

Darlington Point

Floodplain Risk Management Study & Plan

Floodplain Risk Management Study and Plan
Volume 2 of 2: Figures

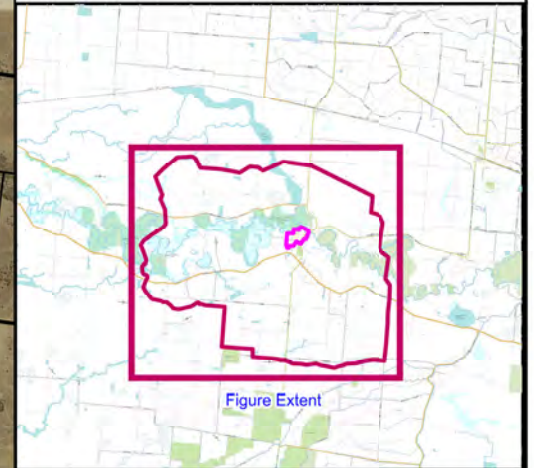
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LEGEND

-  Study Area
-  Local Catchment Model Extent
-  Watercourse



Notes:

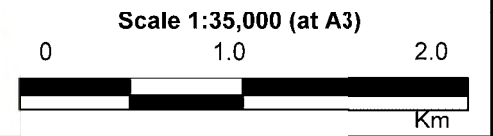
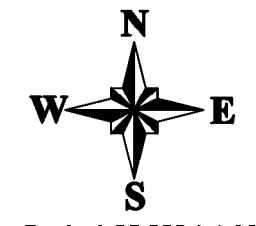
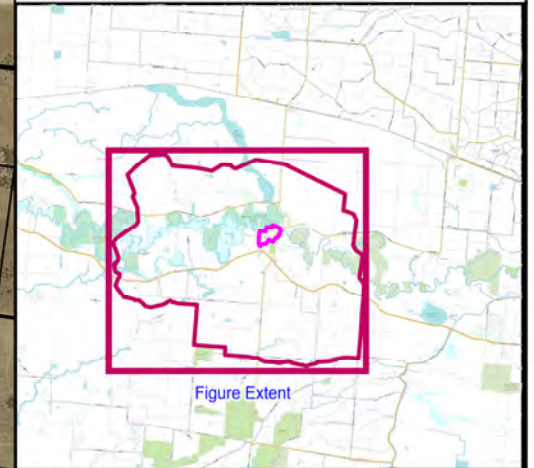


Figure 1:
Darlington Point
Study Area











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File Name: Darlington Point Study Area.wor

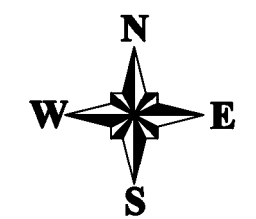


LEGEND

Ground Surface Elevation (mAHD)

-  < 114
-  116
-  118
-  120
-  122
-  124
-  126
-  128
-  130
-  > 132

Notes:



Scale 1:35,000 (at A3)

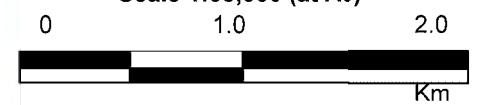


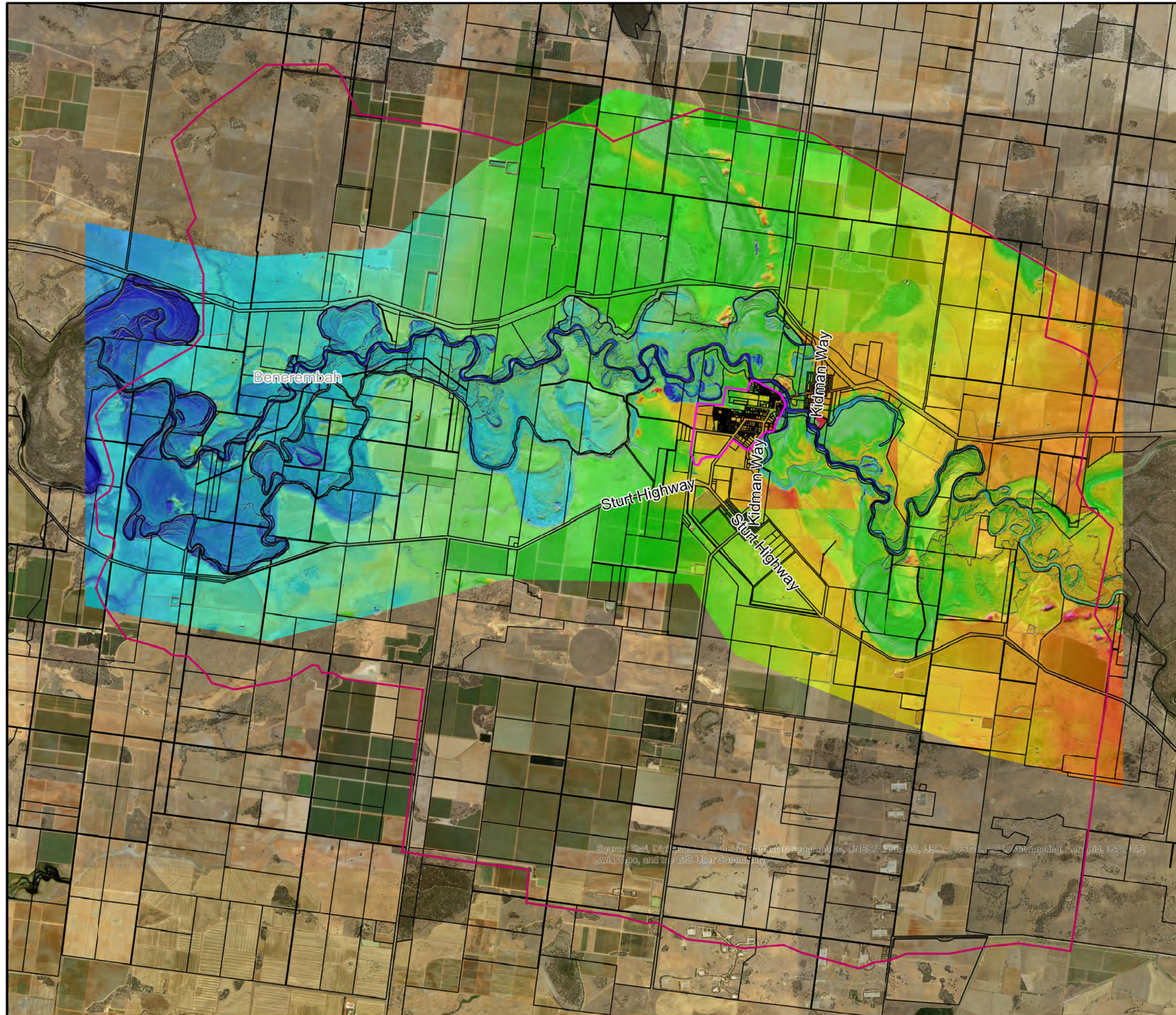
Figure 2:
Digital Elevation Model

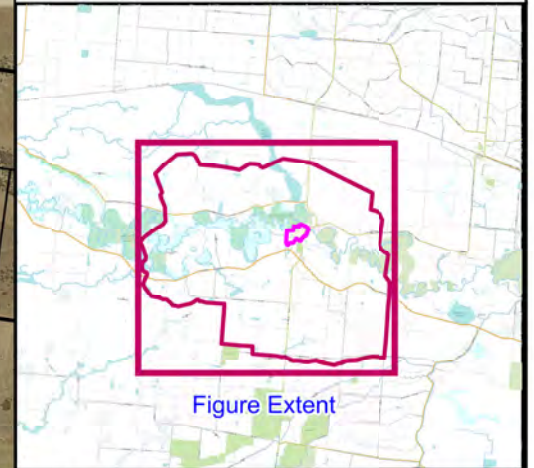
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



File Name: DEM.wor

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, JPL, swisstopo, and the GIS User Community

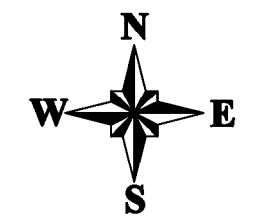




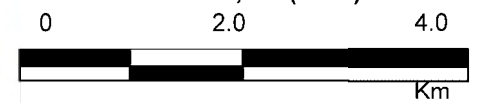
LEGEND

-  Study Area
-  Local Catchment Model Extent
-  Floor Level Information Obtained as Part of This Study
-  5m 2009 LiDAR Extent
-  1m 2009 LiDAR Extent
-  Survey Cross Section Location
-  Location of Final Alignment of Upgraded Levee
-  Stormwater Culvert
-  Stormwater Pit

Notes:




Scale 1:70,000 (at A3)

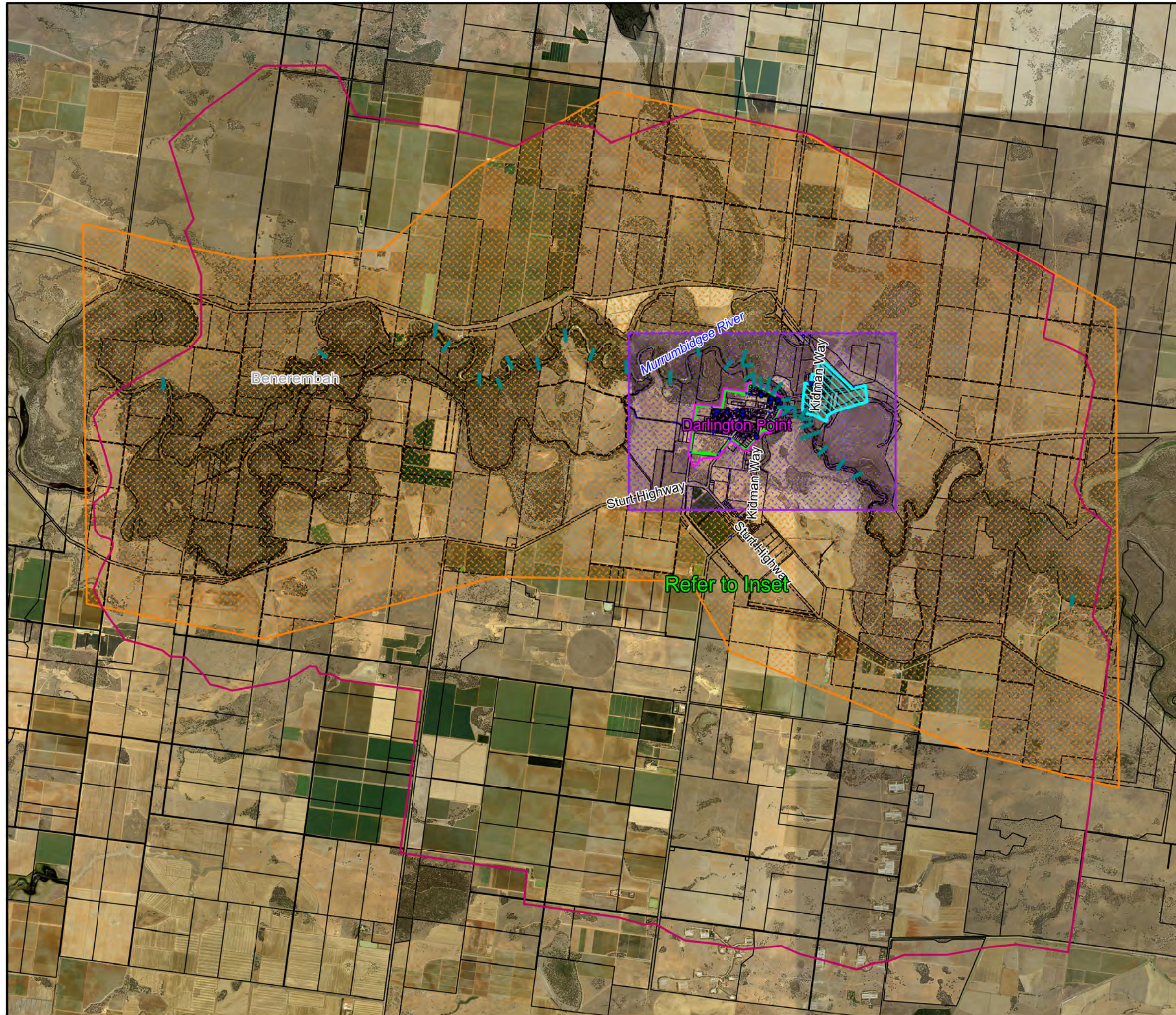


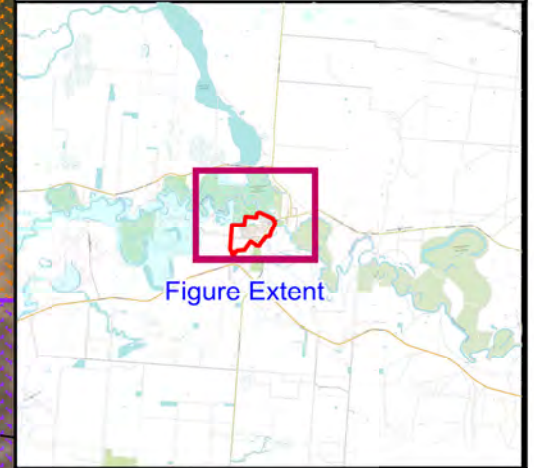
**Figure 3:
Existing Datasets**

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File Name: Existing Datasets.wor





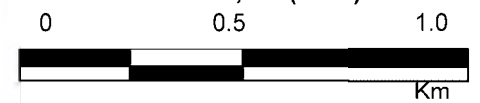
LEGEND

-  Study Area
-  Local Catchment Model Extent
-  Floor Level Information Obtained as Part of This Study
-  5m 2009 LiDAR Extent
-  1m 2009 LiDAR Extent
-  Survey Cross Section Location
-  Location of Final Alignment of Upgraded Levee
-  Stormwater Culvert
-  Stormwater Pit

Notes:




Scale 1:15,000 (at A3)



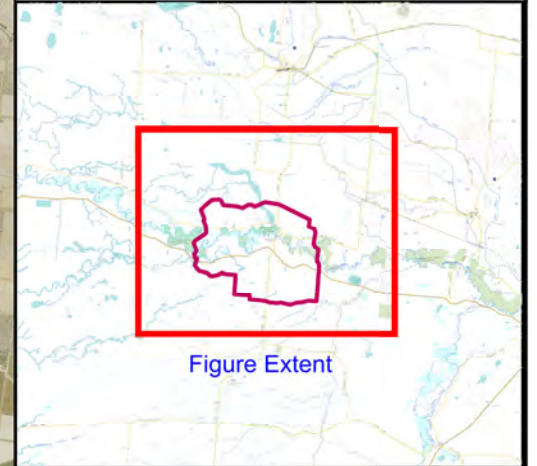
**Figure 3.1:
Existing Datasets**

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File Name: Existing Datasets.wor





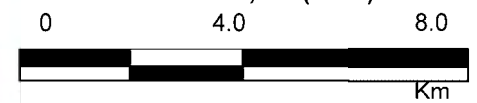
LEGEND

-  Study Area
-  BOM Rainfall Gauge
-  Stream Gauge

Notes:




Scale 1:140,000 (at A3)

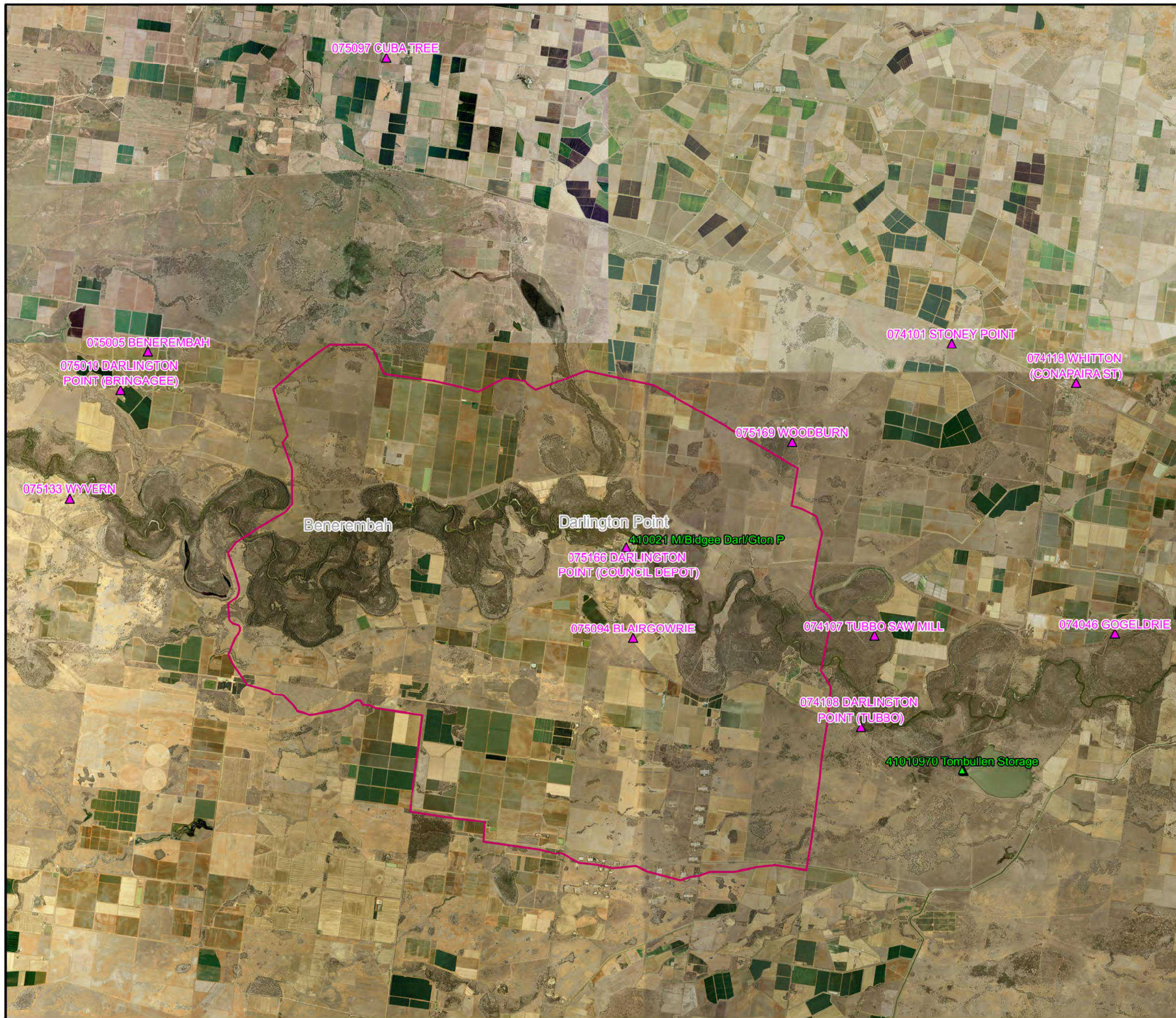


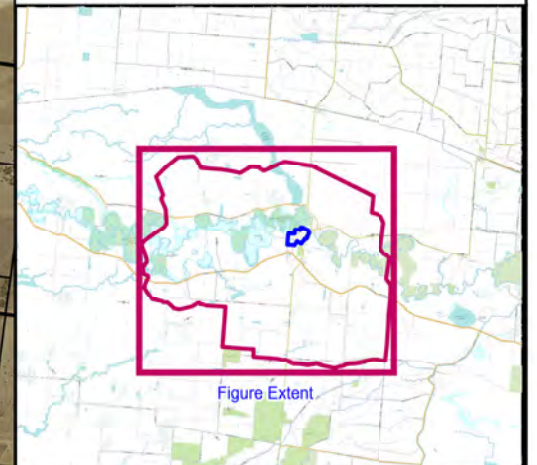
**Figure 4:
Location of Gauges**

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File Name: Location of Gauges.wor

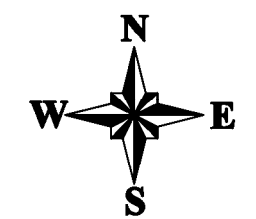




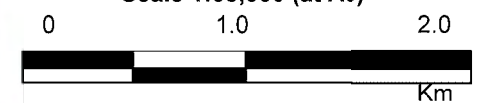
LEGEND

	Study Area		Environmental E1
	Location of Final Alignment of Upgraded Levee		E3
	Residential R5		Waterways W1
	Rural RU1		W2
	RU5		Special Activities SP2
	Recreation RE1		

Notes:




Scale 1:35,000 (at A3)

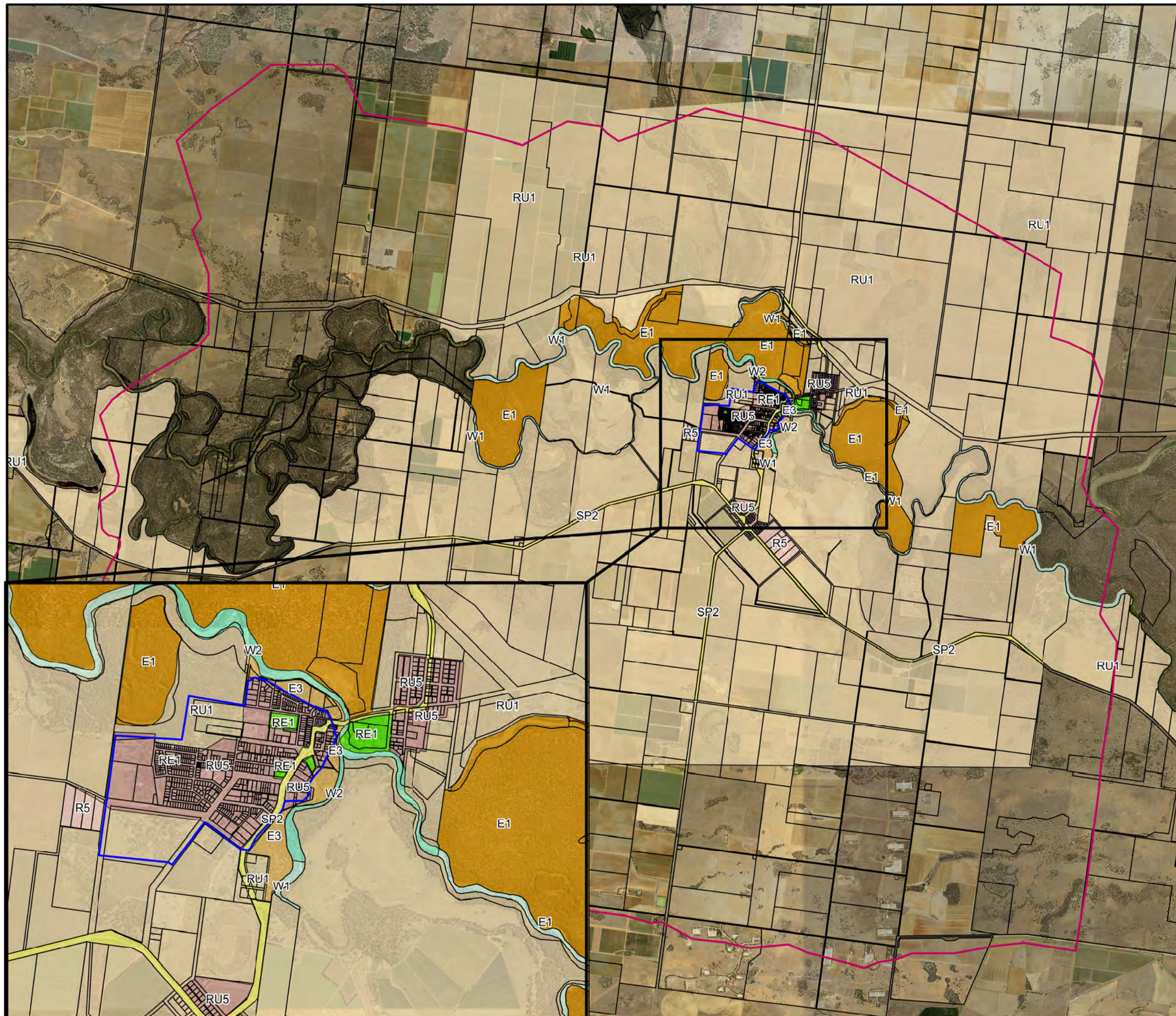


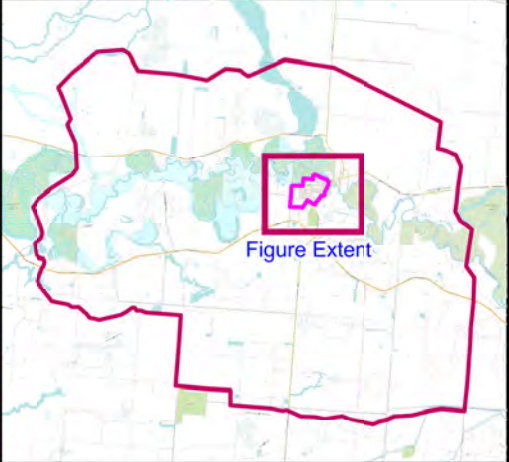
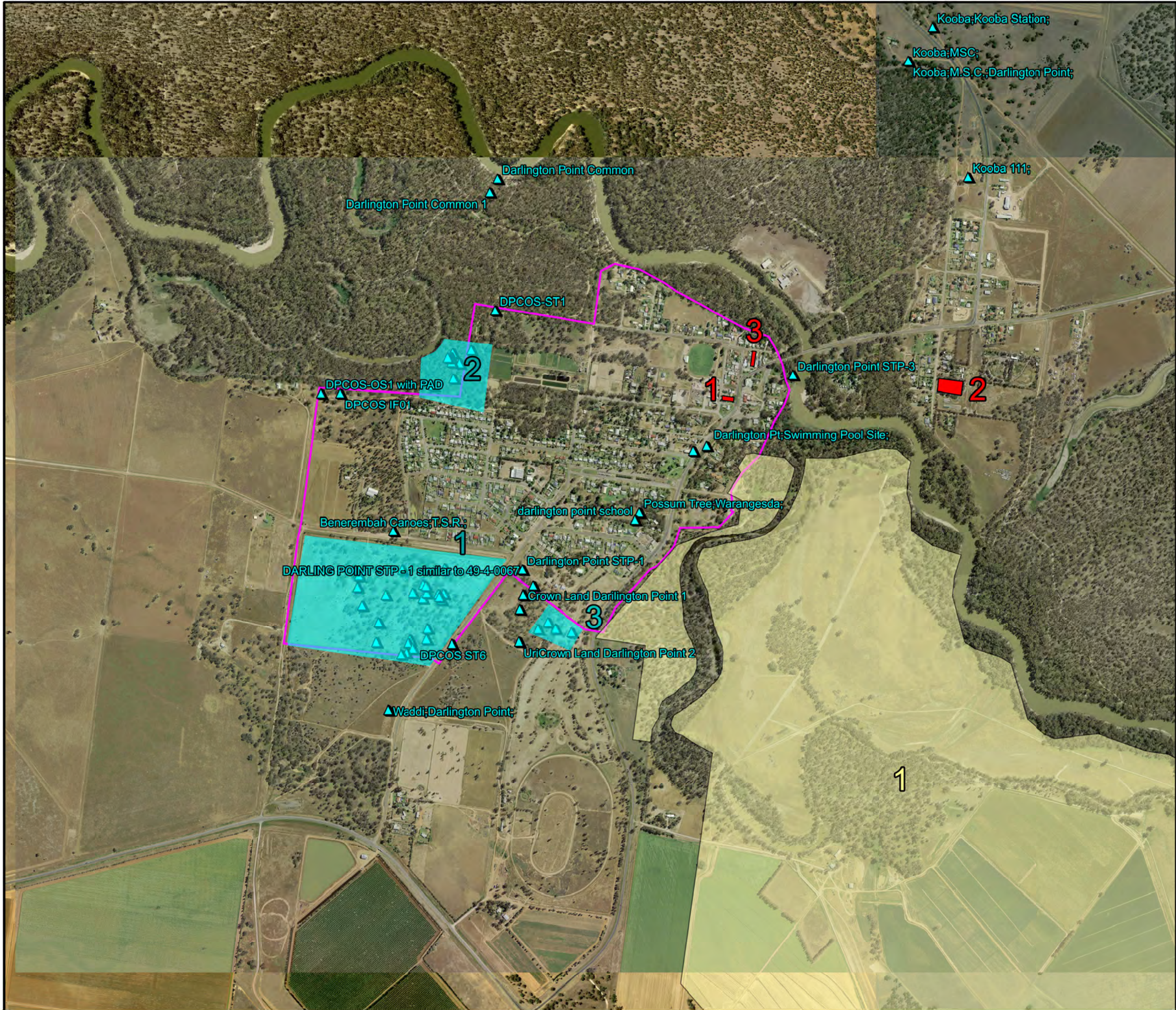
**Figure 5:
Land Zoning**

