College, Orth and Werrington Creeks Catchment Overland Flow Flood Study

Final Report

Volume 2 of 2: Figures

June 2017

PENRITH CITY COUNCIL

Catchment Simulation Solutions

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LEGEND

- College, Orth and Werrington Creeks Catchment
- Watercourse
- Railway

Notes:

Aerial photograph date: 2014

N
W E
S

Scale 1:16,000 (at A3)

0 0.5 1.0

Km

Figure 1: College, Orth and Werrington Creeks Catchment

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File Name: Fig1 - Study Area.wor

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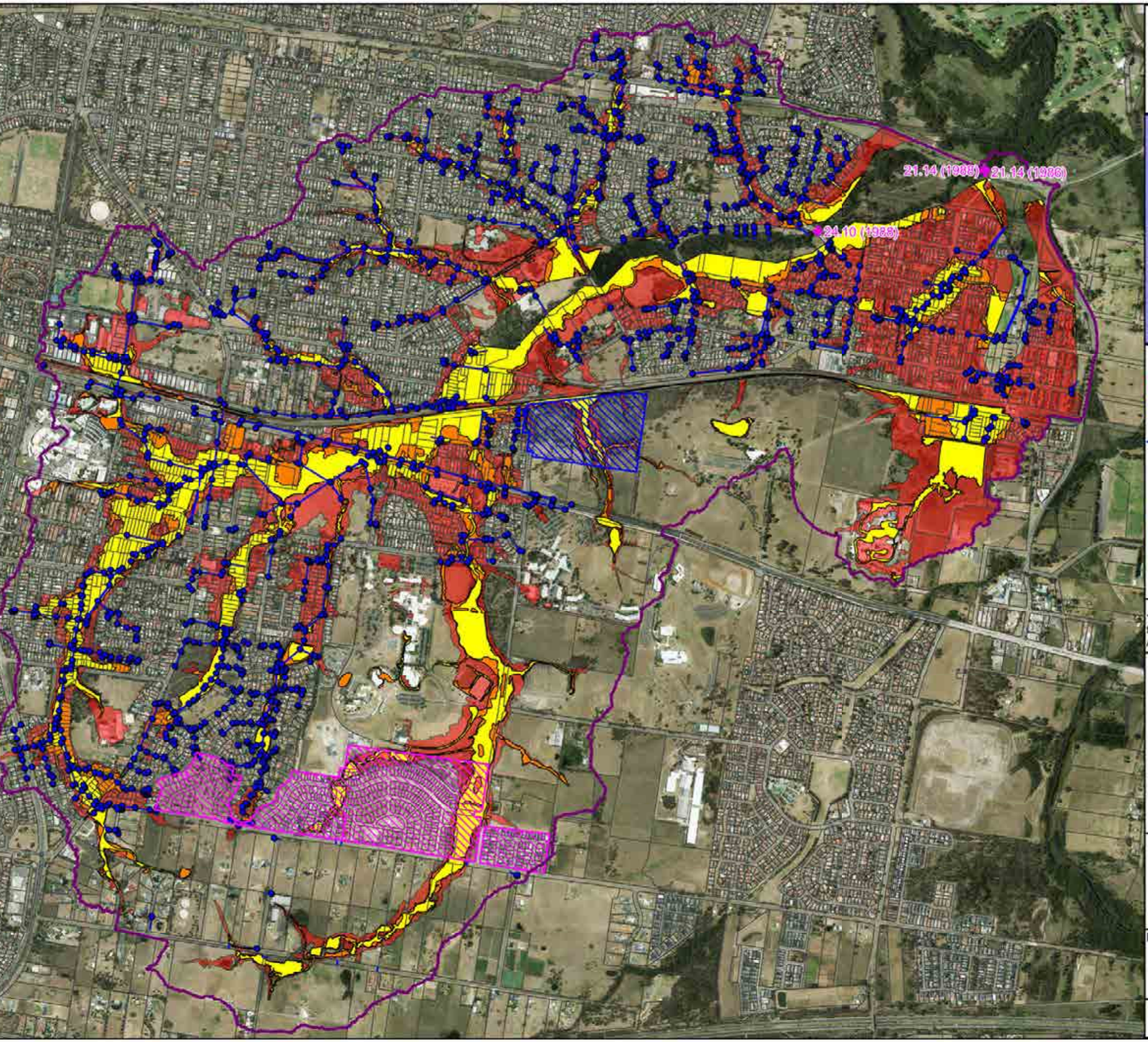

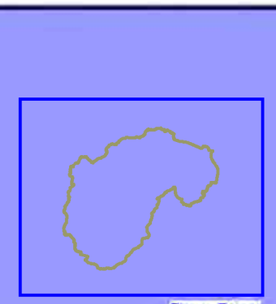

LEGEND

- Caddens Development Area
- French St Development Area
- Stormwater Pit
- Stormwater Pipe
- Historic Flood Marks from Updated South Creek Flood Study (Worley Parsons 2015)
- Overview Study 5% AEP Extent *
- Overview Study 1% AEP Extent *
- Overview Study PMF Extent *

Notes:
* Overview Study results do not include mainstream flooding.
Aerial photograph date: 2014.

N
W E
S

Scale 1:16,000 (at A3)

0 0.5 1
Km

Figure 2
Extent of Available Information

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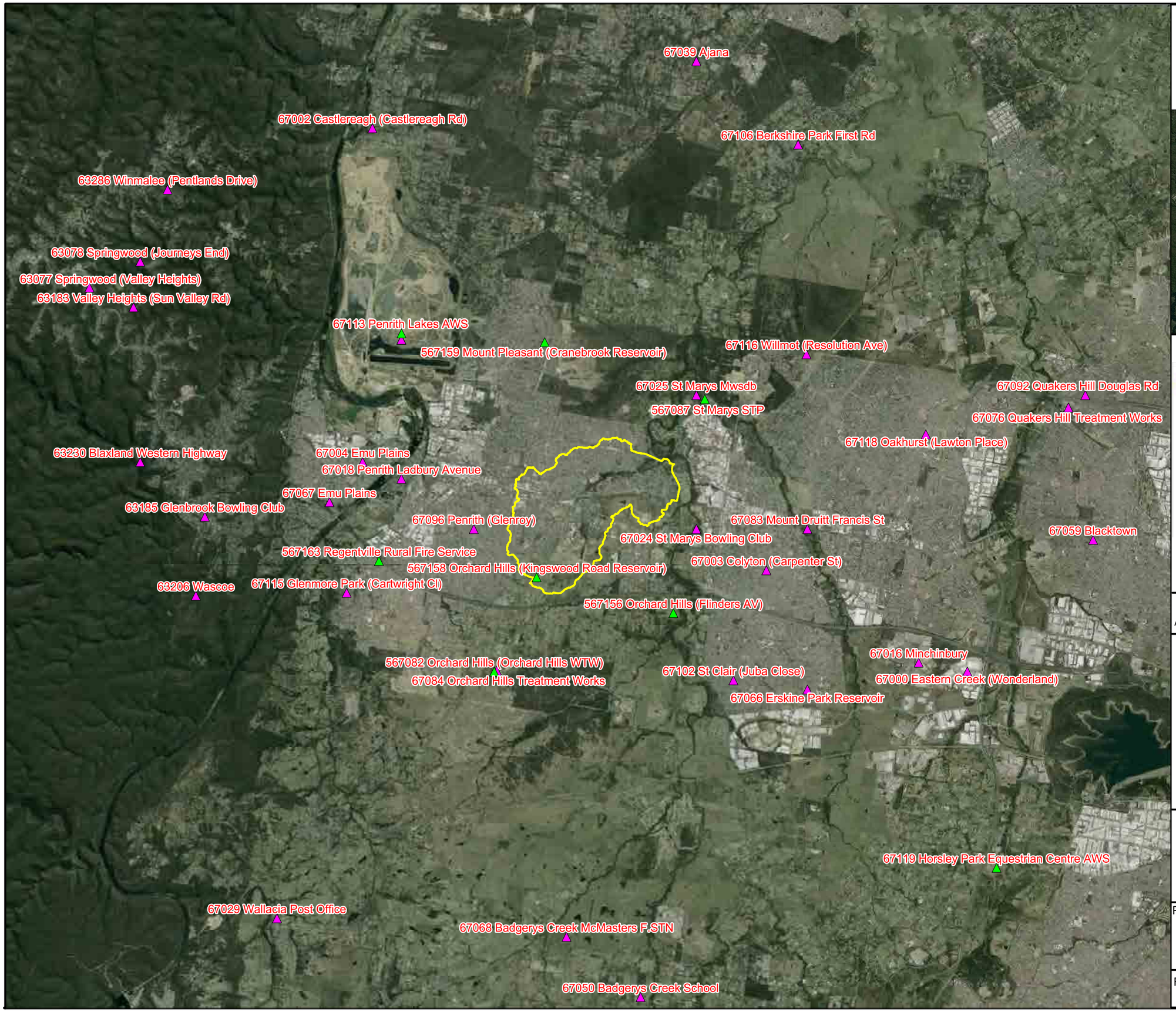
File Name: Fig2 - Extent of Available Information.wor



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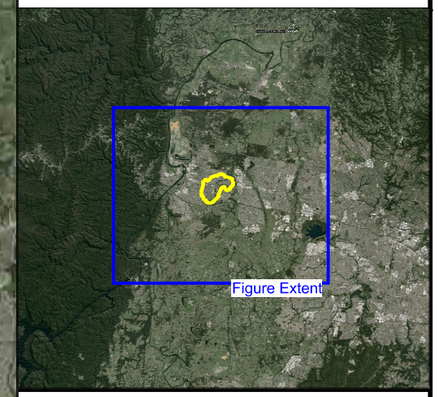

LEGEND

- College, Orth and Werrington Creeks Catchment
- Daily Rainfall Gauge
- Continuous Rainfall Gauge

Notes:

Aerial photograph date: 2014

N
W E
S

Scale 1:100,000 (at A3)

0 2.5 5.0

Km

Figure 3: Location of Rain Gauges

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File Name: Fig3 - Location of Rain Gauges .wor

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Cambridge Park
Werrington County
South Creek
Werrington Creek
Orth Creek
Werrington
Kingswood
College Creek
Claremont Creek
Caddens
Claremont Meadows
Orchard Hills

LEGEND

- College, Orth and Werrington Creeks Catchment
- DEM extracted from 2002 LiDAR
- DEM based on Design Plans
- DEM based on Work as Executed Survey

Elevation (mAHD)

	10		50
	20		60
	30		70
	40		>= 80

Notes:

Aerial photograph date: 2014
DEM based on 2011 data unless otherwise noted

N
W E
S

Scale 1:16,000 (at A3)

0 0.5 1.0
Km

Figure 4: Digital Elevation Model

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File Name: Fig4 - Digital Elevation Model.wor

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Caddens

Caddens Road

Bringelly Road

Kingswood Road

Montgrove College

Orchard Hills Public School

LEGEND

College, Orth and Werrington Creeks Catchment

Material

- Building
- Water
- Trees
- Grass
- Impervious Area (Concrete and Roads)
- Area Currently Under Construction

Notes:

Aerial photograph date: 2014

N
W E
S

Scale 1:5,000 (at A3)

0 0.1 0.2

Km

Figure 5.1: Remote Sensing Land Use Map

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File Name: Fig5.1- Remote Sensing Land Use Map.wor

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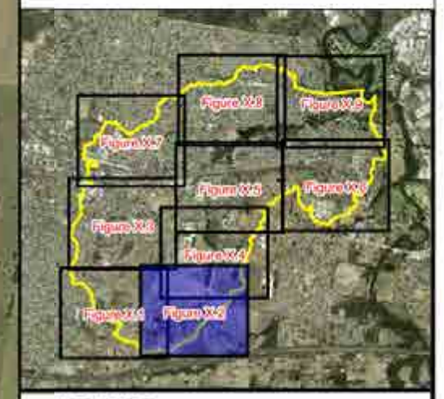

LEGEND

College, Orth and Werrington Creeks Catchment

Material

- Building
- Water
- Trees
- Grass
- Impervious Area (Concrete and Roads)
- Area Currently Under Construction

Notes:

Aerial photograph date: 2014

N W E S

Scale 1:5,000 (at A3)

0 0.1 0.2 Km

Figure 5.2: Remote Sensing Land Use Map

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Sydney, NSW 2000

File Name: Fig5.2- Remote Sensing Land Use Map.wor

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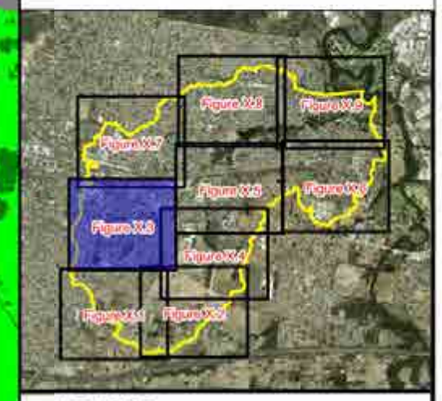

Nepean Hospital
Somerset Street
Jamison Road
Bringelly Road
Kingswood Sports Club
Chapman Gardens
Smith Street
Kingswood High School
Caruarina Circuit

LEGEND

College, Orth and Werrington Creeks Catchment

Material

- Building
- Water
- Trees
- Grass
- Impervious Area (Concrete and Roads)
- Area Currently Under Construction

Notes:

Aerial photograph date: 2014

N
W E
S

Scale 1:5,000 (at A3)

0 0.1 0.2 Km

Figure 5.3: Remote Sensing Land Use Map

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File Name: Fig5.3- Remote Sensing Land Use Map.wor

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Second Ave

Nepean College Kingswood

Western Sydney University

O'Connell Street

LEGEND

College, Orth and Werrington Creeks Catchment

Material

- Building
- Water
- Trees
- Grass
- Impervious Area (Concrete and Roads)
- Area Currently Under Construction

Notes:

Aerial photograph date: 2014

N

W E

S

Scale 1:5,000 (at A3)

0 0.1 0.2

Km

Figure 5.4: Remote Sensing Land Use Map

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Sydney, NSW 2000

File Name: Fig5.4- Remote Sensing Land Use Map.wor

Penrith & Districts
Basketball Association

Cottage Street

George Street

Kingswood

Second Ave

Great Western Highway

Nepean College
Kingswood

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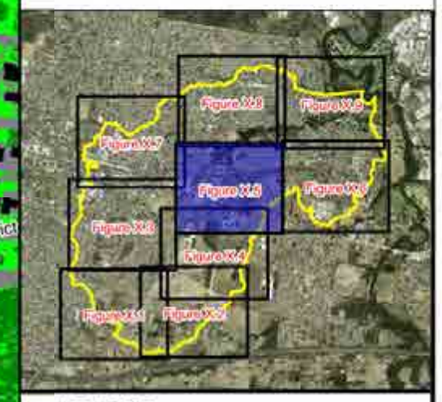

LEGEND

College, Orth and Werrington Creeks Catchment

Material

- Building
- Water
- Trees
- Grass
- Impervious Area (Concrete and Roads)
- Area Currently Under Construction

Notes:

Aerial photograph date: 2014

N
W E
S

Scale 1:5,000 (at A3)

0 0.1 0.2
Km

Figure 5.5:
Remote Sensing
Land Use Map

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File Name: Fig5.5- Remote Sensing Land Use Map.wor

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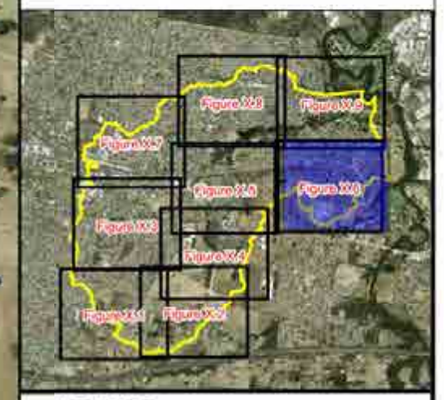

LEGEND

College, Orth and Werrington Creeks Catchment

Material

- Building
- Water
- Trees
- Grass
- Impervious Area (Concrete and Roads)
- Area Currently Under Construction

Notes:

Aerial photograph date: 2014

N
W E
S

Scale 1:5,000 (at A3)

0 0.1 0.2

Km

Figure 5.6: Remote Sensing Land Use Map

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File Name: Fig5.6- Remote Sensing Land Use Map.wor

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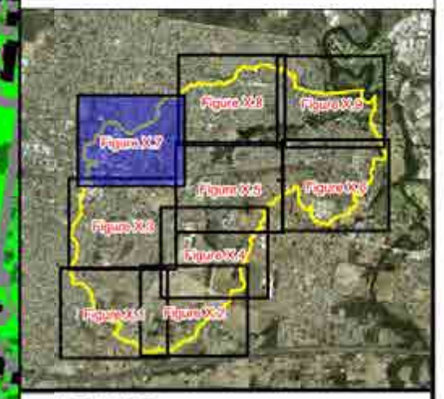

St Dominics College

Cambridge Street

Sandringham Ave

Victoria Street

Great Western Highway

Nepean Hospital

LEGEND

College, Orth and Werrington Creeks Catchment

Material

- Building
- Water
- Trees
- Grass
- Impervious Area (Concrete and Roads)
- Area Currently Under Construction

Notes:

Aerial photograph date: 2014

N W E S

Scale 1:5,000 (at A3)

0 0.1 0.2 Km

Figure 5.7: Remote Sensing Land Use Map

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Sydney, NSW 2000

File Name: Fig5.7- Remote Sensing Land Use Map.wor

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Dunheved Road
Werrington County
Werrington County Shopping Centre
Rugby Street
John Oxley Ave
Burton Street
William Street
Cambridge Park High School
Lake Werrington
Penrith & Districts Basketball Association

LEGEND

College, Orth and Werrington Creeks Catchment

Material

- Building
- Water
- Trees
- Grass
- Impervious Area (Concrete and Roads)
- Area Currently Under Construction

Notes:

Aerial photograph date: 2014

N
W E
S

Scale 1:5,000 (at A3)

0 0.1 0.2 Km

Figure 5.8: Remote Sensing Land Use Map

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File Name: Fig5.8- Remote Sensing Land Use Map.wor

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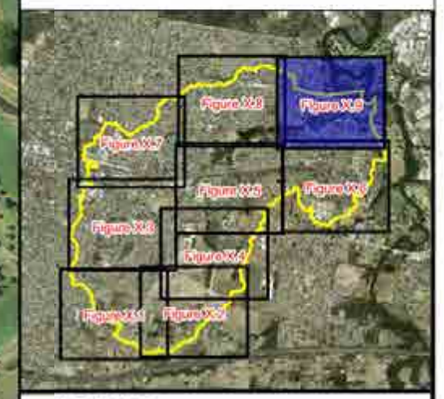

LEGEND

College, Orth and Werrington Creeks Catchment

Material

- Building
- Water
- Trees
- Grass
- Impervious Area (Concrete and Roads)
- Area Currently Under Construction

Notes:

Aerial photograph date: 2014

N
W E
S

Scale 1:5,000 (at A3)

0 0.1 0.2 Km

Figure 5.9: Remote Sensing Land Use Map

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File Name: Fig5.9- Remote Sensing Land Use Map.wor

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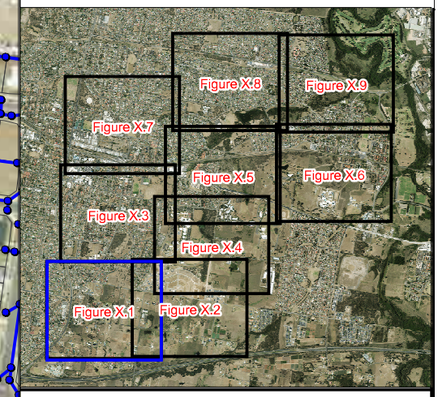

LEGEND

Surveyed Data

- Stormwater Pit
- Stormwater Pipe
- Culvert
- Cross Section
- Bridge

Data Extracted from Plans

- Stormwater Pipe
- Stormwater Pit
- Culvert

Notes:

Aerial photograph date: 2014

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 6.1: Data Collected Specifically for the Study

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File Name: Fig6.1 Data Collected Specifically for the Study.wor

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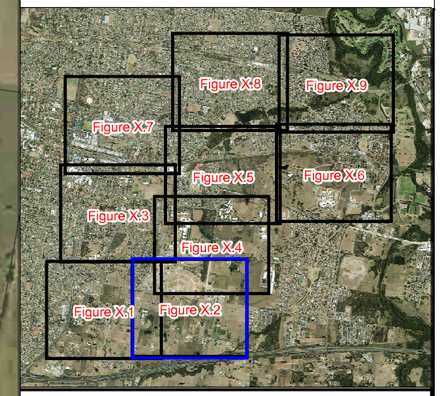

LEGEND

Surveyed Data

- Stormwater Pit
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- Culvert
- Cross Section
- Bridge

Data Extracted from Plans

- Stormwater Pipe
- Stormwater Pit
- Culvert

Notes:

Aerial photograph date: 2014

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 6.2: Data Collected Specifically for the Study

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File Name: Fig6.2 Data Collected Specifically for the Study.wor

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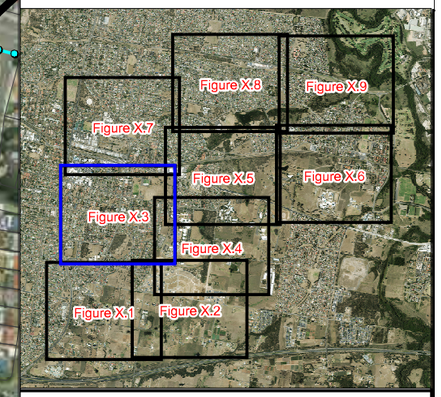

LEGEND

Surveyed Data

- Stormwater Pit
- Stormwater Pipe
- Culvert
- Cross Section
- Bridge

Data Extracted from Plans

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- Stormwater Pit
- Culvert

Notes:

Aerial photograph date: 2014

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 6.3: Data Collected Specifically for the Study

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File Name: Fig6.3 Data Collected Specifically for the Study.wor

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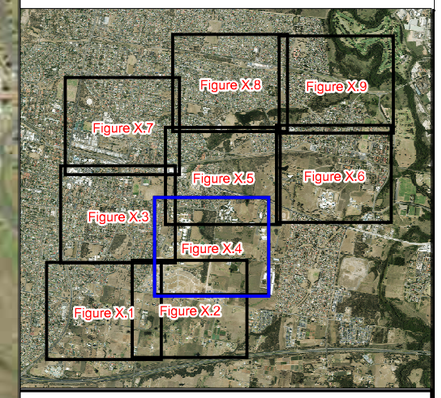

LEGEND

Surveyed Data

- Stormwater Pit
- Stormwater Pipe
- Culvert
- Cross Section
- Bridge

Data Extracted from Plans

- Stormwater Pipe
- Stormwater Pit
- Culvert

Notes:

Aerial photograph date: 2014

N
W E
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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 6.4: Data Collected Specifically for the Study

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File Name: Fig6.4 Data Collected Specifically for the Study.wor

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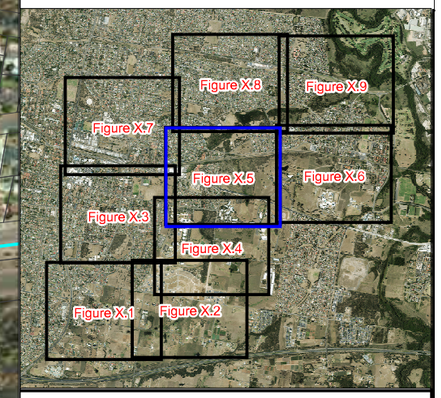

LEGEND

Surveyed Data

- Stormwater Pit
- Stormwater Pipe
- Culvert
- Cross Section
- Bridge

Data Extracted from Plans

- Stormwater Pipe
- Stormwater Pit
- Culvert

Notes:

Aerial photograph date: 2014

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 6.5: Data Collected Specifically for the Study

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File Name: Fig6.5 Data Collected Specifically for the Study.wor

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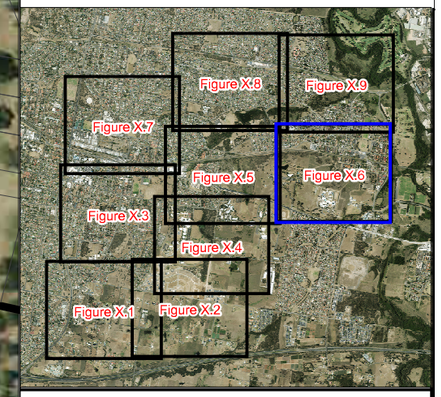

LEGEND

Surveyed Data

- Stormwater Pit
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- Culvert
- Cross Section
- Bridge

Data Extracted from Plans

- Stormwater Pipe
- Stormwater Pit
- Culvert

Notes:

Aerial photograph date: 2014

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 6.6: Data Collected Specifically for the Study

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File Name: Fig6.6 Data Collected Specifically for the Study.wor

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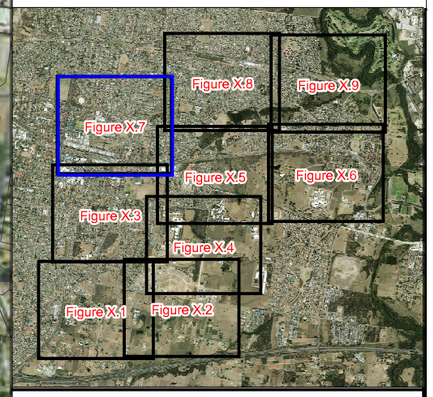

LEGEND

Surveyed Data

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Data Extracted from Plans

- Stormwater Pipe
- Stormwater Pit
- Culvert

Notes:

Aerial photograph date: 2014

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3 Km

Figure 6.7: Data Collected Specifically for the Study

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File Name: Fig6.7 Data Collected Specifically for the Study.wor

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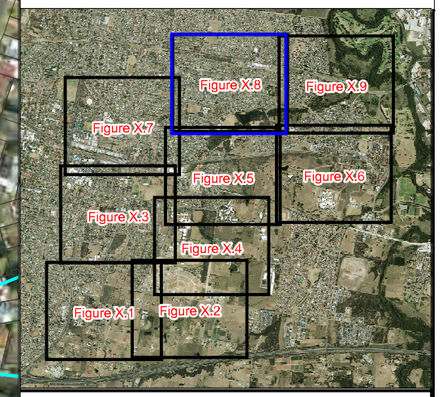

LEGEND

Surveyed Data

- Stormwater Pit
- Stormwater Pipe
- Culvert
- Cross Section
- Bridge

Data Extracted from Plans

- Stormwater Pipe
- Stormwater Pit
- Culvert

Notes:

Aerial photograph date: 2014

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 6.8: Data Collected Specifically for the Study

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Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: Fig6.8 Data Collected Specifically for the Study.wor

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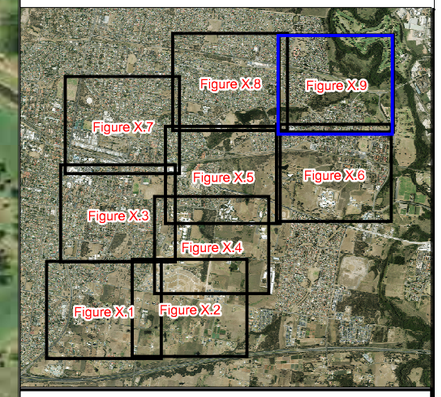
CITY COUNCIL



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Notes:

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N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 6.9: Data Collected Specifically for the Study

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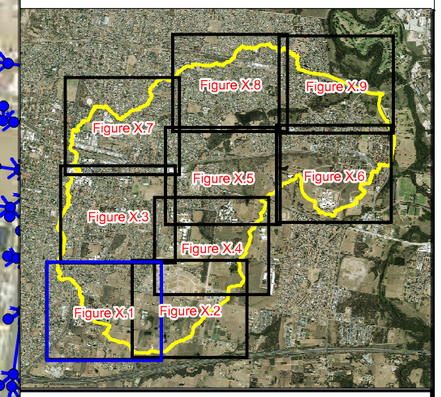


Parker St
Bringelly Road
Caddens Road
Cadda Ridge Drive
Kingswood Road

LEGEND

- 2D Domain
- 1D Channel
- Culvert
- Cross Sections
- Bridge
- Stormwater Pipe
- Stormwater Pit

Notes:

Aerial photograph date: 2014

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

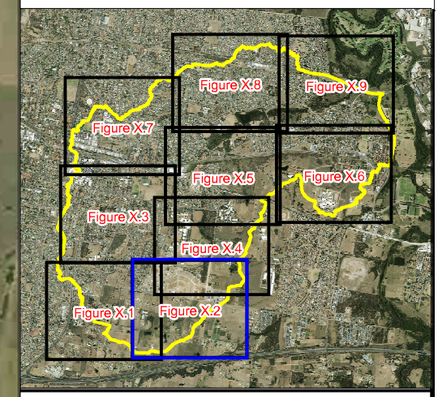
Figure 7.1: TUFLOW Model Layout

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig7.1 TUFLOW Model Layout.wor

PENRITH CITY COUNCIL



LEGEND

- 2D Domain
- 1D Channel
- Culvert
- Cross Sections
- Bridge
- Stormwater Pipe
- Stormwater Pit

Notes:

Aerial photograph date: 2014

N W E S

Scale 1:5,000 (at A3)

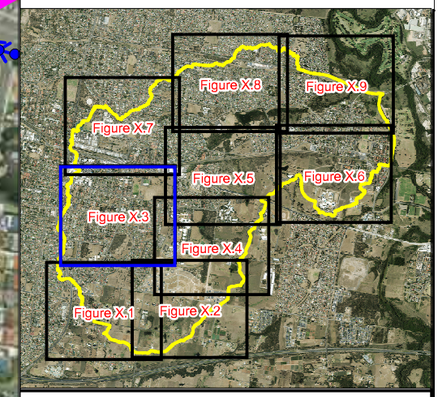
0 0.15 0.3 Km

Figure 7.2: TUFLOW Model Layout

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig7.2 TUFLOW Model Layout.wor

PENRITH CITY COUNCIL



LEGEND

- 2D Domain
- 1D Channel
- Culvert
- Cross Sections
- Bridge
- Stormwater Pipe
- Stormwater Pit

Notes:

Aerial photograph date: 2014

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3

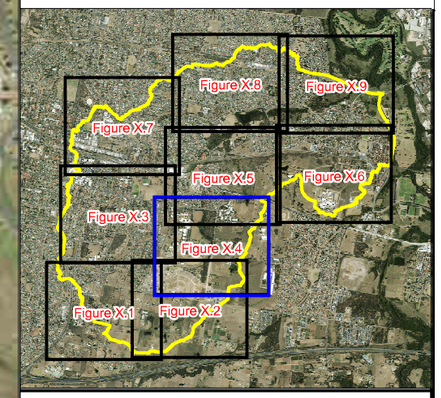
Km

Figure 7.3: TUFLOW Model Layout

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig7.3 TUFLOW Model Layout.wor

PENRITH CITY COUNCIL



LEGEND

- 2D Domain
- 1D Channel
- Culvert
- Cross Sections
- Bridge
- Stormwater Pipe
- Stormwater Pit

Notes:

Aerial photograph date: 2014

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

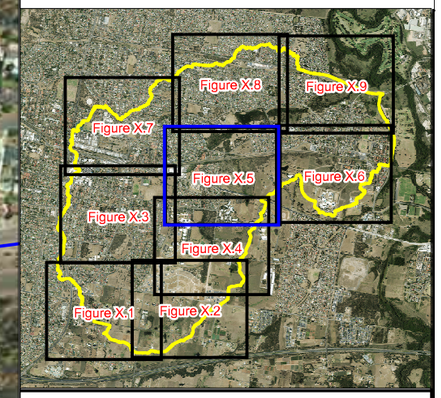
Km

Figure 7.4: TUFLOW Model Layout

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig7.4 TUFLOW Model Layout.wor

PENRITH CITY COUNCIL



LEGEND

- 2D Domain
- 1D Channel
- Culvert
- Cross Sections
- Bridge
- Stormwater Pipe
- Stormwater Pit

Notes:

Aerial photograph date: 2014

N W E S

Scale 1:5,000 (at A3)

