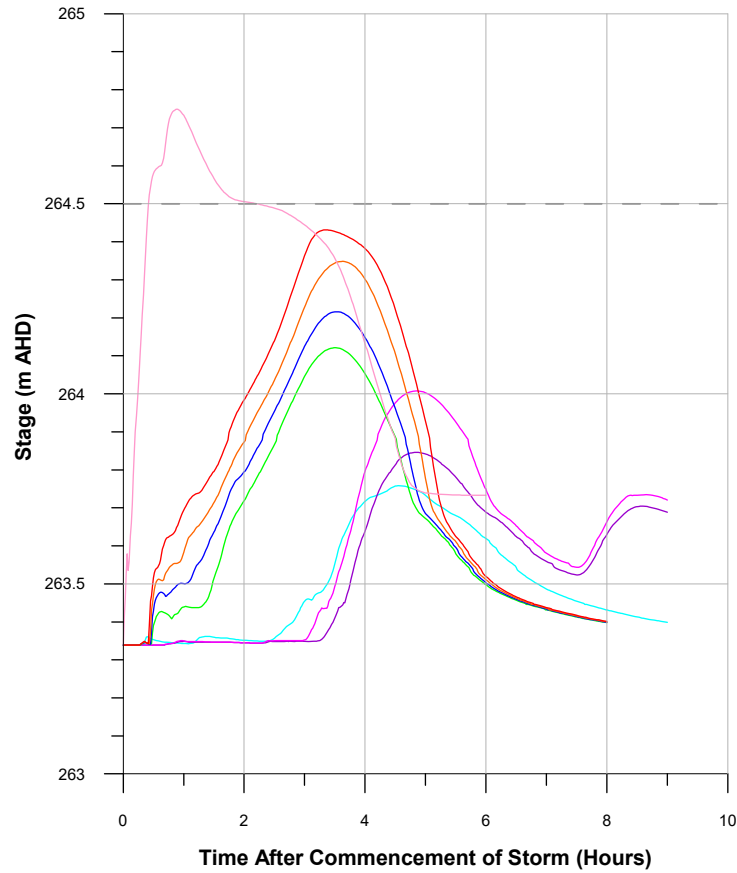
H11 - SLEE STREET  
(MAIN DRAIN)



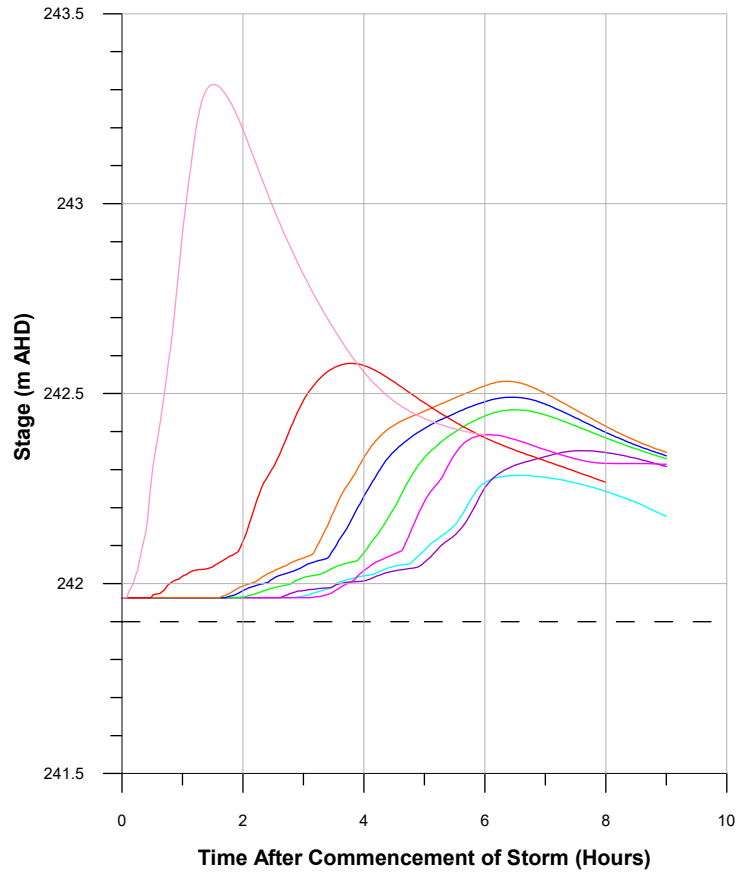
H12 - GOLDFIELDS WAY  
(MAIN DRAIN)



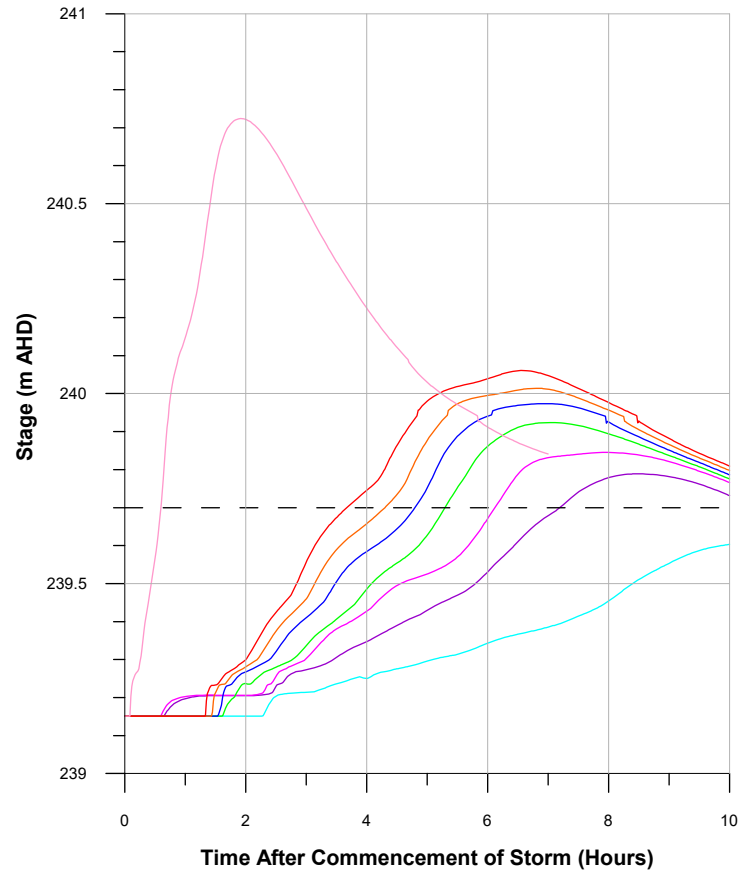
H13 - UNGARIE ROAD  
(OVERLAND FLOW)



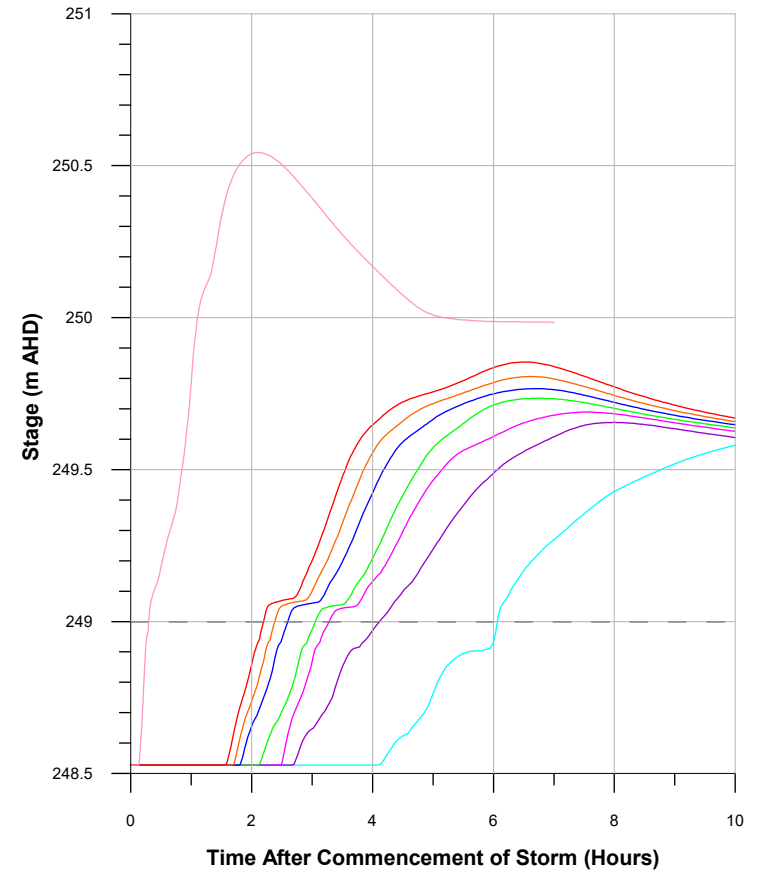
H14 - SLEE STREET  
(WYALONG NORTH MAJOR  
OVERLAND FLOW PATH)



H15 - NEWELL HIGHWAY  
(WYALONG NORTH MAJOR  
OVERLAND FLOW PATH)



H16 - BELLARWI ROAD  
(YIDDAH CREEK)



LEGEND

- Road
- PMF
- 0.2% AEP
- 0.5% AEP
- 1% AEP
- 2% AEP
- 5% AEP
- 10% AEP
- 20% AEP

WYALONG AND WEST WYALONG  
FLOOD STUDY

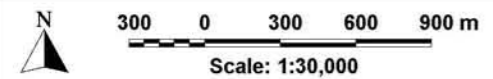
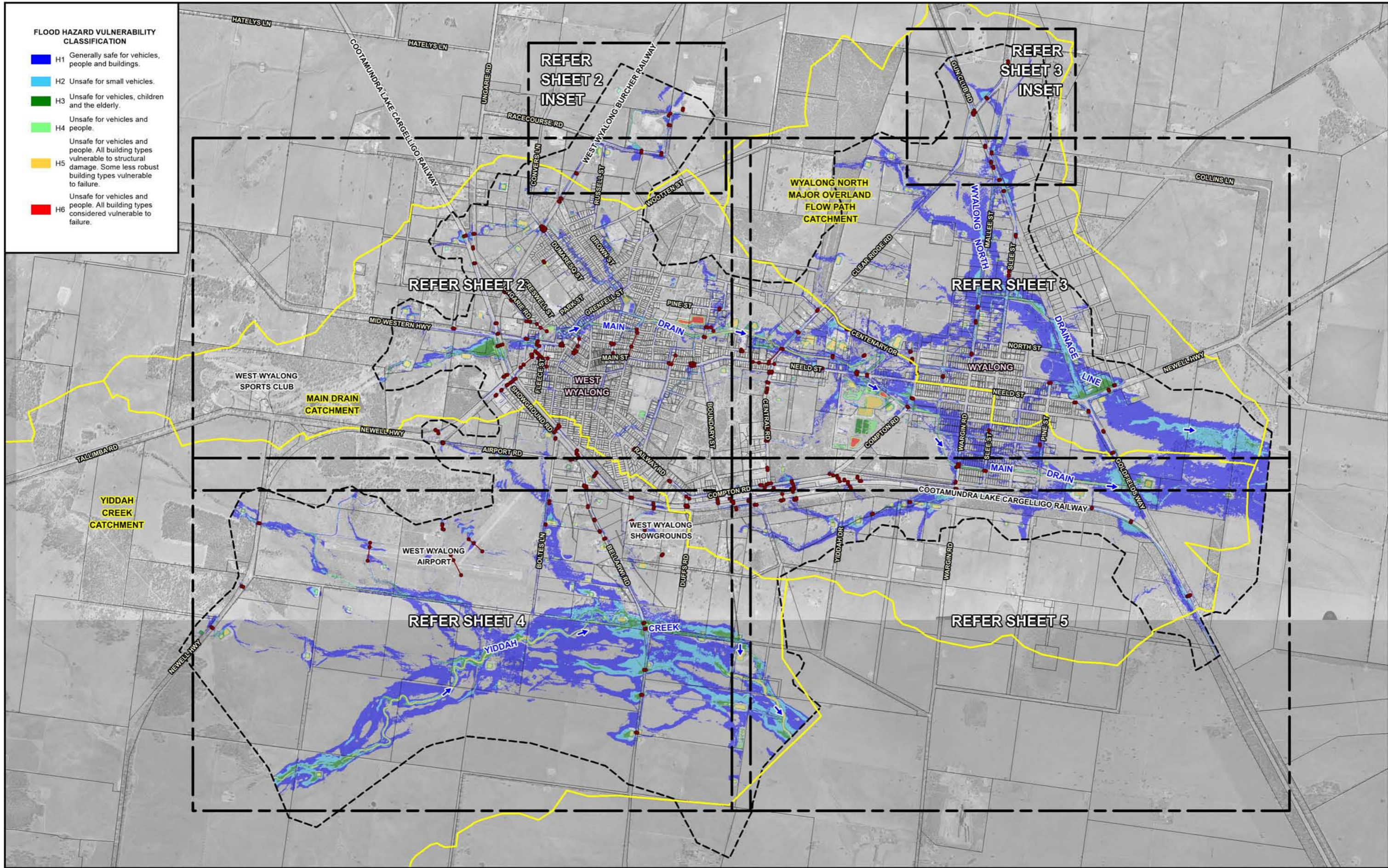
Figure 6.10  
(Sheet 2 of 2)

STAGE HYDROGRAPHS  
DESIGN STORM EVENTS



**FLOOD HAZARD VULNERABILITY CLASSIFICATION**

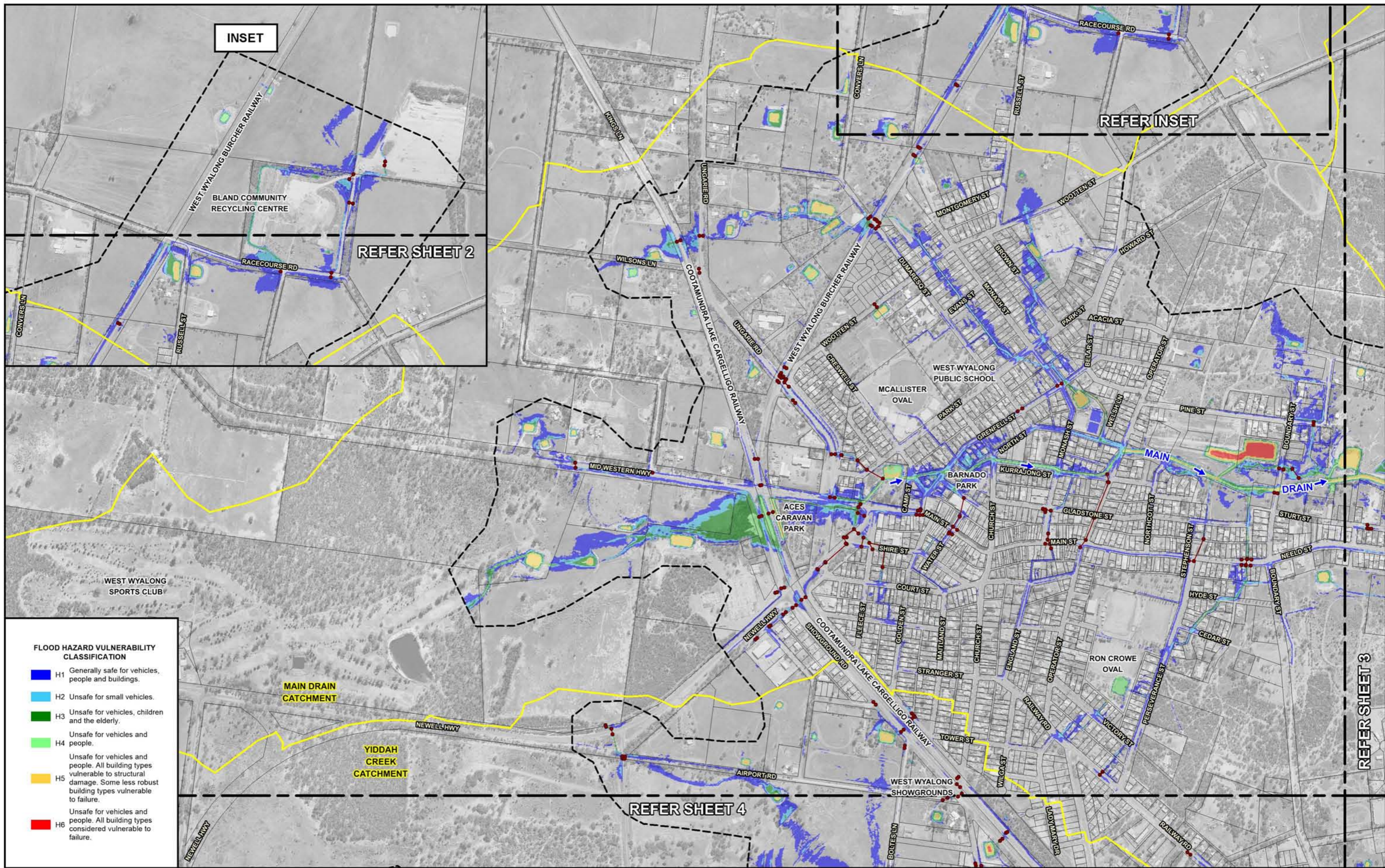
- H1 Generally safe for vehicles, people and buildings.
- H2 Unsafe for small vehicles.
- H3 Unsafe for vehicles, children and the elderly.
- H4 Unsafe for vehicles and people.
- H5 Unsafe for vehicles and people. All building types vulnerable to structural damage. Some less robust building types vulnerable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



**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) 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.

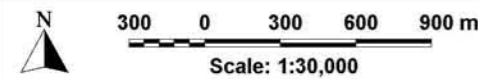
- LEGEND**
- Modelled Stormwater Drainage System
  - Study Catchments
  - Two-Dimensional Model Boundary





**FLOOD HAZARD VULNERABILITY CLASSIFICATION**

- H1 Generally safe for vehicles, people and buildings.
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Flood depths not shown within the footprint of existing buildings.

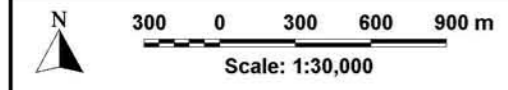
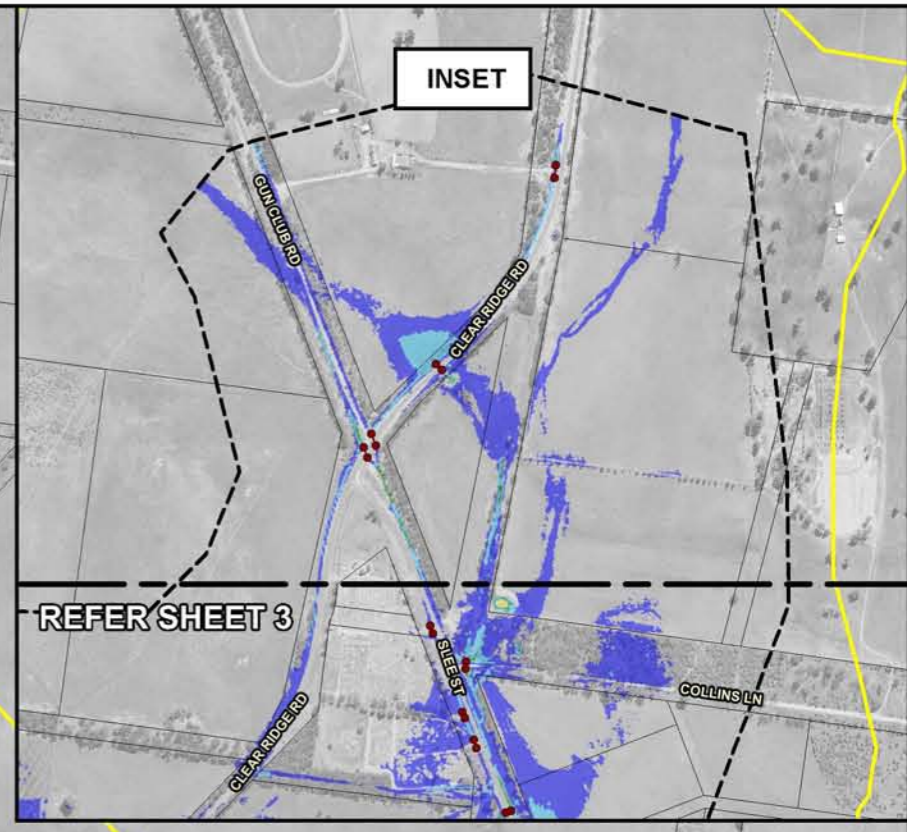
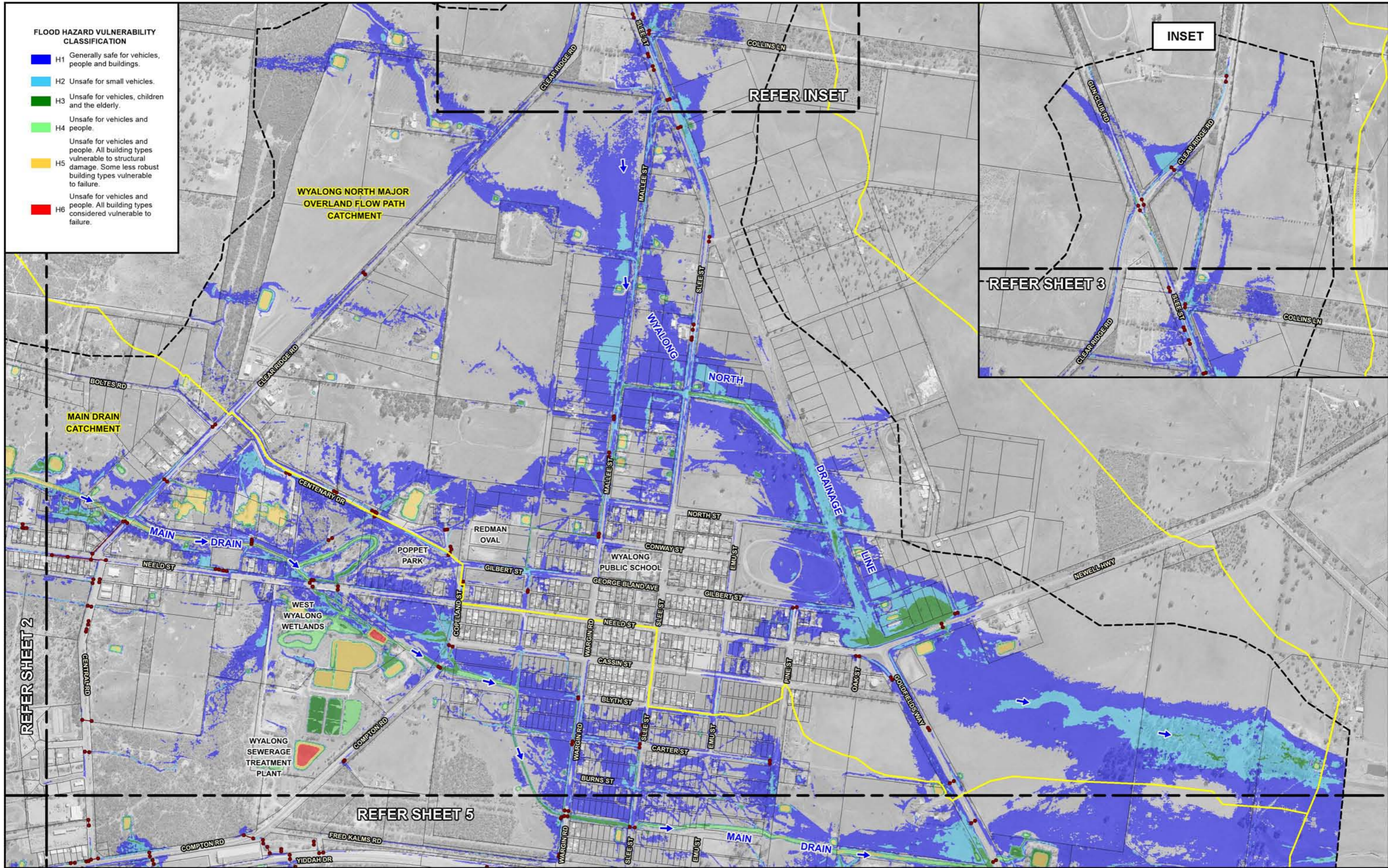
- LEGEND**
- Modelled Stormwater Drainage System
  - Study Catchments
  - Two-Dimensional Model Boundary

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 6.11  
(Sheet 2 of 5)

**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.



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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.  
 Flood depths not shown within the footprint of existing buildings.

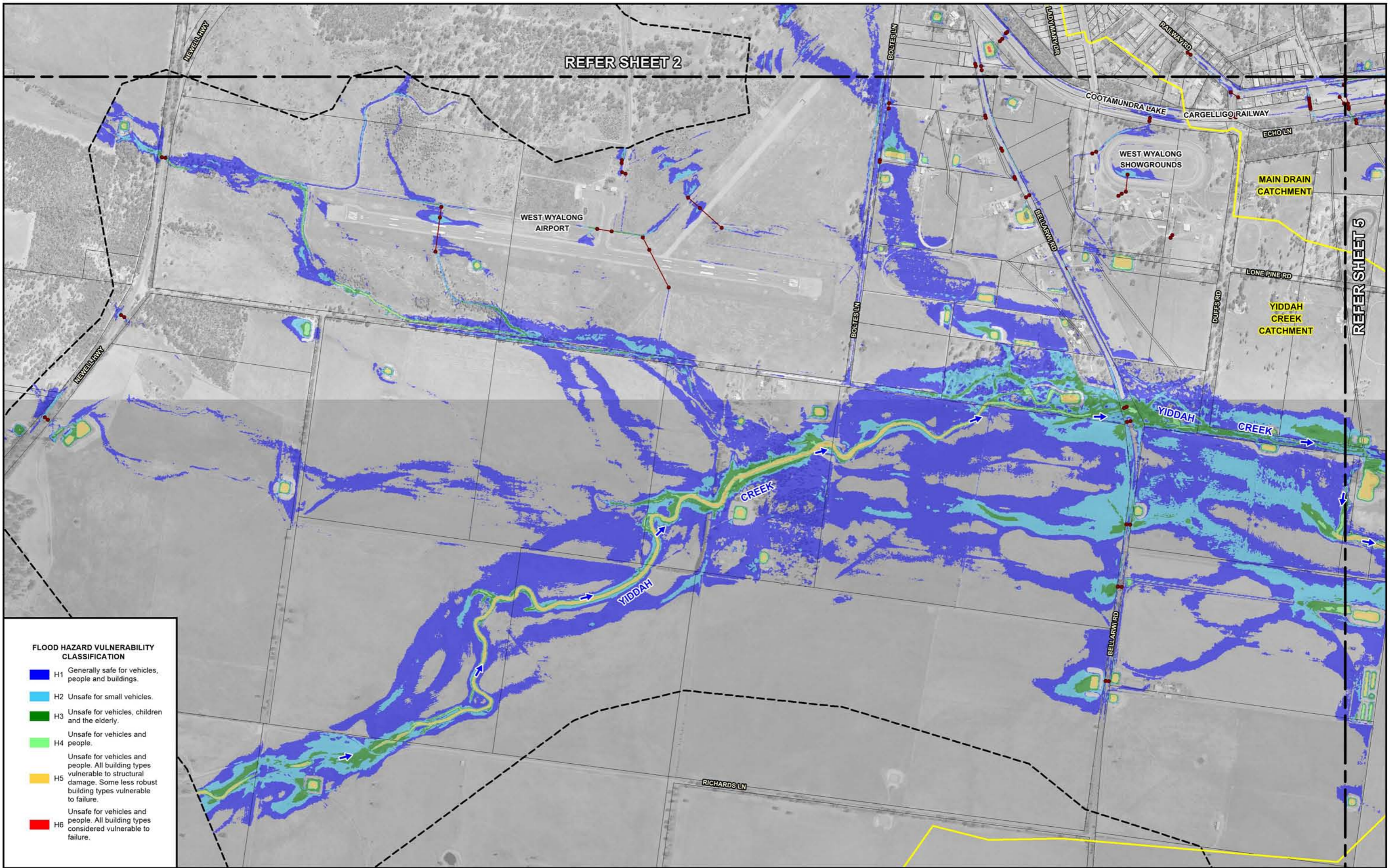
- LEGEND**
- Modelled Stormwater Drainage System
  - Study Catchments
  - Two-Dimensional Model Boundary



**WYALONG AND WEST WYALONG FLOOD STUDY**

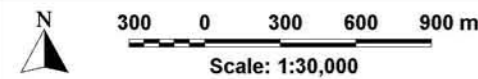
Figure 6.11  
(Sheet 3 of 5)

FLOOD HAZARD VULNERABILITY CLASSIFICATION  
5% AEP



**FLOOD HAZARD VULNERABILITY CLASSIFICATION**

- H1 Generally safe for vehicles, people and buildings.
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- H4 Unsafe for vehicles and people.
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 Flood depths not shown within the footprint of existing buildings.

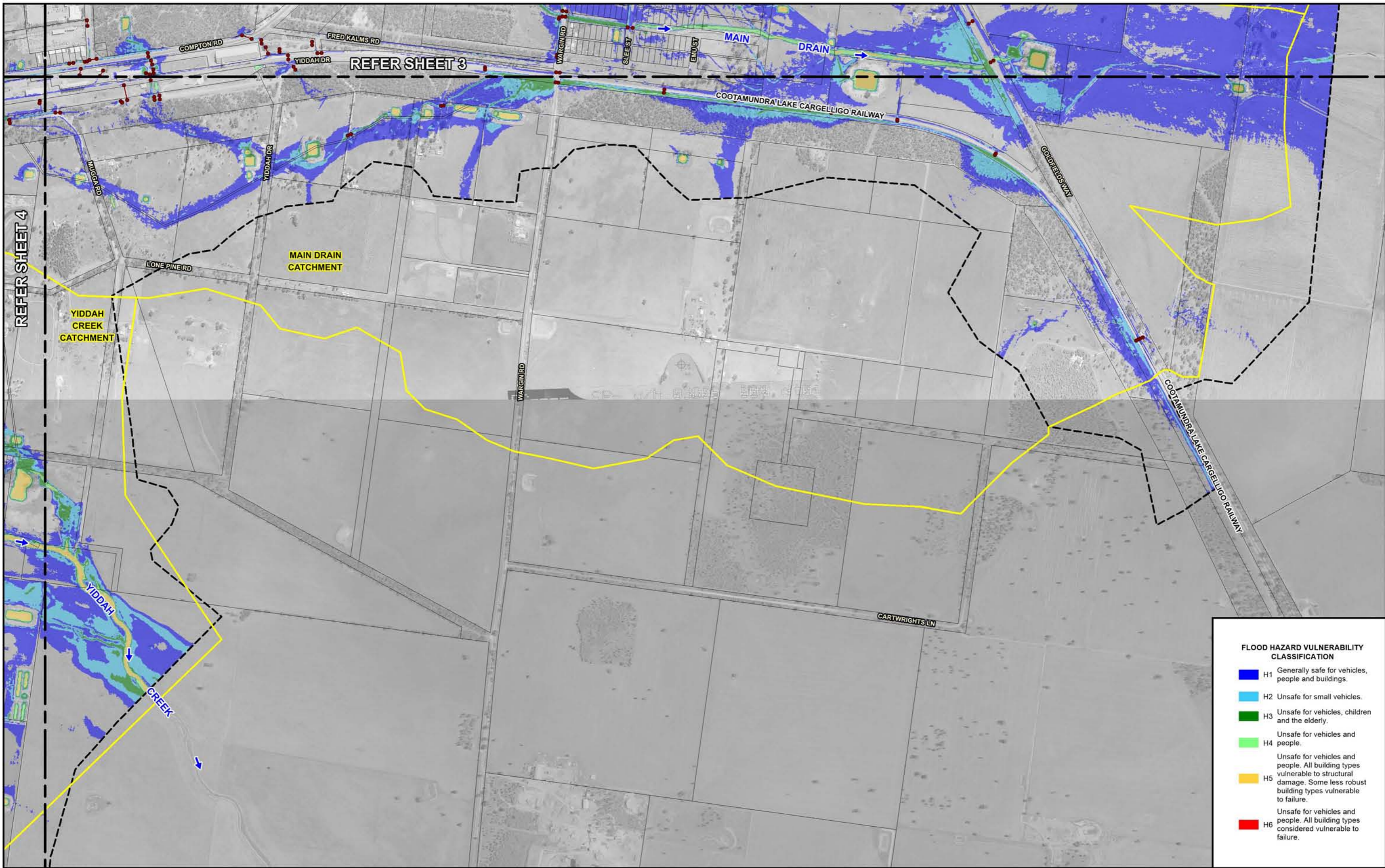
- LEGEND**
- Modelled Stormwater Drainage System
  - Study Catchments
  - Two-Dimensional Model Boundary

**Lyall & Associates**

**WYALONG AND WEST WYALONG FLOOD STUDY**

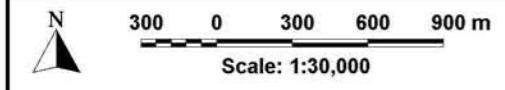
Figure 6.11  
 (Sheet 4 of 5)

FLOOD HAZARD VULNERABILITY CLASSIFICATION  
 5% AEP



**FLOOD HAZARD VULNERABILITY CLASSIFICATION**

<span style="color: blue;">■</span>	H1	Generally safe for vehicles, people and buildings.
<span style="color: lightblue;">■</span>	H2	Unsafe for small vehicles.
<span style="color: green;">■</span>	H3	Unsafe for vehicles, children and the elderly.
<span style="color: lightgreen;">■</span>	H4	Unsafe for vehicles and people.
<span style="color: yellow;">■</span>	H5	Unsafe for vehicles and people. All building types vulnerable to structural damage. Some less robust building types vulnerable to failure.
<span style="color: red;">■</span>	H6	Unsafe for vehicles and people. All building types considered vulnerable to failure.