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File Name: Land Zoning.wor

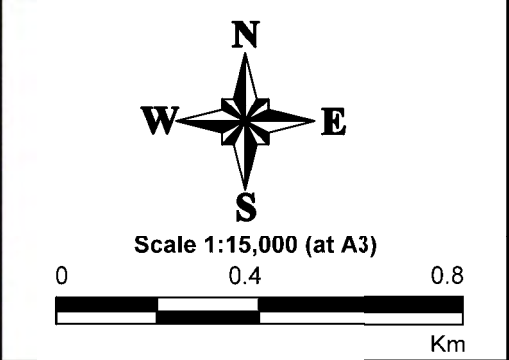




LEGEND

- Study Area
- Location of Final Alignment of Upgraded Levee
- Heritage Sites
 - ▲ Aboriginal Heritage Site
 - General Heritage Site
 - Archaeological Heritage Site

Notes:

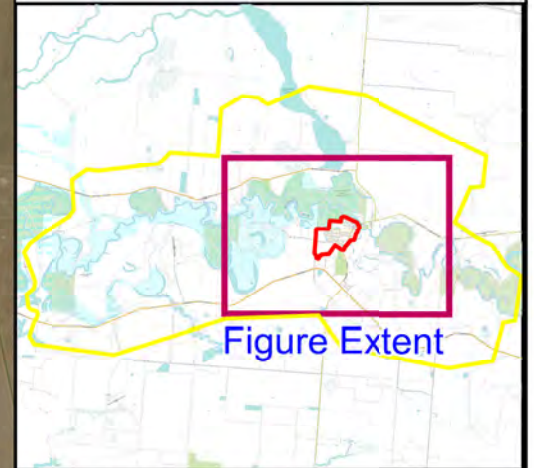


**Figure 6:
Aboriginal Cultural and
Heritage Constraints**



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File Name: Aboriginal Cultural and Heritage Constraintsor



LEGEND

-  Study Area
-  Catchment Boundary
-  Wetlands
-  Riparian Lands and Watercourses
-  Biodiversity

Notes:



Scale 1:15,000 (at A3)

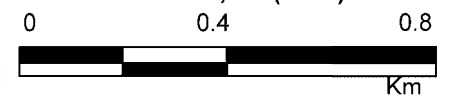
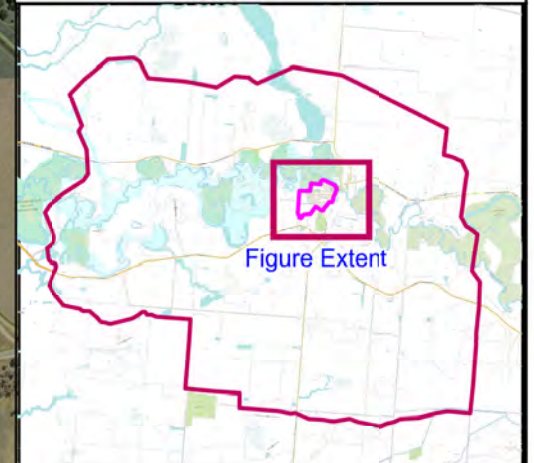


Figure 7:
Environmental Constraints

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File Name: Environmental Constraints.wor

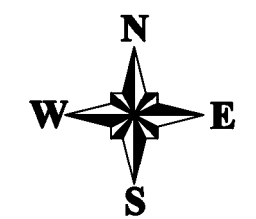


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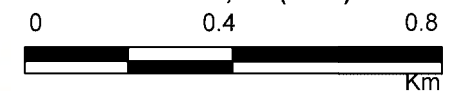
-  Study Area
-  Location of Final Alignment of Upgraded Levee
-  Critical Facility
- Vulnerable Facility**
-  Council
-  Church
-  Caravan Park
-  School
-  Petrol Station
-  Waste Water Treatment Facility

Notes:

List of facilities is not exhaustive and there may be additional locations that are not identified on this plan.



Scale 1:15,000 (at A3)



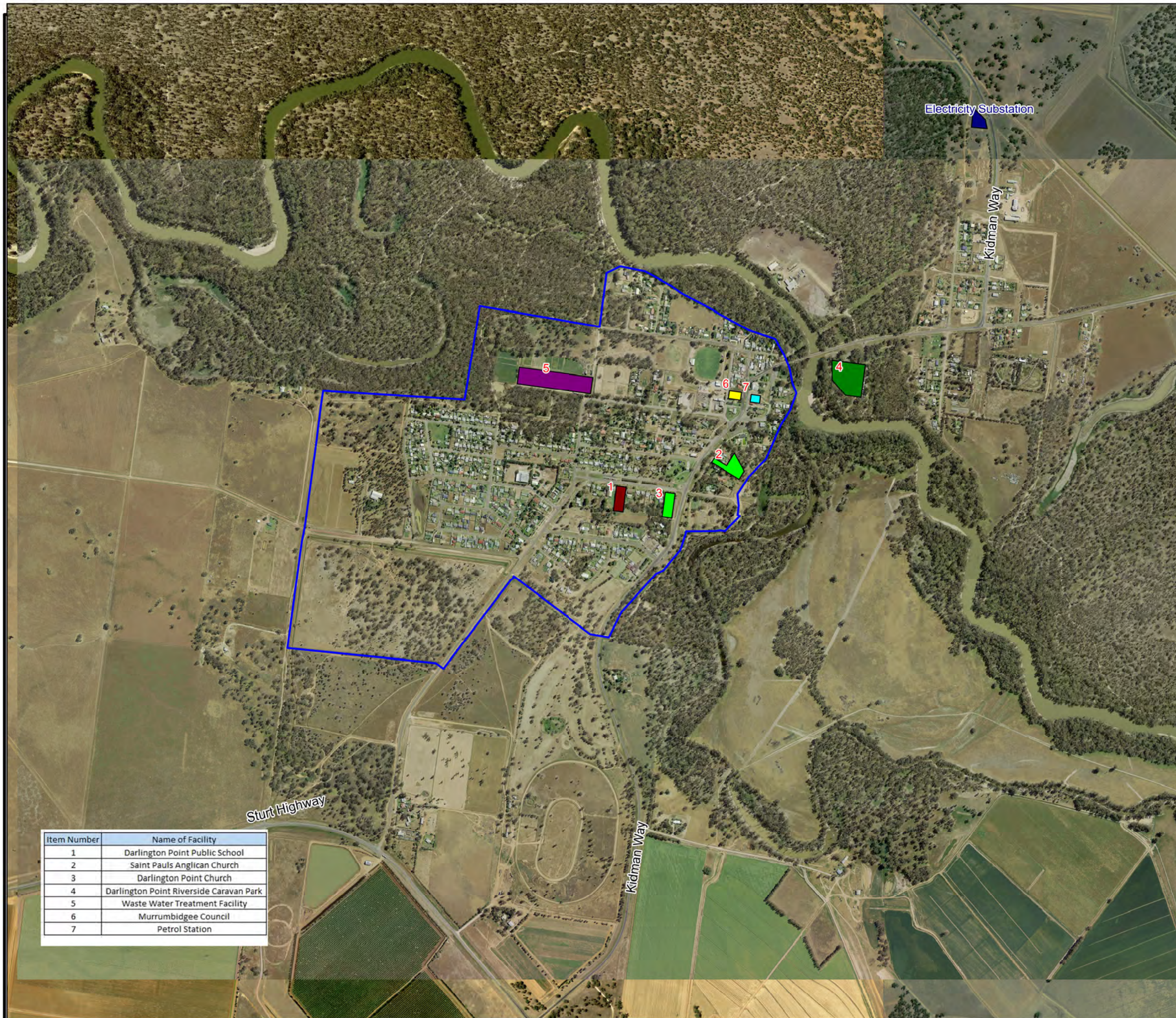
**Figure 8:
Vulnerable and Critical
Facilities**

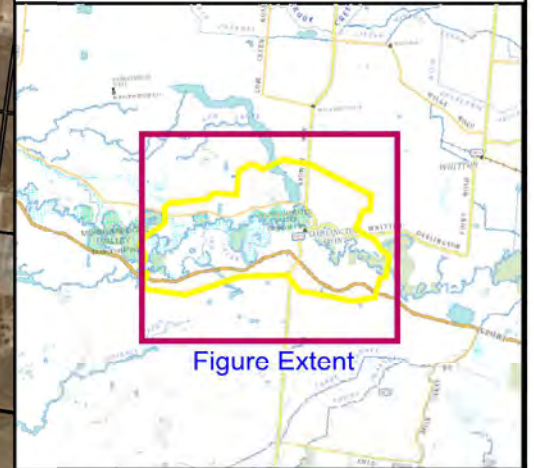
Prepared By:

 **Catchment Simulation Solutions**
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Sydney, NSW 2000



File Name: Vulnerable and Critical Facilities.wor

Item Number	Name of Facility
1	Darlington Point Public School
2	Saint Pauls Anglican Church
3	Darlington Point Church
4	Darlington Point Riverside Caravan Park
5	Waste Water Treatment Facility
6	Murrumbidgee Council
7	Petrol Station



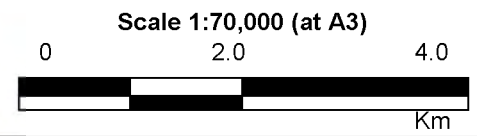
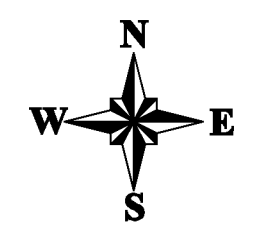


LEGEND


-  Model Extent
-  Location of Model Extension

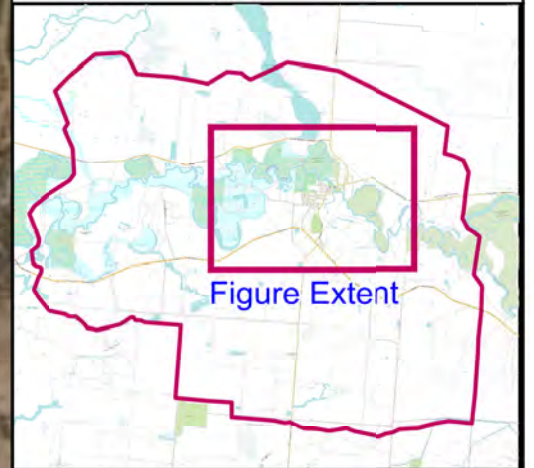


Notes:









**Figure 9:
Model Extension
Areas**

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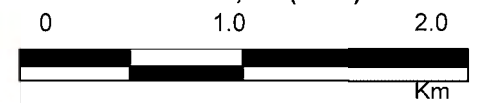
LEGEND

-  Study Area
-  Survey Cross Section Location
-  Location of Final Alignment of Upgraded Levee
-  Stormwater Culvert
-  Stormwater Pit
-  Additional Structures Added into updated model

Notes:

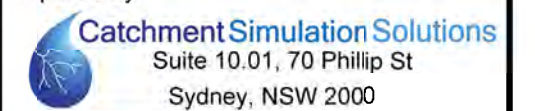


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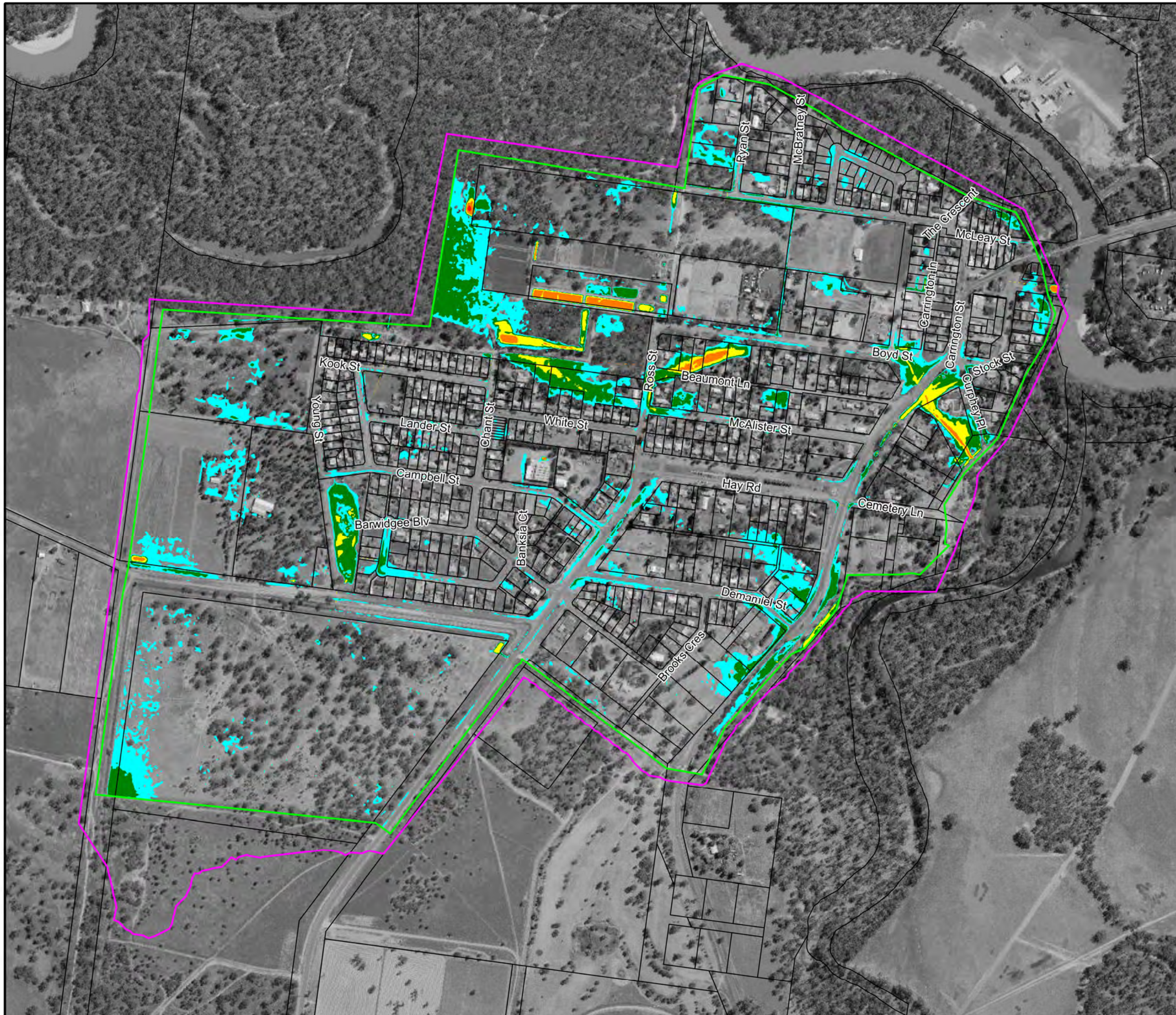
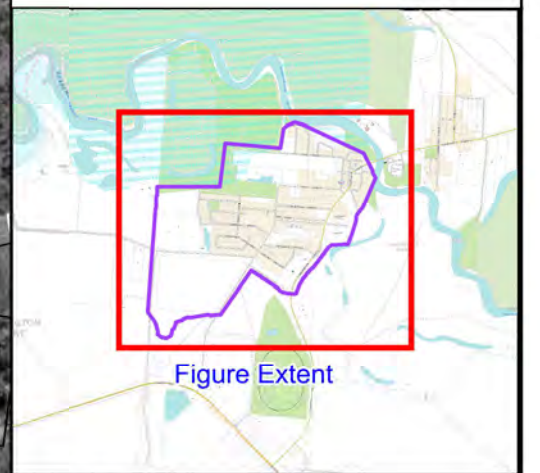
**Figure 10:
Stormwater Pipe Network
of Local Darlington
Point Study Area**

Prepared By:



File Name: Stormwater Pipe Network of Local Darlington Point Study Area.wor





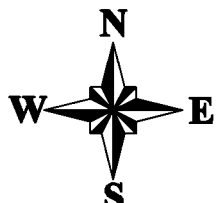
LEGEND

- Local Catchment Model Extent
- Location of Final Alignment of Upgraded Levee

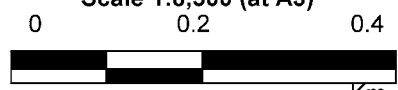
Depths (m)

- 0.10 to 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- >2.0

Notes:
 Only depths greater than 0.10 metres are included in mapping. Inundation patterns and/or peak flood levels shown for design events are based on best available estimates of flood behaviour. Actual inundation patterns may vary slightly during a flood event.




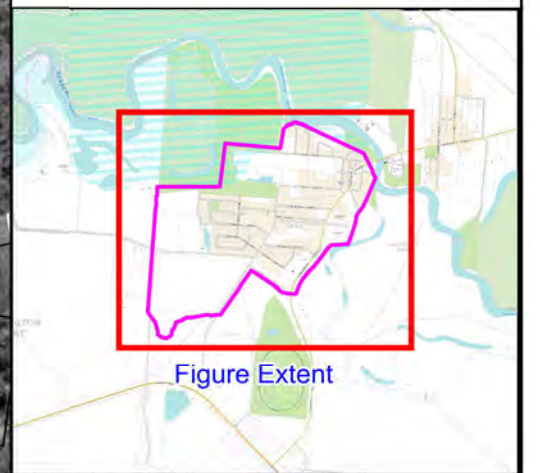
Scale 1:8,500 (at A3)



Km

Figure 11:
Local Catchment Inundation Peak Floodwater Depths for 10% AEP Design Flood

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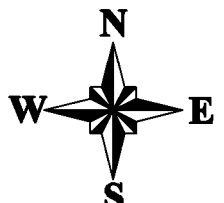
LEGEND

-  Local Catchment Model Extent
-  Location of Final Alignment of Upgraded Levee

Depths (m)

-  0.10 to 0.25
-  0.25 to 0.5
-  0.5 to 1.0
-  1.0 to 2.0
-  >2.0

Notes:
 Only depths greater than 0.10 metres are included in mapping. Inundation patterns and/or peak flood levels shown for design events are based on best available estimates of flood behaviour. Actual inundation patterns may vary slightly during a flood event.



Scale 1:8,500 (at A3)

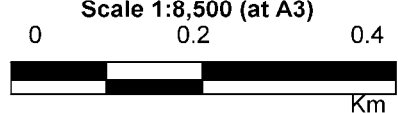

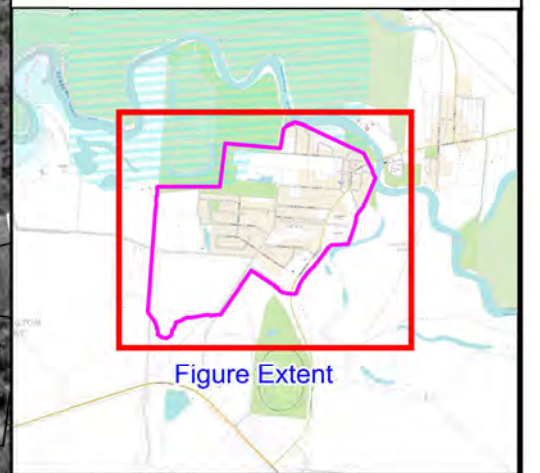


Figure 12:
Local Catchment Inundation Peak Floodwater Depths for 5% AEP Design Flood

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 Sydney, NSW 2000



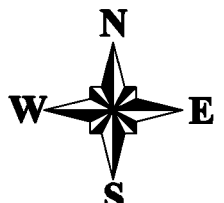
LEGEND

- Local Catchment Model Extent
- Location of Final Alignment of Upgraded Levee

Depths (m)

- 0.10 to 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- >2.0

Notes:
 Only depths greater than 0.10 metres are included in mapping. Inundation patterns and/or peak flood levels shown for design events are based on best available estimates of flood behaviour. Actual inundation patterns may vary slightly during a flood event.



Scale 1:8,500 (at A3)

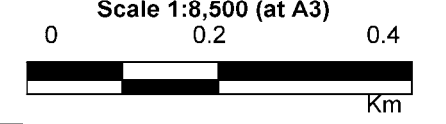



Figure 13:
Local Catchment Inundation Peak Floodwater Depths for 2% AEP Design Flood

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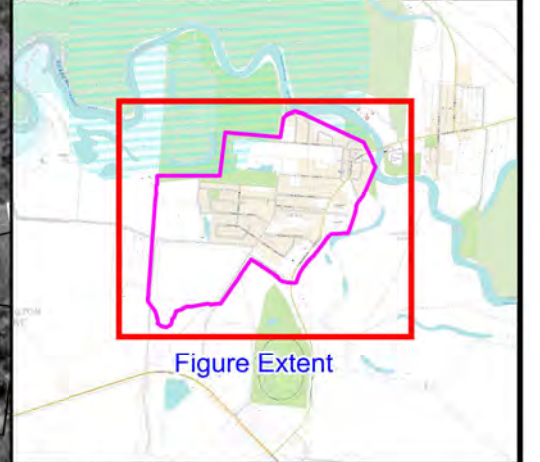









Figure Extent

LEGEND

-  Local Catchment Model Extent
 -  Location of Final Alignment of Upgraded Levee
- Depths (m)
-  0.10 to 0.25
 -  0.25 to 0.5
 -  0.5 to 1.0
 -  1.0 to 2.0
 -  >2.0

Notes:
 Only depths greater than 0.10 metres are included in mapping. Inundation patterns and/or peak flood levels shown for design events are based on best available estimates of flood behaviour. Actual inundation patterns may vary slightly during a flood event.

