



# **Attachment 3 to Item 10.3.1.**

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**Draft Hawkesbury Floodplain Risk Management  
Study and Plan 2025 - Figures**

Date of meeting: 23 July 2024  
Location: Council Chambers  
Time: 6:30pm



FIGURE 1  
STUDY AREA

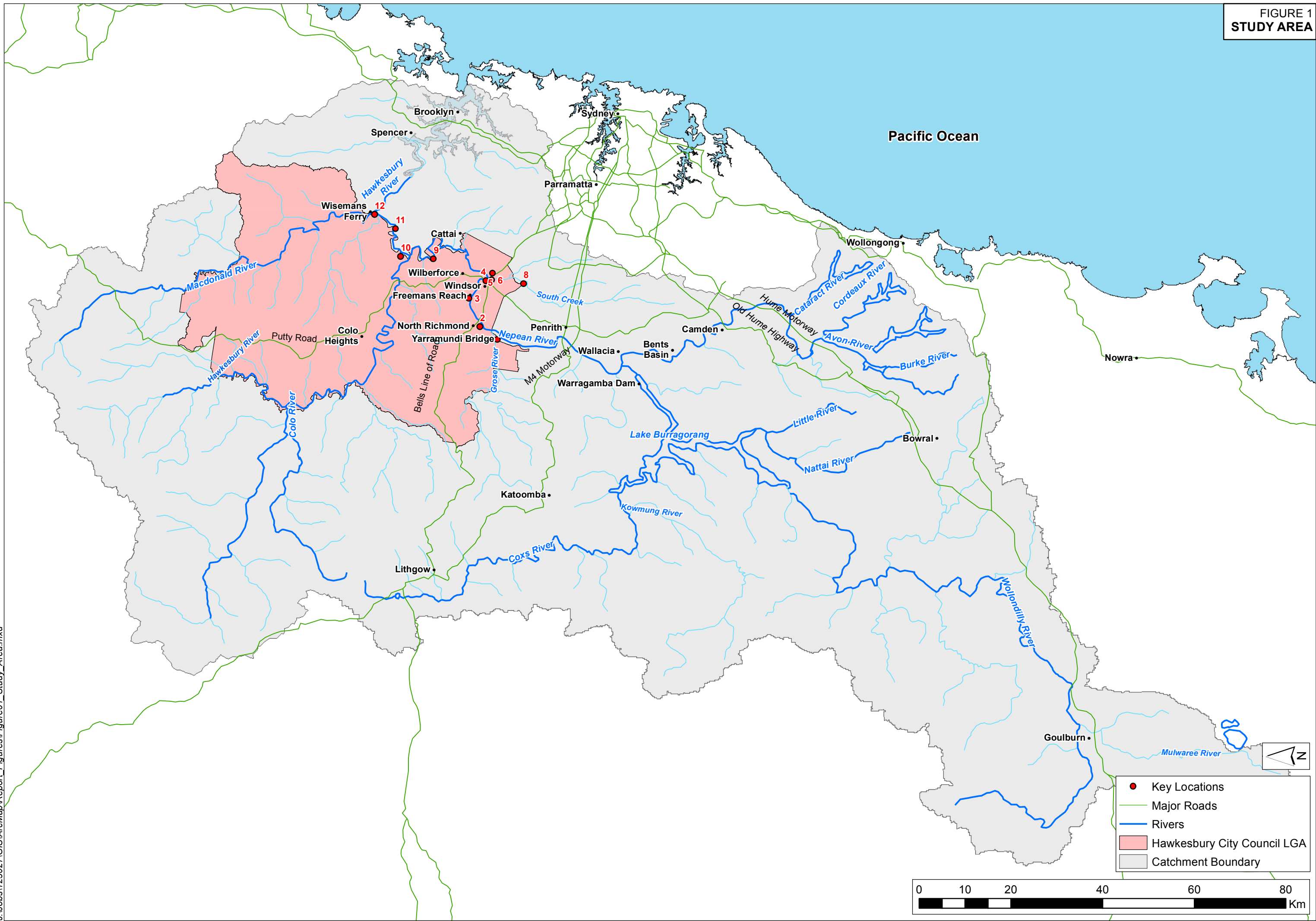
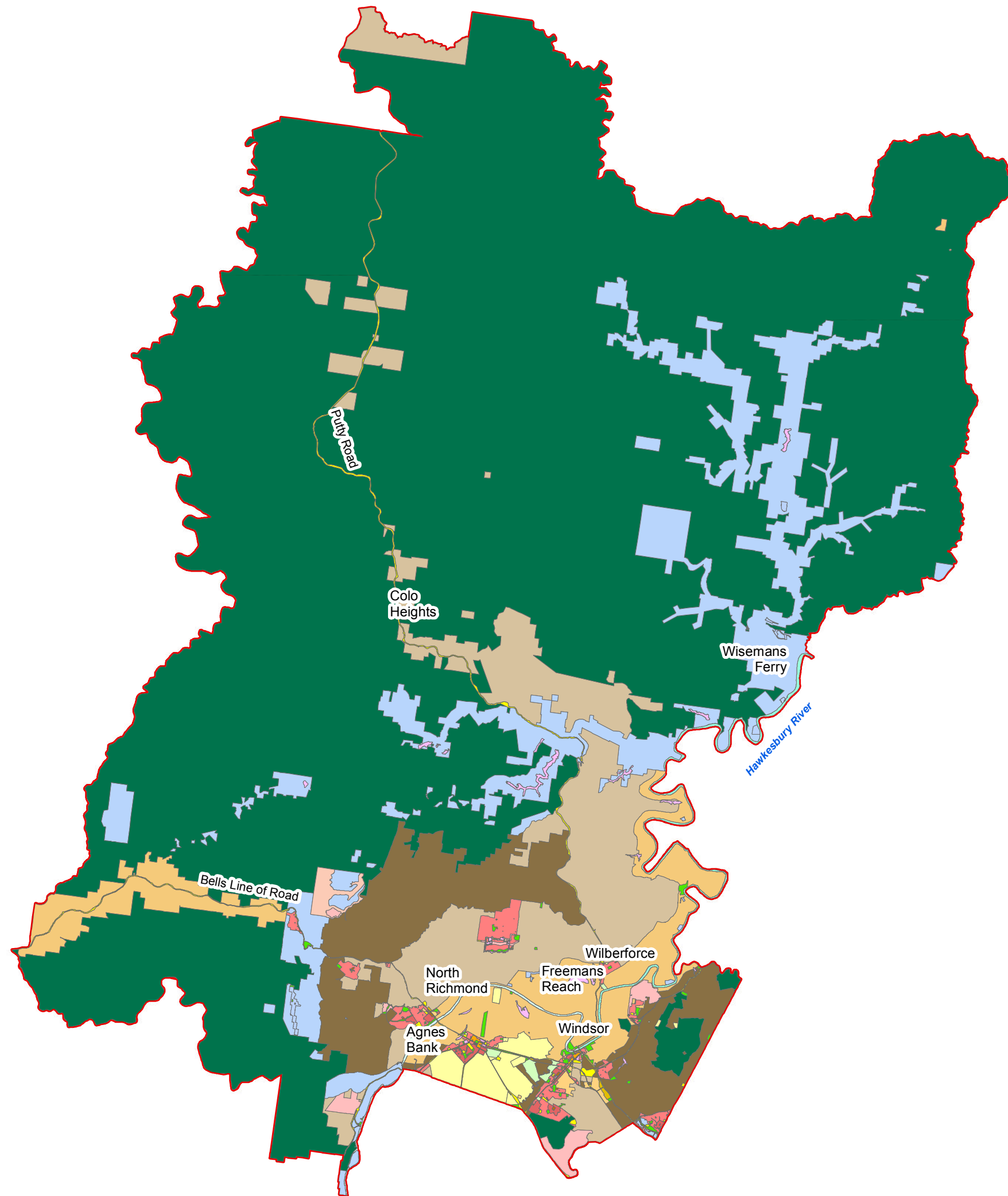


FIGURE 2  
LAND USE ZONES



- LGA Boundary
- Land Use Zone**
- B2 Local Centre
- B4 Mixed Use
- C1 National Parks and Nature Reserves
- C2 Environmental Conservation
- C3 Environmental Management
- C4 Environmental Living
- DM Deferred Matter
- E1 National Parks and Nature Reserves
- E2 Environmental Conservation
- E3 Environmental Management
- E4 Environmental Living
- R1 General Residential
- R2 Low Density Residential
- R3 Medium Density Residential
- R5 Large Lot Residential
- RE1 Public Recreation
- RE2 Private Recreation
- RU1 Primary Production
- RU2 Rural Landscape
- RU4 Primary Production Small Lots
- RU5 Village
- SP1 Special Activities
- SP2 Infrastructure
- W1 Natural Waterways
- W2 Recreational Waterways

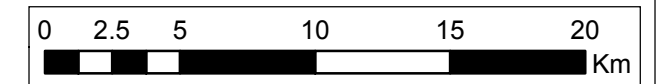




FIGURE 3  
MODEL EXTENT

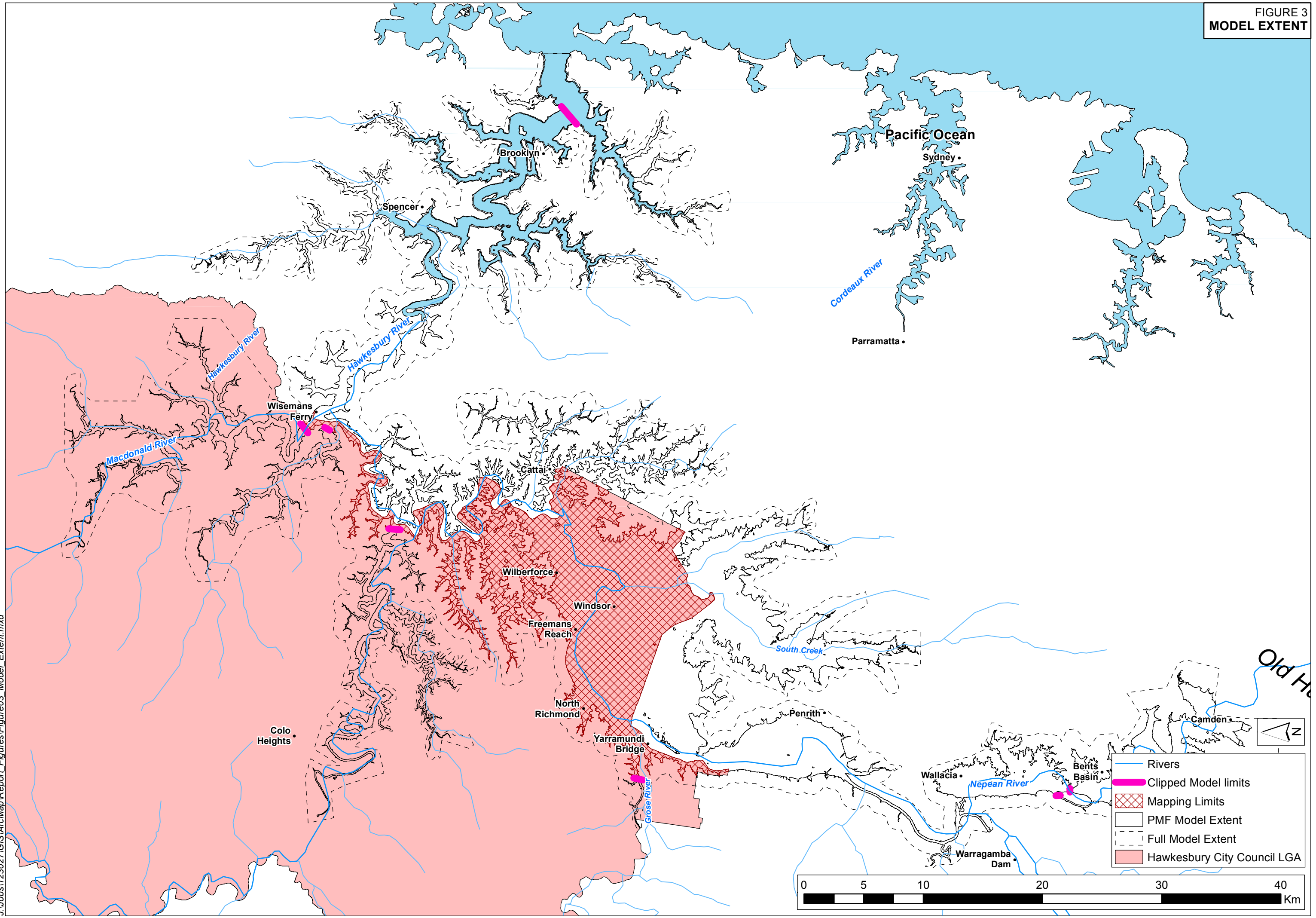
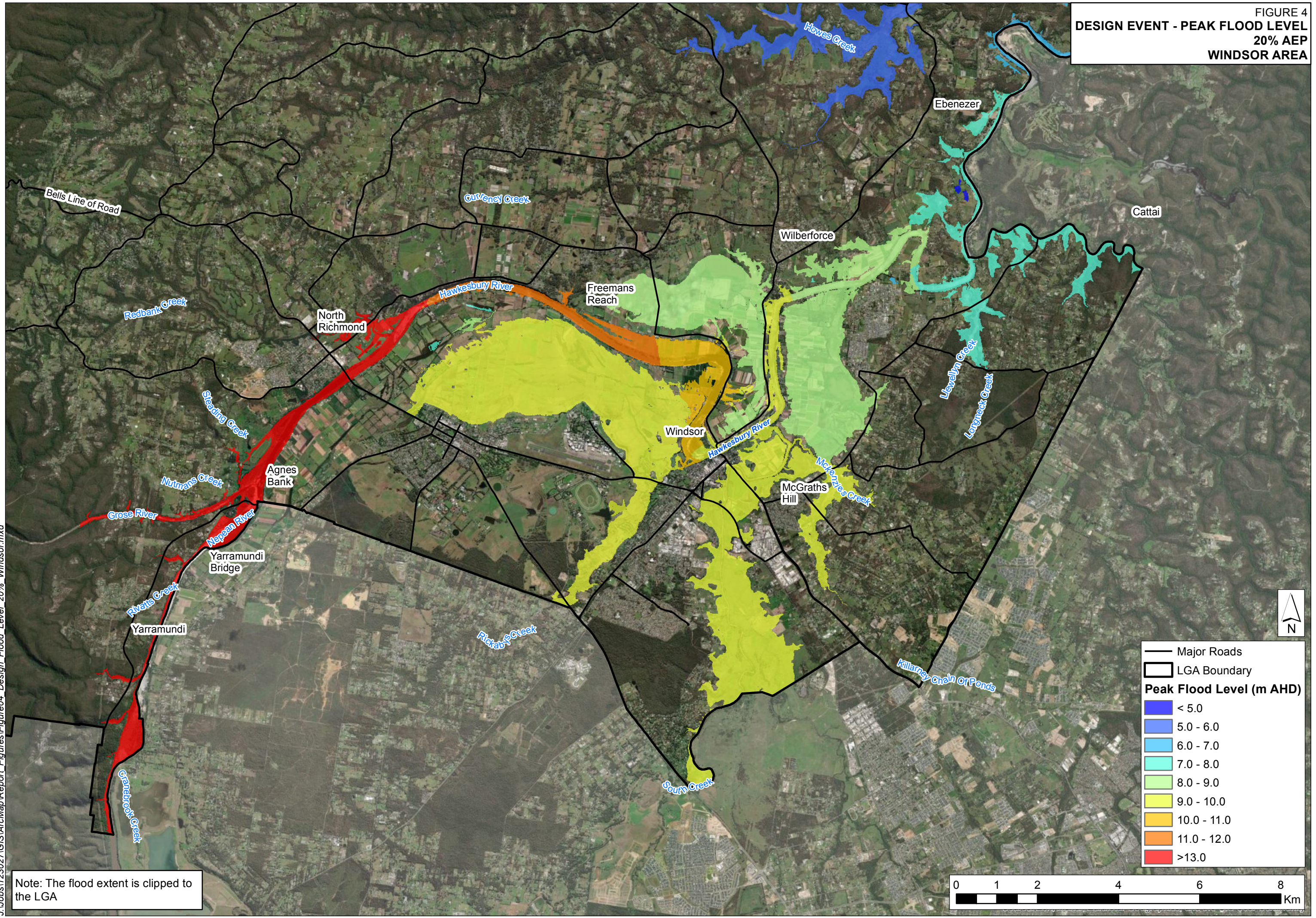