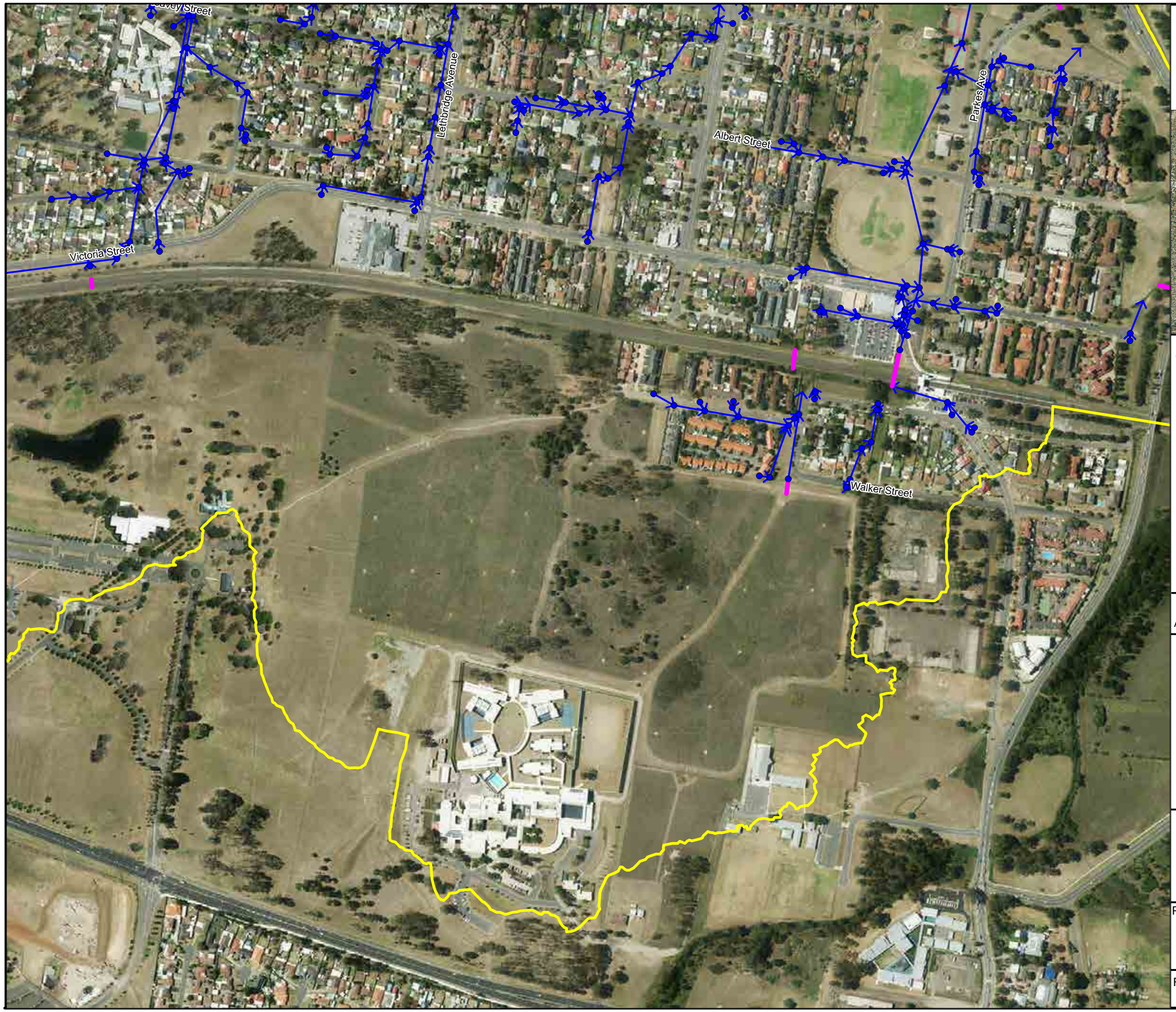
0 0.15 0.3 Km

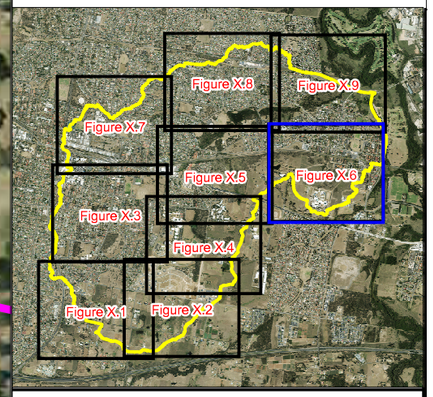
Figure 7.5: TUFLOW Model Layout

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig7.5 TUFLOW Model Layout.wor

PENRITH CITY COUNCIL





LEGEND

- 2D Domain
- 1D Channel
- Culvert
- Cross Sections
- Bridge
- Stormwater Pipe
- Stormwater Pit

Notes:

Aerial photograph date: 2014

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

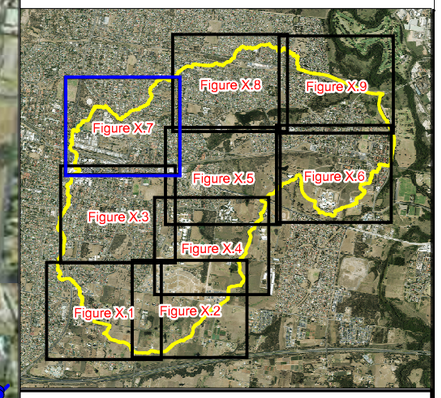
Figure 7.6: TUFLOW Model Layout

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig7.6 TUFLOW Model Layout.wor

PENRITH CITY COUNCIL



LEGEND

- 2D Domain
- 1D Channel
- Culvert
- Cross Sections
- Bridge
- Stormwater Pipe
- Stormwater Pit

Notes:

Aerial photograph date: 2014

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

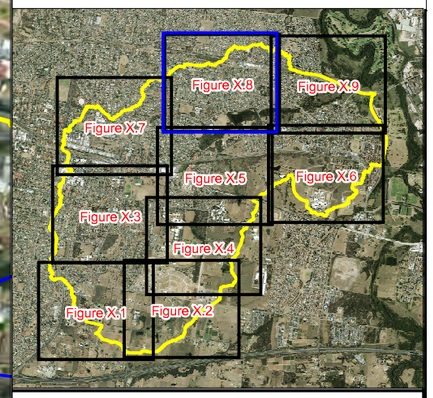
Figure 7.7: TUFLOW Model Layout

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig7.7 TUFLOW Model Layout.wor

PENRITH CITY COUNCIL



LEGEND

- 2D Domain
- 1D Channel
- Culvert
- Cross Sections
- Bridge
- Stormwater Pipe
- Stormwater Pit

Notes:

Aerial photograph date: 2014

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

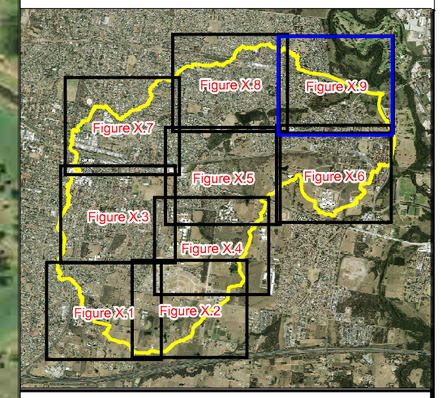
Km

Figure 7.8: TUFLOW Model Layout

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig7.8 TUFLOW Model Layout.wor

PENRITH CITY COUNCIL



LEGEND

- 2D Domain
- 1D Channel
- Culvert
- Cross Sections
- Bridge
- Stormwater Pipe
- Stormwater Pit

Notes:

Aerial photograph date: 2014

N
W E
S

Scale 1:5,000 (at A3)

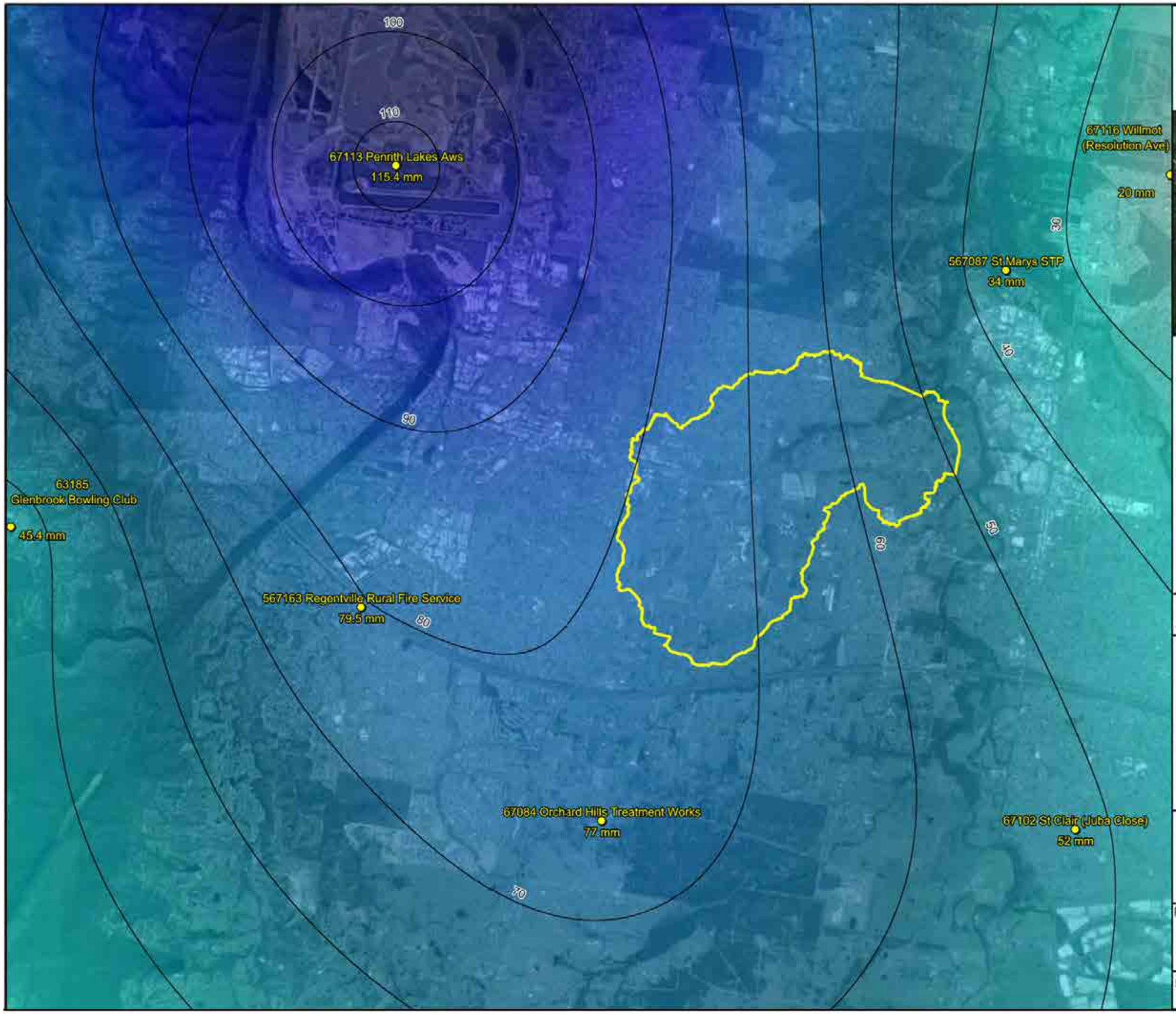
0 0.15 0.3

Km

Figure 7.9: TUFLOW Model Layout

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig7.9 TUFLOW Model Layout.wor



PENRITH CITY COUNCIL

LEGEND

- College, Orth and Werrington Creeks Catchment
- Rainfall Isohyet (mm)
- Gauge Number - Name Rainfall (mm)

Rainfall Depths (mm)

- 20
- 40
- 60
- 80
- 100
- 120

Notes:

Aerial photograph date: 2014

N
W E
S

Scale 1:50,000 (at A3)

0 1.5 3.0

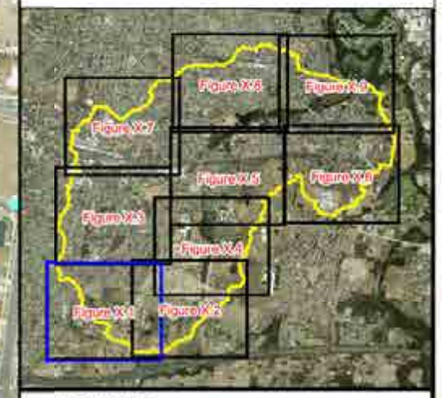
Km

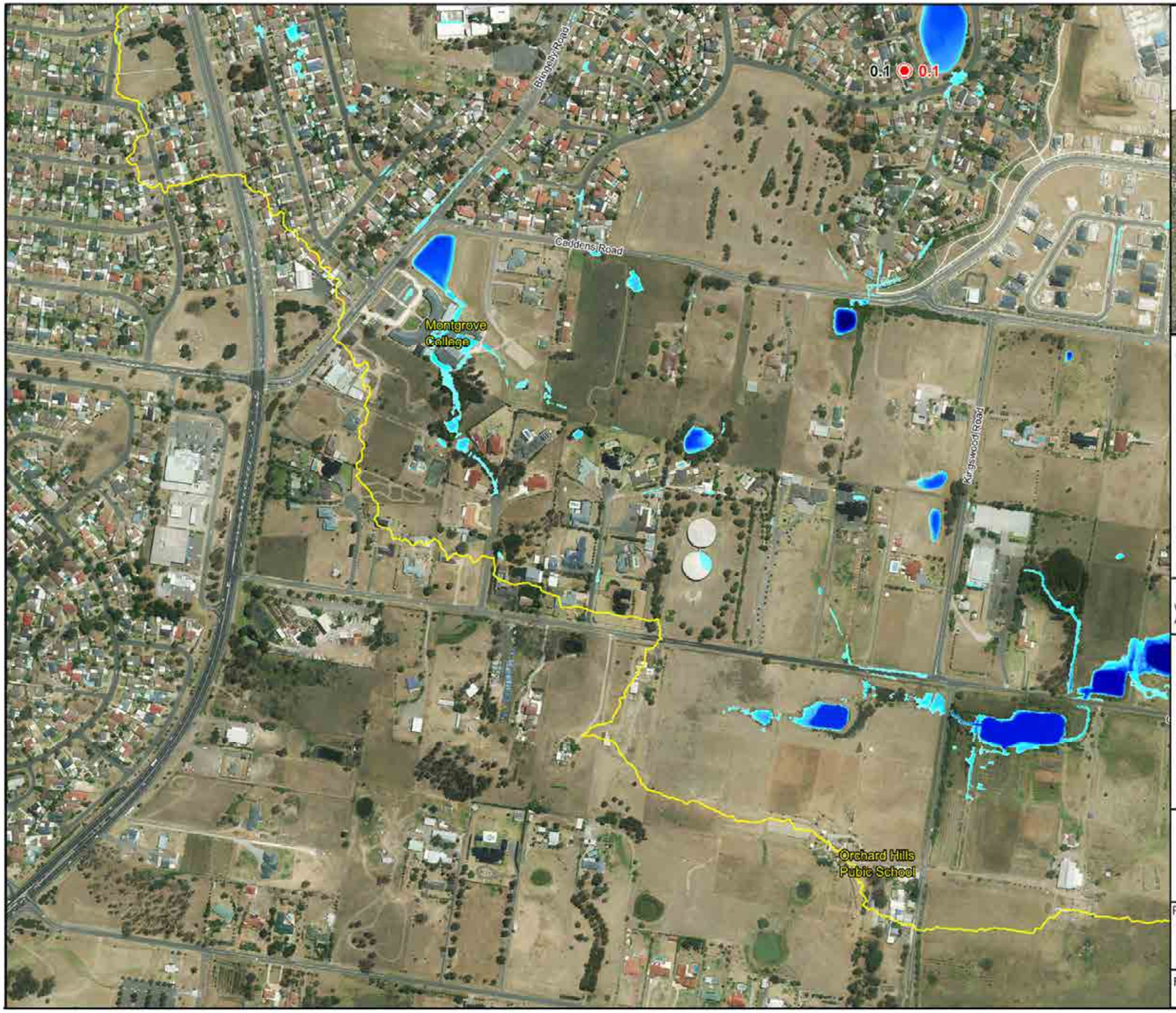
Figure 8: Isohyet Map for 2012 Storm

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Isohyet Map for 2012 Storm.wor

PENRITH CITY COUNCIL





LEGEND

Reported Depth (m) — Simulated Depth (m)

Depths (m)
- 0.1
- 0.2
- 0.3
- 0.5
- 1.0
- 2.0
- 3.0

Notes:

Water depths less than 0.1m not displayed
Aerial photograph date: 2012

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

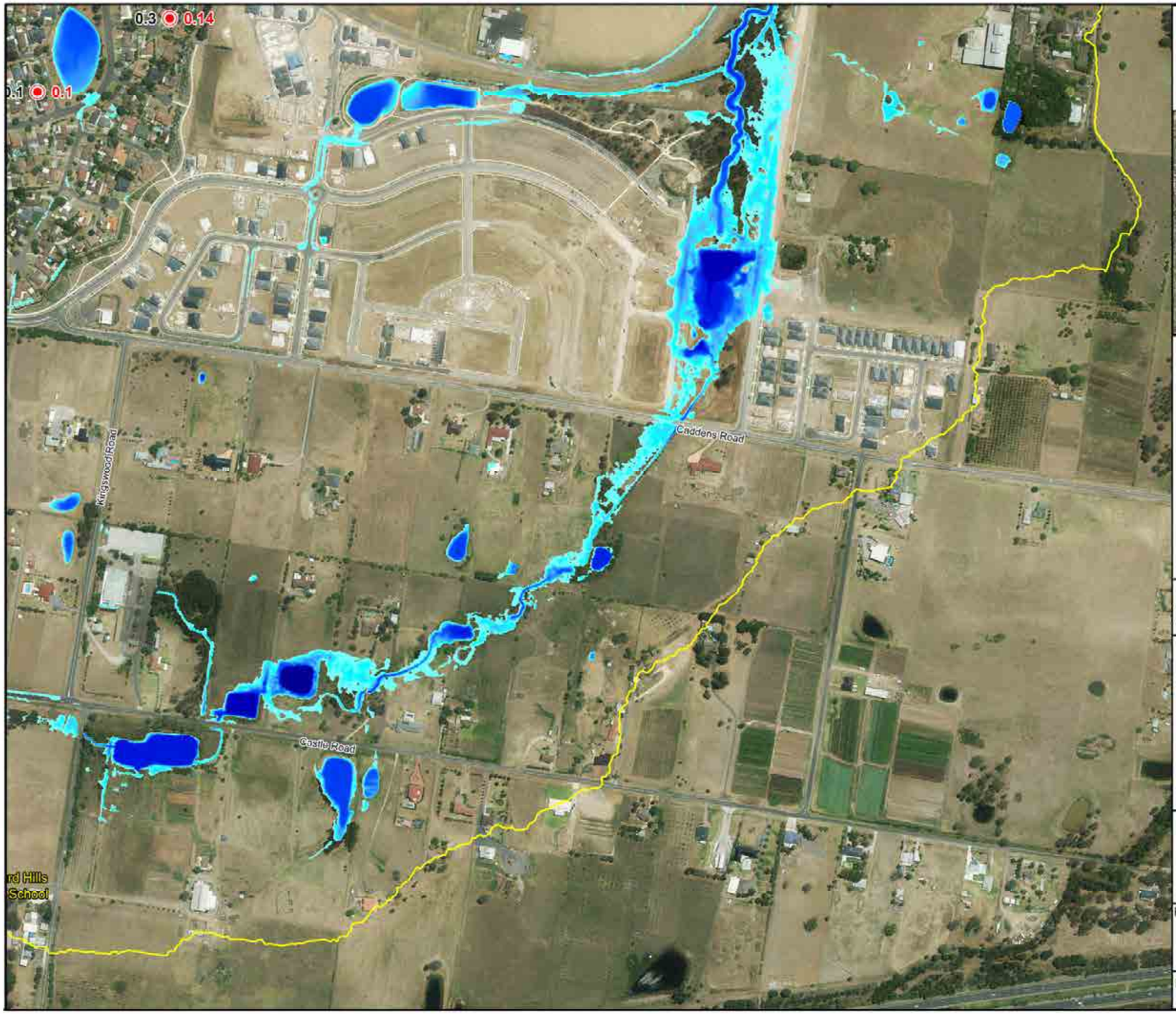
Km

Figure 9.1: Simulated Floodwater Depths for 2012 Flood

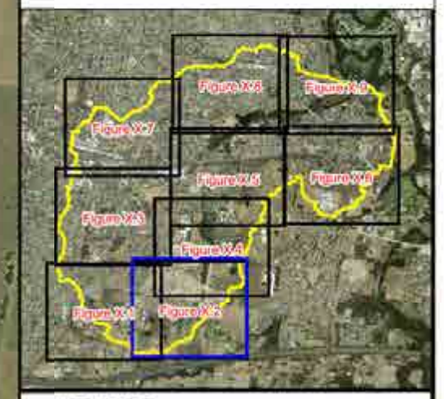
Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig9.1 simulated floodwater depths for 2012.wor



PENRITH
CITY COUNCIL



LEGEND

Reported Depth (m) ◉ Simulated Depth (m)

Depths (m)

- 0.1
- 0.2
- 0.3
- 0.5
- 1.0
- 2.0
- 3.0

Notes:

Water depths less than 0.1m not displayed
Aerial photograph date: 2012

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

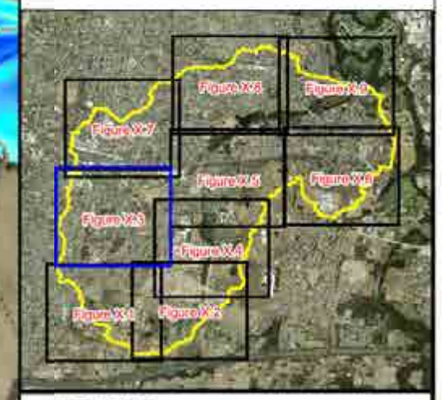
Figure 9.2:
Simulated Floodwater Depths for 2012 Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig9.2 simulated floodwater depths for 2012.wor

PENRITH CITY COUNCIL



Nepean Hospital
Somerset Street
Jamison Road
Bringelly Road
Smith Street
Kingswood High School
Casuarina Circuit
Kingswood Sports Club
Chapman Gardens

0.5 0.47
0.32 0.26
0.1 0.11
0.35 0.24
0.44 0.36
0.08 0.1
0.2 0.18
0.3 0.14

LEGEND

Reported Depth (m) — Simulated Depth (m)

Depths (m)
- 0.1
- 0.2
- 0.3
- 0.5
- 1.0
- 2.0
- 3.0

Notes:
Water depths less than 0.1m not displayed
Aerial photograph date: 2012

N W E S

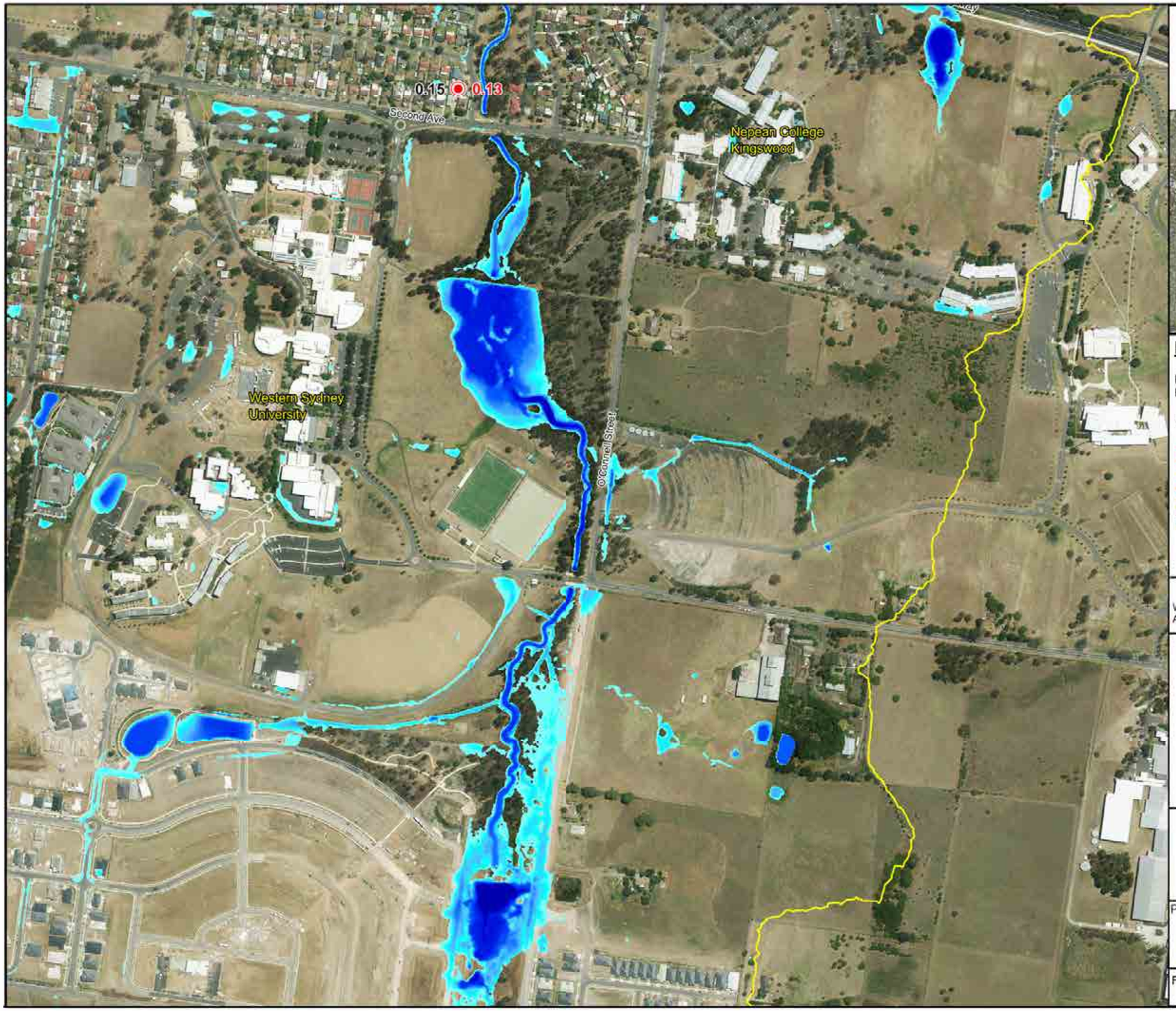
Scale 1:5,000 (at A3)

0 0.15 0.3 Km

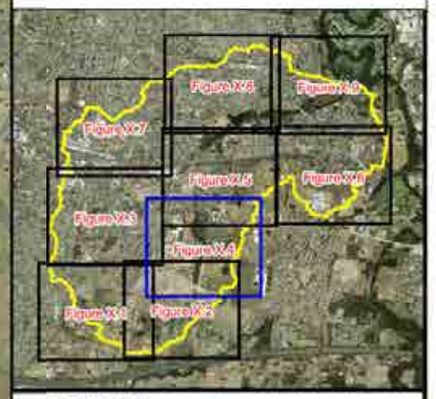
Figure 9.3: Simulated Floodwater Depths for 2012 Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig9.3 simulated floodwater depths for 2012.wor



PENRITH CITY COUNCIL



LEGEND

Reported Depth (m) — Simulated Depth (m)

Depths (m)

- 0.1
- 0.2
- 0.3
- 0.5
- 1.0
- 2.0
- 3.0

Notes:

Water depths less than 0.1m not displayed
Aerial photograph date: 2012

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 9.4: Simulated Floodwater Depths for 2012 Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig9.4 simulated floodwater depths for 2012.wor

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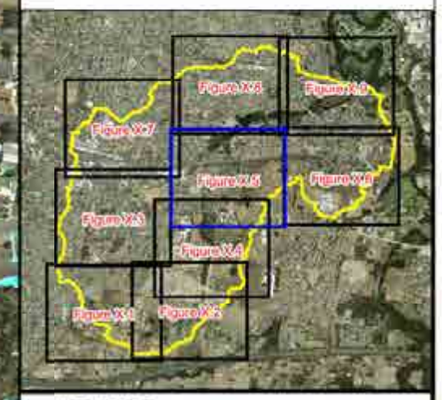


LEGEND

Reported Depth (m) ◉ Simulated Depth (m)

Depths (m)
- 0.1
- 0.2
- 0.3
- 0.5
- 1.0
- 2.0
- 3.0

Notes:

Water depths less than 0.1m not displayed
Aerial photograph date: 2012

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

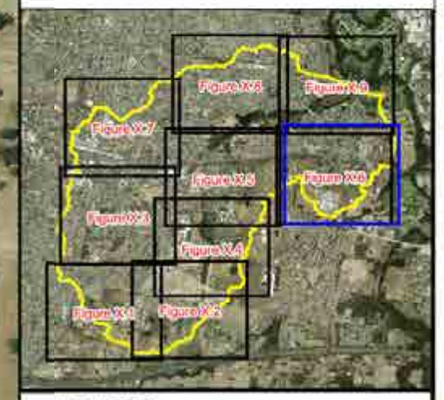
Figure 9.5: Simulated Floodwater Depths for 2012 Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig9.5 simulated floodwater depths for 2012.wor

PENRITH CITY COUNCIL



LEGEND

Reported Depth (m) — Simulated Depth (m)

Depths (m)
- 0.1
- 0.2
- 0.3
- 0.5
- 1.0
- 2.0
- 3.0

Notes:

Water depths less than 0.1m not displayed
Aerial photograph date: 2012

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3 Km

Figure 9.6: Simulated Floodwater Depths for 2012 Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig9.6 simulated floodwater depths for 2012.wor

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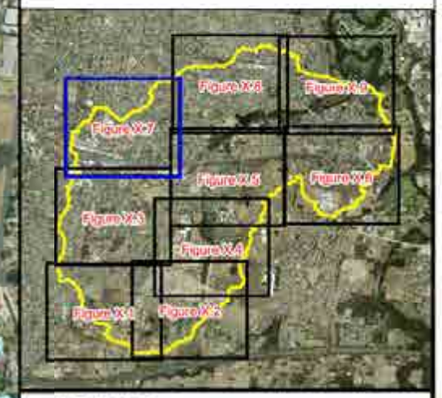


LEGEND

Reported Depth (m) ● Simulated Depth (m)

Depths (m)

- 0.1
- 0.2
- 0.3
- 0.5
- 1.0
- 2.0
- 3.0

Notes:

Water depths less than 0.1m not displayed
Aerial photograph date: 2012

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

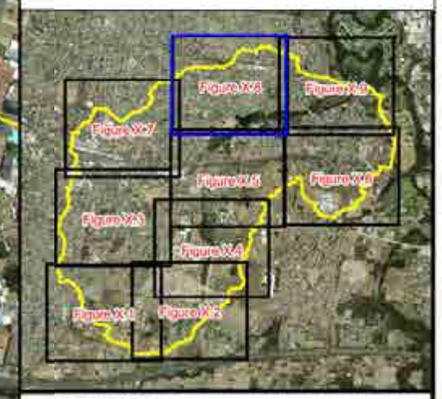
Figure 9.7:
Simulated Floodwater Depths for 2012 Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig9.7 simulated floodwater depths for 2012.wor

St Dominics College
Nepean Hospital
Great Western Highway
Victoria Street
Cambridge Street
Sandringham Ave
0.14
0.11
0.3

PENRITH CITY COUNCIL



LEGEND

Reported Depth (m) ◉ Simulated Depth (m)

Depths (m)
- 0.1
- 0.2
- 0.3
- 0.5
- 1.0
- 2.0
- 3.0

Notes:

Water depths less than 0.1m not displayed
Aerial photograph date: 2012

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 9.8: Simulated Floodwater Depths for 2012 Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig9.8 simulated floodwater depths for 2012.wor

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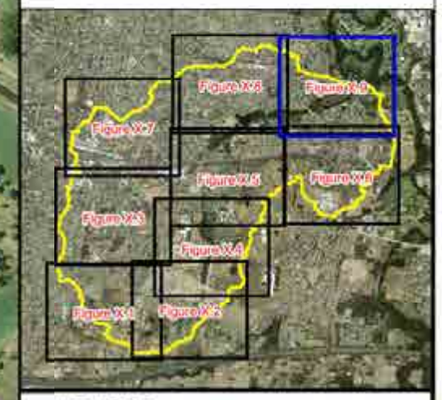

LEGEND

Reported Depth (m) ◉ Simulated Depth (m)

Depths (m)
- 0.1
- 0.2
- 0.3
- 0.5
- 1.0
- 2.0
- 3.0

Notes:

Water depths less than 0.1m not displayed
Aerial photograph date: 2012

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 9.9: Simulated Floodwater Depths for 2012 Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig9.9 simulated floodwater depths for 2012.wor