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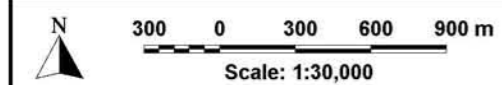
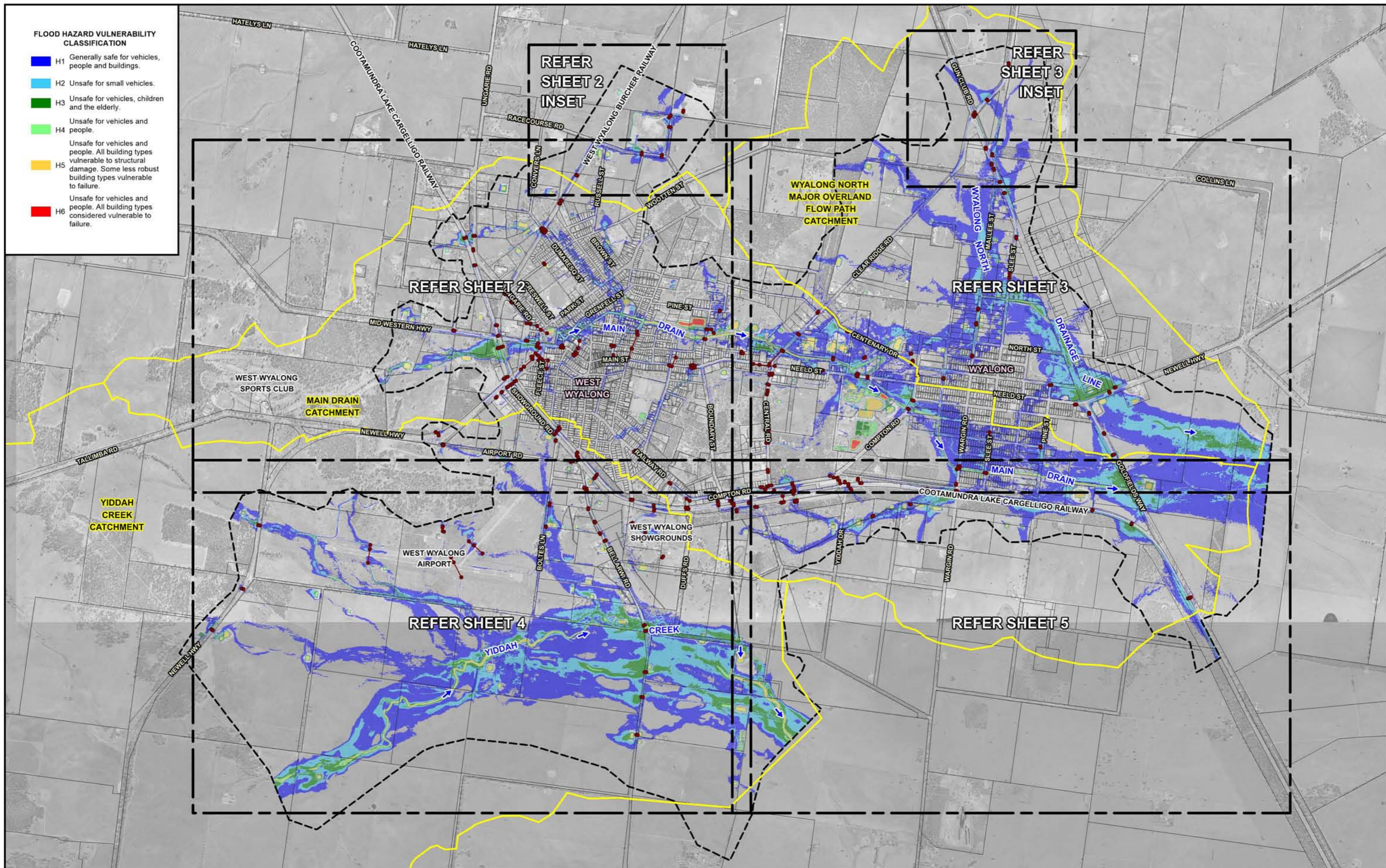
**LEGEND**

<span style="color: red;">—●—</span>	Modelled Stormwater Drainage System	<span style="border: 2px solid yellow;"> </span>	Study Catchments
<span style="border-top: 2px dashed black;"> </span>	Two-Dimensional Model Boundary		

**WYALONG AND WEST WYALONG FLOOD STUDY**

**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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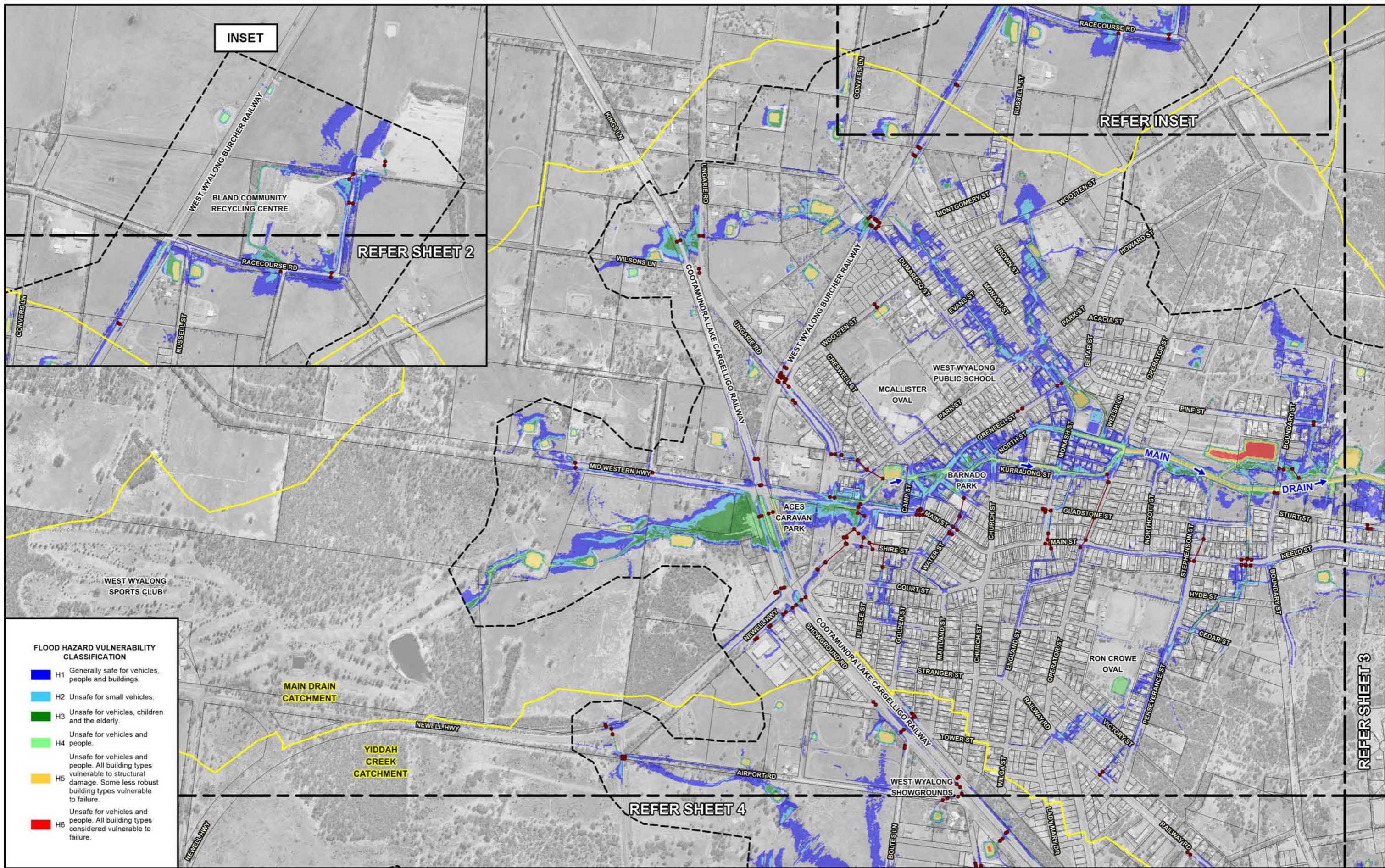
**NOTE:**  
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- LEGEND**
- Modelled Stormwater Drainage System
  - Study Catchments
  - Two-Dimensional Model Boundary



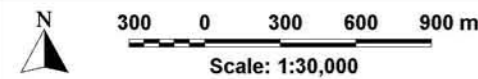
**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 6.12  
(Sheet 1 of 5)



**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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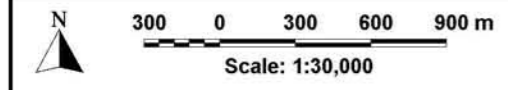
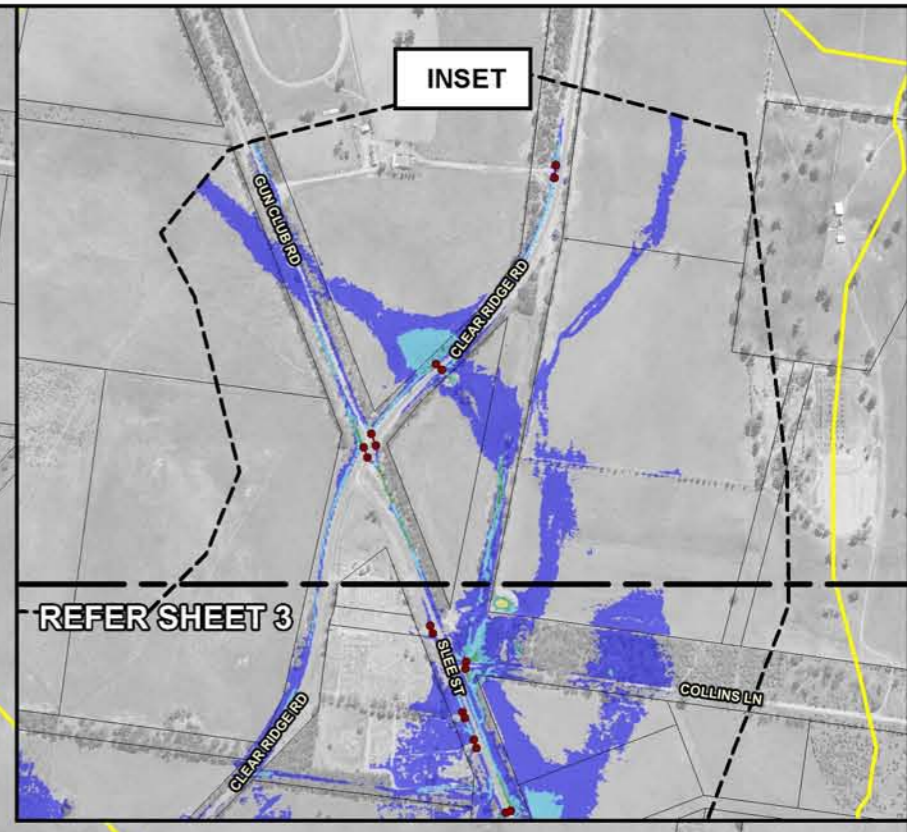
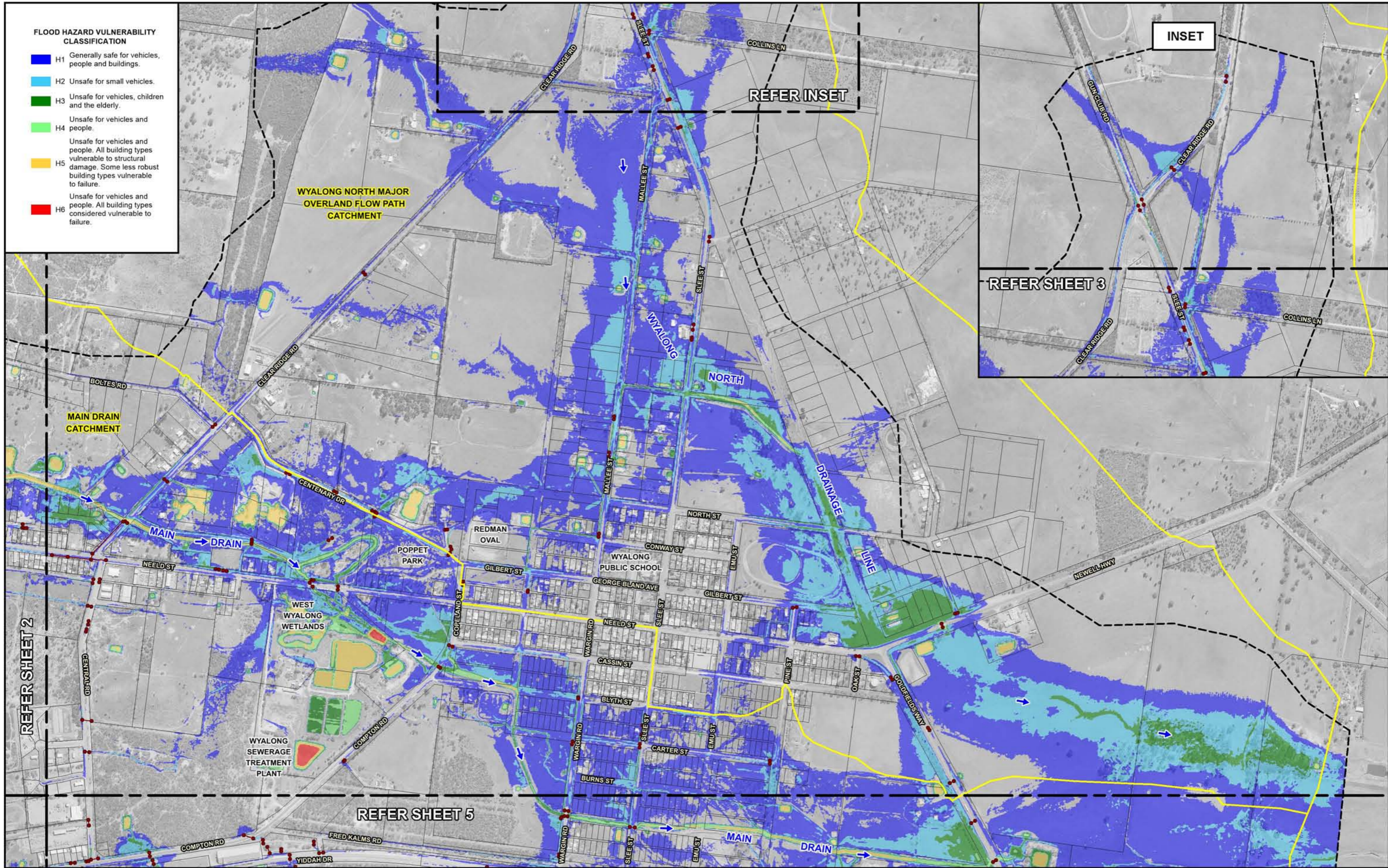
- LEGEND**
- Modelled Stormwater Drainage System
  - Two-Dimensional Model Boundary
  - Study Catchments

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 6.12  
(Sheet 2 of 5)

**FLOOD HAZARD VULNERABILITY CLASSIFICATION**

- H1 Generally safe for vehicles, people and buildings.
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 Flood depths not shown within the footprint of existing buildings.

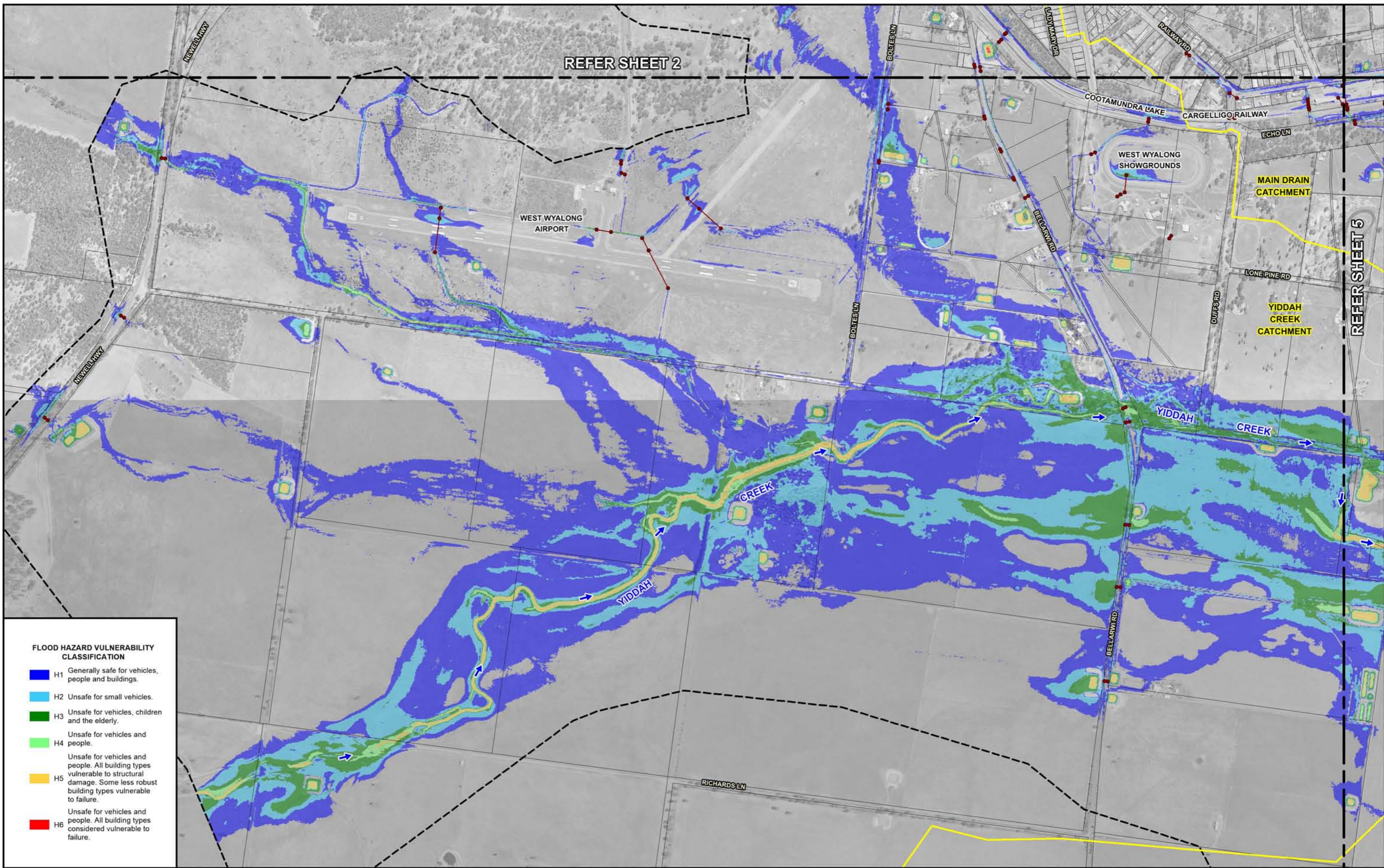
- LEGEND**
- Modelled Stormwater Drainage System
  - Study Catchments
  - Two-Dimensional Model Boundary



**WYALONG AND WEST WYALONG FLOOD STUDY**

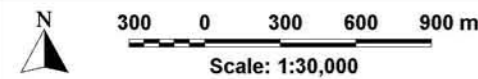
Figure 6.12  
(Sheet 3 of 5)

FLOOD HAZARD VULNERABILITY CLASSIFICATION  
1% AEP



**FLOOD HAZARD VULNERABILITY CLASSIFICATION**

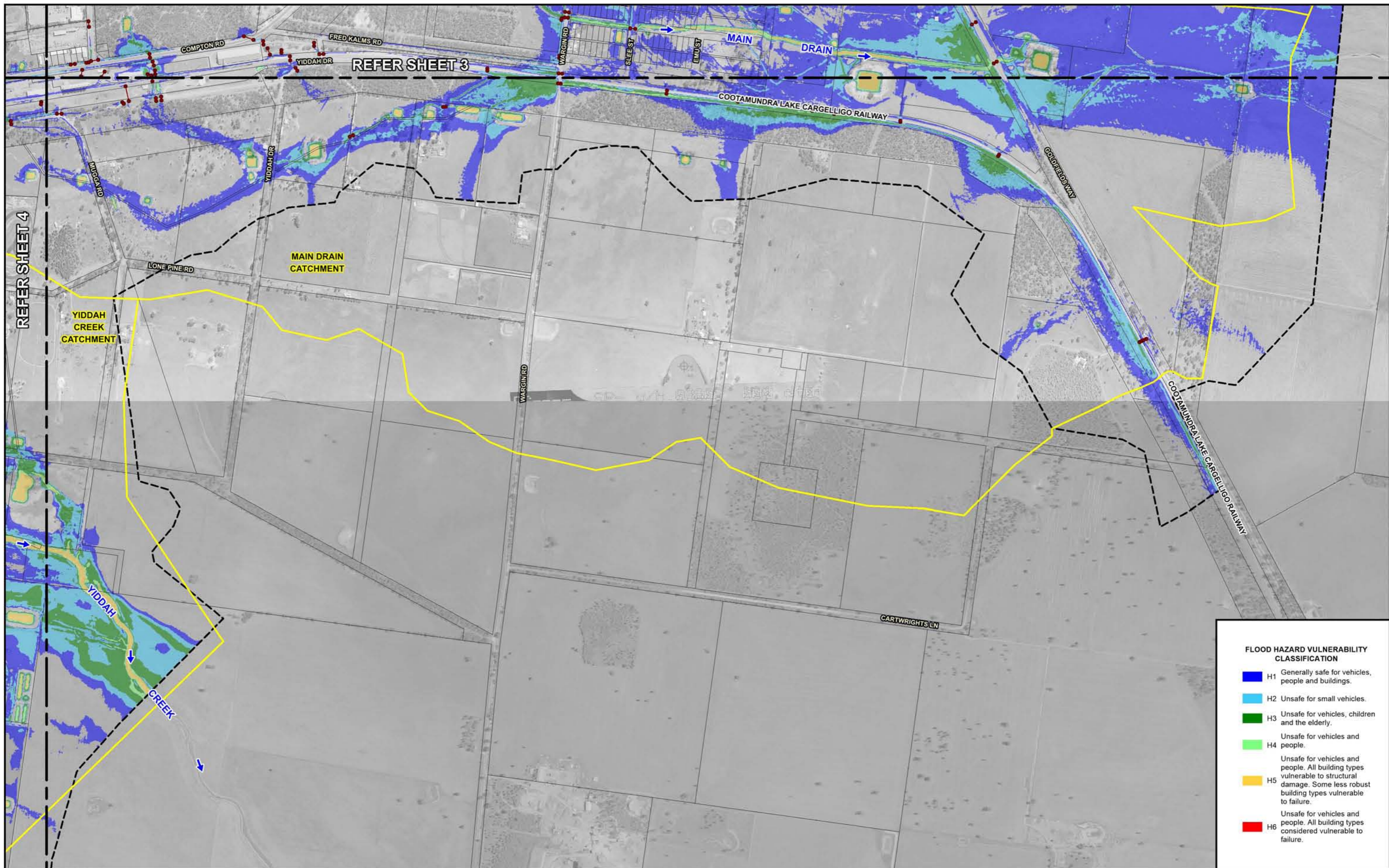
- H1 Generally safe for vehicles, people and buildings.
- H2 Unsafe for small vehicles.
- H3 Unsafe for vehicles, children and the elderly.
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 Flood depths not shown within the footprint of existing buildings.

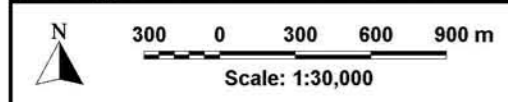
- LEGEND**
- Modelled Stormwater Drainage System
  - Study Catchments
  - Two-Dimensional Model Boundary





**FLOOD HAZARD VULNERABILITY CLASSIFICATION**

<span style="color: blue;">■</span>	H1	Generally safe for vehicles, people and buildings.
<span style="color: cyan;">■</span>	H2	Unsafe for small vehicles.
<span style="color: green;">■</span>	H3	Unsafe for vehicles, children and the elderly.
<span style="color: lightgreen;">■</span>	H4	Unsafe for vehicles and people.
<span style="color: yellow;">■</span>	H5	Unsafe for vehicles and people. All building types vulnerable to structural damage. Some less robust building types vulnerable to failure.
<span style="color: red;">■</span>	H6	Unsafe for vehicles and people. All building types considered vulnerable to failure.



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**LEGEND**

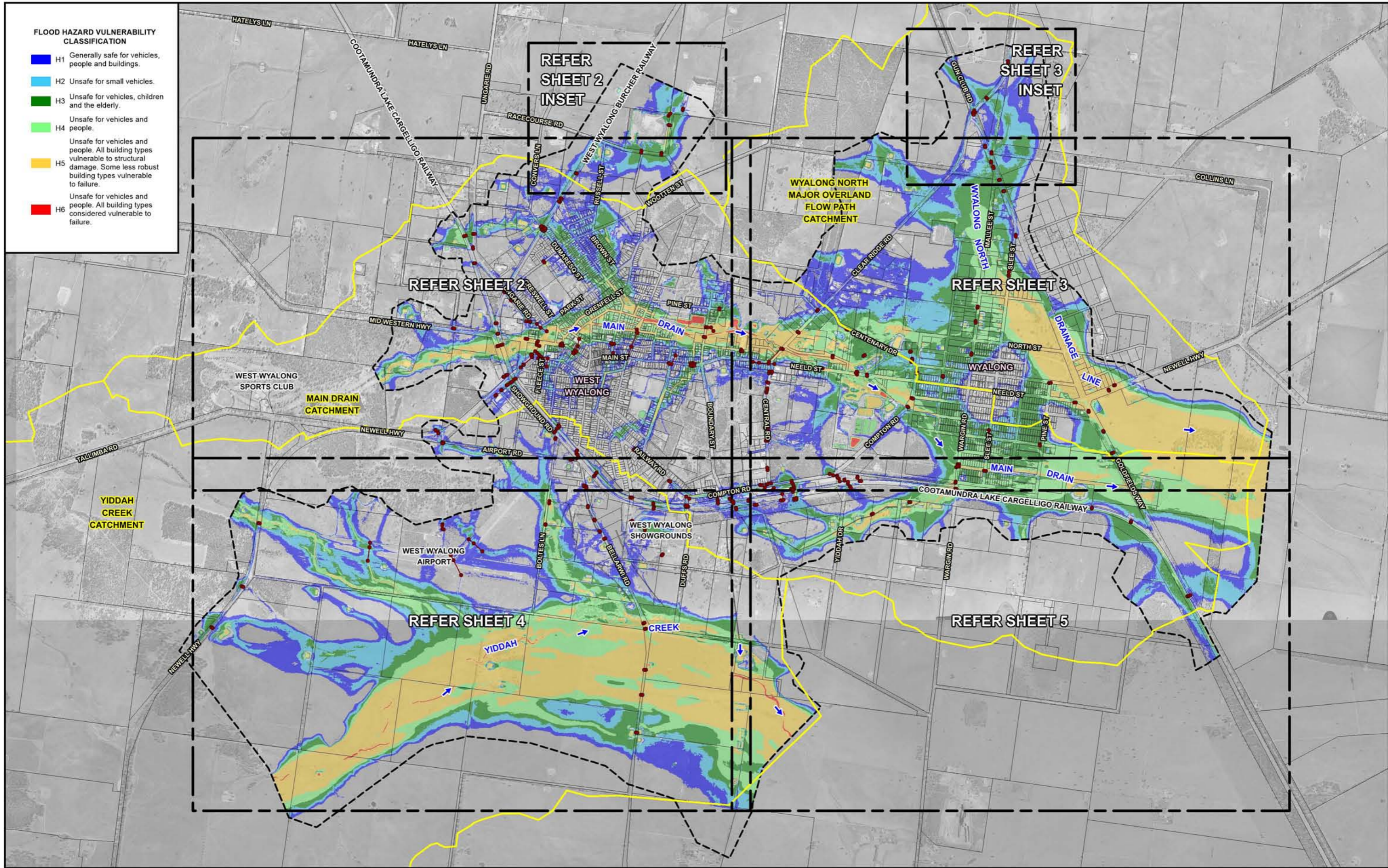
<span style="color: red;">—●—</span>	Modelled Stormwater Drainage System	<span style="border: 2px solid yellow;"> </span>	Study Catchments
<span style="border-top: 2px dashed black;"> </span>	Two-Dimensional Model Boundary		

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 6.12  
(Sheet 5 of 5)

**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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REFER SHEET 2  
INSET

REFER SHEET 3  
INSET

REFER SHEET 2

REFER SHEET 3

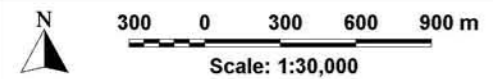
REFER SHEET 4

REFER SHEET 5

WYALONG NORTH  
MAJOR OVERLAND  
FLOW PATH  
CATCHMENT

MAIN DRAIN  
CATCHMENT

YIDDAH  
CREEK  
CATCHMENT



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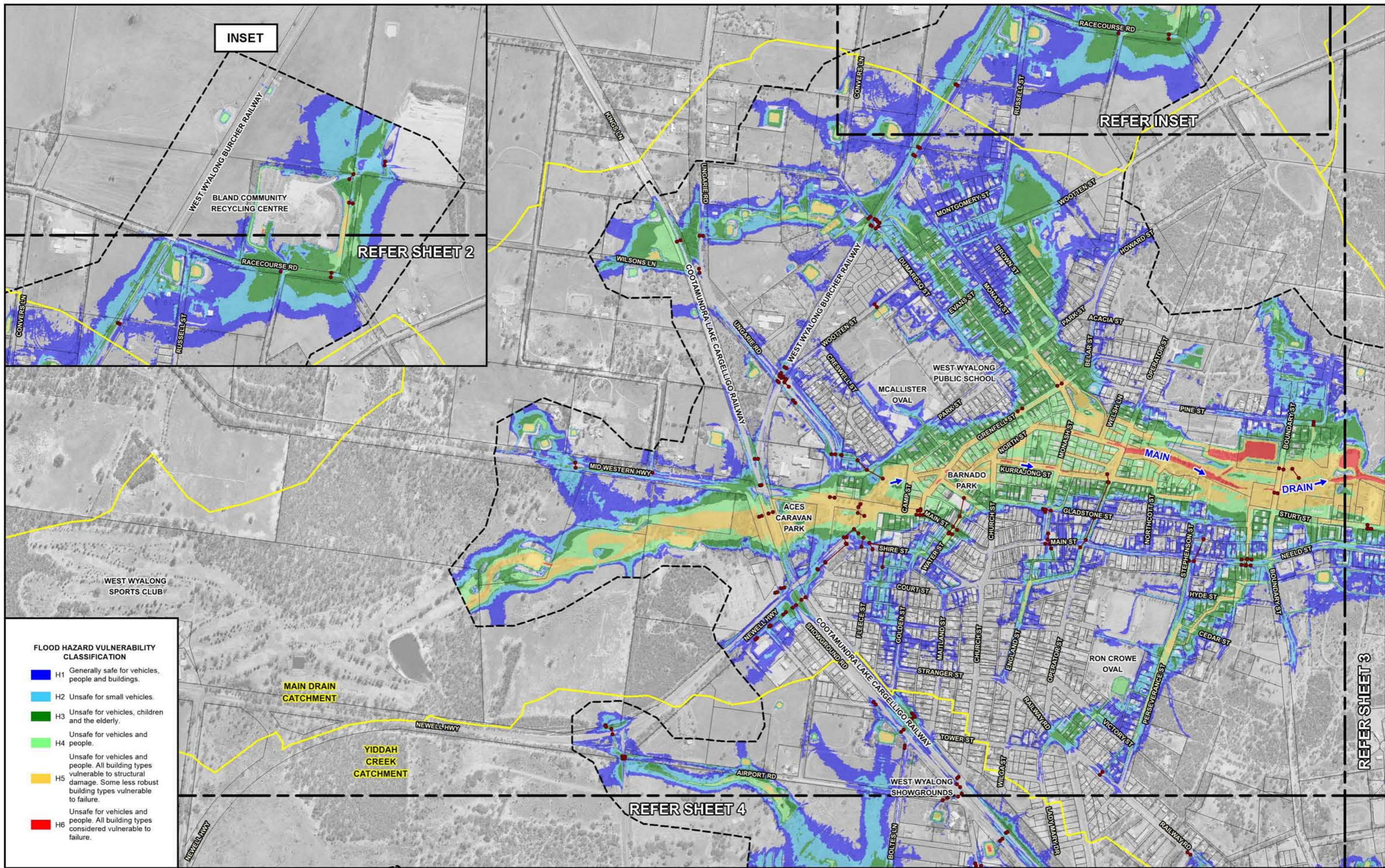
Flood depths not shown within the footprint of existing buildings.

- LEGEND**
- Modelled Stormwater Drainage System
  - Study Catchments
  - Two-Dimensional Model Boundary

**Lyll & Associates**

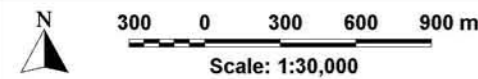
**WYALONG AND WEST WYALONG  
FLOOD STUDY**

Figure 6.13  
(Sheet 1 of 5)



**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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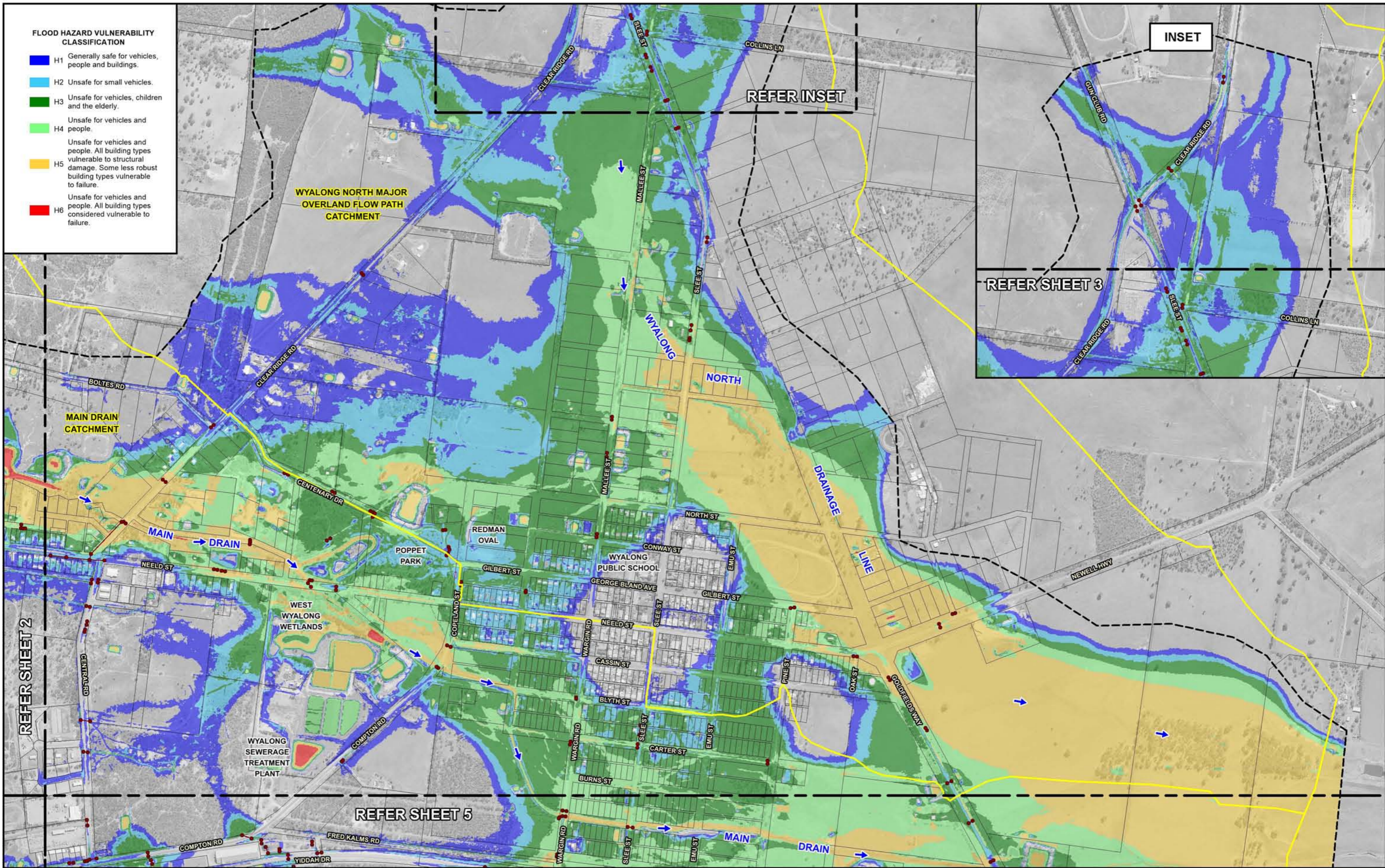
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- LEGEND**
- Modelled Stormwater Drainage System
  - Study Catchments
  - Two-Dimensional Model Boundary

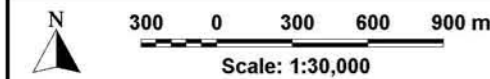
**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 6.13  
(Sheet 2 of 5)



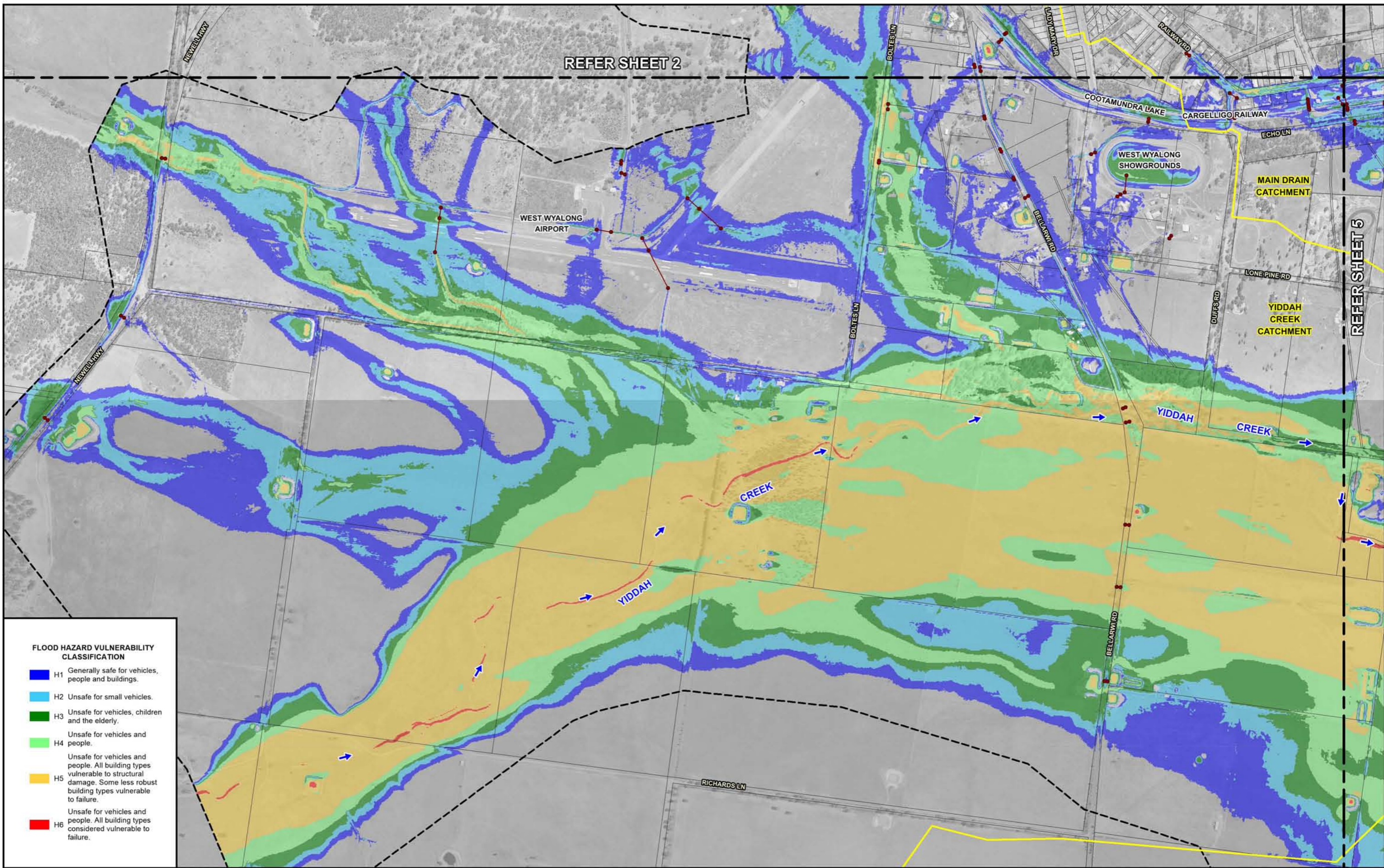
**FLOOD HAZARD VULNERABILITY CLASSIFICATION**

- 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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- LEGEND**
- Modelled Stormwater Drainage System
  - Study Catchments
  - Two-Dimensional Model Boundary

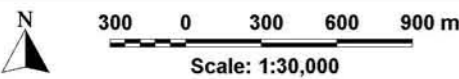


REFER SHEET 2

REFER SHEET 5

**FLOOD HAZARD VULNERABILITY CLASSIFICATION**

- H1 Generally safe for vehicles, people and buildings.
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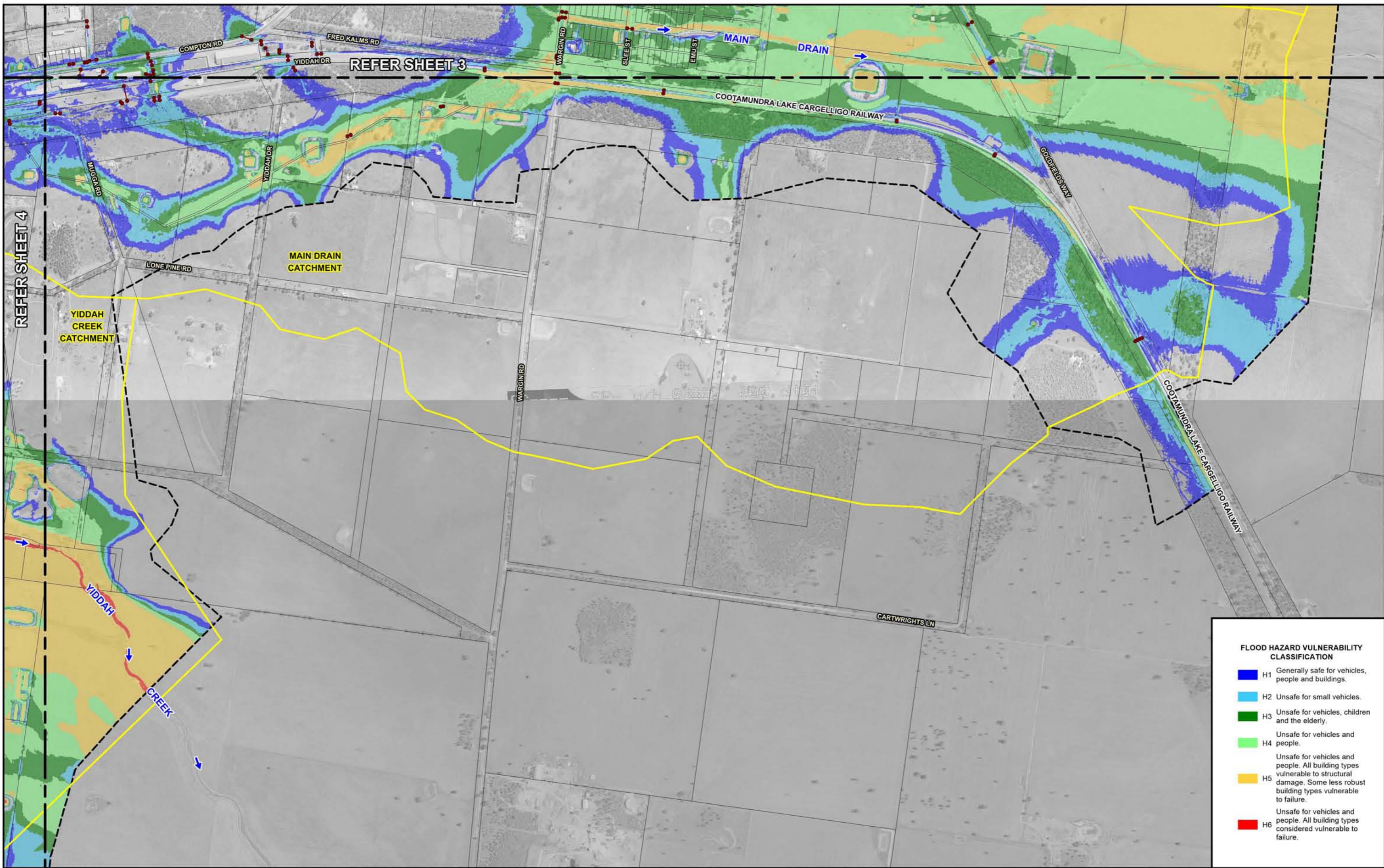
Flood depths not shown within the footprint of existing buildings.