FIGURE 4  
**DESIGN EVENT - PEAK FLOOD LEVEL**  
**20% AEP**  
**WINDSOR AREA**



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Note: The flood extent is clipped to the LGA

— Major Roads  
 □ LGA Boundary

**Peak Flood Level (m AHD)**

Blue	< 5.0
Light Blue	5.0 - 6.0
Medium Blue	6.0 - 7.0
Cyan	7.0 - 8.0
Light Green	8.0 - 9.0
Yellow	9.0 - 10.0
Orange	10.0 - 11.0
Dark Orange	11.0 - 12.0
Red	>13.0

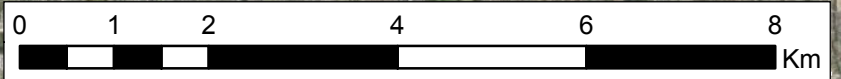
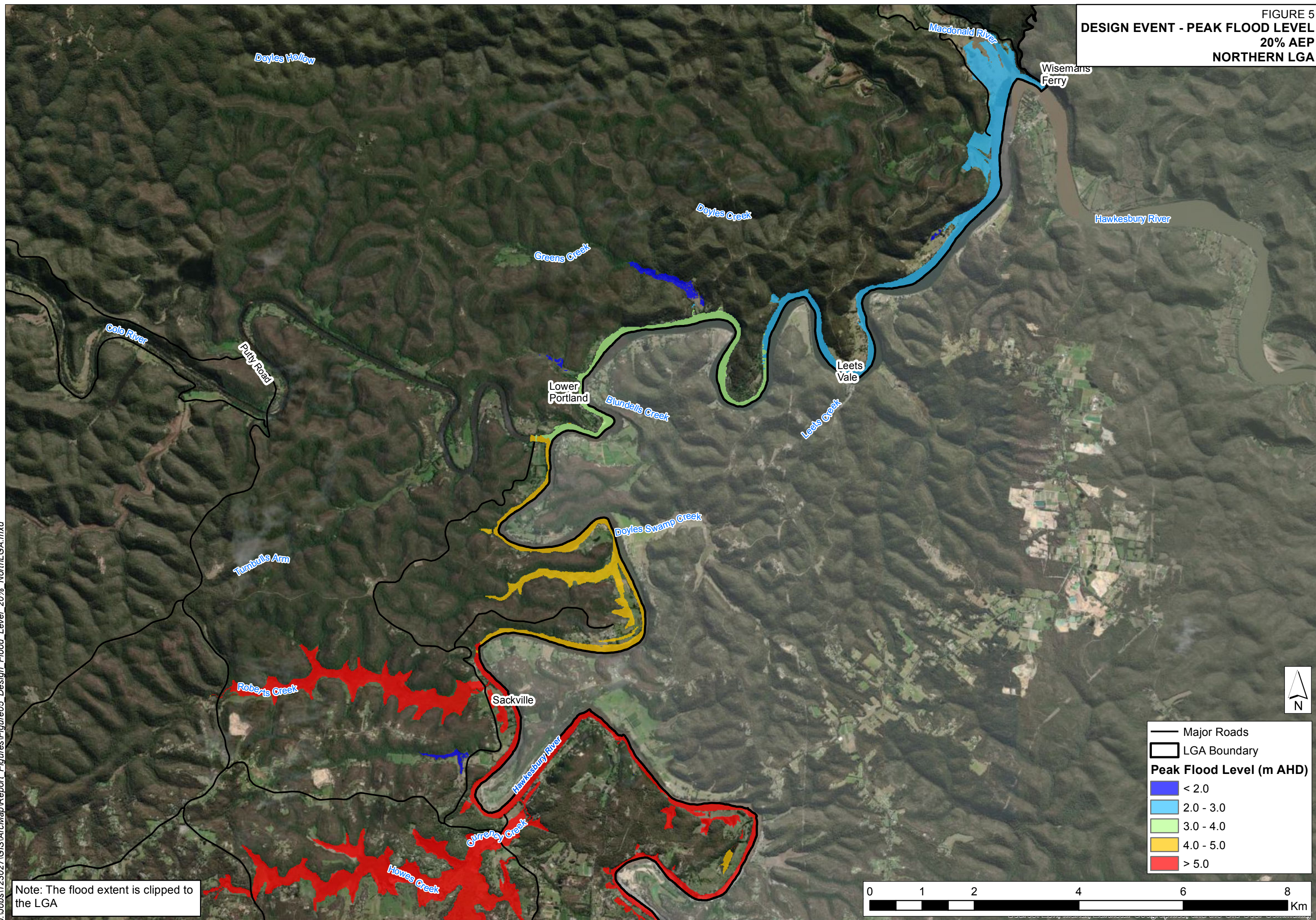




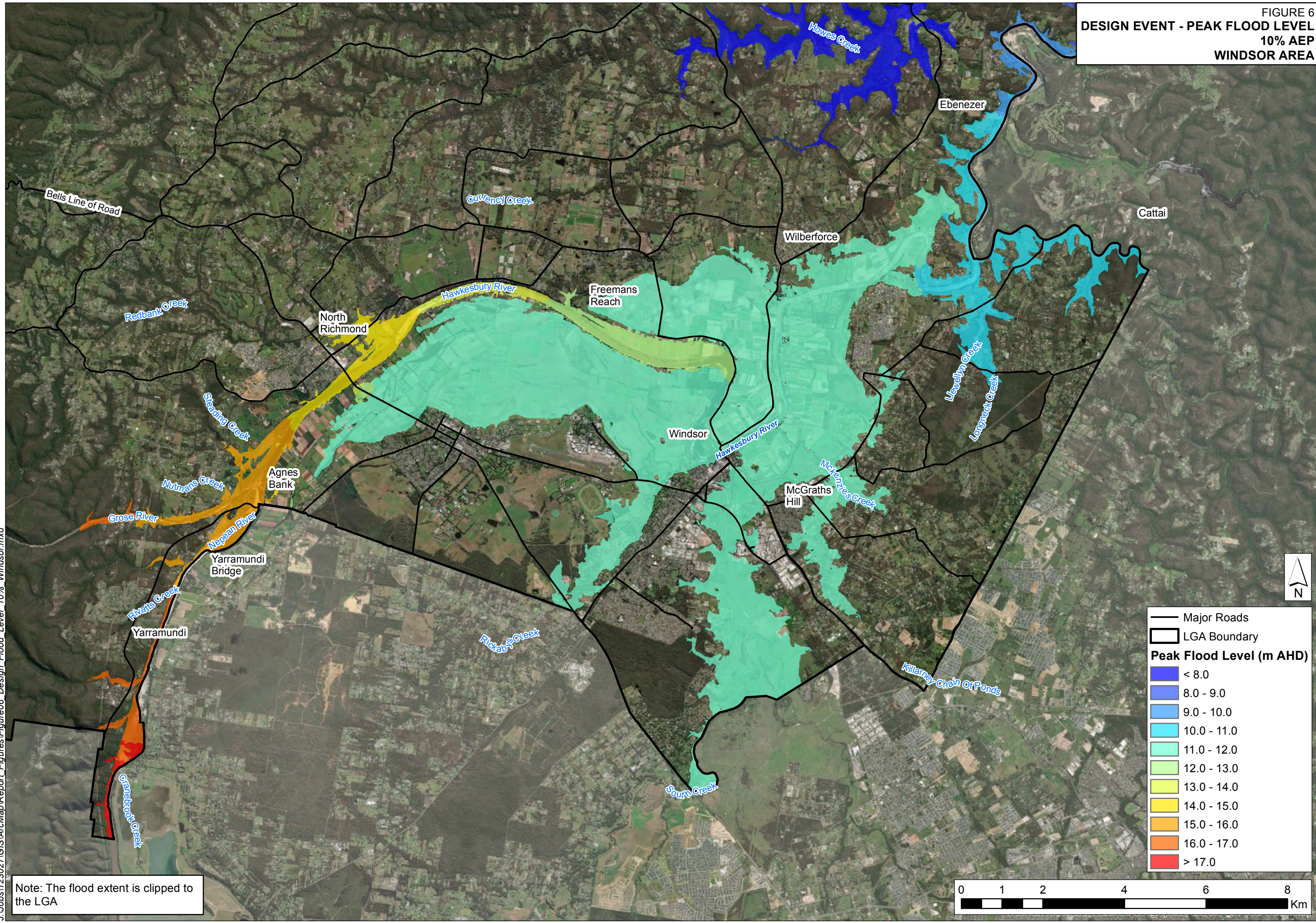
FIGURE 5  
**DESIGN EVENT - PEAK FLOOD LEVEL**  
**20% AEP**  
**NORTHERN LGA**



Note: The flood extent is clipped to the LGA



FIGURE 6  
**DESIGN EVENT - PEAK FLOOD LEVEL**  
**10% AEP**  
**WINDSOR AREA**



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Note: The flood extent is clipped to the LGA

— Major Roads  
 □ LGA Boundary

**Peak Flood Level (m AHD)**

Blue	< 8.0
Light Blue	8.0 - 9.0
Light Cyan	9.0 - 10.0
Cyan	10.0 - 11.0
Light Green	11.0 - 12.0
Yellow-Green	12.0 - 13.0
Yellow	13.0 - 14.0
Orange-Yellow	14.0 - 15.0
Orange	15.0 - 16.0
Red-Orange	16.0 - 17.0
Red	> 17.0

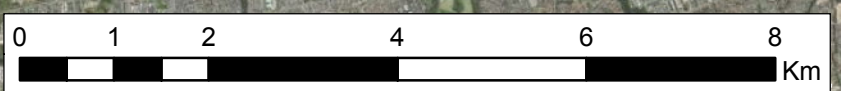
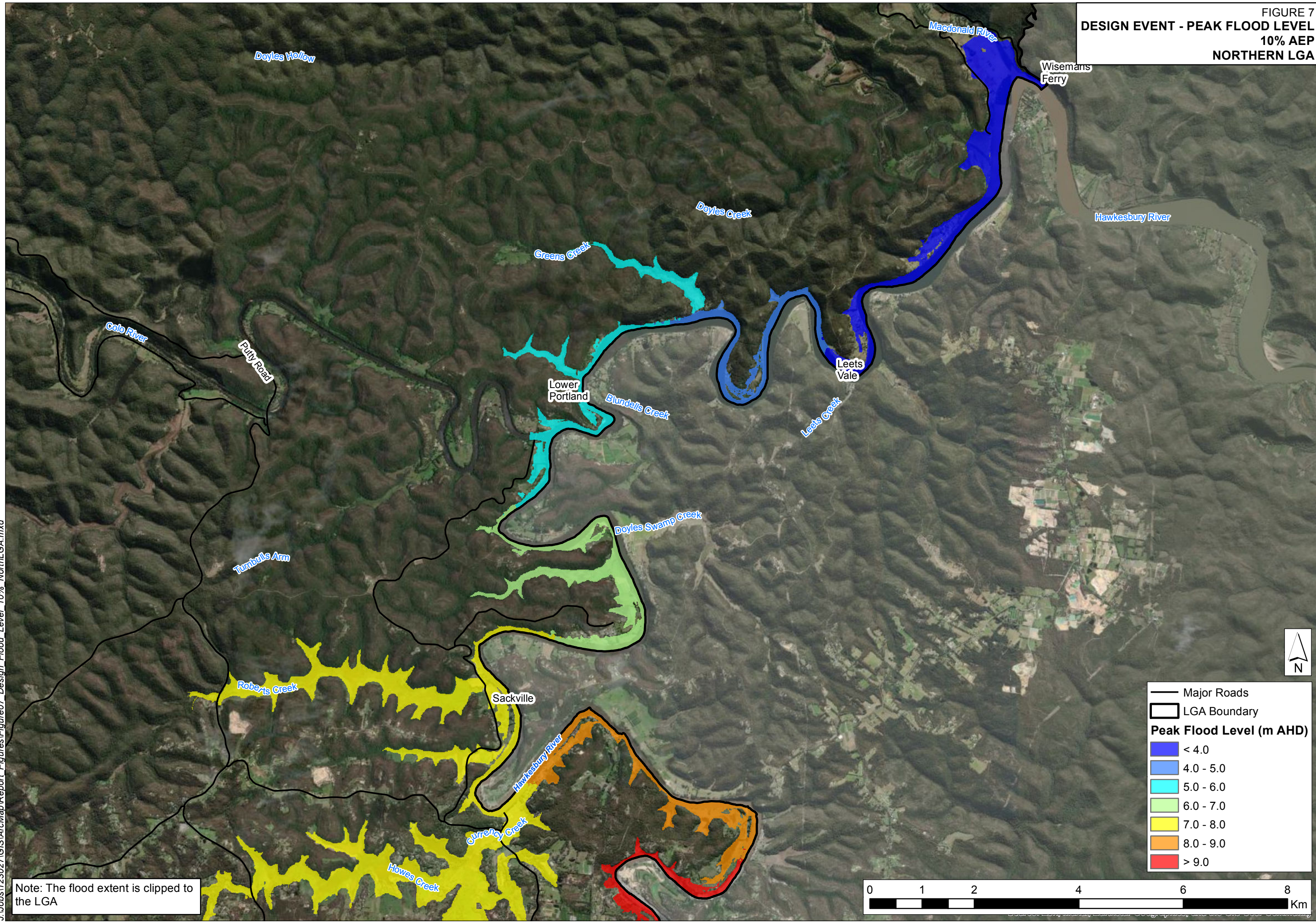




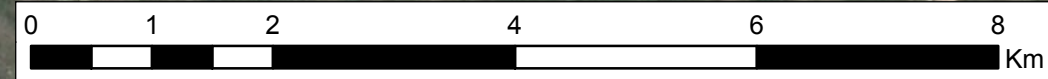
FIGURE 7  
**DESIGN EVENT - PEAK FLOOD LEVEL**  
**10% AEP**  
**NORTHERN LGA**



— Major Roads  
 [Thick Black Line] LGA Boundary  
**Peak Flood Level (m AHD)**

[Dark Blue]	< 4.0
[Light Blue]	4.0 - 5.0
[Cyan]	5.0 - 6.0
[Light Green]	6.0 - 7.0
[Yellow]	7.0 - 8.0
[Orange]	8.0 - 9.0
[Red]	> 9.0