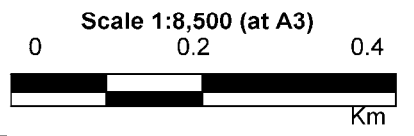
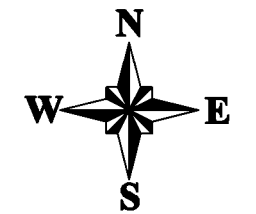

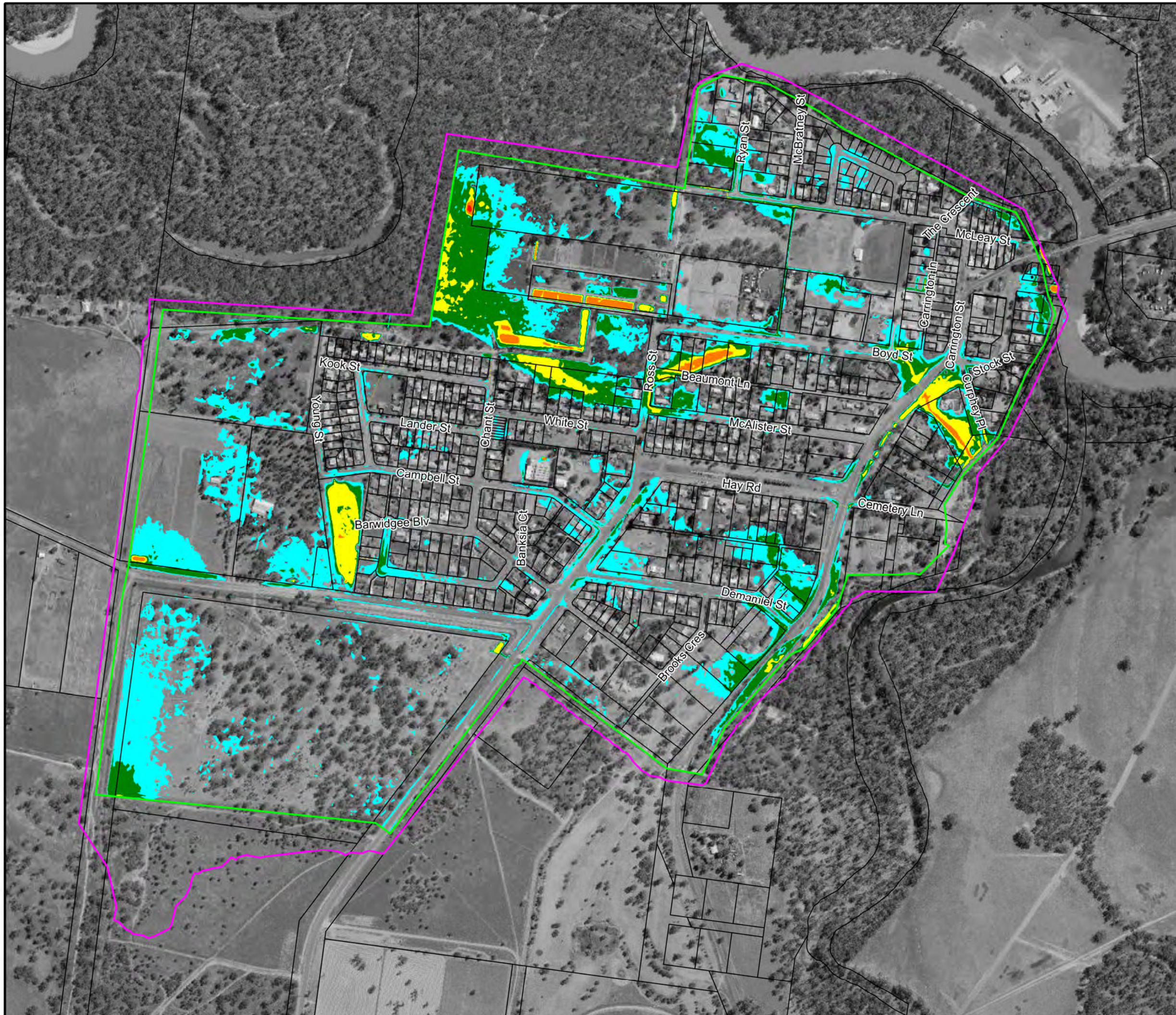
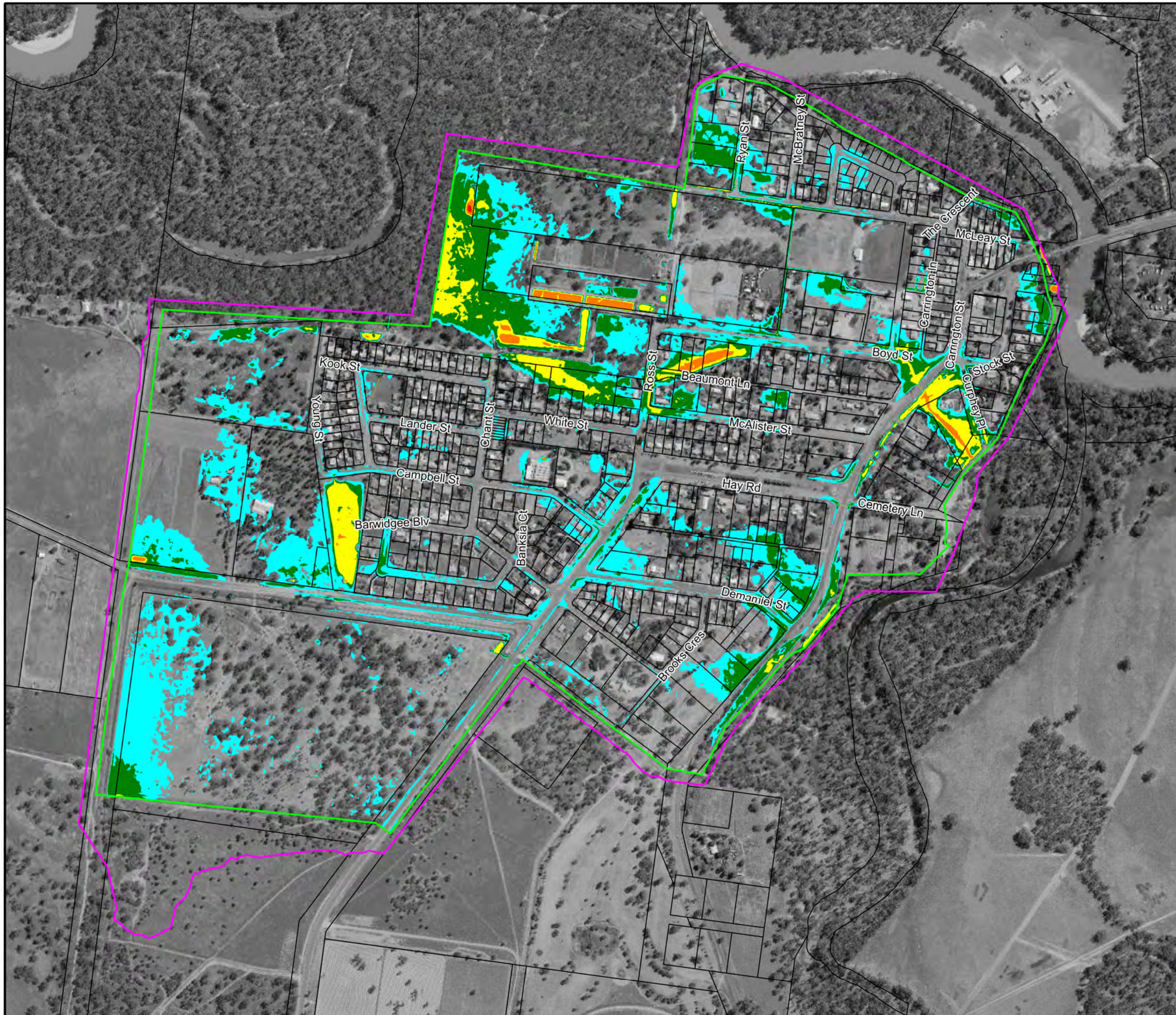
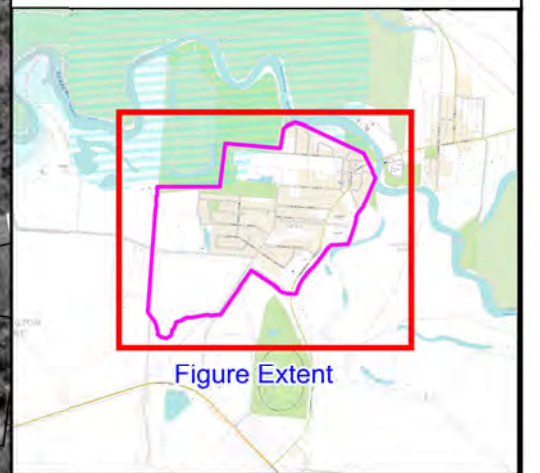









Figure 14:
Local Catchment Inundation
Peak Floodwater Depths
for 1% AEP Design Flood

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 Sydney, NSW 2000





LEGEND

-  Local Catchment Model Extent
 -  Location of Final Alignment of Upgraded Levee
- Depths (m)
-  0.10 to 0.25
 -  0.25 to 0.5
 -  0.5 to 1.0
 -  1.0 to 2.0
 -  >2.0

Notes:
 Only depths greater than 0.10 metres are included in mapping. Inundation patterns and/or peak flood levels shown for design events are based on best available estimates of flood behaviour. Actual inundation patterns may vary slightly during a flood event.

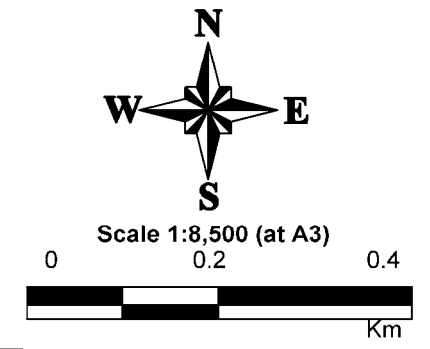


Figure 15:
Local Catchment Inundation Peak Floodwater Depths for 0.5% AEP Design Flood

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 Sydney, NSW 2000

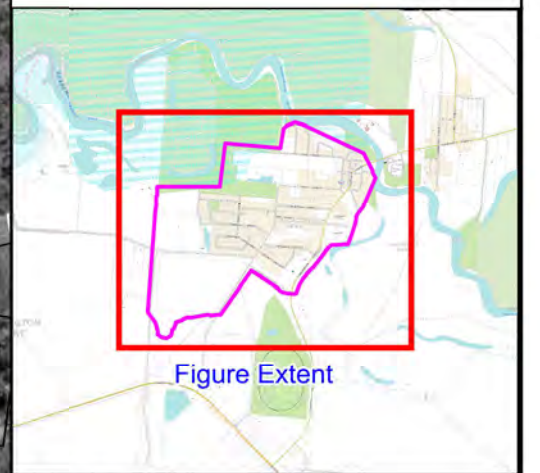









Figure Extent

LEGEND

-  Local Catchment Model Extent
 -  Location of Final Alignment of Upgraded Levee
- Depths (m)
-  0.10 to 0.25
 -  0.25 to 0.5
 -  0.5 to 1.0
 -  1.0 to 2.0
 -  >2.0

Notes:
 Only depths greater than 0.10 metres are included in mapping. Inundation patterns and/or peak flood levels shown for design events are based on best available estimates of flood behaviour. Actual inundation patterns may vary slightly during a flood event.

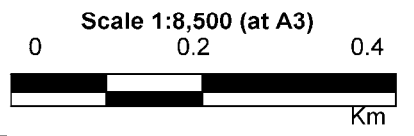
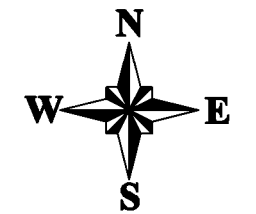

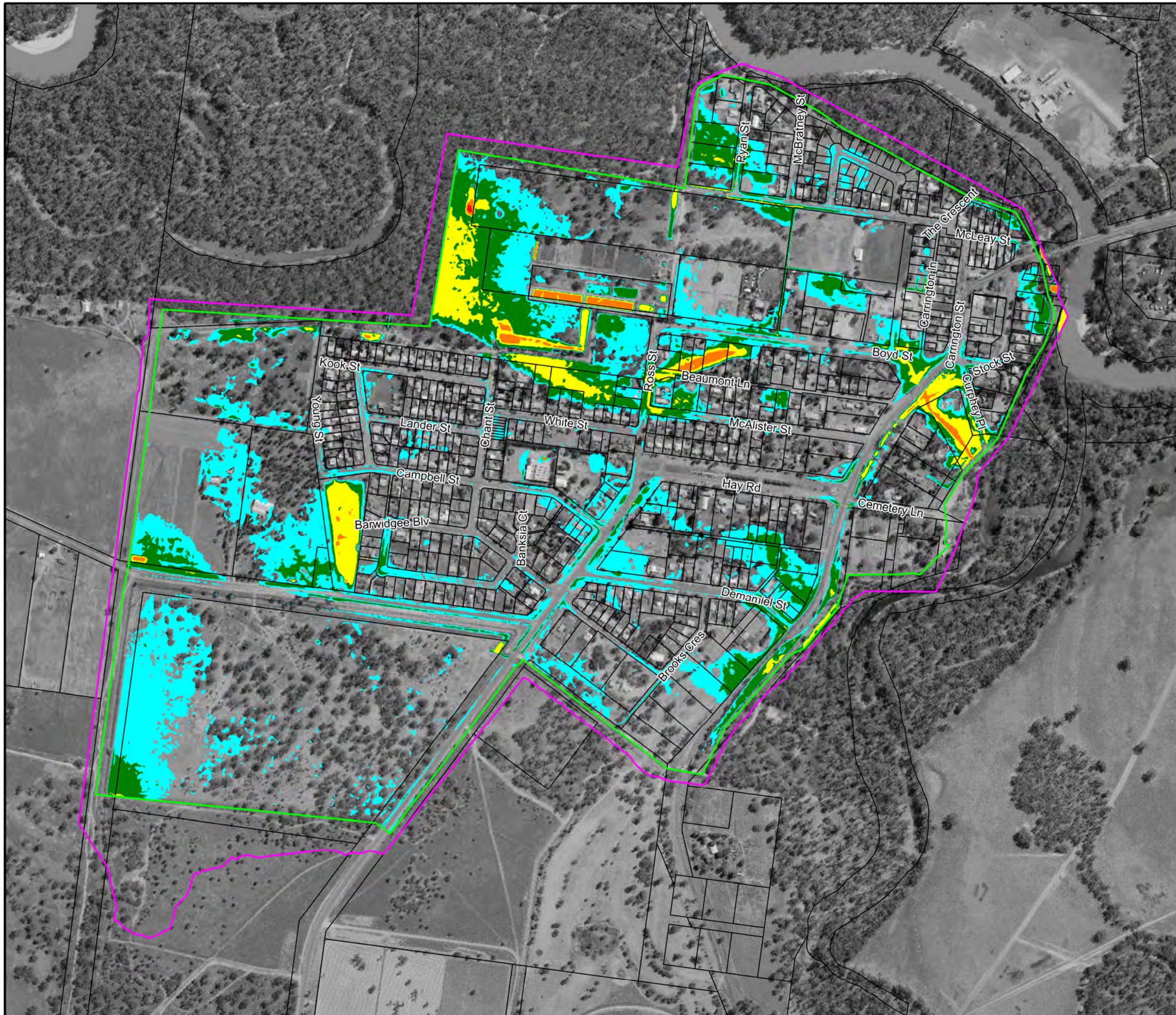


Figure 16:
Local Catchment Inundation
Peak Floodwater Depths
for 0.2% AEP Design Flood

Prepared By:
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 Suite 10.01, 70 Phillip St
 Sydney, NSW 2000



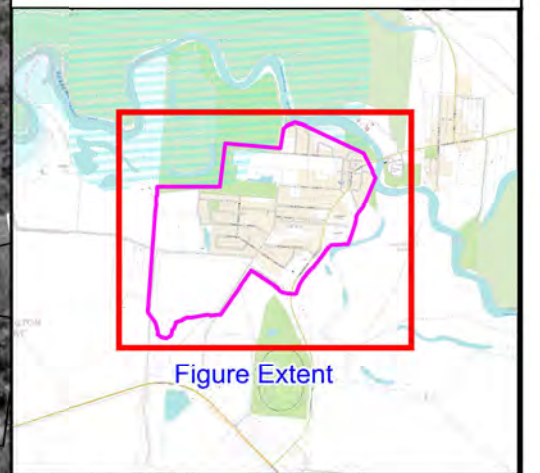









Figure Extent

LEGEND

-  Local Catchment Model Extent
 -  Location of Final Alignment of Upgraded Levee
- Depths (m)
-  0.10 to 0.25
 -  0.25 to 0.5
 -  0.5 to 1.0
 -  1.0 to 2.0
 -  >2.0

Notes:
 Only depths greater than 0.10 metres are included in mapping. Inundation patterns and/or peak flood levels shown for design events are based on best available estimates of flood behaviour. Actual inundation patterns may vary slightly during a flood event.

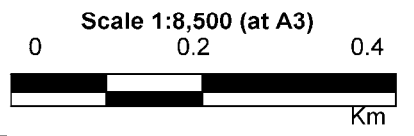
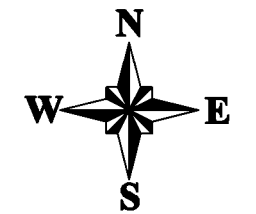


Figure 17:
Local Catchment Inundation Peak Floodwater Depths for Extreme Design Flood

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 Sydney, NSW 2000



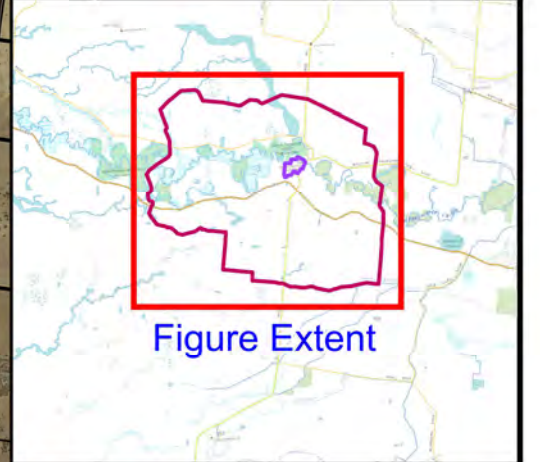










Figure Extent

LEGEND

-  Model Extent
 -  Local Catchment Model Extent
 -  Location of Final Alignment of Upgraded Levee
- Depths (m)
-  0 to 0.25
 -  0.25 to 0.5
 -  0.5 to 1.0
 -  1.0 to 2.0
 -  >2.0

Notes:
 Inundation patterns and/or peak flood levels shown for design events are based on best available estimates of flood behaviour. Actual inundation patterns may vary slightly during a flood event.

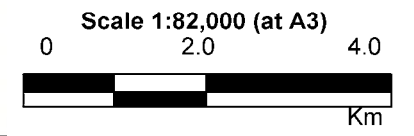
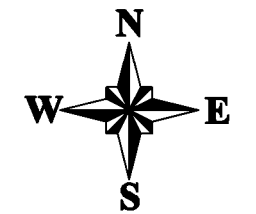

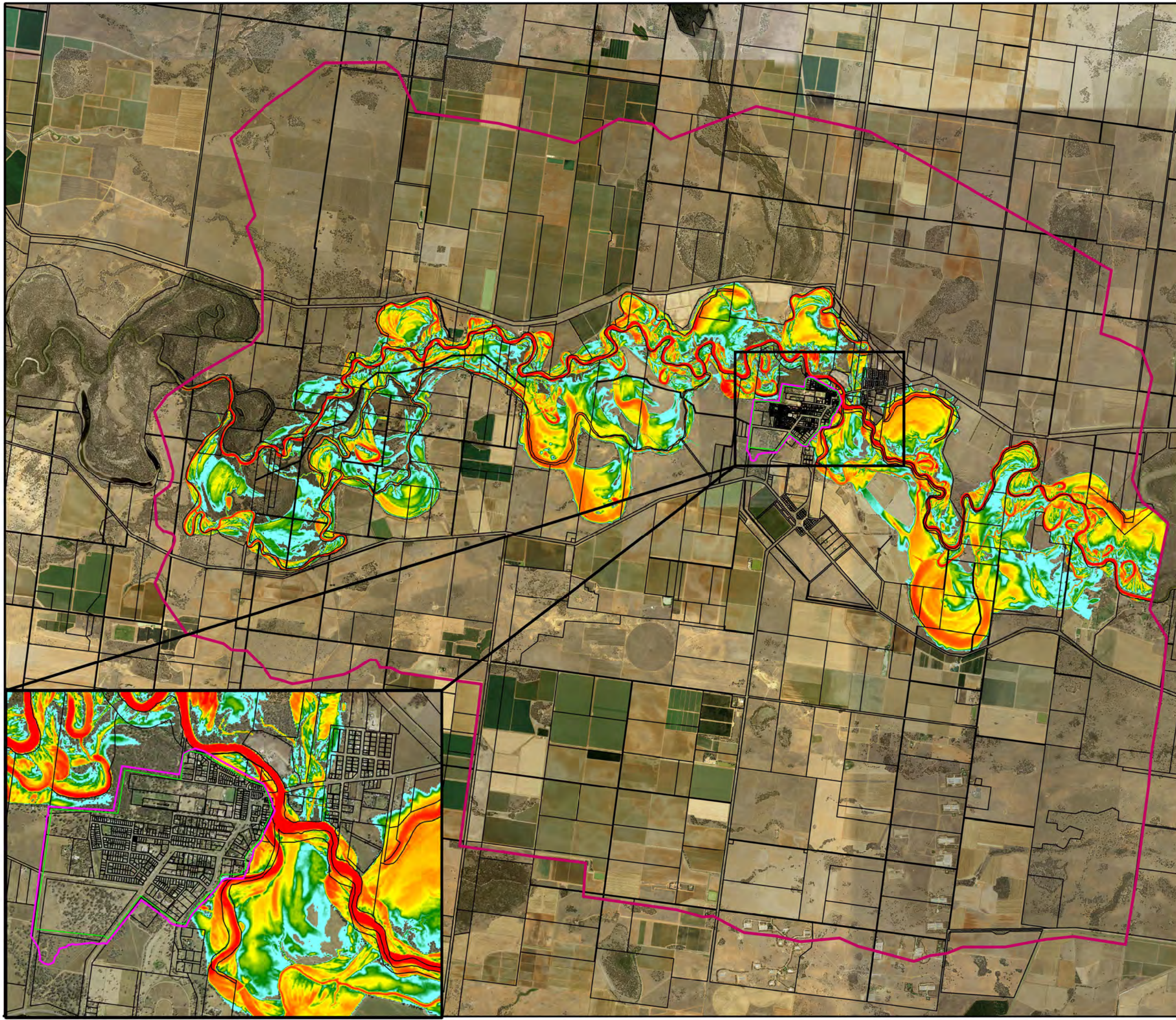


Figure 18
Murrumbidgee River main stream Peak Floodwater
Depths for 20% AEP
Design flood

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 Sydney, NSW 2000



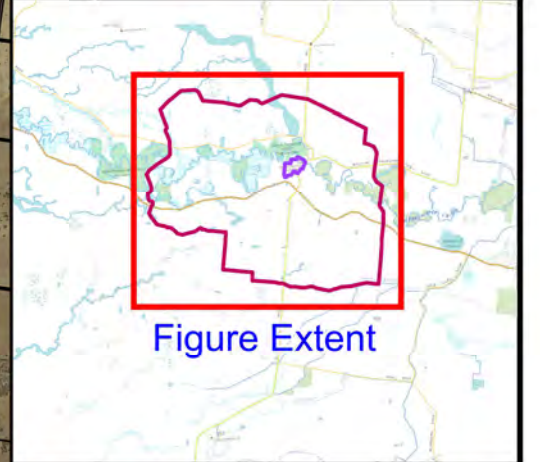








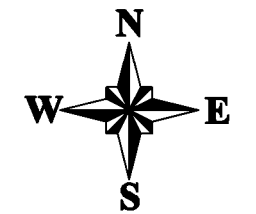


Figure Extent

LEGEND


-  Model Extent
 -  Local Catchment Model Extent
 -  Location of Final Alignment of Upgraded Levee
- Depths (m)
-  0 to 0.25
 -  0.25 to 0.5
 -  0.5 to 1.0
 -  1.0 to 2.0
 -  >2.0

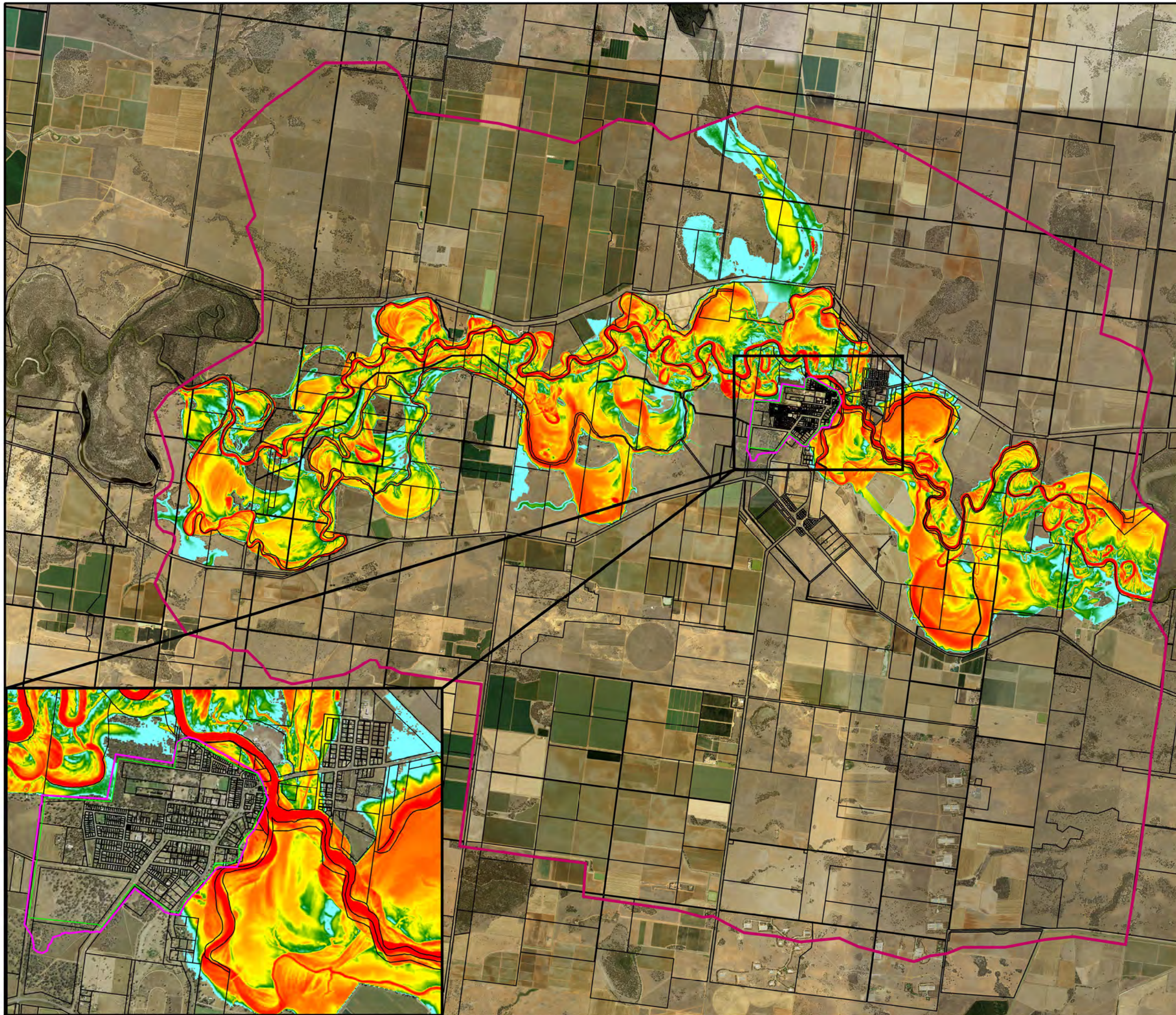
Notes:
 Inundation patterns and/or peak flood levels shown for design events are based on best available estimates of flood behaviour. Actual inundation patterns may vary slightly during a flood event.



Scale 1:82,000 (at A3)
 0 2.0 4.0
 Km

Figure 19
Murrumbidgee River main stream Peak Floodwater
Depths for 10% AEP
Design flood

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 Sydney, NSW 2000



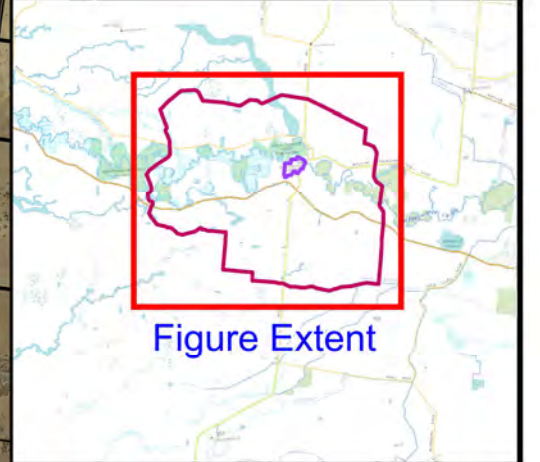










Figure Extent

LEGEND

-  Model Extent
 -  Local Catchment Model Extent
 -  Location of Final Alignment of Upgraded Levee
- Depths (m)
-  0 to 0.25
 -  0.25 to 0.5
 -  0.5 to 1.0
 -  1.0 to 2.0
 -  >2.0

Notes:
 Inundation patterns and/or peak flood levels shown for design events are based on best available estimates of flood behaviour. Actual inundation patterns may vary slightly during a flood event.