**LEGEND**

- Modelled Stormwater Drainage System
- Study Catchments
- Two-Dimensional Model Boundary

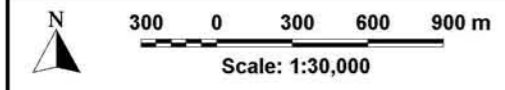
**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 6.13  
(Sheet 4 of 5)



**FLOOD HAZARD VULNERABILITY CLASSIFICATION**

<span style="color: blue;">■</span>	H1	Generally safe for vehicles, people and buildings.
<span style="color: cyan;">■</span>	H2	Unsafe for small vehicles.
<span style="color: green;">■</span>	H3	Unsafe for vehicles, children and the elderly.
<span style="color: lightgreen;">■</span>	H4	Unsafe for vehicles and people.
<span style="color: yellow;">■</span>	H5	Unsafe for vehicles and people. All building types vulnerable to structural damage. Some less robust building types vulnerable to failure.
<span style="color: red;">■</span>	H6	Unsafe for vehicles and people. All building types considered vulnerable to failure.

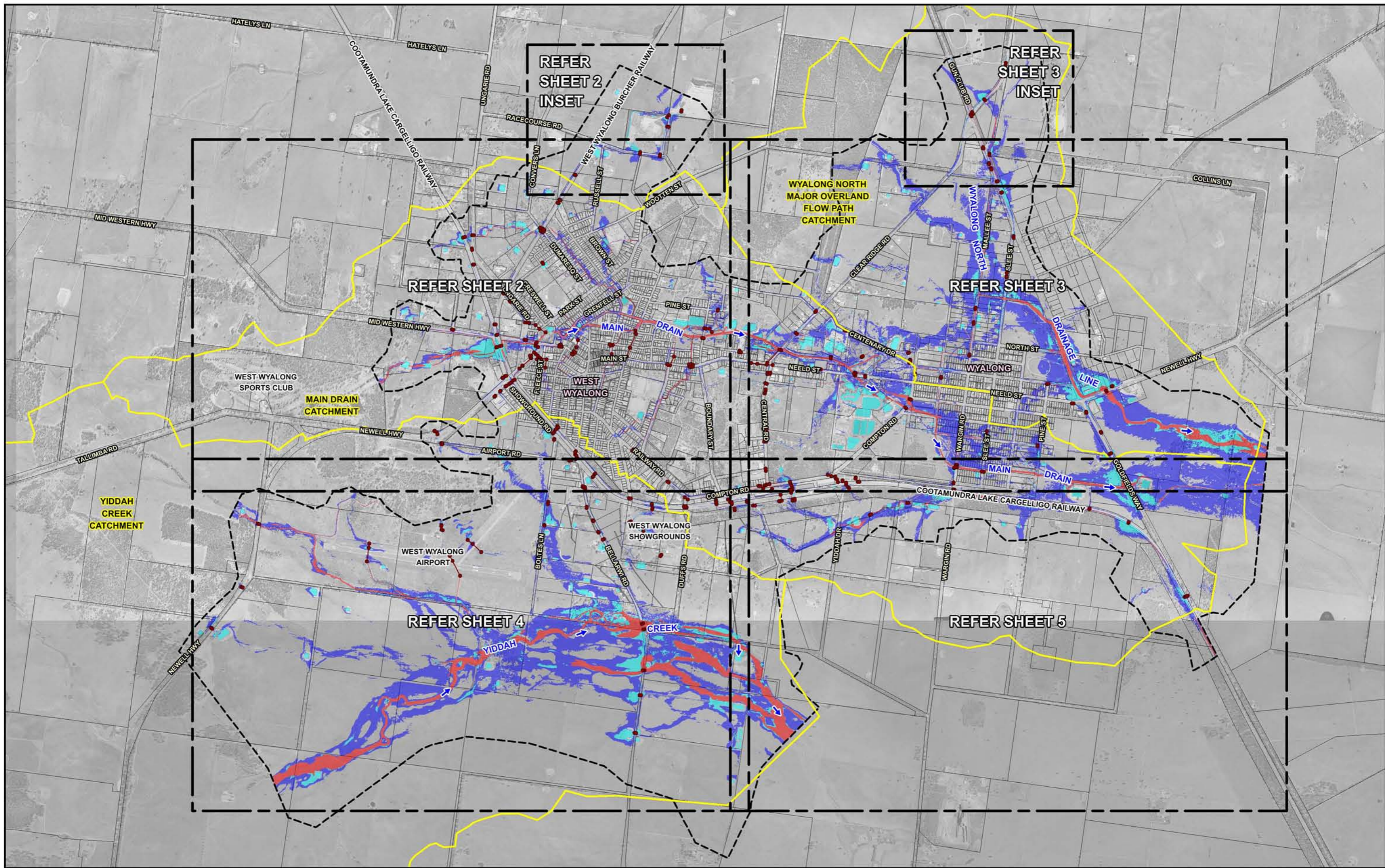



**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.  
 Flood depths are therefore approximate only and 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
  - Study Catchments
  - Two-Dimensional Model Boundary







**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 6.13  
(Sheet 5 of 5)




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

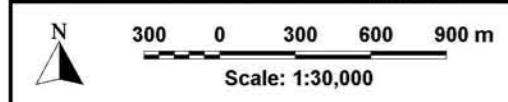
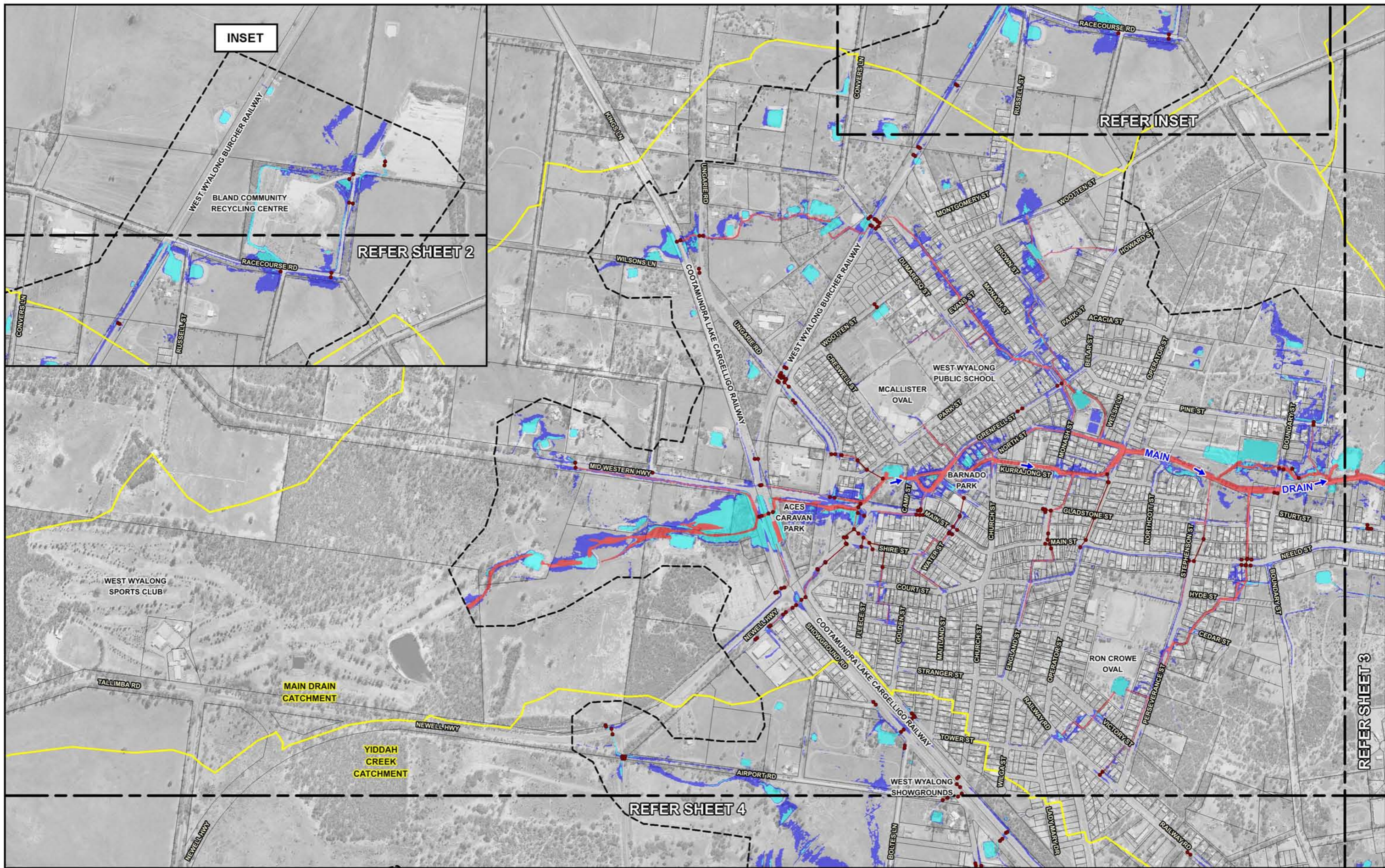
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 Flood depths not shown within the footprint of existing buildings.

- LEGEND**
-  Modelled Stormwater Drainage System
  -  Two-Dimensional Model Boundary
  -  Study Catchments
  -  Floodway
  -  Flood Storage
  -  Flood Fringe

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 6.14  
(Sheet 1 of 5)

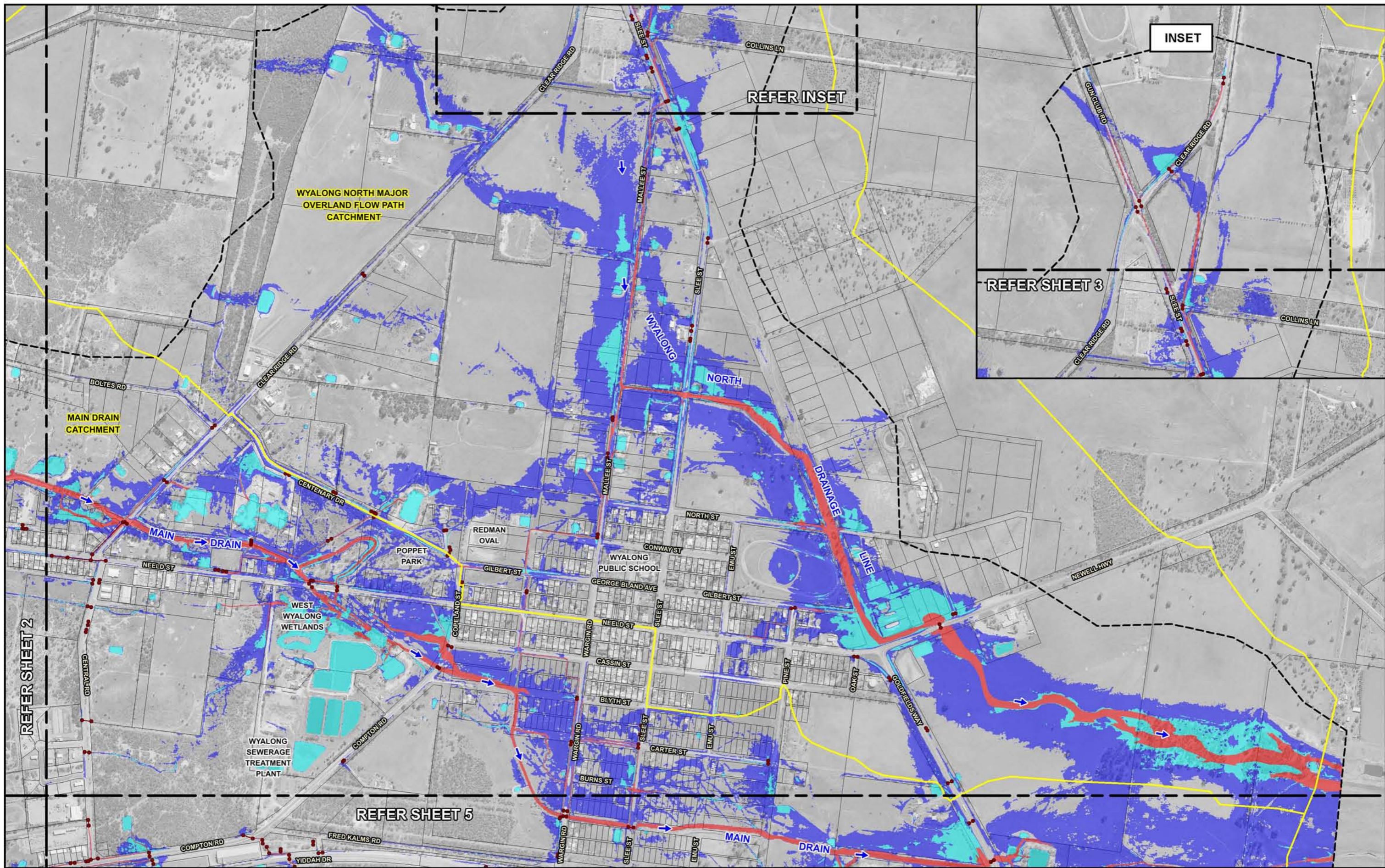
HYDRAULIC CATEGORISATION OF FLOODPLAIN  
5% AEP



**NOTE:**  
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 Flood depths not shown within the footprint of existing buildings.

- LEGEND**
- Modelled Stormwater Drainage System
  - Two-Dimensional Model Boundary
  - Study Catchments
  - Floodway
  - Flood Storage
  - Flood Fringe





Scale: 1:30,000

**NOTE:**  
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 Flood depths not shown within the footprint of existing buildings.

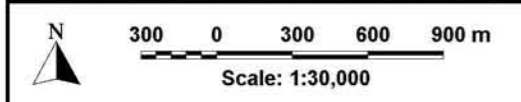
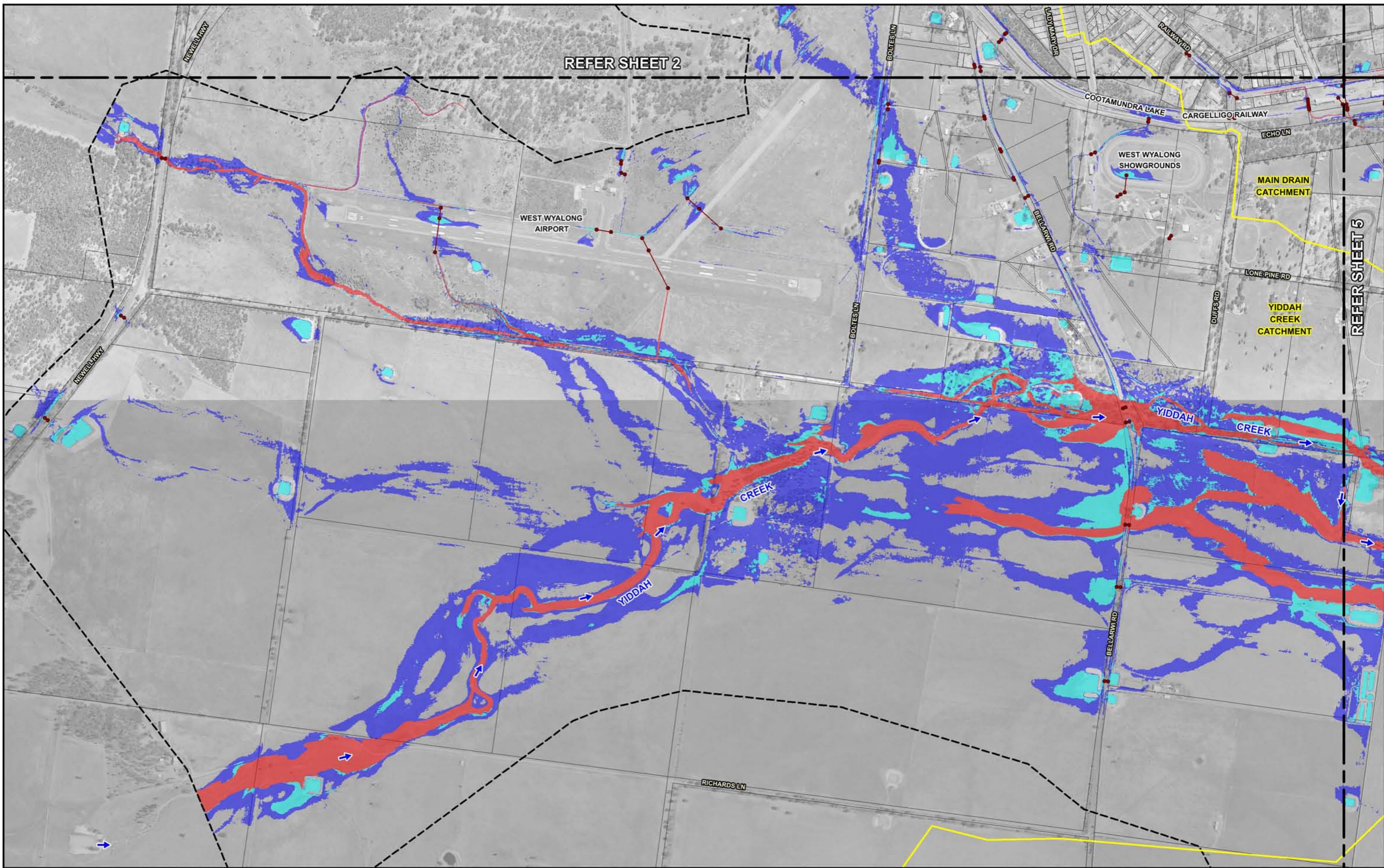
- LEGEND**
- Modelled Stormwater Drainage System
  - Two-Dimensional Model Boundary
  - Study Catchments
  - Floodway
  - Flood Storage
  - Flood Fringe

**Lyall & Associates**

**WYALONG AND WEST WYALONG FLOOD STUDY**

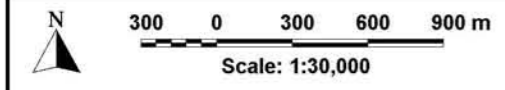
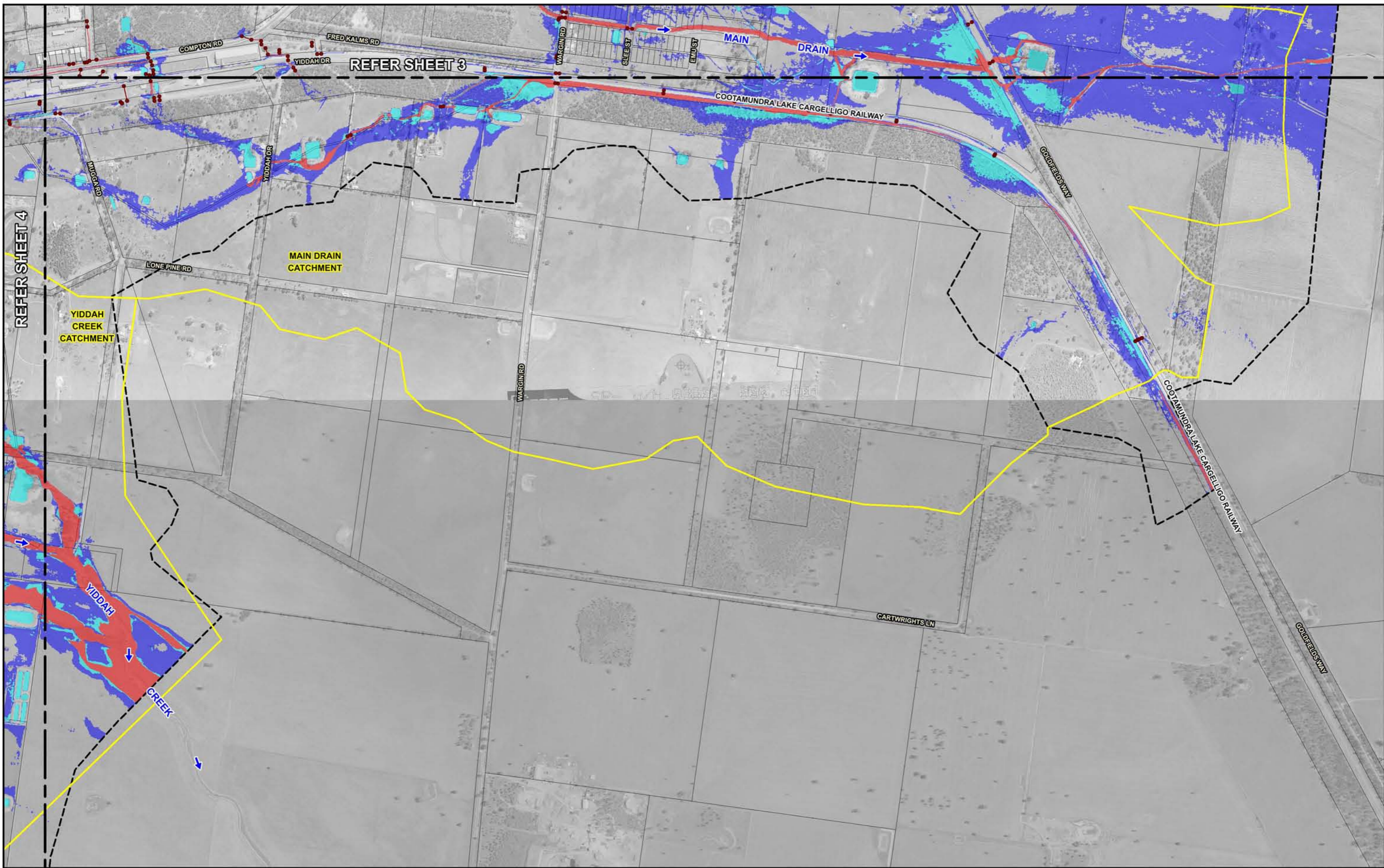
Figure 6.14  
(Sheet 3 of 5)

HYDRAULIC CATEGORISATION OF FLOODPLAIN  
5% AEP









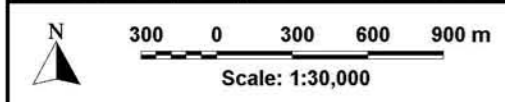
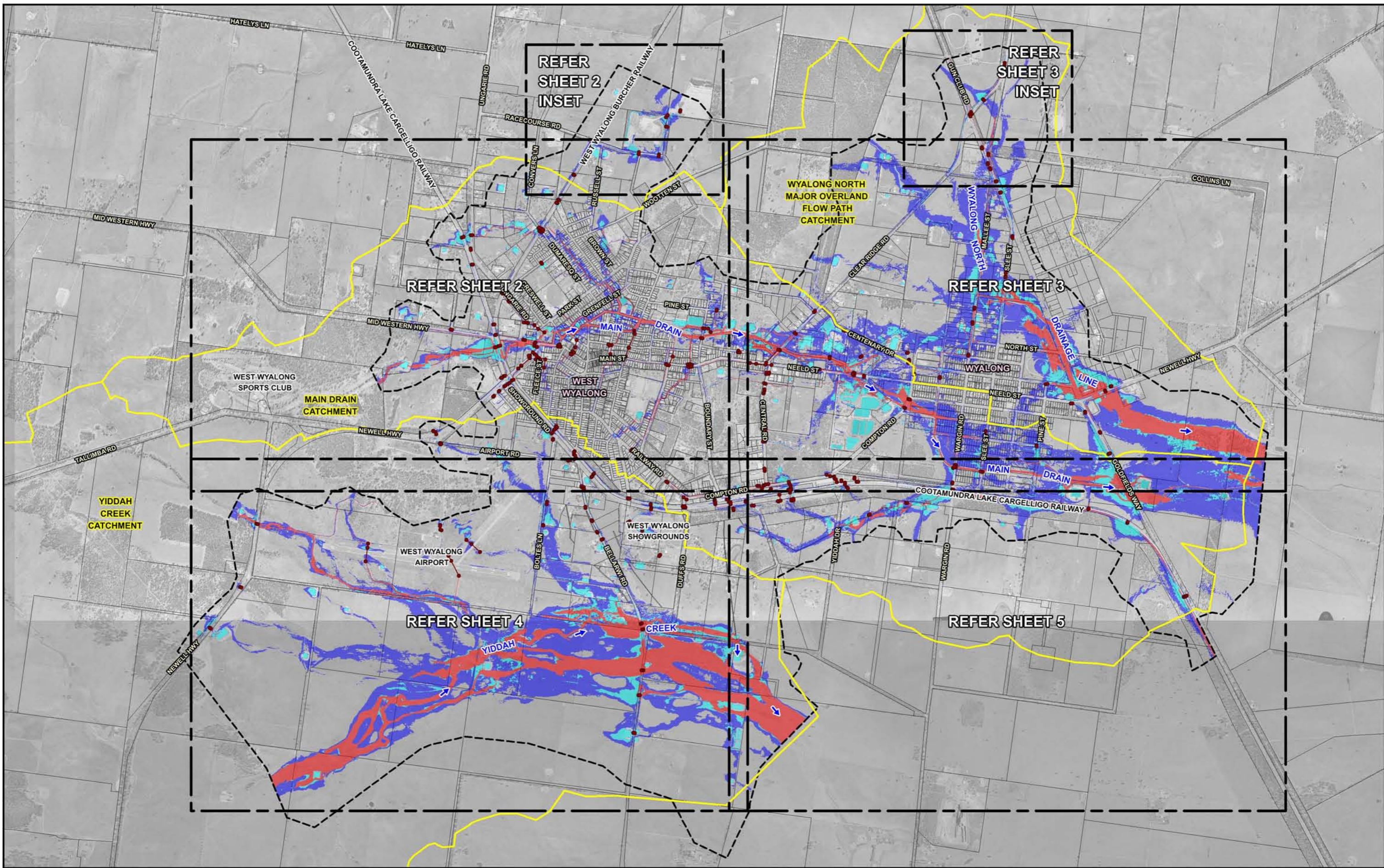
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 Flood depths not shown within the footprint of existing buildings.

- LEGEND**
- Modelled Stormwater Drainage System
  - Two-Dimensional Model Boundary
  - Study Catchments
  - Floodway
  - Flood Storage
  - Flood Fringe



**NOTE:**  
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 Flood depths not shown within the footprint of existing buildings.

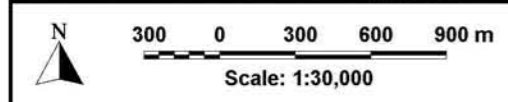
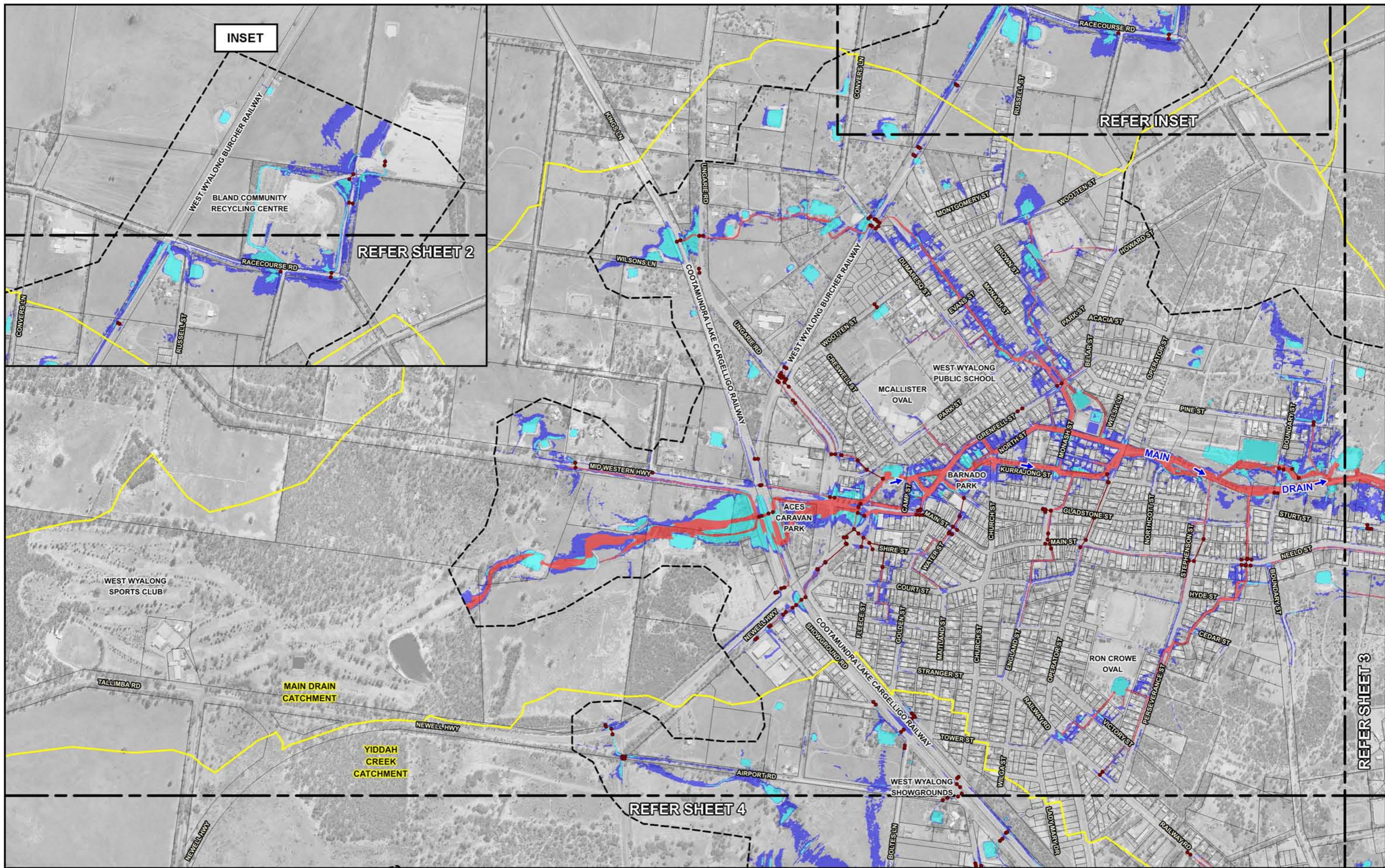
LEGEND	
	Modelled Stormwater Drainage System
	Two-Dimensional Model Boundary
	Study Catchments
	Floodway
	Flood Storage
	Flood Fringe



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 Flood depths not shown within the footprint of existing buildings.

- LEGEND**
- Modelled Stormwater Drainage System
  - Two-Dimensional Model Boundary
  - Study Catchments
  - Floodway
  - Flood Storage
  - Flood Fringe

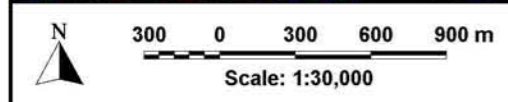
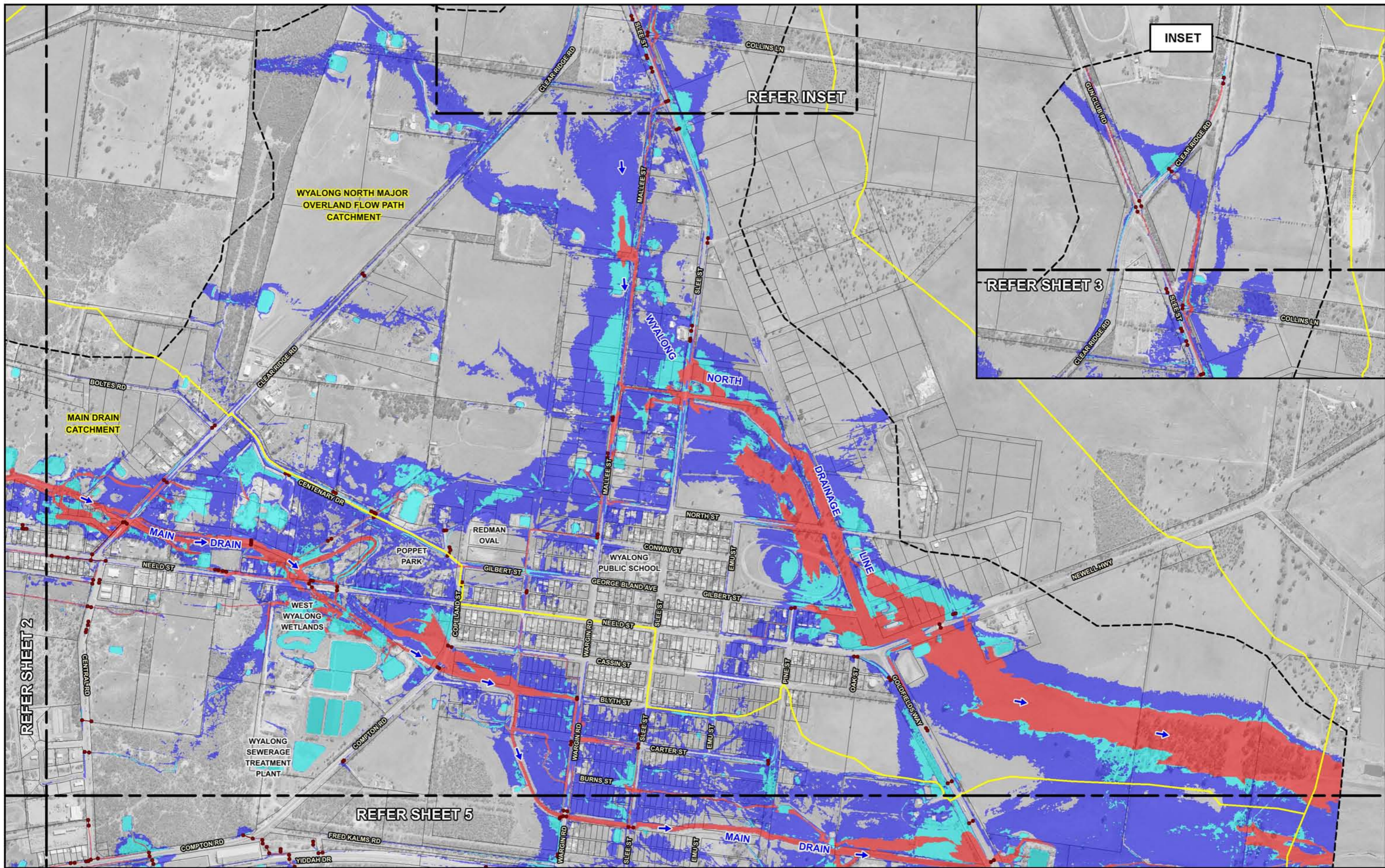
**WYALONG AND WEST WYALONG  
 FLOOD STUDY**



**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.  
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 Flood depths not shown within the footprint of existing buildings.