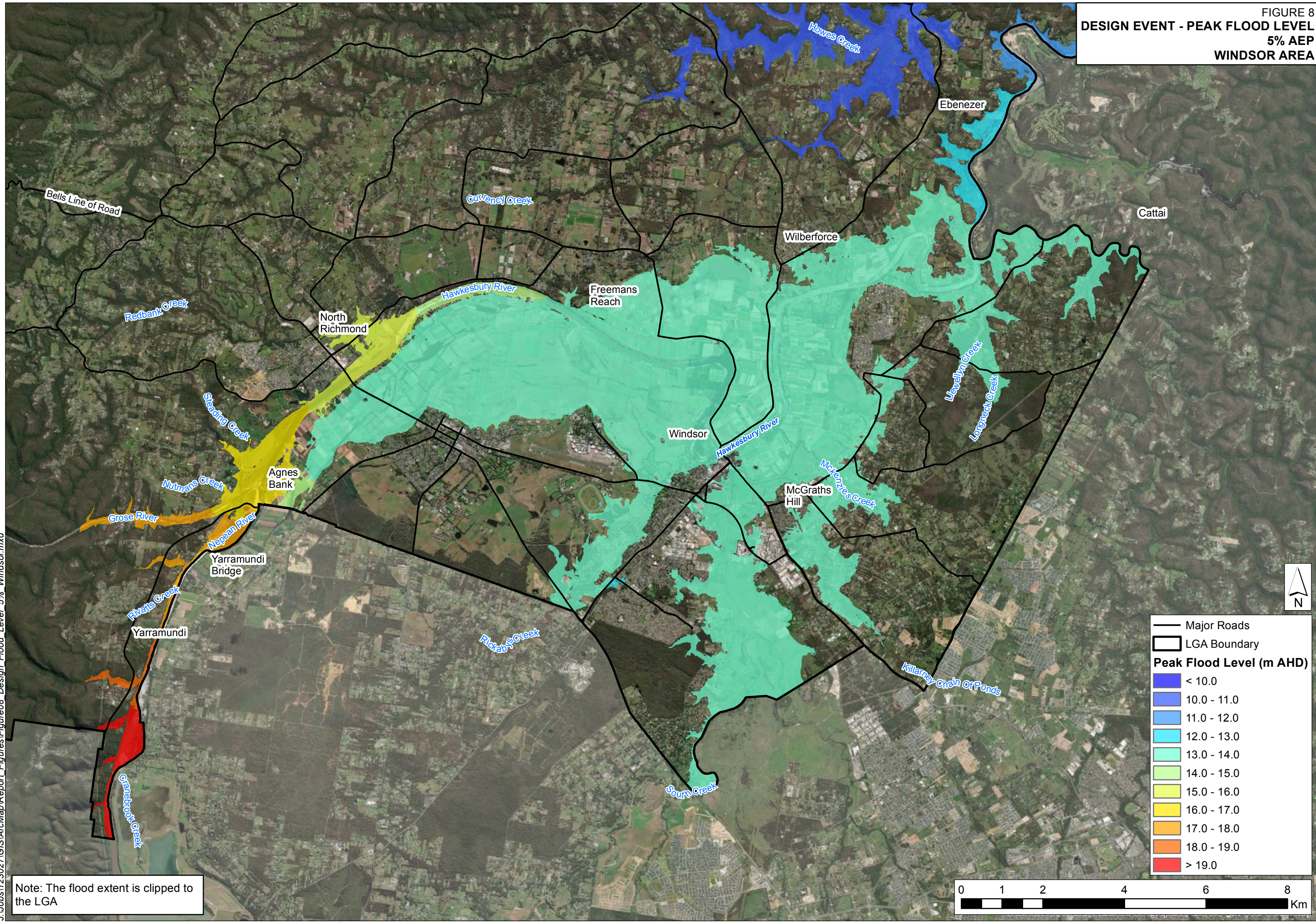
Note: The flood extent is clipped to the LGA



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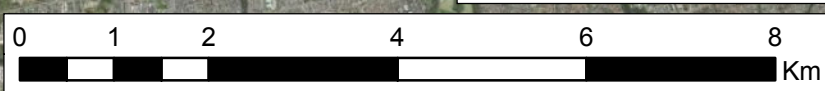


FIGURE 8  
**DESIGN EVENT - PEAK FLOOD LEVEL**  
**5% AEP**  
**WINDSOR AREA**



Peak Flood Level (m AHD)	
<span style="color: blue;">■</span>	< 10.0
<span style="color: lightblue;">■</span>	10.0 - 11.0
<span style="color: cyan;">■</span>	11.0 - 12.0
<span style="color: lightcyan;">■</span>	12.0 - 13.0
<span style="color: green;">■</span>	13.0 - 14.0
<span style="color: lightgreen;">■</span>	14.0 - 15.0
<span style="color: yellow;">■</span>	15.0 - 16.0
<span style="color: orange;">■</span>	16.0 - 17.0
<span style="color: darkorange;">■</span>	17.0 - 18.0
<span style="color: red;">■</span>	18.0 - 19.0
<span style="color: darkred;">■</span>	> 19.0

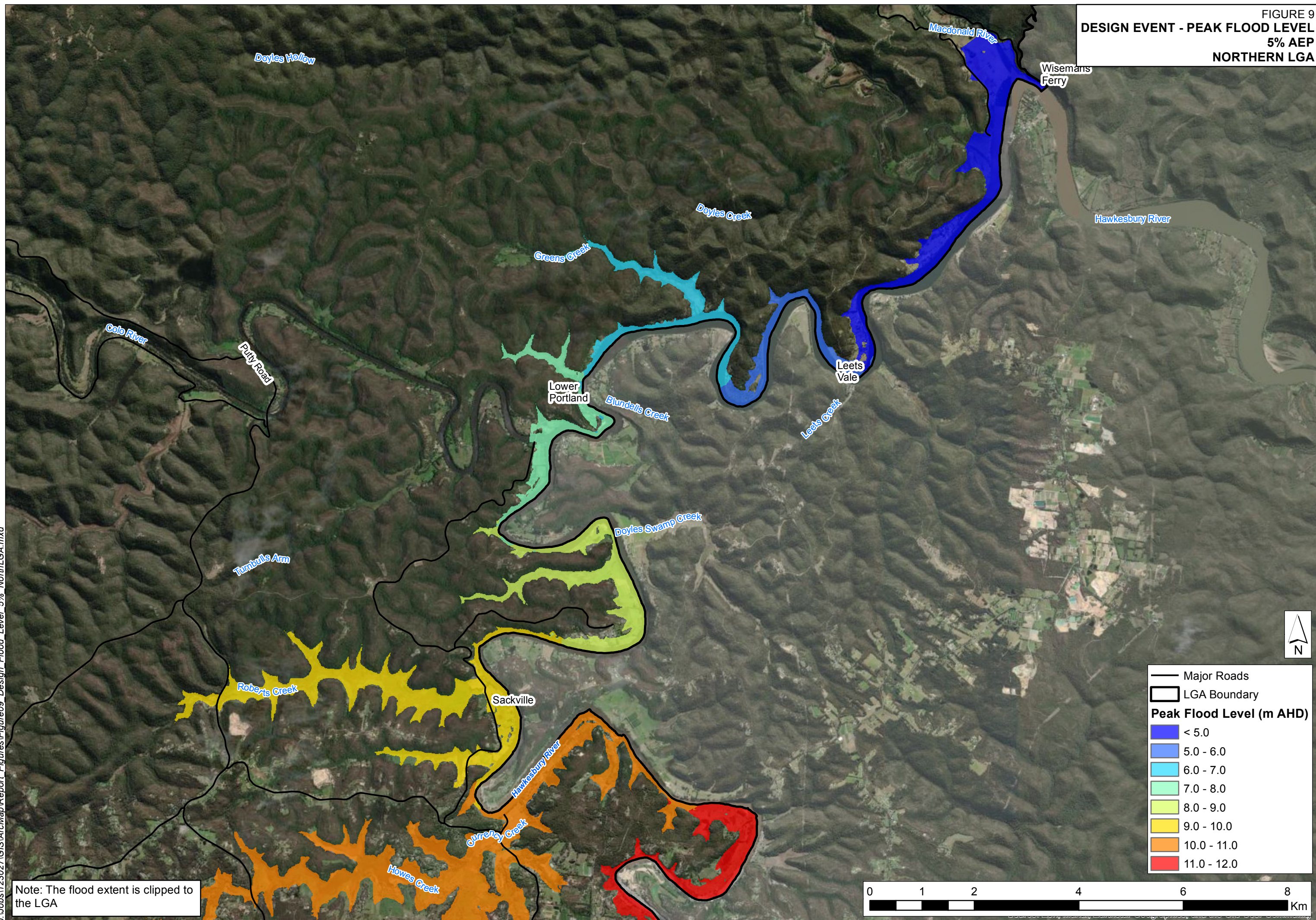
Note: The flood extent is clipped to the LGA



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FIGURE 9  
**DESIGN EVENT - PEAK FLOOD LEVEL**  
**5% AEP**  
**NORTHERN LGA**

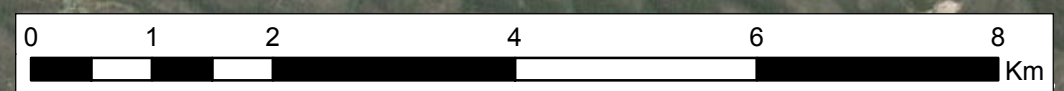


— Major Roads  
 [Thick Black Line] LGA Boundary

**Peak Flood Level (m AHD)**

[Dark Blue]	< 5.0
[Light Blue]	5.0 - 6.0
[Cyan]	6.0 - 7.0
[Light Green]	7.0 - 8.0
[Yellow-Green]	8.0 - 9.0
[Yellow]	9.0 - 10.0
[Orange]	10.0 - 11.0
[Red]	11.0 - 12.0

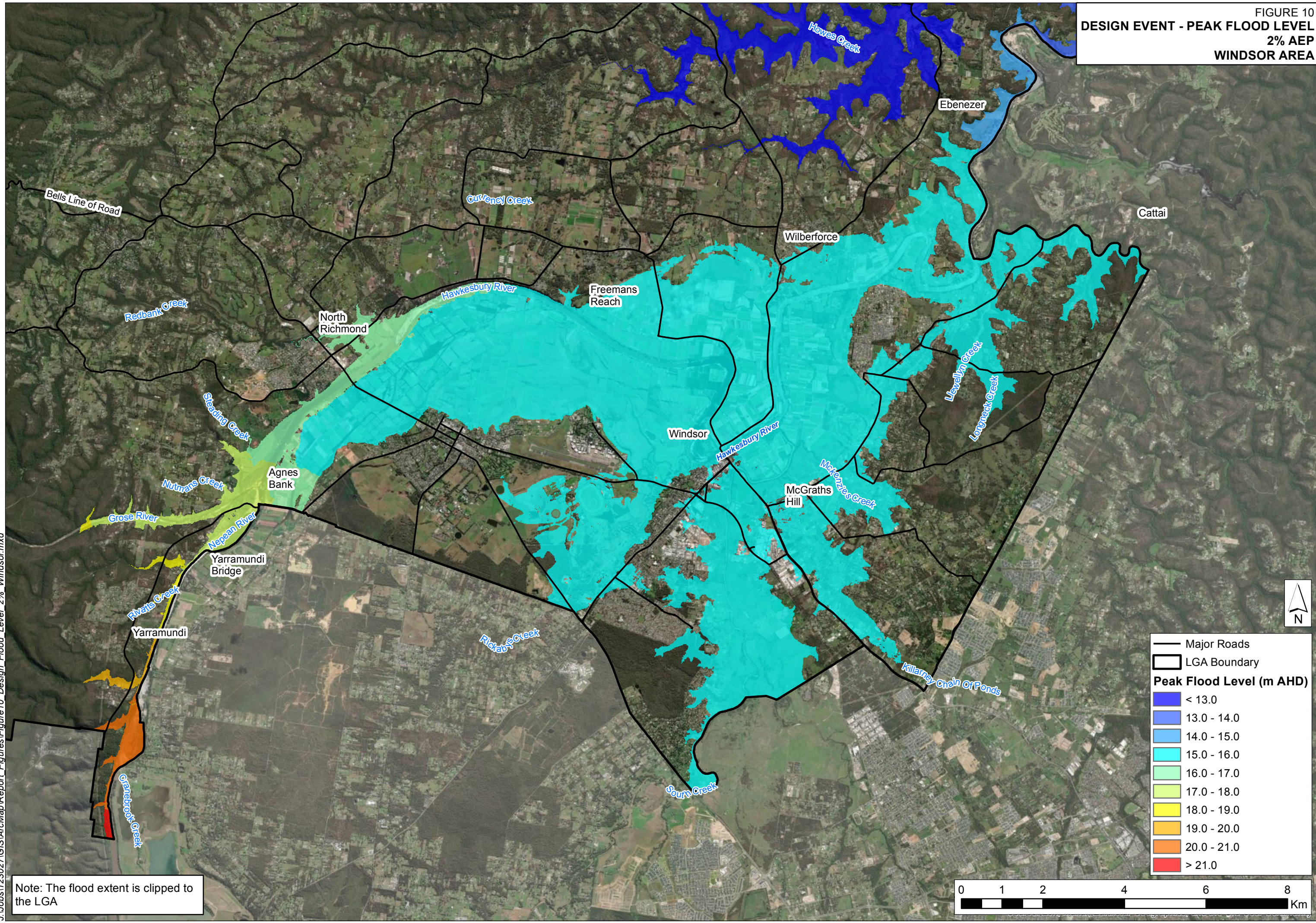
Note: The flood extent is clipped to the LGA



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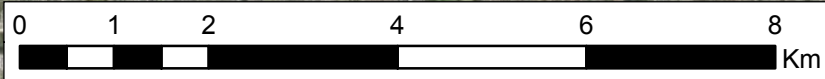


FIGURE 10  
 DESIGN EVENT - PEAK FLOOD LEVEL  
 2% AEP  
 WINDSOR AREA



	Major Roads
	LGA Boundary
<b>Peak Flood Level (m AHD)</b>	
	< 13.0
	13.0 - 14.0
	14.0 - 15.0
	15.0 - 16.0
	16.0 - 17.0
	17.0 - 18.0
	18.0 - 19.0
	19.0 - 20.0
	20.0 - 21.0
	> 21.0

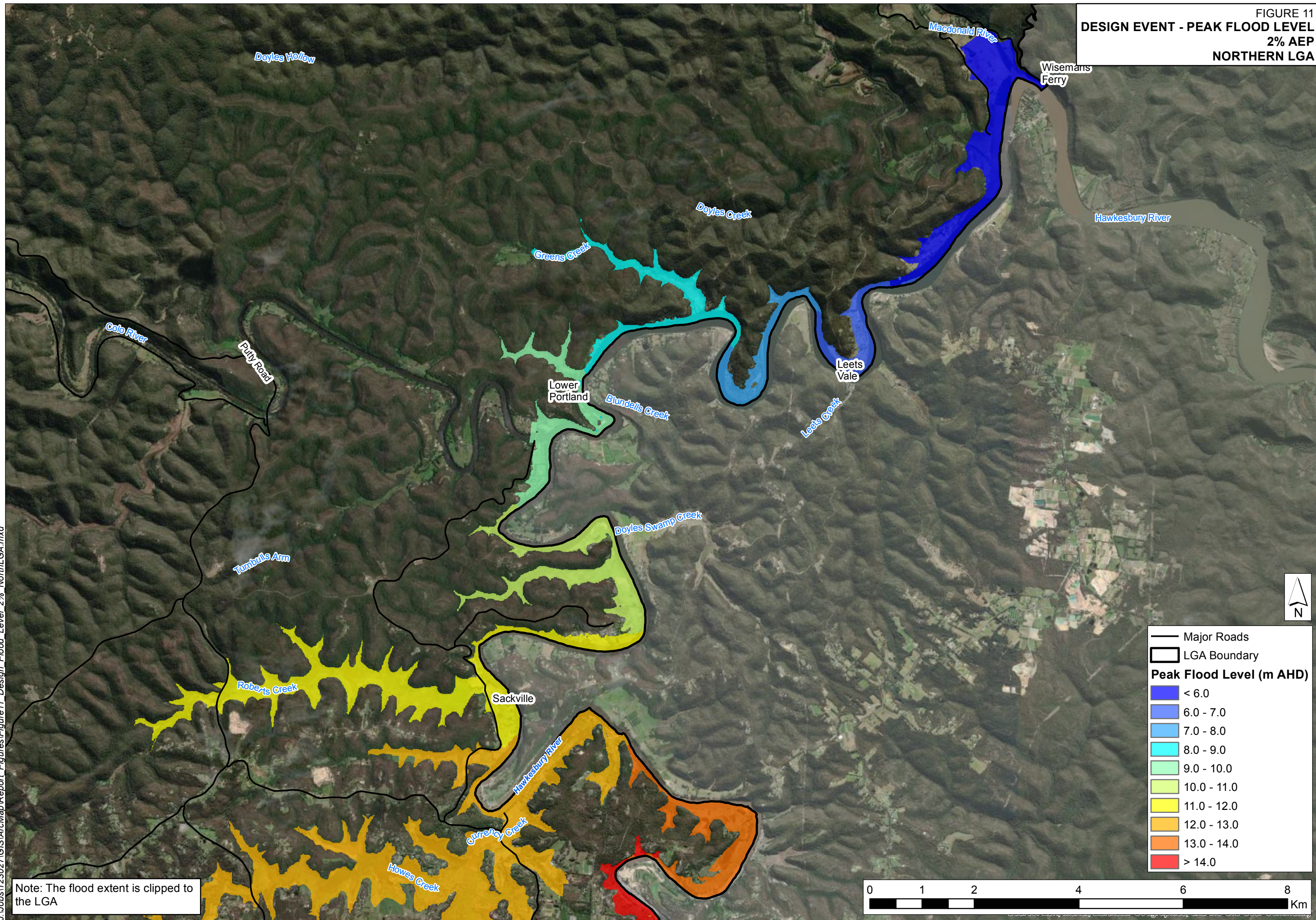
Note: The flood extent is clipped to the LGA