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67113 Penrith Lakes Aws
92.2 mm

63185 Glenbrook Bowling Club
118.2 mm

567163 Regentville Rural Fire Service
79 mm

67084 Orchard Hills Treatment Works
42 mm

LEGEND

College, Orth and Werrington Creeks Catchment

Rainfall Isohyet (mm)

Gauge Number - Name
Rainfall (mm)

Rainfall Depths (mm)

- 20
- 40
- 60
- 80
- 100
- 120

Notes:

Aerial photograph date: 2014

N
W E
S

Scale 1:50,000 (at A3)

0 1.5 3.0

Km

Figure 10:
Isohyet Map for
2010 Storm

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Isohyet Map for 2010 Storm.wor

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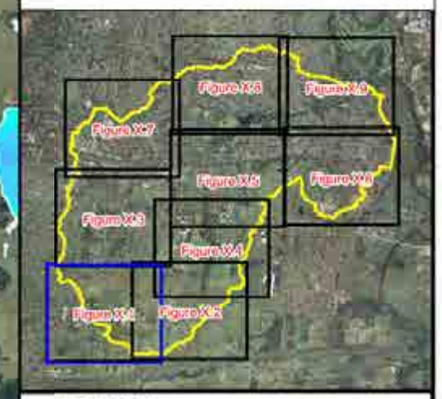

Bringelly Road

Caddens Road

Montgrove College

Kingswood Road

Orchard Hills Pubic School

LEGEND

Reported Depth (m)

Simulated Depth (m)

Depths (m)

- 0.1
- 0.2
- 0.3
- 0.5
- 1.0
- 2.0
- 3.0

Notes:

Water depths less than 0.1m not displayed
Aerial photograph date: 2008

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 11.1: Simulated Floodwater Depths for 2010 Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig11.1 simulated floodwater depths for 2010.wor

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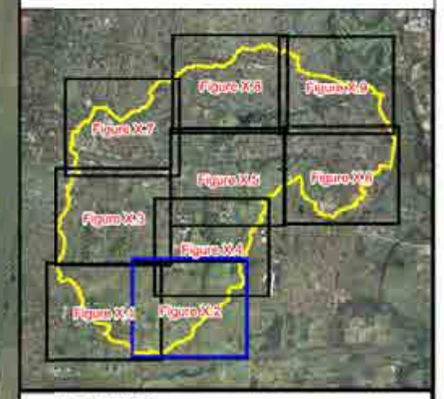


LEGEND

Reported Depth (m) — Simulated Depth (m)

Depths (m)
- 0.1
- 0.2
- 0.3
- 0.5
- 1.0
- 2.0
- 3.0

Notes:

Water depths less than 0.1m not displayed
Aerial photograph date: 2008

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

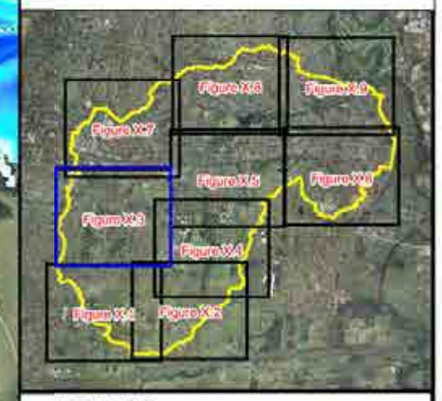
Figure 11.2:
Simulated Floodwater Depths for 2010 Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig11.2 simulated floodwater depths for 2010.wor

PENRITH CITY COUNCIL



Nepean Hospital

Somerset Street

Kingswood Sports Club

Chapman Gardens

0.5 0.49

0.16 0.15

Jamison Road

Burgelly Road

Smith Street

Kingswood High School

Gascoigne Circuit

LEGEND

Reported Depth (m) | Simulated Depth (m)

Depths (m)

- 0.1
- 0.2
- 0.3
- 0.5
- 1.0
- 2.0
- 3.0

Notes:

Water depths less than 0.1m not displayed
Aerial photograph date: 2008

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

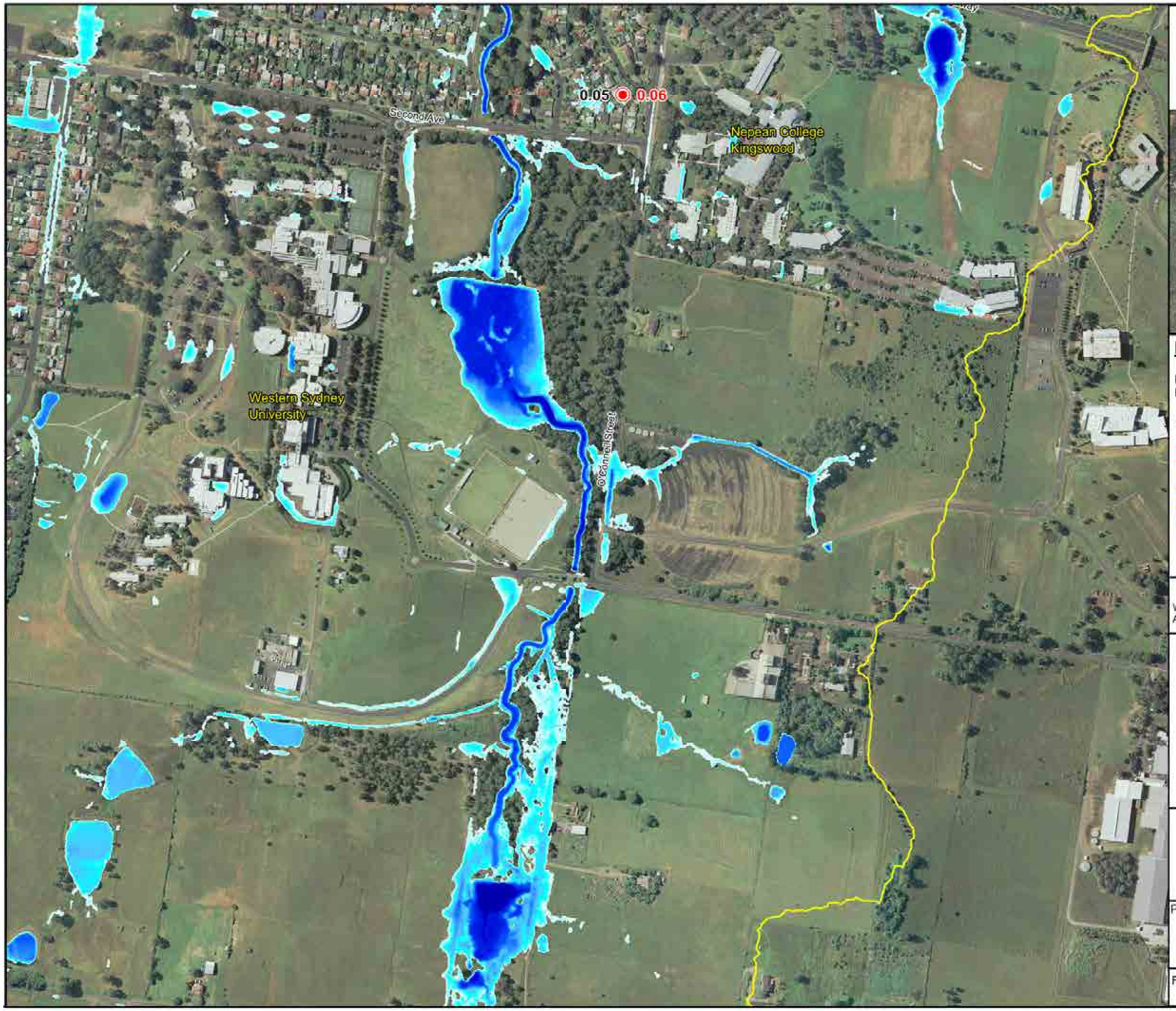
Km

Figure 11.3: Simulated Floodwater Depths for 2010 Flood

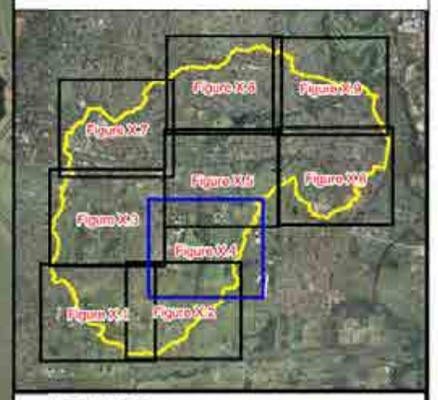
Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig11.3 simulated floodwater depths for 2010.wor



PENRITH CITY COUNCIL



LEGEND

Reported Depth (m) — Simulated Depth (m)

Depths (m)

- 0.1
- 0.2
- 0.3
- 0.5
- 1.0
- 2.0
- 3.0

Notes:

Water depths less than 0.1m not displayed
Aerial photograph date: 2008

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

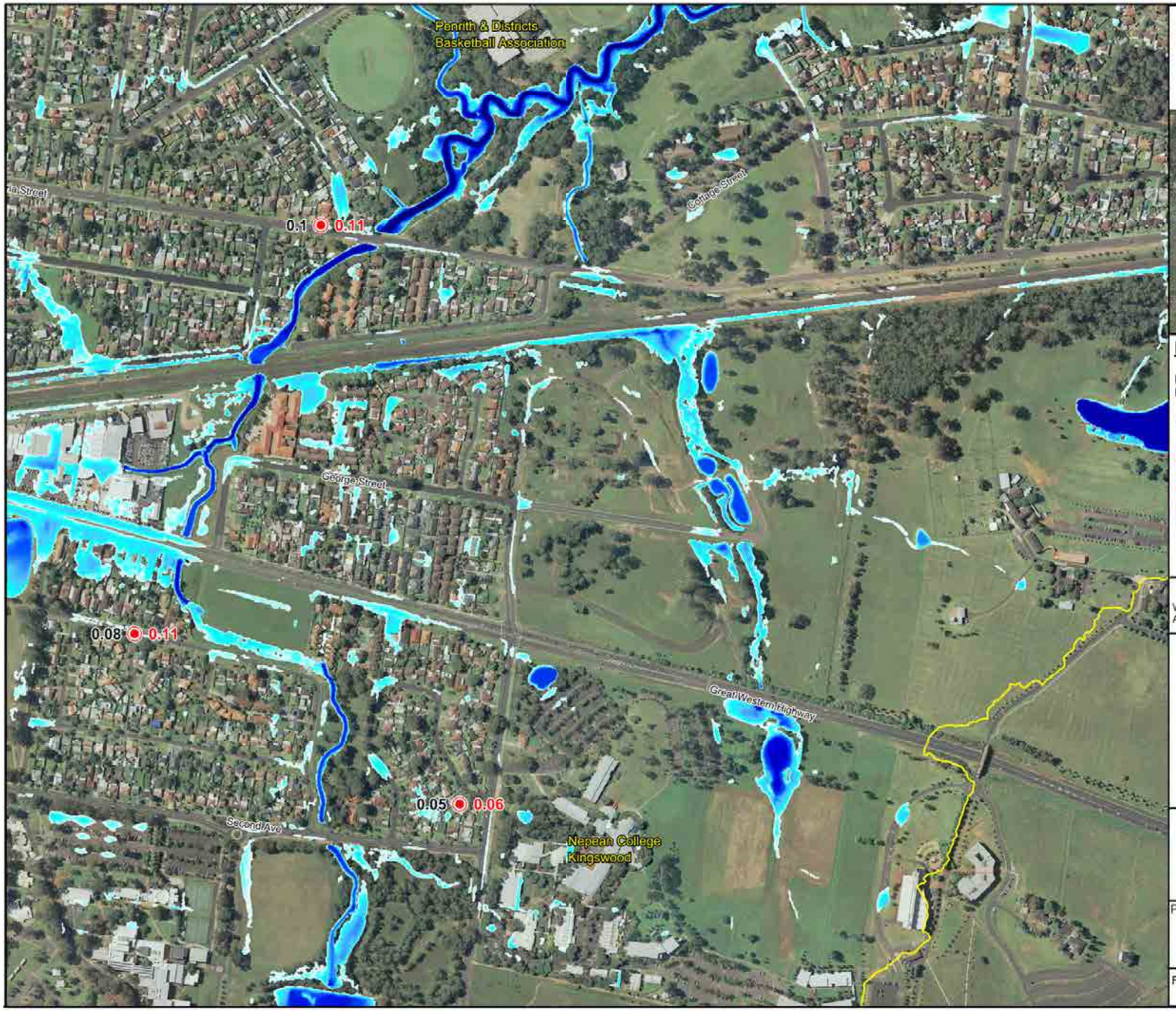
Km

Figure 11.4: Simulated Floodwater Depths for 2010 Flood

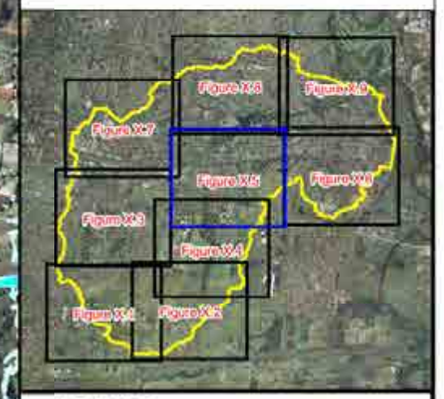
Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig11.4 simulated floodwater depths for 2010.wor



PENRITH CITY COUNCIL



LEGEND

Reported Depth (m) ◉ Simulated Depth (m)

Depths (m)

- 0.1
- 0.2
- 0.3
- 0.5
- 1.0
- 2.0
- 3.0

Notes:

Water depths less than 0.1m not displayed
Aerial photograph date: 2008

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

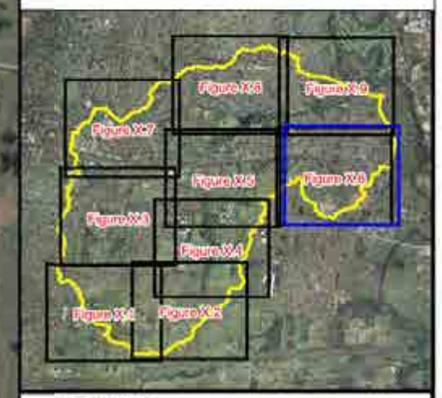
Figure 11.5: Simulated Floodwater Depths for 2010 Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig11.5 simulated floodwater depths for 2010.wor

PENRITH CITY COUNCIL



LEGEND

Reported Depth (m) ◉ Simulated Depth (m)

Depths (m)

- 0.1
- 0.2
- 0.3
- 0.5
- 1.0
- 2.0
- 3.0

Notes:

Water depths less than 0.1m not displayed
Aerial photograph date: 2008

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 11.6: Simulated Floodwater Depths for 2010 Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig11.6 simulated floodwater depths for 2010.wor

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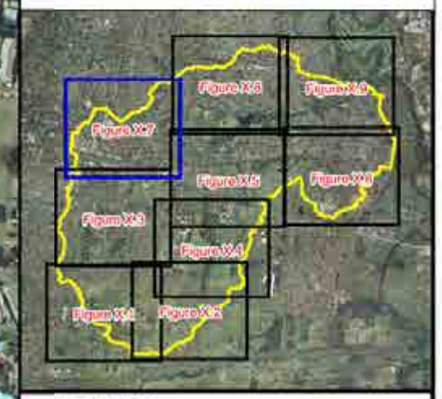

LEGEND

Reported Depth (m) ● Simulated Depth (m)

Depths (m)
- 0.1
- 0.2
- 0.3
- 0.5
- 1.0
- 2.0
- 3.0

Notes:

Water depths less than 0.1m not displayed
Aerial photograph date: 2008

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 11.7: Simulated Floodwater Depths for 2010 Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig11.7 simulated floodwater depths for 2010.wor

PENRITH
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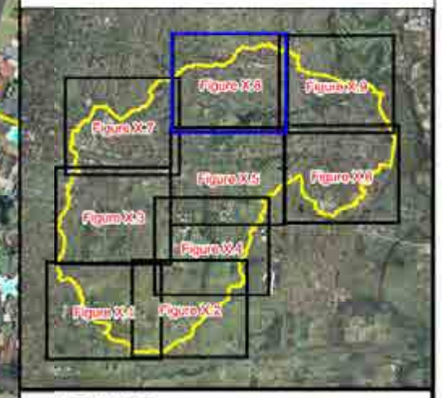

LEGEND

Reported Depth (m) ● Simulated Depth (m)

Depths (m)
- 0.1
- 0.2
- 0.3
- 0.5
- 1.0
- 2.0
- 3.0

Notes:

Water depths less than 0.1m not displayed
Aerial photograph date: 2008

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3
Km

Figure 11.8:
Simulated Floodwater Depths for 2010 Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig11.8 simulated floodwater depths for 2010.wor

PENRITH
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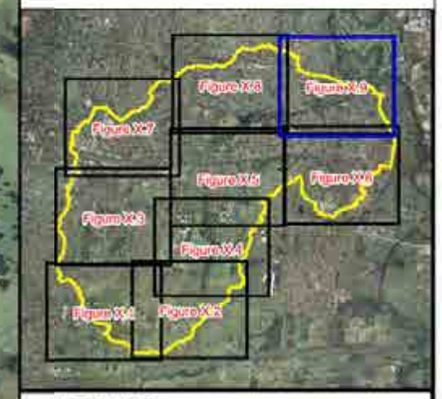

LEGEND

Reported Depth (m) ◉ Simulated Depth (m)

Depths (m)

- 0.1
- 0.2
- 0.3
- 0.5
- 1.0
- 2.0
- 3.0

Notes:

Water depths less than 0.1m not displayed
Aerial photograph date: 2008

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 11.9:
Simulated Floodwater Depths for 2010 Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig11.9 simulated floodwater depths for 2010.wor

PENRITH
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67113 Penrith Lakes Aws
51.6 mm

567087 St Marys STP
35.5 mm

63185 Glenbrook Bowling Club
75.2 mm

567163 Regentville Rural Fire Service
62.5 mm

67102 St Clair (Juba Close)
28 mm

60
50
40
30
70

LEGEND

- College, Orth and Werrington Creeks Catchment
- Rainfall Isohyet (mm)
- Gauge Number - Name
  Rainfall (mm)

Rainfall Depths (mm)
- 20
- 40
- 60
- 80
- 100
- 120

Notes:

Aerial photograph date: 2014

N
W E
S

Scale 1:50,000 (at A3)

0 1.5 3.0

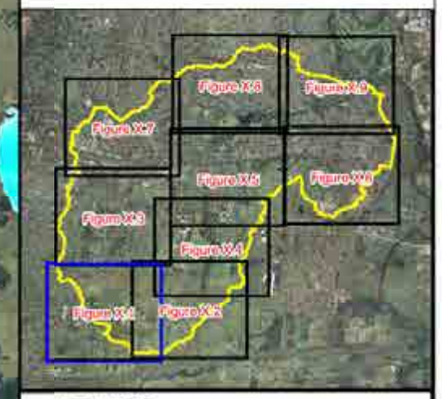
Km

Figure 12:
Isohyet Map for 2011 Storm

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Isohyet Map for 2011 Storm.wor

PENRITH CITY COUNCIL



Bringelly Road

Caddens Road

Montgrove College

Kingswood Road

Orchard Hills Pubic School

LEGEND

Reported Depth (m)

Simulated Depth (m)

Depths (m)

- 0.1
- 0.2
- 0.3
- 0.5
- 1.0
- 2.0
- 3.0

Notes:

Water depths less than 0.1m not displayed
Aerial photograph date: 2008

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

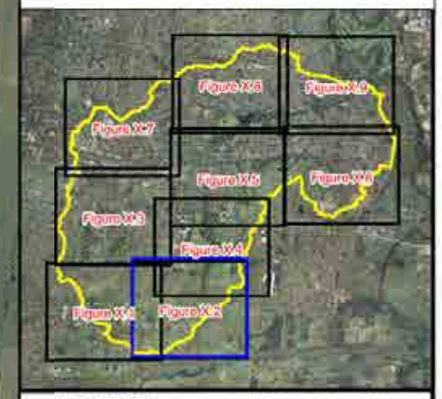
Figure 13.1: Simulated Floodwater Depths for 2011 Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig13.1 simulated floodwater depths for 2011.wor

PENRITH CITY COUNCIL



LEGEND

Reported Depth (m) ● Simulated Depth (m)

Depths (m)
- 0.1
- 0.2
- 0.3
- 0.5
- 1.0
- 2.0
- 3.0

Notes:

Water depths less than 0.1m not displayed
Aerial photograph date: 2008

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

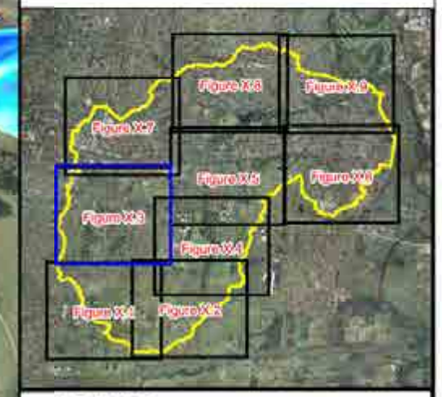
Figure 13.2: Simulated Floodwater Depths for 2011 Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig13.2 simulated floodwater depths for 2011.wor

PENRITH CITY COUNCIL



LEGEND

Reported Depth (m) — Simulated Depth (m)

Depths (m)

- 0.1
- 0.2
- 0.3
- 0.5
- 1.0
- 2.0
- 3.0

Notes:

Water depths less than 0.1m not displayed
Aerial photograph date: 2008

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

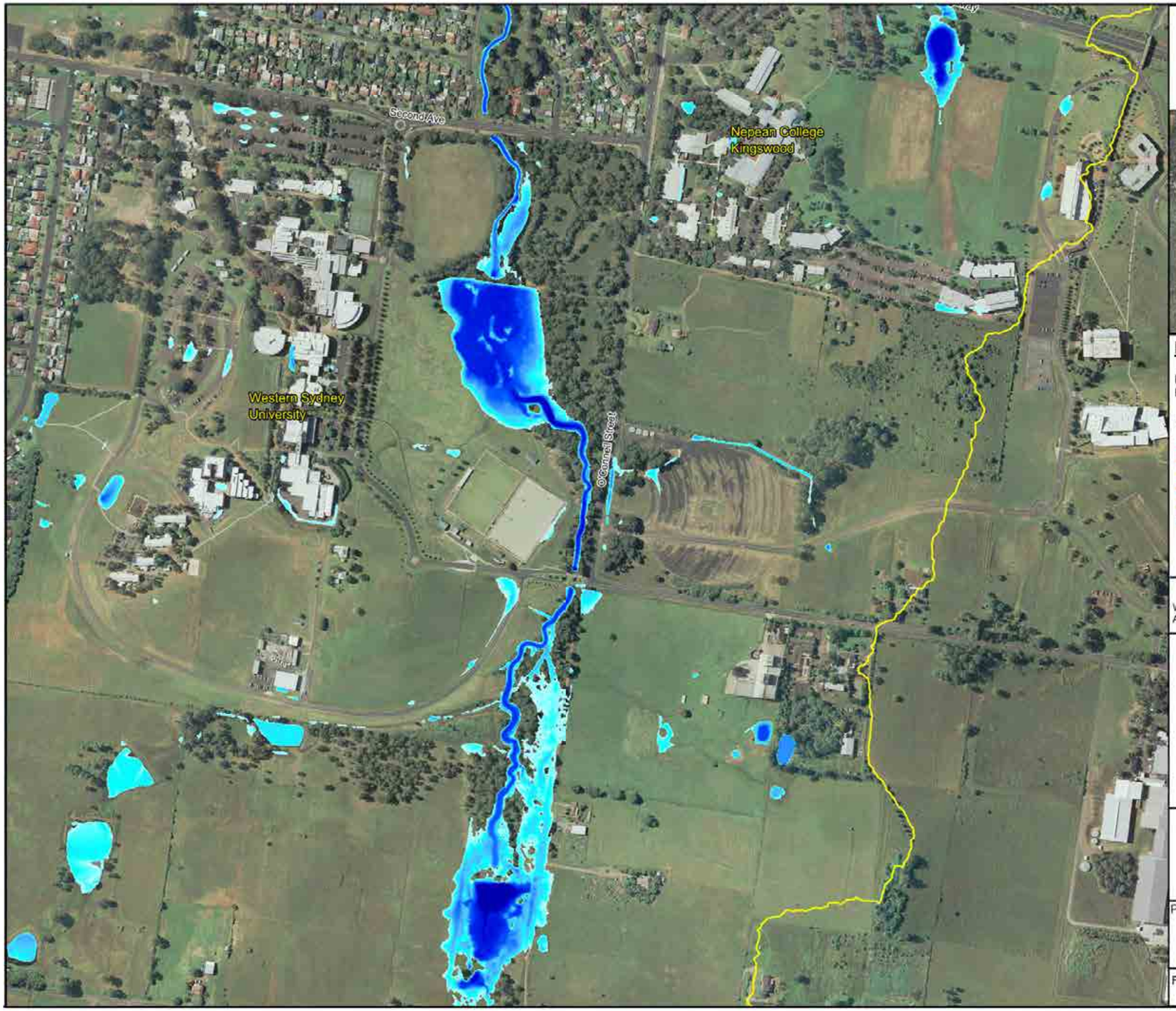
Km

Figure 13.3: Simulated Floodwater Depths for 2011 Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig13.3 simulated floodwater depths for 2011.wor



PENRITH
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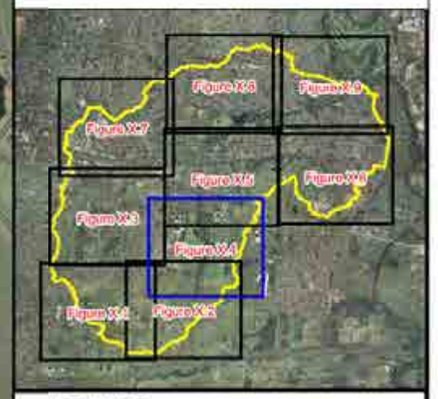


LEGEND

Reported Depth (m) — Simulated Depth (m)

Depths (m)

- 0.1
- 0.2
- 0.3
- 0.5
- 1.0
- 2.0
- 3.0

Notes:

Water depths less than 0.1m not displayed
Aerial photograph date: 2008

N
W E
S

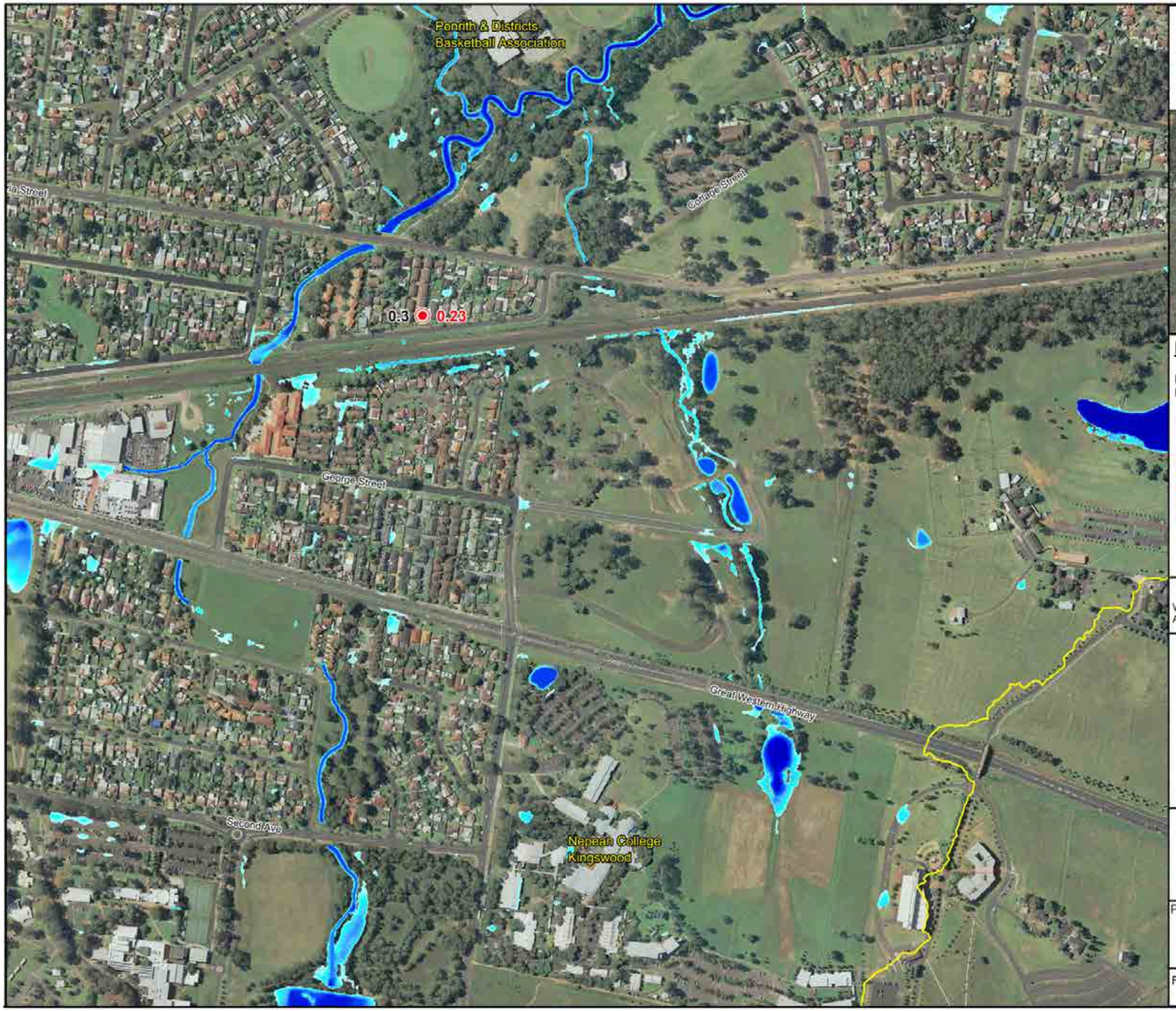
Scale 1:5,000 (at A3)

0 0.15 0.3
Km

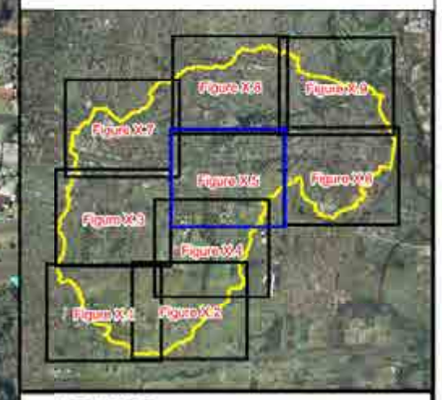
Figure 13.4:
Simulated Floodwater Depths for 2011 Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig13.4 simulated floodwater depths for 2011.wor



PENRITH CITY COUNCIL



LEGEND

Reported Depth (m) — Simulated Depth (m)

Depths (m)

- 0.1
- 0.2
- 0.3
- 0.5
- 1.0
- 2.0
- 3.0

Notes:

Water depths less than 0.1m not displayed
Aerial photograph date: 2008

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3 Km

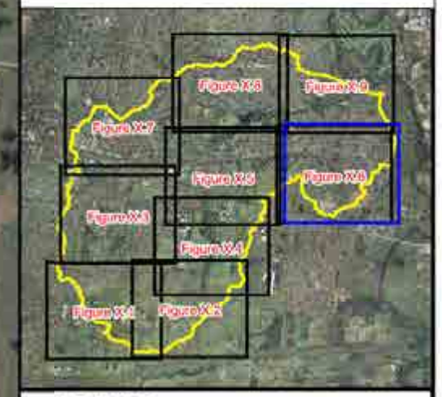
Figure 13.5: Simulated Floodwater Depths for 2011 Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig13.5 simulated floodwater depths for 2011.wor

PENRITH CITY COUNCIL



LEGEND

Reported Depth (m) ◉ Simulated Depth (m)

Depths (m)

- 0.1
- 0.2
- 0.3
- 0.5
- 1.0
- 2.0
- 3.0

Notes:

Water depths less than 0.1m not displayed
Aerial photograph date: 2008

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 13.6: Simulated Floodwater Depths for 2011 Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig13.6 simulated floodwater depths for 2011.wor

PENRITH
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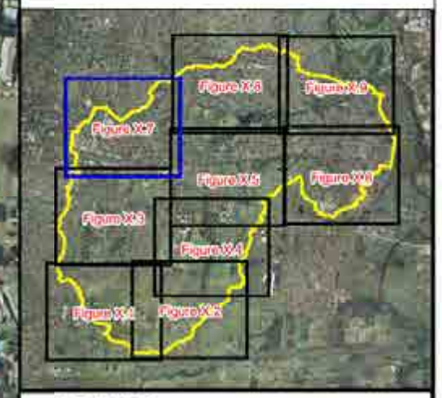