- LEGEND**
- Modelled Stormwater Drainage System
  - Two-Dimensional Model Boundary
  - Study Catchments
  - Flood Storage
  - Flood Fringe

**WYALONG AND WEST WYALONG  
 FLOOD STUDY**



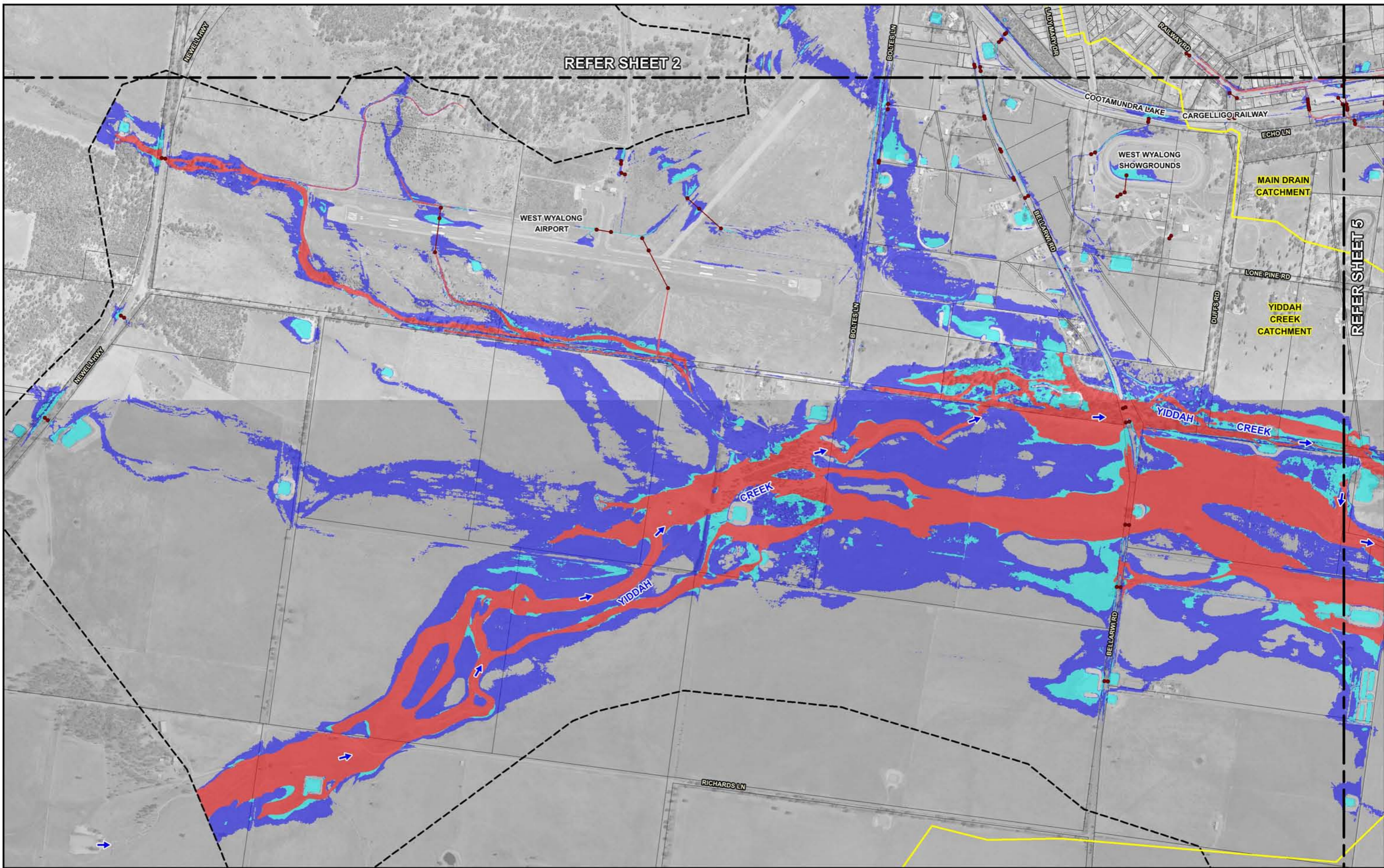
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- LEGEND**
- Modelled Stormwater Drainage System
  - Two-Dimensional Model Boundary
  - Study Catchments
  - Floodway
  - Flood Storage
  - Flood Fringe

**Lyall & Associates**

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 6.15  
 (Sheet 3 of 5)  
 HYDRAULIC CATEGORISATION OF FLOODPLAIN  
 1% AEP



REFER SHEET 2

REFER SHEET 5

WEST WYALONG AIRPORT

WEST WYALONG SHOWGROUNDS

MAIN DRAIN CATCHMENT

YIDDAH CREEK CATCHMENT

YIDDAH CREEK

CREEK

YIDDAH

RICHARDS LN

BELLARWARD

BOLTES LN

COOTAMUNDRA LAKE

CARGELLIGO RAILWAY

ECHO LN

LONE PINE RD

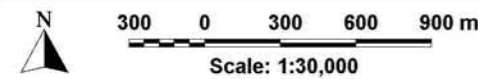
DUFFS RD

LADY MARY RD

RAILWAY RD

NEWELL HWY

NEWELL HWY



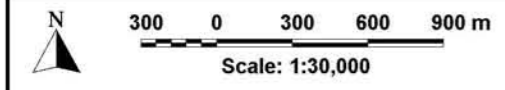
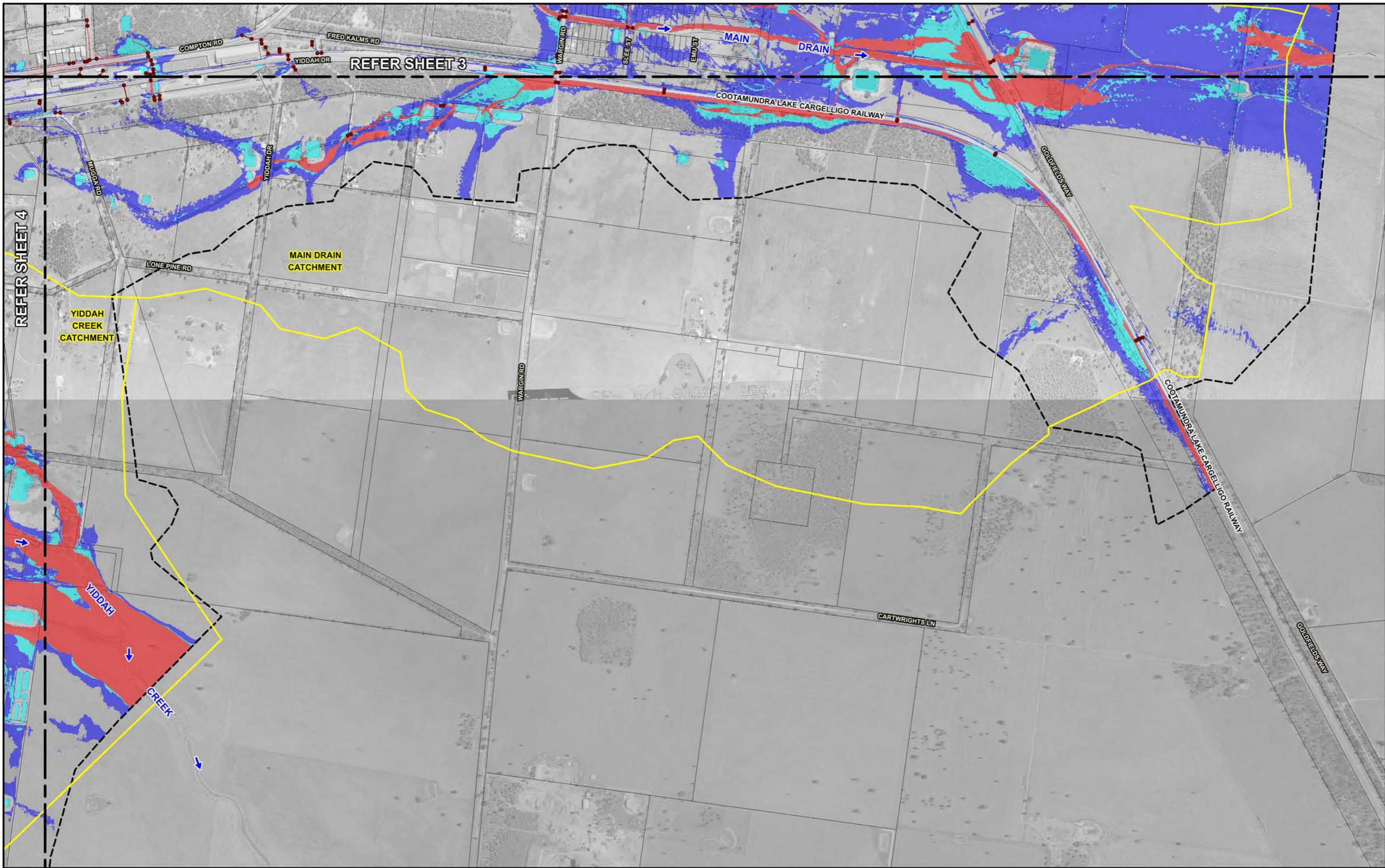
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 Flood depths not shown within the footprint of existing buildings.

LEGEND	
	Modelled Stormwater Drainage System
	Two-Dimensional Model Boundary
	Study Catchments
	Floodway
	Flood Storage
	Flood Fringe







**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 6.15  
(Sheet 4 of 5)

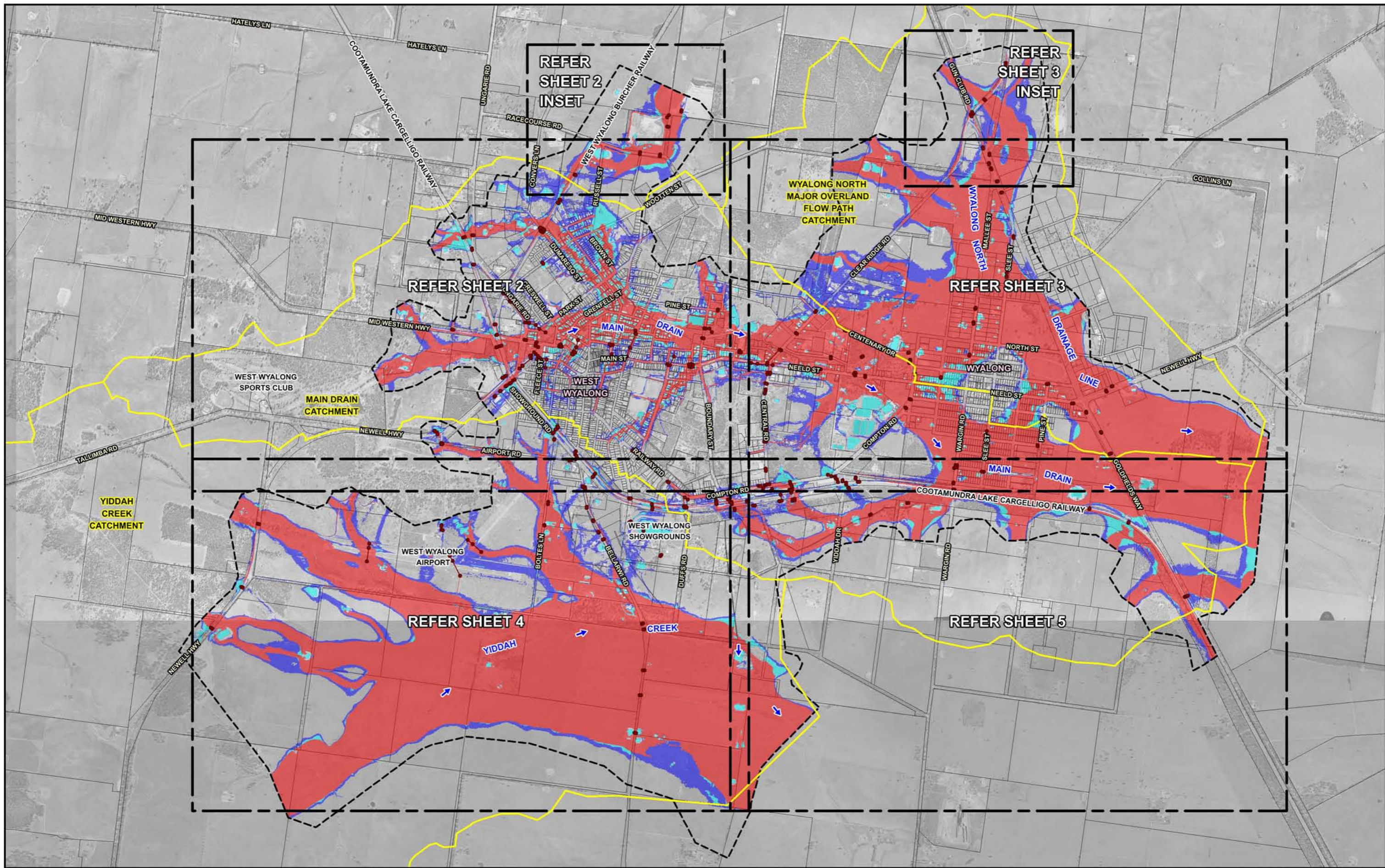
HYDRAULIC CATEGORISATION OF FLOODPLAIN  
1% AEP



**NOTE:**  
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 Flood depths not shown within the footprint of existing buildings.

LEGEND	
	Modelled Stormwater Drainage System
	Two-Dimensional Model Boundary
	Study Catchments
	Floodway
	Flood Storage
	Flood Fringe





Scale: 1:30,000

**NOTE:**  
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 Flood depths not shown within the footprint of existing buildings.

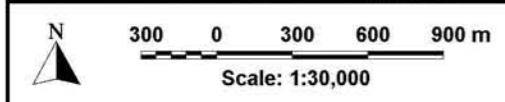
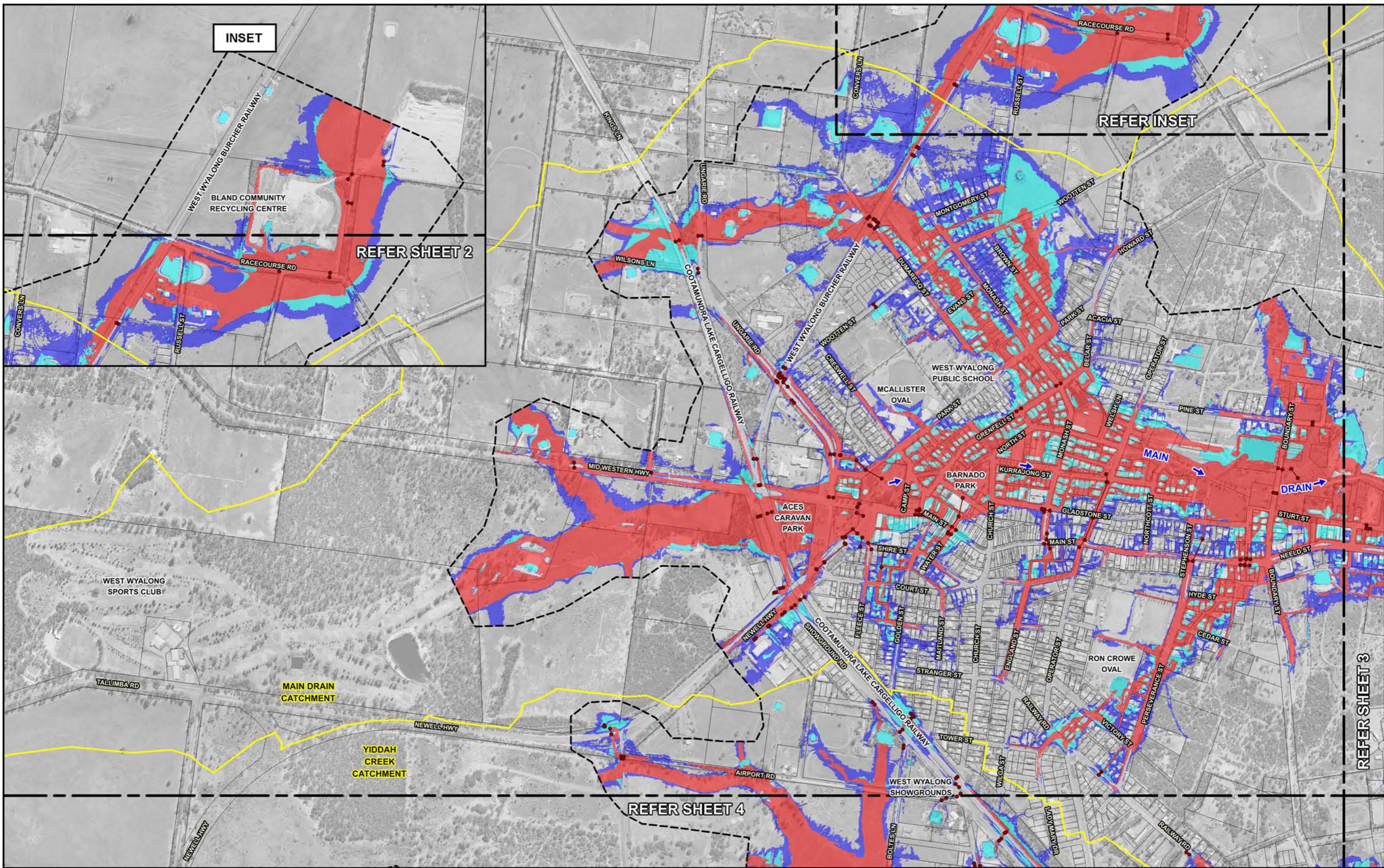
- LEGEND**
- Modelled Stormwater Drainage System
  - Two-Dimensional Model Boundary
  - Study Catchments
  - Floodway
  - Flood Storage
  - Flood Fringe

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 6.16  
(Sheet 1 of 5)

HYDRAULIC CATEGORISATION OF FLOODPLAIN PMF





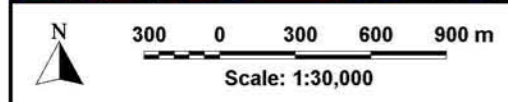
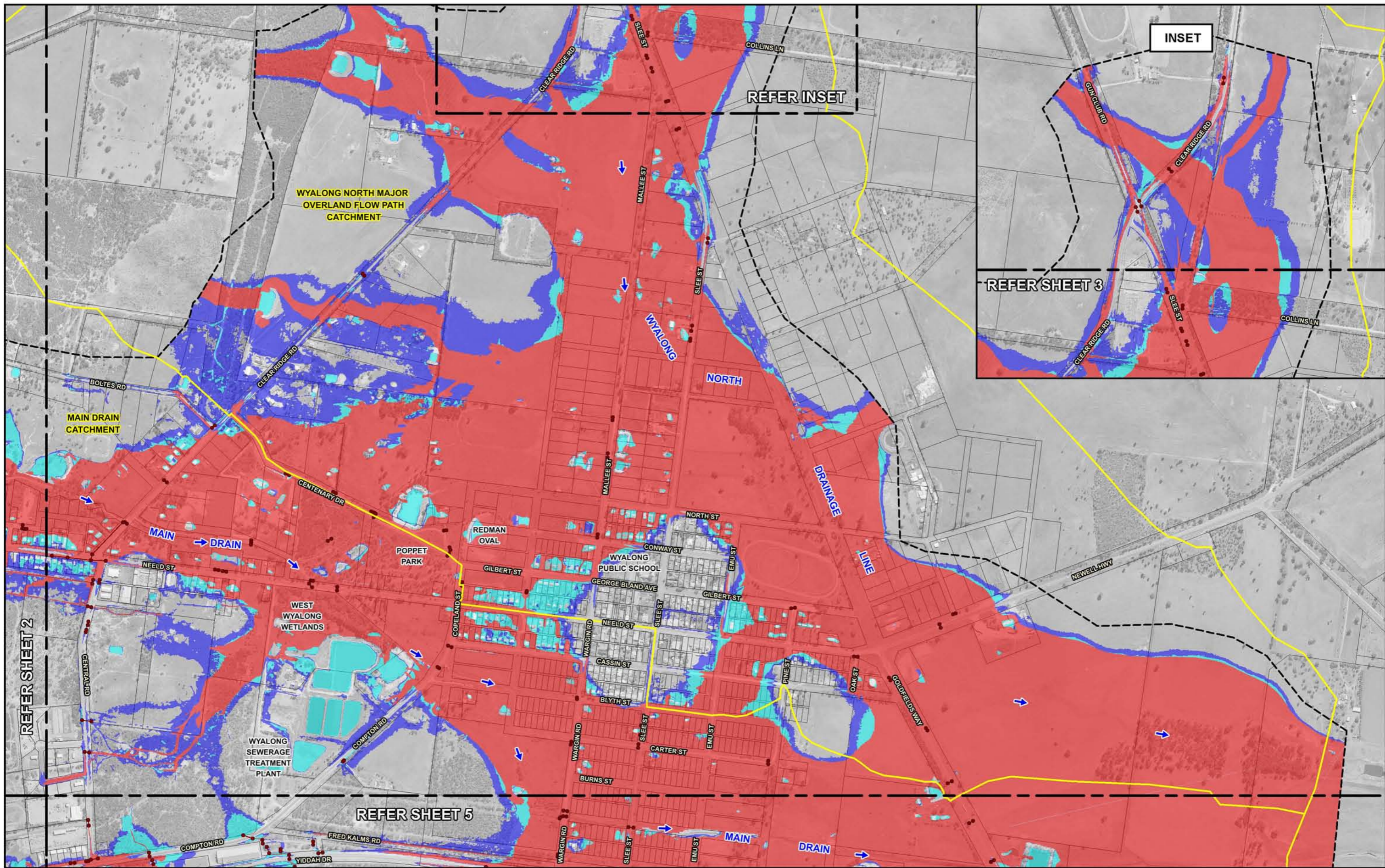
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 Flood depths not shown within the footprint of existing buildings.

- LEGEND**
- Modelled Stormwater Drainage System
  - Two-Dimensional Model Boundary
  - Study Catchments
  - Floodway
  - Flood Storage
  - Flood Fringe

**Lyall & Associates**

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 6.16  
 (Sheet 2 of 5)  
 HYDRAULIC CATEGORISATION OF FLOODPLAIN PMF

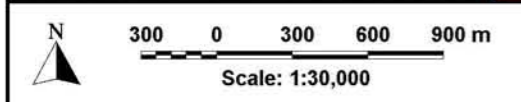
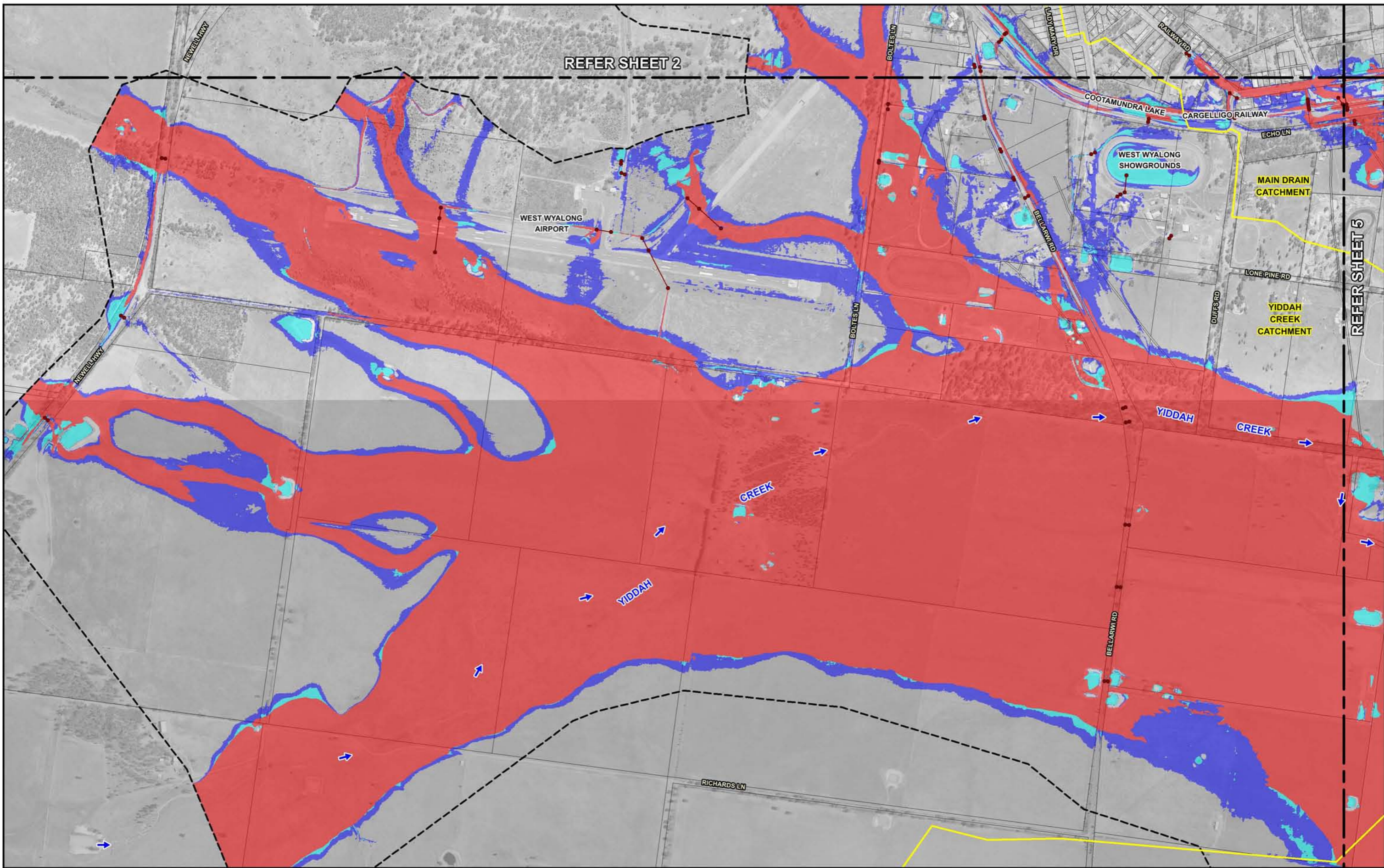


**NOTE:**  
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- LEGEND**
- Modelled Stormwater Drainage System
  - Two-Dimensional Model Boundary
  - Study Catchments
  - Floodway
  - Flood Storage
  - Flood Fringe

**WYALONG AND WEST WYALONG FLOOD STUDY**

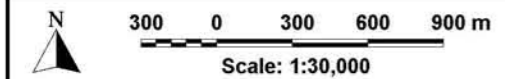
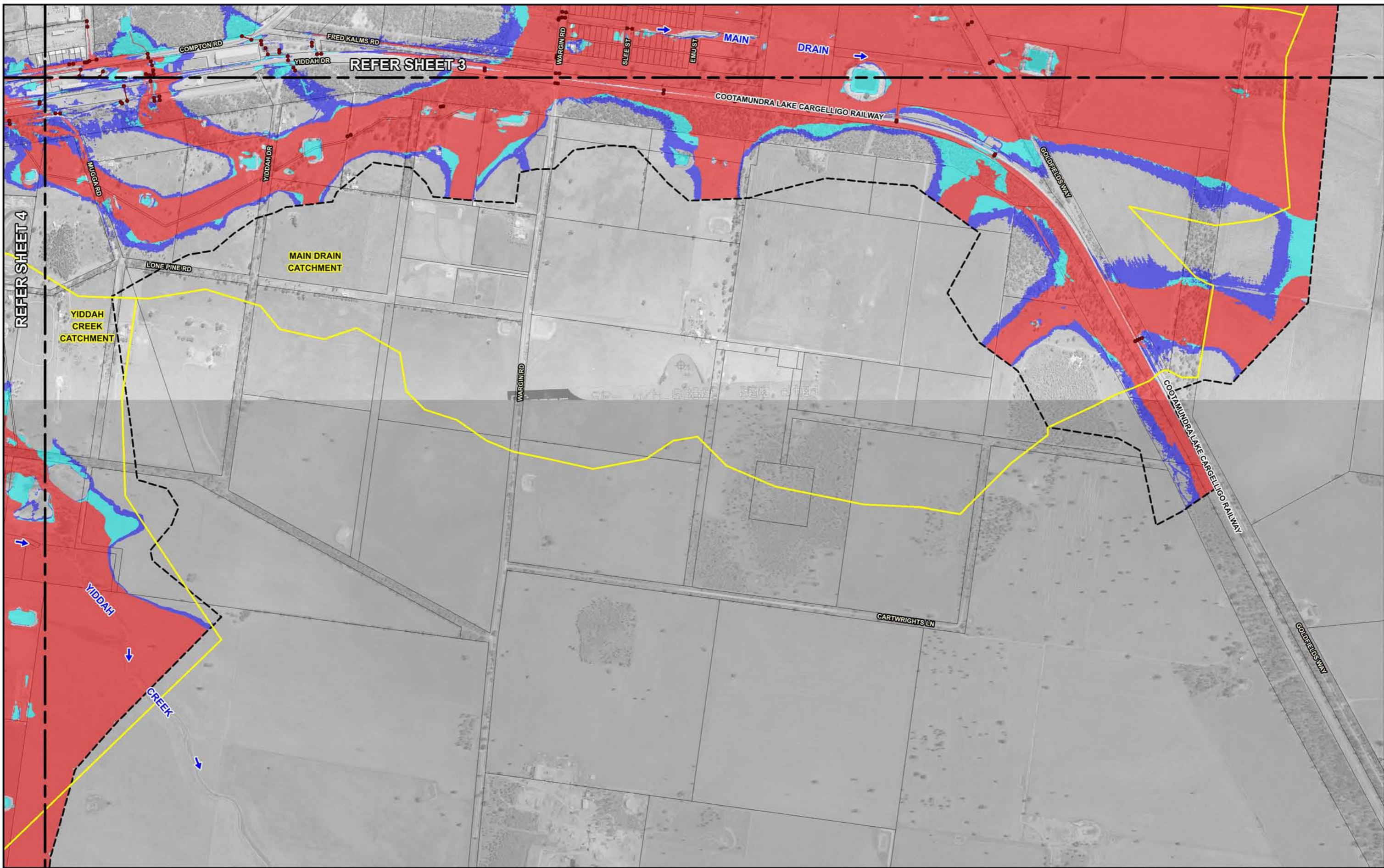
Figure 6.16  
(Sheet 3 of 5)









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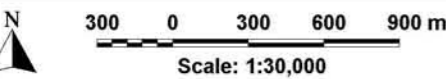
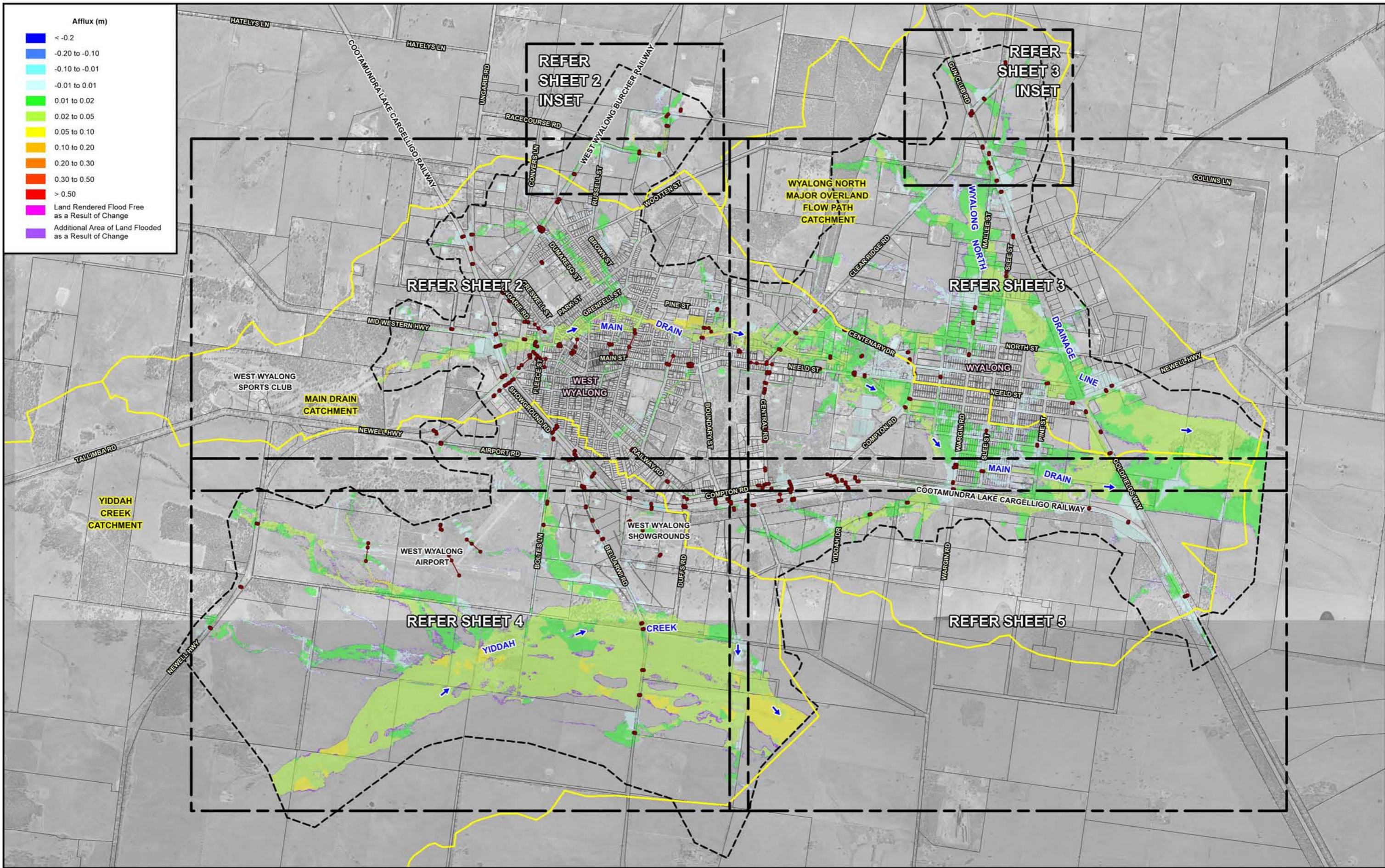
- LEGEND**
- Modelled Stormwater Drainage System
  - Two-Dimensional Model Boundary
  - Study Catchments
  - Floodway
  - Flood Storage
  - Flood Fringe

**Lyall & Associates**



**NOTE:**  
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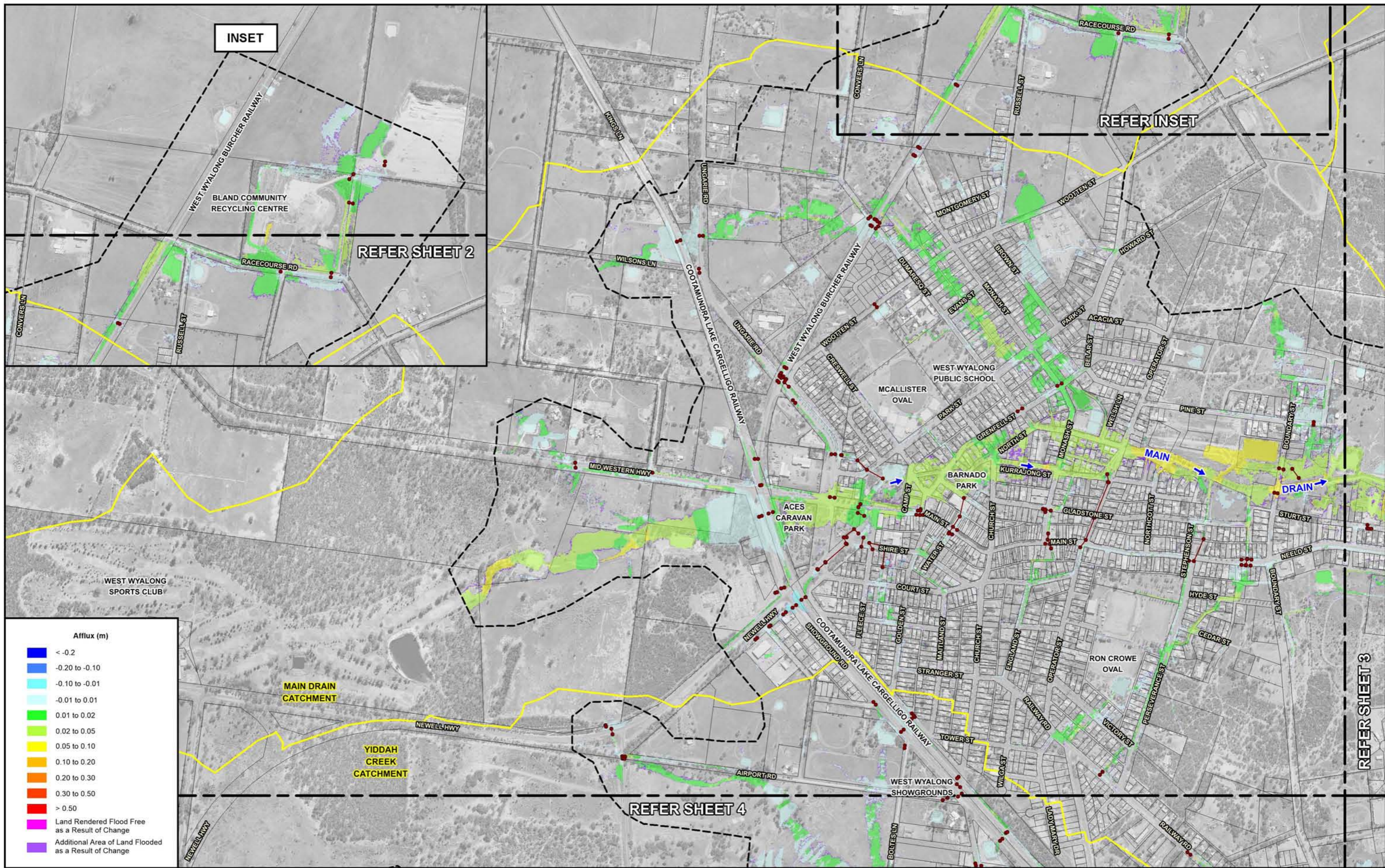
LEGEND	
	Modelled Stormwater Drainage System
	Two-Dimensional Model Boundary
	Study Catchments
	Floodway
	Flood Storage
	Flood Fringe



**NOTE:**  
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 Flood depths not shown within the footprint of existing buildings.