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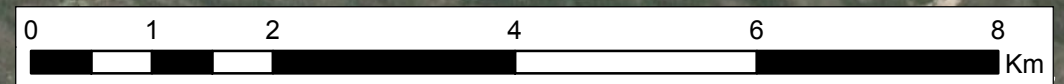
FIGURE 11  
**DESIGN EVENT - PEAK FLOOD LEVEL**  
**2% AEP**  
**NORTHERN LGA**



— Major Roads  
 □ LGA Boundary

**Peak Flood Level (m AHD)**

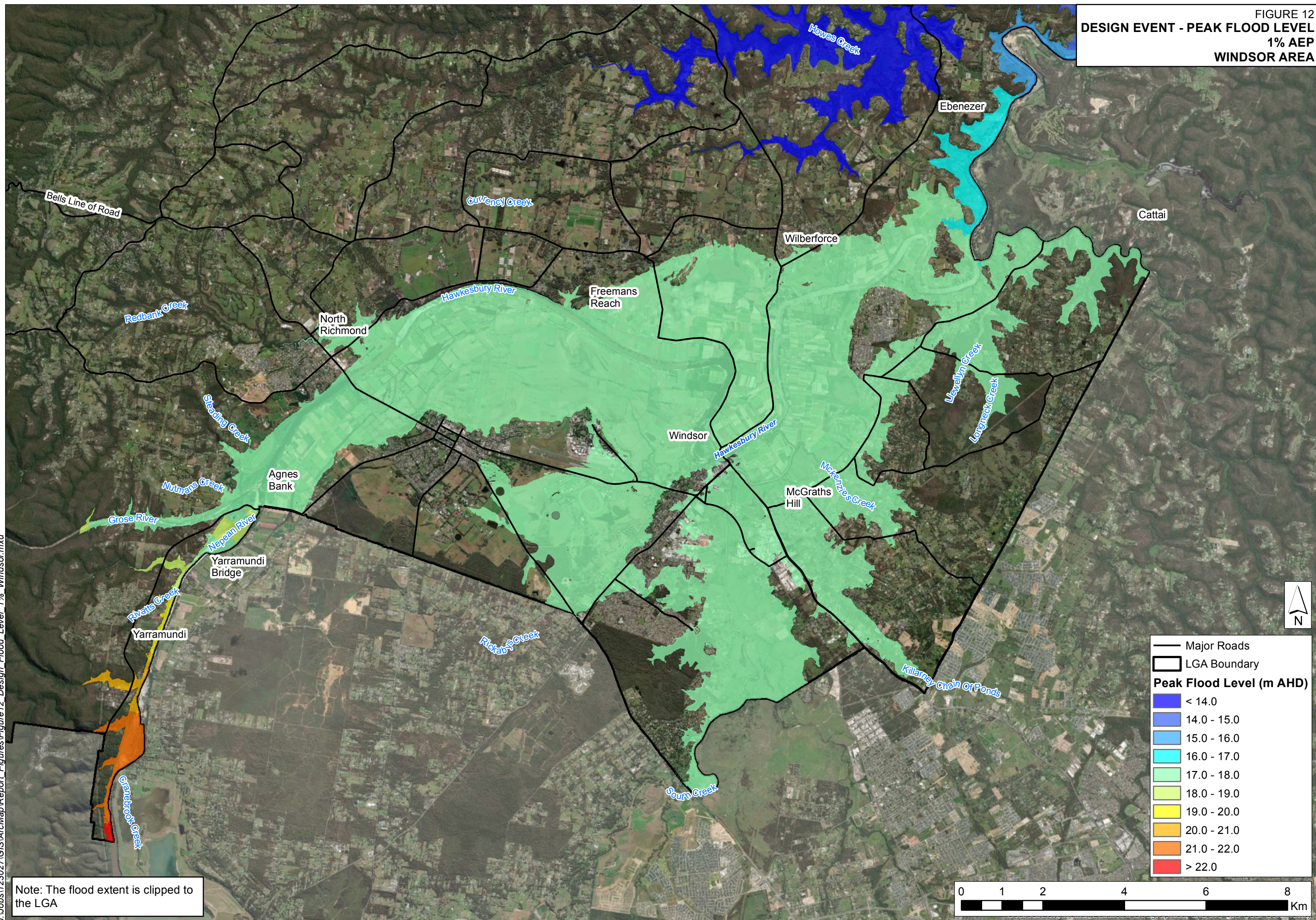
Blue	< 6.0
Light Blue	6.0 - 7.0
Cyan	7.0 - 8.0
Light Green	8.0 - 9.0
Yellow-Green	9.0 - 10.0
Yellow	10.0 - 11.0
Orange	11.0 - 12.0
Dark Orange	12.0 - 13.0
Red-Orange	13.0 - 14.0
Red	> 14.0



Note: The flood extent is clipped to the LGA

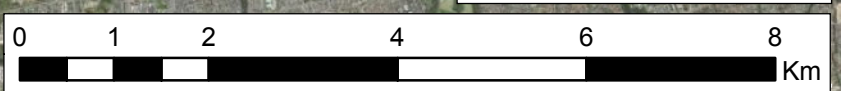


FIGURE 12  
 DESIGN EVENT - PEAK FLOOD LEVEL  
 1% AEP  
 WINDSOR AREA



	Major Roads
	LGA Boundary
<b>Peak Flood Level (m AHD)</b>	
	< 14.0
	14.0 - 15.0
	15.0 - 16.0
	16.0 - 17.0
	17.0 - 18.0
	18.0 - 19.0
	19.0 - 20.0
	20.0 - 21.0
	21.0 - 22.0
	> 22.0

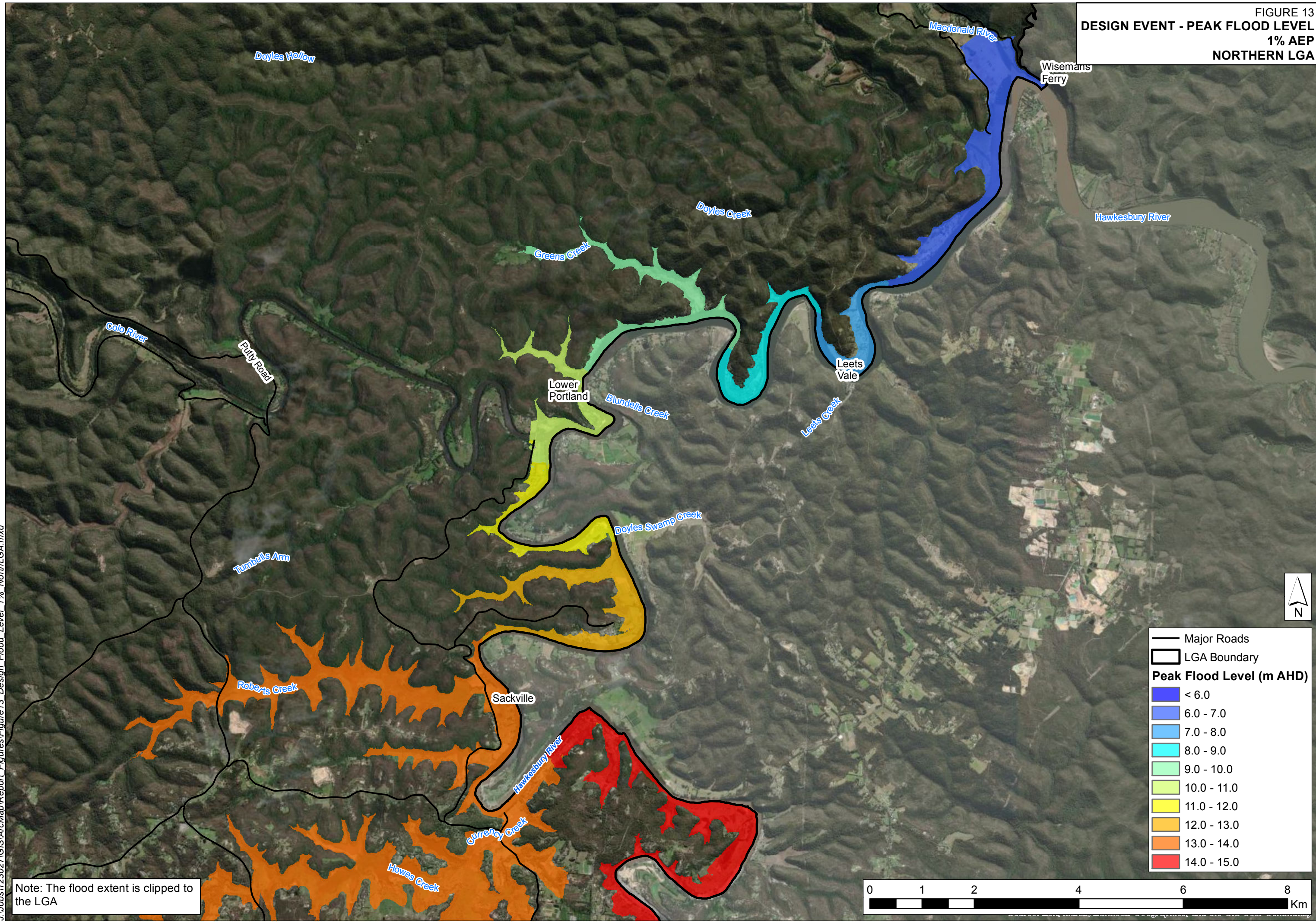
Note: The flood extent is clipped to the LGA



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FIGURE 13  
**DESIGN EVENT - PEAK FLOOD LEVEL**  
**1% AEP**  
**NORTHERN LGA**



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Note: The flood extent is clipped to the LGA

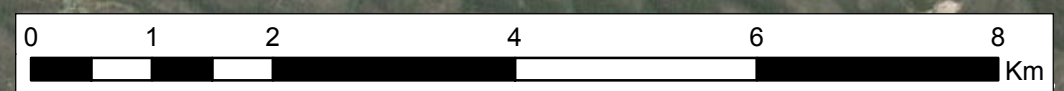
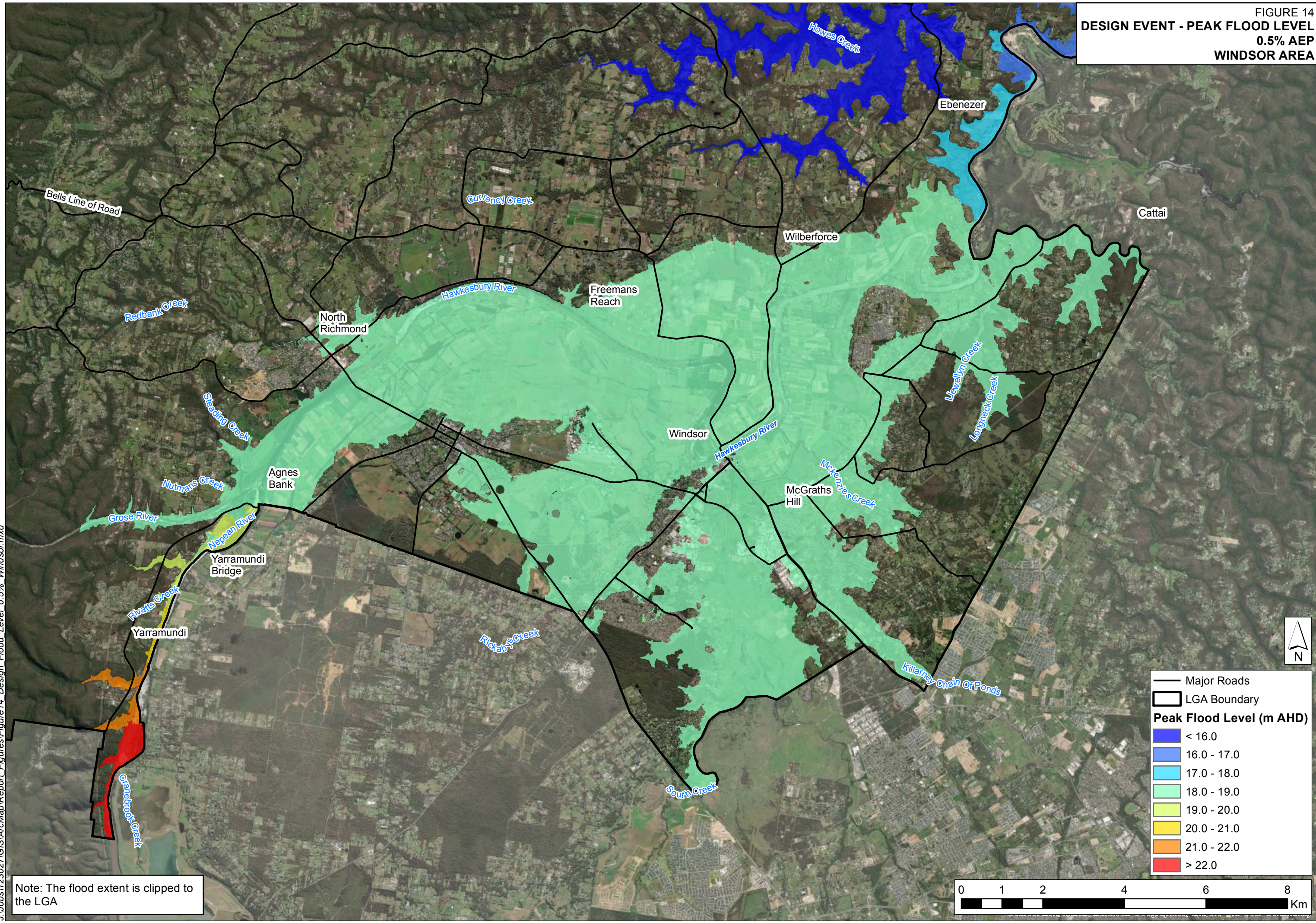




FIGURE 14  
**DESIGN EVENT - PEAK FLOOD LEVEL**  
**0.5% AEP**  
**WINDSOR AREA**



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Note: The flood extent is clipped to the LGA

— Major Roads  
 □ LGA Boundary

**Peak Flood Level (m AHD)**

Blue	< 16.0
Light Blue	16.0 - 17.0
Light Green	17.0 - 18.0
Green	18.0 - 19.0
Yellow-Green	19.0 - 20.0
Yellow	20.0 - 21.0
Orange	21.0 - 22.0
Red	> 22.0