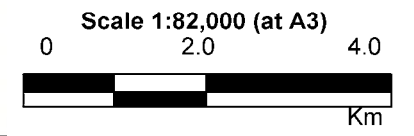
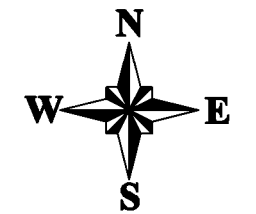

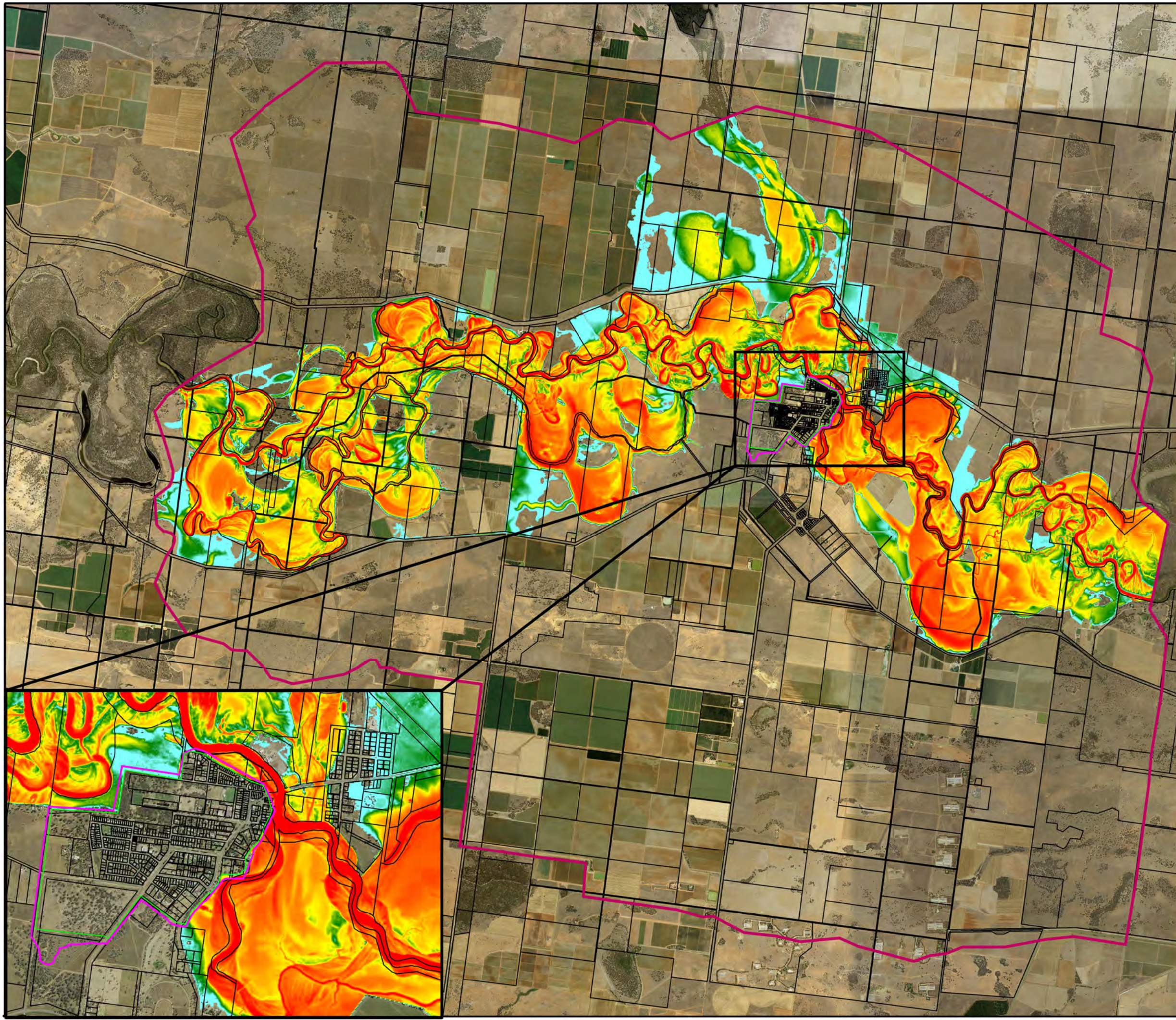


Figure 20
Murrumbidgee River main stream Peak Floodwater
Depths for 5% AEP
Design flood

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 Suite 10.01, 70 Phillip St
 Sydney, NSW 2000



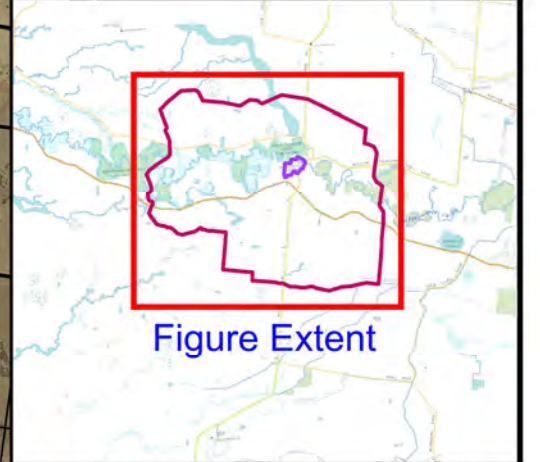








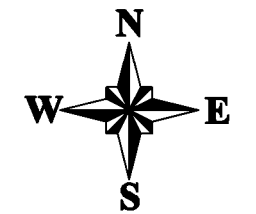


Figure Extent

LEGEND

-  Model Extent
 -  Local Catchment Model Extent
 -  Location of Final Alignment of Upgraded Levee
- Depths (m)
-  0 to 0.25
 -  0.25 to 0.5
 -  0.5 to 1.0
 -  1.0 to 2.0
 -  >2.0

Notes:
 Inundation patterns and/or peak flood levels shown for design events are based on best available estimates of flood behaviour. Actual inundation patterns may vary slightly during a flood event.



Scale 1:82,000 (at A3)

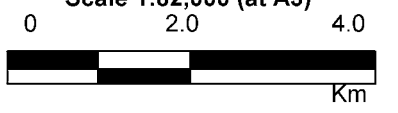

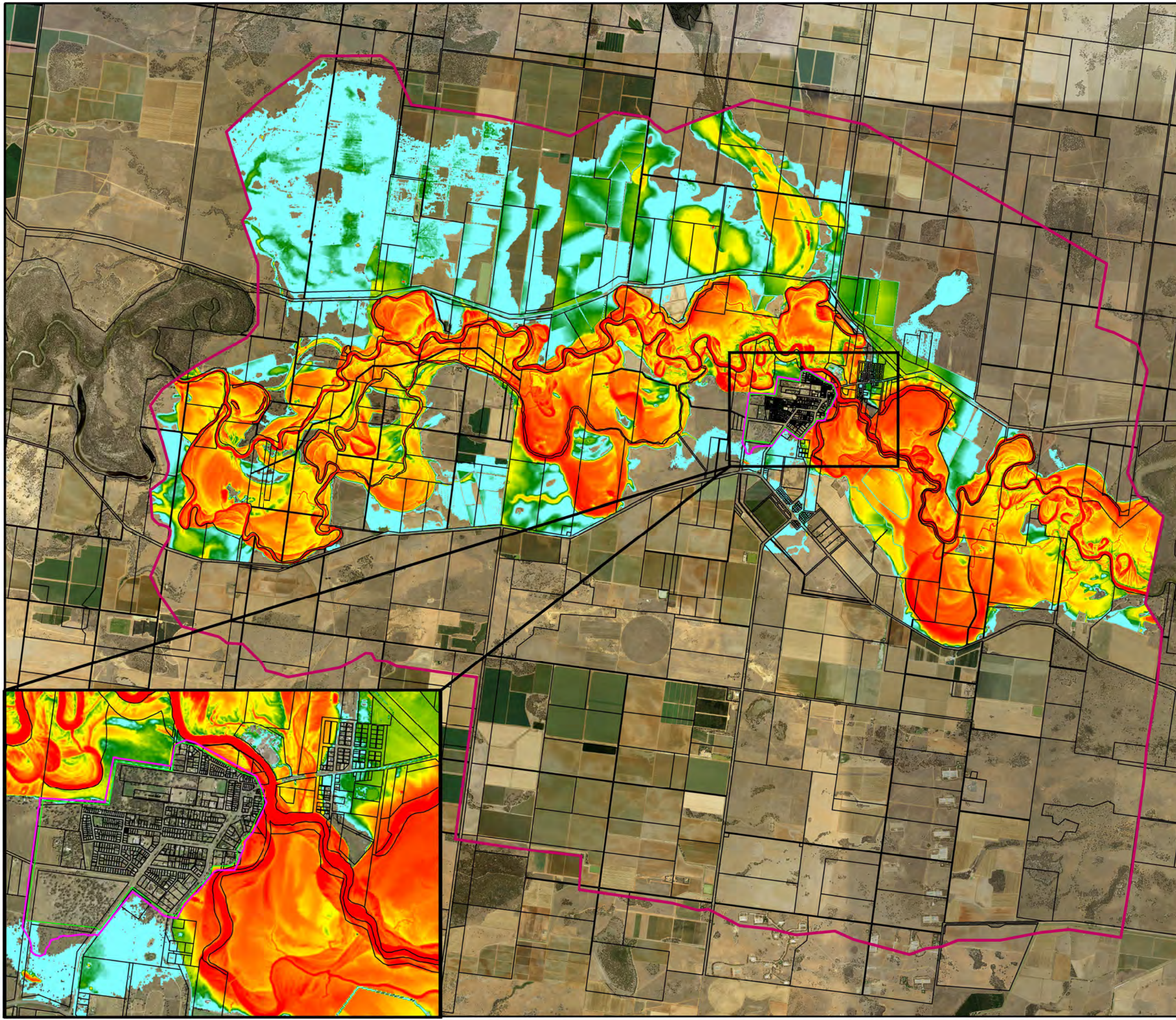


Figure 21
Murrumbidgee River main stream Peak Floodwater
Depths for 2% AEP
Design flood

Prepared By:
 **Catchment Simulation Solutions**
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 Sydney, NSW 2000



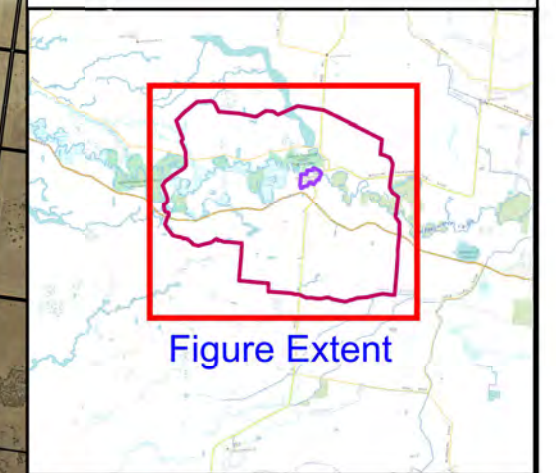










Figure Extent

LEGEND

-  Model Extent
 -  Local Catchment Model Extent
 -  Location of Final Alignment of Upgraded Levee
- Depths (m)
-  0 to 0.25
 -  0.25 to 0.5
 -  0.5 to 1.0
 -  1.0 to 2.0
 -  >2.0

Notes:
 Inundation patterns and/or peak flood levels shown for design events are based on best available estimates of flood behaviour. Actual inundation patterns may vary slightly during a flood event.

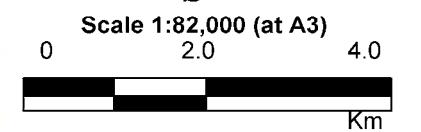

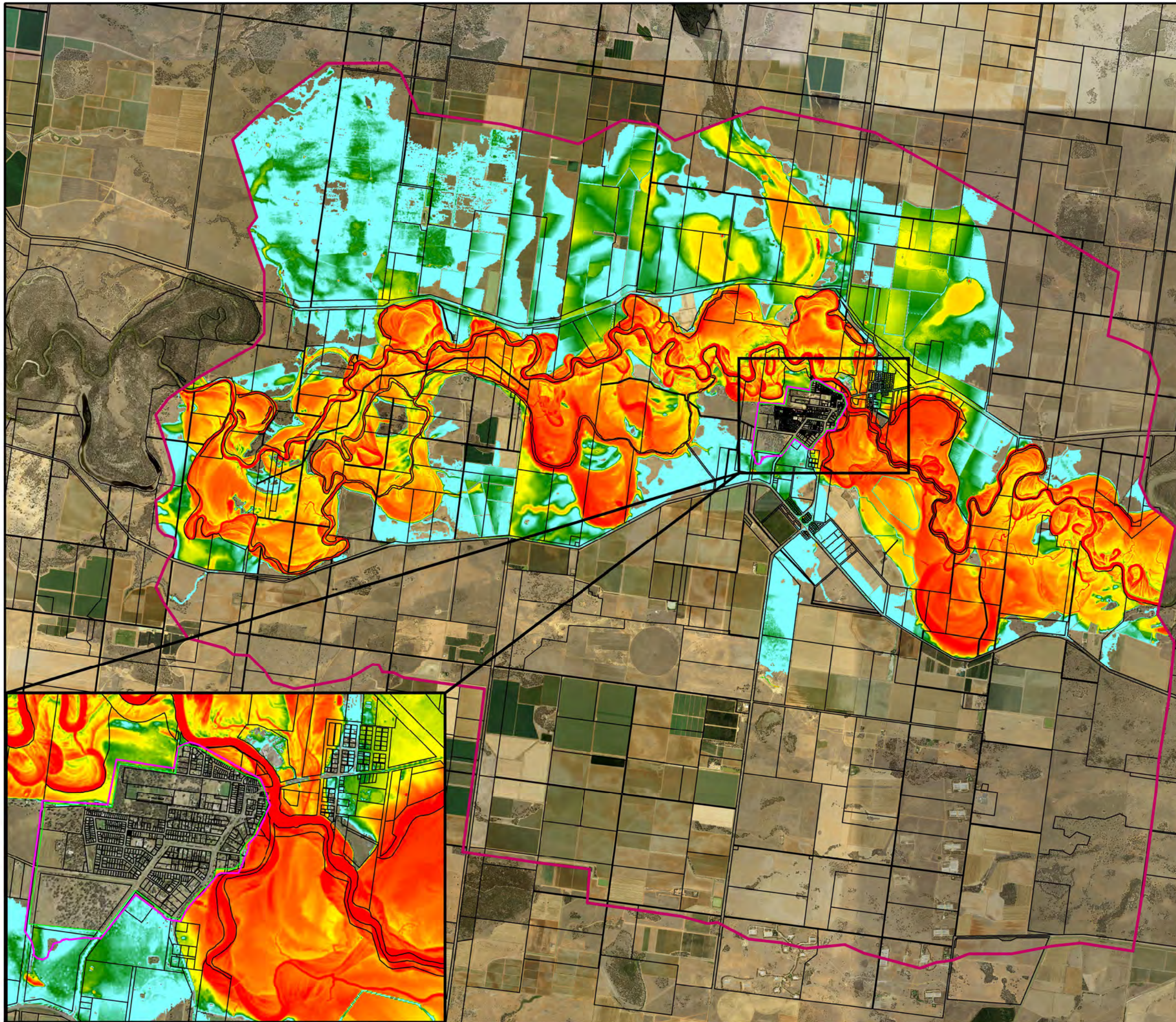


Figure 22
Murrumbidgee River main stream Peak Floodwater
Depths for 1% AEP
Design flood

Prepared By:
 **Catchment Simulation Solutions**
 Suite 10.01, 70 Phillip St
 Sydney, NSW 2000



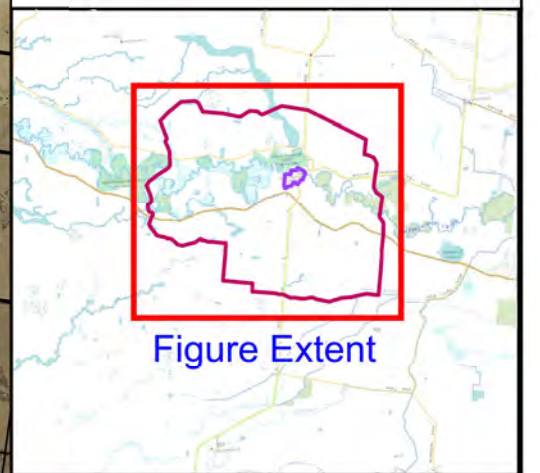










Figure Extent

LEGEND

-  Model Extent
 -  Local Catchment Model Extent
 -  Location of Final Alignment of Upgraded Levee
- Depths (m)
-  0 to 0.25
 -  0.25 to 0.5
 -  0.5 to 1.0
 -  1.0 to 2.0
 -  >2.0

Notes:
 Inundation patterns and/or peak flood levels shown for design events are based on best available estimates of flood behaviour. Actual inundation patterns may vary slightly during a flood event.

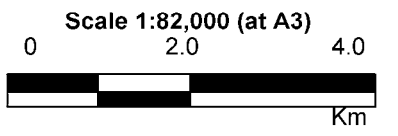
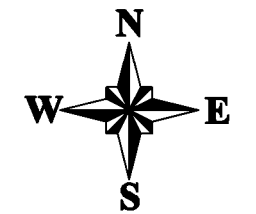

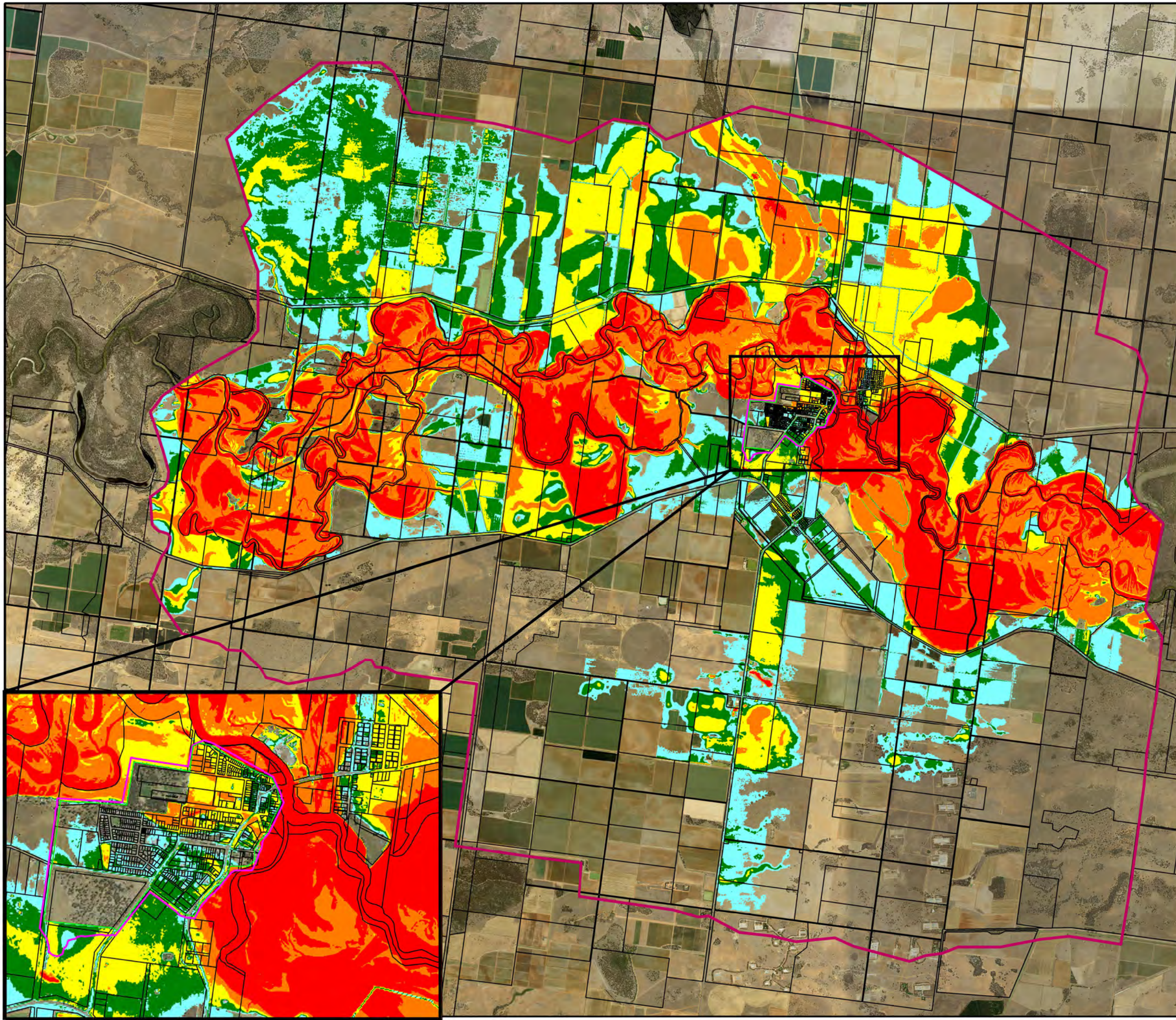


Figure 23
Murrumbidgee River main stream Peak Floodwater
Depths for 0.5% AEP
Design flood

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 **Catchment Simulation Solutions**
 Suite 10.01, 70 Phillip St
 Sydney, NSW 2000



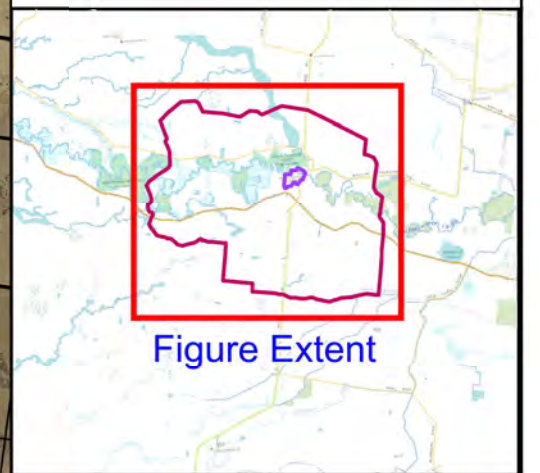








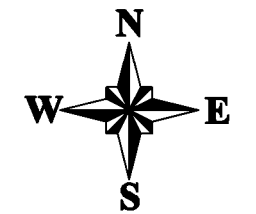


Figure Extent

LEGEND


-  Model Extent
 -  Local Catchment Model Extent
 -  Location of Final Alignment of Upgraded Levee
- Depths (m)
-  0 to 0.25
 -  0.25 to 0.5
 -  0.5 to 1.0
 -  1.0 to 2.0
 -  >2.0

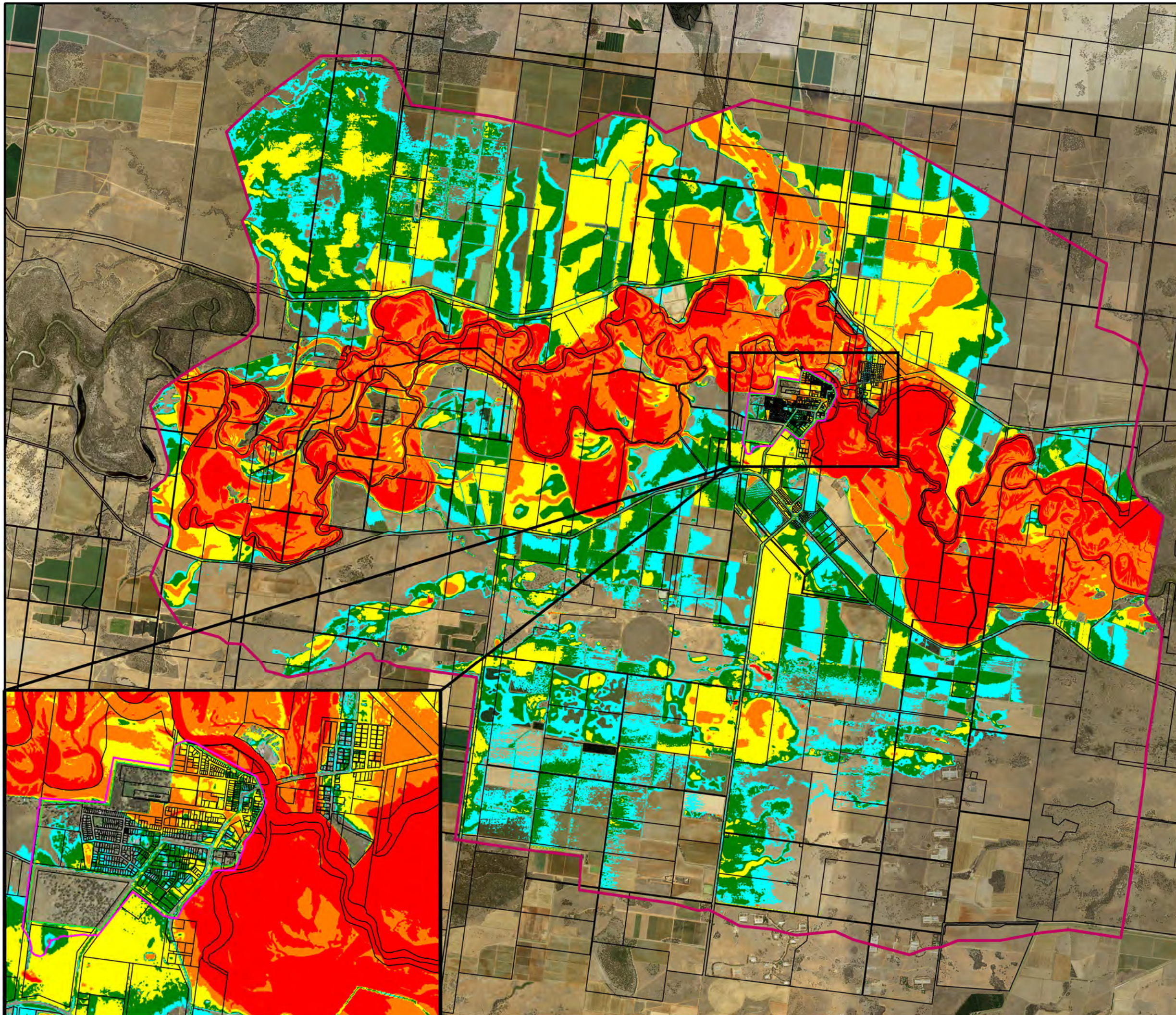
Notes:
 Inundation patterns and/or peak flood levels shown for design events are based on best available estimates of flood behaviour. Actual inundation patterns may vary slightly during a flood event.