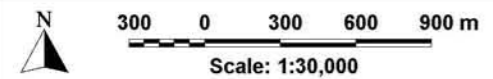
- LEGEND**
- Modelled Stormwater Drainage System
  - Study Catchments
  - Two-Dimensional Model Boundary

**WYALONG AND WEST WYALONG FLOOD STUDY**



**Afflux (m)**

<span style="color: blue;">■</span>	< -0.2
<span style="color: lightblue;">■</span>	-0.20 to -0.10
<span style="color: cyan;">■</span>	-0.10 to -0.01
<span style="color: lightgreen;">■</span>	-0.01 to 0.01
<span style="color: green;">■</span>	0.01 to 0.02
<span style="color: yellowgreen;">■</span>	0.02 to 0.05
<span style="color: yellow;">■</span>	0.05 to 0.10
<span style="color: orangeyellow;">■</span>	0.10 to 0.20
<span style="color: orange;">■</span>	0.20 to 0.30
<span style="color: redorange;">■</span>	0.30 to 0.50
<span style="color: red;">■</span>	> 0.50
<span style="color: magenta;">■</span>	Land Rendered Flood Free as a Result of Change
<span style="color: purple;">■</span>	Additional Area of Land Flooded as a Result of Change

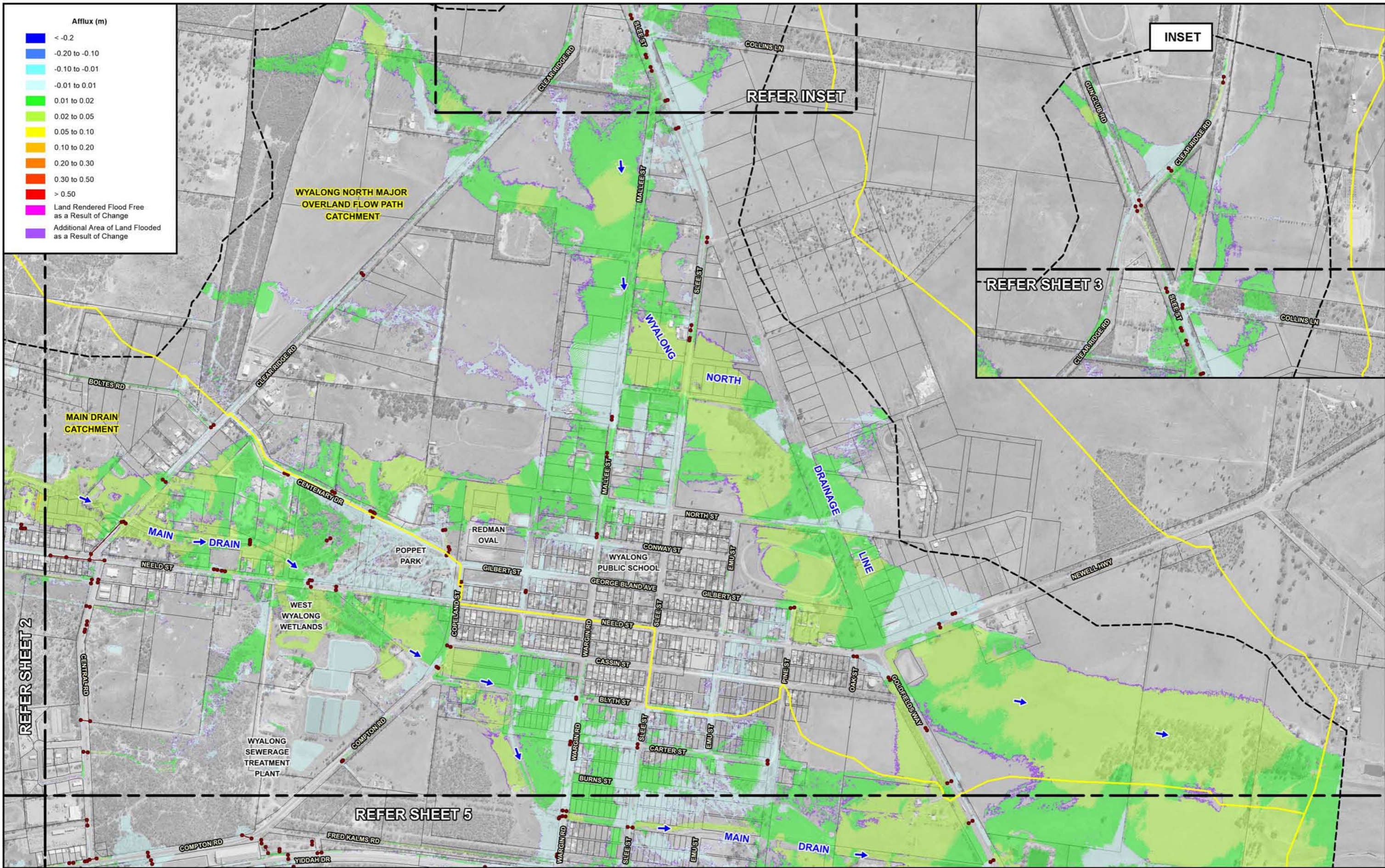


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- LEGEND**
- Modelled Stormwater Drainage System
  - Study Catchments
  - Two-Dimensional Model Boundary

**WYALONG AND WEST WYALONG FLOOD STUDY**



- Afflux (m)**
- <math>< -0.2</math>
  - -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

Scale: 1:30,000

300 0 300 600 900 m

**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.  
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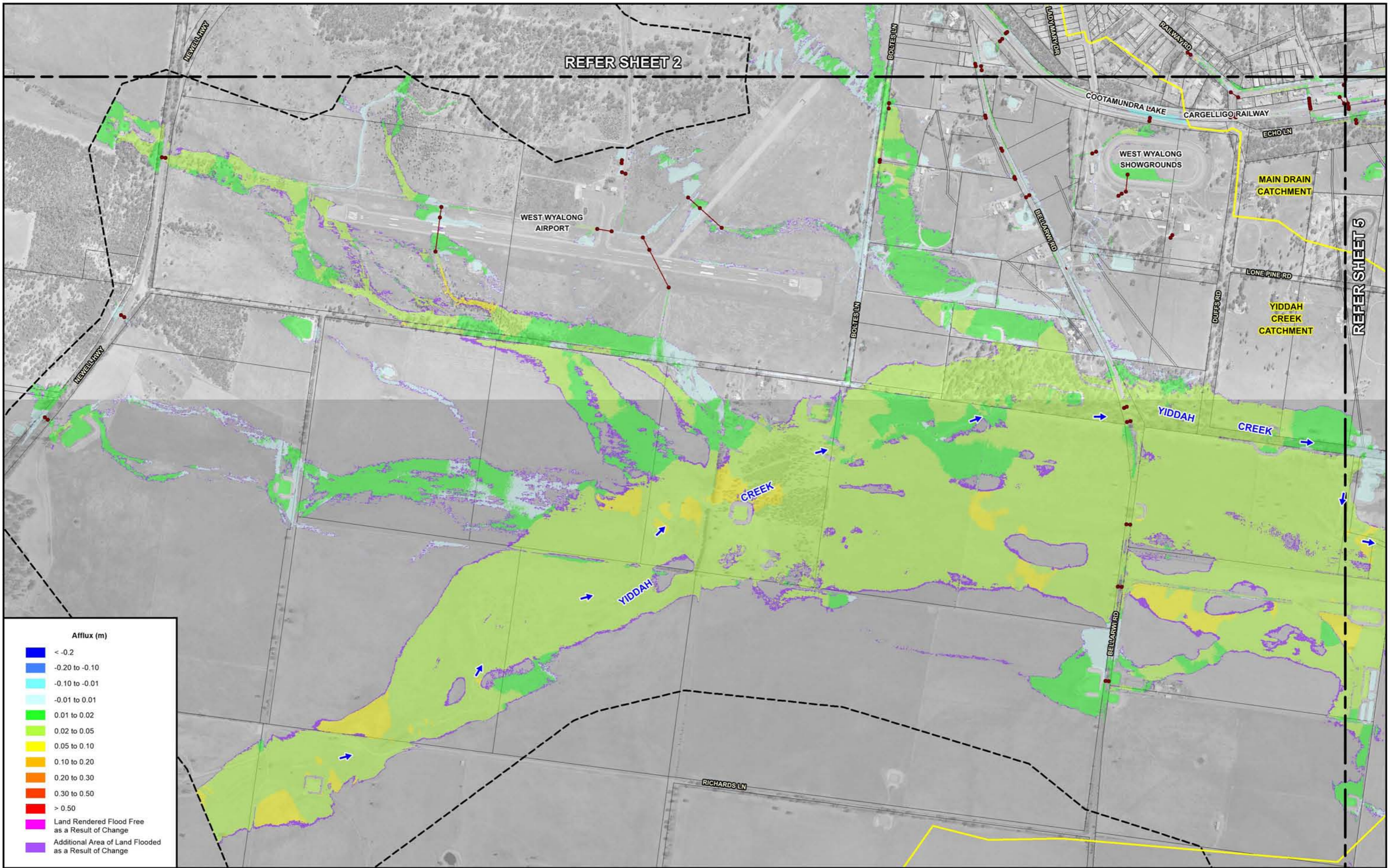
- LEGEND**
- Modelled Stormwater Drainage System
  - Study Catchments
  - - - Two-Dimensional Model Boundary

**Lyall & Associates**

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 6.17  
 (Sheet 3 of 5)  
 SENSITIVITY OF FLOOD BEHAVIOUR TO 20% INCREASE IN HYDRAULIC ROUGHNESS VALUE  
 1% AEP





Afflux (m)	
Dark Blue	< -0.2
Blue	-0.20 to -0.10
Light Blue	-0.10 to -0.01
Very Light Blue	-0.01 to 0.01
Light Green	0.01 to 0.02
Green	0.02 to 0.05
Yellow-Green	0.05 to 0.10
Yellow	0.10 to 0.20
Orange	0.20 to 0.30
Red-Orange	0.30 to 0.50
Red	> 0.50
Pink	Land Rendered Flood Free as a Result of Change
Purple	Additional Area of Land Flooded as a Result of Change

Scale: 1:30,000

**NOTE:**  
The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.

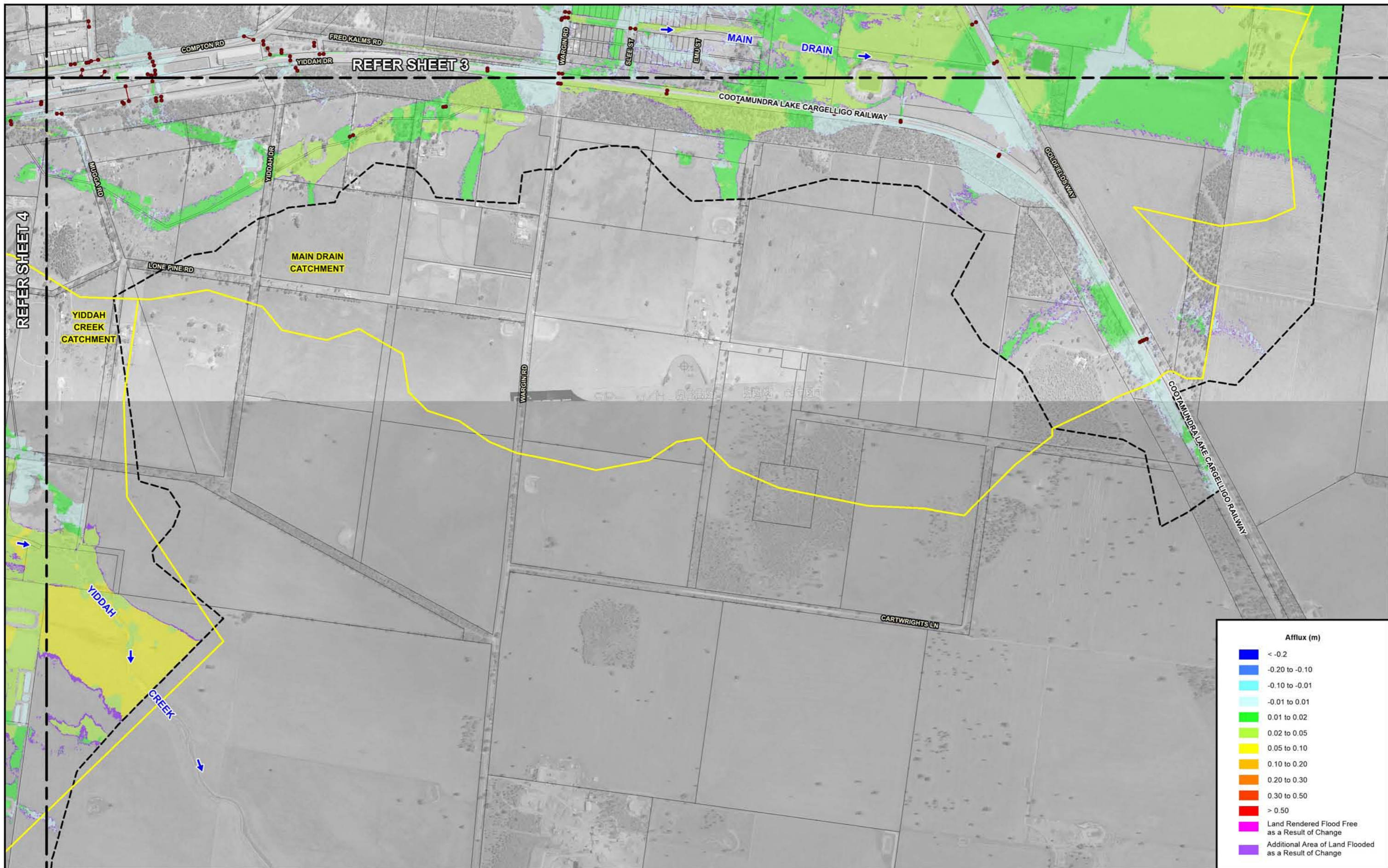
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- LEGEND**
- Modelled Stormwater Drainage System
  - Two-Dimensional Model Boundary
  - Study Catchments

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 6.17  
(Sheet 4 of 5)

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



Afflux (m)	
Blue	< -0.2
Light Blue	-0.20 to -0.10
Light Cyan	-0.10 to -0.01
Light Green	-0.01 to 0.01
Green	0.01 to 0.02
Light Yellow-Green	0.02 to 0.05
Yellow	0.05 to 0.10
Orange	0.10 to 0.20
Red-Orange	0.20 to 0.30
Red	0.30 to 0.50
Dark Red	> 0.50
Pink	Land Rendered Flood Free as a Result of Change
Purple	Additional Area of Land Flooded as a Result of Change

Scale: 1:30,000

**NOTE:**  
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 Flood depths not shown within the footprint of existing buildings.

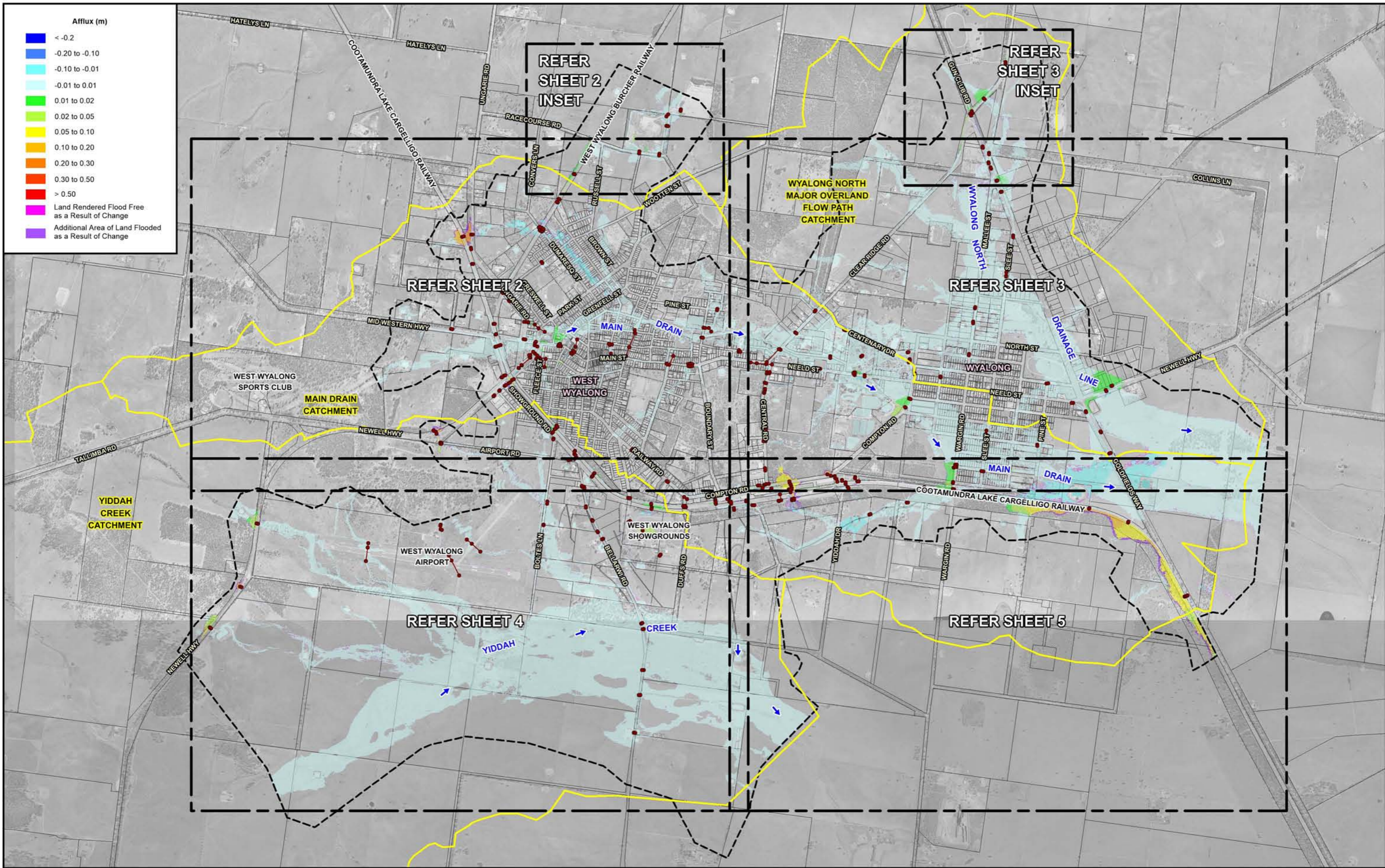
**LEGEND**

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Study Catchments

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 6.17 (Sheet 5 of 5)

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



- 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

Scale: 1:30,000

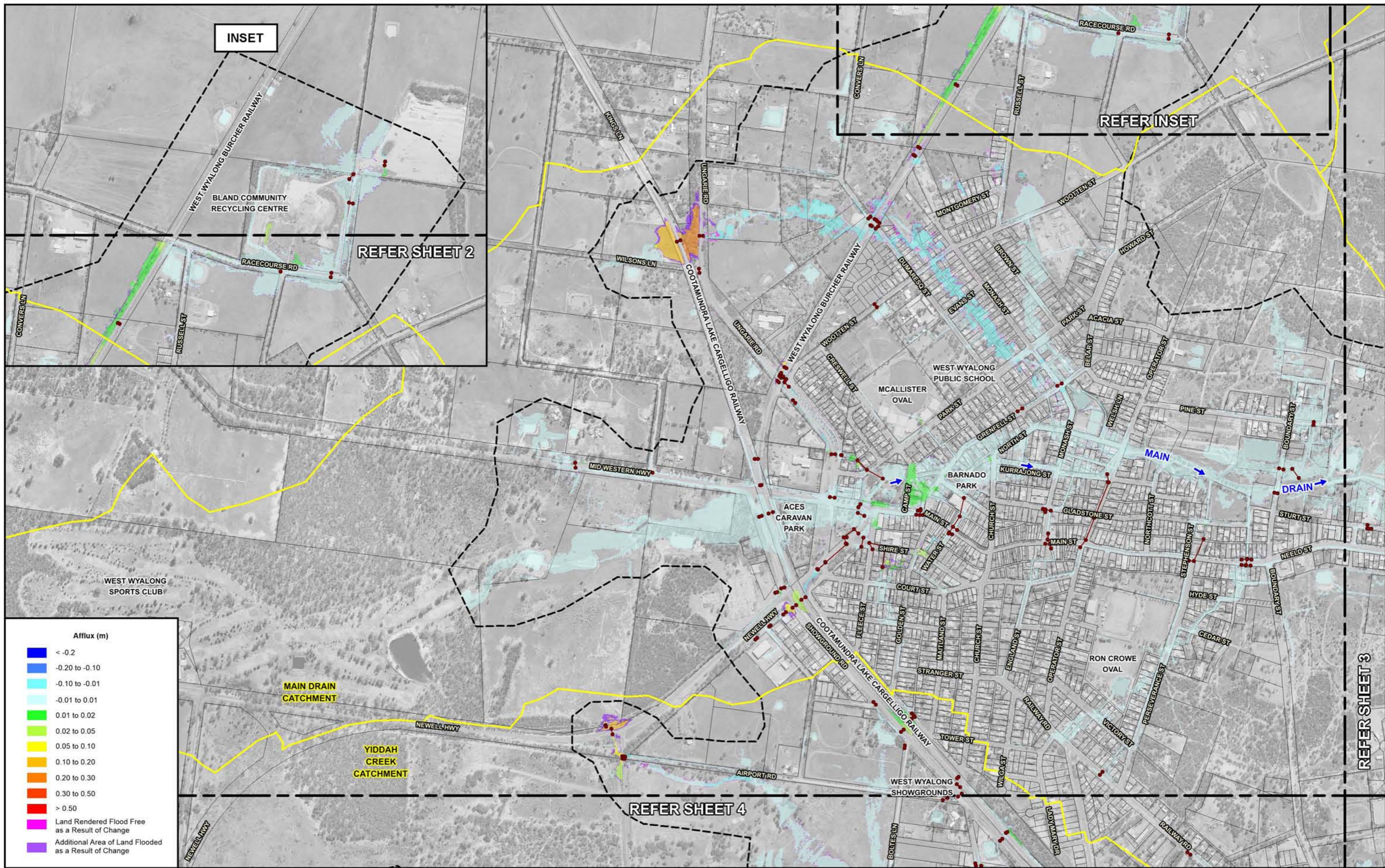
**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.  
 Flood depths are therefore approximate only and 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
  - Study Catchments

**WYALONG AND WEST WYALONG FLOOD STUDY**

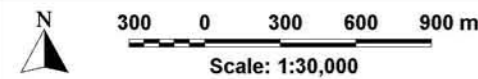
Figure 6.18  
 (Sheet 1 of 5)

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



**Afflux (m)**

Blue	< -0.2
Light Blue	-0.20 to -0.10
Cyan	-0.10 to -0.01
Light Green	-0.01 to 0.01
Green	0.01 to 0.02
Light Yellow	0.02 to 0.05
Yellow	0.05 to 0.10
Orange	0.10 to 0.20
Red-Orange	0.20 to 0.30
Red	0.30 to 0.50
Dark Red	> 0.50
Pink	Land Rendered Flood Free as a Result of Change
Purple	Additional Area of Land Flooded as a Result of Change



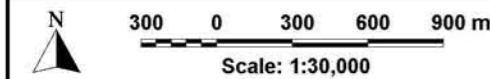
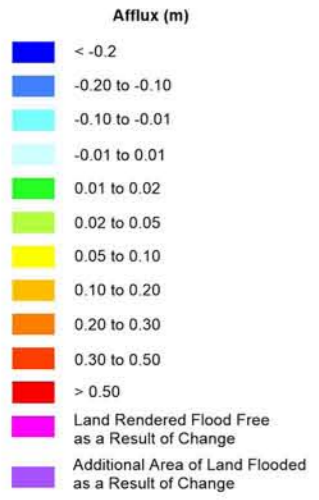
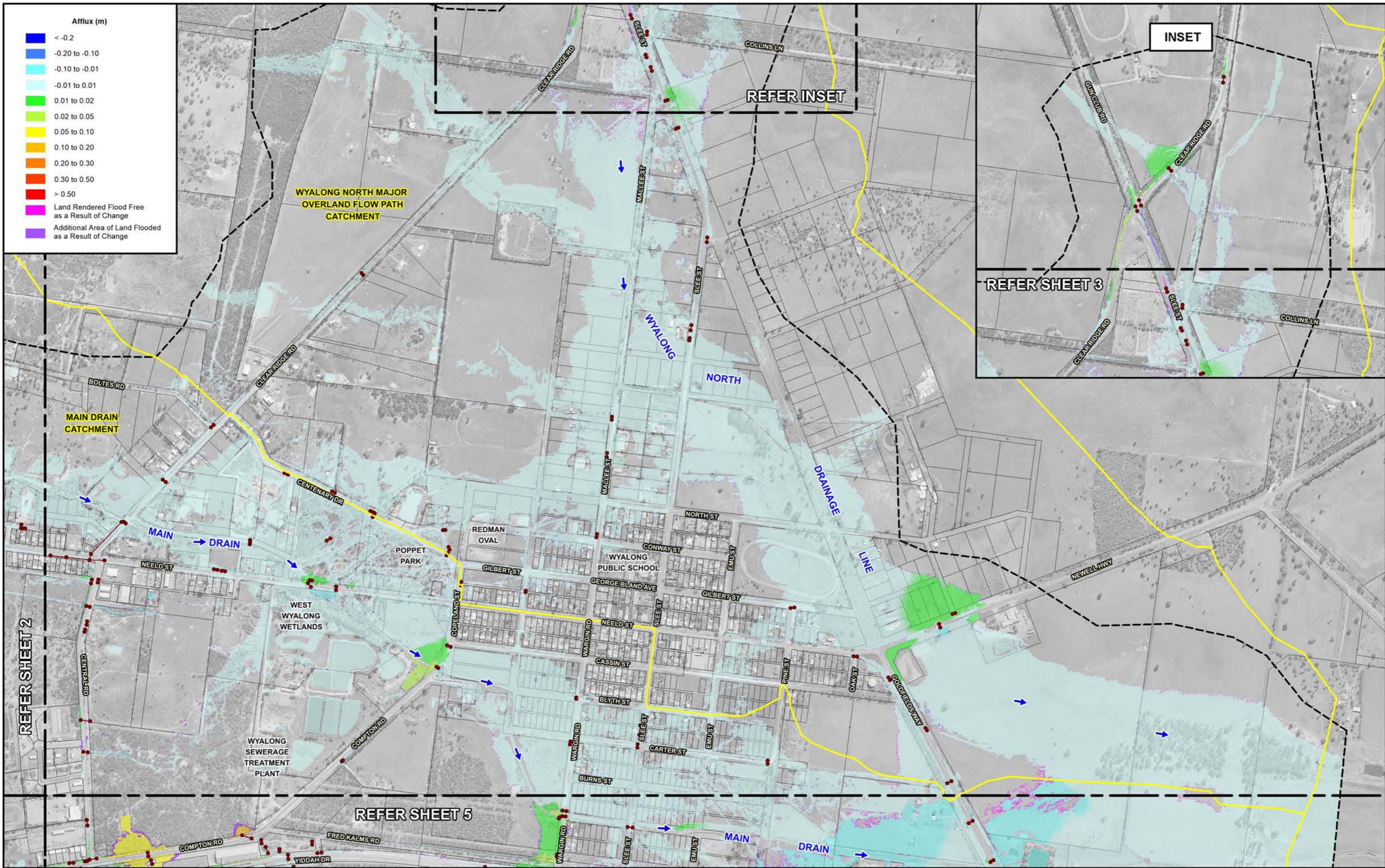
**NOTE:**  
The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.

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.

- LEGEND**
- Modelled Stormwater Drainage System
  - Study Catchments
  - Two-Dimensional Model Boundary

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 6.18  
(Sheet 2 of 5)



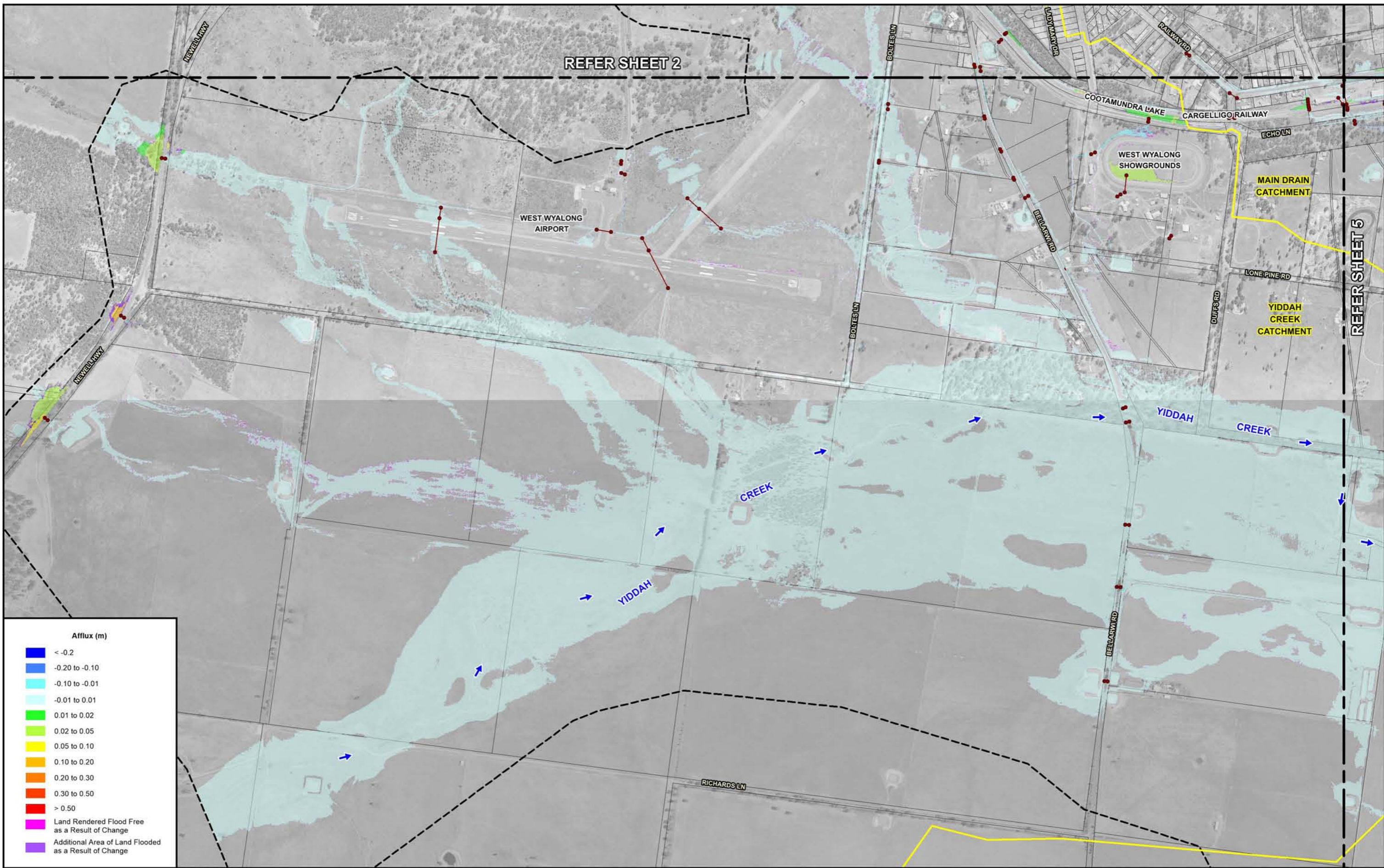
**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.  
 Flood depths are therefore approximate only and 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
  - Study Catchments
  - Two-Dimensional Model Boundary



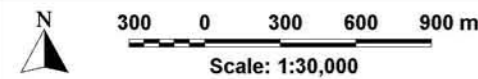
**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 6.18  
(Sheet 3 of 5)



**Afflux (m)**

Blue	< -0.2
Light Blue	-0.20 to -0.10
Cyan	-0.10 to -0.01
Light Green	-0.01 to 0.01
Green	0.01 to 0.02
Light Yellow	0.02 to 0.05
Yellow	0.05 to 0.10
Orange	0.10 to 0.20
Red-Orange	0.20 to 0.30
Red	0.30 to 0.50
Dark Red	> 0.50
Pink	Land Rendered Flood Free as a Result of Change
Purple	Additional Area of Land Flooded as a Result of Change



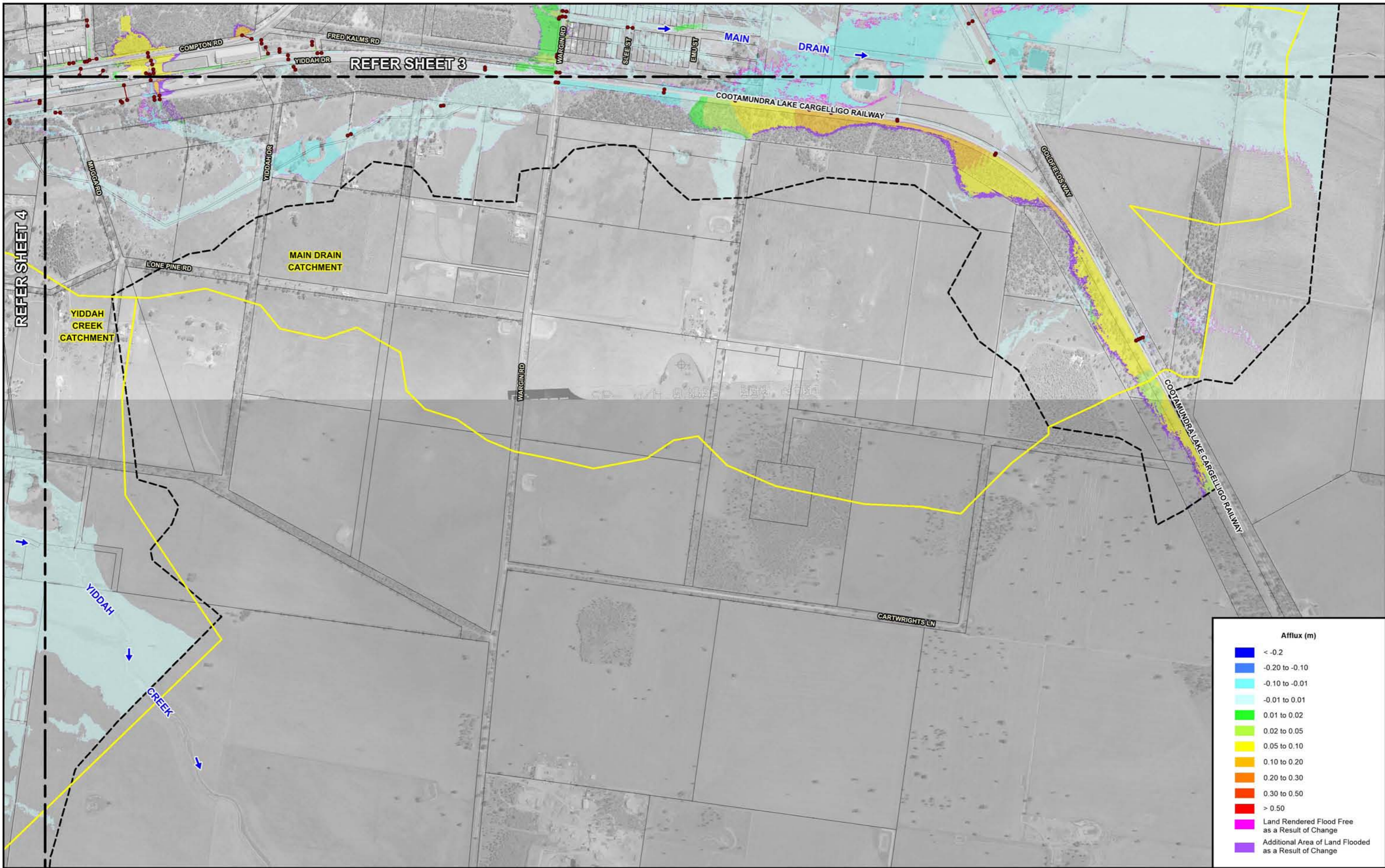
**NOTE:**  
The ground surface model incorporated in TUFLOW is based on LiDAR survey which has been sampled on a 3 m grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.

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.

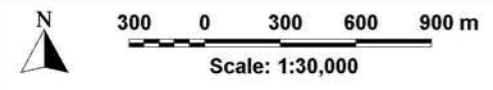
- LEGEND**
- Modelled Stormwater Drainage System
  - Two-Dimensional Model Boundary
  - Study Catchments

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 6.18  
(Sheet 4 of 5)



Afflux (m)	
Dark Blue	< -0.2
Blue	-0.20 to -0.10
Cyan	-0.10 to -0.01
Light Cyan	-0.01 to 0.01
Light Green	0.01 to 0.02
Green	0.02 to 0.05
Yellow-Green	0.05 to 0.10
Yellow	0.10 to 0.20
Orange	0.20 to 0.30
Red-Orange	0.30 to 0.50
Red	> 0.50
Magenta	Land Rendered Flood Free as a Result of Change
Purple	Additional Area of Land Flooded as a Result of Change

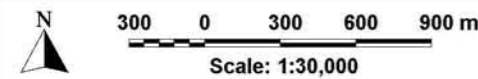
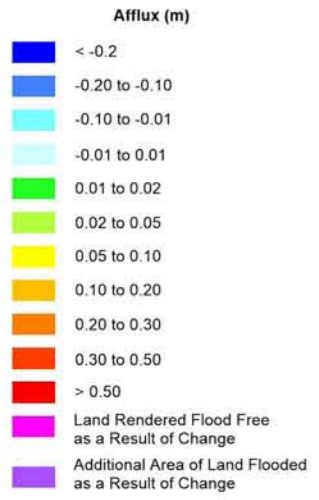
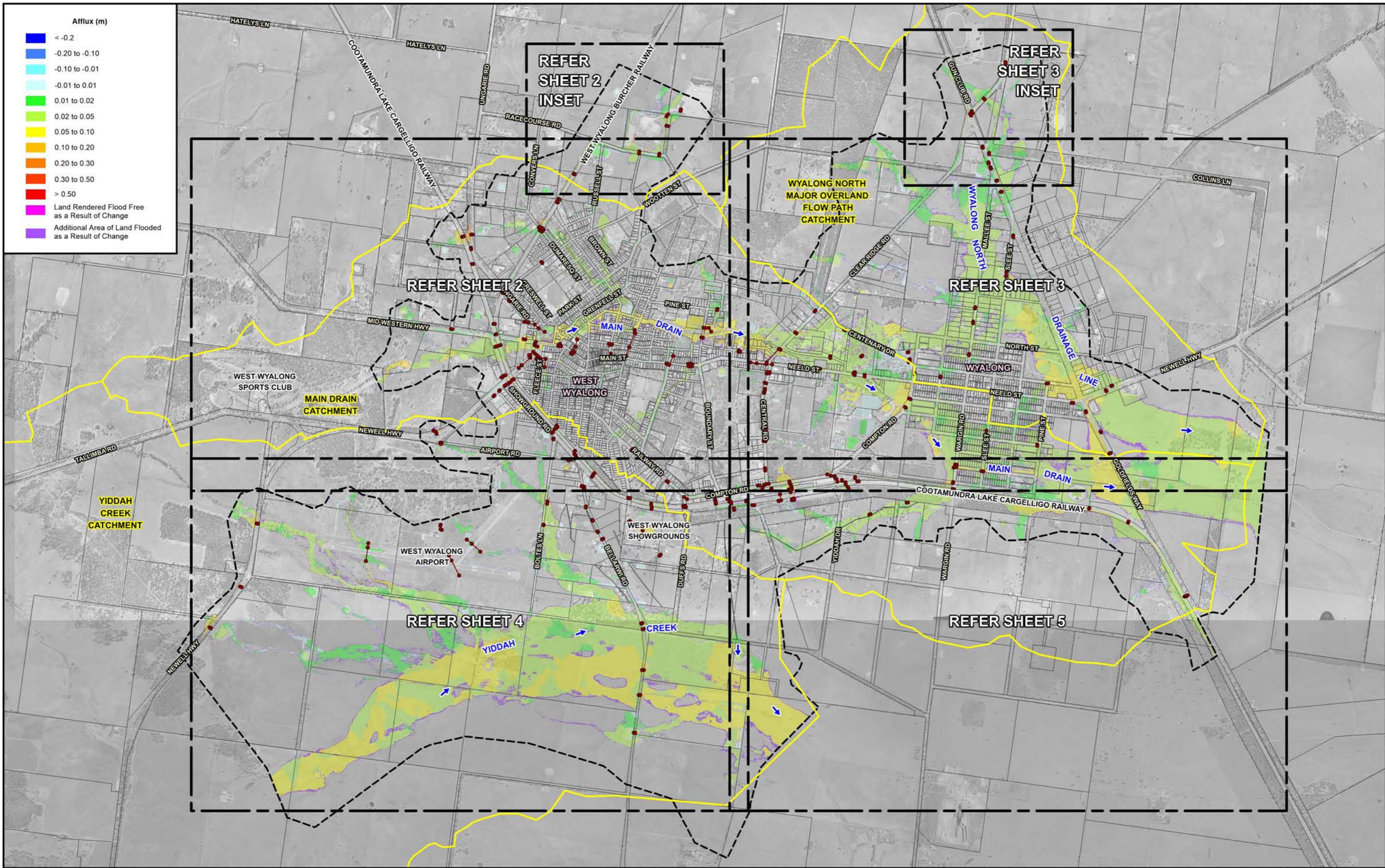


**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.  
 Flood depths are therefore approximate only and 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
  - Study Catchments
  - - - Two-Dimensional Model Boundary

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 6.18  
(Sheet 5 of 5)