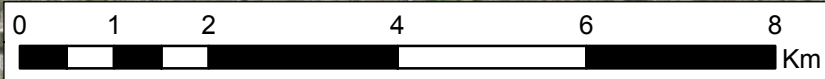
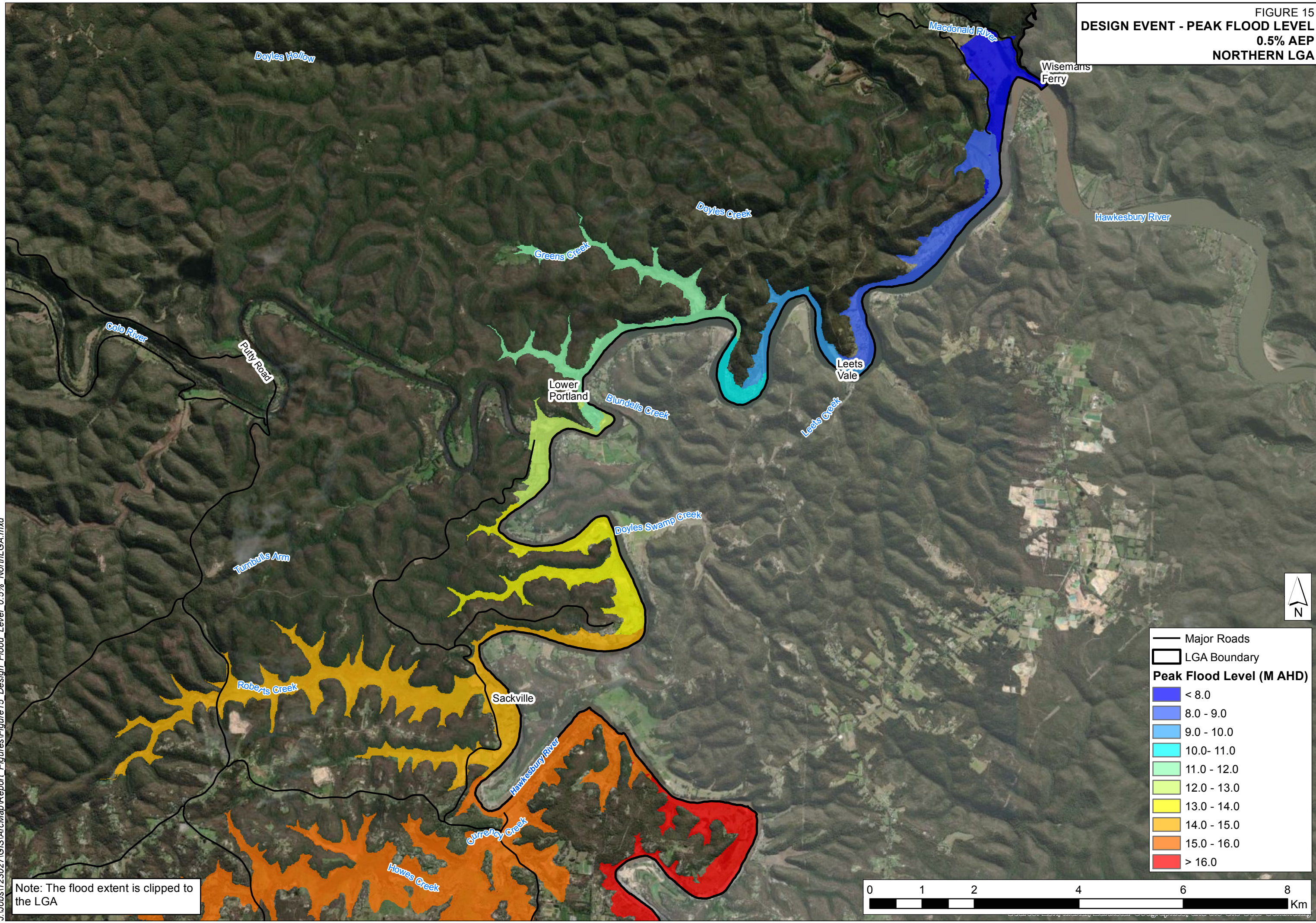
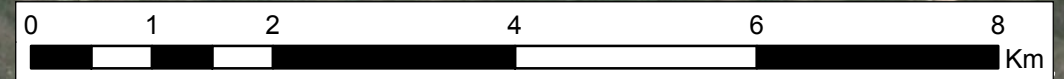




FIGURE 15  
**DESIGN EVENT - PEAK FLOOD LEVEL**  
**0.5% AEP**  
**NORTHERN LGA**



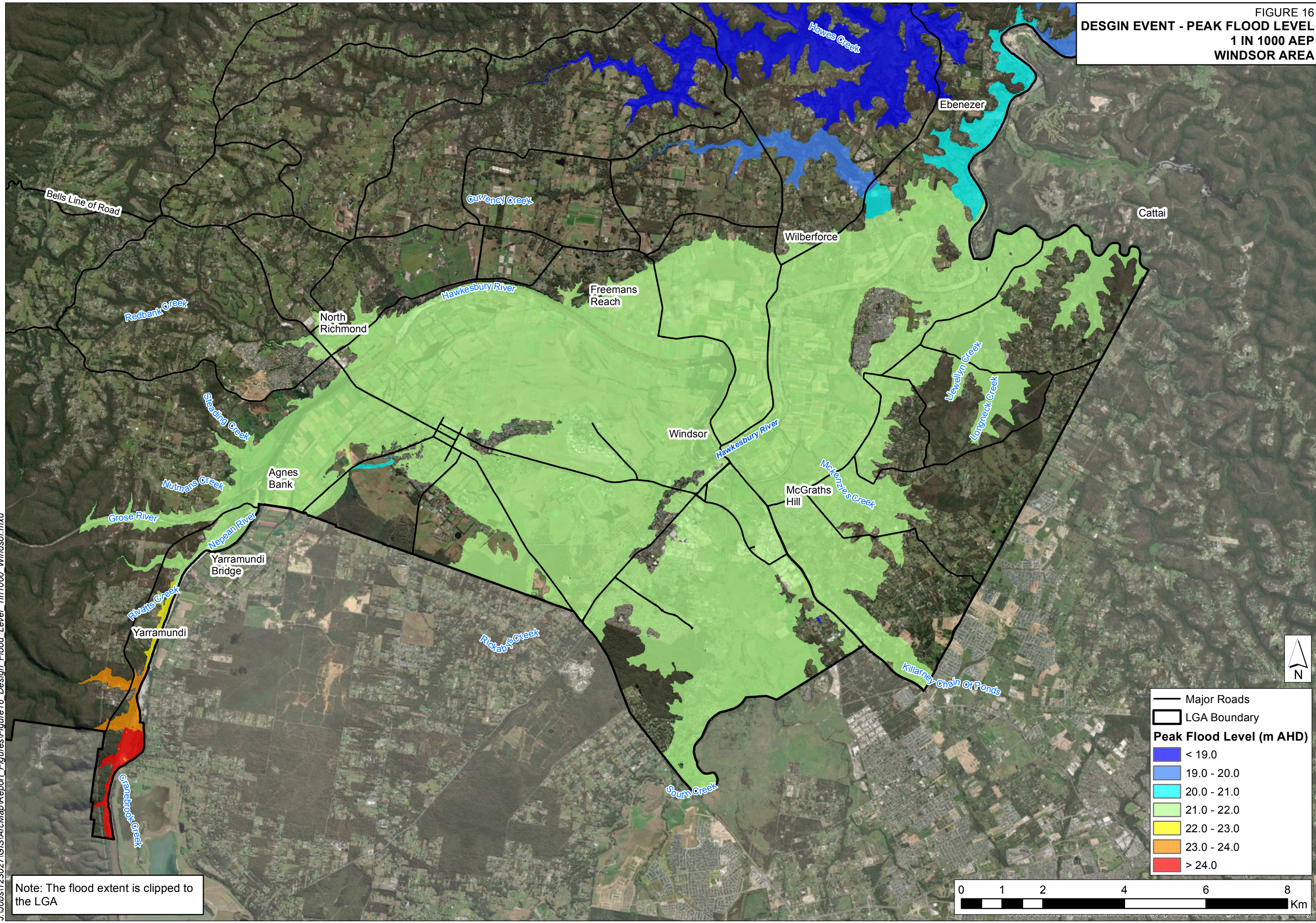
	Major Roads
	LGA Boundary
<b>Peak Flood Level (M AHD)</b>	
	< 8.0
	8.0 - 9.0
	9.0 - 10.0
	10.0 - 11.0
	11.0 - 12.0
	12.0 - 13.0
	13.0 - 14.0
	14.0 - 15.0
	15.0 - 16.0
	> 16.0



Note: The flood extent is clipped to the LGA



FIGURE 16  
 DESGIN EVENT - PEAK FLOOD LEVEL  
 1 IN 1000 AEP  
 WINDSOR AREA



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Note: The flood extent is clipped to the LGA

— Major Roads  
 □ LGA Boundary

**Peak Flood Level (m AHD)**

- < 19.0
- 19.0 - 20.0
- 20.0 - 21.0
- 21.0 - 22.0
- 22.0 - 23.0
- 23.0 - 24.0
- > 24.0

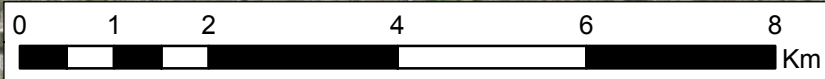
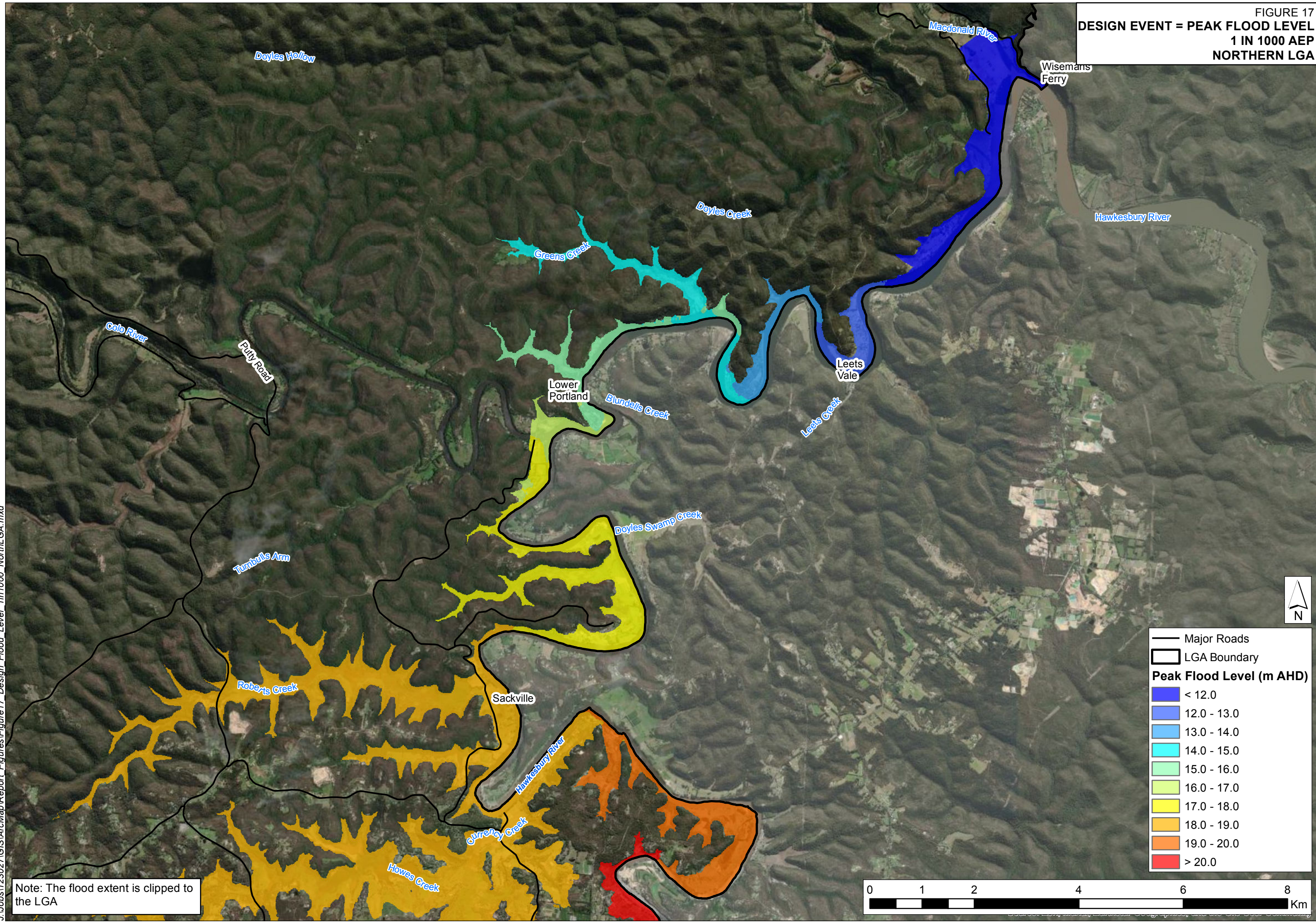




FIGURE 17  
 DESIGN EVENT = PEAK FLOOD LEVEL  
 1 IN 1000 AEP  
 NORTHERN LGA

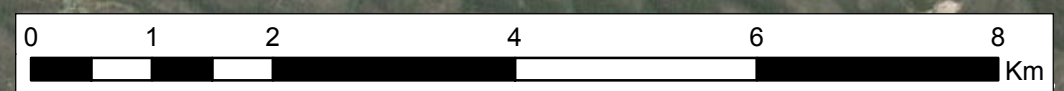


— Major Roads  
 [Thick Black Line] LGA Boundary

**Peak Flood Level (m AHD)**

[Dark Blue]	< 12.0
[Light Blue]	12.0 - 13.0
[Cyan]	13.0 - 14.0
[Light Green]	14.0 - 15.0
[Yellow-Green]	15.0 - 16.0
[Yellow]	16.0 - 17.0
[Orange-Yellow]	17.0 - 18.0
[Orange]	18.0 - 19.0
[Dark Orange]	19.0 - 20.0
[Red]	> 20.0