LEGEND

Reported Depth (m)

Simulated Depth (m)

Depths (m)

- 0.1
- 0.2
- 0.3
- 0.5
- 1.0
- 2.0
- 3.0

Notes:

Water depths less than 0.1m not displayed
Aerial photograph date: 2008

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 13.7:
Simulated Floodwater Depths for 2011 Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig13.7 simulated floodwater depths for 2011.wor

St Dominics College

Nepean Hospital

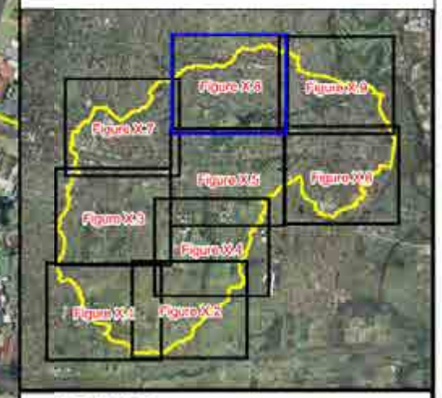
Great Western Highway

Victoria Street

Cambridge Street

Sandringham Ave

PENRITH
CITY COUNCIL



Dunheved Road
Rugby Street
William Street
Burton Street
John Oxley Ave
Werrington County Shopping Centre
Cambridge Park High School
Penrith & Districts Basketball Association
Lake Werrington
0.15

LEGEND

Reported Depth (m)
Simulated Depth (m)

Depths (m)
- 0.1
- 0.2
- 0.3
- 0.5
- 1.0
- 2.0
- 3.0

Notes:

Water depths less than 0.1m not displayed
Aerial photograph date: 2008

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

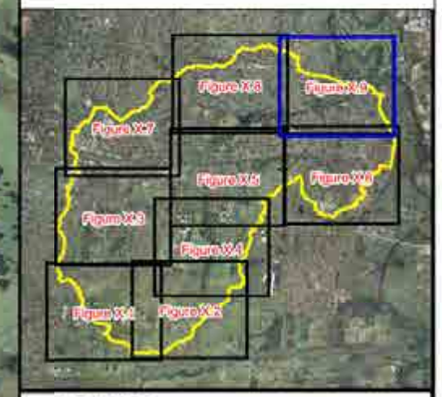
Km

Figure 13.8:
Simulated Floodwater Depths for 2011 Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig13.8 simulated floodwater depths for 2011.wor

PENRITH
CITY COUNCIL



LEGEND

Reported Depth (m) ● Simulated Depth (m)

Depths (m)

- 0.1
- 0.2
- 0.3
- 0.5
- 1.0
- 2.0
- 3.0

Notes:

Water depths less than 0.1m not displayed
Aerial photograph date: 2008

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 13.9:
Simulated Floodwater Depths for 2011 Flood

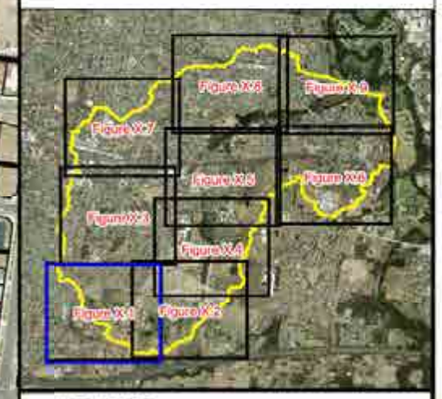
Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig13.9 simulated floodwater depths for 2011.wor

Wernington County Public School
John Oxley Ave
Prince Street
0.15 0.11
Irwin Street
Heavey Street
Wernington Road
38 Ave

PENRITH
CITY COUNCIL



LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 14.1:
Peak Design Floodwater Depths for the 1 in 2 year ARI Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig14.1 Design floodwater depths for the 1 in 2 year ARI Flood.wor

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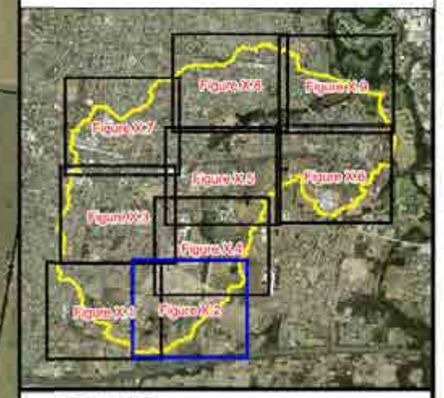

Cadda Ridge Drive
Penrith Baptist Church
O'Connell Lane
Weema St
Caddens Road
Kingswood Road
Castle Road
Ulm Road
rd Hills School

LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 14.2:
Peak Design Floodwater Depths for the 1 in 2 year ARI Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig14.2 Design floodwater depths for the 1 in 2 year ARI Flood.wor

PENRITH
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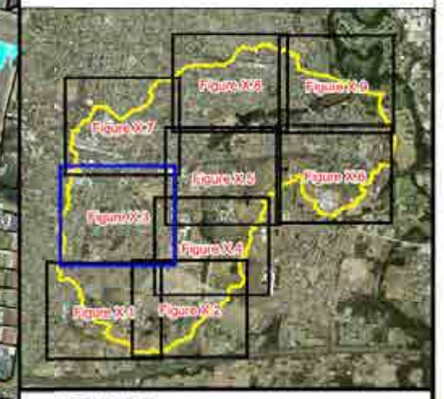

LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 14.3:
Peak Design Floodwater Depths for the 1 in 2 year ARI Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig14.3 Design floodwater depths for the 1 in 2 year ARI Flood.wor

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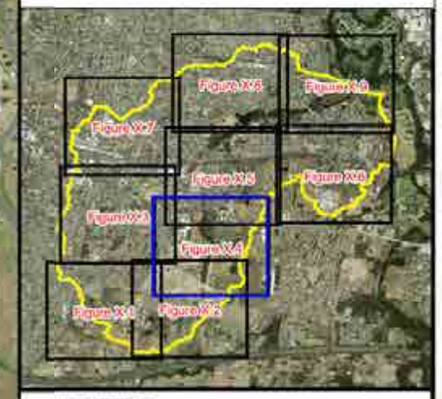

LEGEND

Depths (m)

- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 14.4:
Peak Design Floodwater Depths for the 1 in 2 year ARI Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig14.4 Design floodwater depths for the 1 in 2 year ARI Flood.wor

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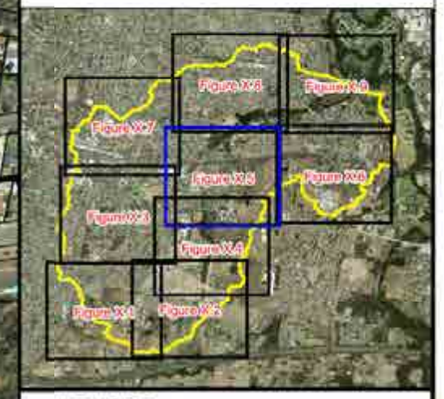

LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 14.5:
Peak Design Floodwater Depths for the 1 in 2 year ARI Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig14.5 Design floodwater depths for the 1 in 2 year ARI Flood.wor

PENRITH
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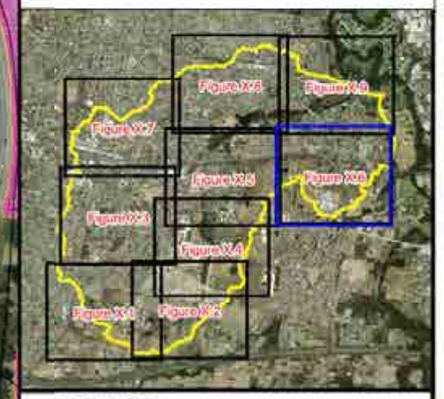


LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

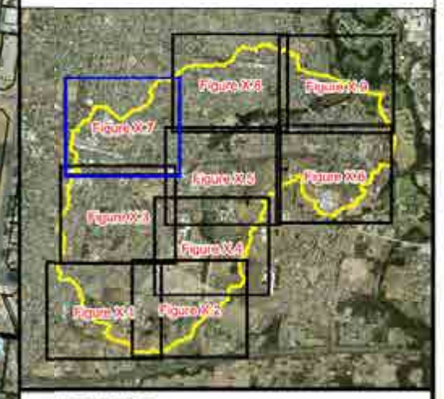
Km

Figure 14.6:
Peak Design Floodwater Depths for the 1 in 2 year ARI Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig14.6 Design floodwater depths for the 1 in 2 year ARI Flood.wor

PENRITH
CITY COUNCIL



LEGEND

Depths (m)

- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

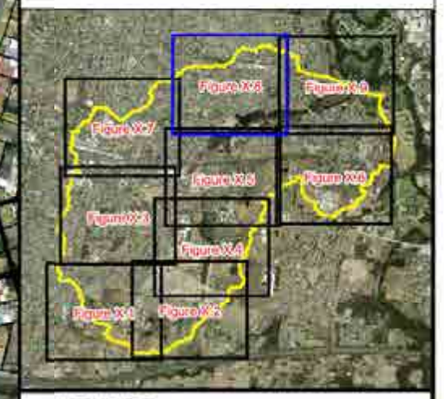
Km

Figure 14.7:
Peak Design Floodwater Depths for the 1 in 2 year ARI Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig14.7 Design floodwater depths for the 1 in 2 year ARI Flood.wor

PENRITH
CITY COUNCIL



LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 14.8:
Peak Design Floodwater Depths for the 1 in 2 year ARI Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig14.8 Design floodwater depths for the 1 in 2 year ARI Flood.wor

PENRITH
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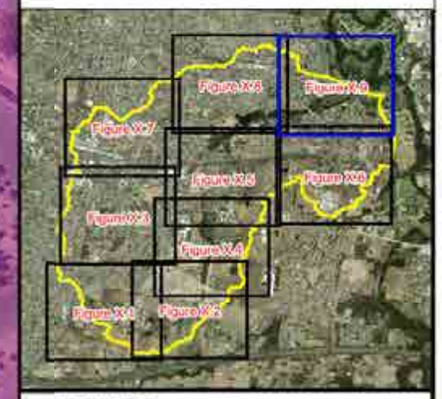

LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 14.9:
Peak Design Floodwater Depths for the 1 in 2 year ARI Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig14.9 Design floodwater depths for the 1 in 2 year ARI Flood.wor

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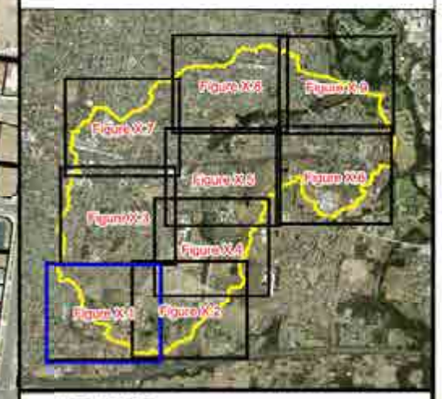

LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 15.1:
Peak Design Floodwater Depths for the 20% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig15.1 Design floodwater depths for 20% AEP.wor

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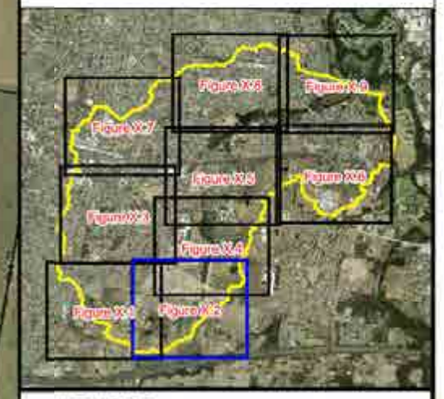


LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

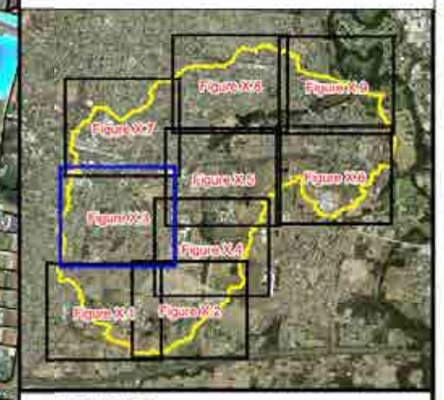
Km

Figure 15.2:
Peak Design Floodwater Depths for the 20% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig15.2 Design floodwater depths for 20% AEP.wor

PENRITH CITY COUNCIL



LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

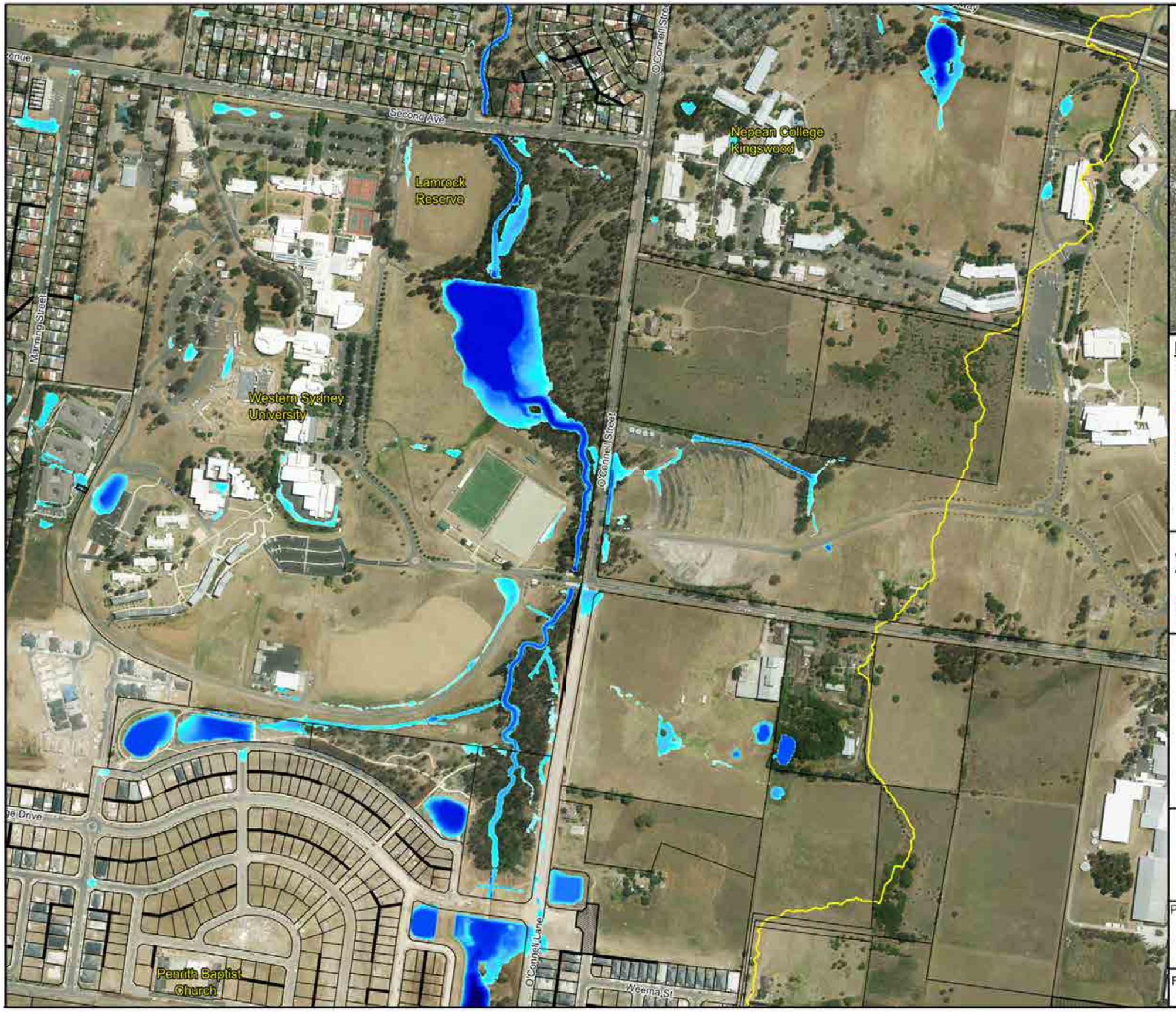
Km

Figure 15.3: Peak Design Floodwater Depths for the 20% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig15.3 Design floodwater depths for 20% AEP.wor



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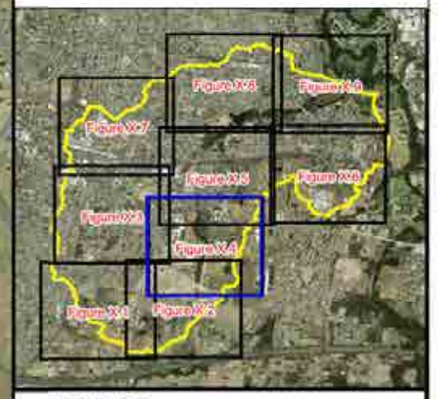

LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 15.4: Peak Design Floodwater Depths for the 20% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig15.4 Design floodwater depths for 20% AEP.wor

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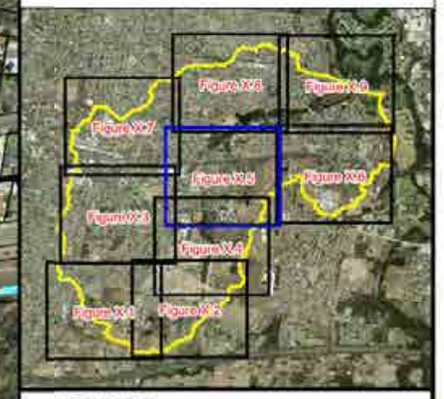

Penrith & Districts Basketball Association

Herbert Street

Victoria Street

Railway

Cottage Street

Burton Street

George Street

Preliminary flood behaviour across this area is based upon design terrain information which may not reflect final topography. Therefore, the results shown in this area are preliminary and subject to further confirmation through the finalisation of the subdivision

O'Connell Street

Great Western Highway

Second Ave

Nepean College Kingswood

Lamrock Reserve

LEGEND

Depths (m)

- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 15.5: Peak Design Floodwater Depths for the 20% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig15.5 Design floodwater depths for 20% AEP.wor

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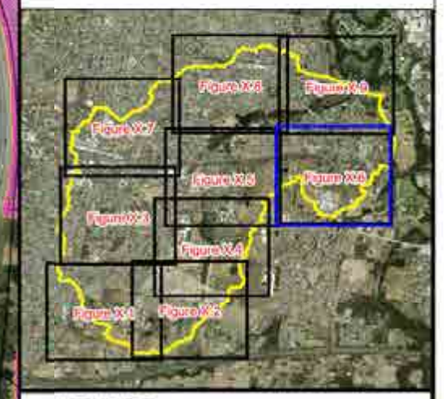

LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 15.6:
Peak Design Floodwater Depths for the 20% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig15.6 Design floodwater depths for 20% AEP.wor

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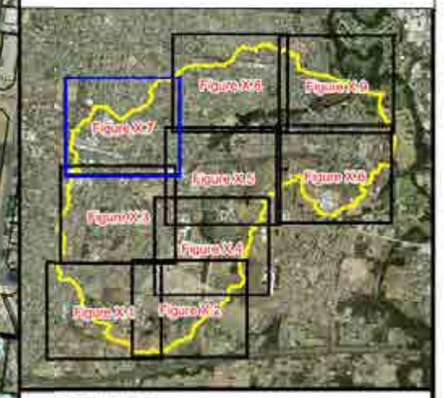


LEGEND

Depths (m)

- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

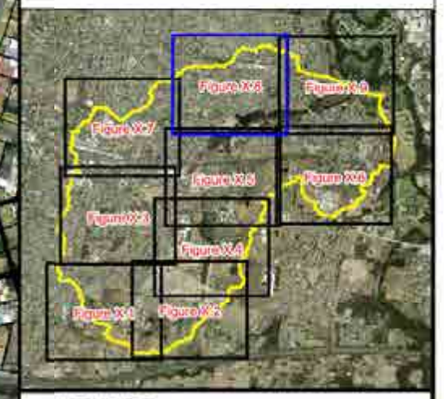
Figure 15.7: Peak Design Floodwater Depths for the 20% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig15.7 Design floodwater depths for 20% AEP.wor

PENRITH CITY COUNCIL



LEGEND

Depths (m)

- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 15.8:
Peak Design Floodwater Depths for the 20% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig15.8 Design floodwater depths for 20% AEP.wor

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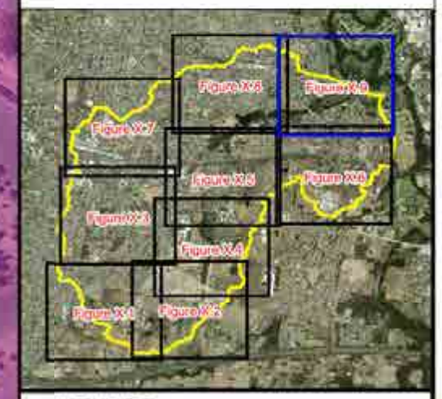


LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

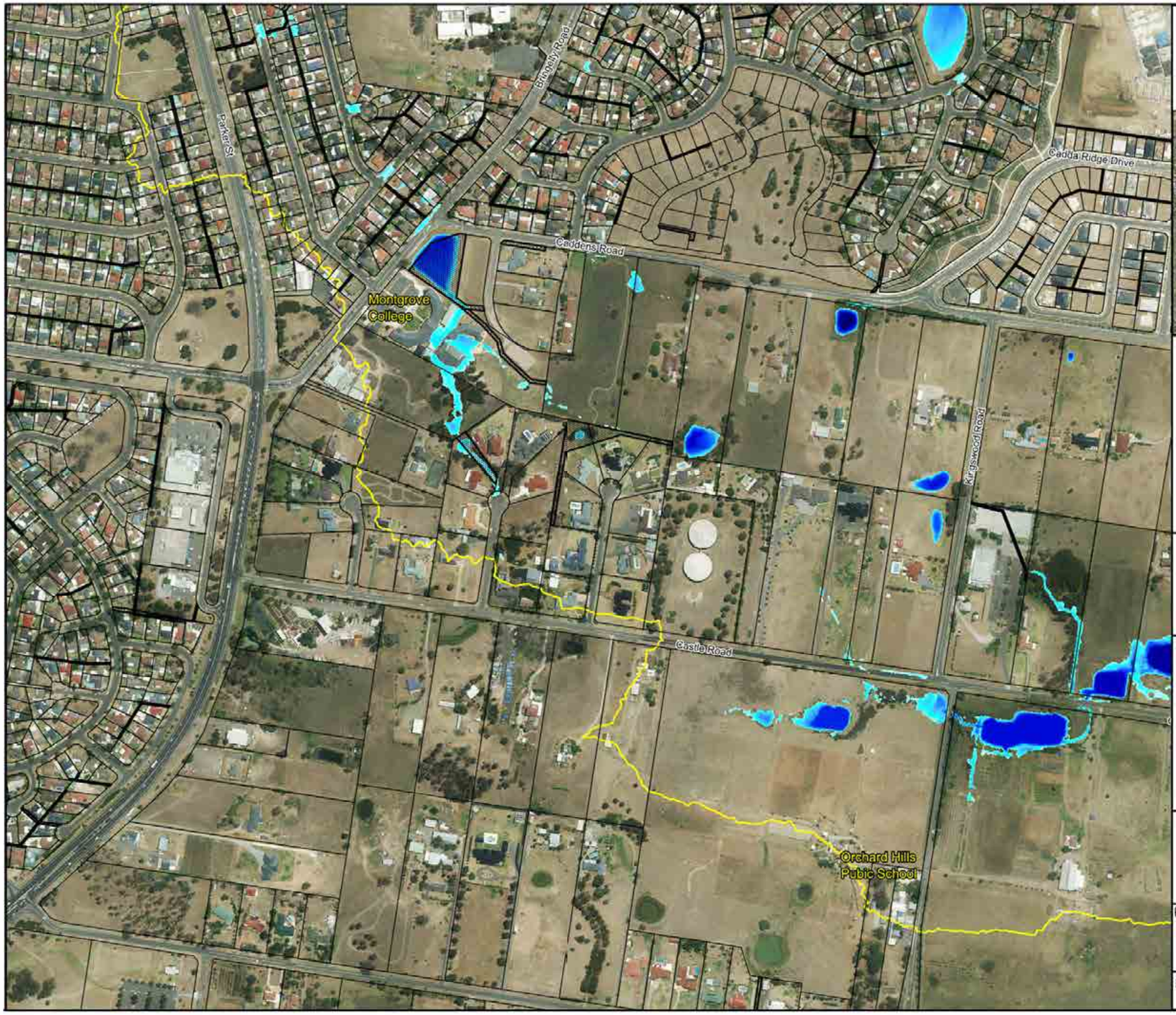
Km

Figure 15.9:
Peak Design Floodwater Depths for the 20% AEP Flood

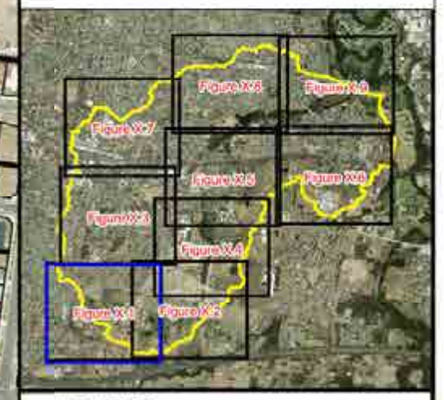
Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig15.9 Design floodwater depths for 20% AEP.wor



PENRITH CITY COUNCIL



LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 16.1: Peak Design Floodwater Depths for the 10% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig16.1 Design floodwater depths for 10% AEP.wor

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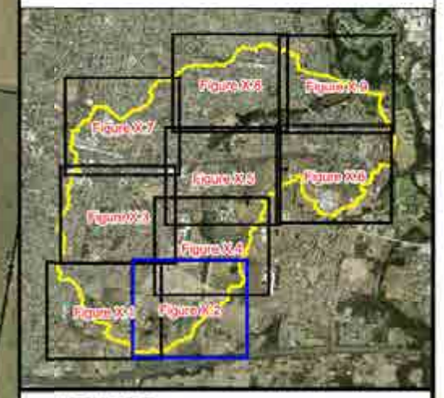


LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

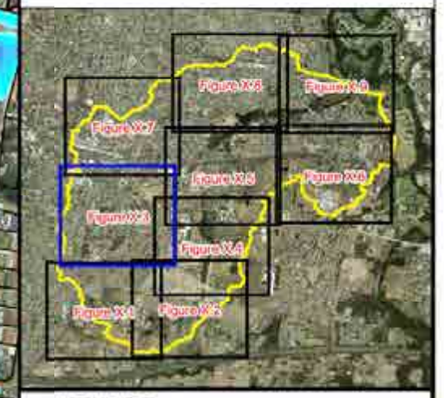
0 0.15 0.3
Km

Figure 16.2:
Peak Design Floodwater Depths for the 10% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig16.2 Design floodwater depths for 10% AEP.wor

PENRITH CITY COUNCIL



LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

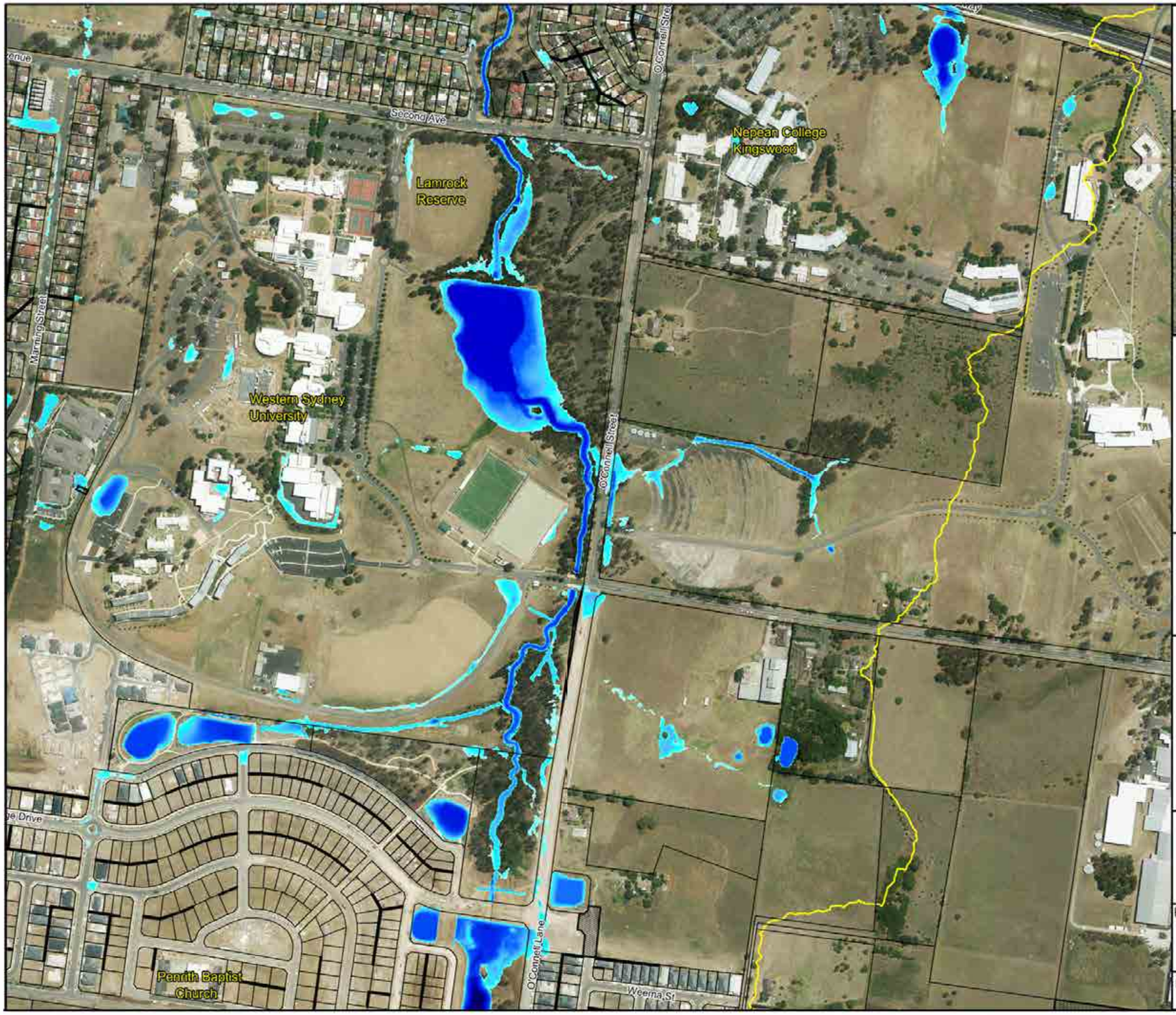
Km

Figure 16.3: Peak Design Floodwater Depths for the 10% AEP Flood

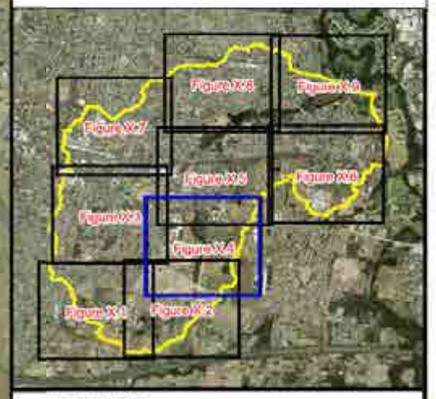
Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig16.3 Design floodwater depths for 10% AEP.wor



PENRITH CITY COUNCIL



LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 16.4: Peak Design Floodwater Depths for the 10% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig16.4 Design floodwater depths for 10% AEP.wor

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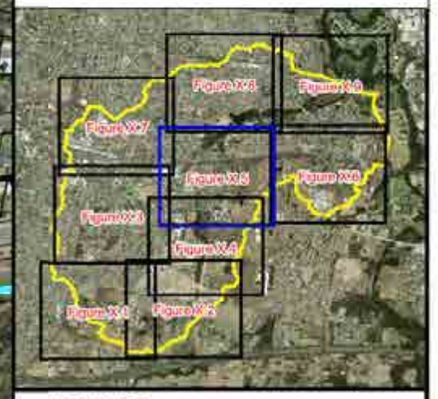

LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 16.5: Peak Design Floodwater Depths for the 10% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig16.5 Design floodwater depths for 10% AEP.wor