**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) 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.

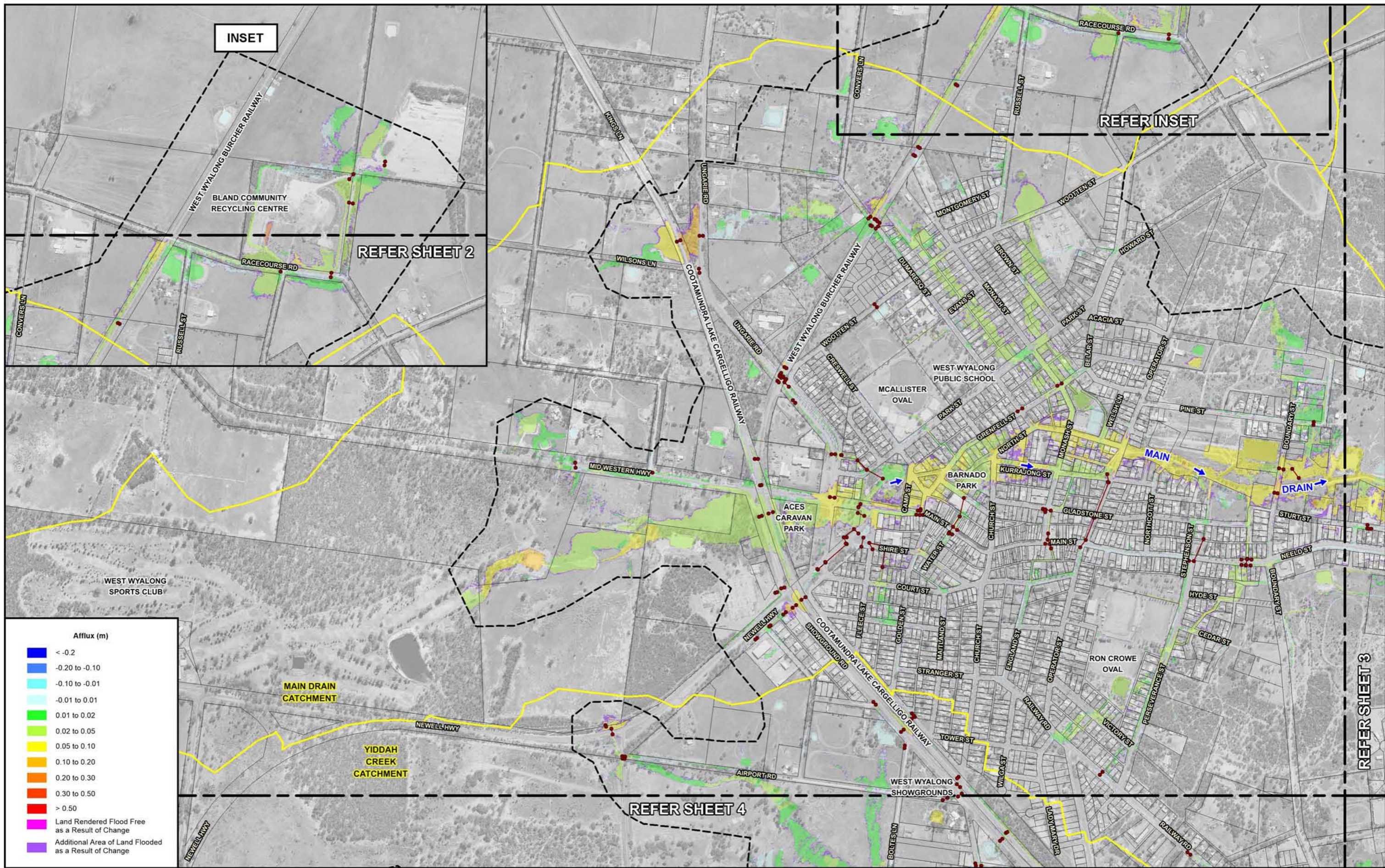
- LEGEND**
- Modelled Stormwater Drainage System
  - Two-Dimensional Model Boundary
  - Study Catchments

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 6.19  
 (Sheet 1 of 5)

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





**Afflux (m)**

Blue	< -0.2
Light Blue	-0.20 to -0.10
Cyan	-0.10 to -0.01
Light Green	-0.01 to 0.01
Green	0.01 to 0.02
Light Yellow-Green	0.02 to 0.05
Yellow	0.05 to 0.10
Orange	0.10 to 0.20
Red-Orange	0.20 to 0.30
Red	0.30 to 0.50
Dark Red	> 0.50
Pink	Land Rendered Flood Free as a Result of Change
Purple	Additional Area of Land Flooded as a Result of Change

Scale: 1:30,000

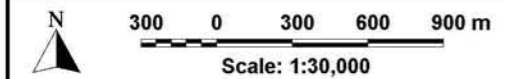
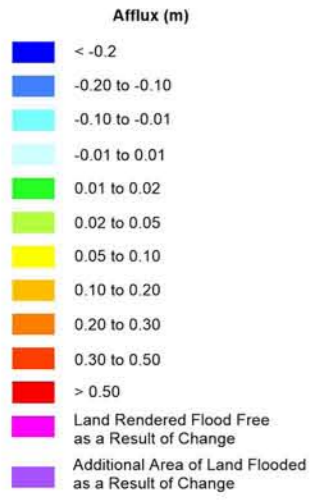
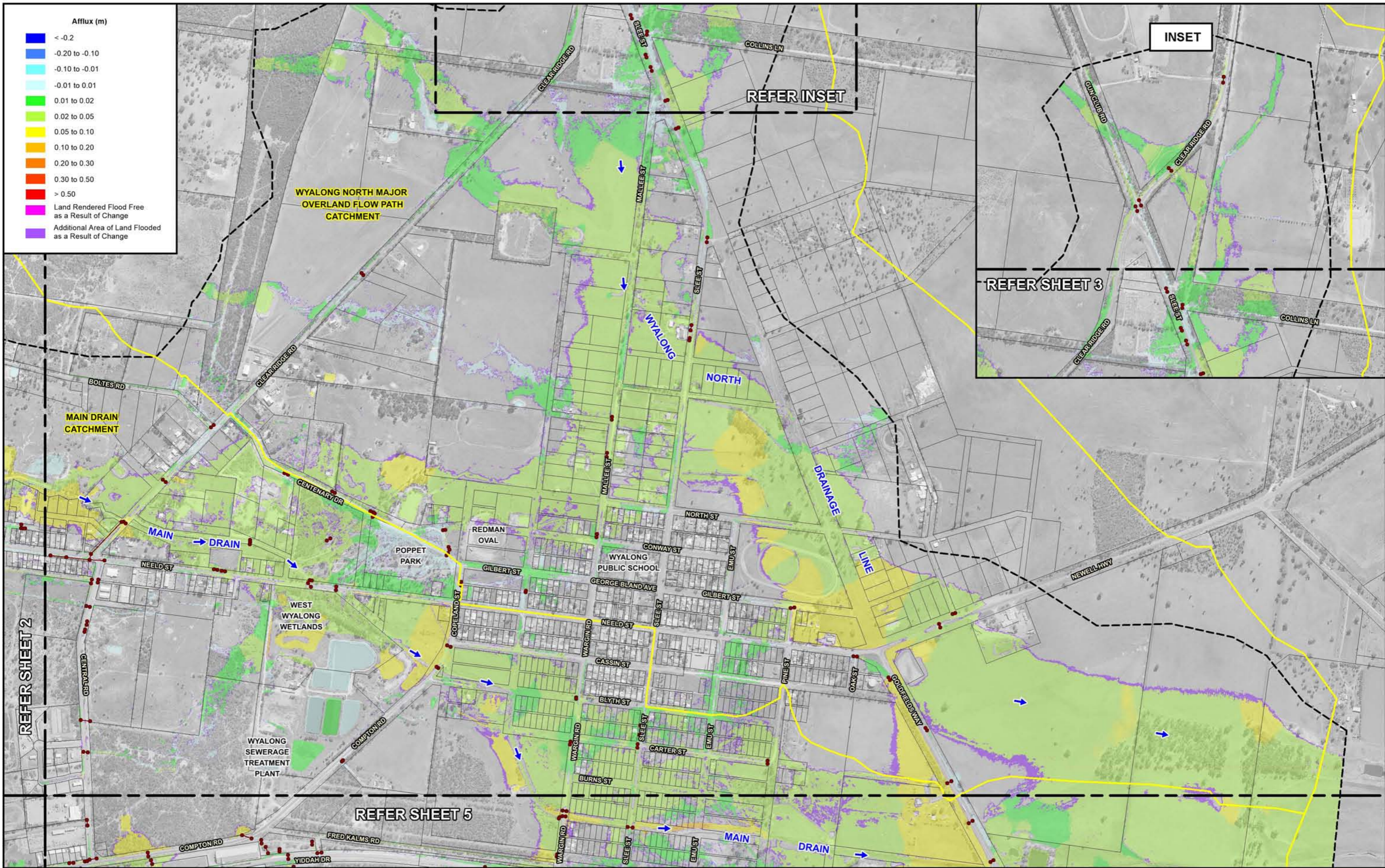
**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.  
 Flood depths are therefore approximate only and 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
  - Study Catchments

**WYALONG AND WEST WYALONG FLOOD STUDY**

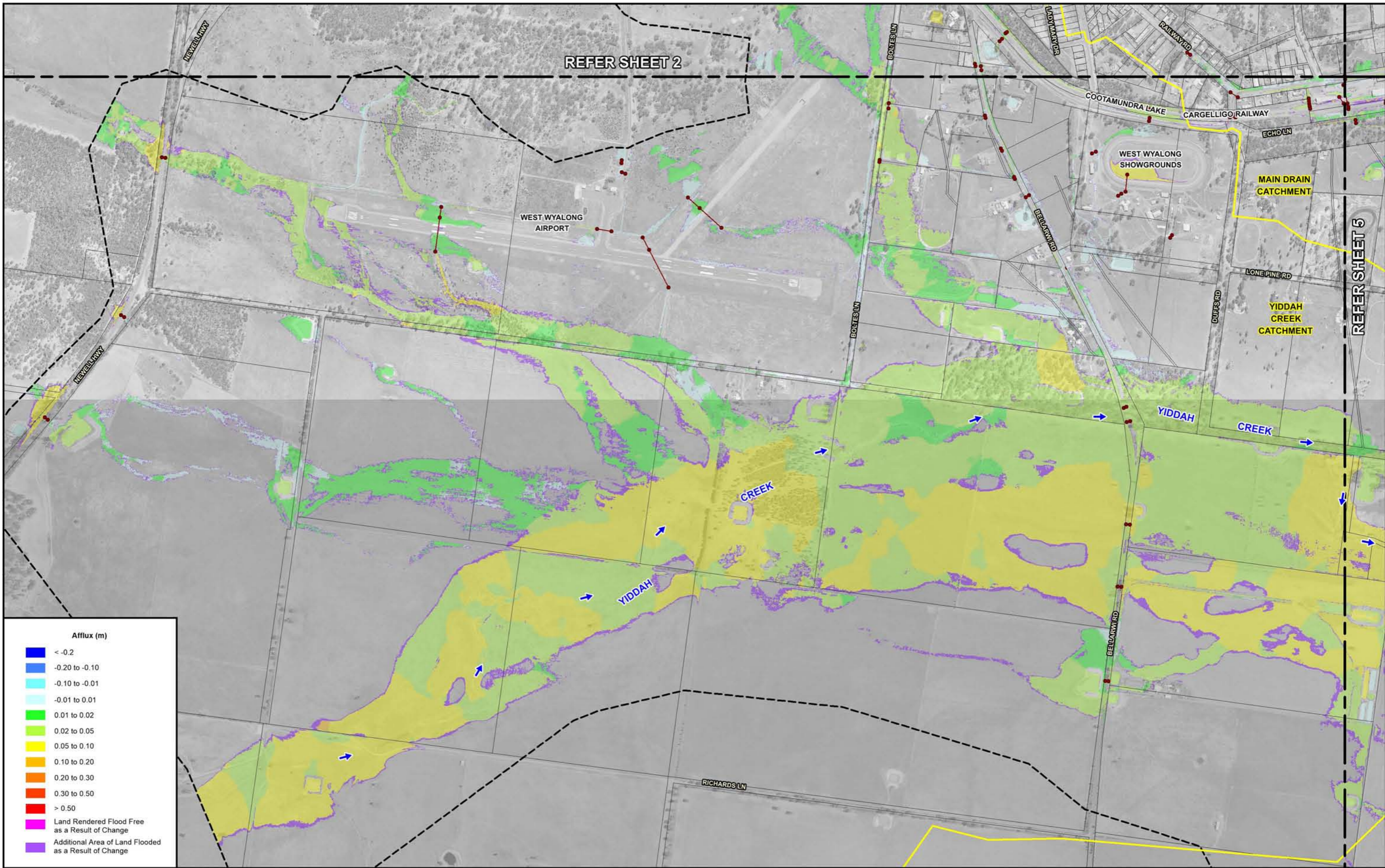
Figure 6.19 (Sheet 2 of 5)

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



**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) 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
  - Study Catchments



REFER SHEET 2

REFER SHEET 5

WEST WYALONG AIRPORT

WEST WYALONG SHOWGROUNDS

MAIN DRAIN CATCHMENT

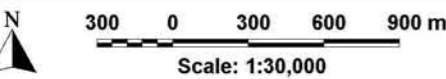
YIDDAH CREEK CATCHMENT

YIDDAH CREEK

CREEK

YIDDAH

Afflux (m)	
[Dark Blue]	< -0.2
[Blue]	-0.20 to -0.10
[Light Blue]	-0.10 to -0.01
[Cyan]	-0.01 to 0.01
[Green]	0.01 to 0.02
[Light Green]	0.02 to 0.05
[Yellow-Green]	0.05 to 0.10
[Yellow]	0.10 to 0.20
[Orange]	0.20 to 0.30
[Red-Orange]	0.30 to 0.50
[Red]	> 0.50
[Pink]	Land Rendered Flood Free as a Result of Change
[Purple]	Additional Area of Land Flooded as a Result of Change



**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LiDAR survey which has been sampled on a 3 m (min) 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.

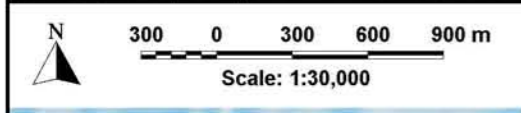
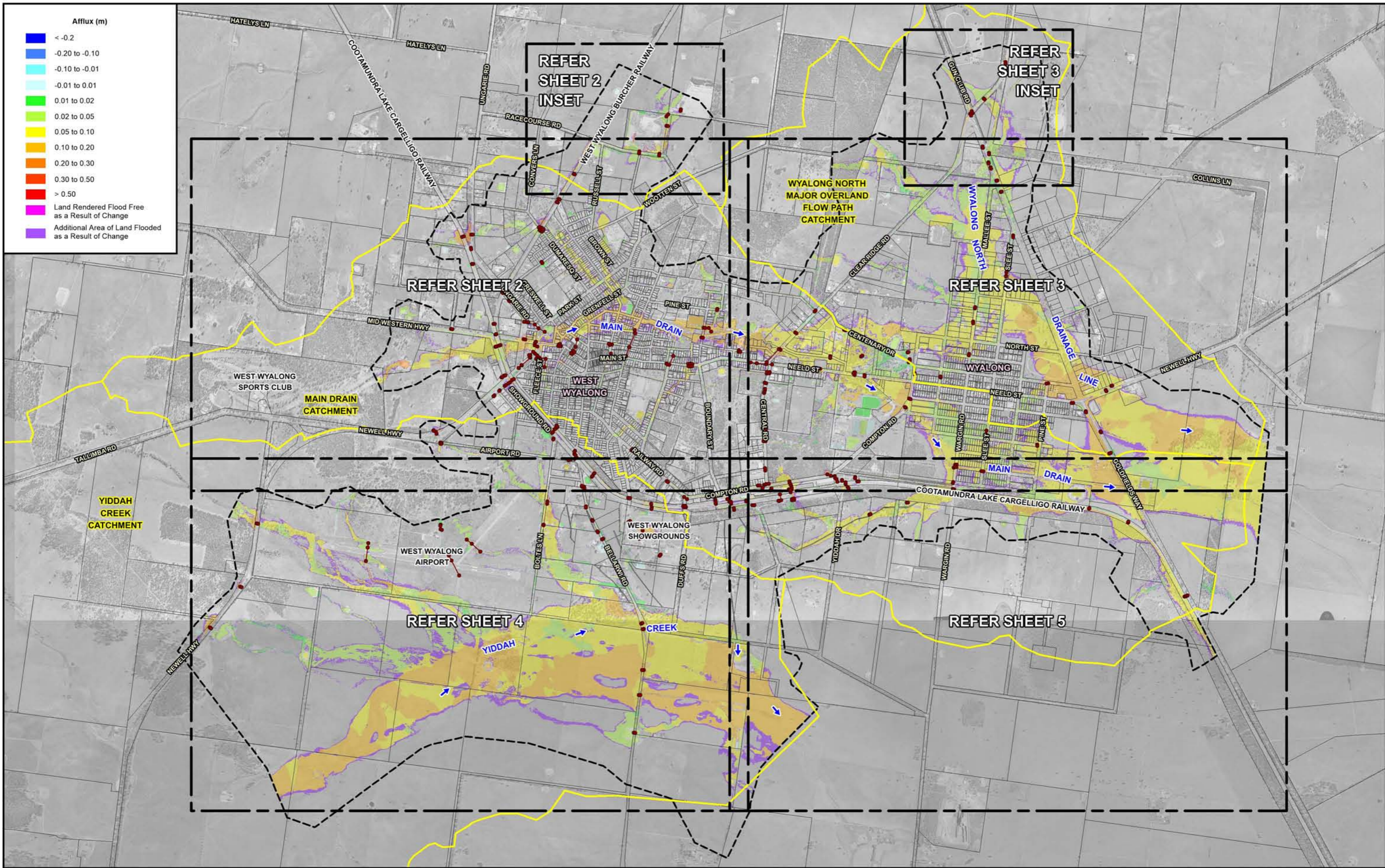
- LEGEND**
- Modelled Stormwater Drainage System
  - Two-Dimensional Model Boundary
  - Study Catchments

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 6.19  
(Sheet 4 of 5)

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





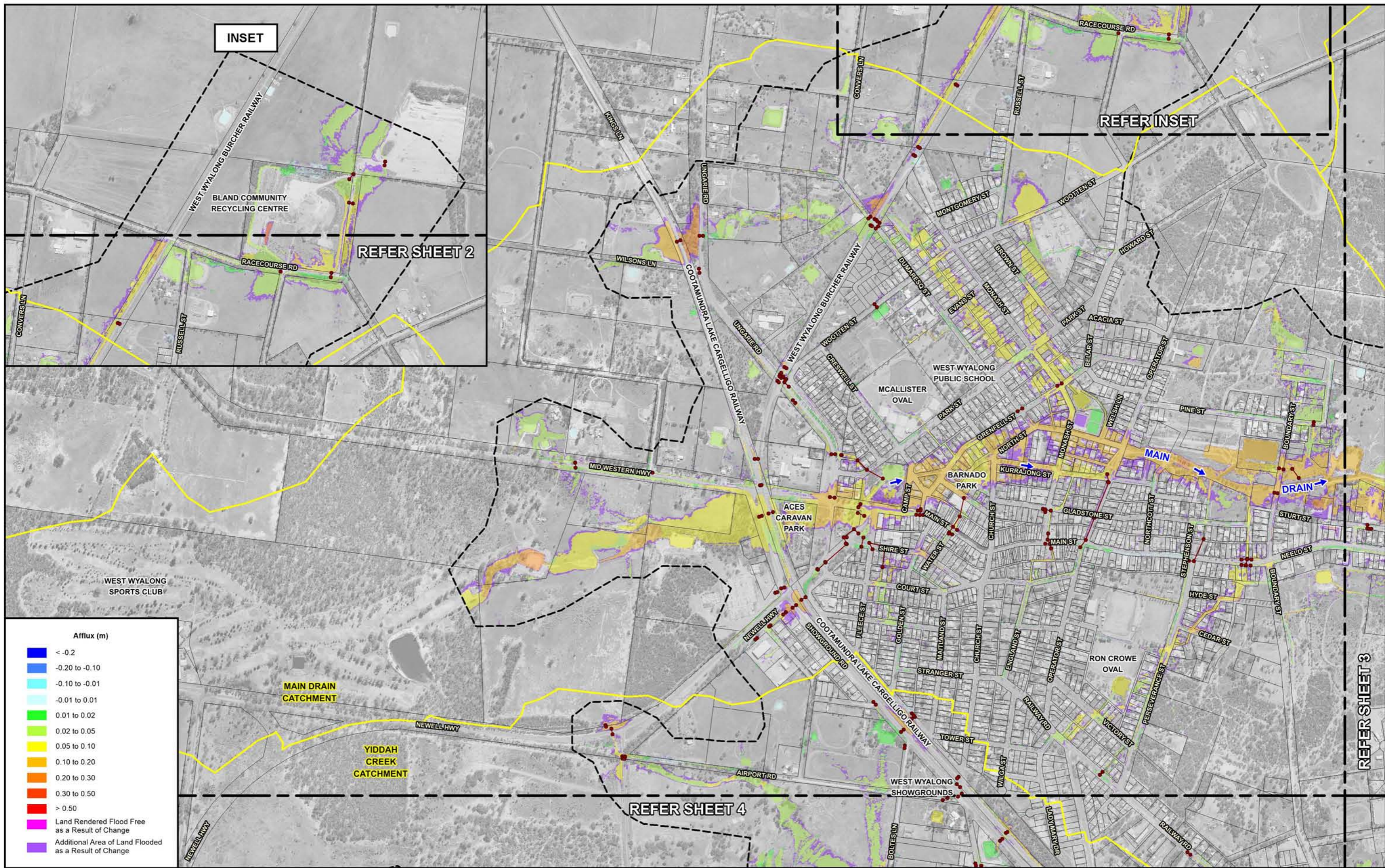
**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.  
 Flood depths are therefore approximate only and 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
  - Study Catchments

**WYALONG AND WEST WYALONG FLOOD STUDY**

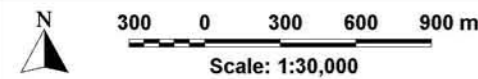
Figure 6.20  
 (Sheet 1 of 5)

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



**Afflux (m)**

Blue	< -0.2
Light Blue	-0.20 to -0.10
Cyan	-0.10 to -0.01
Light Green	-0.01 to 0.01
Green	0.01 to 0.02
Light Yellow	0.02 to 0.05
Yellow	0.05 to 0.10
Orange	0.10 to 0.20
Red-Orange	0.20 to 0.30
Red	0.30 to 0.50
Dark Red	> 0.50
Pink	Land Rendered Flood Free as a Result of Change
Purple	Additional Area of Land Flooded as a Result of Change



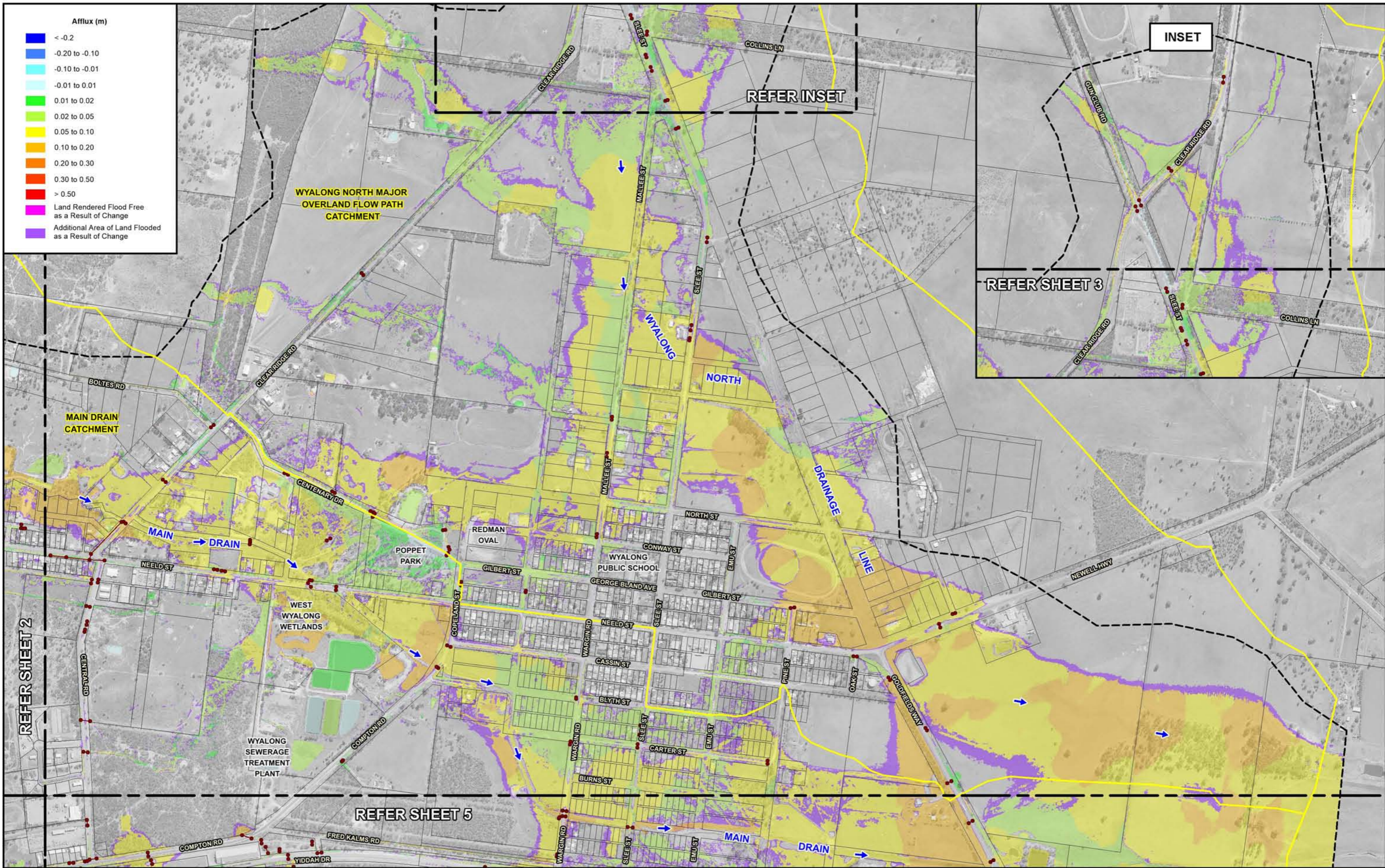
**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.  
 Flood depths are therefore approximate only and 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
  - Study Catchments

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 6.20 (Sheet 2 of 5)

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

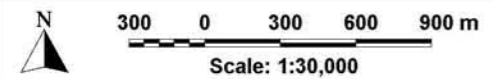
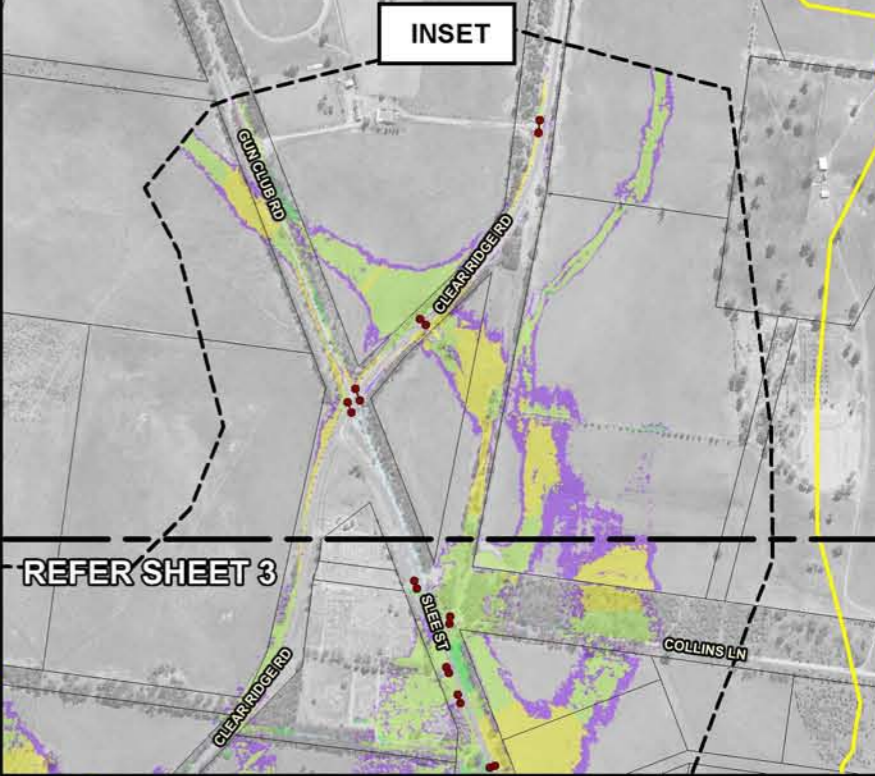


**Afflux (m)**

Blue	< -0.2
Light Blue	-0.20 to -0.10
Cyan	-0.10 to -0.01
Light Green	-0.01 to 0.01
Green	0.01 to 0.02
Yellow-Green	0.02 to 0.05
Yellow	0.05 to 0.10
Orange	0.10 to 0.20
Red-Orange	0.20 to 0.30
Red	0.30 to 0.50
Dark Red	> 0.50

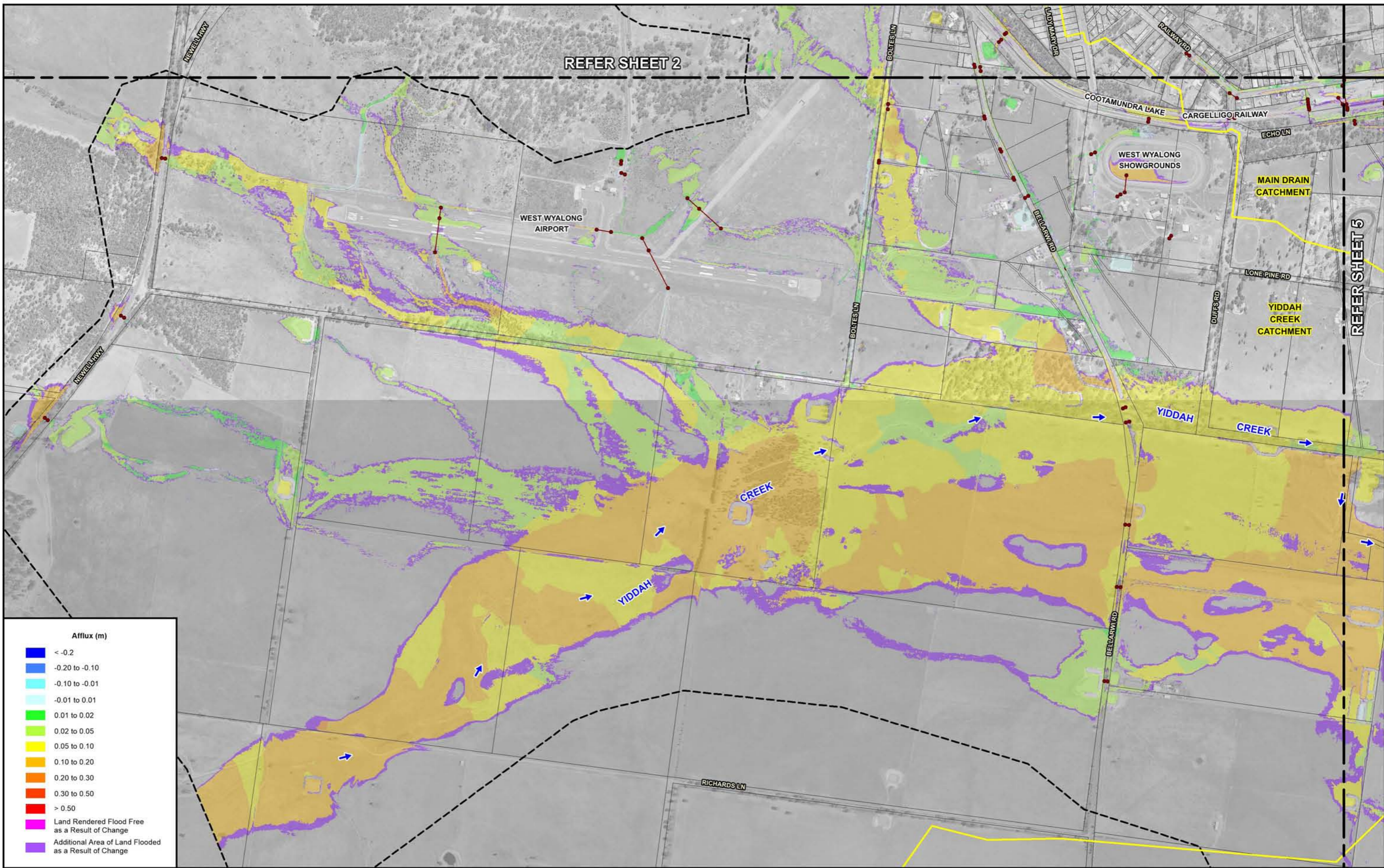
Land Rendered Flood Free as a Result of Change (Pink)

Additional Area of Land Flooded as a Result of Change (Purple)



**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) 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
  - Study Catchments

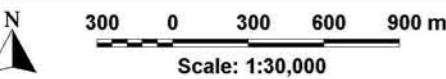


REFER SHEET 2

REFER SHEET 5

**Afflux (m)**

Blue	< -0.2
Light Blue	-0.20 to -0.10
Cyan	-0.10 to -0.01
Light Green	-0.01 to 0.01
Green	0.01 to 0.02
Light Yellow	0.02 to 0.05
Yellow	0.05 to 0.10
Orange	0.10 to 0.20
Red-Orange	0.20 to 0.30
Red	0.30 to 0.50
Dark Red	> 0.50
Pink	Land Rendered Flood Free as a Result of Change
Purple	Additional Area of Land Flooded as a Result of Change



**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) 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.

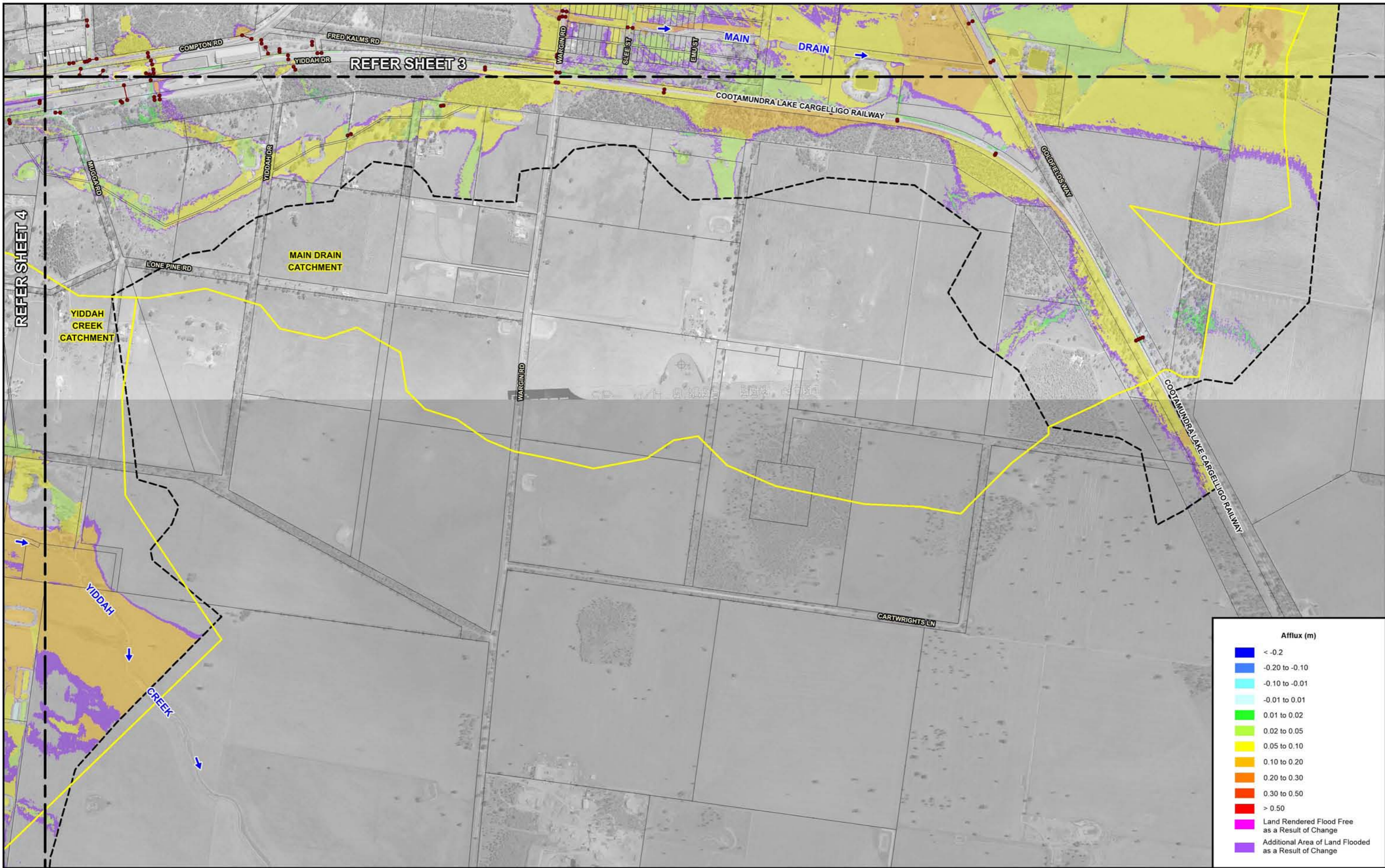
- LEGEND**
- Modelled Stormwater Drainage System
  - Two-Dimensional Model Boundary
  - Study Catchments

**WYALONG AND WEST WYALONG FLOOD STUDY**

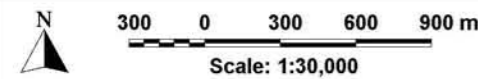
Figure 6.20  
(Sheet 4 of 5)

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





Afflux (m)	
Blue	< -0.2
Light Blue	-0.20 to -0.10
Cyan	-0.10 to -0.01
Light Green	-0.01 to 0.01
Green	0.01 to 0.02
Light Yellow	0.02 to 0.05
Yellow	0.05 to 0.10
Orange	0.10 to 0.20
Red-Orange	0.20 to 0.30
Red	0.30 to 0.50
Dark Red	> 0.50
Pink	Land Rendered Flood Free as a Result of Change
Purple	Additional Area of Land Flooded as a Result of Change