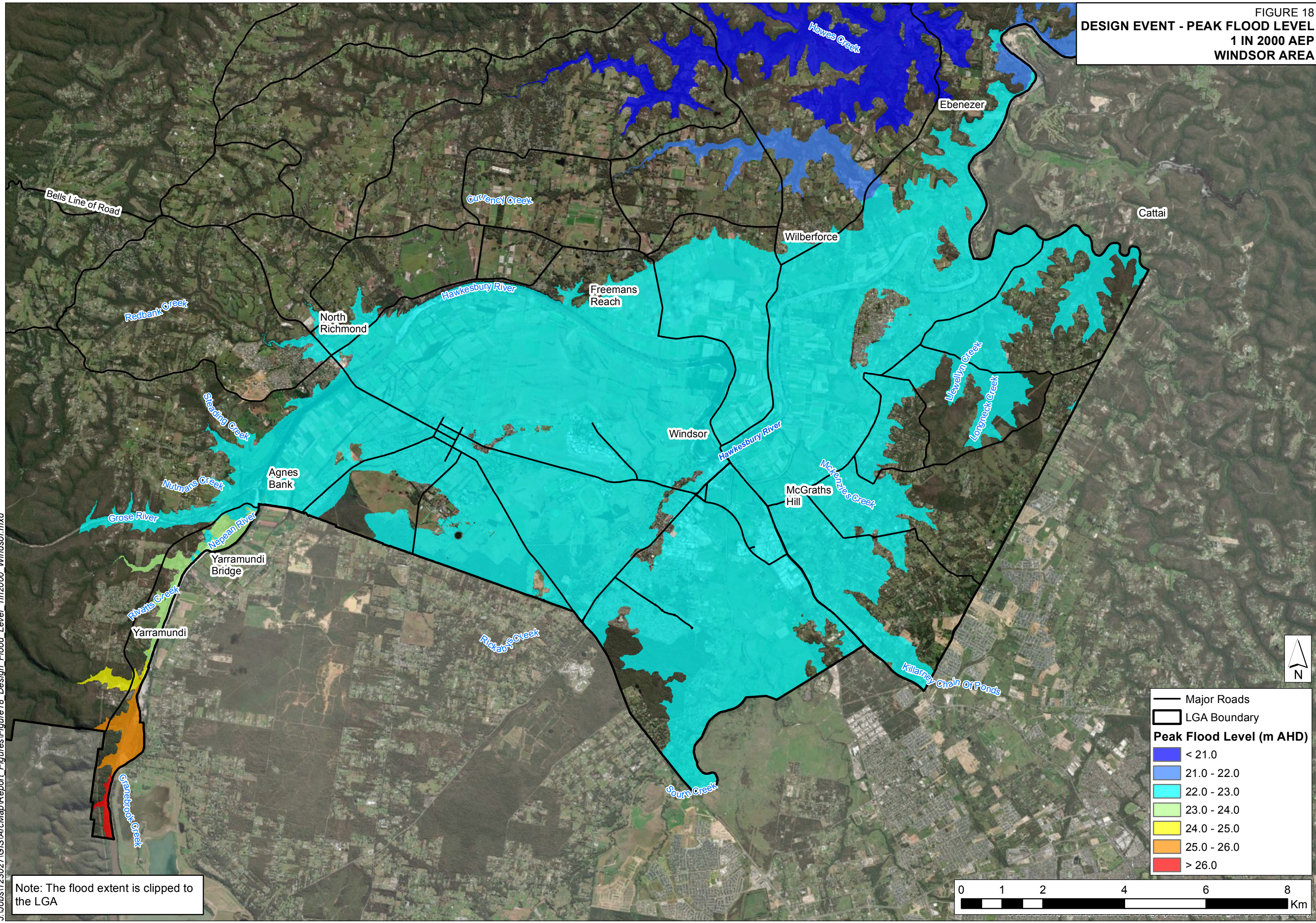
Note: The flood extent is clipped to the LGA



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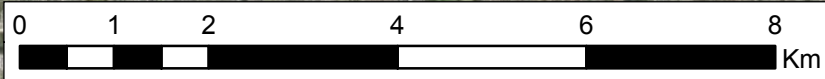
FIGURE 18  
**DESIGN EVENT - PEAK FLOOD LEVEL**  
**1 IN 2000 AEP**  
**WINDSOR AREA**



— Major Roads  
 □ LGA Boundary

**Peak Flood Level (m AHD)**

Dark Blue	< 21.0
Light Blue	21.0 - 22.0
Cyan	22.0 - 23.0
Light Green	23.0 - 24.0
Yellow	24.0 - 25.0
Orange	25.0 - 26.0
Red	> 26.0

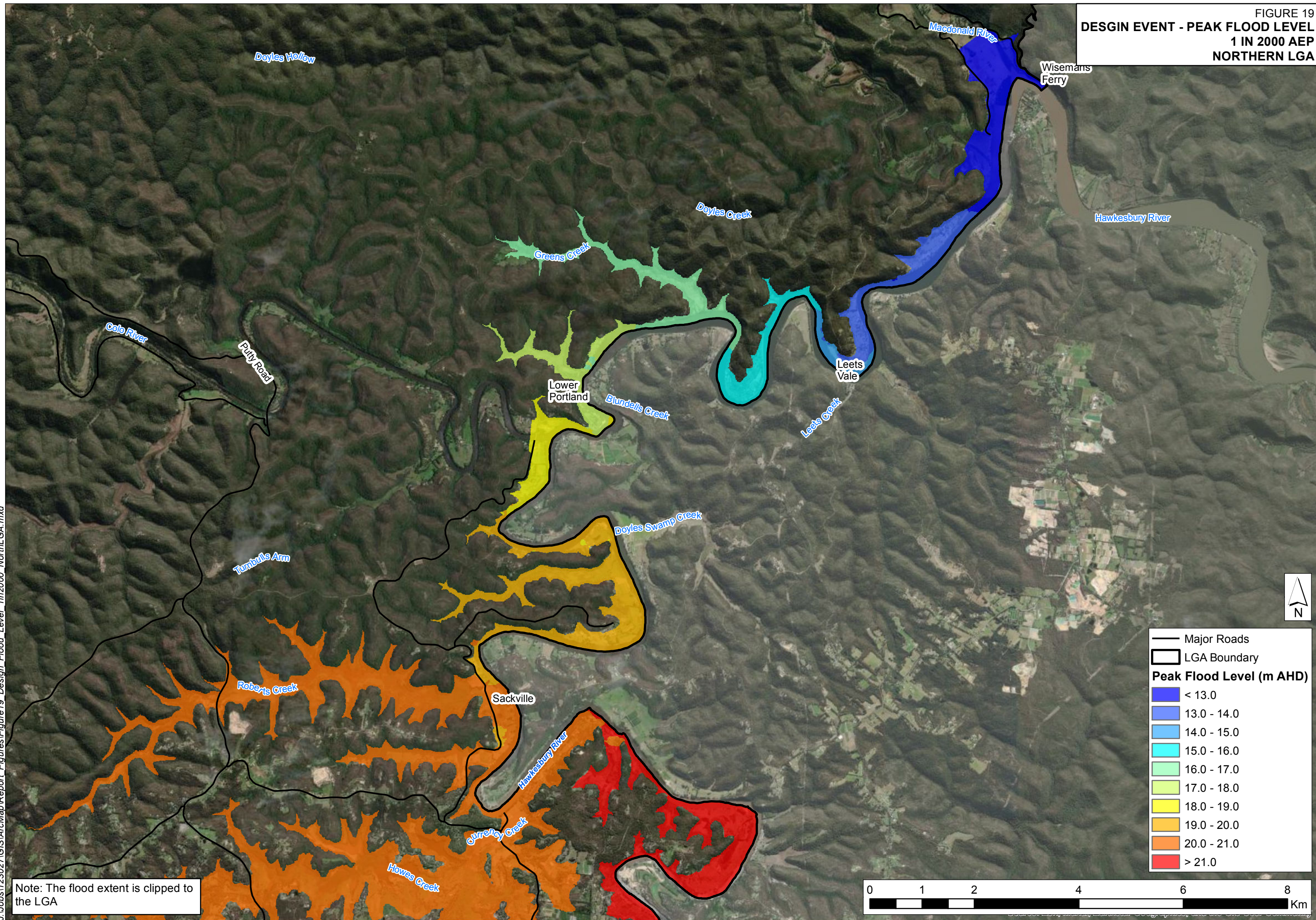


Note: The flood extent is clipped to the LGA

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FIGURE 19  
 DESIGN EVENT - PEAK FLOOD LEVEL  
 1 IN 2000 AEP  
 NORTHERN LGA



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Note: The flood extent is clipped to the LGA

— Major Roads  
 □ LGA Boundary

**Peak Flood Level (m AHD)**

Blue	< 13.0
Light Blue	13.0 - 14.0
Cyan	14.0 - 15.0
Light Cyan	15.0 - 16.0
Light Green	16.0 - 17.0
Yellow-Green	17.0 - 18.0
Yellow	18.0 - 19.0
Orange	19.0 - 20.0
Dark Orange	20.0 - 21.0
Red	> 21.0

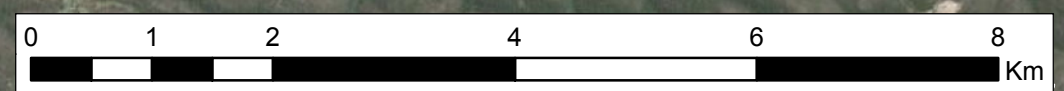
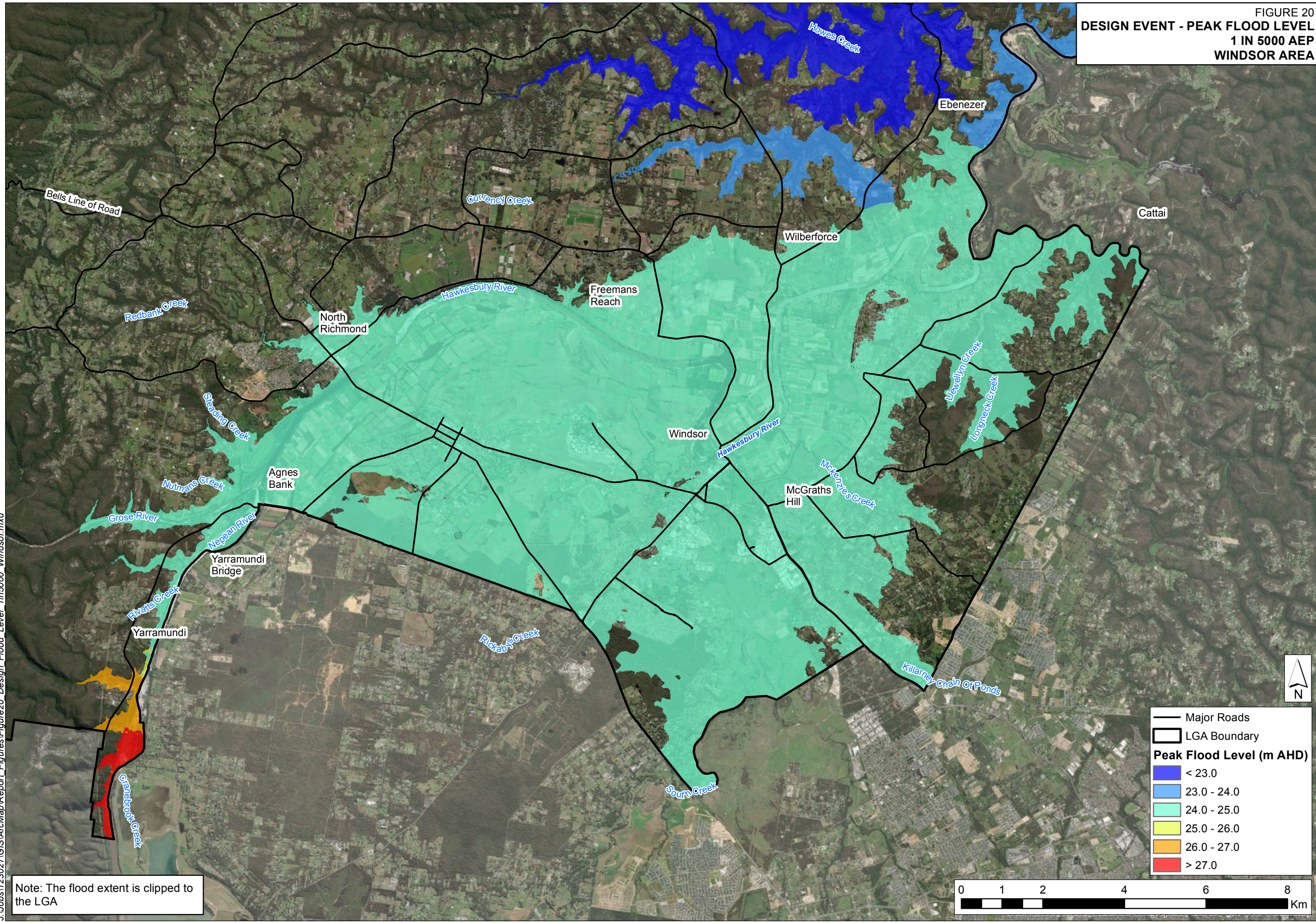




FIGURE 20  
**DESIGN EVENT - PEAK FLOOD LEVEL**  
**1 IN 5000 AEP**  
**WINDSOR AREA**



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Note: The flood extent is clipped to the LGA

— Major Roads  
 □ LGA Boundary

**Peak Flood Level (m AHD)**

- < 23.0
- 23.0 - 24.0
- 24.0 - 25.0
- 25.0 - 26.0
- 26.0 - 27.0
- > 27.0

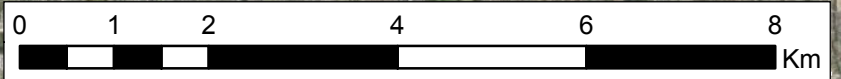
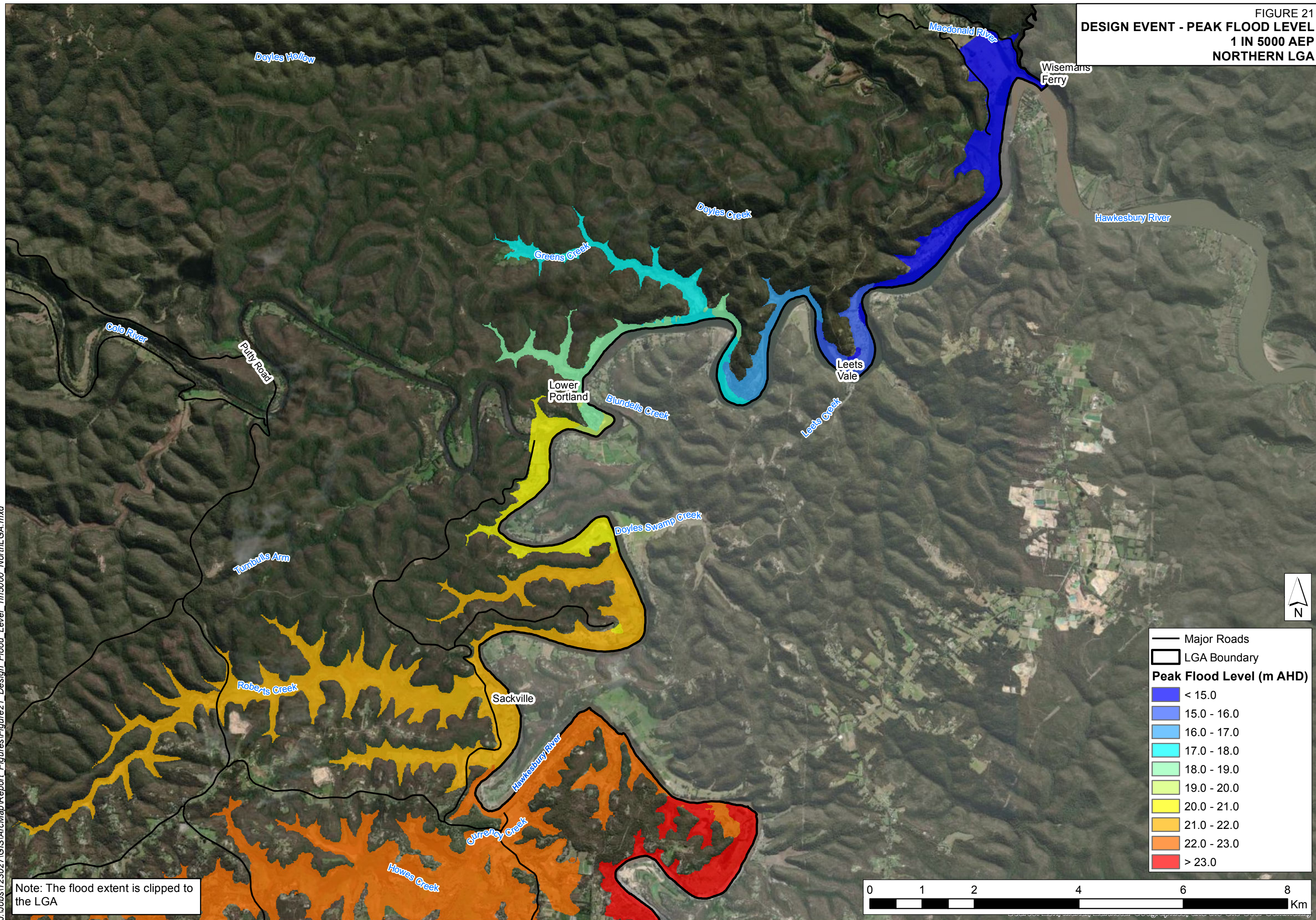