Scale 1:82,000 (at A3)
 0 2.0 4.0
 Km

Figure 24
Murrumbidgee River main stream Peak Floodwater
Depths for 0.2% AEP
Design flood

Prepared By:
 **Catchment Simulation Solutions**
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 Sydney, NSW 2000



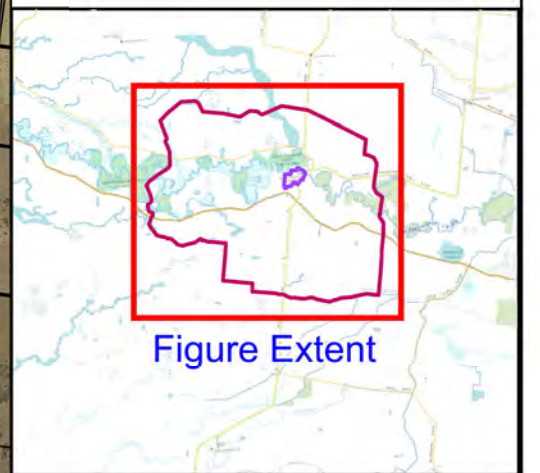








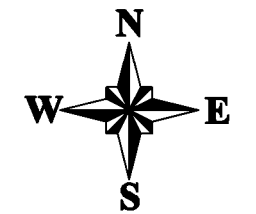


Figure Extent

LEGEND


-  Model Extent
 -  Local Catchment Model Extent
 -  Location of Final Alignment of Upgraded Levee
- Depths (m)
-  0 to 0.25
 -  0.25 to 0.5
 -  0.5 to 1.0
 -  1.0 to 2.0
 -  >2.0

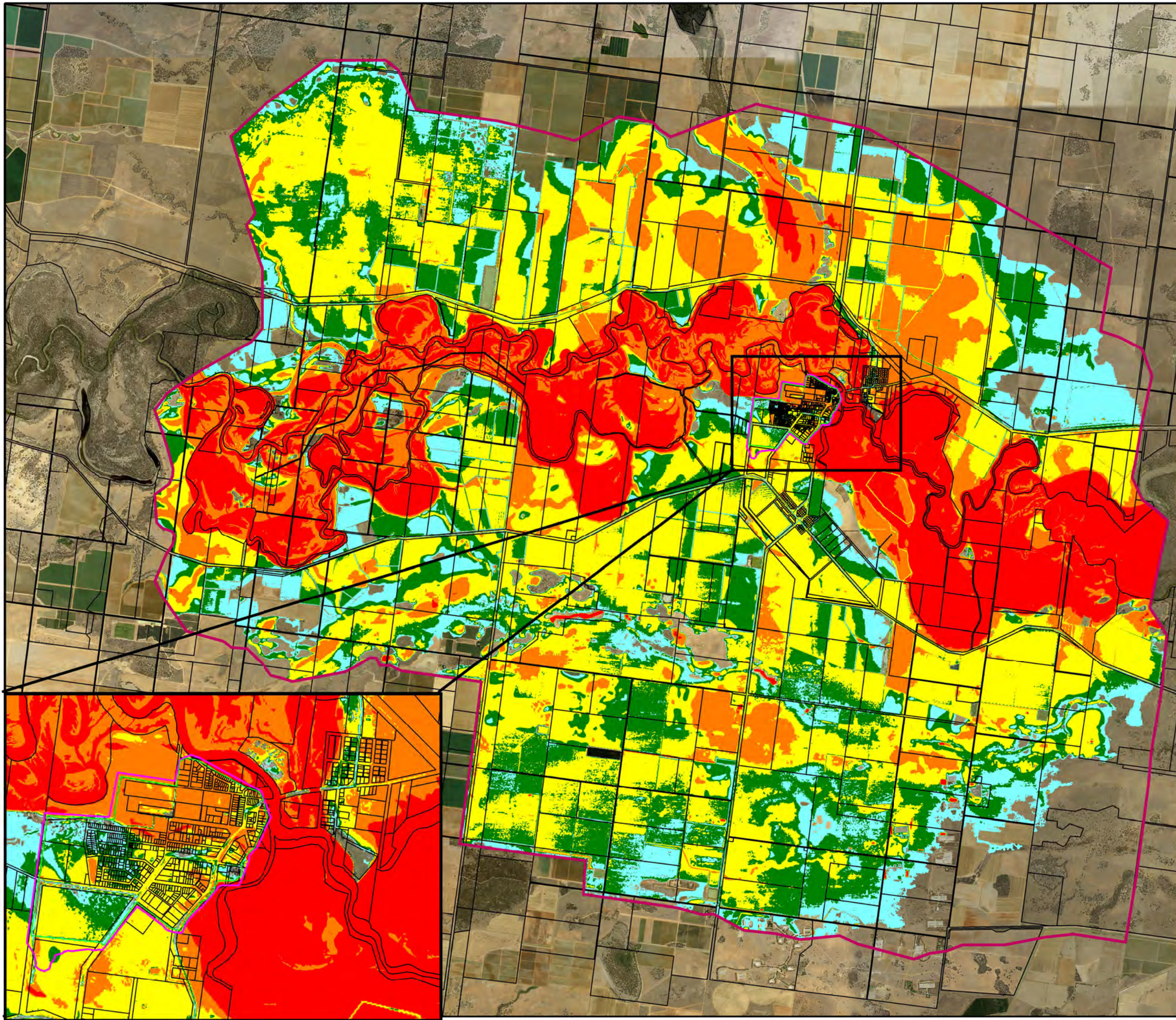
Notes:
 Inundation patterns and/or peak flood levels shown for design events are based on best available estimates of flood behaviour. Actual inundation patterns may vary slightly during a flood event.

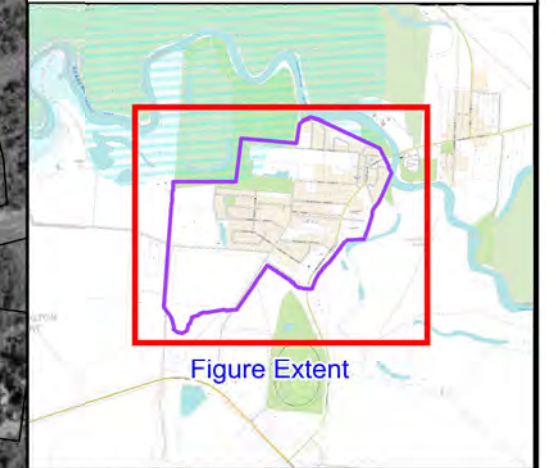


Scale 1:82,000 (at A3)
 0 2.0 4.0
 Km

Figure 25
Murrumbidgee River main stream Peak Floodwater
Depths for Extreme
Design flood

Prepared By:
 **Catchment Simulation Solutions**
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 Sydney, NSW 2000

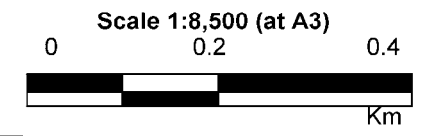





LEGEND

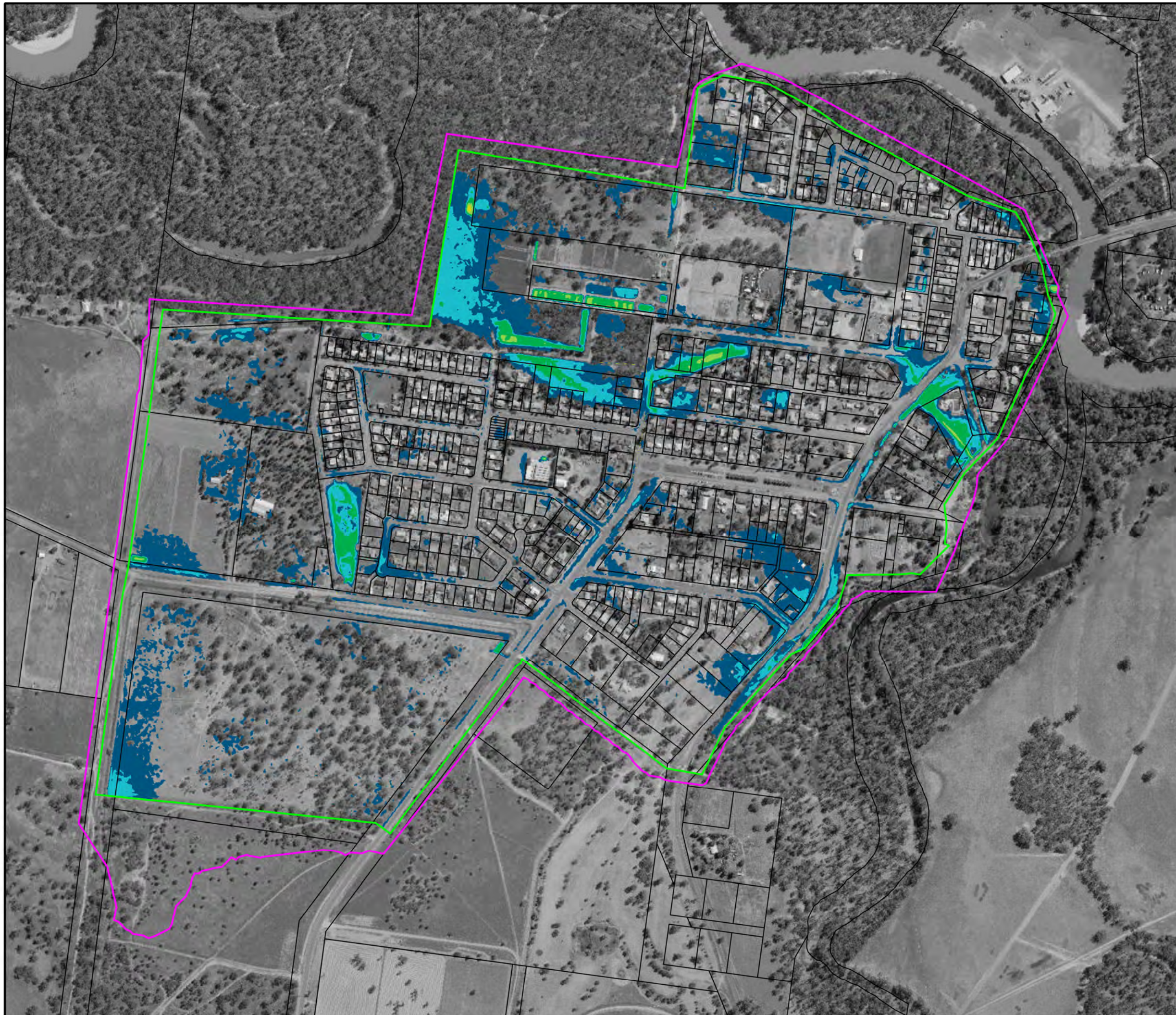
-  Local Catchment Model Extent
 -  Location of Final Alignment of Upgraded Levee
- Hazard Category**
-  H1
 -  H2
 -  H3
 -  H4
 -  H5
 -  H6

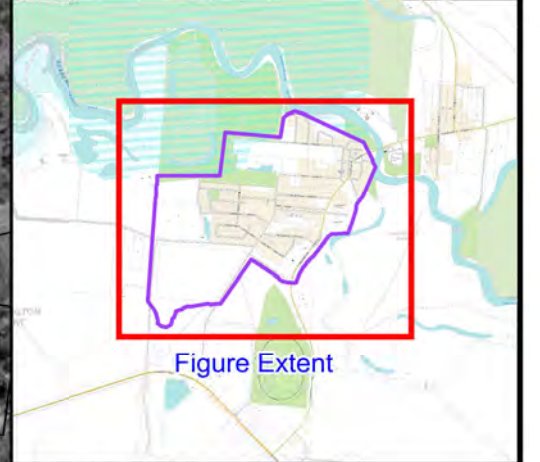
Notes:
 Only depths greater than 0.10 metres are included in mapping. Inundation patterns and/or peak flood levels shown for design events are based on best available estimates of flood behaviour. Actual inundation patterns may vary slightly during a flood event.



**Figure 26:
 Local Catchment Hazard
 Categorisation for
 5% AEP Design flood**

Prepared By:
 **Catchment Simulation Solutions**
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 Sydney, NSW 2000





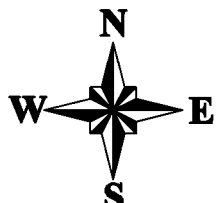
LEGEND

-  Local Catchment Model Extent
-  Location of Final Alignment of Upgraded Levee

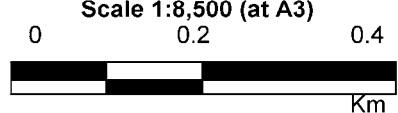
Hazard Category

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


Notes:
 Only depths greater than 0.10 metres are included in mapping. Inundation patterns and/or peak flood levels shown for design events are based on best available estimates of flood behaviour. Actual inundation patterns may vary slightly during a flood event.

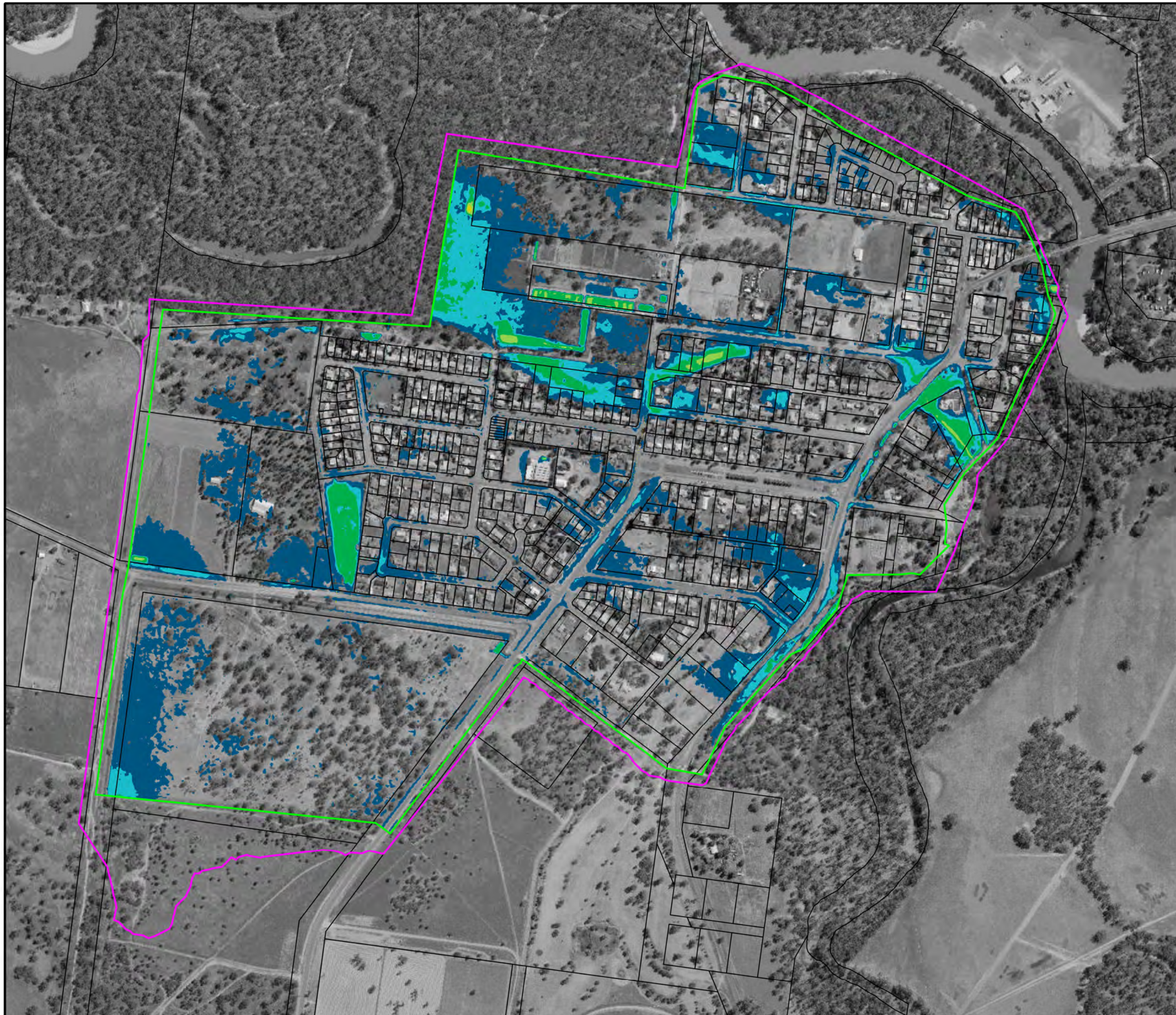


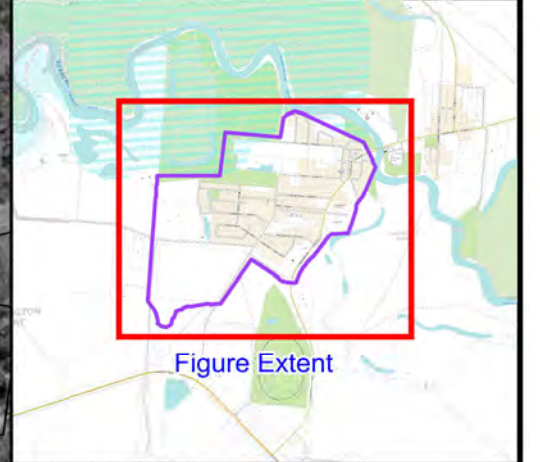
Scale 1:8,500 (at A3)



**Figure 27:
 Local Catchment Hazard
 Categorisation for
 1% AEP Design flood**

Prepared By:
 **Catchment Simulation Solutions**
 Suite 10.01, 70 Phillip St
 Sydney, NSW 2000





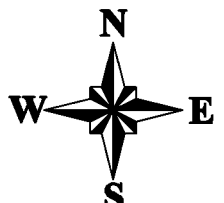
LEGEND

-  Local Catchment Model Extent
-  Location of Final Alignment of Upgraded Levee

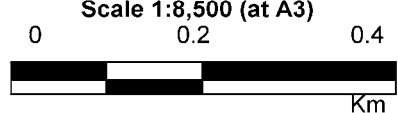
Hazard Category

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


Notes:
 Only depths greater than 0.10 metres are included in mapping. Inundation patterns and/or peak flood levels shown for design events are based on best available estimates of flood behaviour. Actual inundation patterns may vary slightly during a flood event.

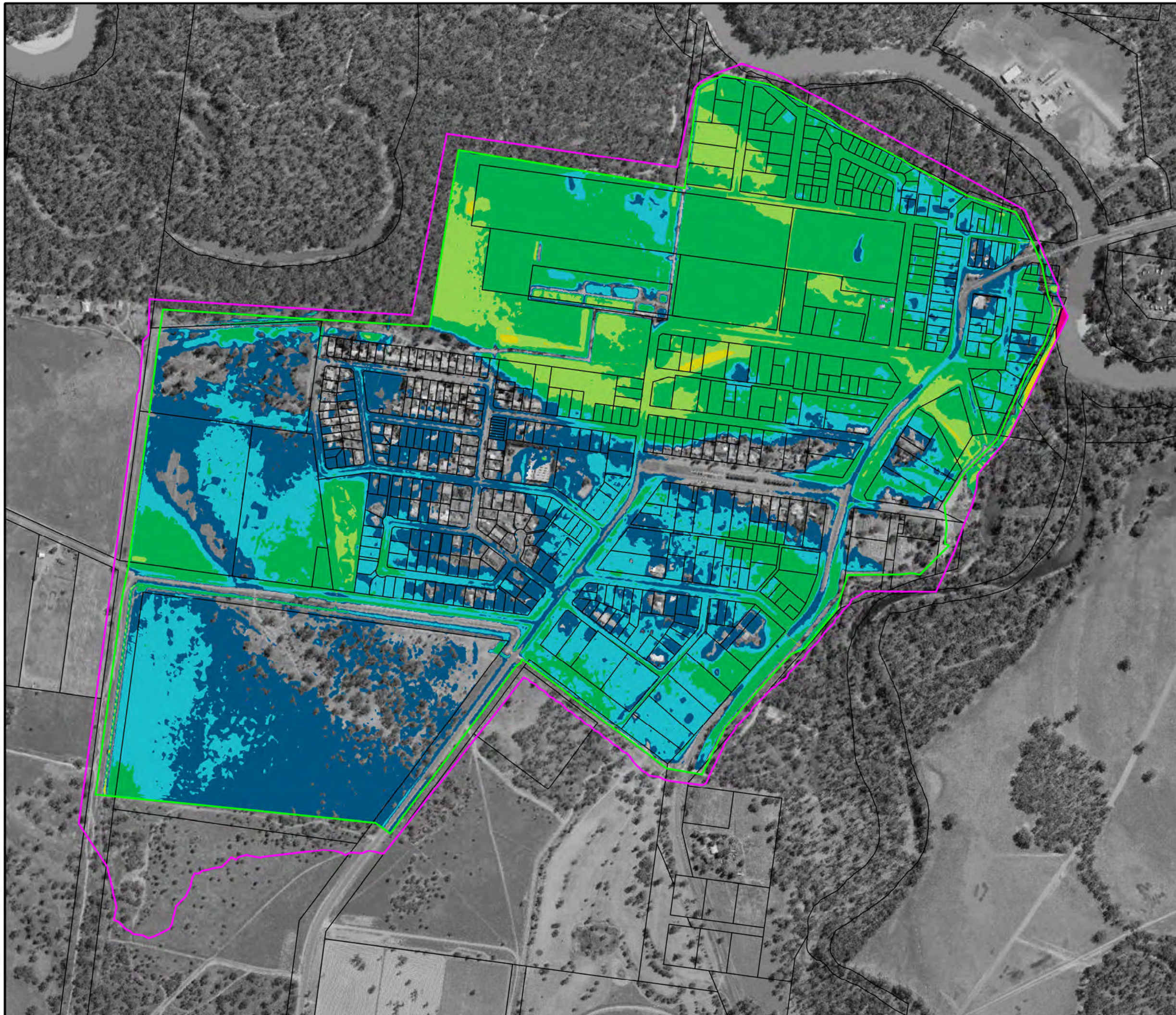


Scale 1:8,500 (at A3)



**Figure 28:
 Local Catchment Hazard
 Categorisation for
 Extreme Design flood**

Prepared By:
 **Catchment Simulation Solutions**
 Suite 10.01, 70 Phillip St
 Sydney, NSW 2000



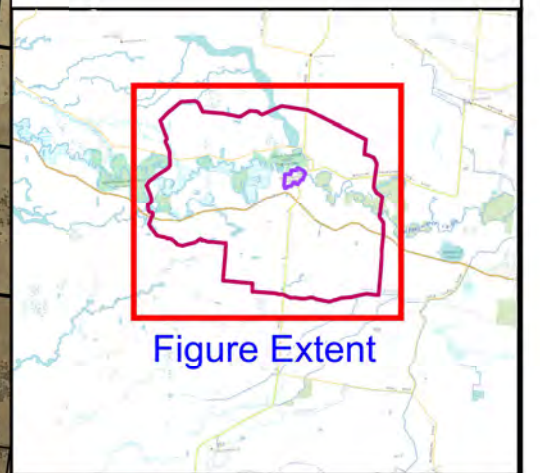











Figure Extent

LEGEND

-  Study area
-  Local Catchment Model Extent
-  Location of Final Alignment of Upgraded Levee
- Hazard Category**
-  H1
-  H2
-  H3
-  H4
-  H5
-  H6

Notes:
 Inundation patterns and/or peak flood levels shown for design events are based on best available estimates of flood behaviour. Actual inundation patterns may vary slightly during a flood event.