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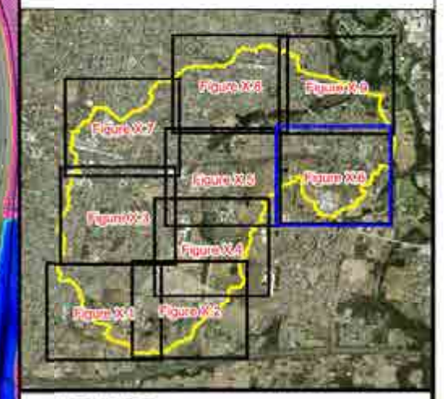

LEGEND

Depths (m)

- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 16.6: Peak Design Floodwater Depths for the 10% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig16.6 Design floodwater depths for 10% AEP.wor

PENRITH
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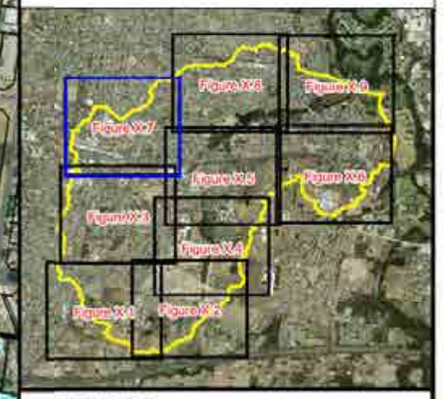

LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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S

Scale 1:5,000 (at A3)

0 0.15 0.3

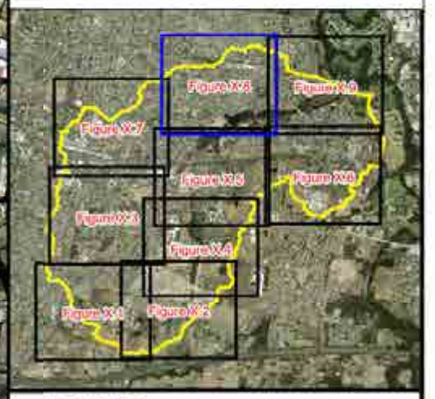
Km

Figure 16.7:
Peak Design Floodwater Depths for the 10% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig16.7 Design floodwater depths for 10% AEP.wor

PENRITH
CITY COUNCIL



LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 16.8:
Peak Design Floodwater Depths for the 10% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig16.8 Design floodwater depths for 10% AEP.wor

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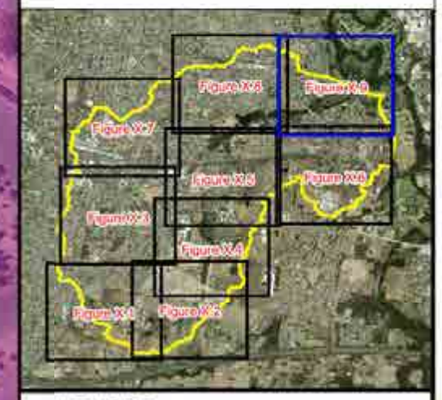


LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

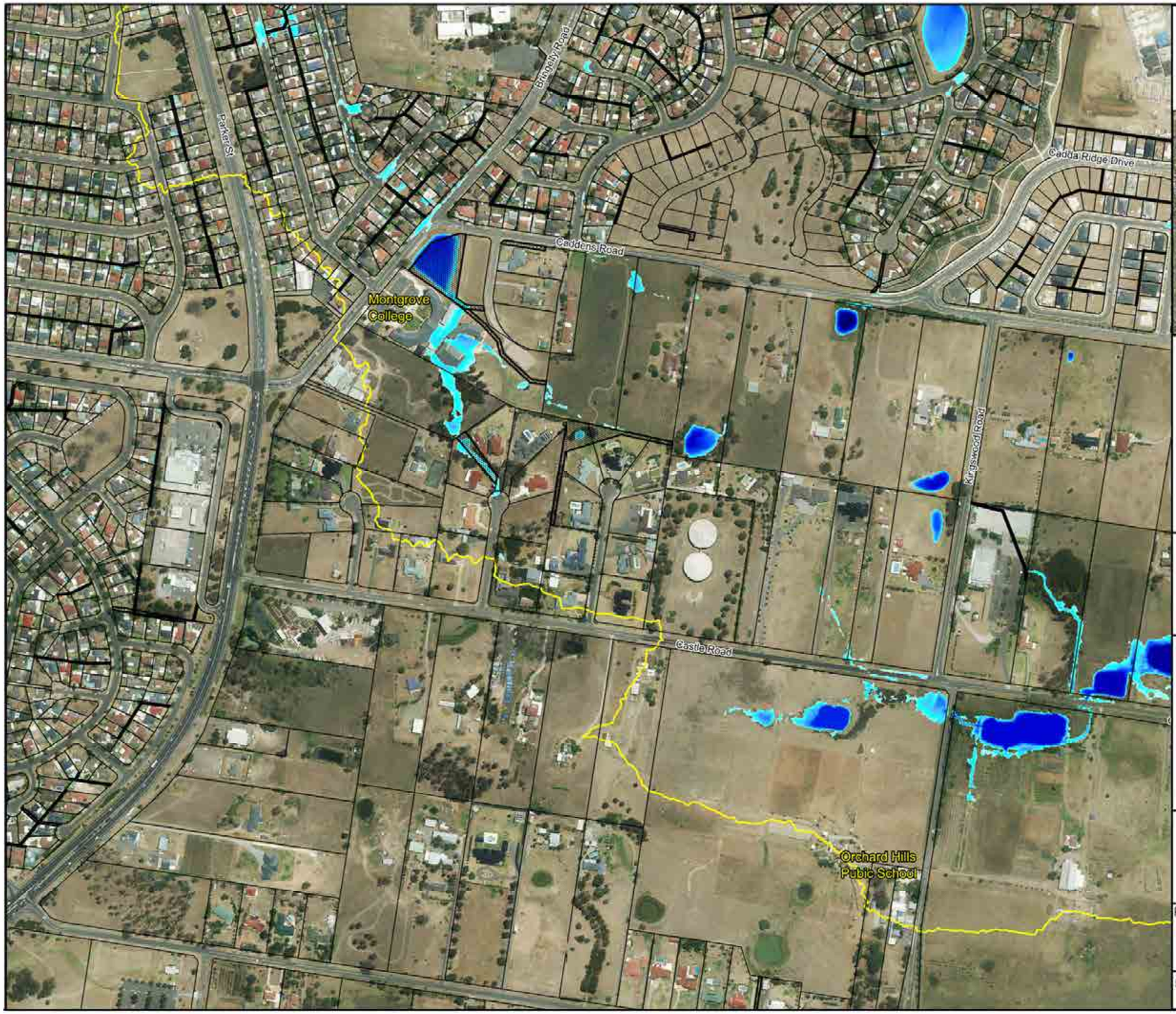
0 0.15 0.3

Km

Figure 16.9:
Peak Design Floodwater Depths for the 10% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig16.9 Design floodwater depths for 10% AEP.wor



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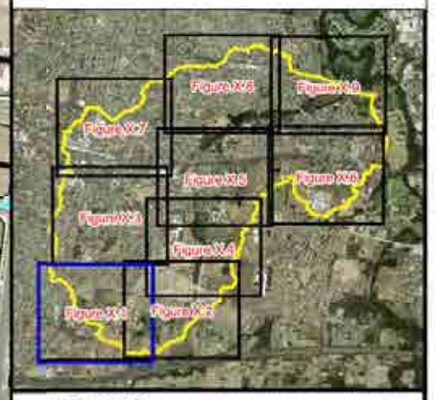


LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

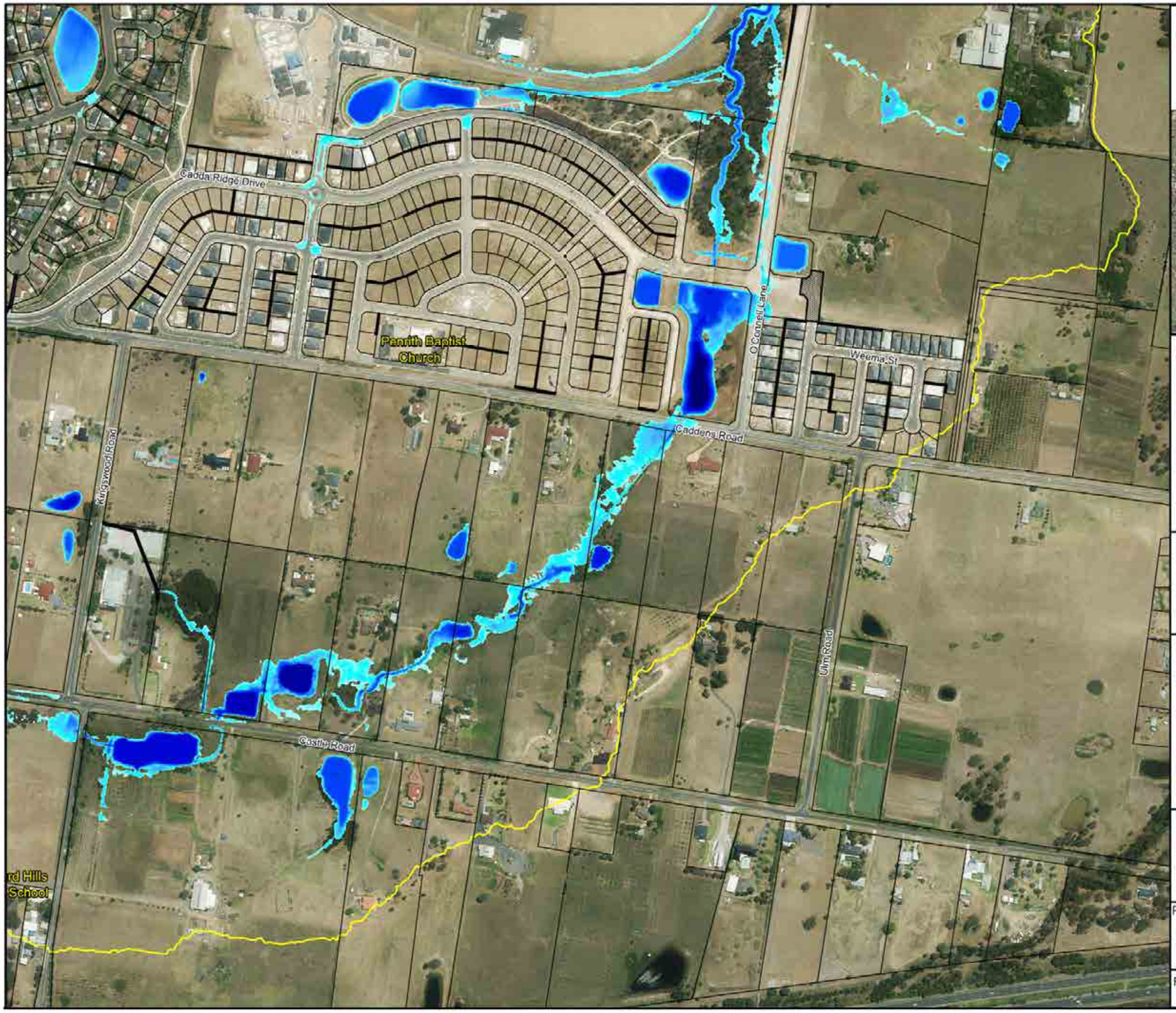
Km

Figure 17.1: Peak Design Floodwater Depths for the 5% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig17.1 Design floodwater depths for 5% AEP.wor



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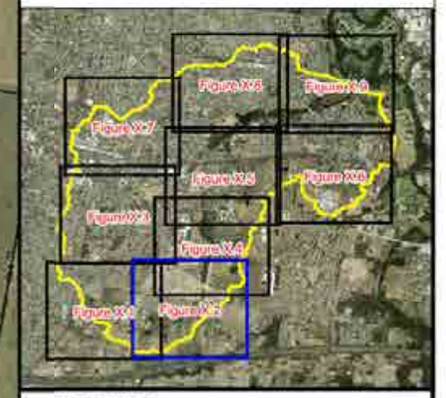

LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 17.2: Peak Design Floodwater Depths for the 5% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig17.2 Design floodwater depths for 5% AEP.wor

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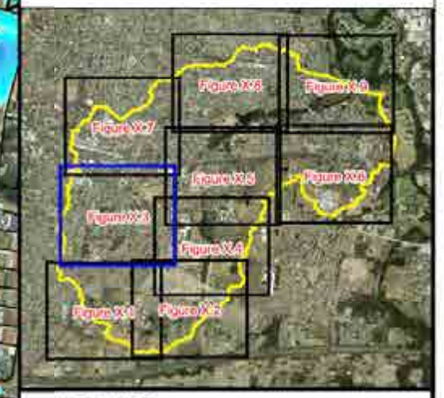

LEGEND

Depths (m)

- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 17.3: Peak Design Floodwater Depths for the 5% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig17.3 Design floodwater depths for 5% AEP.wor

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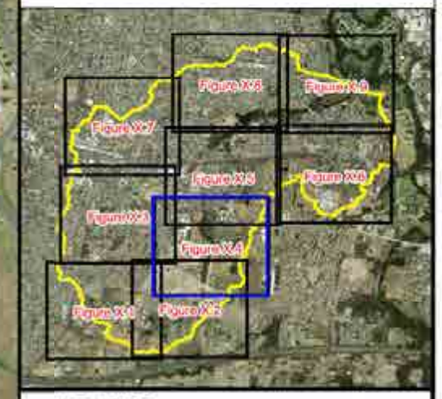


LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

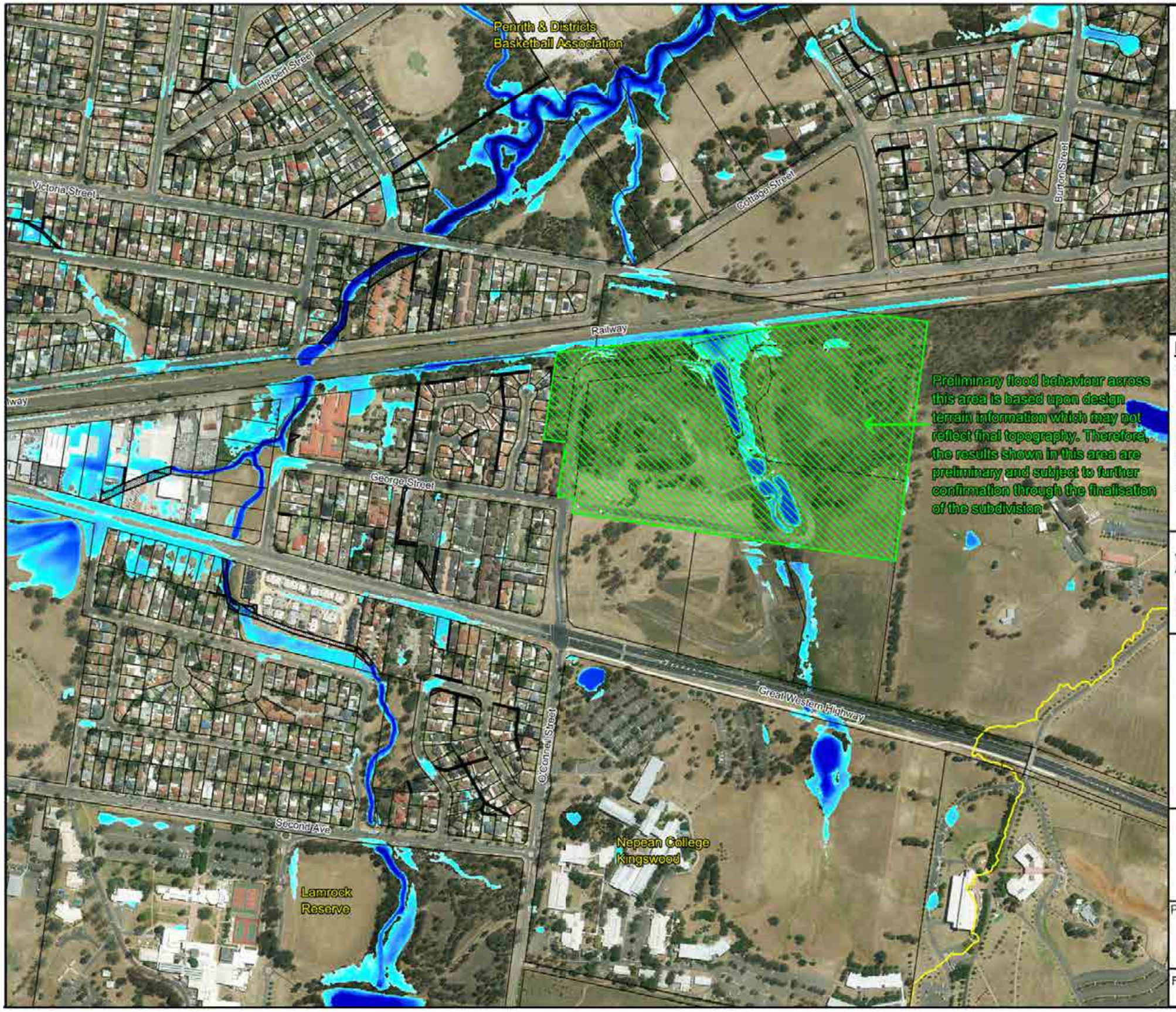
0 0.15 0.3

Km

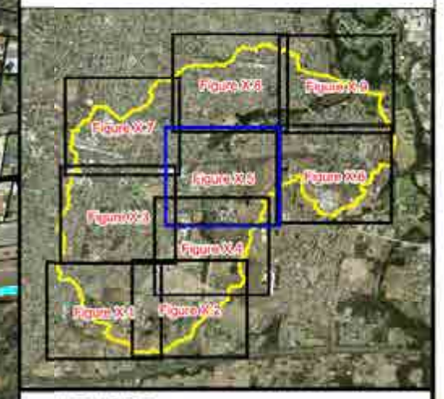
Figure 17.4: Peak Design Floodwater Depths for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig17.4 Design floodwater depths for 5% AEP.wor



PENRITH CITY COUNCIL



LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 17.5: Peak Design Floodwater Depths for the 5% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig17.5 Design floodwater depths for 5% AEP.wor

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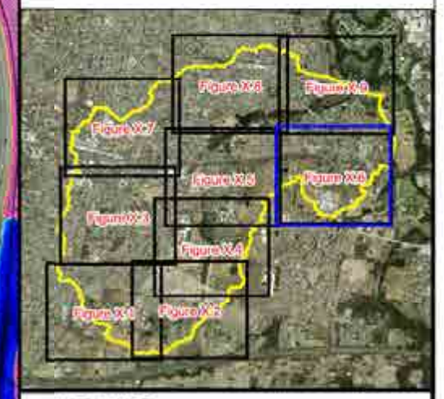

LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 17.6: Peak Design Floodwater Depths for the 5% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig17.6 Design floodwater depths for 5% AEP.wor

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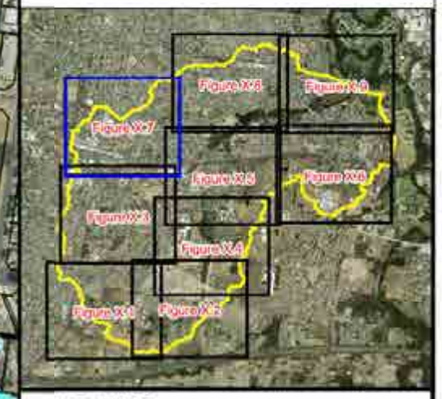

LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 17.7: Peak Design Floodwater Depths for the 5% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig17.7 Design floodwater depths for 5% AEP.wor

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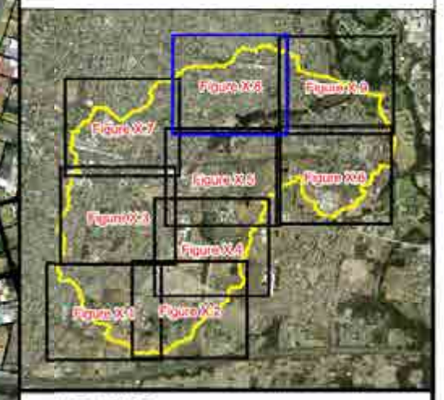

LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 17.8:
Peak Design Floodwater Depths for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig17.8 Design floodwater depths for 5% AEP.wor

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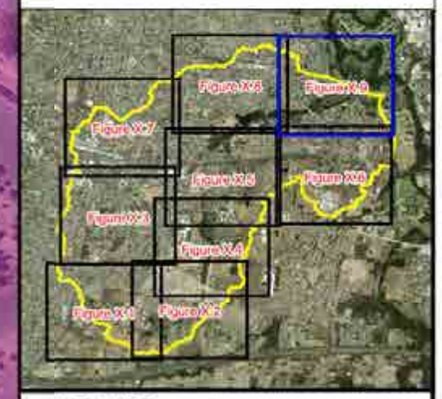


LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

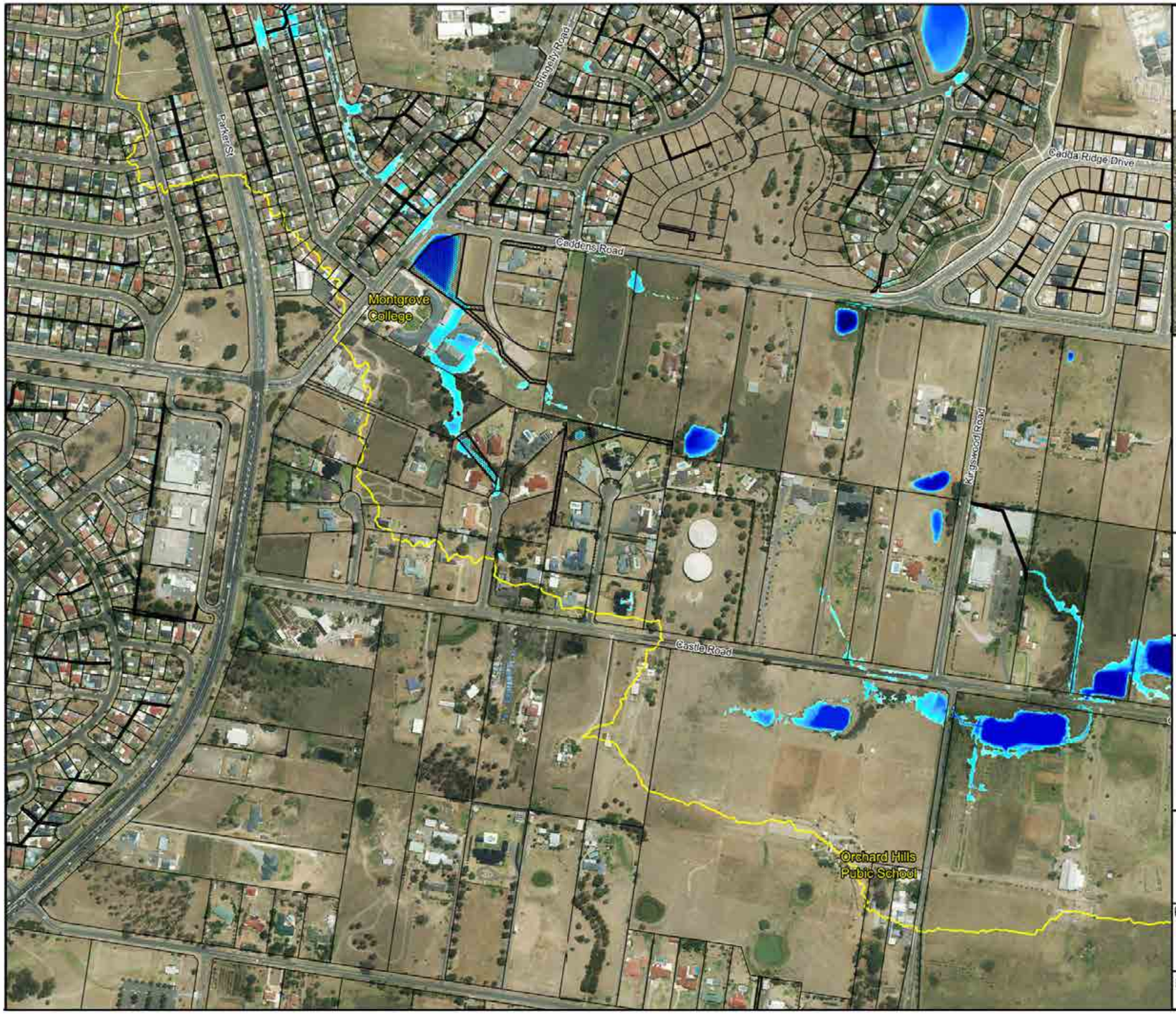
0 0.15 0.3

Km

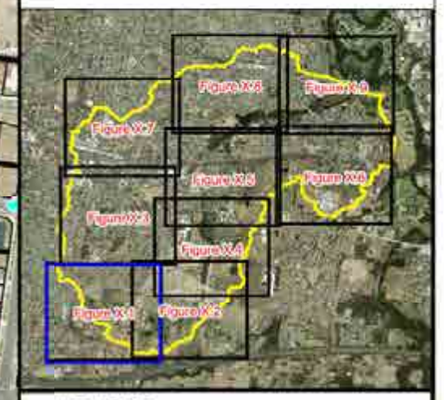
Figure 17.9:
Peak Design Floodwater Depths for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig17.9 Design floodwater depths for 5% AEP.wor



PENRITH CITY COUNCIL



LEGEND

Depths (m)

- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 18.1: Peak Design Floodwater Depths for the 2% AEP Flood

Prepared By:

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Sydney, NSW 2000

File Name: Fig18.1 Design floodwater depths for 2% AEP.wor

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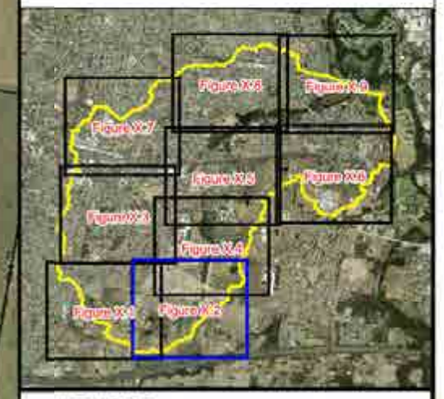

LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 18.2:
Peak Design Floodwater Depths for the 2% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig18.2 Design floodwater depths for 2% AEP.wor

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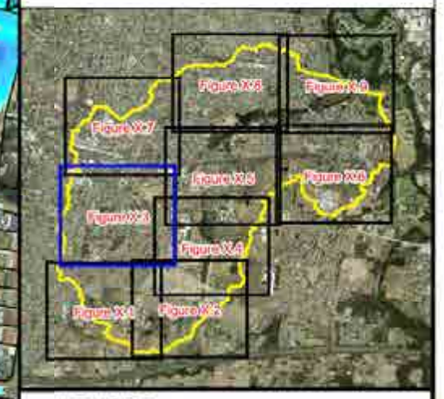


LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

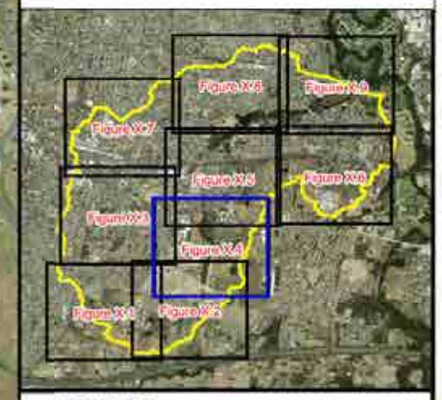
Km

Figure 18.3: Peak Design Floodwater Depths for the 2% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig18.3 Design floodwater depths for 2% AEP.wor

PENRITH CITY COUNCIL



LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 18.4:
Peak Design Floodwater Depths for the 2% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig18.4 Design floodwater depths for 2% AEP.wor

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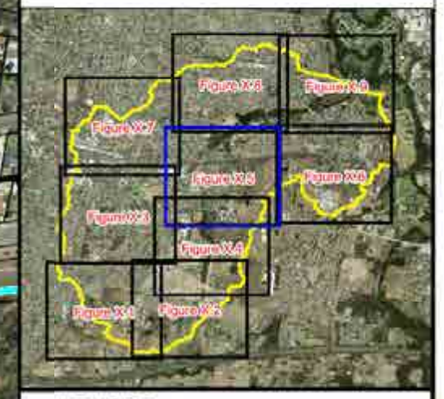

Penrith & Districts Basketball Association
Herbert Street
Victoria Street
Railway
Cottage Street
Burton Street
George Street
O'Connell Street
Great Western Highway
Second Ave
Lamrock Reserve
Nepean College Kingswood

Preliminary flood behaviour across this area is based upon design terrain information which may not reflect final topography. Therefore, the results shown in this area are preliminary and subject to further confirmation through the finalisation of the subdivision

LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 18.5: Peak Design Floodwater Depths for the 2% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig18.5 Design floodwater depths for 2% AEP.wor

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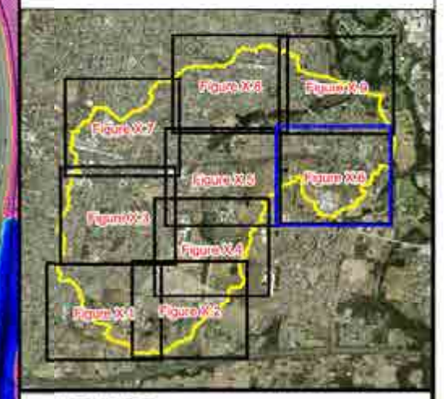

LEGEND

Depths (m)

- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 18.6:
Peak Design Floodwater Depths for the 2% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig18.6 Design floodwater depths for 2% AEP.wor

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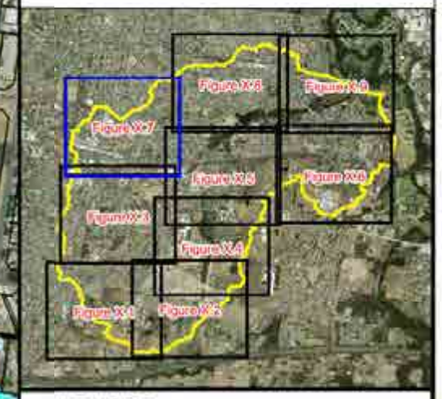

LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 18.7: Peak Design Floodwater Depths for the 2% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig18.7 Design floodwater depths for 2% AEP.wor

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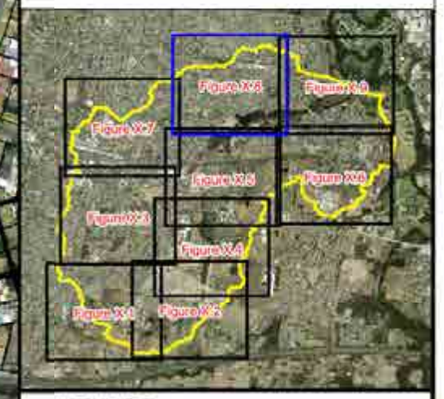

LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 18.8:
Peak Design Floodwater Depths for the 2% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig18.8 Design floodwater depths for 2% AEP.wor

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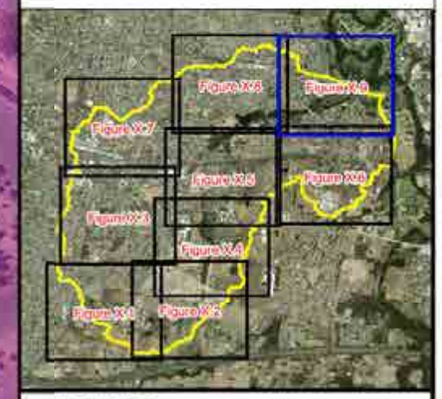


LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

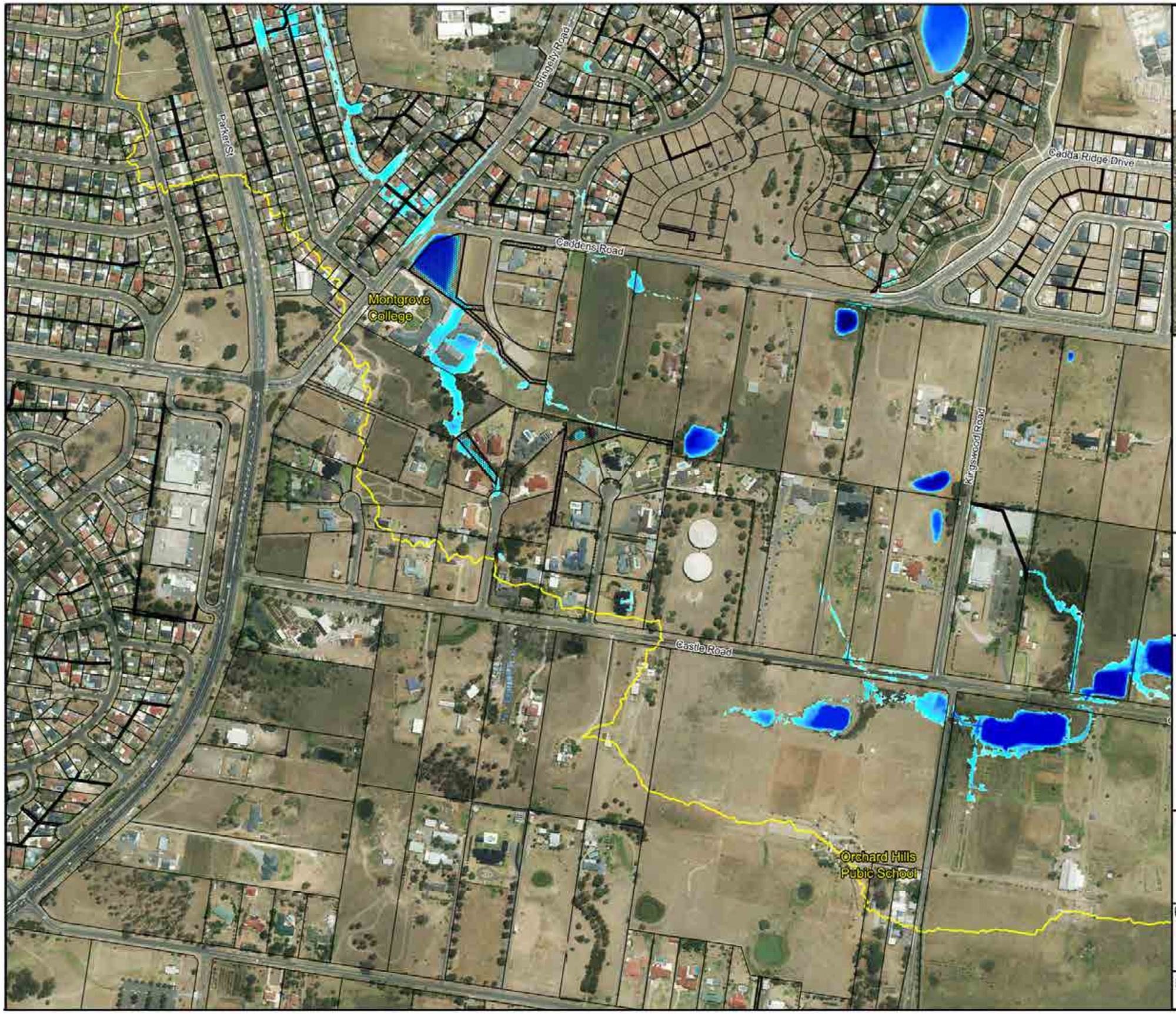
Km

Figure 18.9:
Peak Design Floodwater Depths for the 2% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig18.9 Design floodwater depths for 2% AEP.wor



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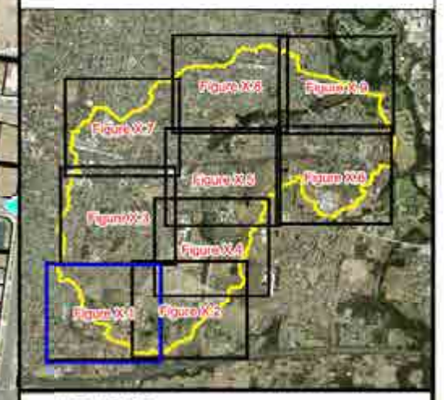


LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

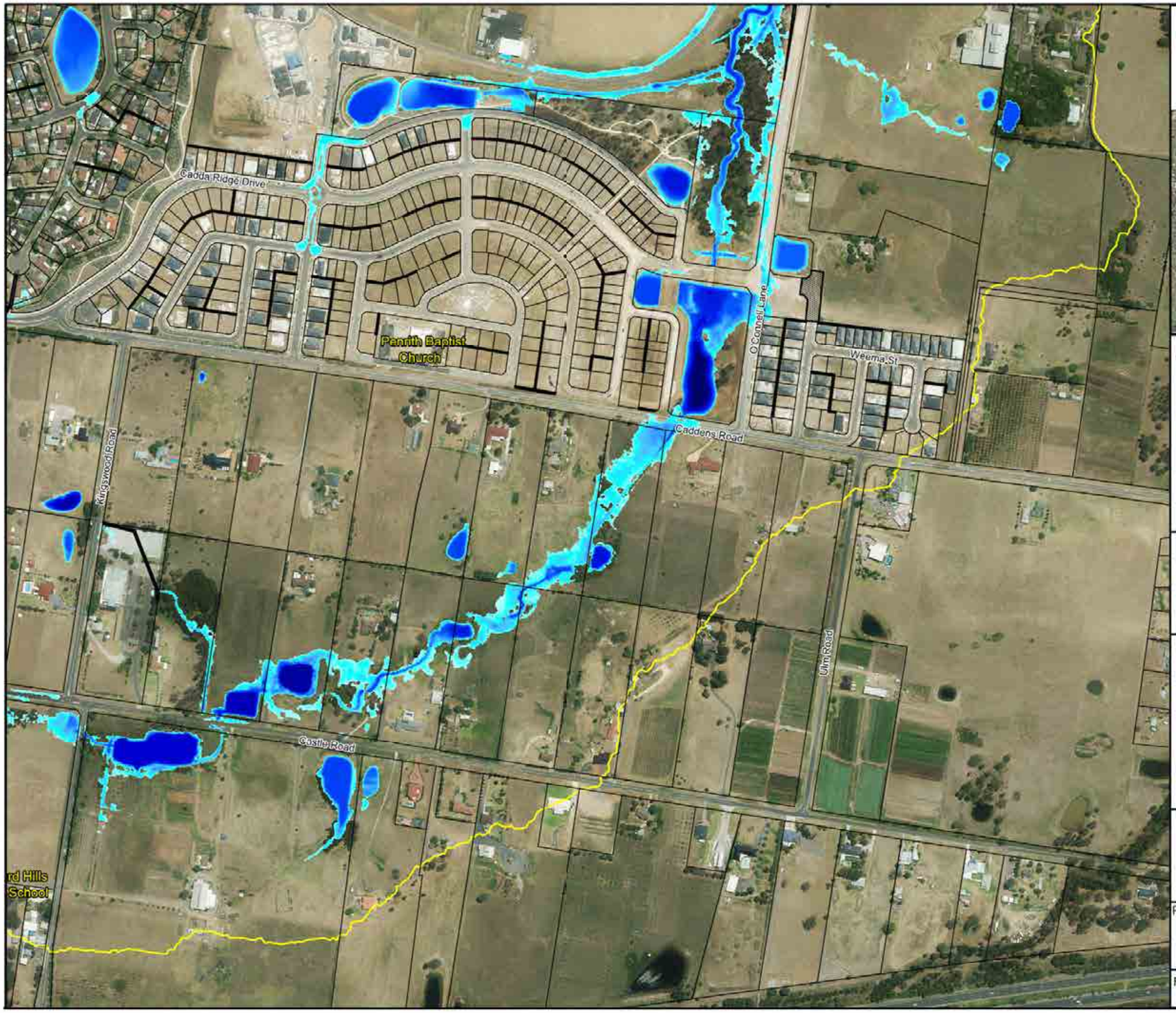
Km

Figure 19.1: Peak Design Floodwater Depths for the 1% AEP Flood

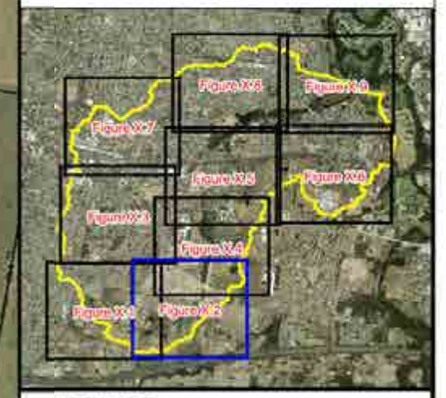
Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig19.1 Design floodwater depths for 1% AEP.wor



PENRITH CITY COUNCIL



LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 19.2:
Peak Design Floodwater Depths for the 1% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig19.2 Design floodwater depths for 1% AEP.wor

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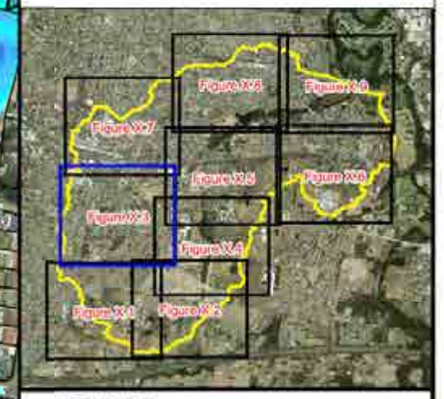


LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

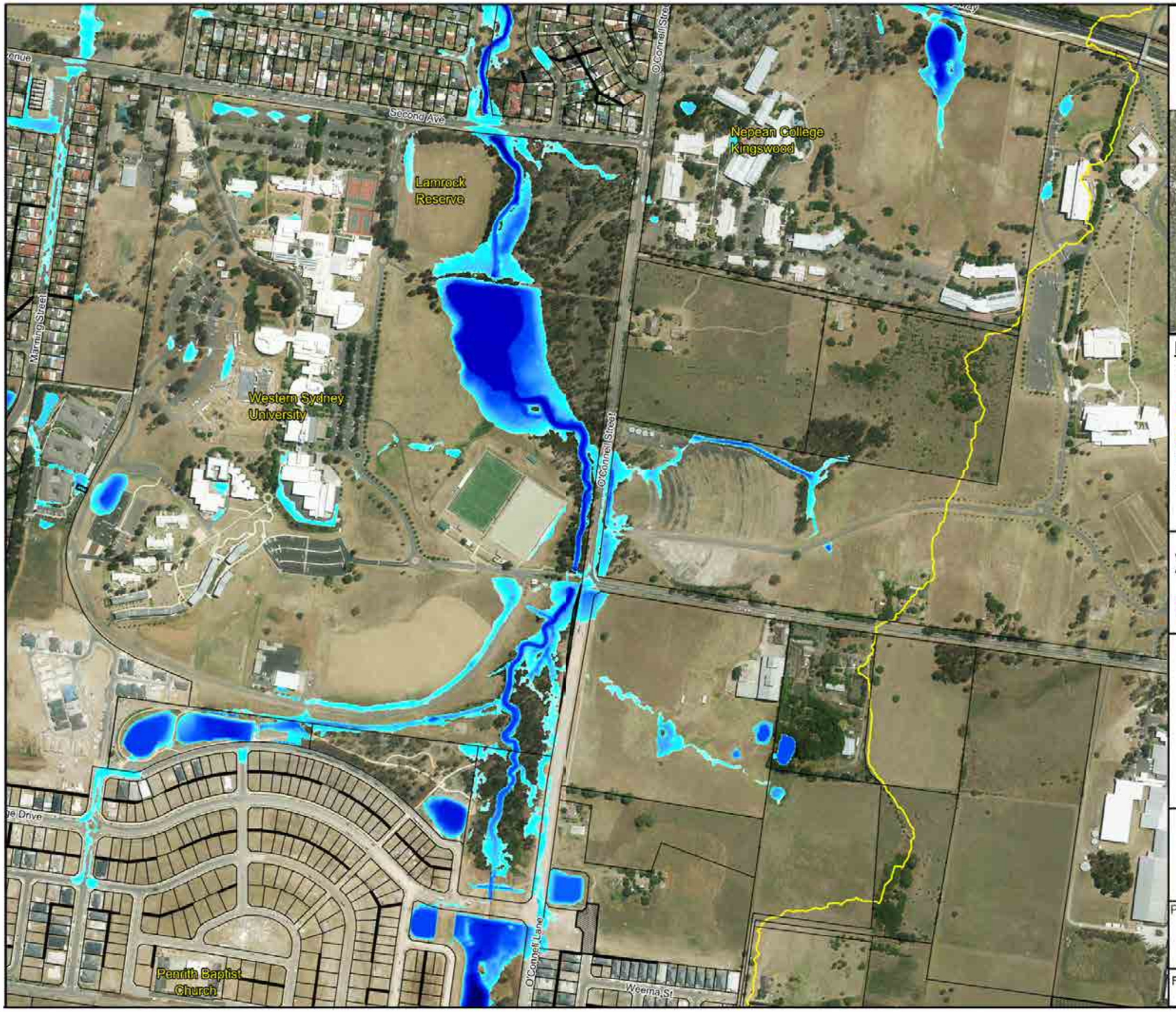
Km

Figure 19.3: Peak Design Floodwater Depths for the 1% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig19.3 Design floodwater depths for 1% AEP.wor



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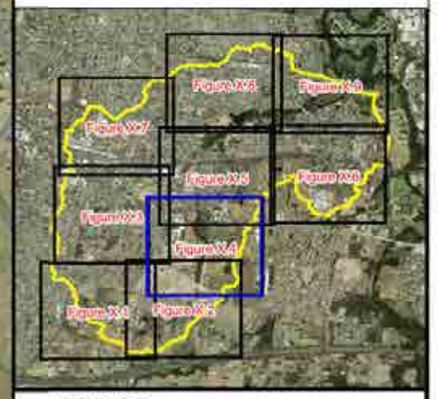

LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 19.4: Peak Design Floodwater Depths for the 1% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig19.4 Design floodwater depths for 1% AEP.wor

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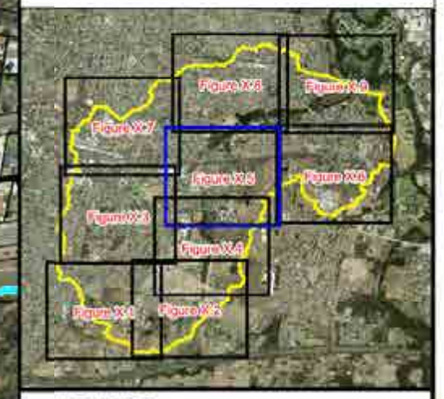


Penrith & Districts Basketball Association
Herbert Street
Victoria Street
Railway
Cottage Street
Burton Street
George Street
O'Connell Street
Second Ave
Great Western Highway
Nepean College Kingswood
Lamrock Reserve

Preliminary flood behaviour across this area is based upon design terrain information which may not reflect final topography. Therefore, the results shown in this area are preliminary and subject to further confirmation through the finalisation of the subdivision

LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

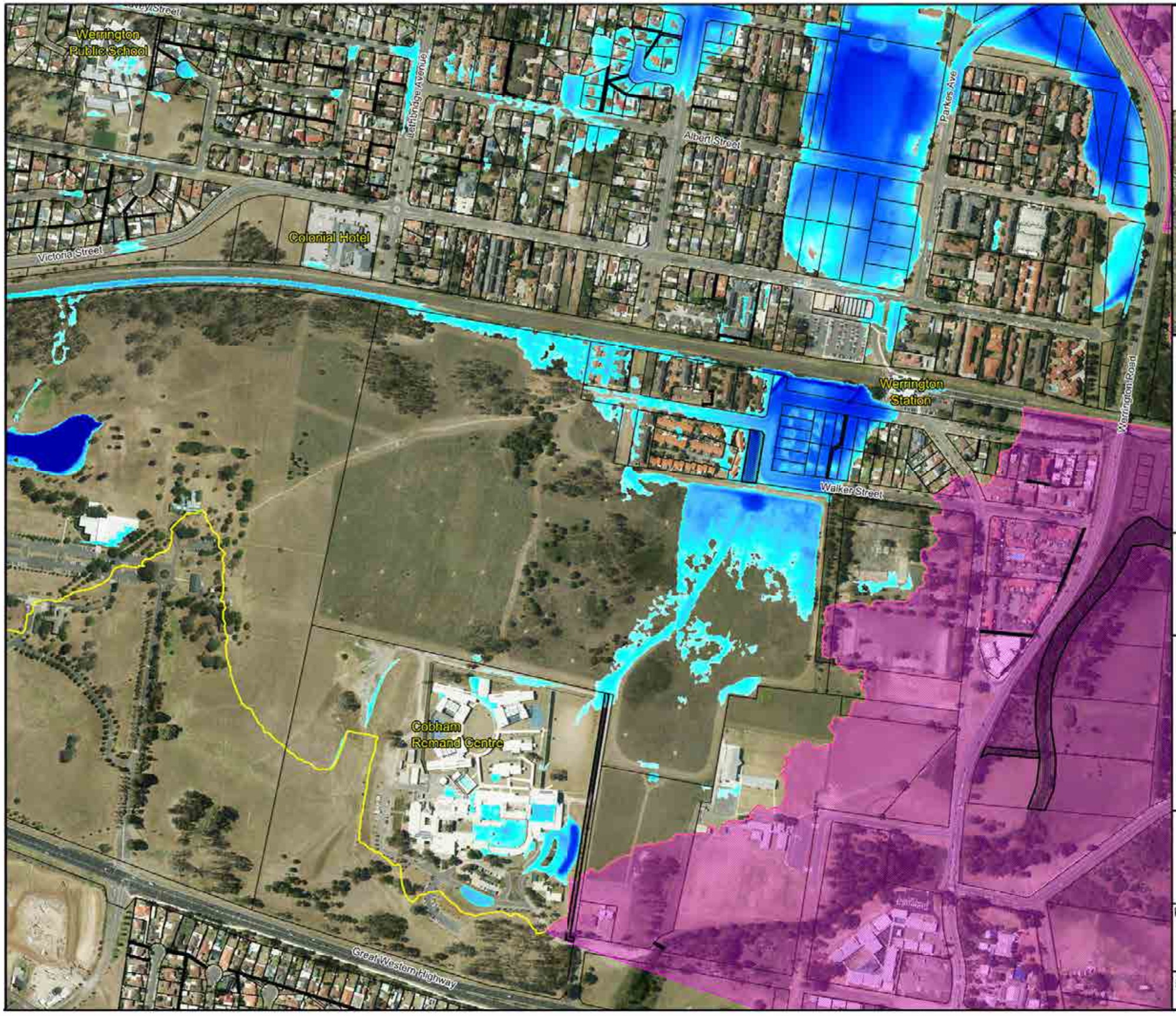
Km

Figure 19.5: Peak Design Floodwater Depths for the 1% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig19.5 Design floodwater depths for 1% AEP.wor



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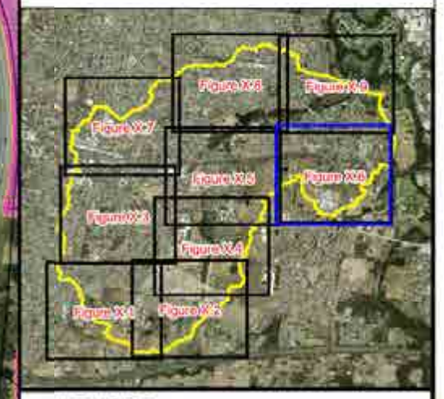


LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

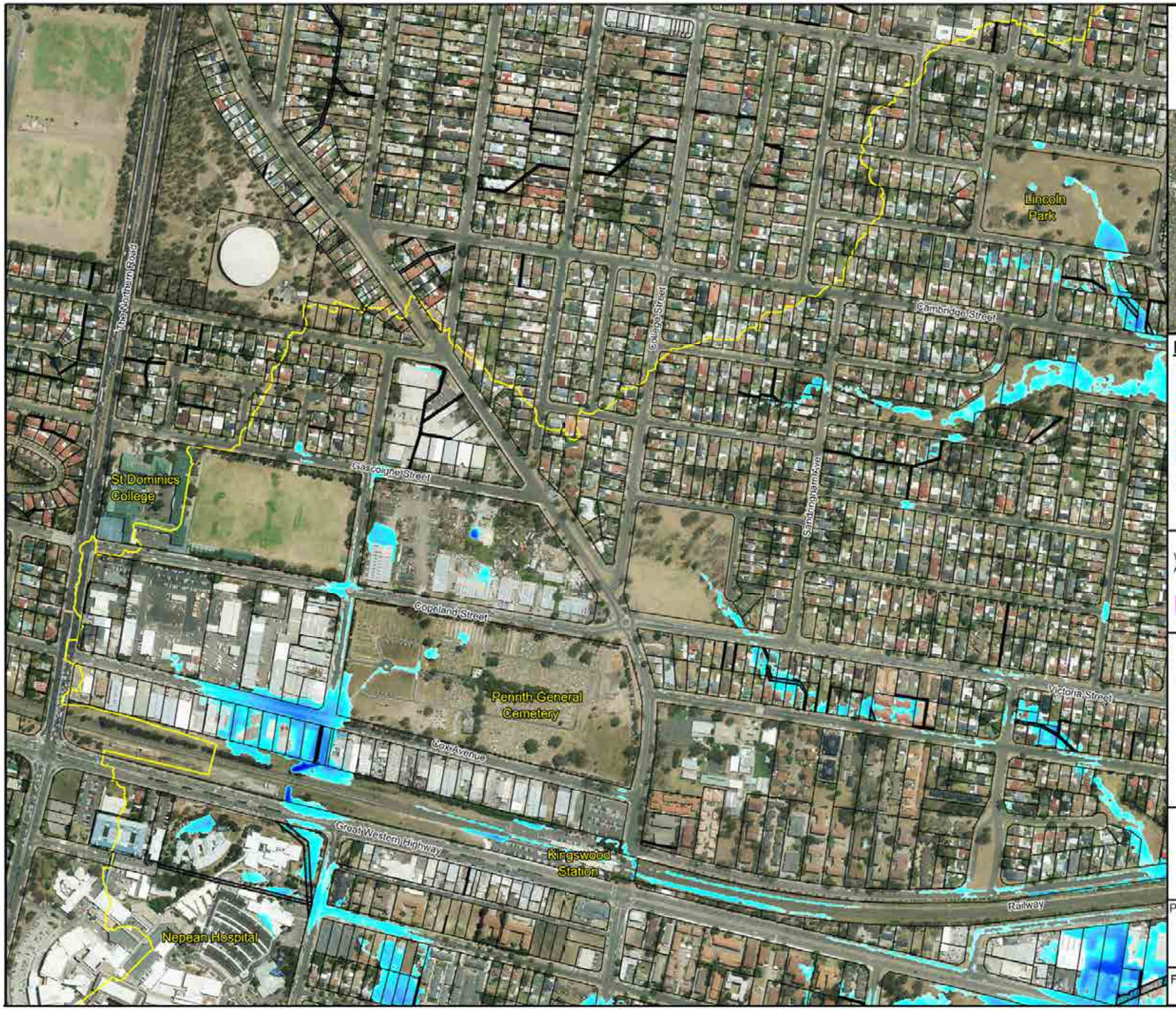
Km

Figure 19.6: Peak Design Floodwater Depths for the 1% AEP Flood

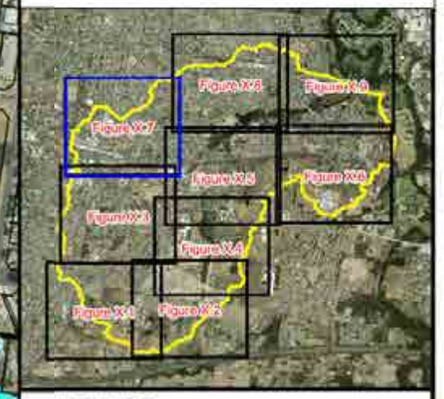
Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig19.6 Design floodwater depths for 1% AEP.wor



PENRITH CITY COUNCIL



LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 19.7: Peak Design Floodwater Depths for the 1% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig19.7 Design floodwater depths for 1% AEP.wor

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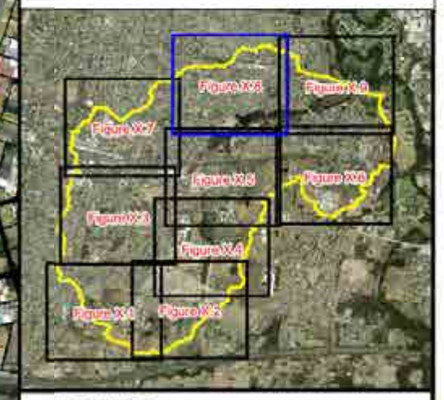


LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

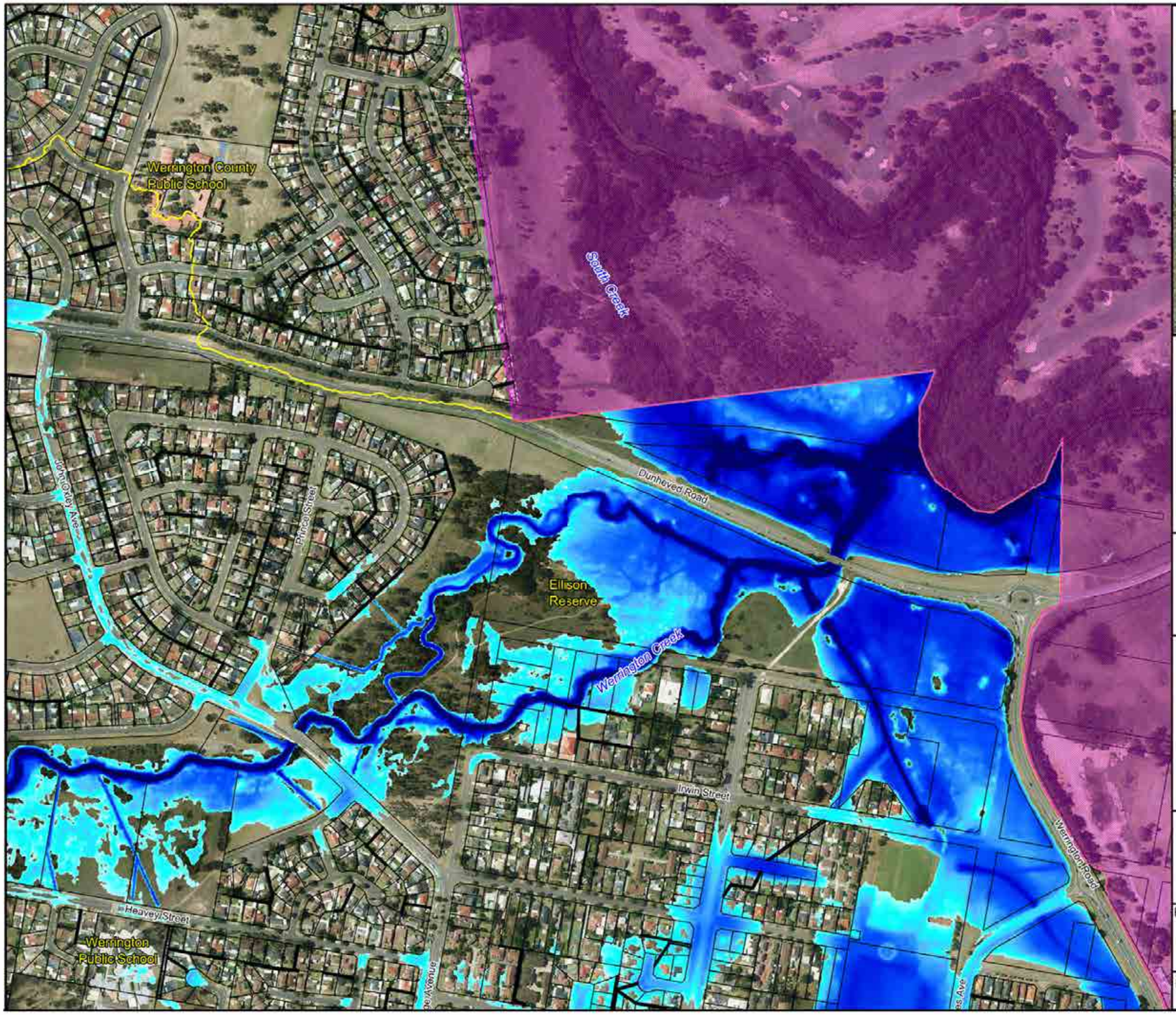
0 0.15 0.3

Km

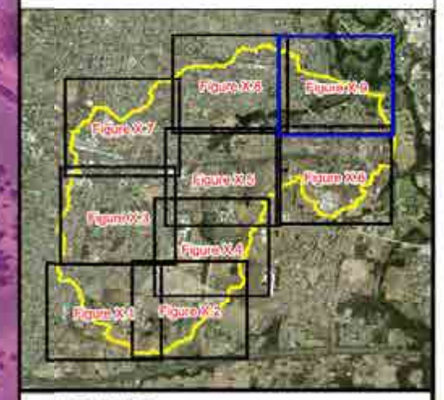
Figure 19.8:
Peak Design Floodwater Depths for the 1% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig19.8 Design floodwater depths for 1% AEP.wor



PENRITH CITY COUNCIL



LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 19.9: Peak Design Floodwater Depths for the 1% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig19.9 Design floodwater depths for 1% AEP.wor

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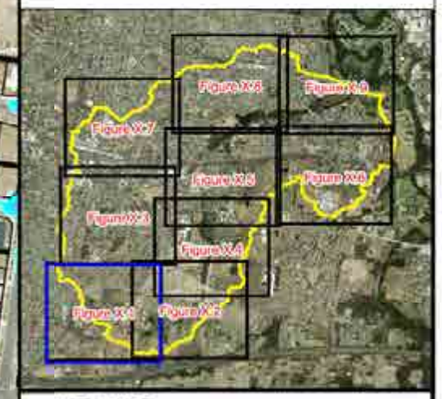


LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

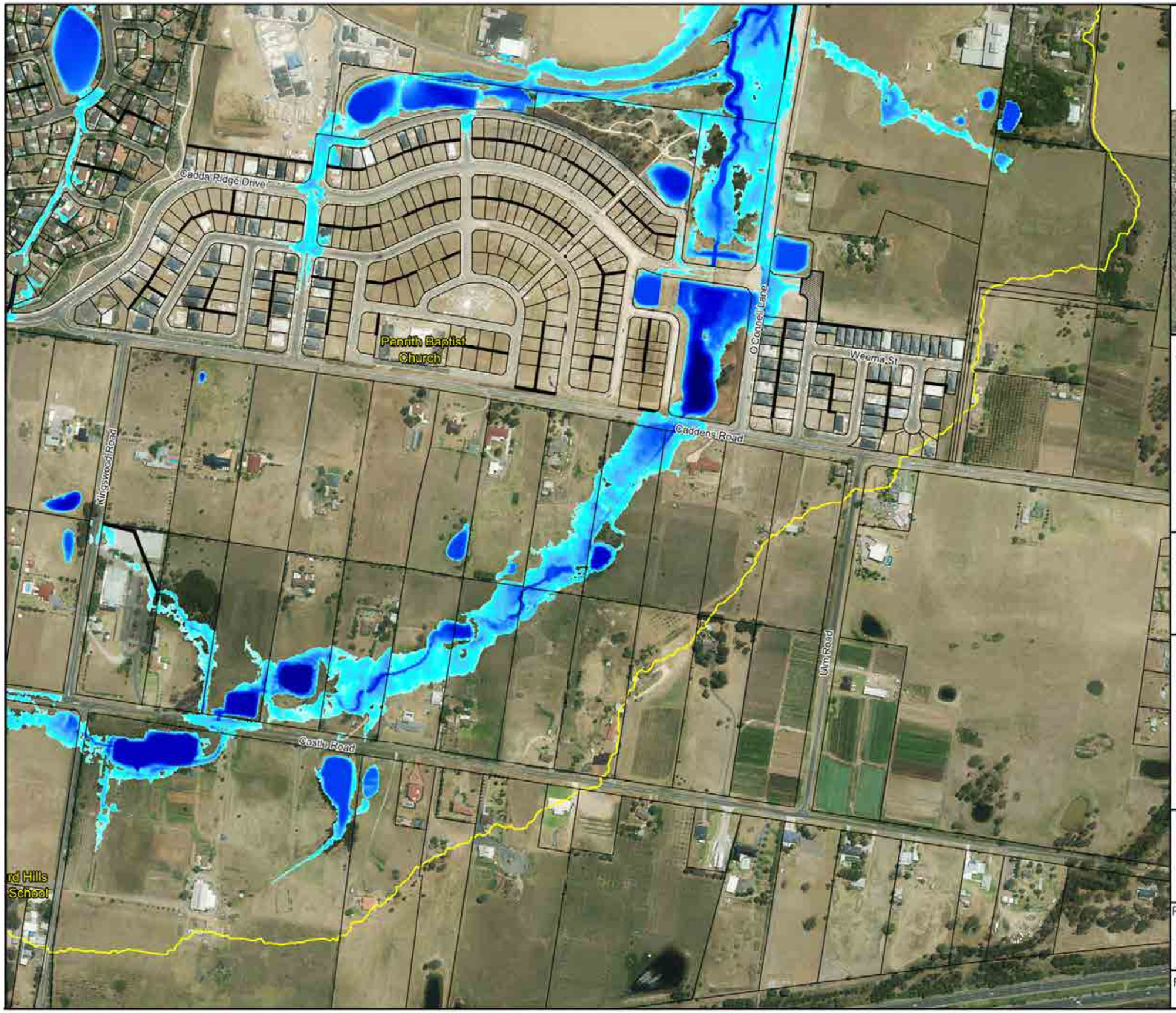
Scale 1:5,000 (at A3)