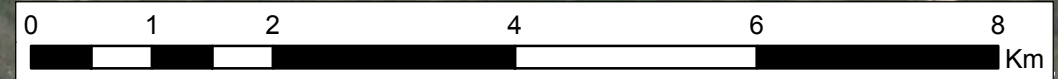
FIGURE 21  
**DESIGN EVENT - PEAK FLOOD LEVEL**  
**1 IN 5000 AEP**  
**NORTHERN LGA**



— Major Roads  
 □ LGA Boundary

**Peak Flood Level (m AHD)**

Blue	< 15.0
Light Blue	15.0 - 16.0
Medium Blue	16.0 - 17.0
Cyan	17.0 - 18.0
Light Green	18.0 - 19.0
Yellow-Green	19.0 - 20.0
Yellow	20.0 - 21.0
Orange	21.0 - 22.0
Dark Orange	22.0 - 23.0
Red	> 23.0

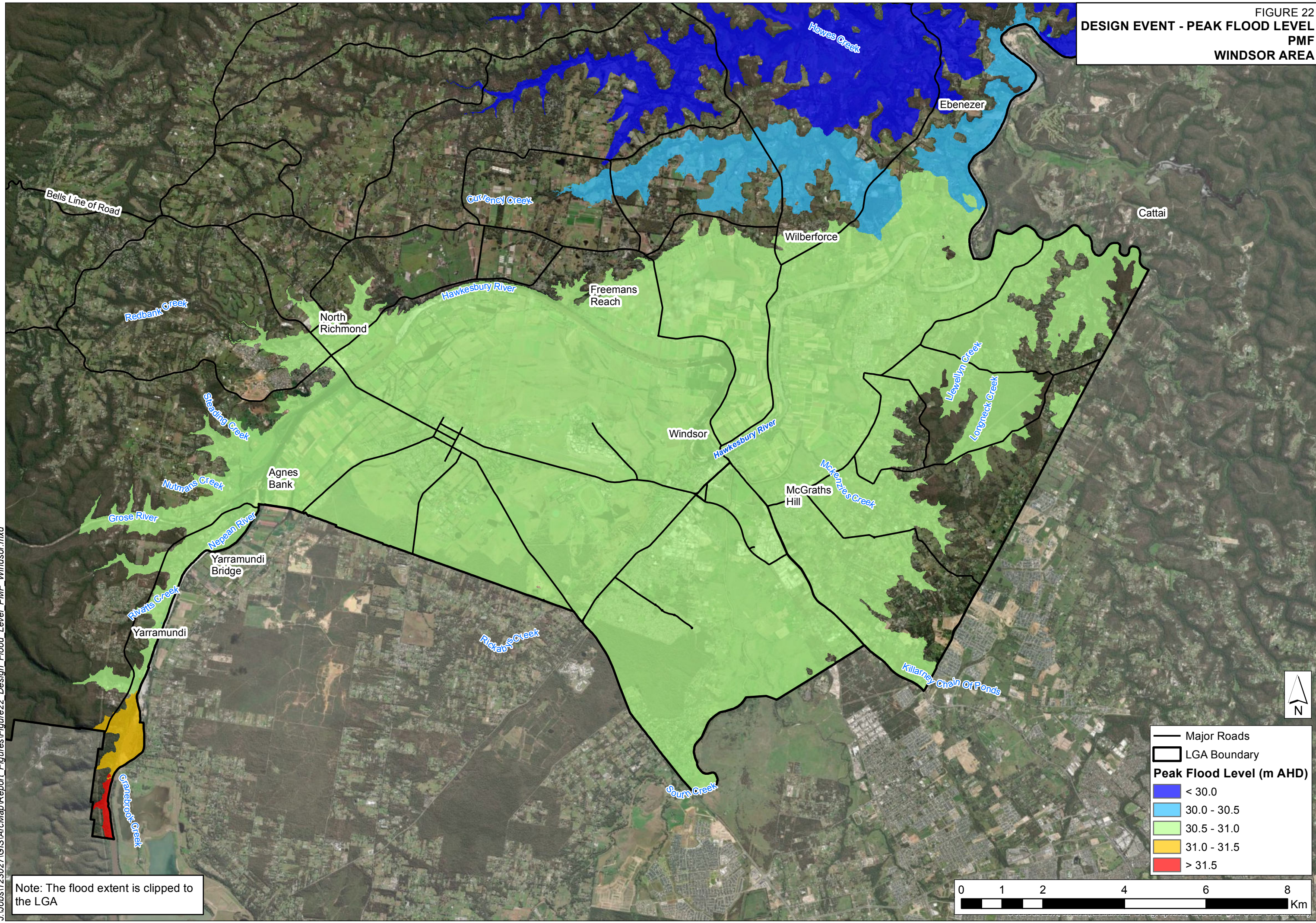


Note: The flood extent is clipped to the LGA

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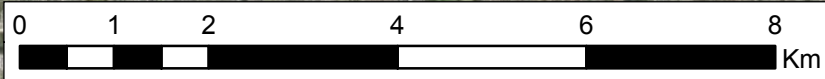
FIGURE 22  
 DESIGN EVENT - PEAK FLOOD LEVEL  
 PMF  
 WINDSOR AREA



— Major Roads  
 □ LGA Boundary

**Peak Flood Level (m AHD)**

- < 30.0
- 30.0 - 30.5
- 30.5 - 31.0
- 31.0 - 31.5
- > 31.5

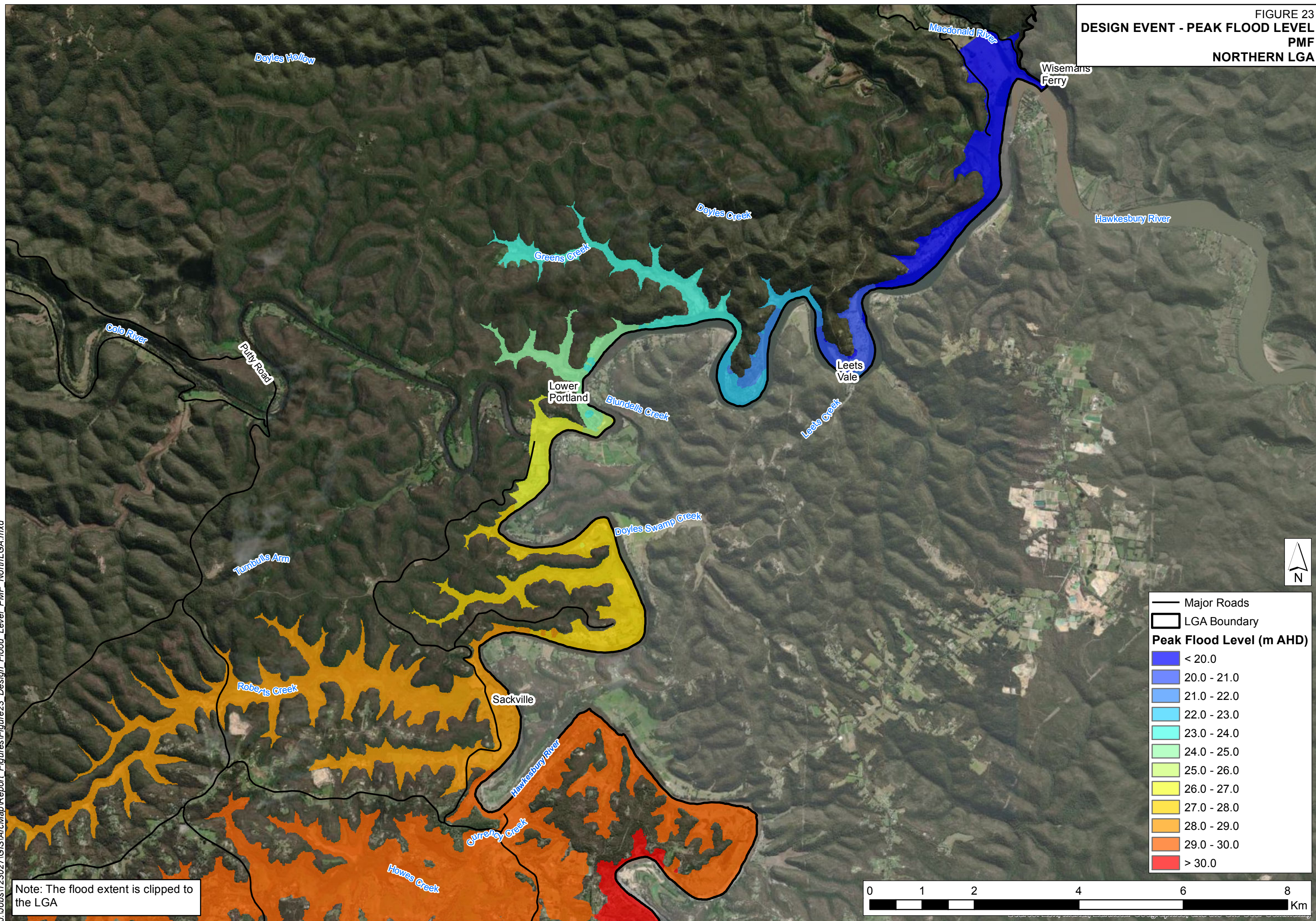


Note: The flood extent is clipped to the LGA

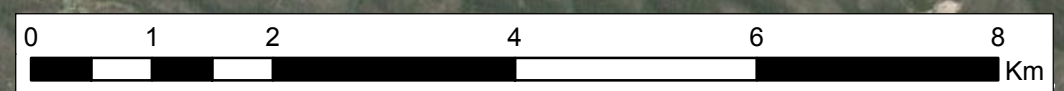
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FIGURE 23  
**DESIGN EVENT - PEAK FLOOD LEVEL**  
**PMF**  
**NORTHERN LGA**



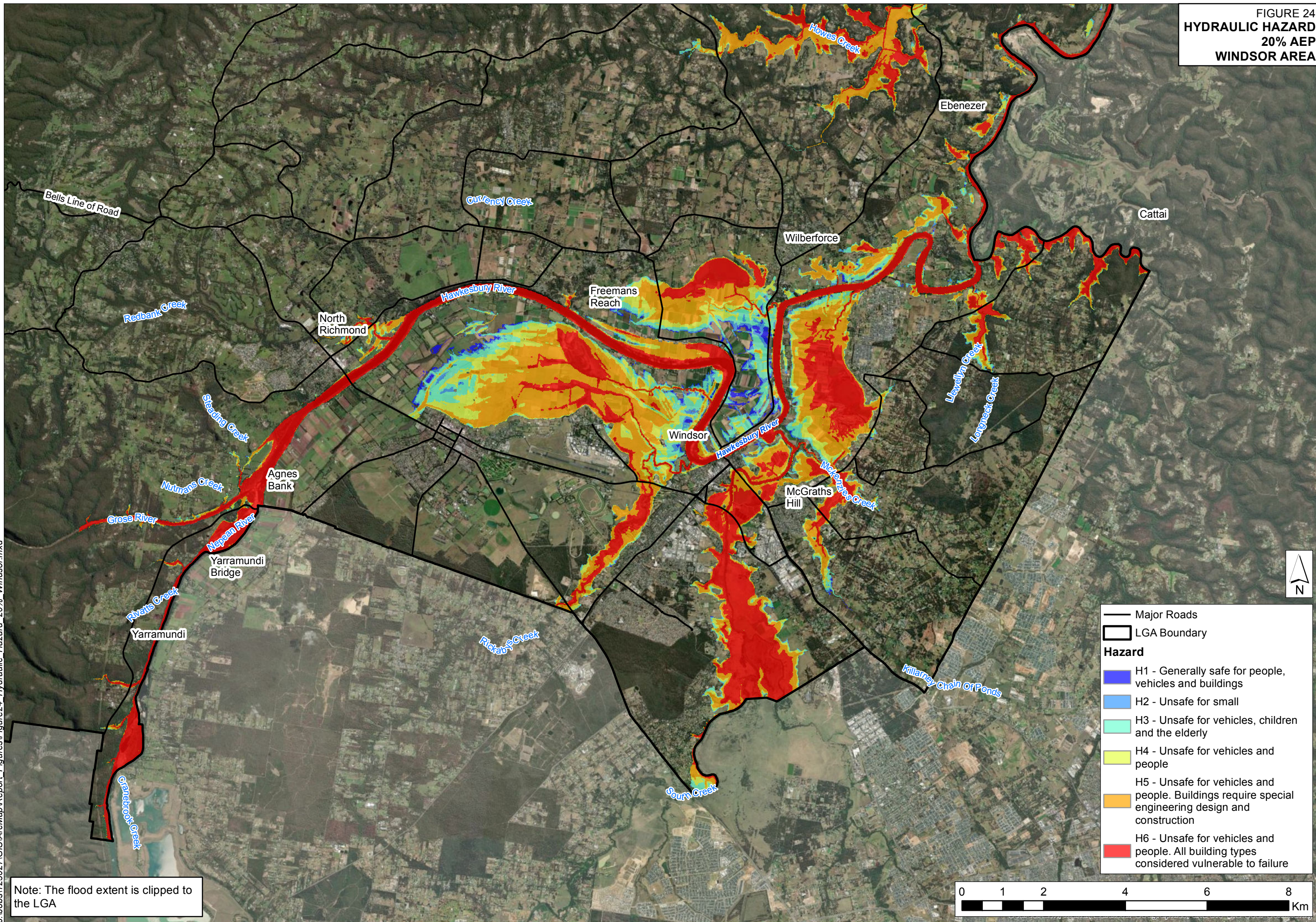
	Major Roads
	LGA Boundary
<b>Peak Flood Level (m AHD)</b>	
	< 20.0
	20.0 - 21.0
	21.0 - 22.0
	22.0 - 23.0
	23.0 - 24.0
	24.0 - 25.0
	25.0 - 26.0
	26.0 - 27.0
	27.0 - 28.0
	28.0 - 29.0
	29.0 - 30.0
	> 30.0