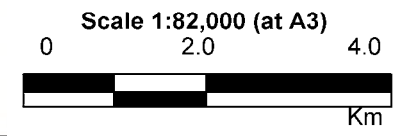
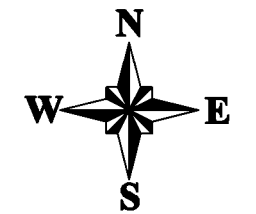
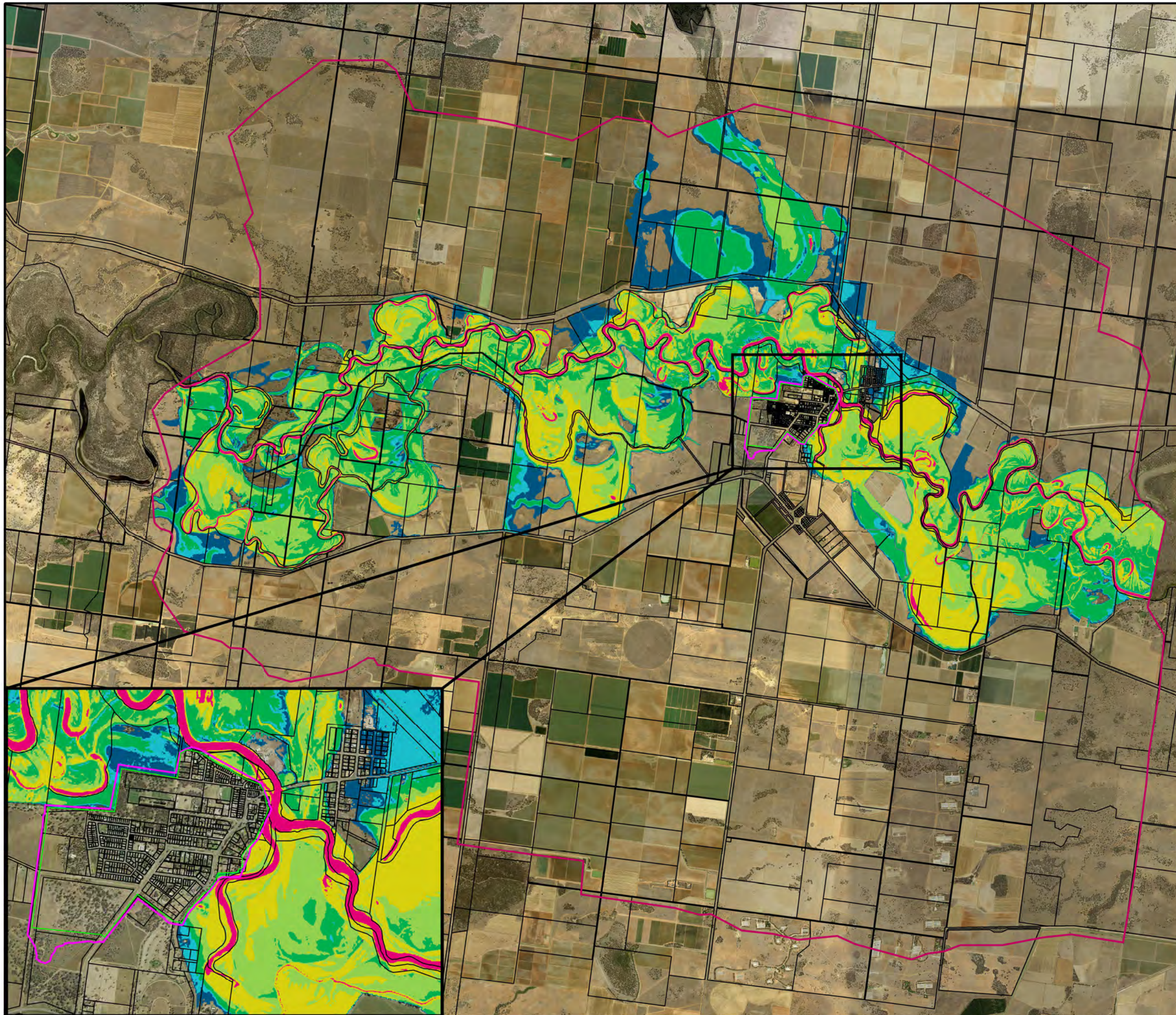


Figure 29
Murrumbidgee River main stream Hazard Categorisation for 5% AEP Design flood

Prepared By:
 **Catchment Simulation Solutions**
 Suite 10.01, 70 Phillip St
 Sydney, NSW 2000



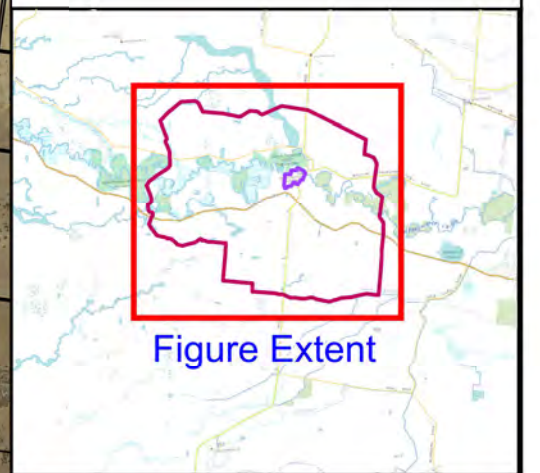









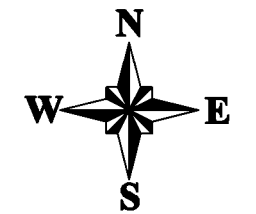


Figure Extent

LEGEND


-  Study area
 -  Local Catchment Model Extent
 -  Location of Final Alignment of Upgraded Levee
- Hazard Category
-  H1
 -  H2
 -  H3
 -  H4
 -  H5
 -  H6

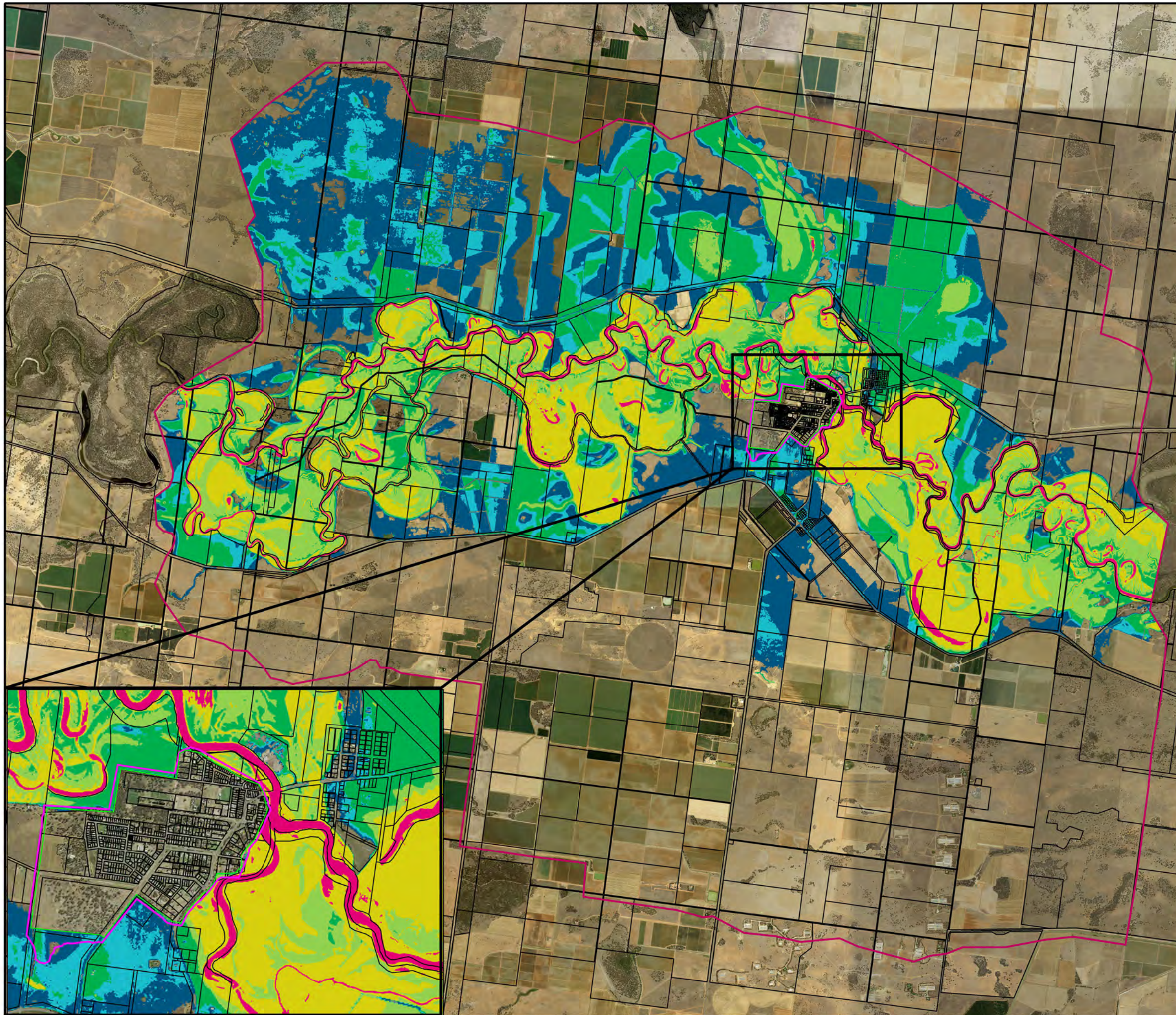
Notes:
 Inundation patterns and/or peak flood levels shown for design events are based on best available estimates of flood behaviour. Actual inundation patterns may vary slightly during a flood event.



Scale 1:82,000 (at A3)
 0 2.0 4.0
 Km

Figure 30
Murrumbidgee River main stream Hazard Categorisation for 1% AEP Design flood

Prepared By:
 **Catchment Simulation Solutions**
 Suite 10.01, 70 Phillip St
 Sydney, NSW 2000



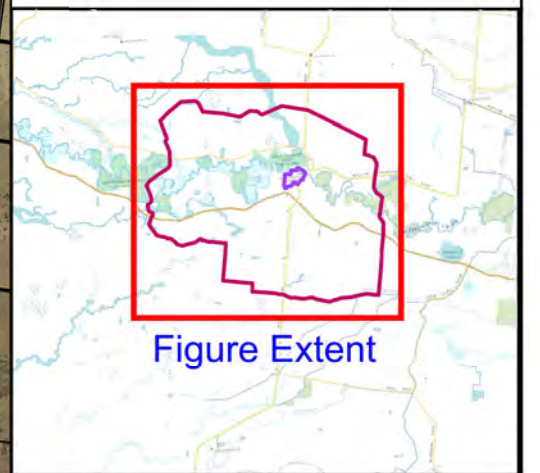









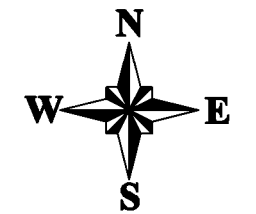


Figure Extent

LEGEND

-  Study area
 -  Local Catchment Model Extent
 -  Location of Final Alignment of Upgraded Levee
- Hazard Category
-  H1
 -  H2
 -  H3
 -  H4
 -  H5
 -  H6

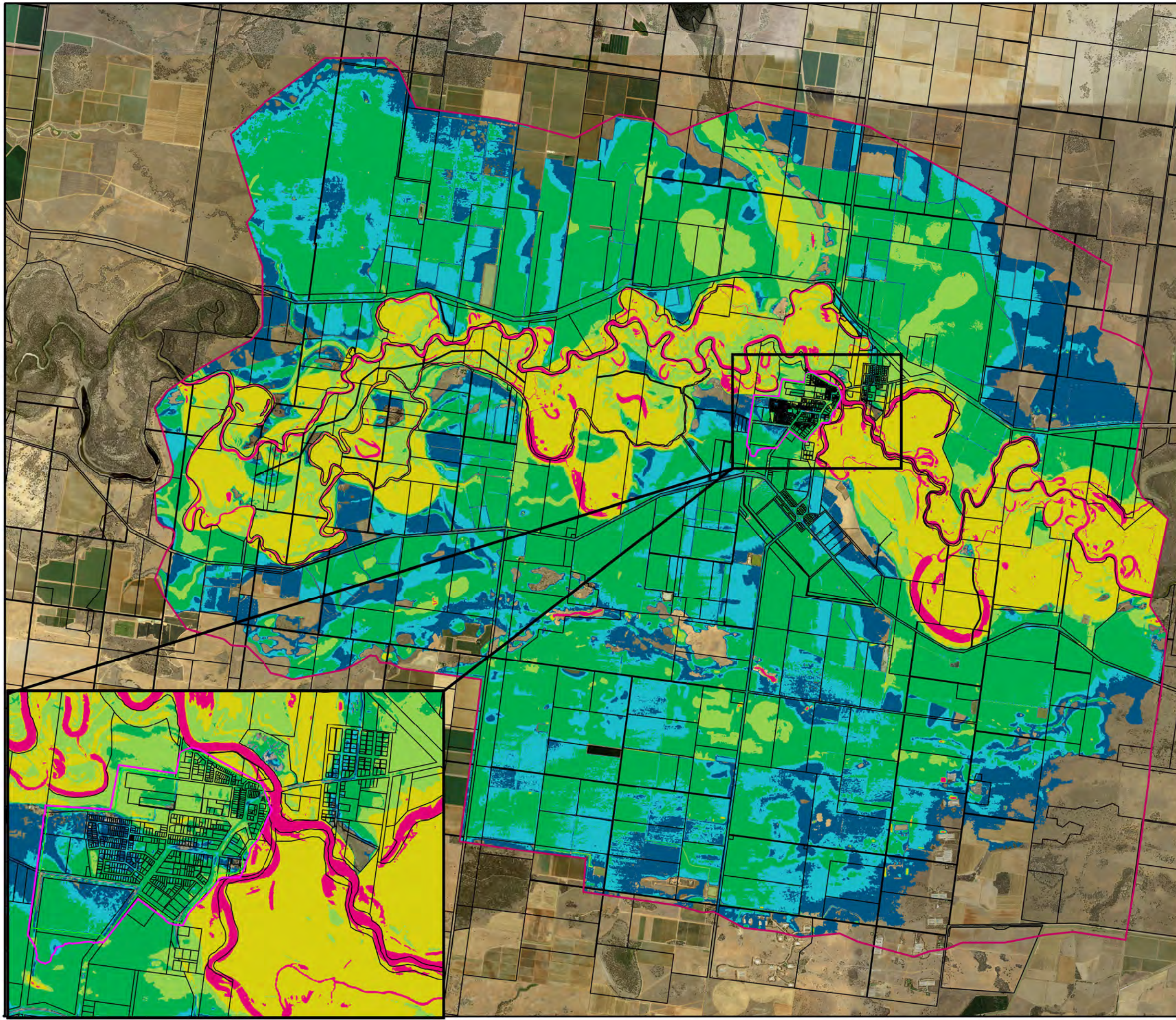
Notes:
 Inundation patterns and/or peak flood levels shown for design events are based on best available estimates of flood behaviour. Actual inundation patterns may vary slightly during a flood event.



Scale 1:82,000 (at A3)
 0 2.0 4.0
 Km

Figure 31
Murrumbidgee River main stream Hazard Categorisation for Extreme Design flood

Prepared By:
 **Catchment Simulation Solutions**
 Suite 10.01, 70 Phillip St
 Sydney, NSW 2000



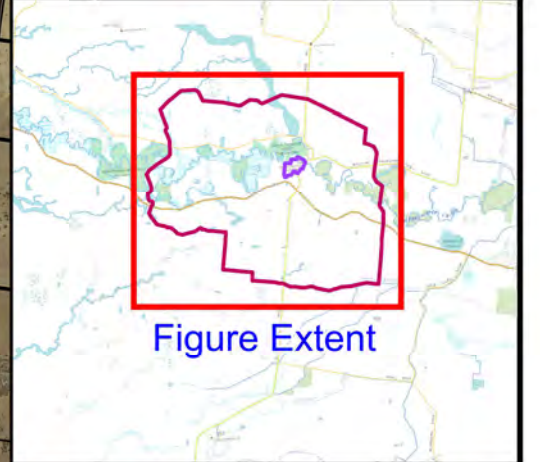


Figure Extent

LEGEND

-  Study Area
 -  Local Catchment Model Extent
 -  Location of Final Alignment of Upgraded Levee
- Hydraulic Category
-  Flood Fringe
 -  Flood Storage
 -  Floodway

Notes:
 Inundation patterns and/or peak flood levels shown for design events are based on best available estimates of flood behaviour. Actual inundation patterns may vary slightly during a flood event.

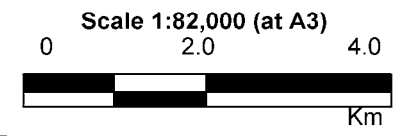
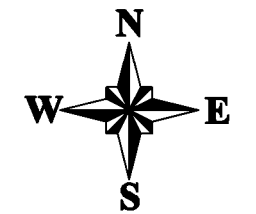

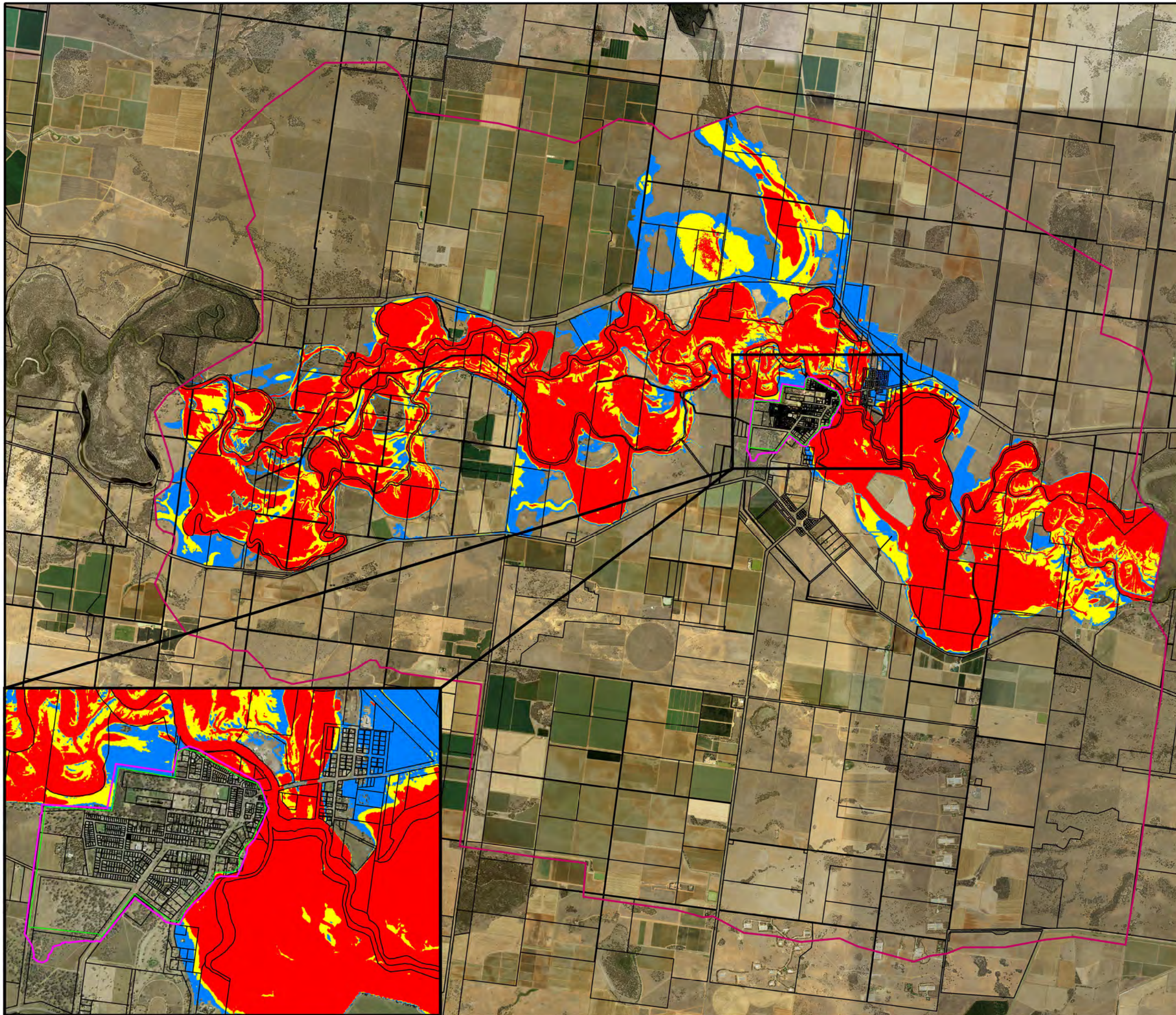


Figure 32
Murrumbidgee River main stream Hydraulic categorisation for 5% AEP Design flood

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 **Catchment Simulation Solutions**
 Suite 10.01, 70 Phillip St
 Sydney, NSW 2000



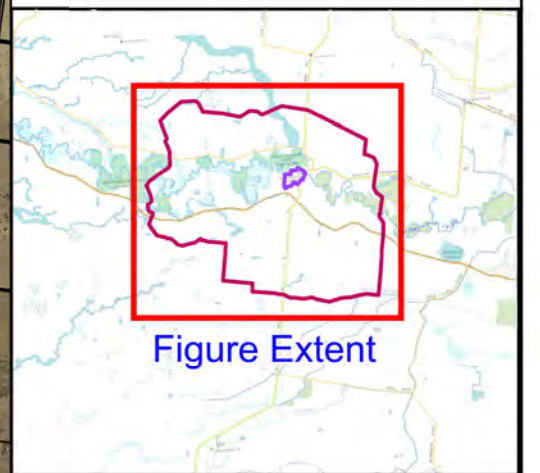






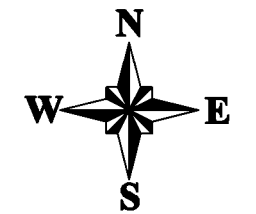


Figure Extent

LEGEND


-  Study Area
-  Local Catchment Model Extent
-  Location of Final Alignment of Upgraded Levee
- Hydraulic Category**
-  Flood Fringe
-  Flood Storage
-  Floodway

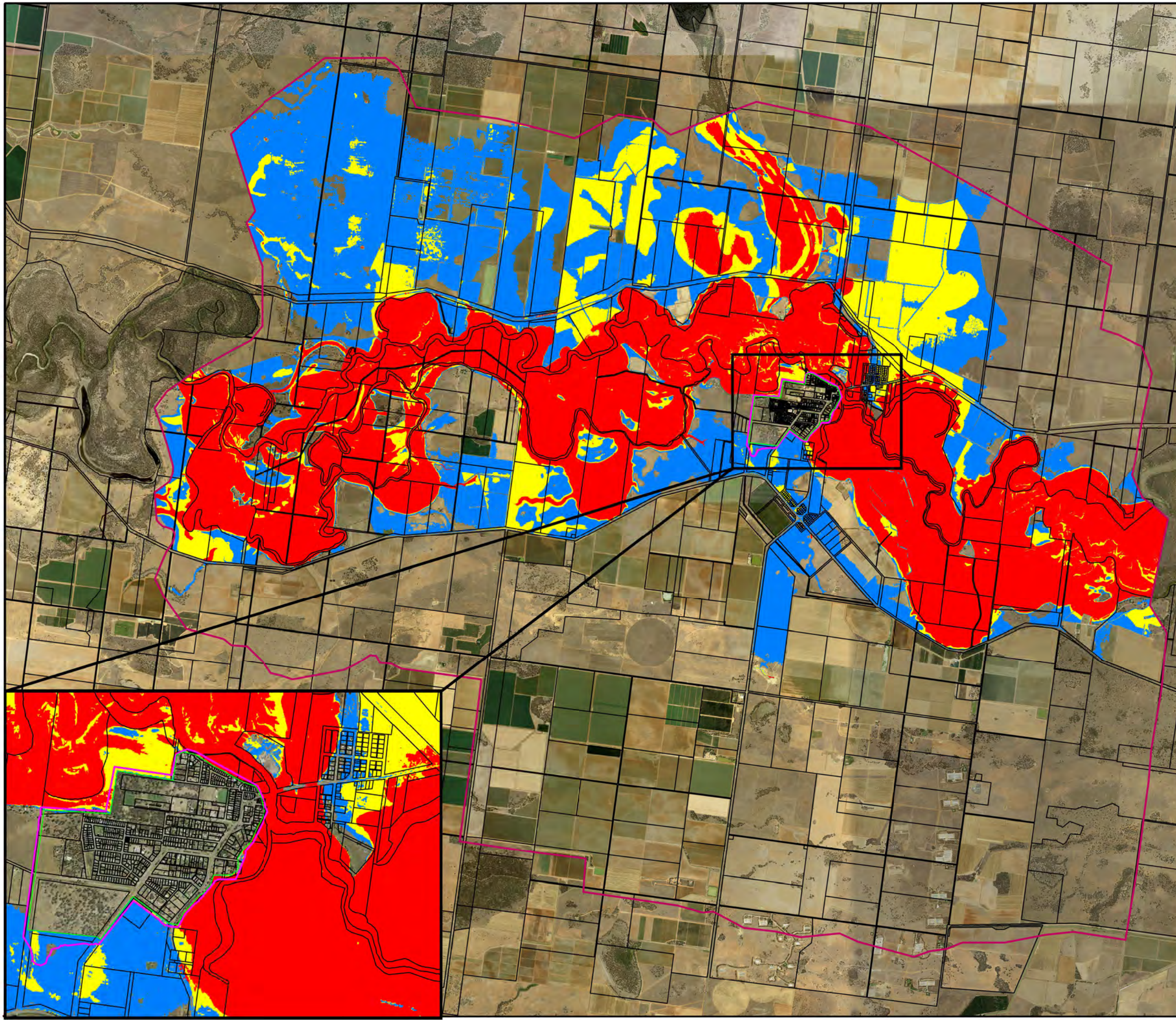
Notes:
 Inundation patterns and/or peak flood levels shown for design events are based on best available estimates of flood behaviour. Actual inundation patterns may vary slightly during a flood event.



Scale 1:82,000 (at A3)
 0 2.0 4.0
 Km

Figure 33
Murrumbidgee River main stream Hydraulic categorisation for 1% AEP Design flood

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 Sydney, NSW 2000



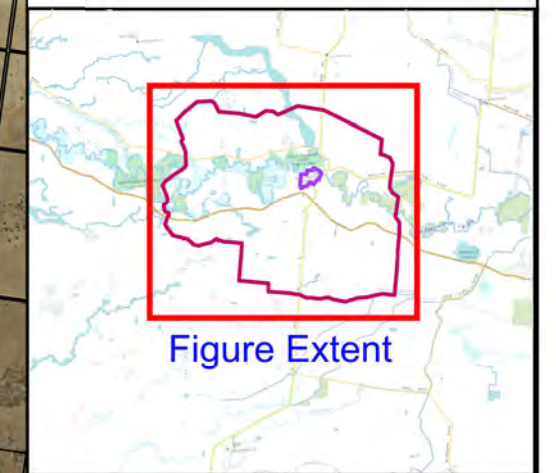








Figure Extent

LEGEND


-  Study Area
-  Local Catchment Model Extent
-  Location of Final Alignment of Upgraded Levee
- Hydraulic Category**
-  Flood Fringe
-  Flood Storage
-  Floodway

Notes:
 Inundation patterns and/or peak flood levels shown for design events are based on best available estimates of flood behaviour. Actual inundation patterns may vary slightly during a flood event.