0 0.15 0.3
Km

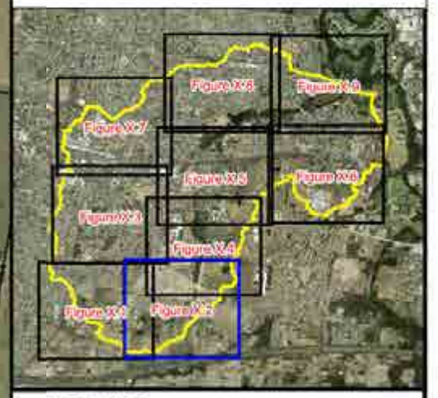
Figure 20.1: Peak Design Floodwater Depths for the 0.5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig20.1 Design floodwater depths for 0.5% AEP.wor



PENRITH CITY COUNCIL



LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 20.2: Peak Design Floodwater Depths for the 0.5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig20.2 Design floodwater depths for 0.5% AEP.wor

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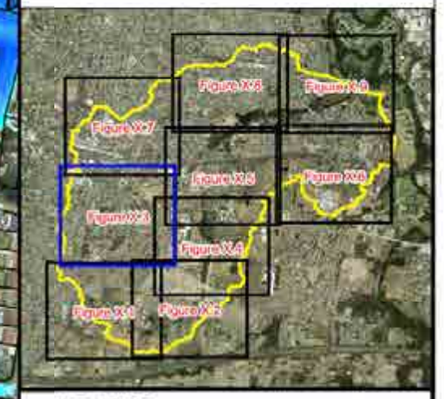

LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 20.3: Peak Design Floodwater Depths for the 0.5% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig20.3 Design floodwater depths for 0.5% AEP.wor

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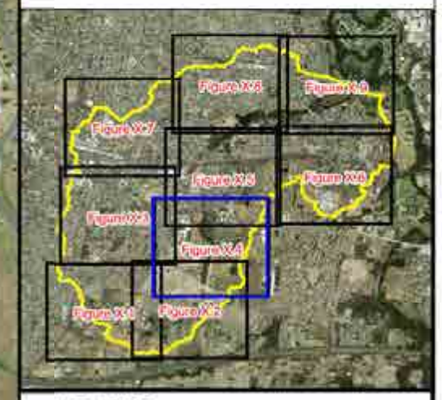

LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 20.4:
Peak Design Floodwater Depths for the 0.5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig20.4 Design floodwater depths for 0.5% AEP.wor

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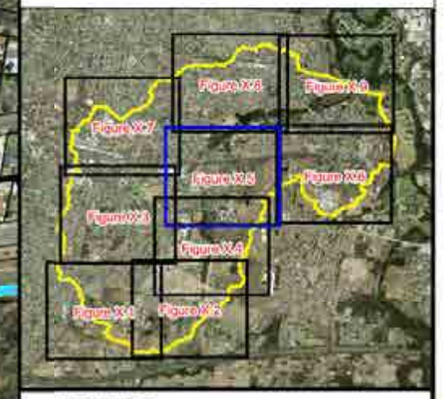


Penrith & Districts Basketball Association
Herbert Street
Victoria Street
Railway
Cottage Street
Burton Street
George Street
Preliminary flood behaviour across this area is based upon design terrain information which may not reflect final topography. Therefore, the results shown in this area are preliminary and subject to further confirmation through the finalisation of the subdivision
O'Connell Street
Great Western Highway
Second Ave
Lamrock Reserve
Nepean College Kingswood

LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

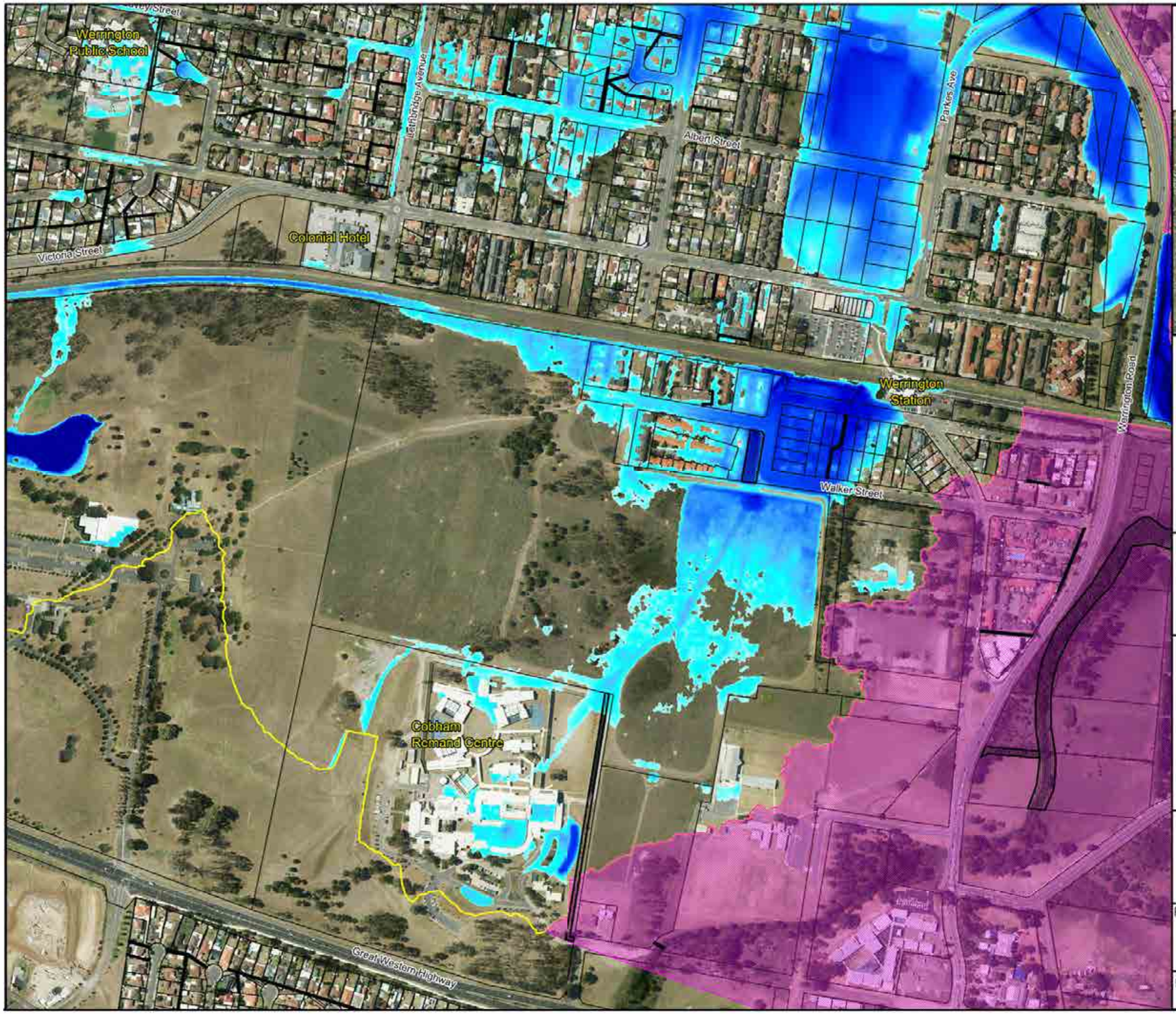
0 0.15 0.3

Km

Figure 20.5: Peak Design Floodwater Depths for the 0.5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig20.5 Design floodwater depths for 0.5% AEP.wor



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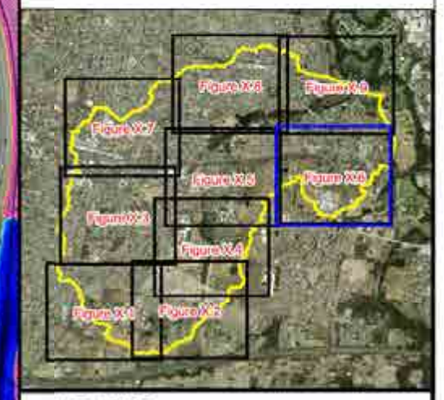

LEGEND

Depths (m)

- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 20.6: Peak Design Floodwater Depths for the 0.5% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig20.6 Design floodwater depths for 0.5% AEP.wor

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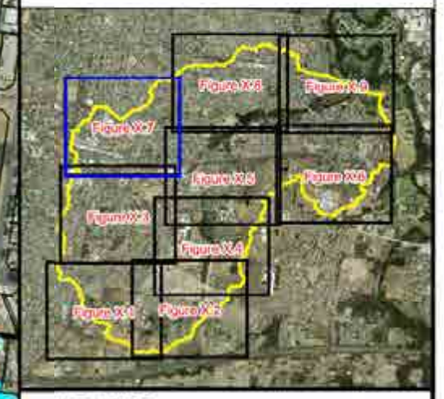

LEGEND

Depths (m)

- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 20.7: Peak Design Floodwater Depths for the 0.5% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig20.7 Design floodwater depths for 0.5% AEP.wor

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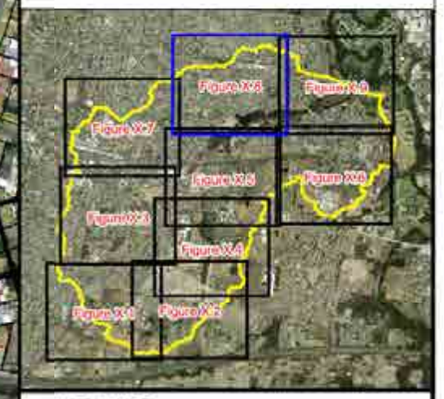

LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3
Km

Figure 20.8:
Peak Design Floodwater Depths for the 0.5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig20.8 Design floodwater depths for 0.5% AEP.wor

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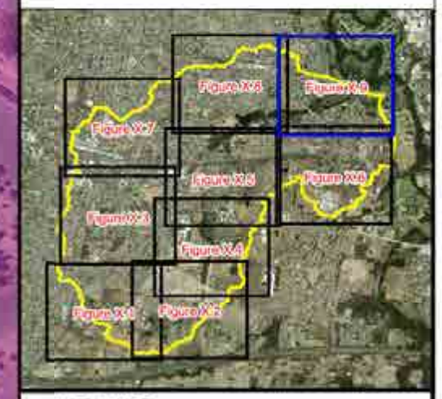


LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

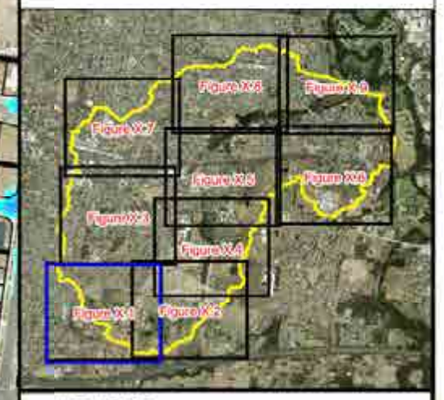
Figure 20.9: Peak Design Floodwater Depths for the 0.5% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig20.9 Design floodwater depths for 0.5% AEP.wor

PENRITH CITY COUNCIL



LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

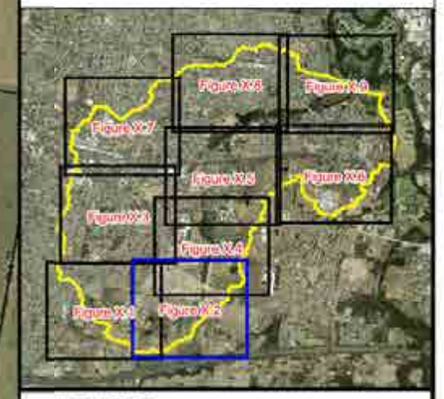
Figure 21.1:
Peak Design Floodwater Depths for the 0.2% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig21.1 Design floodwater depths for 0.2% AEP.wor

PENRITH
CITY COUNCIL



LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

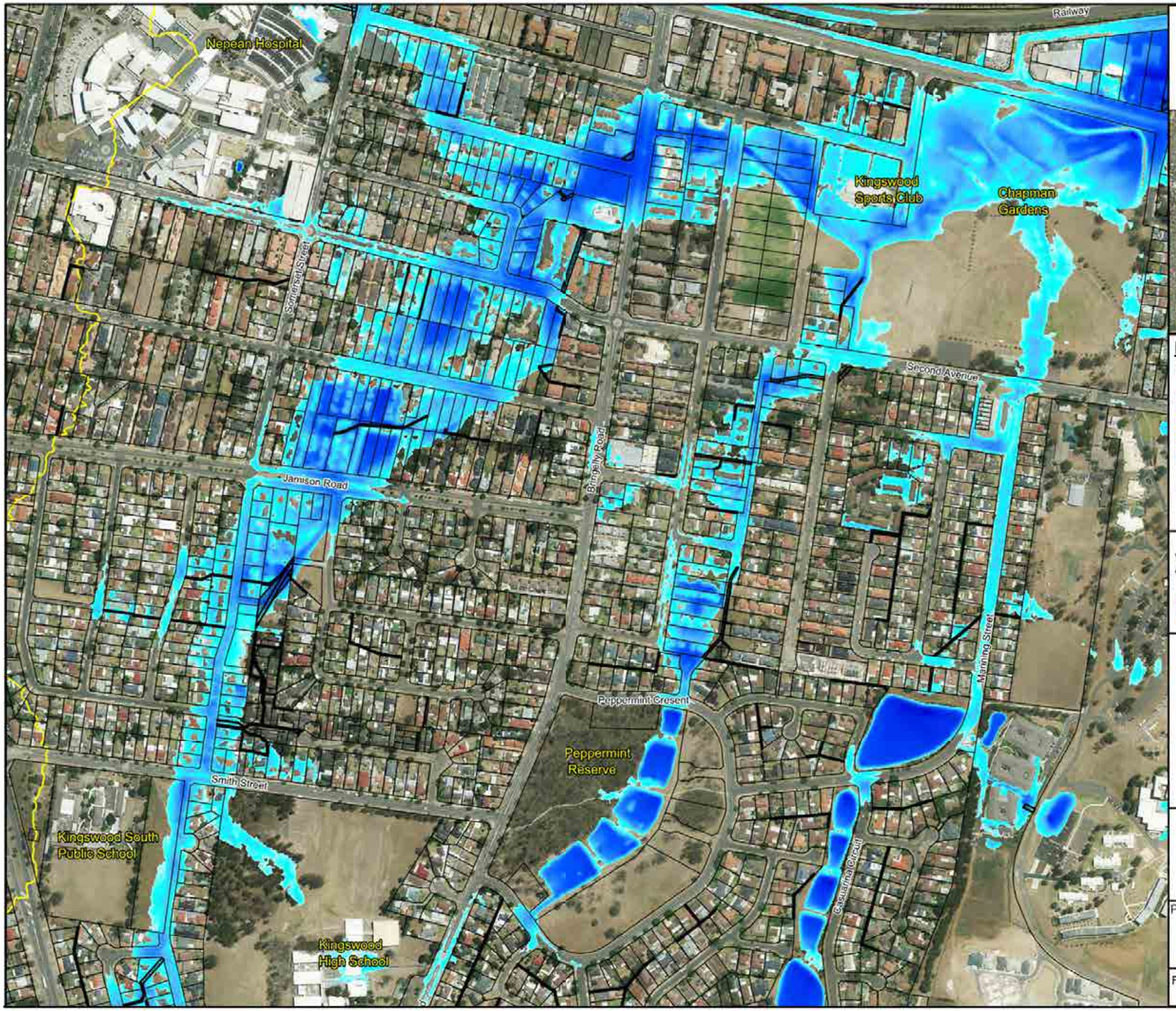
0 0.15 0.3

Km

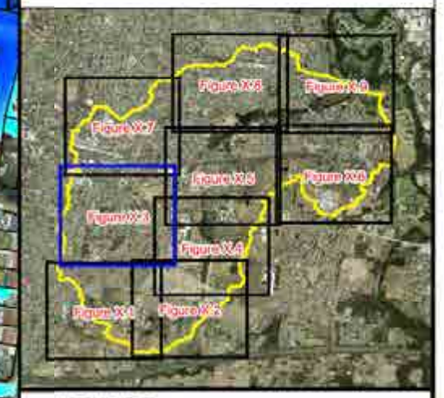
Figure 21.2:
Peak Design Floodwater Depths for the 0.2% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig21.2 Design floodwater depths for 0.2% AEP.wor



PENRITH CITY COUNCIL



LEGEND

Depths (m)

- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 21.3: Peak Design Floodwater Depths for the 0.2% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig21.3 Design floodwater depths for 0.2% AEP.wor

PENRITH
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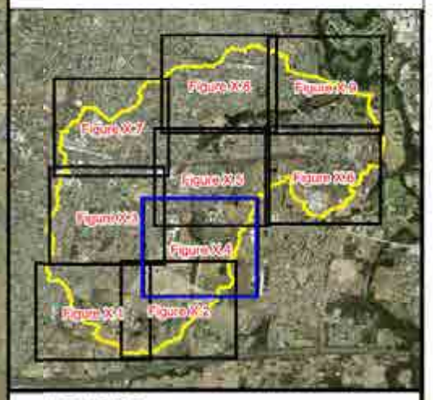


LEGEND

Depths (m)

- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

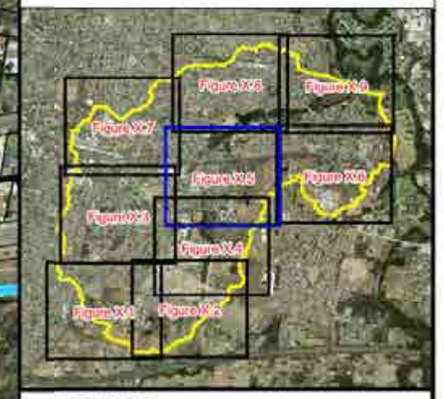
Figure 21.4:
Peak Design Floodwater Depths for the 0.2% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig21.4 Design floodwater depths for 0.2% AEP.wor

PENRITH CITY COUNCIL



Penrith & Districts Basketball Association
Herbert Street
Victoria Street
Railway
Cottage Street
Burton Street
George Street
Second Ave
O'Connell Street
Great Western Highway
Nepean College Kingswood
Lamrock Reserve

Preliminary flood behaviour across this area is based upon design terrain information which may not reflect final topography. Therefore, the results shown in this area are preliminary and subject to further confirmation through the finalisation of the subdivision

LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 21.5: Peak Design Floodwater Depths for the 0.2% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig21.5 Design floodwater depths for 0.2% AEP.wor

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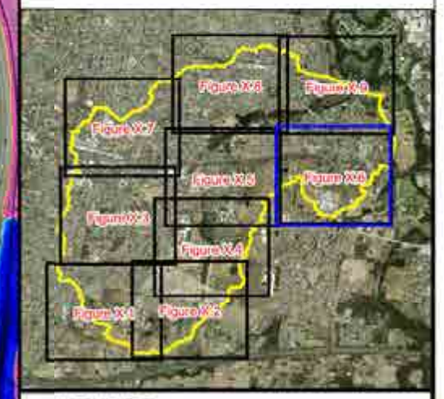


LEGEND

Depths (m)

- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

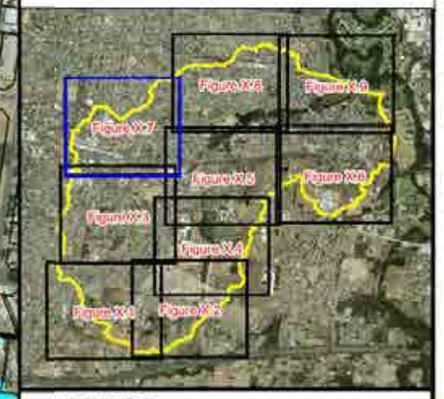
Figure 21.6: Peak Design Floodwater Depths for the 0.2% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig21.6 Design floodwater depths for 0.2% AEP.wor

PENRITH CITY COUNCIL



LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 21.7: Peak Design Floodwater Depths for the 0.2% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig21.7 Design floodwater depths for 0.2% AEP.wor

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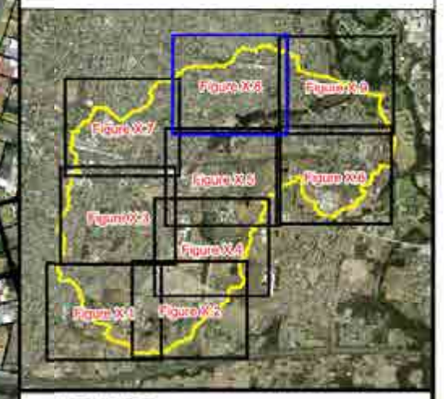

LEGEND

Depths (m)

- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 21.8:
Peak Design Floodwater Depths for the 0.2% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig21.8 Design floodwater depths for 0.2% AEP.wor

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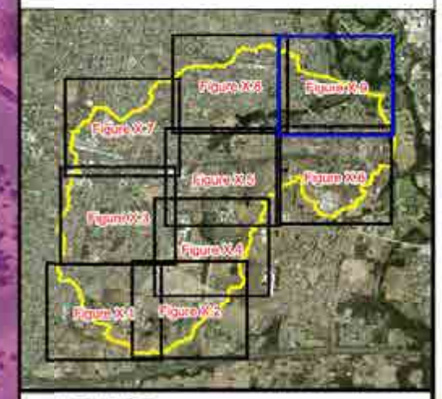

LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 21.9:
Peak Design Floodwater Depths for the 0.2% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig21.9 Design floodwater depths for 0.2% AEP.wor

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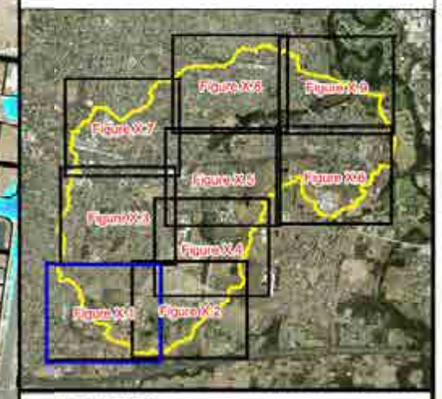

LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 22.1:
Peak Design Floodwater Depths for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig22.1 Design floodwater depths for PMF.wor

PENRITH
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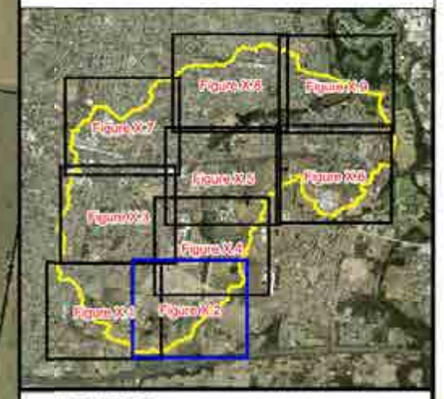


LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

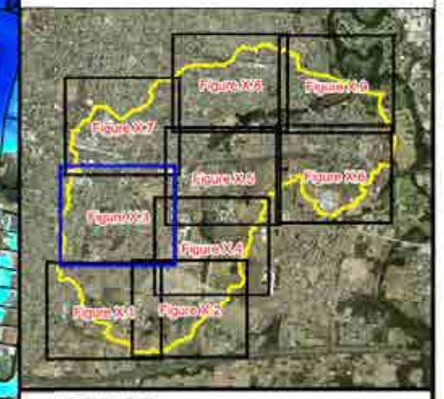
Km

Figure 22.2:
Peak Design Floodwater Depths for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig22.2 Design floodwater depths for PMF.wor

PENRITH CITY COUNCIL



LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

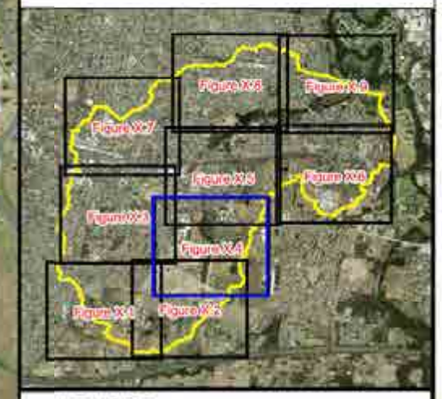
Km

Figure 22.3: Peak Design Floodwater Depths for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig22.3 Design floodwater depths for PMF.wor

PENRITH CITY COUNCIL



LEGEND

Depths (m)

- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

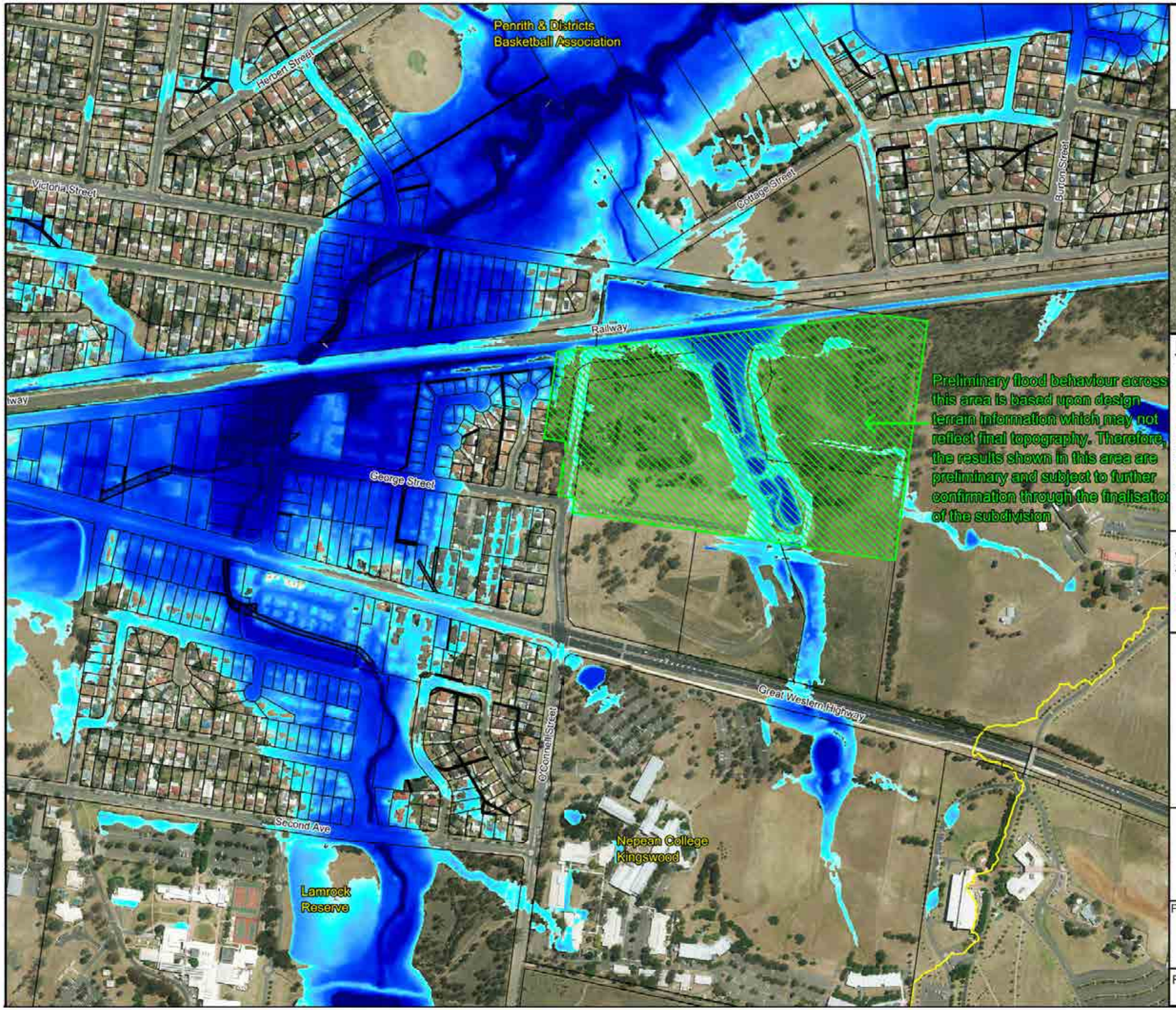
0 0.15 0.3

Km

Figure 22.4: Peak Design Floodwater Depths for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig22.4 Design floodwater depths for PMF.wor



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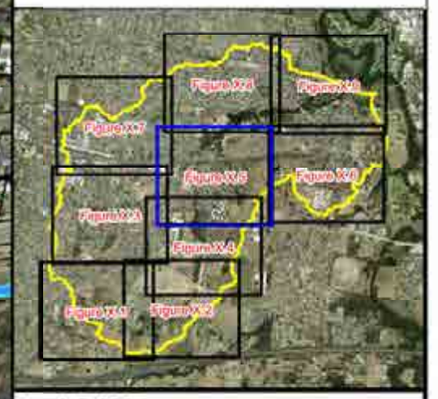


LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

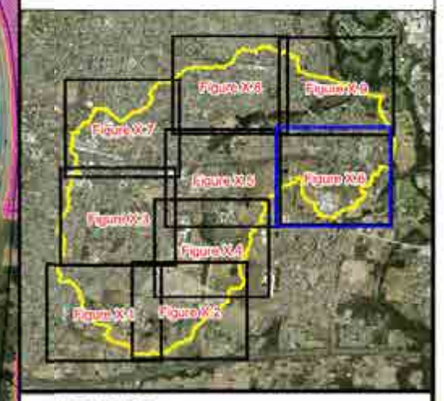
Figure 22.5:
Peak Design Floodwater Depths for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig22.5 Design floodwater depths for PMF.wor

Werrington Public School
Colonial Hotel
Victoria Street
Albert Street
Parkes Ave
Werrington Station
Walker Street
Werrington Road
Cobham Remand Centre
Great Western Highway

PENRITH CITY COUNCIL



LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

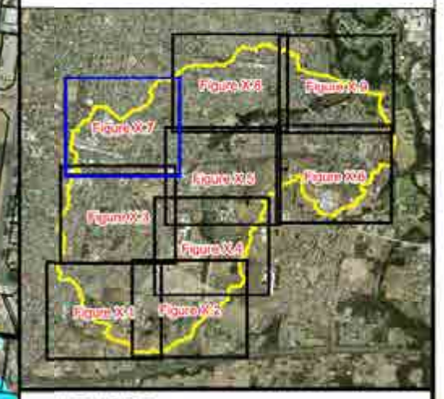
0 0.15 0.3
Km

Figure 22.6: Peak Design Floodwater Depths for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig22.6 Design floodwater depths for PMF.wor

PENRITH CITY COUNCIL



LEGEND

Depths (m)

- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 22.7: Peak Design Floodwater Depths for the PMF

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig22.7 Design floodwater depths for PMF.wor

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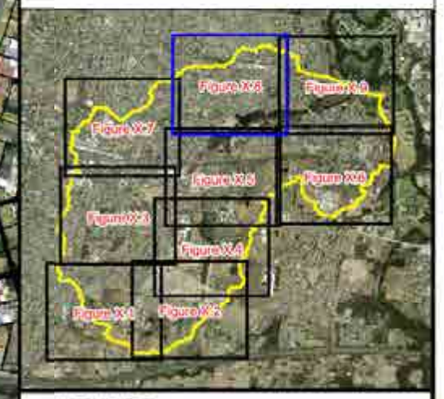

LEGEND

Depths (m)

- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 22.8:
Peak Design Floodwater Depths for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig22.8 Design floodwater depths for PMF.wor

PENRITH
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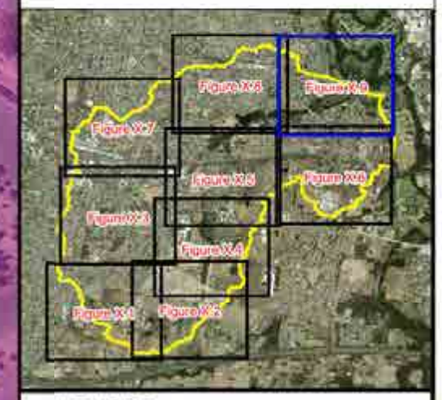


LEGEND

Depths (m)
- 0.15
- 0.20
- 0.30
- 0.50
- 1.00
- 2.00
- 3.00

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

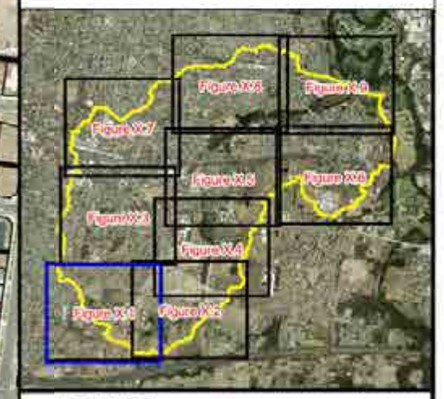
Km

Figure 22.9:
Peak Design Floodwater Depths for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig22.9 Design floodwater depths for PMF.wor

PENRITH CITY COUNCIL



LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 23.1:
Peak Design Floodwater Levels for the 1 in 2 year ARI Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig23.1 Design floodwater levels for the 1 in 2 year ARI Flood.wor

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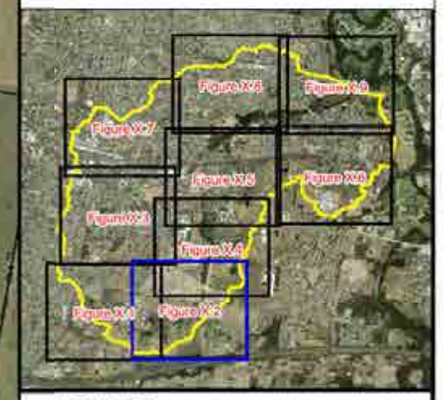

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

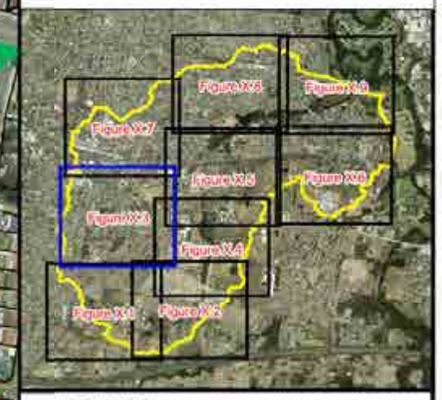
Figure 23.2: Peak Design Floodwater Levels for the 1 in 2 year ARI Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig23.2 Design floodwater levels for the 1 in 2 year ARI Flood.wor

PENRITH CITY COUNCIL

Nepean Hospital
Railway
Kingswood Sports Club
Chapman Gardens
Somerset Street
Second Avenue
Jamison Road
Bringelly Road
Peppermint Crescent
Peppermint Reserve
Manning Street
Smith Street
Kingswood South Public School
Kingswood High School
Castanea Circuit



LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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S

Scale 1:5,000 (at A3)

0 0.15 0.3 Km

Figure 23.3:
Peak Design Floodwater Levels for the 1 in 2 year ARI Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig23.3 Design floodwater levels for the 1 in 2 year ARI Flood.wor

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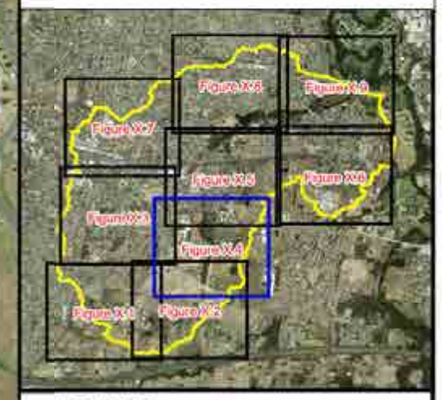

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

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Aerial photograph date: 2014.