Note: The flood extent is clipped to the LGA



FIGURE 24  
**HYDRAULIC HAZARD**  
**20% AEP**  
**WINDSOR AREA**

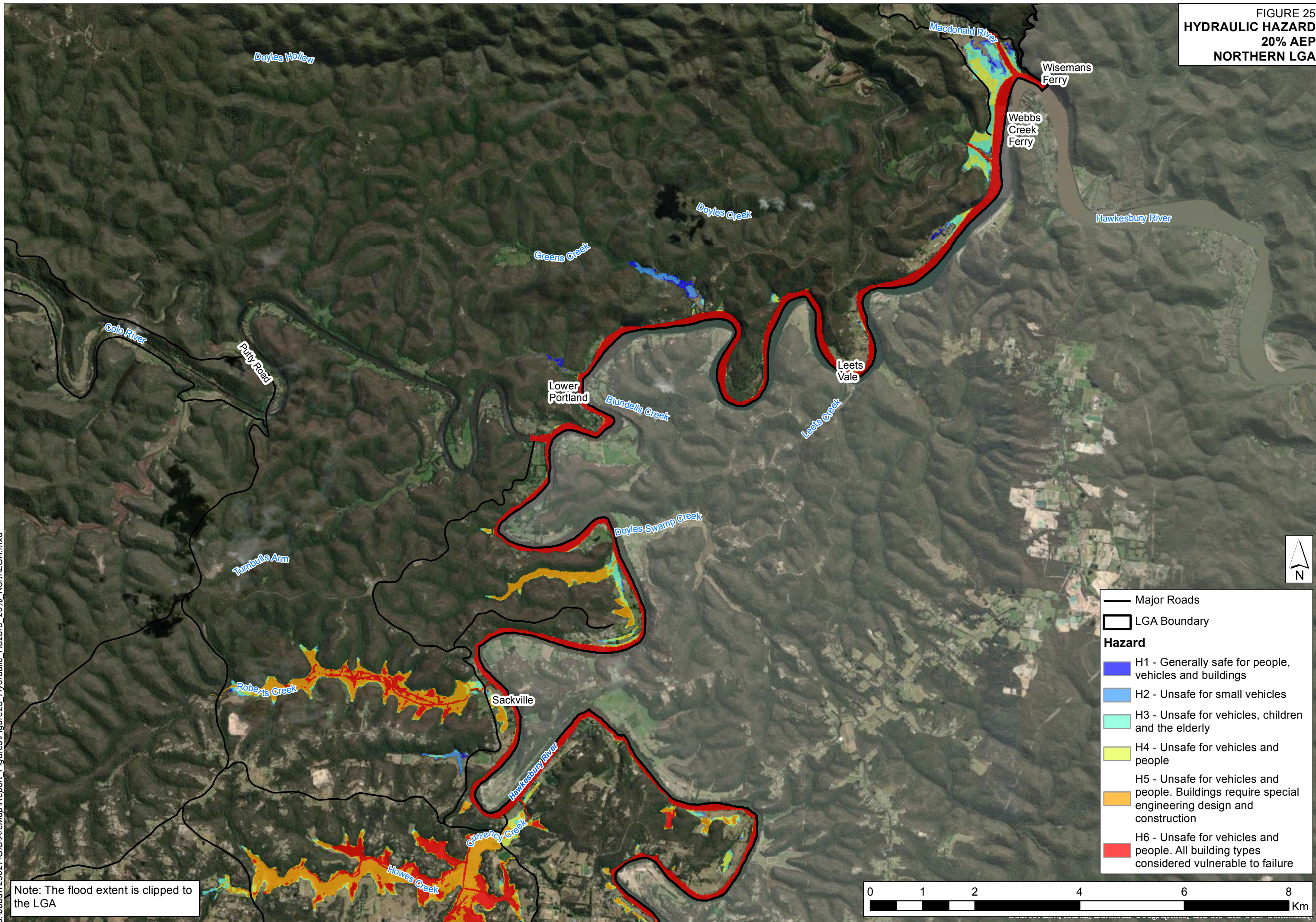


Note: The flood extent is clipped to the LGA

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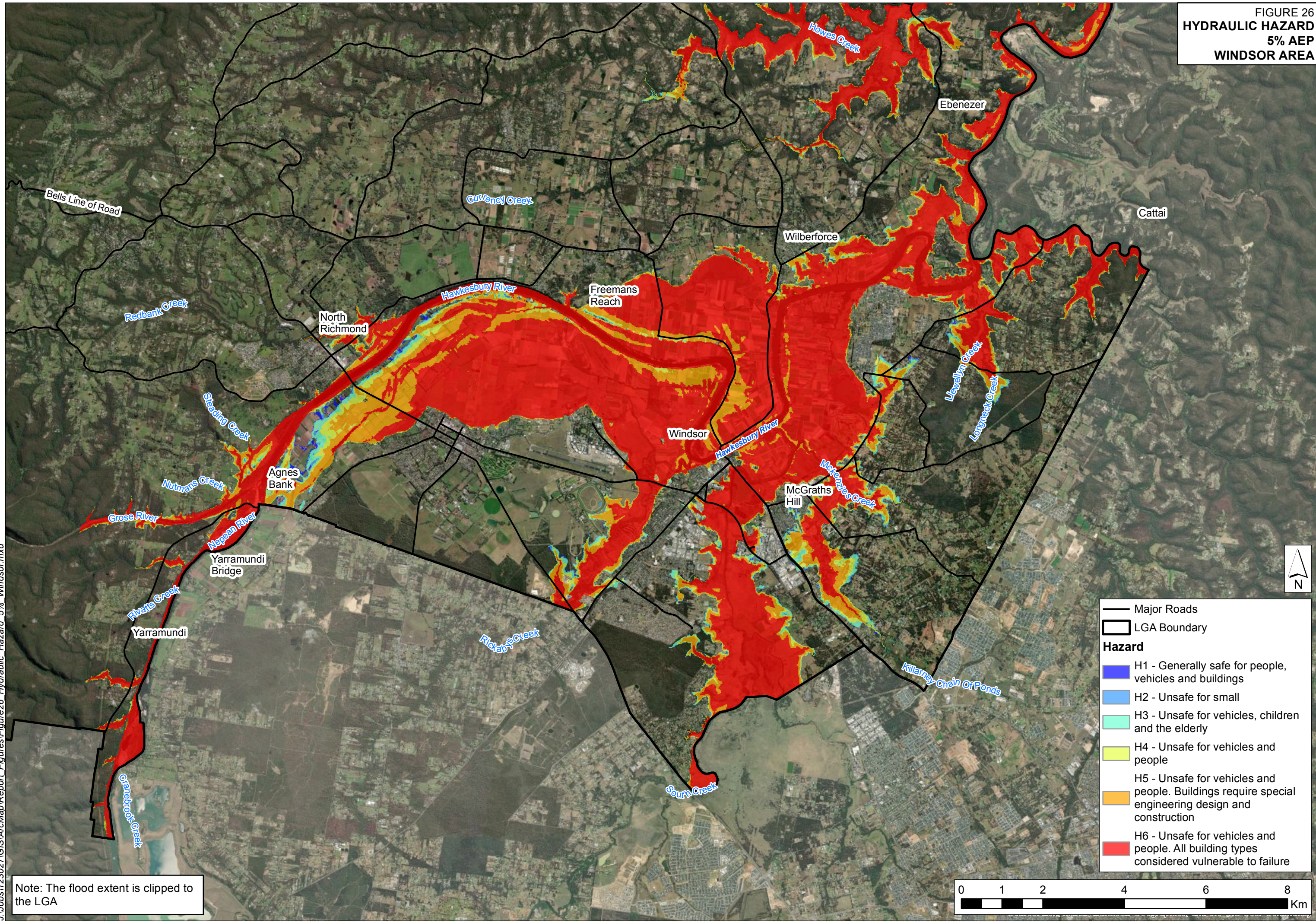
FIGURE 25  
**HYDRAULIC HAZARD**  
 20% AEP  
 NORTHERN LGA



Note: The flood extent is clipped to the LGA



FIGURE 26  
**HYDRAULIC HAZARD**  
**5% AEP**  
**WINDSOR AREA**



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Note: The flood extent is clipped to the LGA

— Major Roads  
 □ LGA Boundary

**Hazard**

- H1 - Generally safe for people, vehicles and buildings
- H2 - Unsafe for small
- H3 - Unsafe for vehicles, children and the elderly
- H4 - Unsafe for vehicles and people
- H5 - Unsafe for vehicles and people. Buildings require special engineering design and construction
- H6 - Unsafe for vehicles and people. All building types considered vulnerable to failure

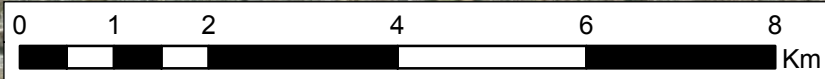
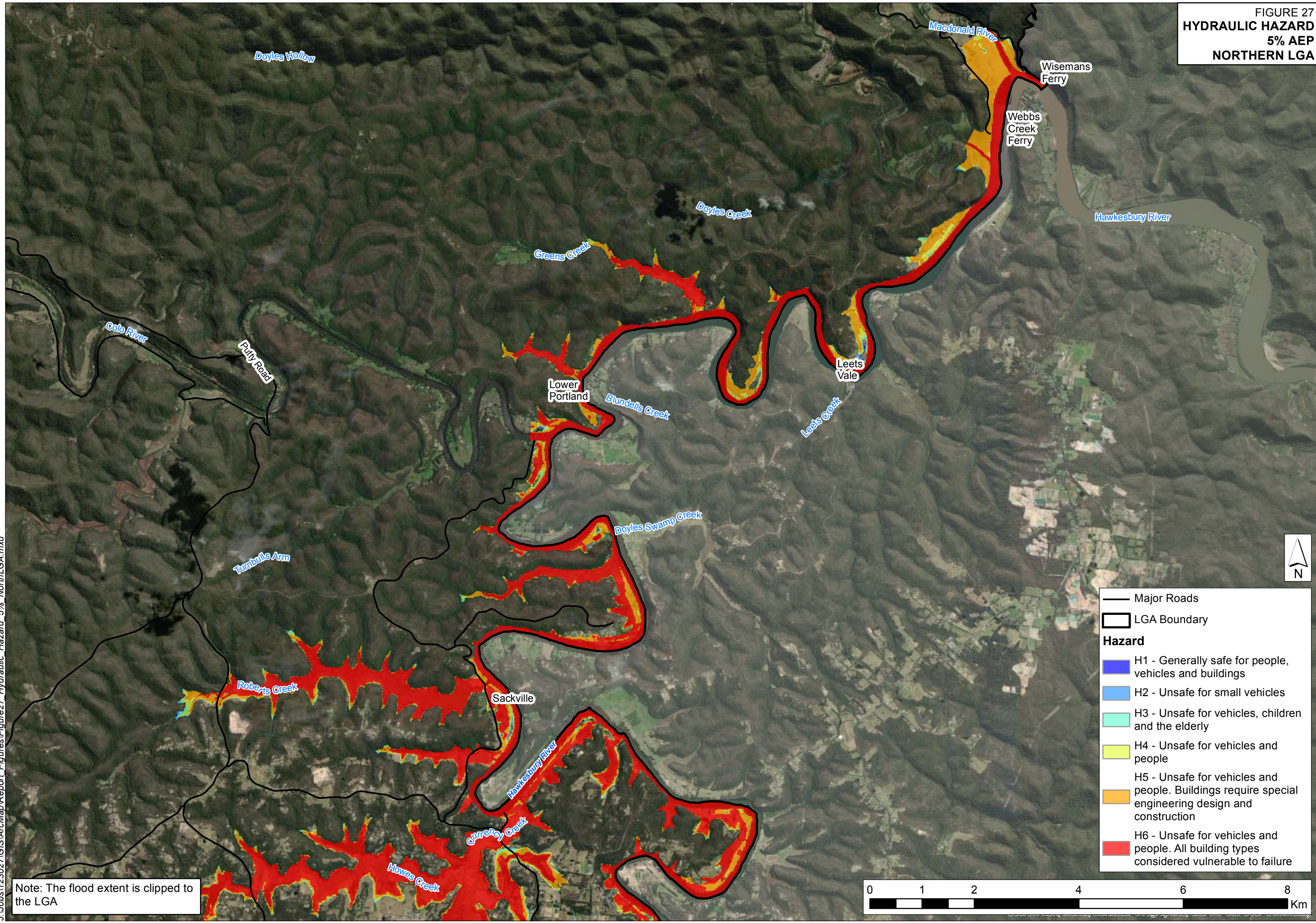




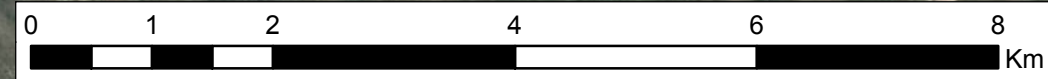
FIGURE 27  
**HYDRAULIC HAZARD**  
**5% AEP**  
**NORTHERN LGA**



— Major Roads  
 □ LGA Boundary

**Hazard**

- H1 - Generally safe for people, vehicles 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. Buildings require special engineering design and construction
- H6 - Unsafe for vehicles and people. All building types considered vulnerable to failure

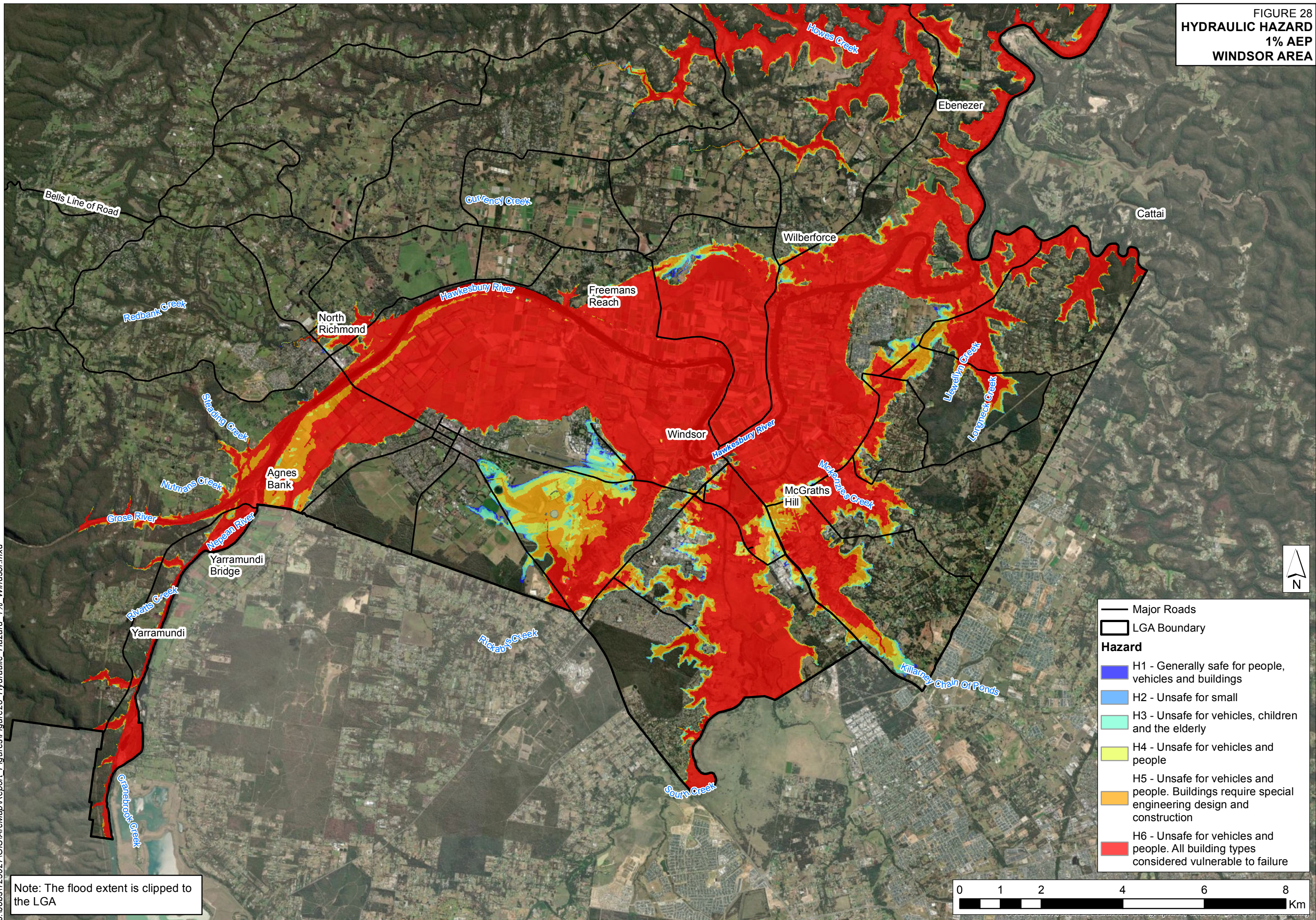


Note: The flood extent is clipped to the LGA

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FIGURE 28  
 HYDRAULIC HAZARD  
 1% AEP  
 WINDSOR AREA



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Note: The flood extent is clipped to the LGA

— Major Roads  
 □ LGA Boundary

**Hazard**

- H1 - Generally safe for people, vehicles and buildings
- H2 - Unsafe for small
- H3 - Unsafe for vehicles, children and the elderly
- H4 - Unsafe for vehicles and people
- H5 - Unsafe for vehicles and people. Buildings require special engineering design and construction
- H6 - Unsafe for vehicles and people. All building types considered vulnerable to failure