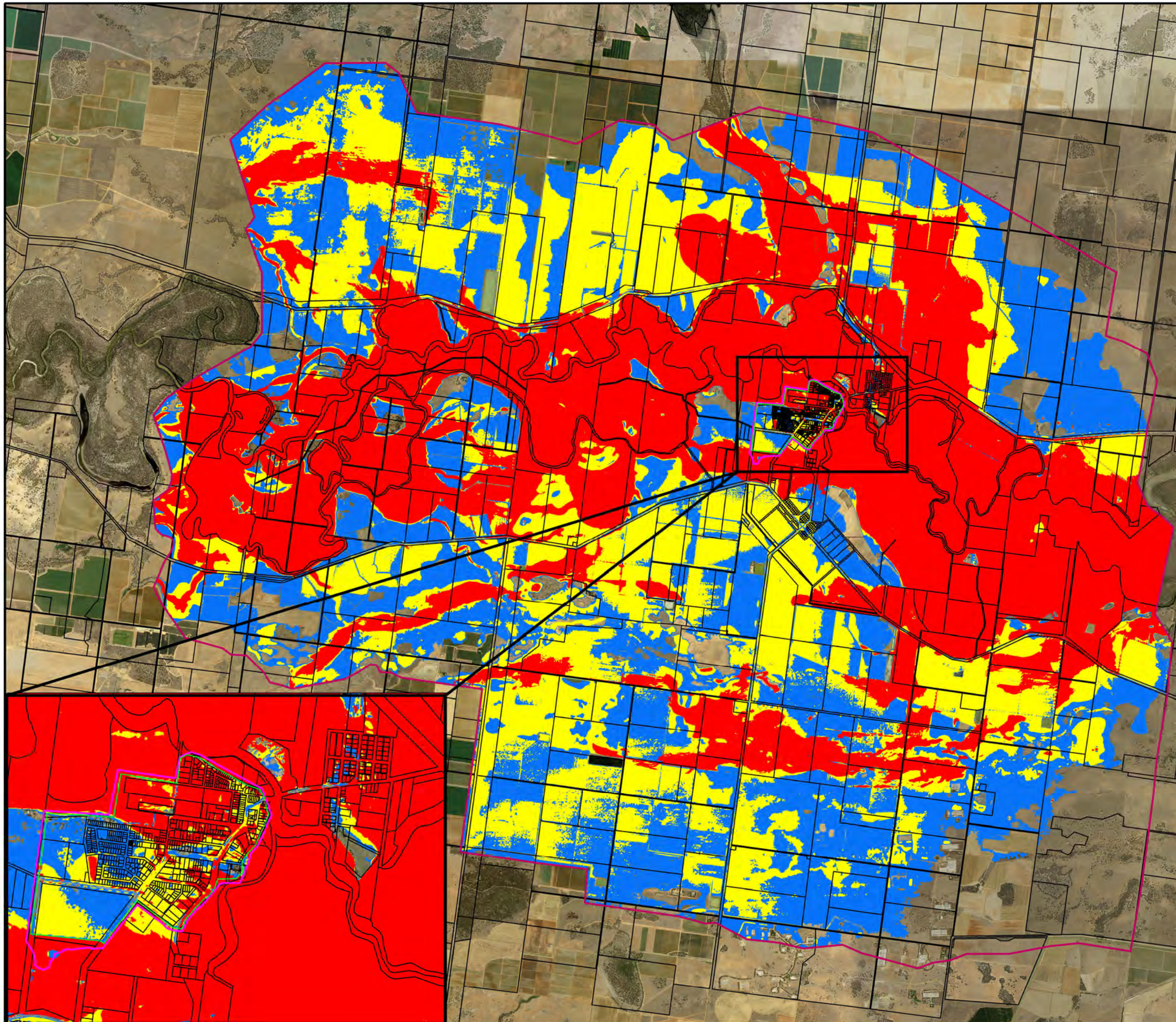


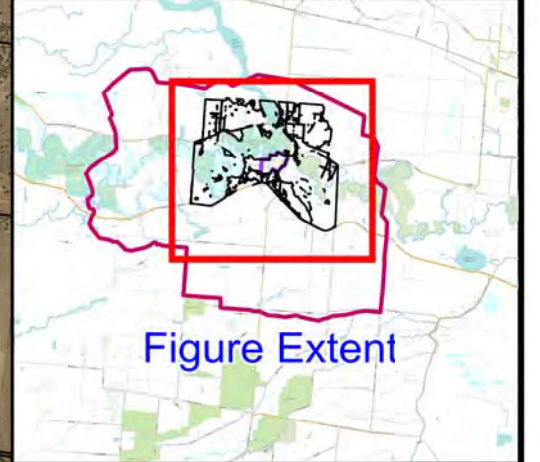
Scale 1:82,000 (at A3)
 0 2.0 4.0
 Km

Figure 34
Murrumbidgee River main stream Hydraulic categorisation for extreme Design flood

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 **Catchment Simulation Solutions**
 Suite 10.01, 70 Phillip St
 Sydney, NSW 2000

File Name: Figure 34 Murrumbidgee River mainstream Hydraulic categorisation for Extreme Design flood.wor

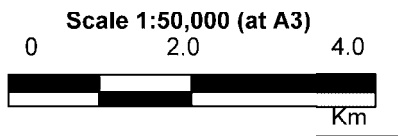
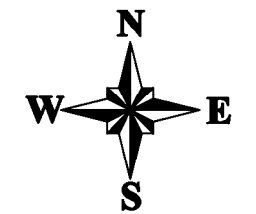




LEGEND

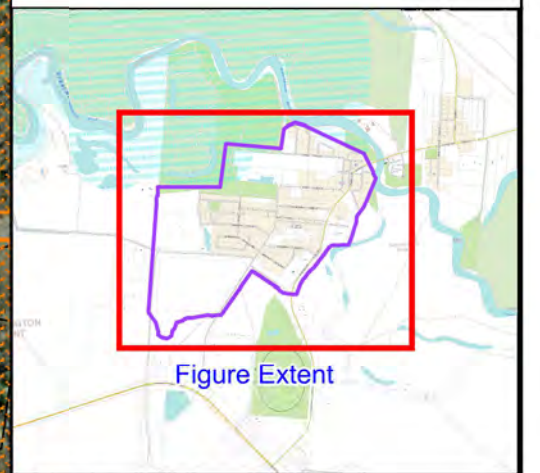
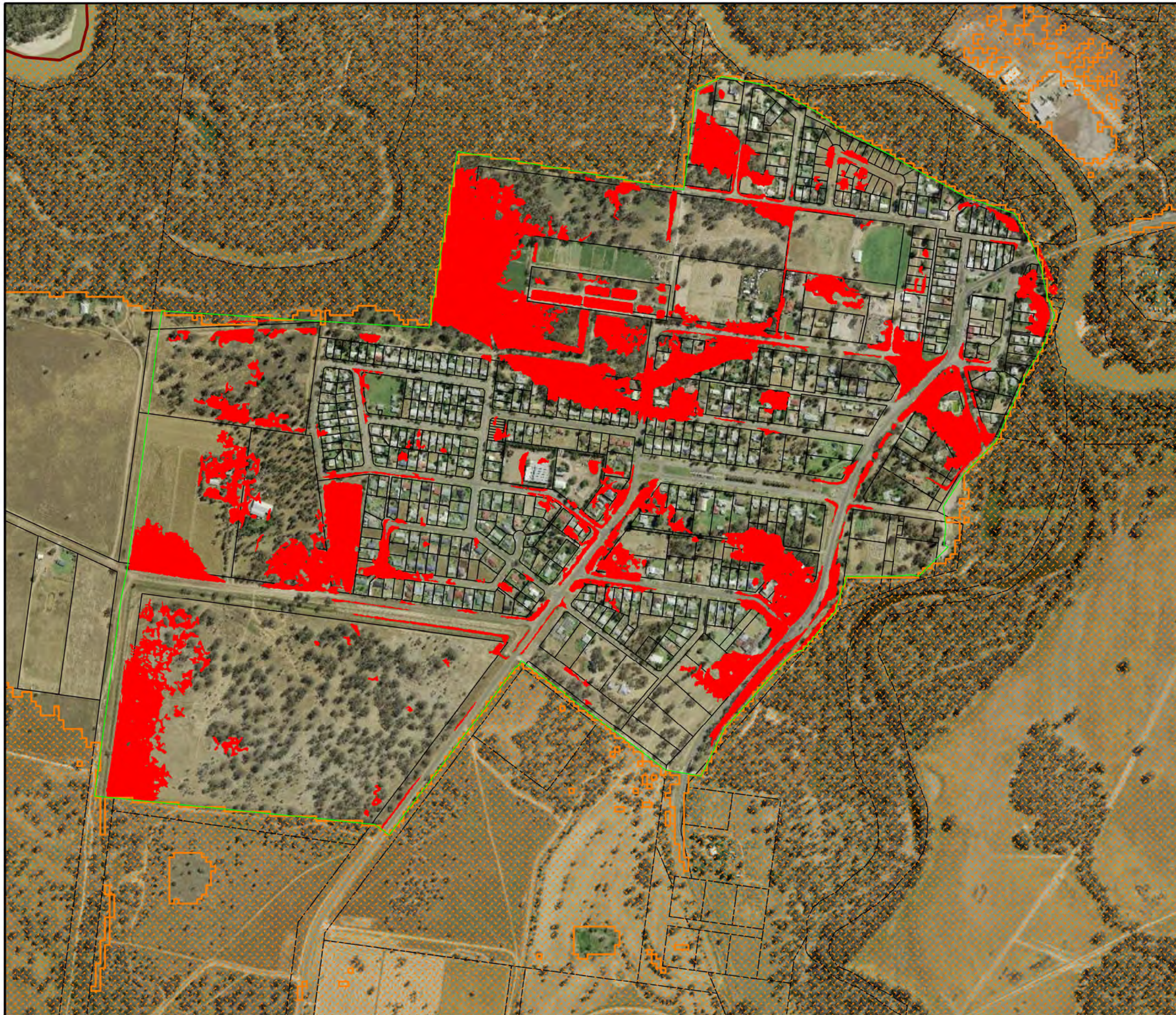
- Local Flood Planning Area
- Riverine Flood Planning Area
- Areas currently zoned RU5 and/or R5
- Location of Final Alignment of Upgraded Levee

Notes:



**Figure 35.1:
Murrumbidgee River
FPA**

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 Sydney, NSW 2000



LEGEND

- Local Flood Planning Area
- Riverine Flood Planning Area
- Location of Final Alignment of Upgraded Levee

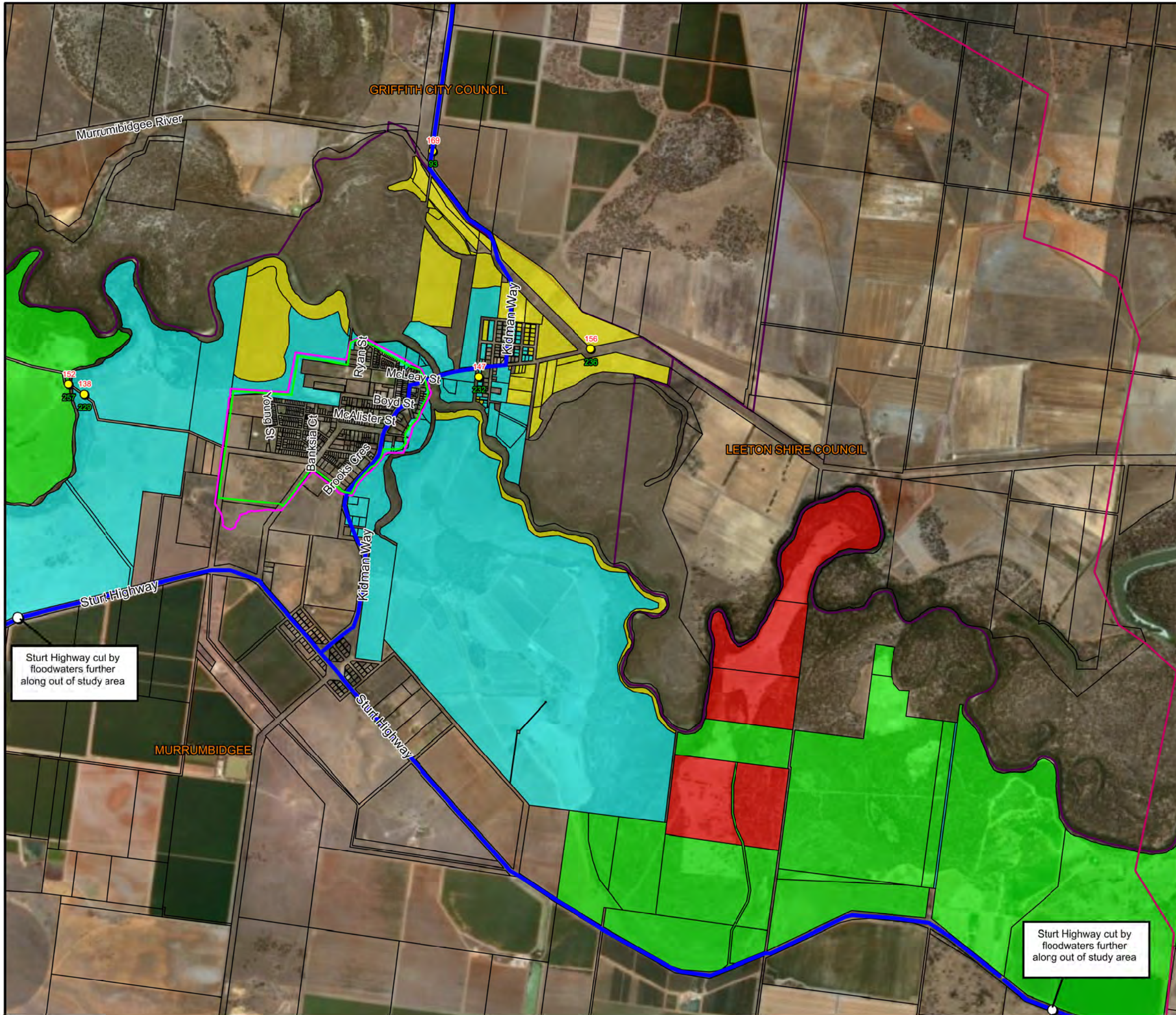
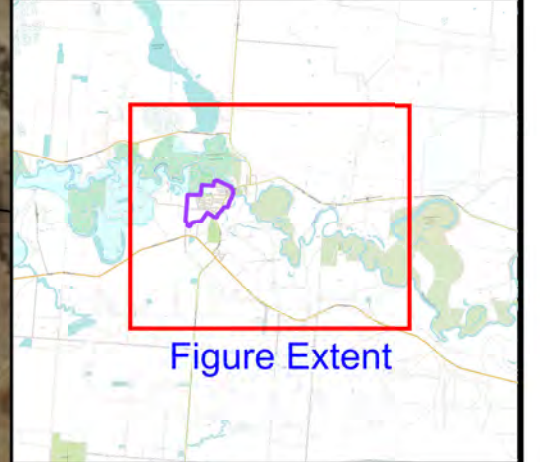
Notes:

Scale 1:8,500 (at A3)

Km

**Figure 35.2:
Local Catchment
FPA**

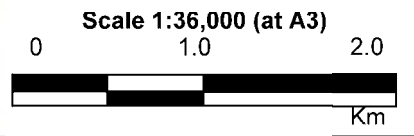
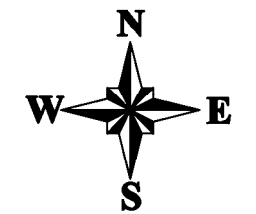
Prepared By:
Catchment Simulation Solutions
 Suite 10.01, 70 Phillip St
 Sydney, NSW 2000



LEGEND

-  Local Catchment Model Extent
-  Location of Final Alignment of Upgraded Levee
-  Flooded Isolated Submerged
-  Flooded Exit Route Overland Escape
-  Flooded Isolated Elevated
-  Flooded Exit Route Rising Road
-  Indirect Consequences
-  No Flood Impacts
-  Time Road First Cul (hr)
-  Duration of Road Cut (hr)

Notes:



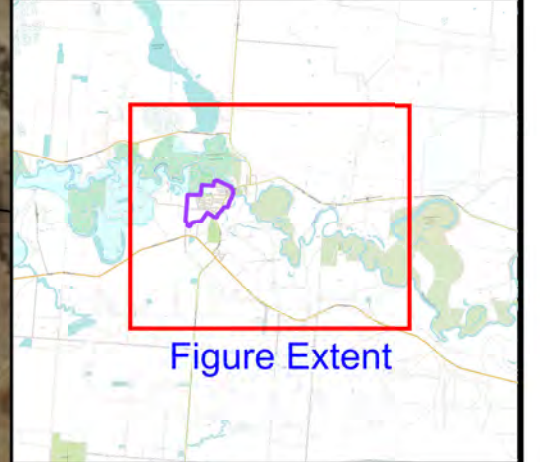
**Figure 36:
Emergency response
classification for 5% AEP
Design flood event**

Prepared By:

Catchment Simulation Solutions
 Suite 10.01, 70 Phillip St
 Sydney, NSW 2000

Sturt Highway cut by floodwaters further along out of study area

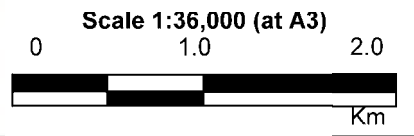
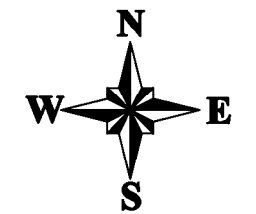
Sturt Highway cut by floodwaters further along out of study area



LEGEND

-  Local Catchment Model Extent
-  Location of Final Alignment of Upgraded Levee
-  Flooded Isolated Submerged
-  Flooded Exit Route Overland Escape
-  Flooded Isolated Elevated
-  Flooded Exit Route Rising Road
-  Indirect Consequences
-  No Flood Impacts
-  Time Road First Cul (hr)
-  Duration of Road Cut (hr)

Notes:

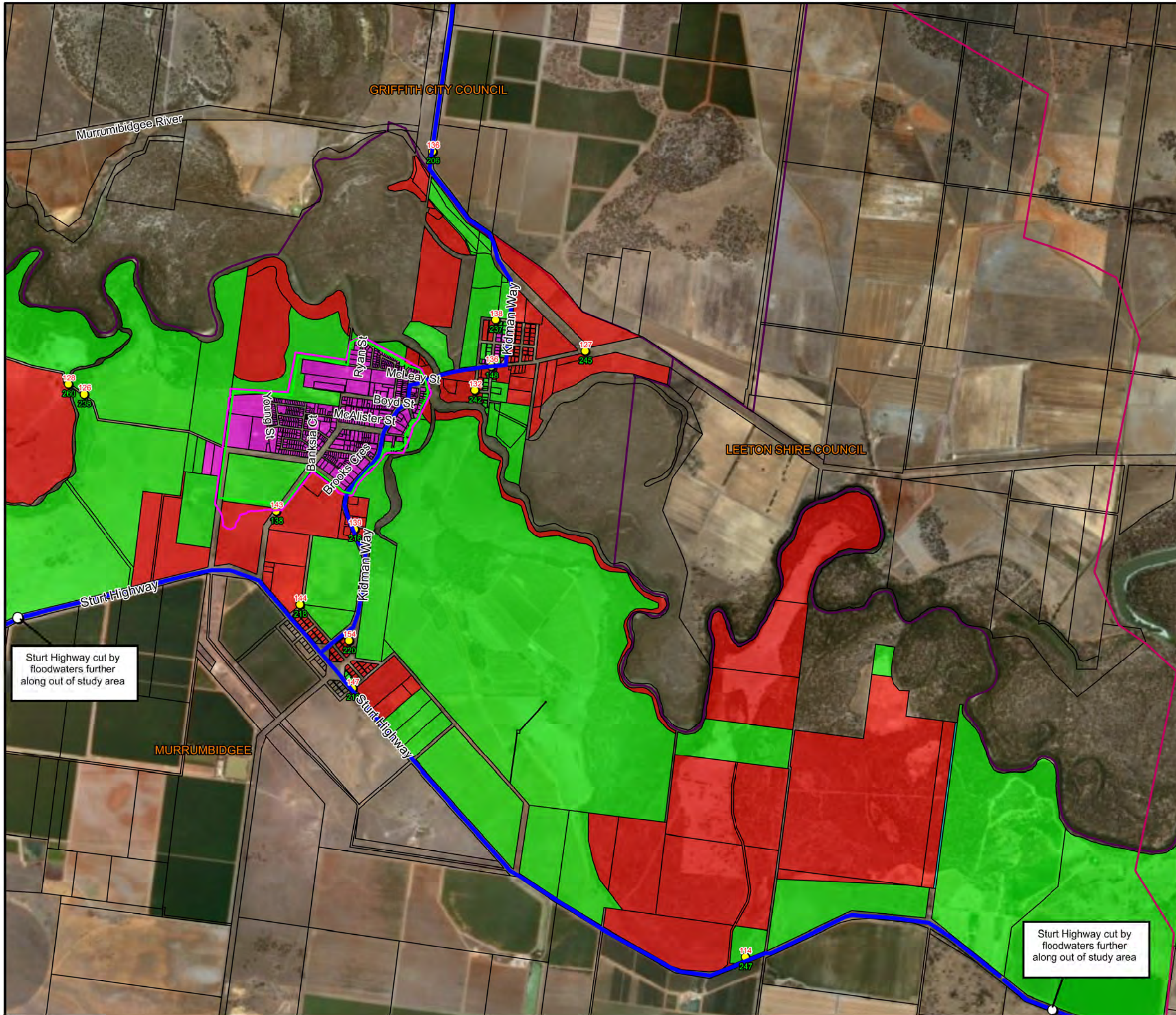


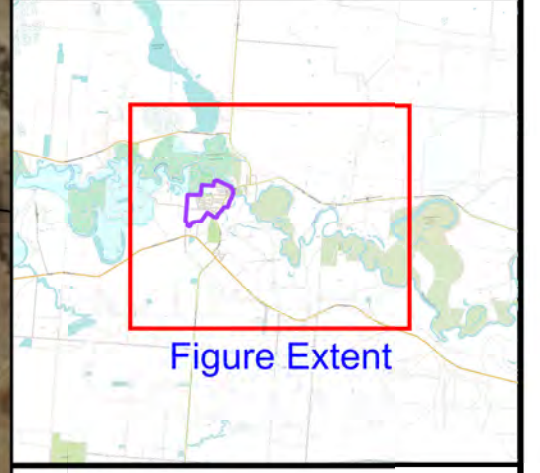
**Figure 37:
Emergency response
classification for 1% AEP
Design flood event**

Prepared By:

Catchment Simulation Solutions
 Suite 10.01, 70 Phillip St
 Sydney, NSW 2000

File Name: Figure 37 ERC for 1% AEP Design flood event WOR





LEGEND

-  Local Catchment Model Extent
-  Location of Final Alignment of Upgraded Levee
-  Flooded Isolated Submerged
-  Flooded Exit Route Overland Escape
-  Flooded Isolated Elevated
-  Flooded Exit Route Rising Road
-  Indirect Consequences
-  No Flood Impacts
-  Time Road First Cul (hr)
-  Duration of Road Cut (hr)

Notes:

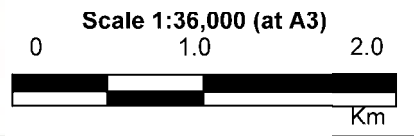
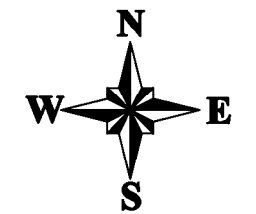
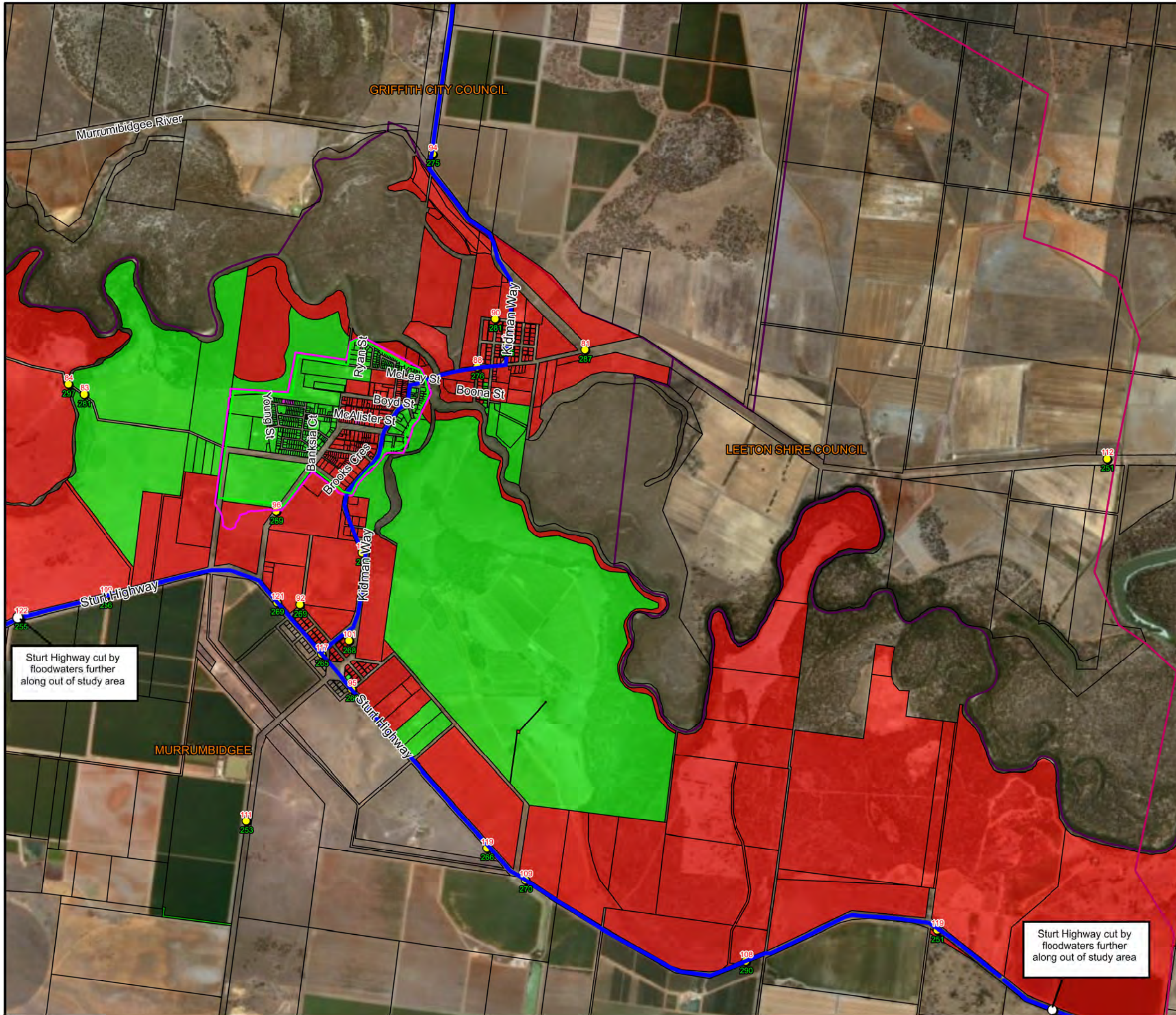