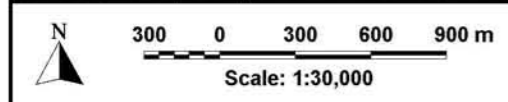
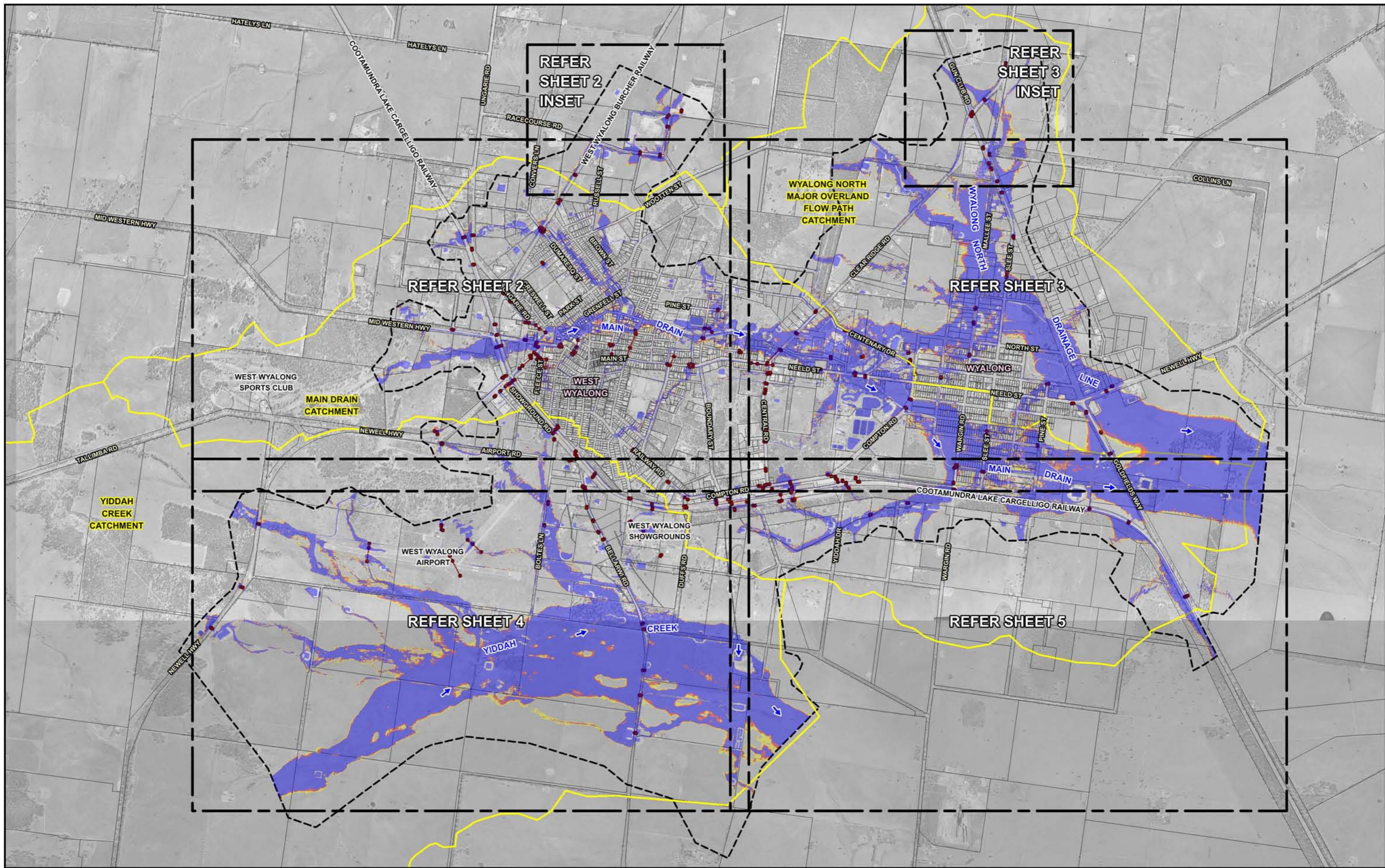
**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.  
 Flood depths are therefore approximate only and 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
  - Study Catchments
  - ▲— Peak Flow Location and Identifier



**WYALONG AND WEST WYALONG FLOOD STUDY**



Figure 6.20  
(Sheet 5 of 5)

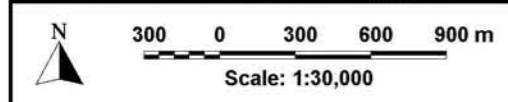
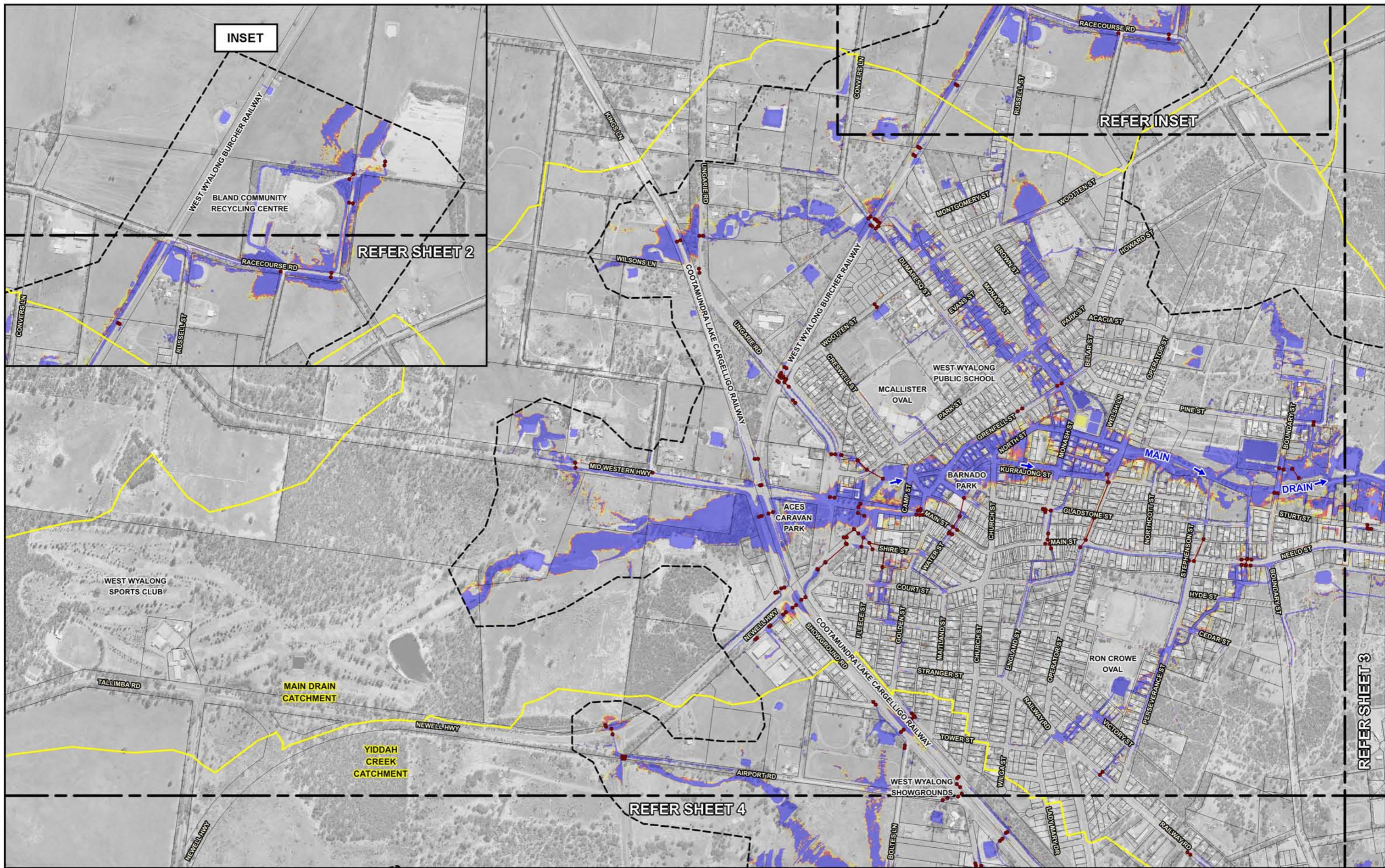
SENSITIVITY OF FLOOD BEHAVIOUR TO 30% INCREASE IN RAINFALL INTENSITY  
1% AEP



**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) 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.

-  Modelled Stormwater Drainage System
-  Two-Dimensional Model Boundary
-  Study Catchments

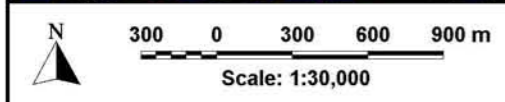
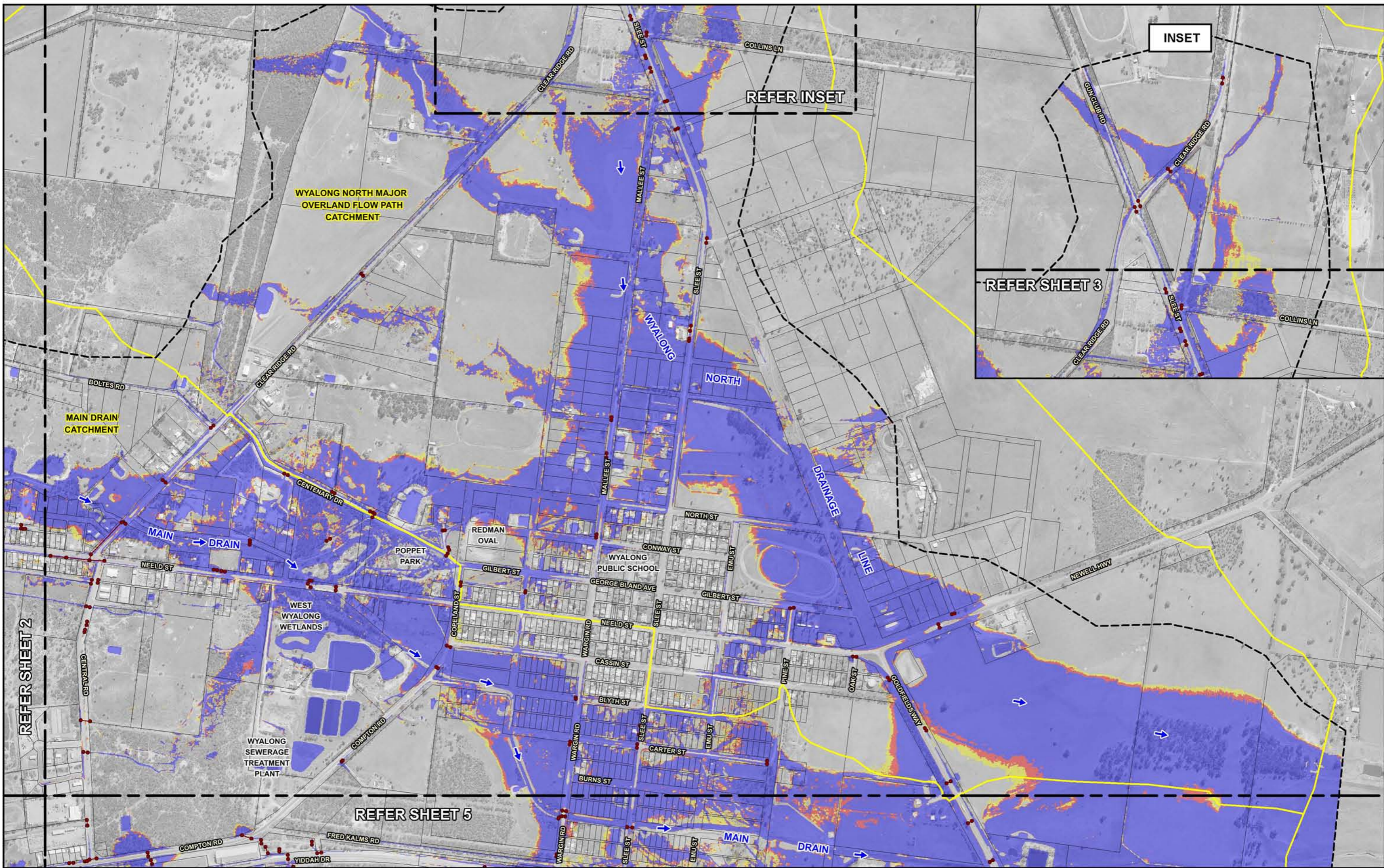
- LEGEND**
-  1% AEP
  -  1% AEP Rainfall Increased by 10%
  -  1% AEP Rainfall Increased by 30%



**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) 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
  - Study Catchments

- 1% AEP
- 1% AEP Rainfall Increased by 10%
- 1% AEP Rainfall Increased by 30%



**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) 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.

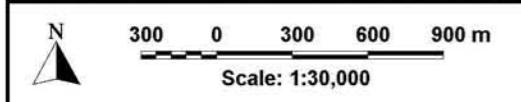
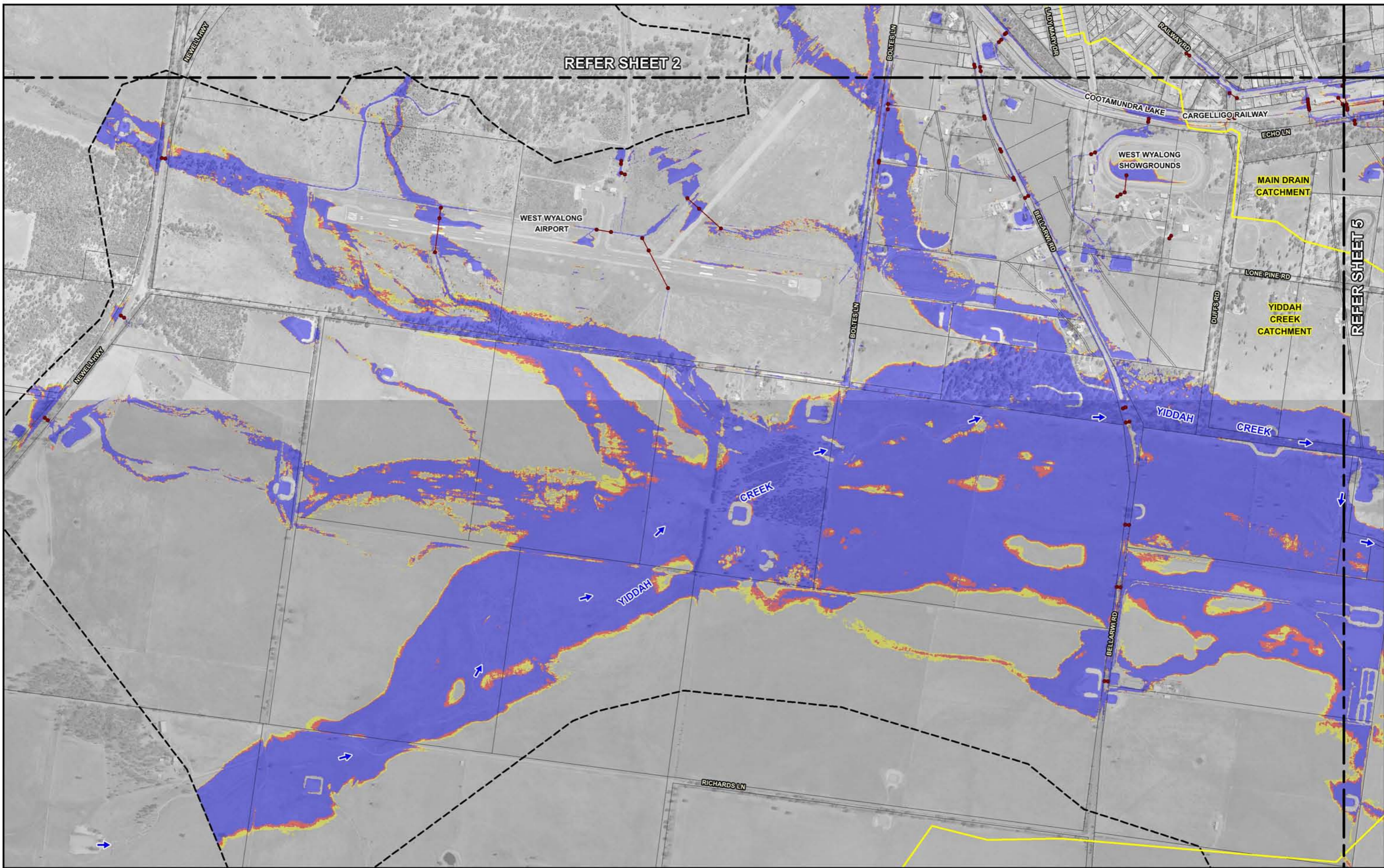
- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Study Catchments

- LEGEND**
- 1% AEP
  - 1% AEP Rainfall Increased by 10%
  - 1% AEP Rainfall Increased by 30%




**Lyall & Associates**




**WYALONG AND WEST WYALONG FLOOD STUDY**

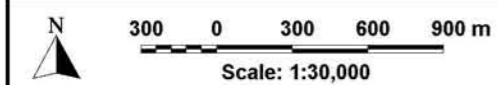
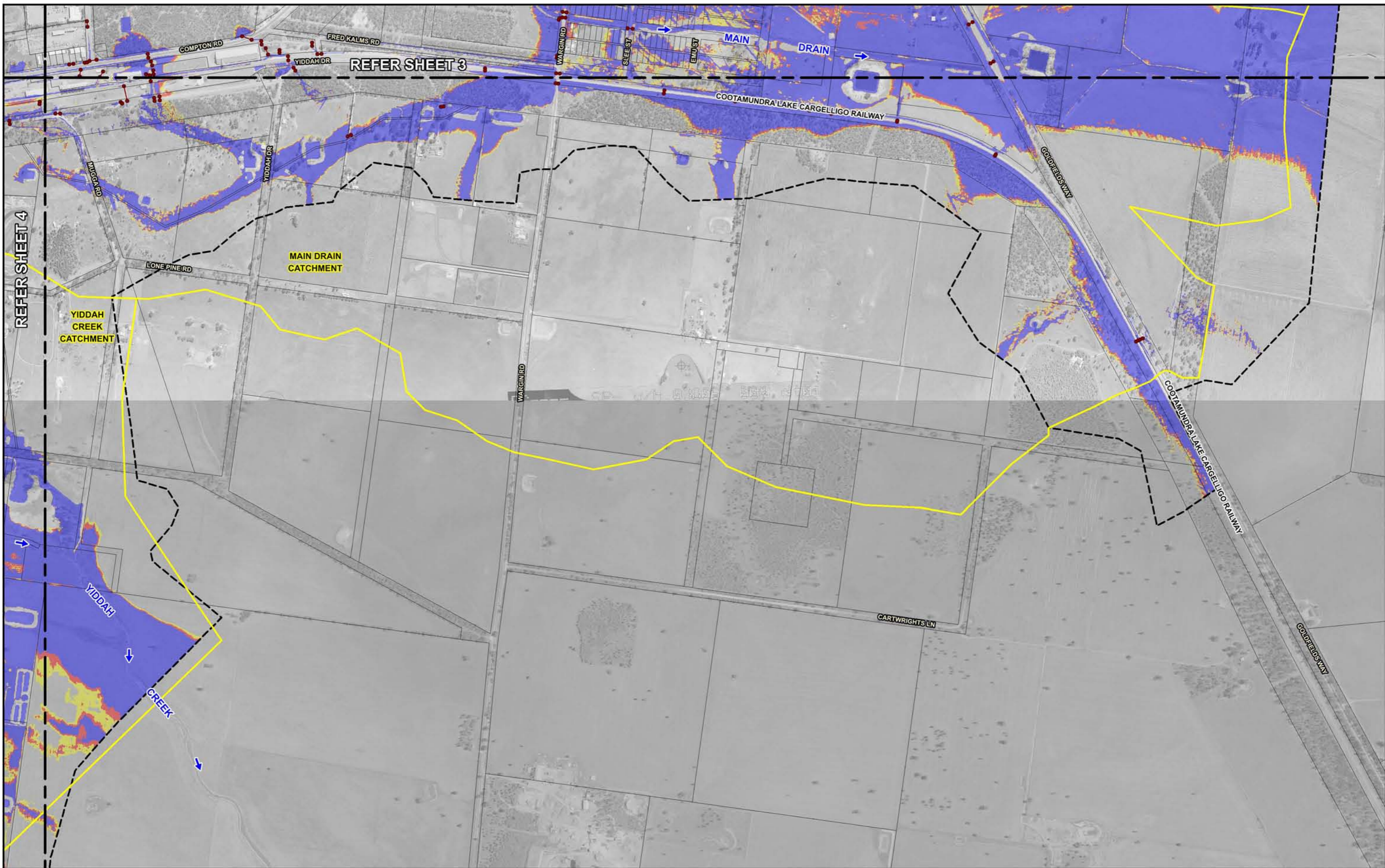
Figure 6.21  
 (Sheet 3 of 5)  
**IMPACT OF INCREASED RAINFALL INTENSITIES ON EXTENT OF FLOODING**  
 1% AEP



**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.  
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 Flood depths not shown within the footprint of existing buildings.

-  Modelled Stormwater Drainage System
-  Two-Dimensional Model Boundary
-  Study Catchments

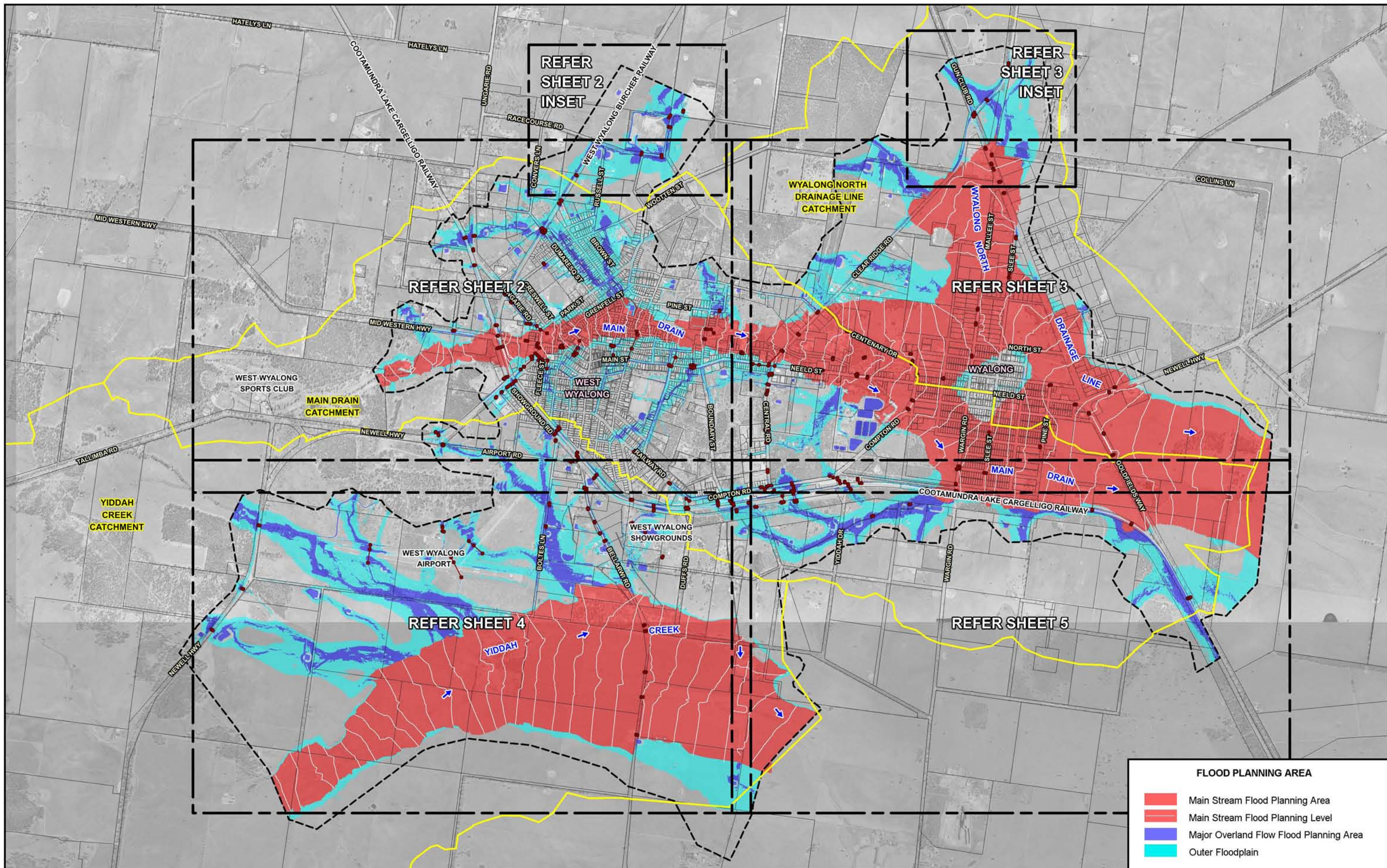
- LEGEND**
-  1% AEP
  -  1% AEP Rainfall Increased by 10%
  -  1% AEP Rainfall Increased by 30%



**NOTE:**  
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 Flood depths not shown within the footprint of existing buildings.

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Study Catchments

- LEGEND**
- 1% AEP
  - 1% AEP Rainfall Increased by 10%
  - 1% AEP Rainfall Increased by 30%



**FLOOD PLANNING AREA**

- Main Stream Flood Planning Area
- Main Stream Flood Planning Level
- Major Overland Flow Flood Planning Area
- Outer Floodplain

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 3 m (min) grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.  
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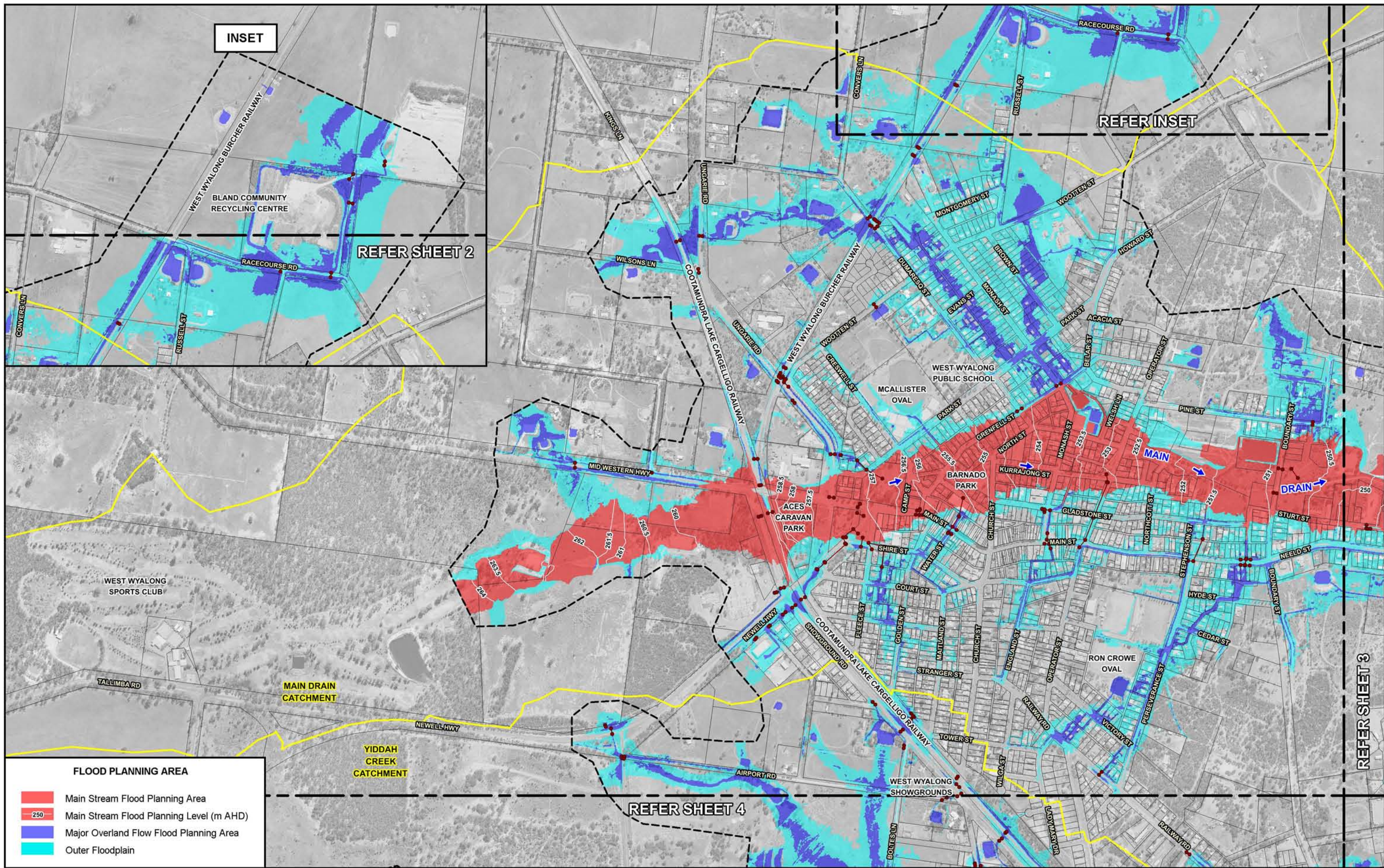
**LEGEND**

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Study Catchments

**WYALONG AND WEST WYALONG FLOOD STUDY**

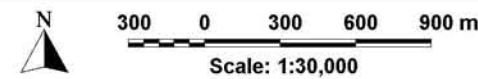
Figure 6.22  
 (Sheet 1 of 5)

**INTERIM FLOOD PLANNING AREA - MAIN STREAM FLOODING AND MAJOR OVERLAND FLOW AFFECTED AREAS 1% AEP**



**FLOOD PLANNING AREA**

- Main Stream Flood Planning Area
- Main Stream Flood Planning Level (m AHD)
- Major Overland Flow Flood Planning Area
- Outer Floodplain



**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) 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
- Study Catchments
- Two-Dimensional Model Boundary

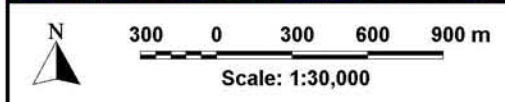
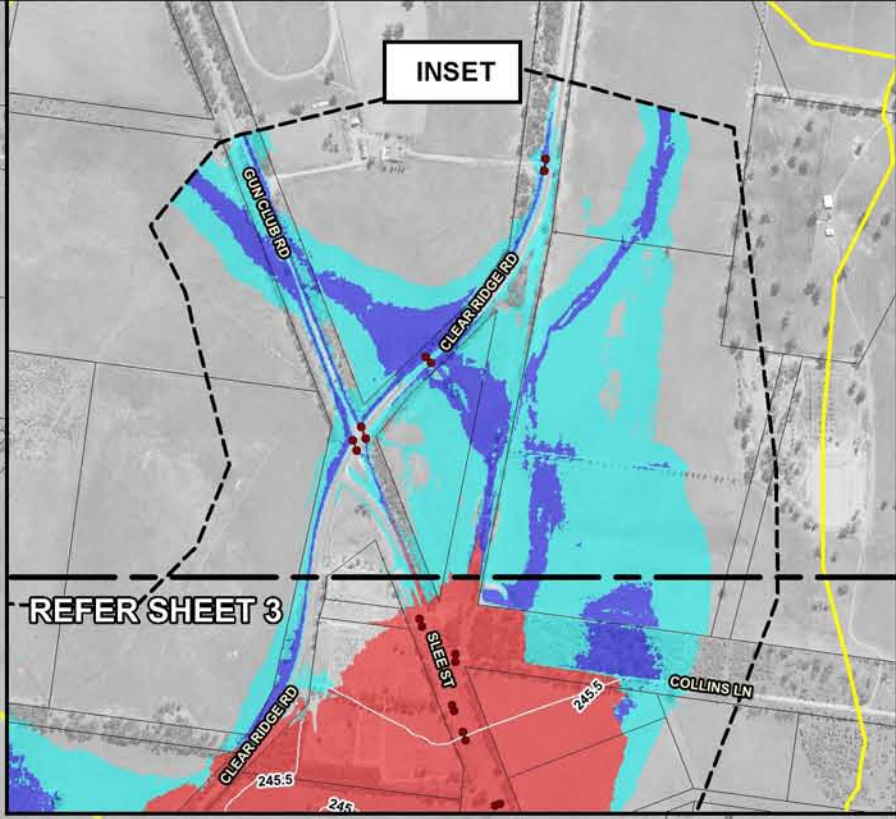
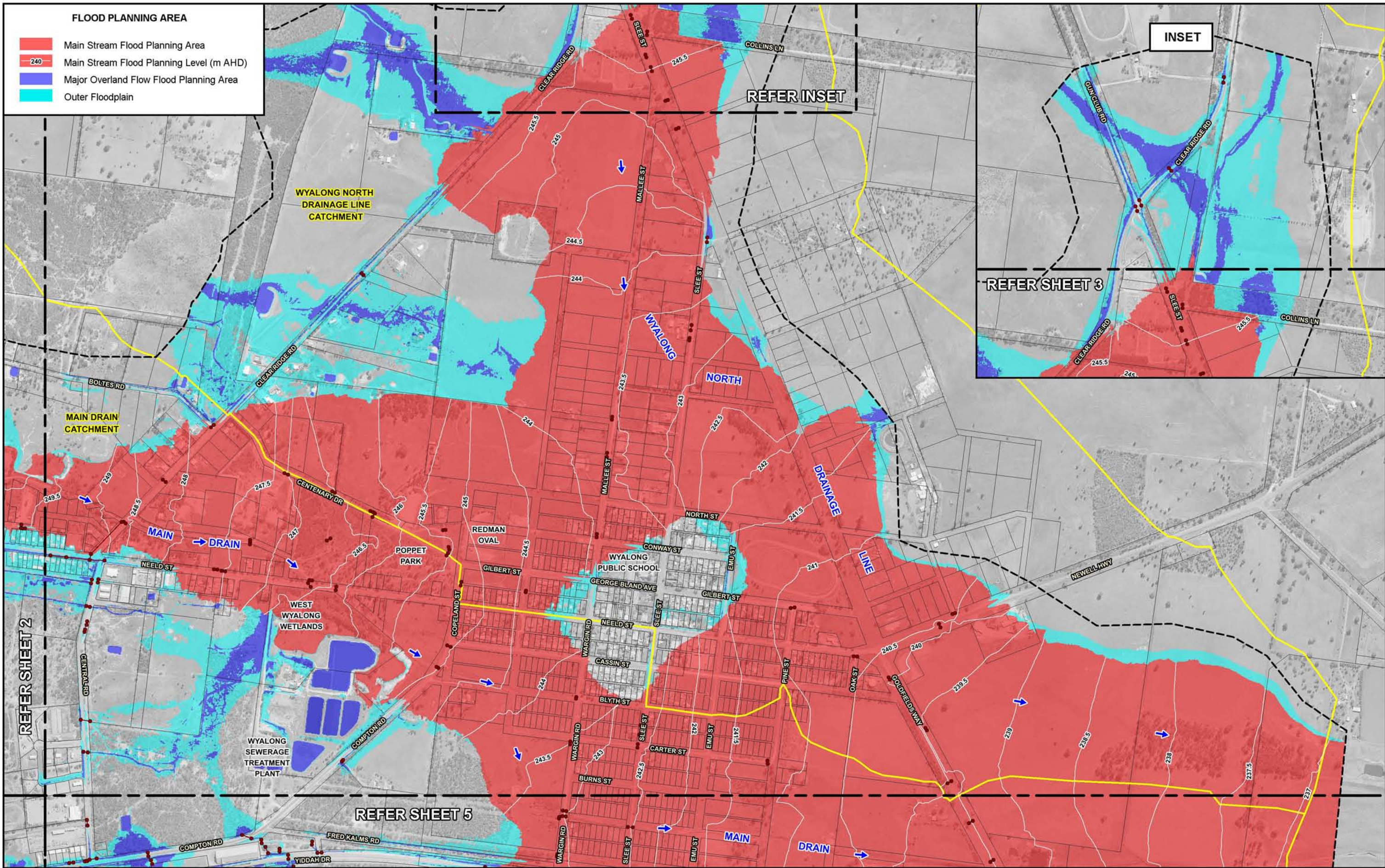
**Lyll & Associates**

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 6.22  
(Sheet 2 of 5)

**INTERIM FLOOD PLANNING AREA - MAIN STREAM FLOODING AND MAJOR OVERLAND FLOW AFFECTED AREAS**  
1% AEP





**NOTE:**  
 The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.  
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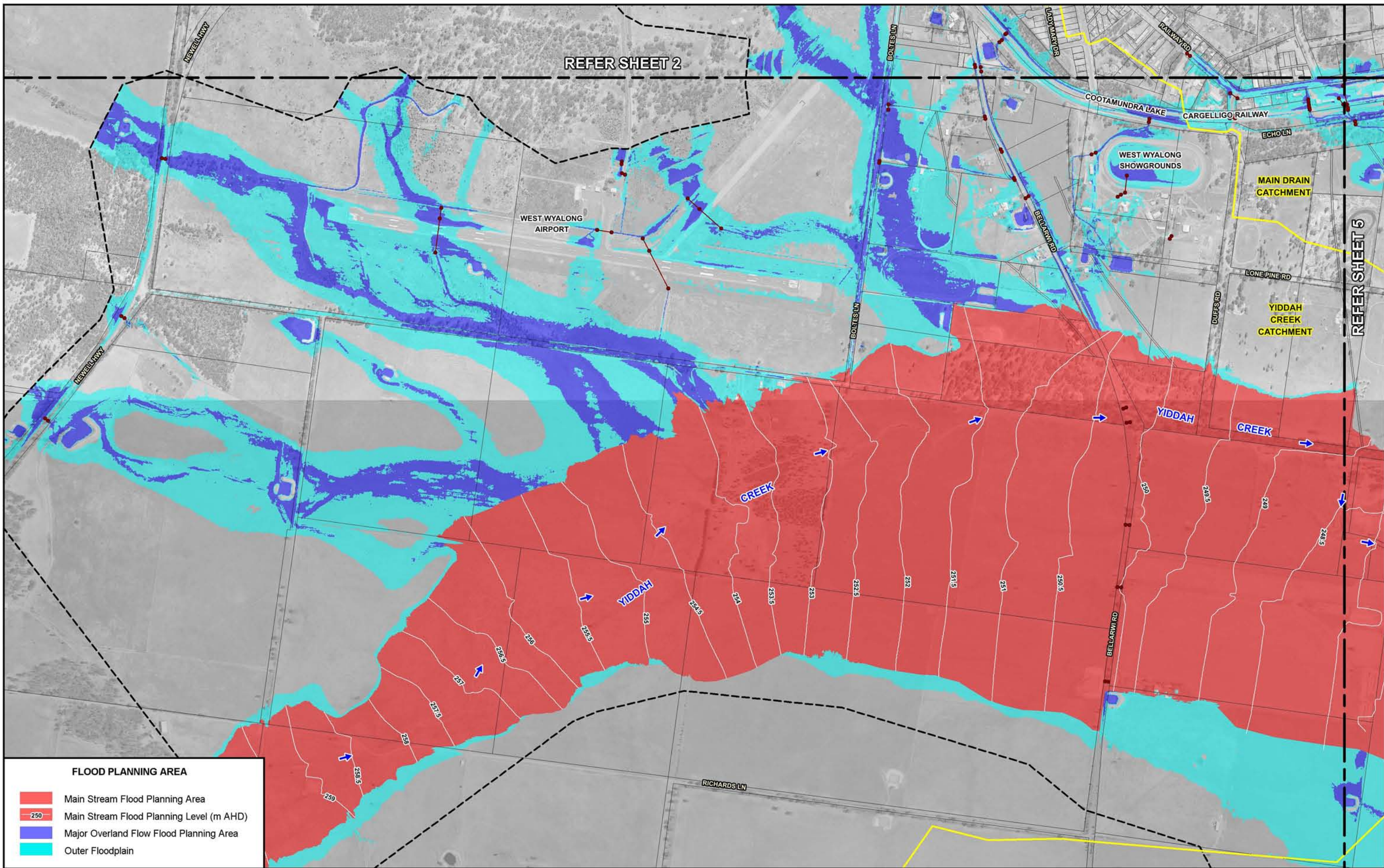
- LEGEND**
- Modelled Stormwater Drainage System
  - Study Catchments
  - Two-Dimensional Model Boundary

**Lyall & Associates**

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure 6.22  
(Sheet 3 of 5)

**INTERIM FLOOD PLANNING AREA - MAIN STREAM FLOODING AND MAJOR OVERLAND FLOW AFFECTED AREAS**  
1% AEP

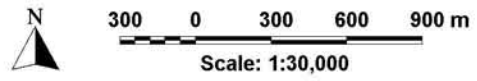


**FLOOD PLANNING AREA**

- Main Stream Flood Planning Area
- Main Stream Flood Planning Level (m AHD)
- Major Overland Flow Flood Planning Area
- Outer Floodplain

**LEGEND**

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Study Catchments



**NOTE:**  
The ground surface model incorporated in TUFLOW is based on LIDAR survey which has been sampled on a 3 m (min) grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.

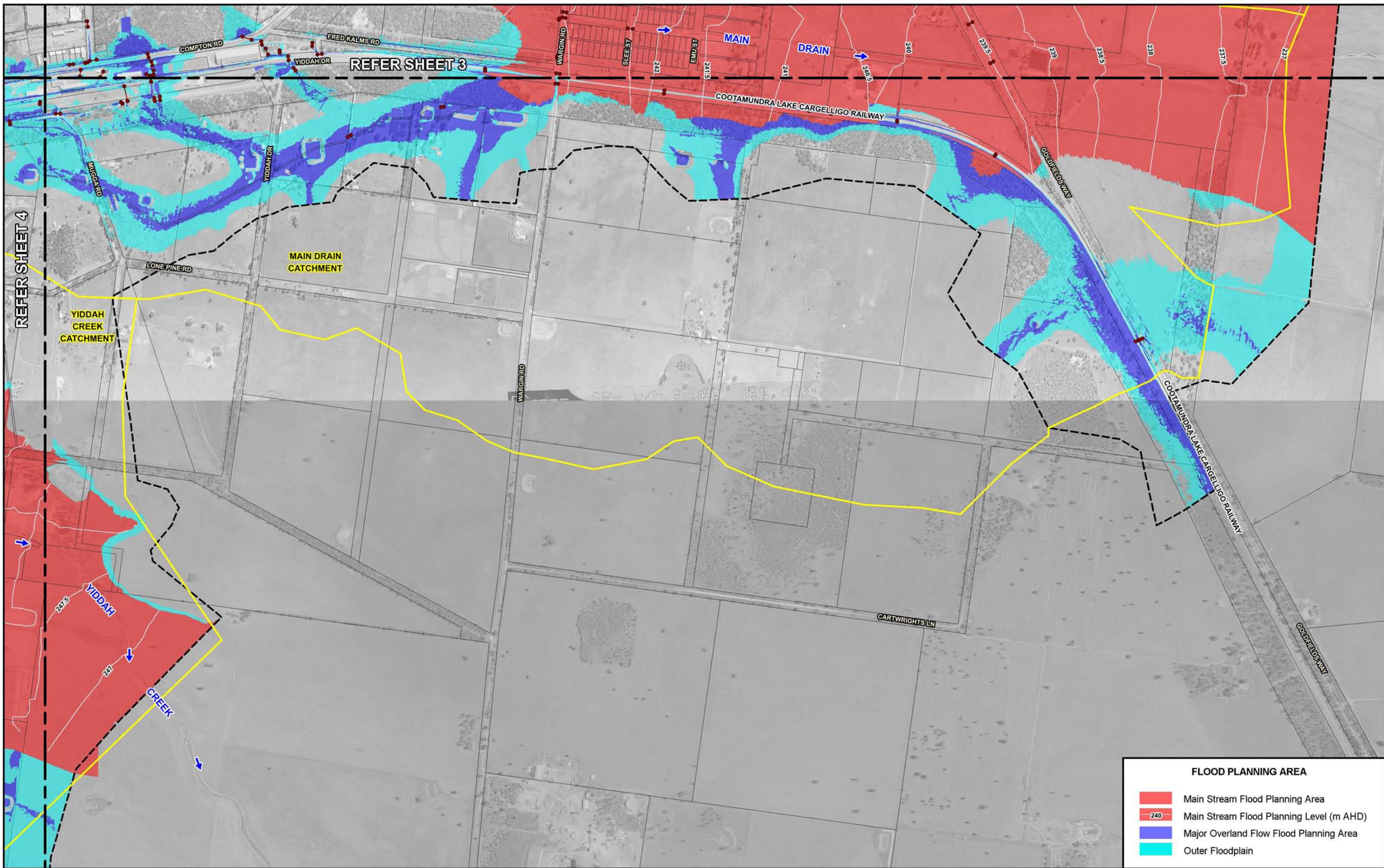
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Flood depths not shown within the footprint of existing buildings.

**WYALONG AND WEST WYALONG FLOOD STUDY**

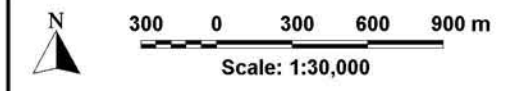
Figure 6.22  
(Sheet 4 of 5)

**INTERIM FLOOD PLANNING AREA - MAIN STREAM FLOODING AND MAJOR OVERLAND FLOW AFFECTED AREAS**  
1% AEP



**FLOOD PLANNING AREA**

- Main Stream Flood Planning Area
- 240 Main Stream Flood Planning Level (m AHD)
- Major Overland Flow Flood Planning Area
- Outer Floodplain



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 Flood depths not shown within the footprint of existing buildings.

**LEGEND**

- Modelled Stormwater Drainage System
- Two-Dimensional Model Boundary
- Study Catchments

**WYALONG AND WEST WYALONG FLOOD STUDY**

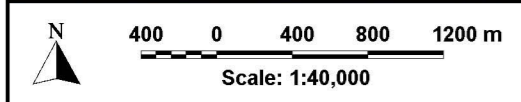
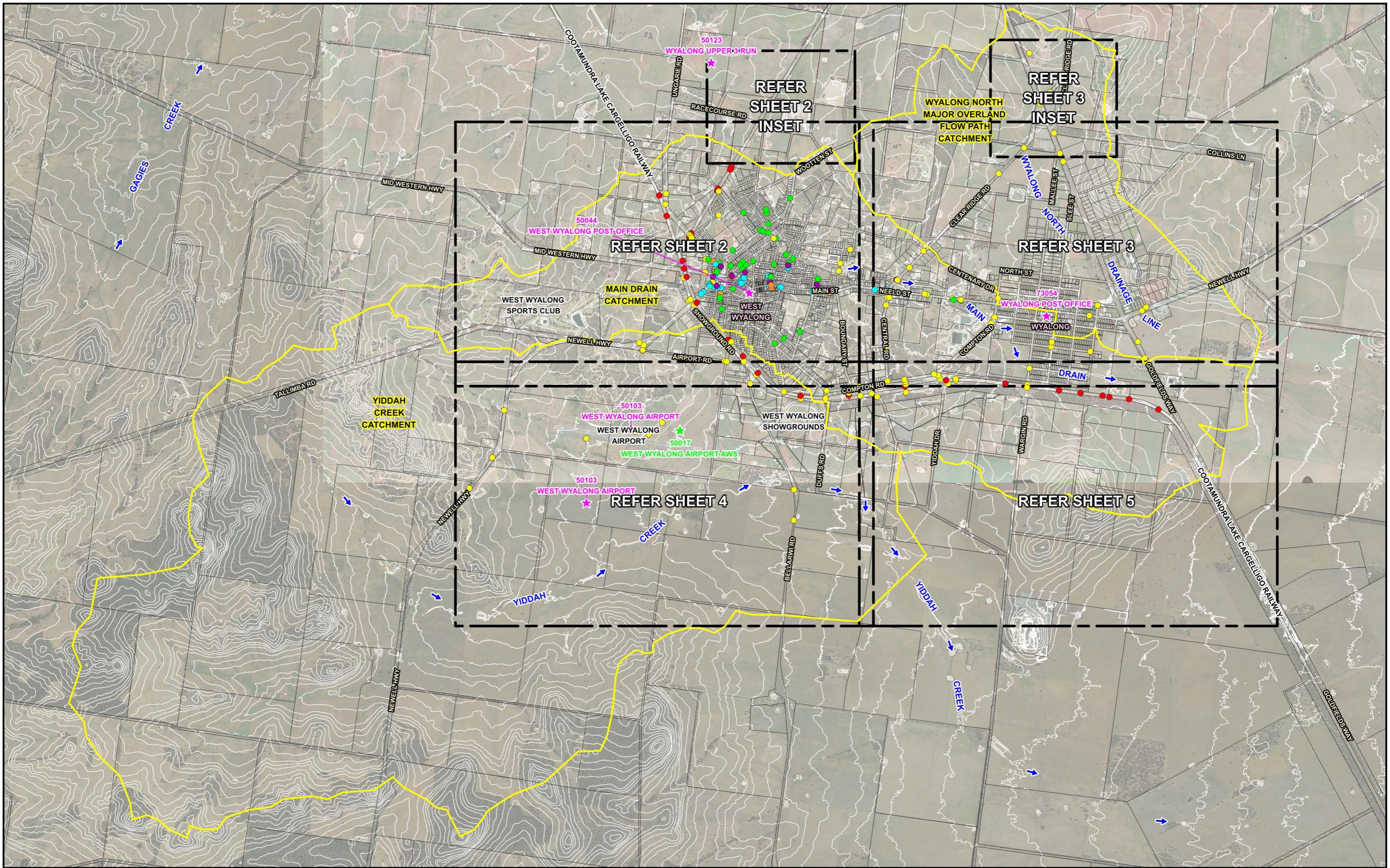
Figure 6.22  
(Sheet 5 of 5)

**INTERIM FLOOD PLANNING AREA - MAIN STREAM FLOODING AND MAJOR OVERLAND FLOW AFFECTED AREAS**  
 1% AEP

**APPENDIX B  
DETAILS OF AVAILABLE DATA  
AND COMMUNITY CONSULTATION**

## LIST OF FIGURES (APPENDIX B)

Figure B1.1      Location and Source of Data (5 sheets)

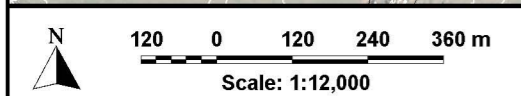
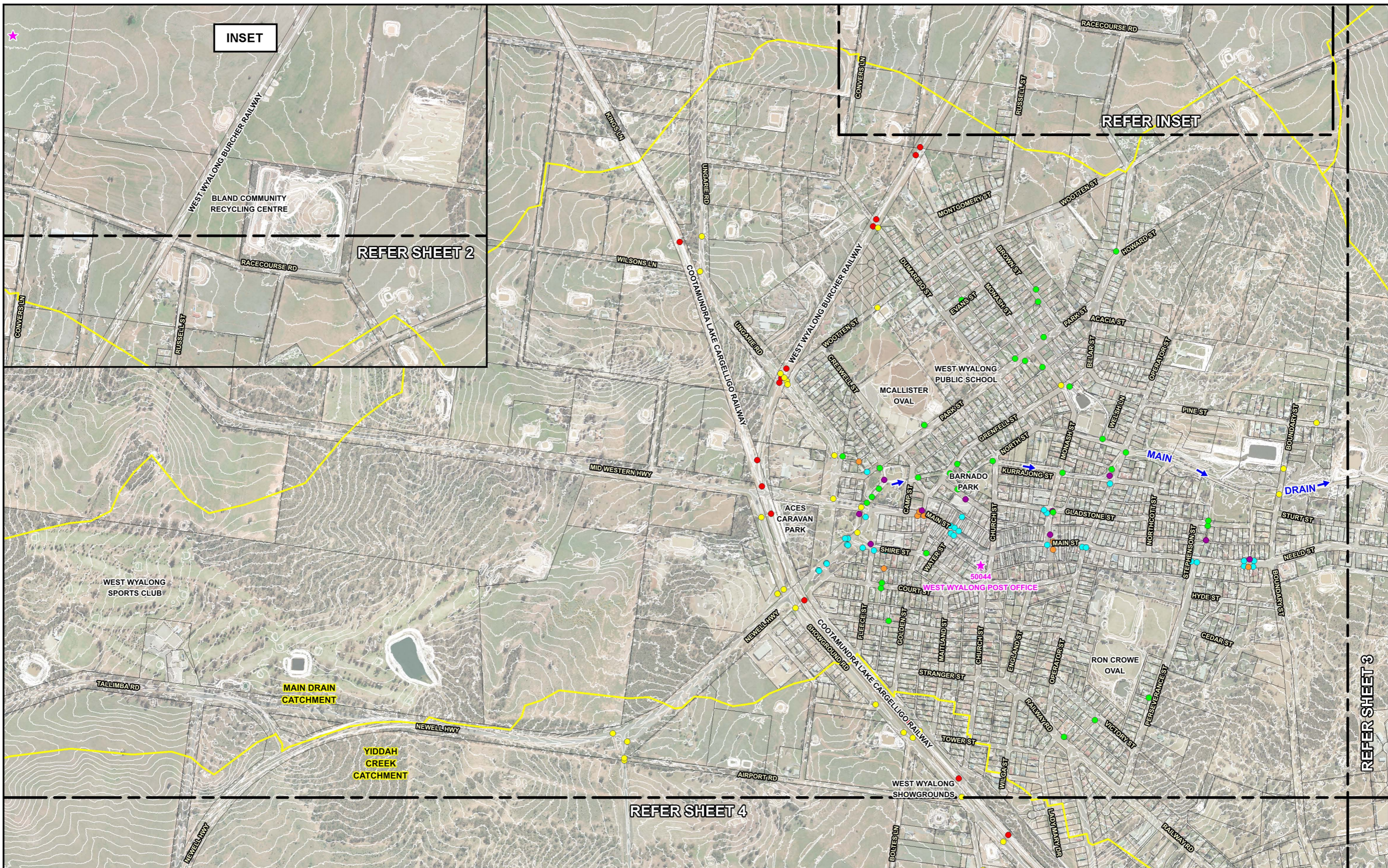


LEGEND			
★	BoM Daily Rain Gauge	●	Stormwater Pit
★	BoM All Weather Station (AWS)	●	Inlet Headwall
—	Study Catchment	●	Outlet Headwall
●	Culvert		
●	Railway Culvert		
●	Footbridge		

**WYALONG AND WEST WYALONG  
FLOOD STUDY**

Figure B1.1  
(Sheet 1 of 5)

LOCATION AND SOURCE OF DATA



**LEGEND**

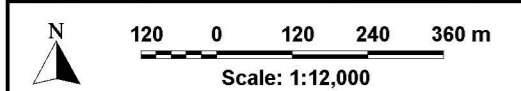
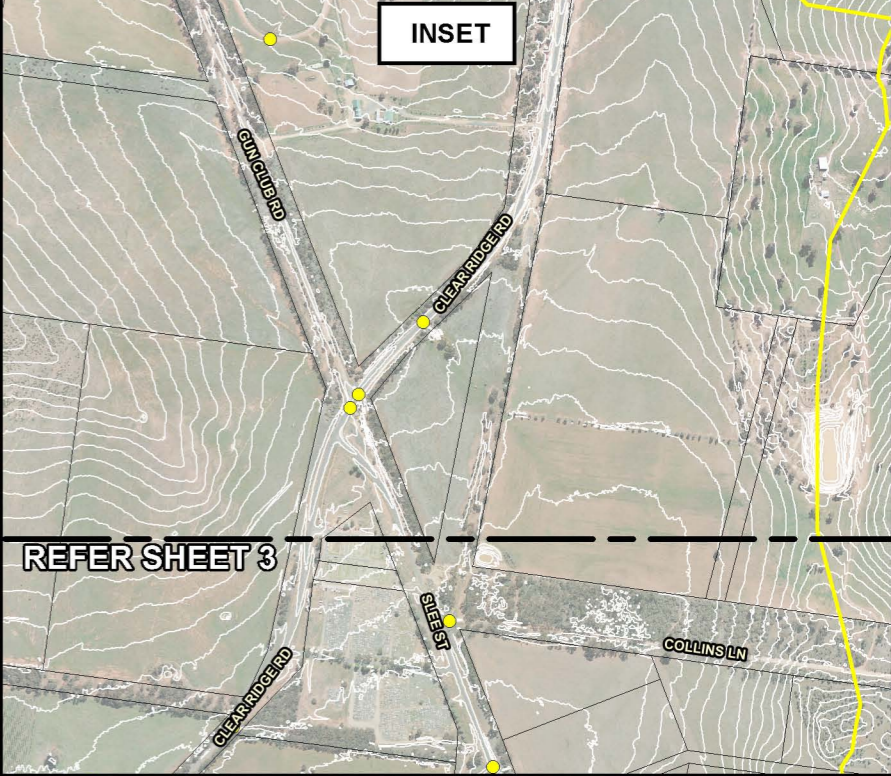
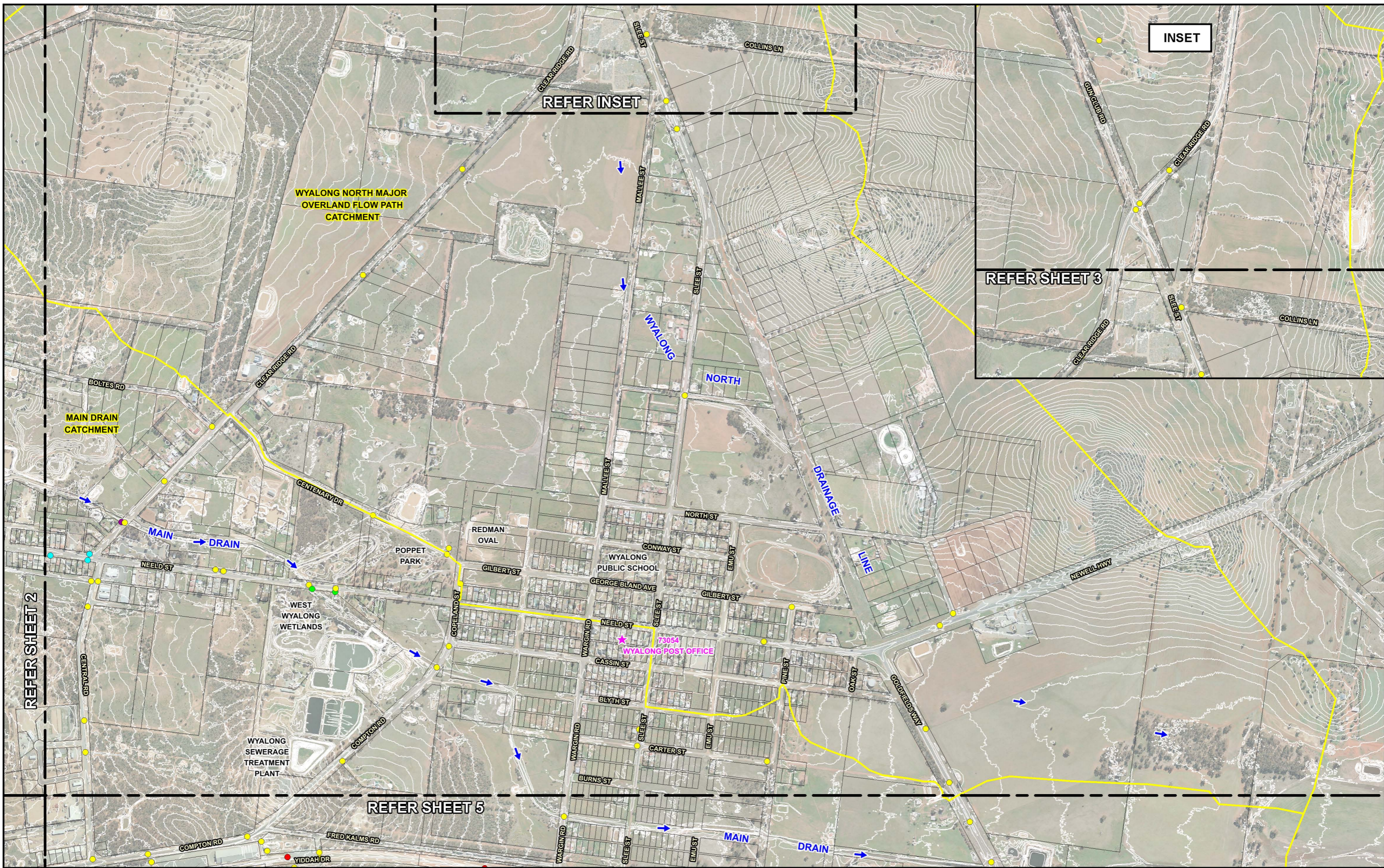
BoM Daily Rain Gauge	Study Catchment	Stormwater Pit
Culvert	Railway Culvert	Inlet Headwall
Footbridge	Outlet Headwall	



**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure B1.1  
(Sheet 2 of 5)

LOCATION AND SOURCE OF DATA



- LEGEND**
- ★ BoM Daily Rain Gauge
  - Study Catchment
  - Stormwater Pit
  - Culvert
  - Railway Culvert
  - Outlet Headwall
  - Footbridge

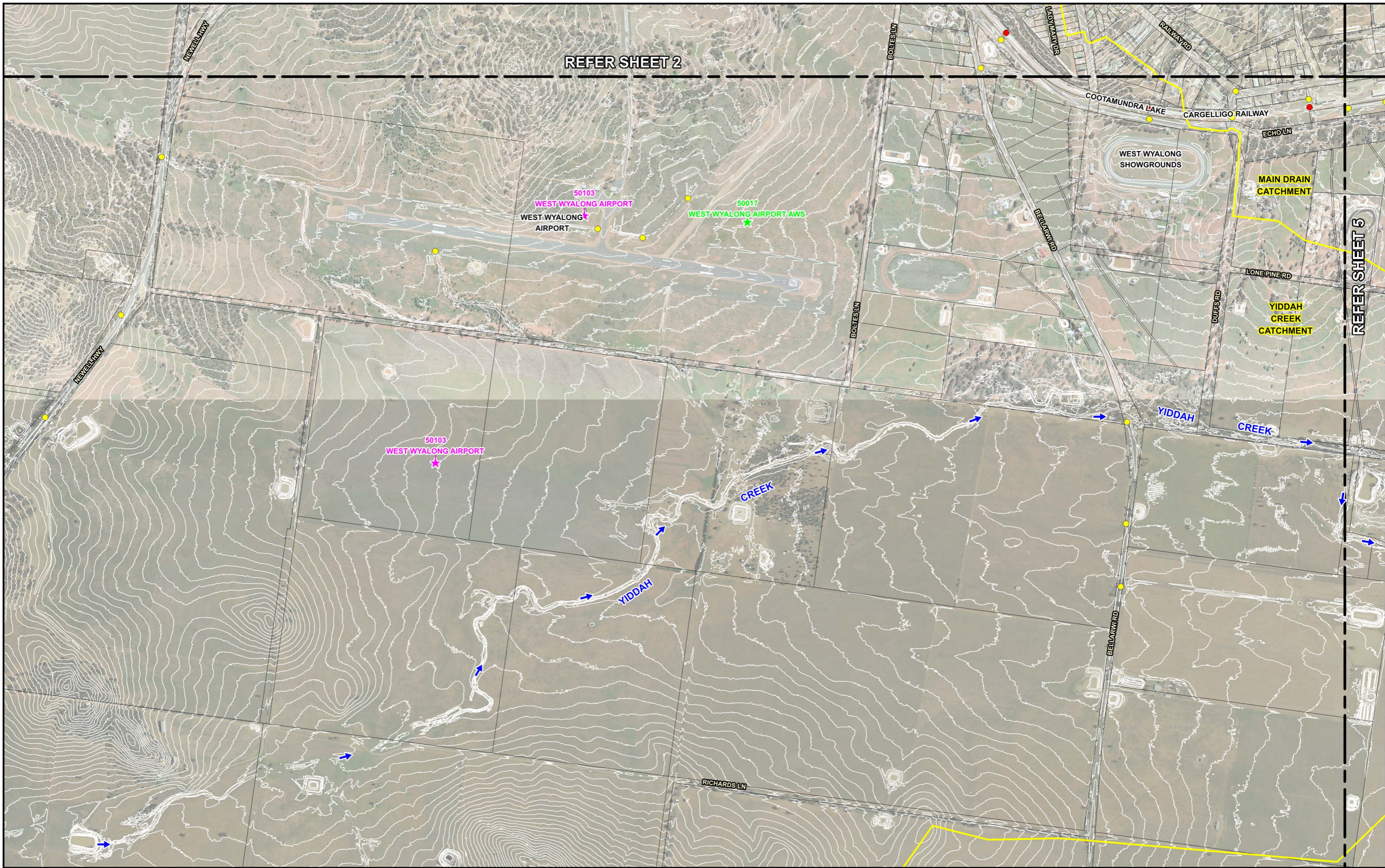
**Lyall & Associates**

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure B1.1  
(Sheet 3 of 5)

LOCATION AND SOURCE OF DATA





REFER SHEET 2

REFER SHEET 5

50103  
WEST WYALONG AIRPORT  
WEST WYALONG AIRPORT

50017  
WEST WYALONG AIRPORT AWS

WEST WYALONG SHOWGROUNDS

MAIN DRAIN CATCHMENT

YIDDAH CREEK CATCHMENT

YIDDAH CREEK

CREEK

YIDDAH

RICHARDS LN

BOLTES LN

BELLARWD

BELLARWD

DUFFS RD

LONEPINE RD

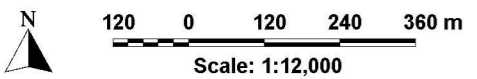
COOTAMUNDRA LAKE

CARGELLIGO RAILWAY

ECHO LN

NEWELL HWY

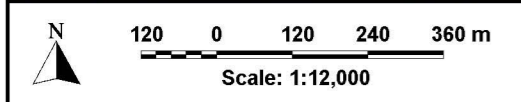
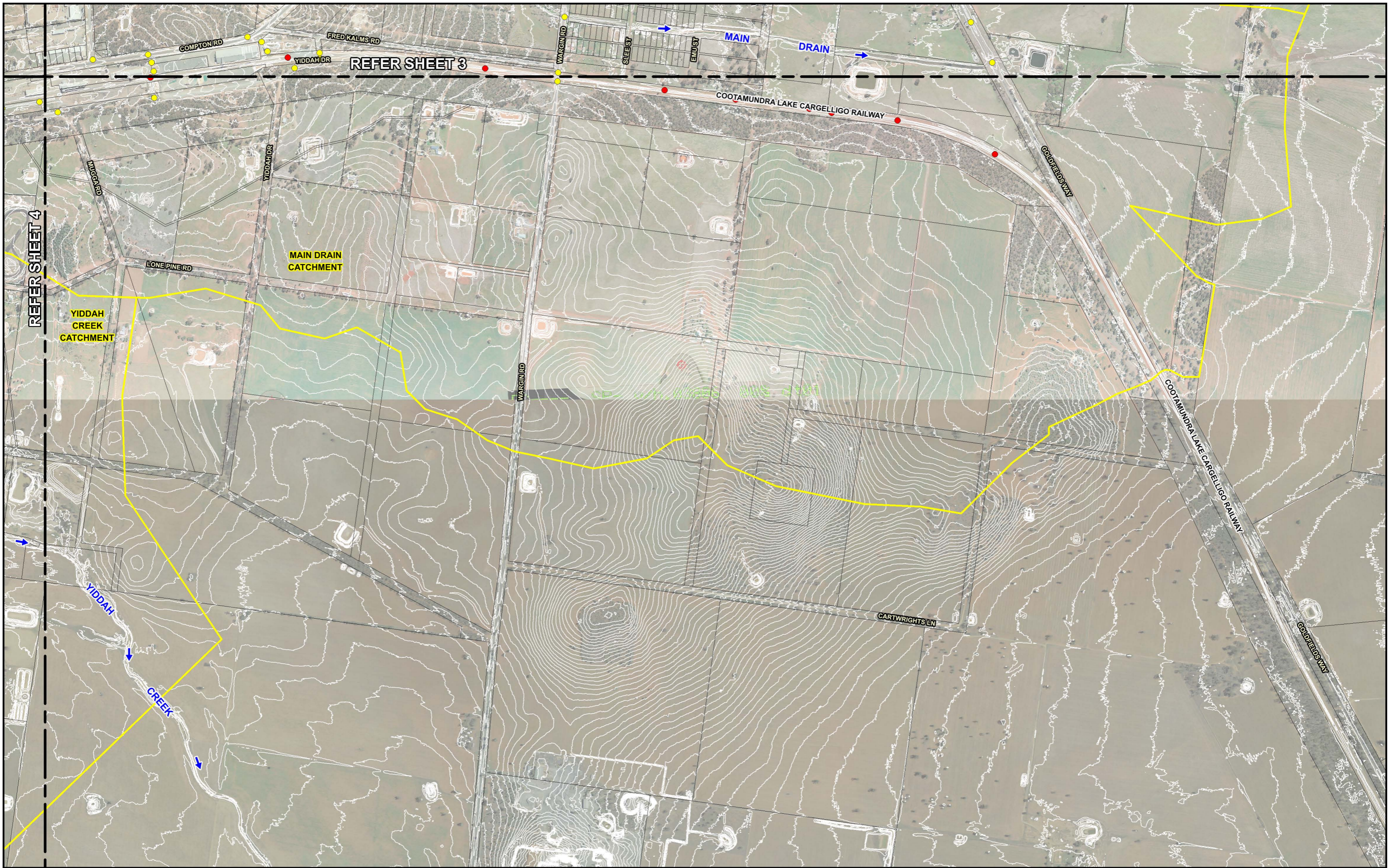
NEWELL HWY



- LEGEND**
- ★ BoM Daily Rain Gauge
  - ★ BoM All Weather Station (AWS)
  - Study Catchment
  - Culvert
  - Railway Culvert

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure B1.1  
(Sheet 4 of 5)



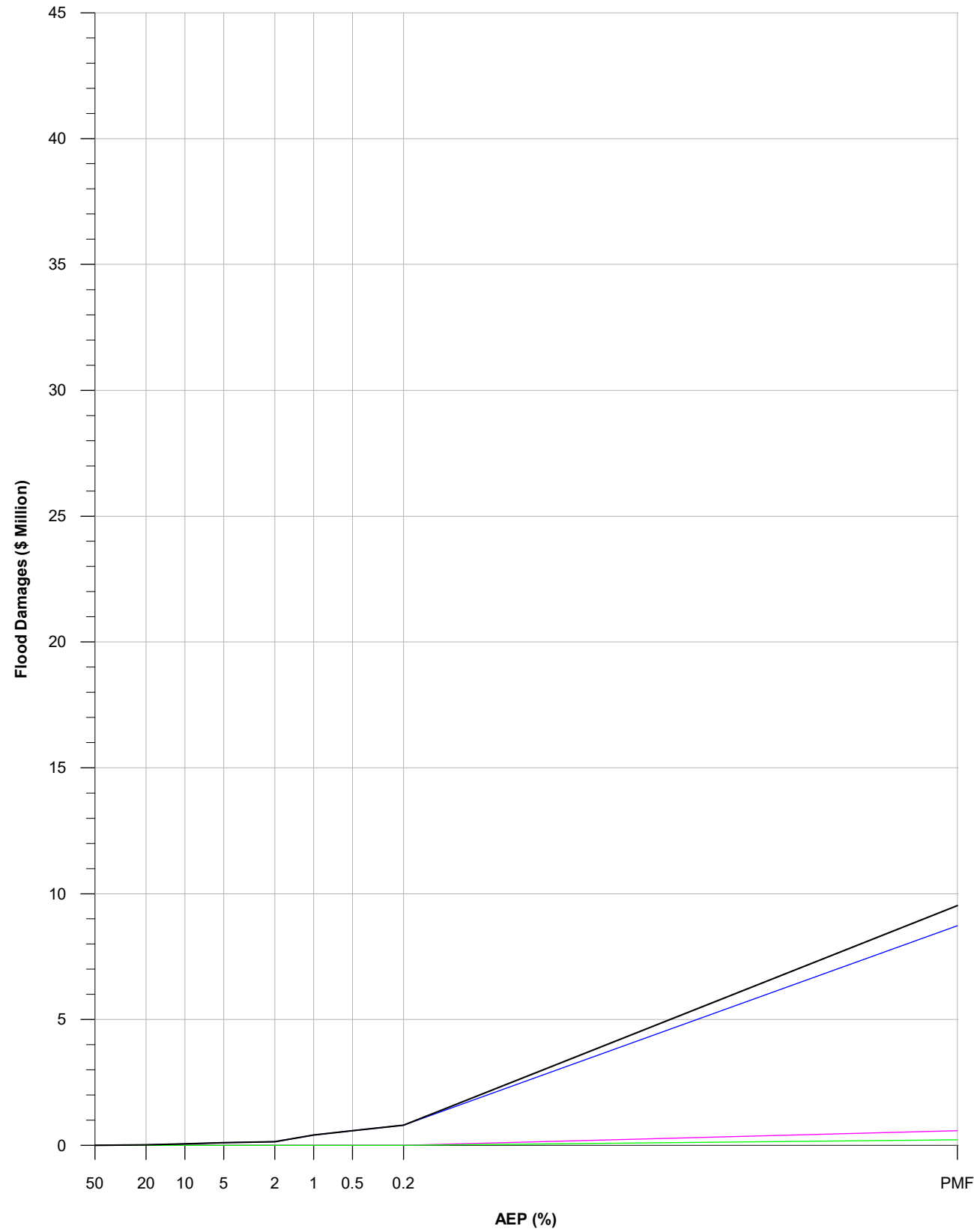
- LEGEND**
- Study Catchment
  - Culvert
  - Railway Culvert

**APPENDIX G  
FLOOD DAMAGES**

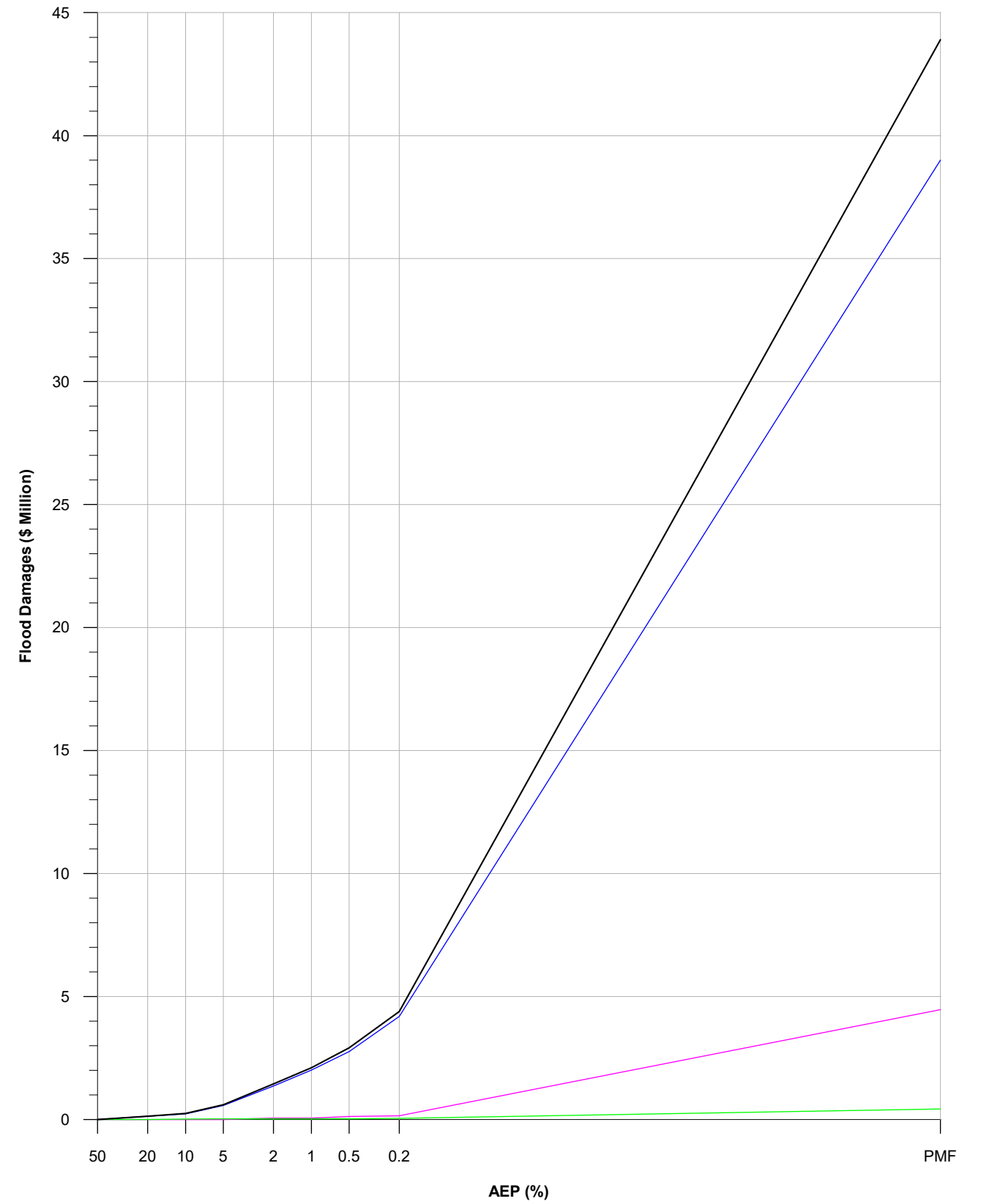
## LIST OF FIGURES (APPENDIX G)

Figure G8.1      Damage Frequency Curves for Wyalong and West Wyalong

**WYALONG**



**WEST WYALONG**



**LEGEND**

- Total
- Residential
- Commercial
- Public

**WYALONG AND WEST WYALONG FLOOD STUDY**

Figure G8.1

DAMAGE - FREQUENCY CURVES AT WYALONG AND WEST WYALONG