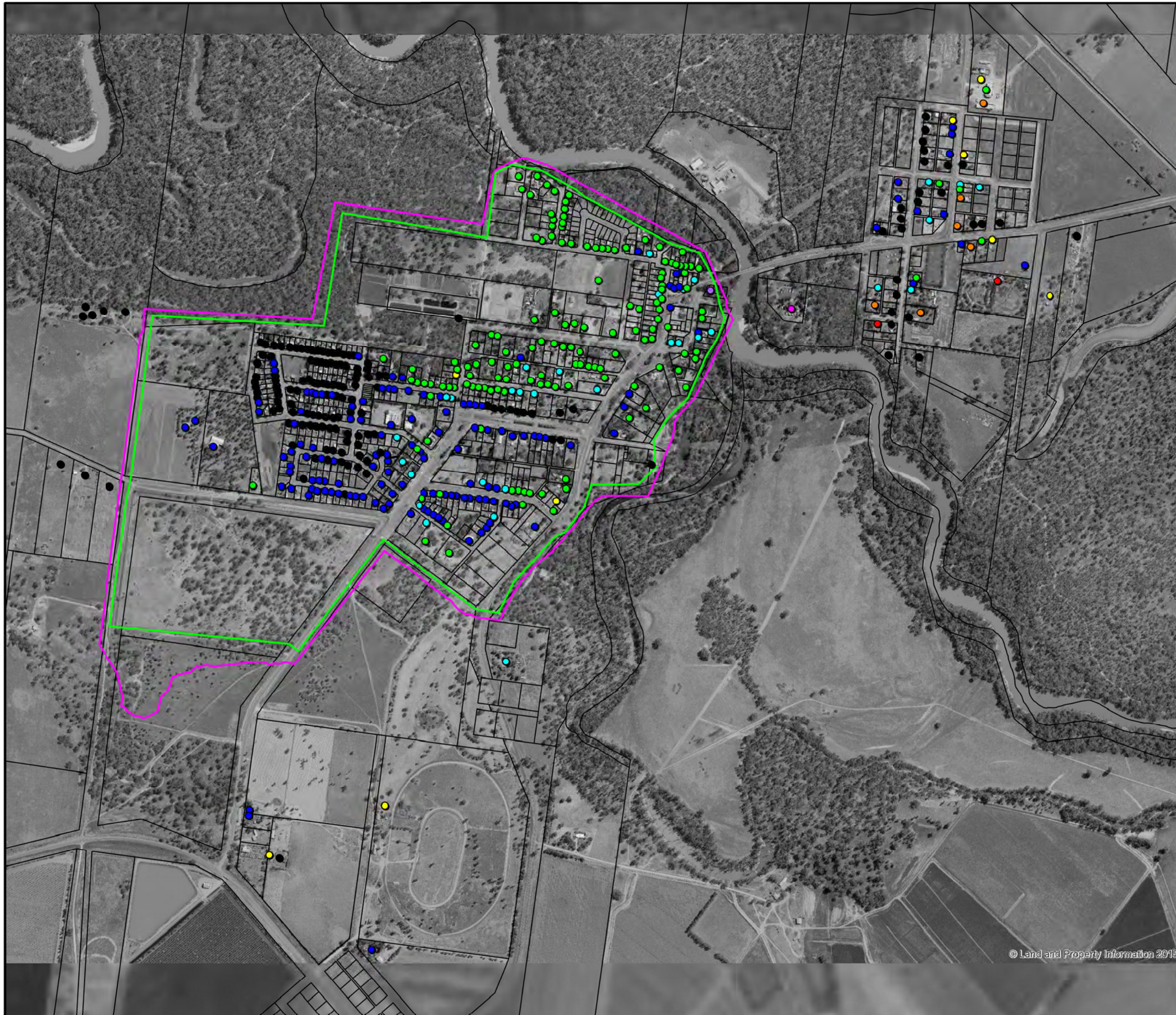
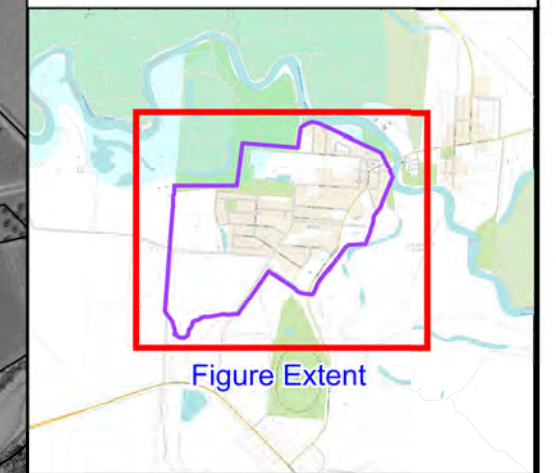
Figure 38:
Emergency response classification for Extreme Design flood event

Prepared By:

Catchment Simulation Solutions
 Suite 10.01, 70 Phillip St
 Sydney, NSW 2000

File Name: Figure 38 ERC for Extreme Design flood event WOR

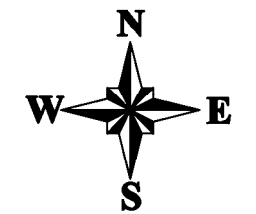




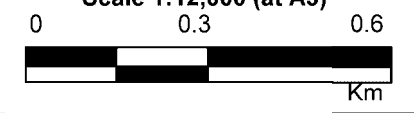
LEGEND

-  Local Catchment Model Extent
 -  Location of Final Alignment of Upgraded Levee
- Above Floor Frequency**
-  Never Above Floor Level
 -  Extreme Flood Event
 -  0.2% AEP
 -  0.5% AEP
 -  1% AEP
 -  2% AEP
 -  5% AEP
 -  10% AEP
 -  20% AEP

Notes:

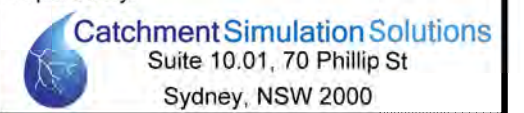


Scale 1:12,000 (at A3)



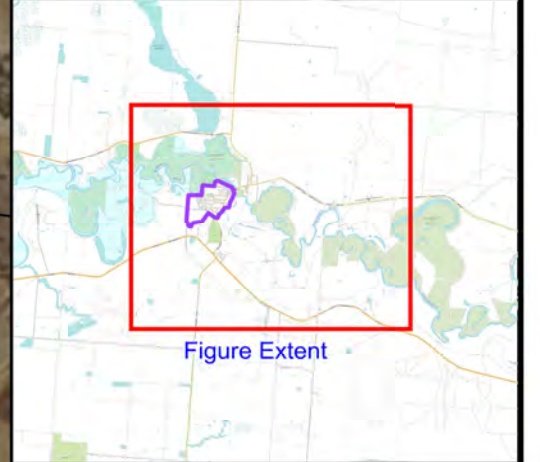
**Figure 39:
Frequency of above
floor flooding**

Prepared By:







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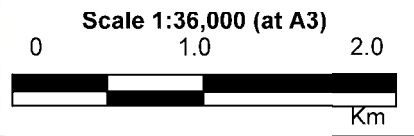
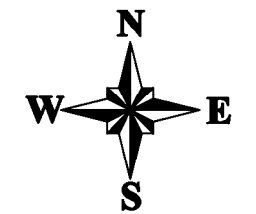
File Name: Figure 39: Frequency of above floor flooding.wor



LEGEND


-  Local Catchment Model Extent
-  Location of Final Alignment of Upgraded Levee
-  Biodiversity
-  High Flood Risk Precinct

Notes:

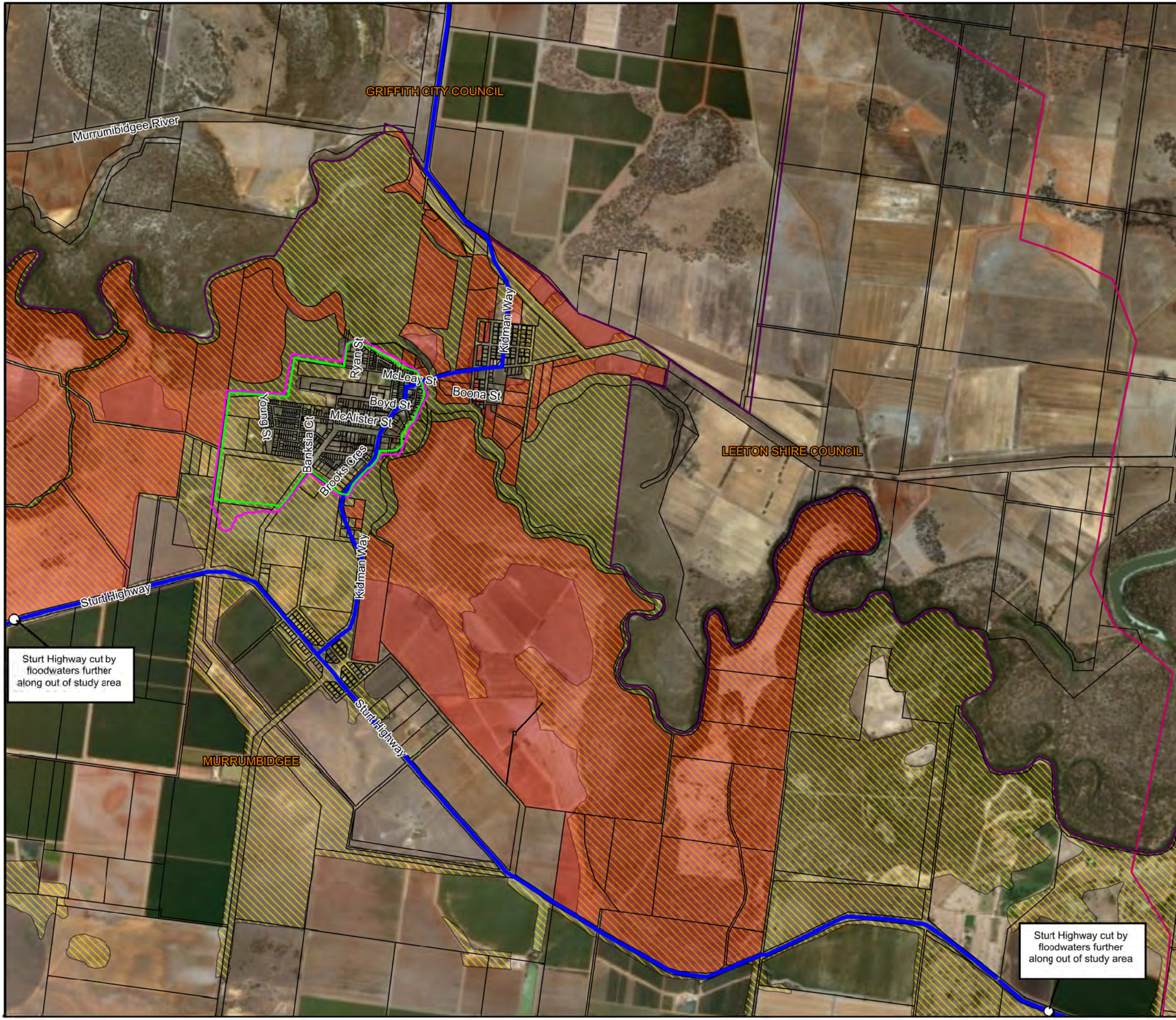


**Figure 40:
High Flood Risk Precinct
in the 1% AEP
Design flood event**

Prepared By:

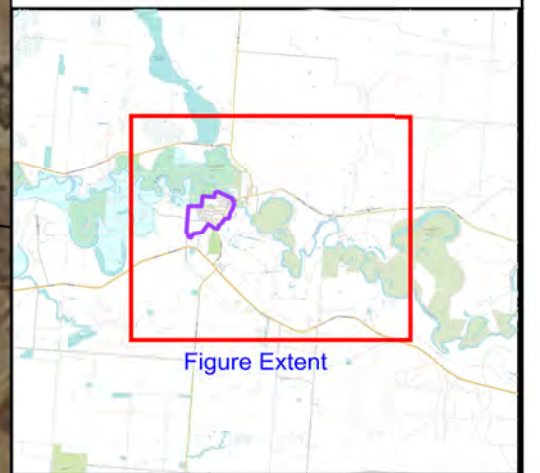
 **Catchment Simulation Solutions**
Suite 10.01, 70 Phillip St
Sydney, NSW 2000

File Name: Figure 40 High Flood Risk Precinct 1% AEP Design flood event WOR







Sturt Highway cut by floodwaters further along out of study area

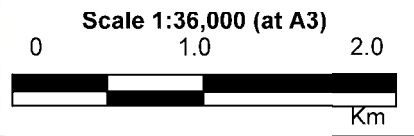
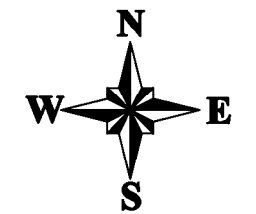
Sturt Highway cut by floodwaters further along out of study area



LEGEND

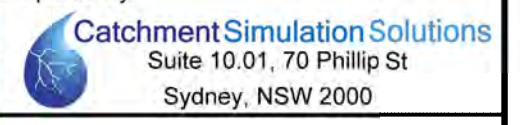
-  Local Catchment Model Extent
-  Location of Final Alignment of Upgraded Levee
-  Biodiversity
-  High Flood Risk Precinct

Notes:

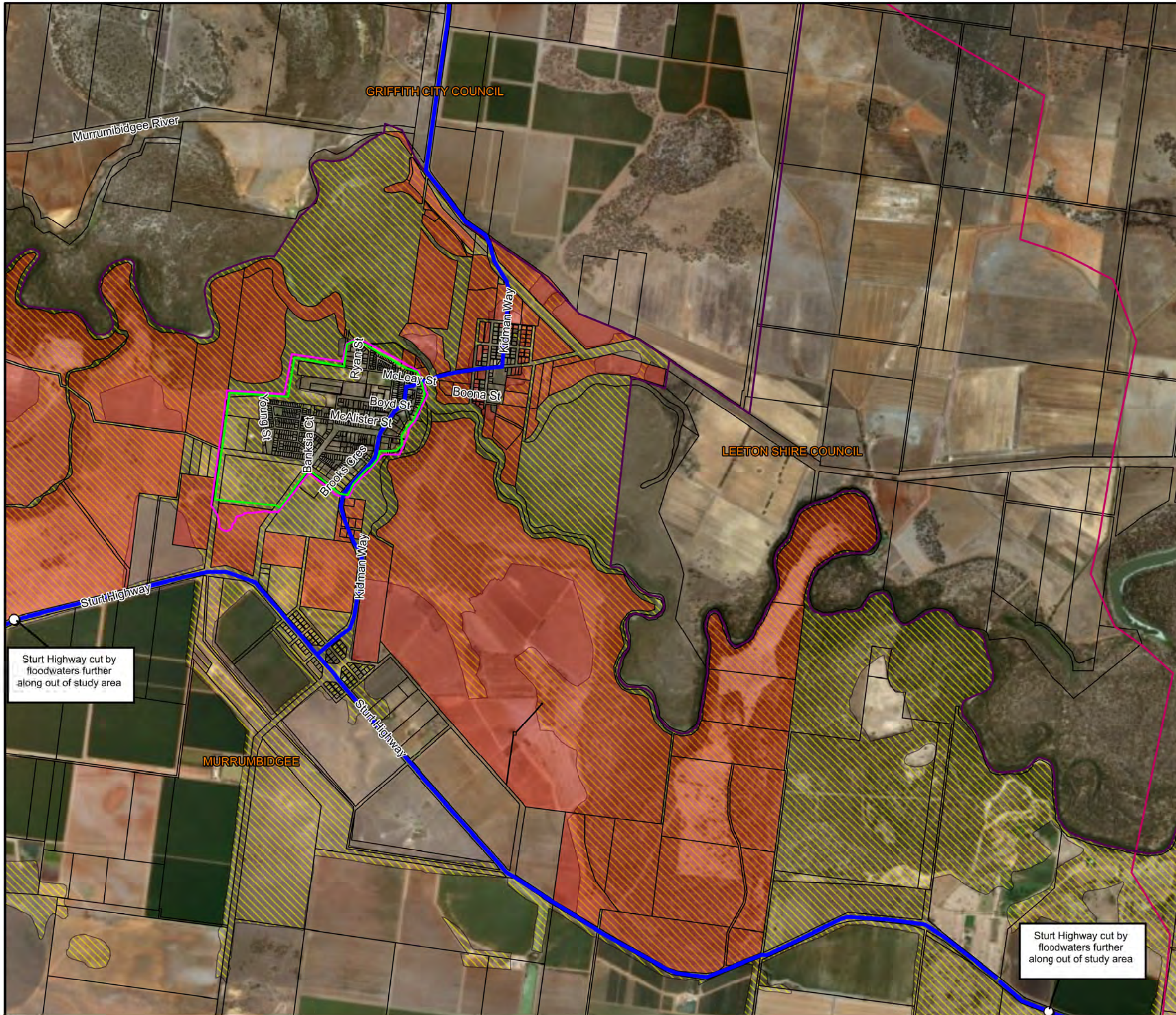


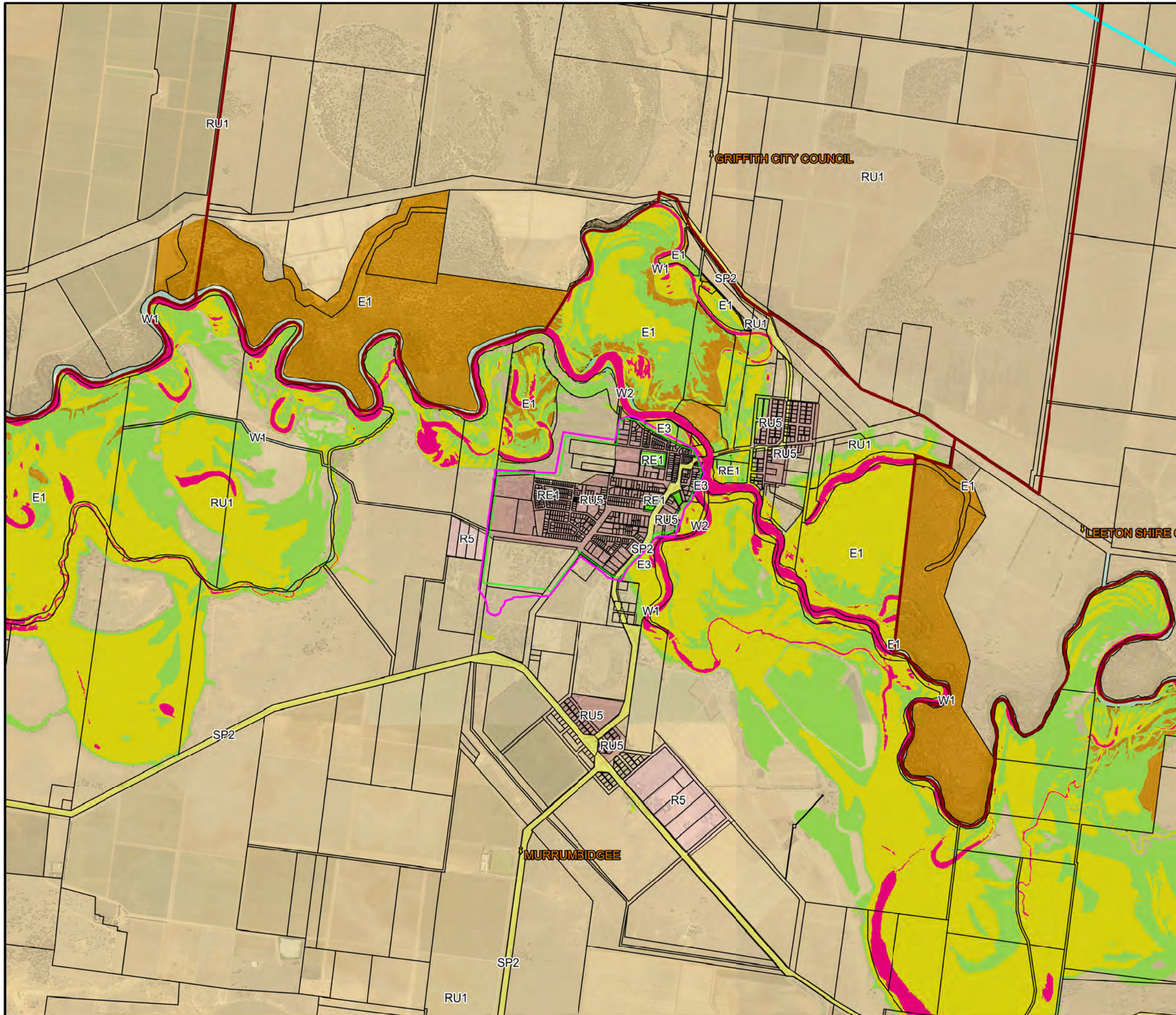
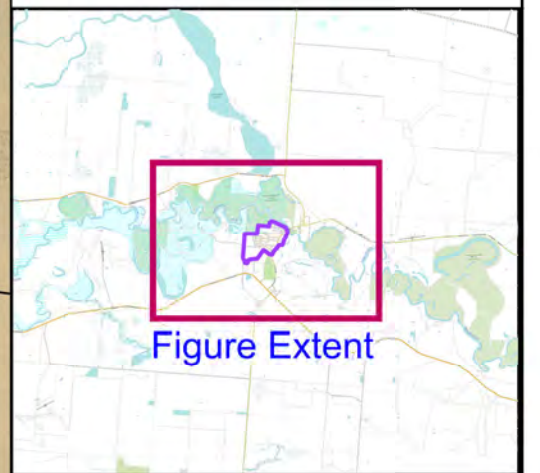
**Figure 41:
High Flood Risk Precinct
in the Extreme
Design flood event**

Prepared By:



File Name: Figure 41 High Flood Risk Precinct Extreme Design flood event WOR

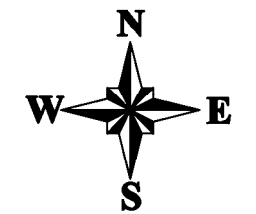




LEGEND

Land Zone	Environmental
Residential	E1
R5	E3
Rural	Waterways
RU1	W1
RU5	W2
Recreation	Special Activities
RE1	SP2
Hazard Category	
H4	
H5	
H6	

Notes:

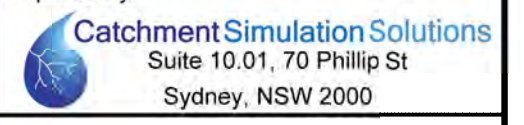


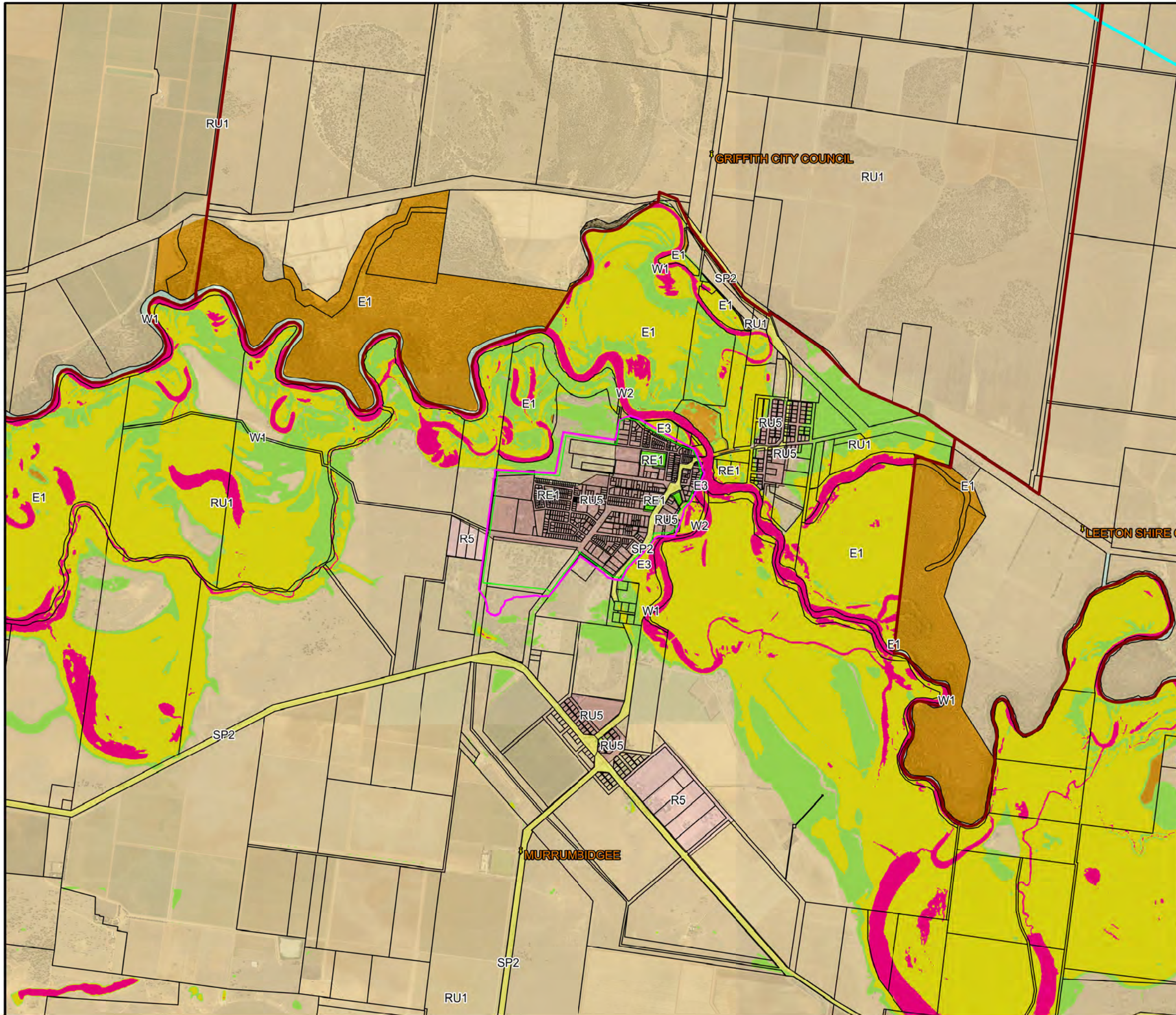
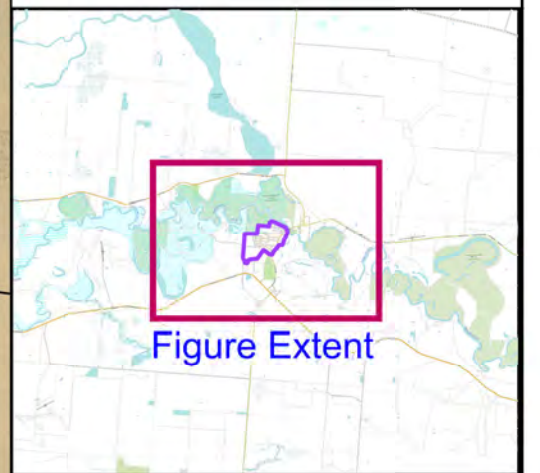
Scale 1:35,000 (at A3)



Figure 42
Compatibility of existing
Land Use with Flood
Hazard for 1% AEP

Prepared By:

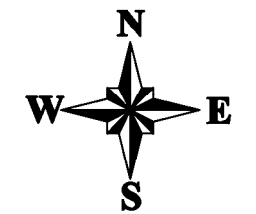




LEGEND

Land Zone	Environmental
Residential	E1
R5	E3
Rural	Waterways
RU1	W1
RU5	W2
Recreation	Special Activities
RE1	SP2
Hazard Category	
H4	
H5	
H6	

Notes:



Scale 1:35,000 (at A3)

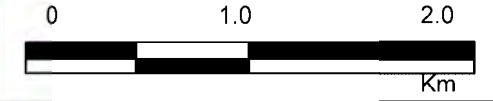


Figure 43
Compatibility of existing
Land Use with Flood Hazard
for Extreme Flood Event

Prepared By:

Catchment Simulation Solutions
Suite 10.01, 70 Phillip St
Sydney, NSW 2000