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N
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S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 23.4:
Peak Design Floodwater Levels for the 1 in 2 year ARI Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig23.4 Design floodwater levels for the 1 in 2 year ARI Flood.wor

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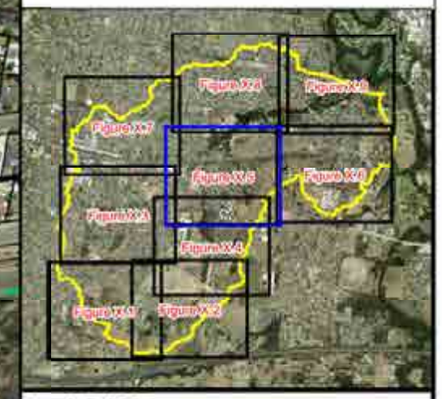

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Preliminary flood behaviour across this area is based upon design terrain information which may not reflect final topography. Therefore, the results shown in this area are preliminary and subject to further confirmation through the finalisation of the subdivision

Penrith & Districts Basketball Association

Herbert Street

Victoria Street

Cottage Street

Burton Street

Railway

George Street

Second Ave

O'Connell Street

Great Western Highway

Nepean College Kingswood

Lamrock Reserve

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 23.5:
Peak Design Floodwater Levels for the 1 in 2 year ARI Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig23.5 Design floodwater levels for the 1 in 2 year ARI Flood.wor

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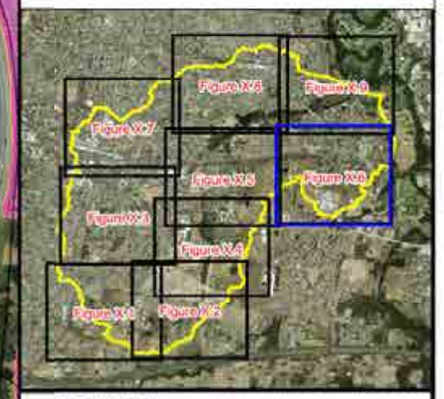

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3 Km

Figure 23.6: Peak Design Floodwater Levels for the 1 in 2 year ARI Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig23.6 Design floodwater levels for the 1 in 2 year ARI Flood.wor

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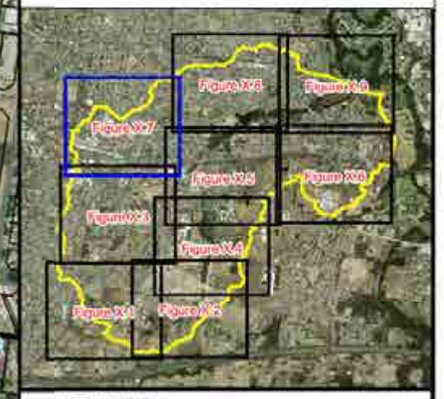

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 23.7: Peak Design Floodwater Levels for the 1 in 2 year ARI Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig23.7 Design floodwater levels for the 1 in 2 year ARI Flood.wor

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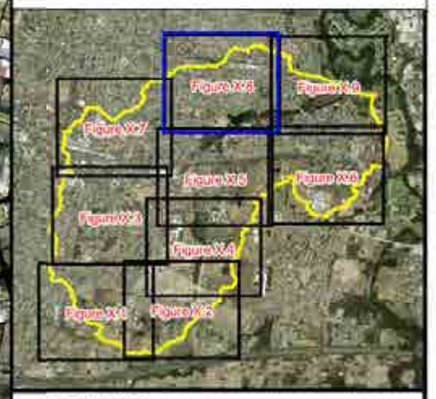

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 23.8: Peak Design Floodwater Levels for the 1 in 2 year ARI Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig23.8 Design floodwater levels for the 1 in 2 year ARI Flood.wor

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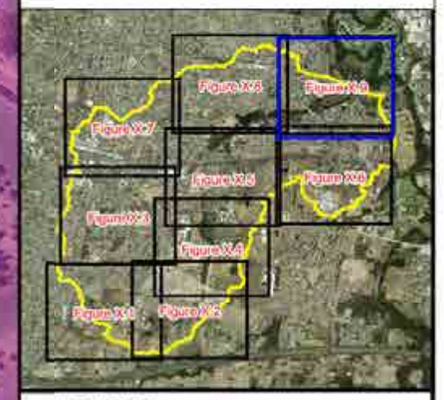

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

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Drainage Easement

Notes:

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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 23.9:
Peak Design Floodwater Levels for the 1 in 2 year ARI Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig23.9 Design floodwater levels for the 1 in 2 year ARI Flood.wor

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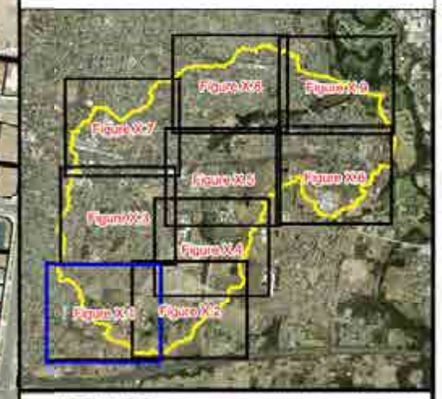

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 24.1:
Peak Design Floodwater Levels for the 20% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig24.1 Design floodwater levels for 20% AEP.wor

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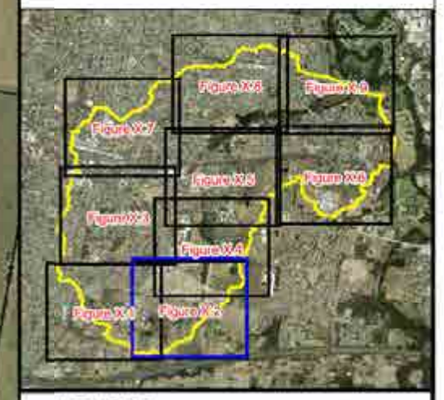

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 24.2:
Peak Design Floodwater Levels for the 20% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig24.2 Design floodwater levels for 20% AEP.wor

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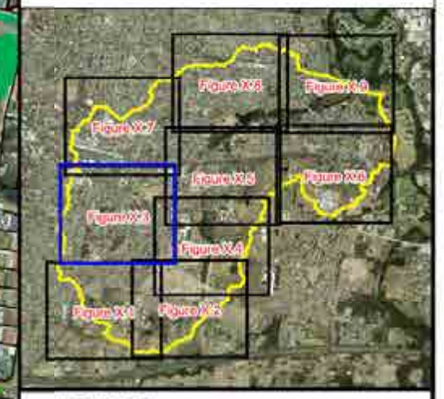

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 — Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

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N
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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 24.3: Peak Design Floodwater Levels for the 20% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig24.3 Design floodwater levels for 20% AEP.wor

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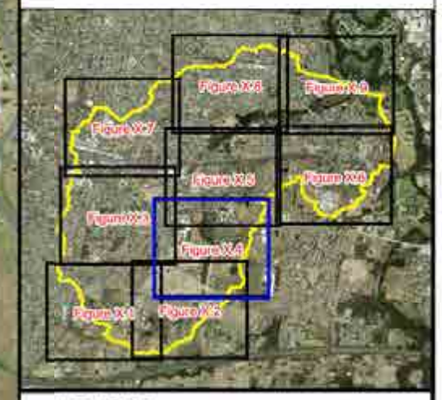

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 24.4: Peak Design Floodwater Levels for the 20% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig24.4 Design floodwater levels for 20% AEP.wor

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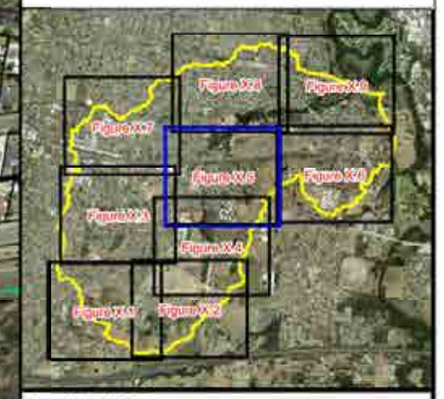

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

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Penrith & Districts Basketball Association

Herbert Street

Victoria Street

Cottage Street

Burton Street

Railway

George Street

Great Western Highway

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Second Ave

Lamrock Reserve

Nepean College Kingswood

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 24.5:
Peak Design Floodwater Levels for the 20% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig24.5 Design floodwater levels for 20% AEP.wor

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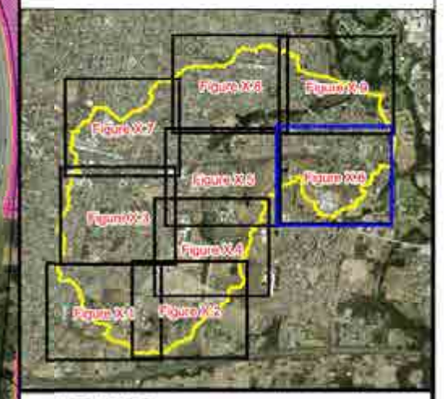

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

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N
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S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 24.6:
Peak Design Floodwater Levels for the 20% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig24.6 Design floodwater levels for 20% AEP.wor

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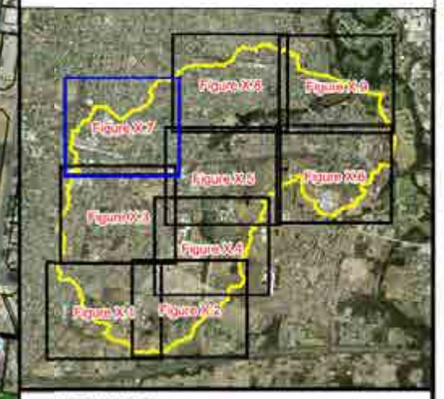

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

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N
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S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 24.7: Peak Design Floodwater Levels for the 20% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig24.7 Design floodwater levels for 20% AEP.wor

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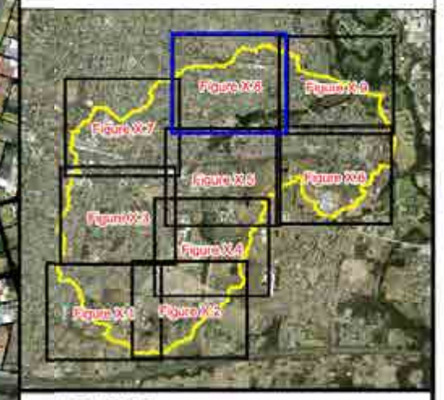

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

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Aerial photograph date: 2014.

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N
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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 24.8: Peak Design Floodwater Levels for the 20% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig24.8 Design floodwater levels for 20% AEP.wor

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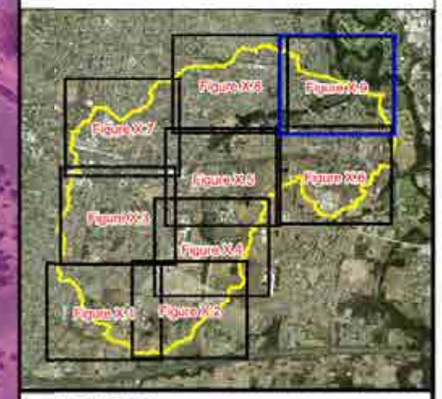

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

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Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 24.9: Peak Design Floodwater Levels for the 20% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig24.9 Design floodwater levels for 20% AEP.wor

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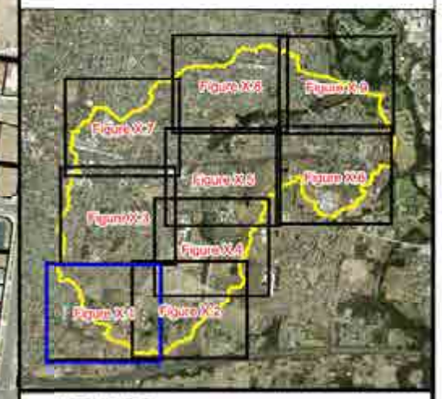

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

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Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 25.1:
Peak Design Floodwater Levels for the 10% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig25.1 Design floodwater levels for 10% AEP.wor

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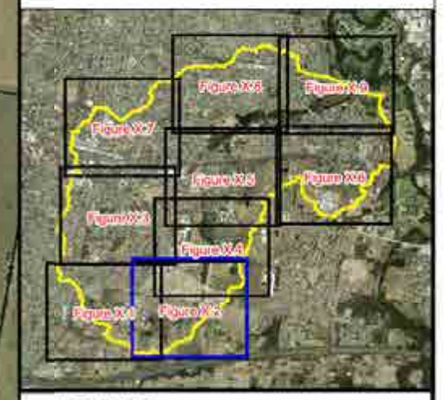

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 25.2:
Peak Design Floodwater Levels for the 10% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig25.2 Design floodwater levels for 10% AEP.wor

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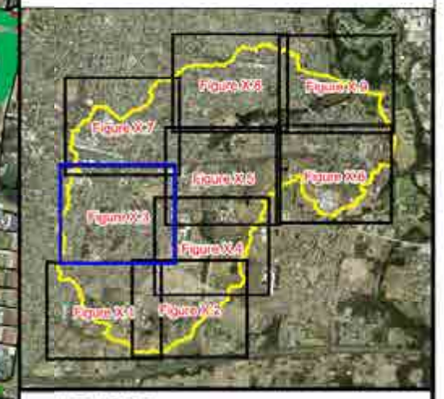

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 25.3: Peak Design Floodwater Levels for the 10% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig25.3 Design floodwater levels for 10% AEP.wor

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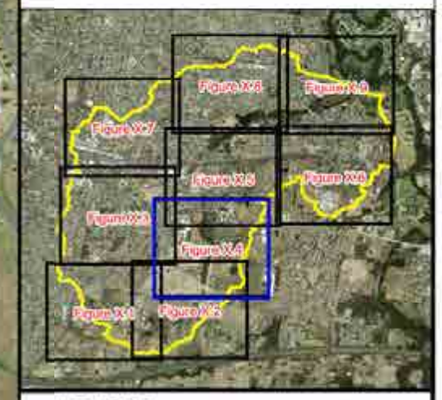

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 25.4:
Peak Design Floodwater Levels for the 10% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig25.4 Design floodwater levels for 10% AEP.wor

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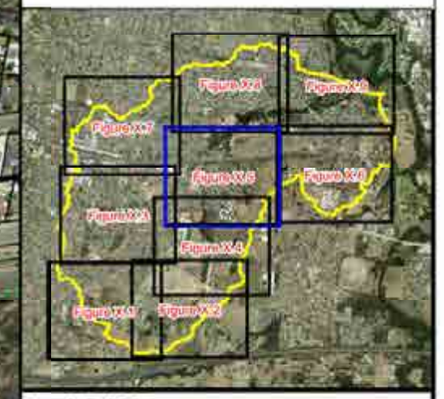


LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Preliminary flood behaviour across this area is based upon design terrain information which may not reflect final topography. Therefore, the results shown in this area are preliminary and subject to further confirmation through the finalisation of the subdivision

Penrith & Districts Basketball Association

Herbert Street

Victoria Street

Cottage Street

Burton Street

Railway

George Street

Great Western Highway

O'Connell Street

Second Ave

Lamrock Reserve

Nepean College Kingswood

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

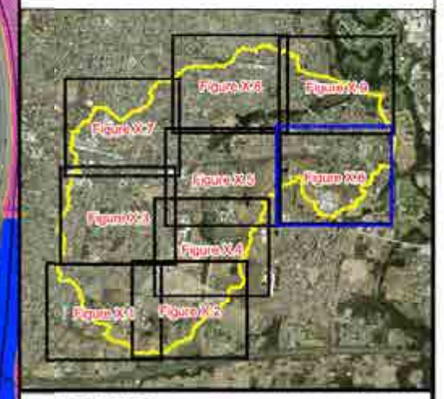
Figure 25.5:
Peak Design Floodwater Levels for the 10% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig25.5 Design floodwater levels for 10% AEP.wor

PENRITH CITY COUNCIL



LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 25.6:
Peak Design Floodwater Levels for the 10% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig25.6 Design floodwater levels for 10% AEP.wor

PENRITH
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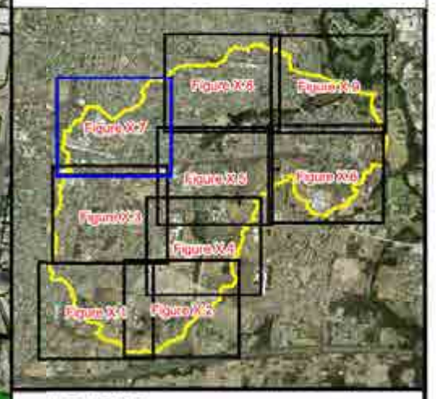

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 25.7: Peak Design Floodwater Levels for the 10% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig25.7 Design floodwater levels for 10% AEP.wor

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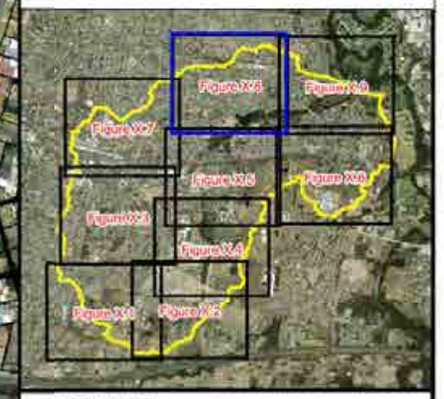


LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

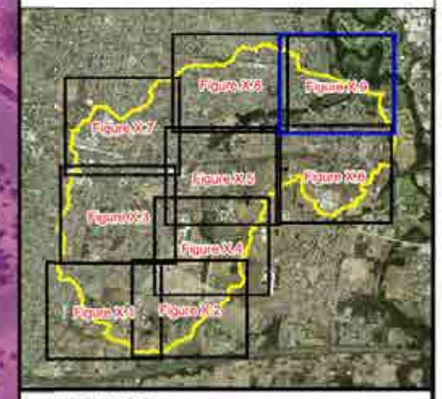
Figure 25.8: Peak Design Floodwater Levels for the 10% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig25.8 Design floodwater levels for 10% AEP.wor

PENRITH CITY COUNCIL



LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 25.9: Peak Design Floodwater Levels for the 10% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig25.9 Design floodwater levels for 10% AEP.wor

PENRITH
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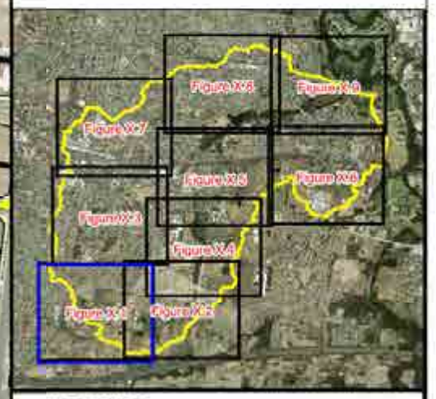

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 26.1:
Peak Design Floodwater Levels for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig26.1 Design floodwater levels for 5% AEP.wor

PENRITH
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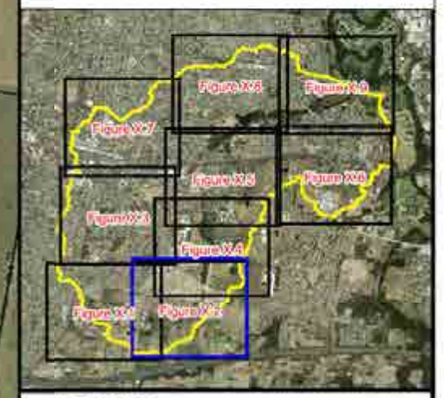


LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

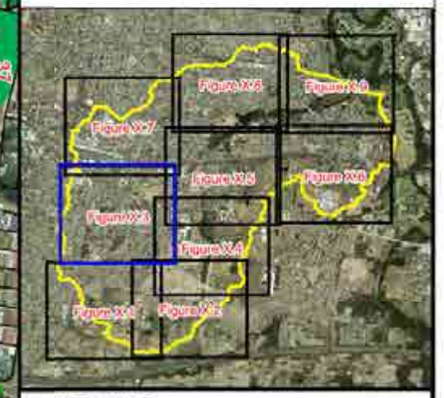
Km

Figure 26.2: Peak Design Floodwater Levels for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig26.2 Design floodwater levels for 5% AEP.wor

PENRITH CITY COUNCIL



LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

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N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

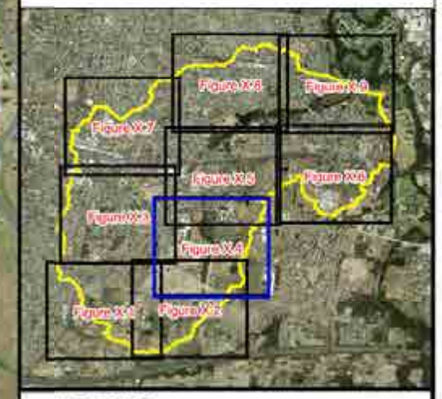
Figure 26.3: Peak Design Floodwater Levels for the 5% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig26.3 Design floodwater levels for 5% AEP.wor

PENRITH CITY COUNCIL



LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

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N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 26.4: Peak Design Floodwater Levels for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig26.4 Design floodwater levels for 5% AEP.wor

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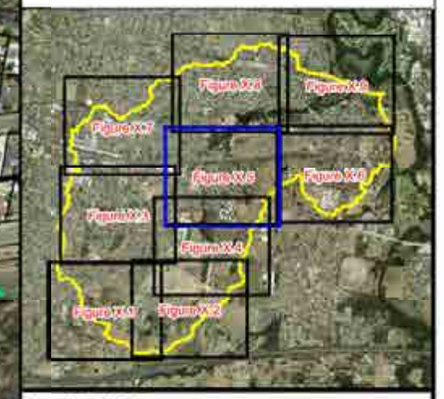

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

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Penrith & Districts Basketball Association

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Victoria Street

Cottage Street

Burton Street

Railway

George Street

O'Connell Street

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Lamrock Reserve

Nepean College Kingswood

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

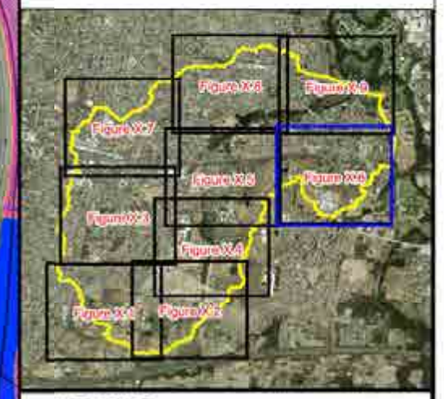
Km

Figure 26.5:
Peak Design Floodwater Levels for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig26.5 Design floodwater levels for 5% AEP.wor

PENRITH CITY COUNCIL



LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

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Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 26.6: Peak Design Floodwater Levels for the 5% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig26.6 Design floodwater levels for 5% AEP.wor

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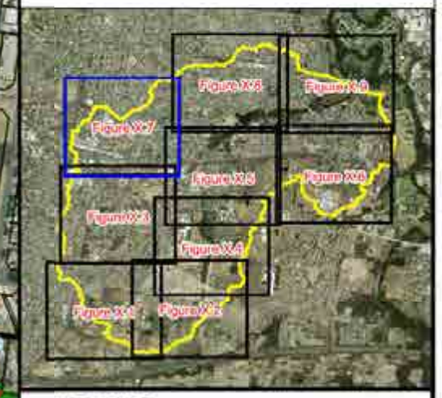

LEGEND

Flood Level (mAHD)

20
30
40
50
60
70
80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

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Aerial photograph date: 2014.

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N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 26.7: Peak Design Floodwater Levels for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig26.7 Design floodwater levels for 5% AEP.wor

PENRITH
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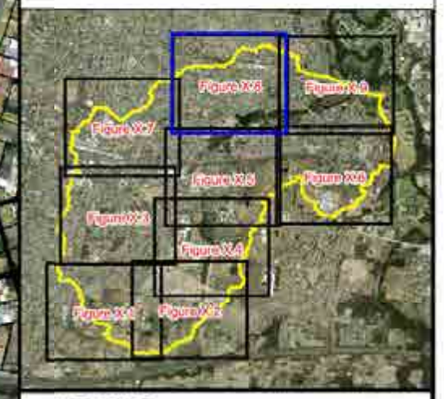

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 26.8: Peak Design Floodwater Levels for the 5% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig26.8 Design floodwater levels for 5% AEP.wor

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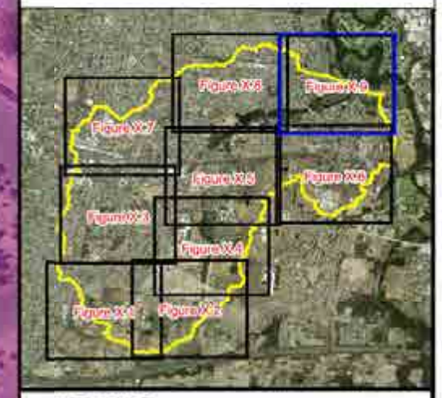

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
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Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 26.9: Peak Design Floodwater Levels for the 5% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig26.9 Design floodwater levels for 5% AEP.wor

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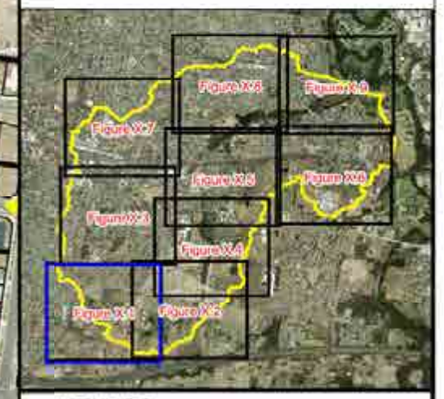

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 27.1: Peak Design Floodwater Levels for the 2% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig27.1 Design floodwater levels for 2% AEP.wor

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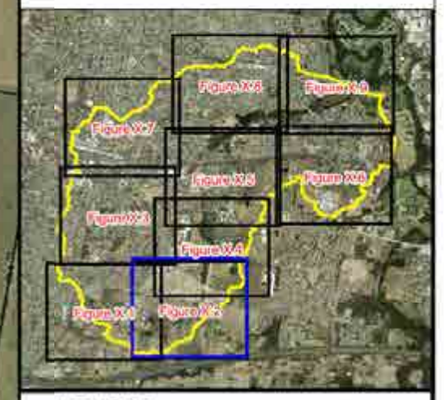

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 27.2:
Peak Design Floodwater Levels for the 2% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig27.2 Design floodwater levels for 2% AEP.wor

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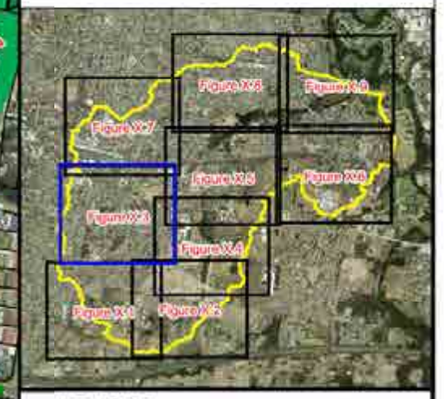

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
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Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 27.3: Peak Design Floodwater Levels for the 2% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig27.3 Design floodwater levels for 2% AEP.wor

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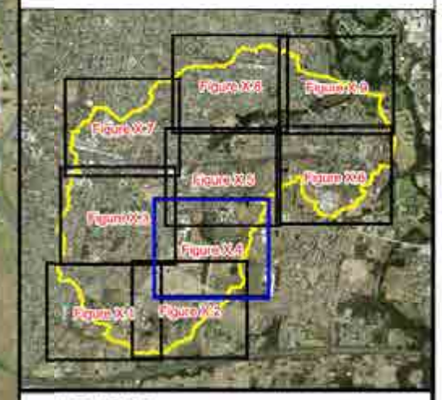


LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

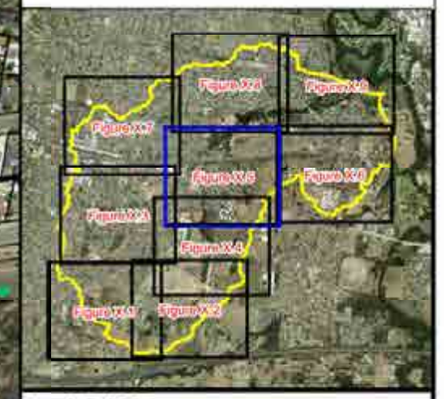
Km

Figure 27.4: Peak Design Floodwater Levels for the 2% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig27.4 Design floodwater levels for 2% AEP.wor

PENRITH CITY COUNCIL



Penrith & Districts Basketball Association

Herbert Street

Victoria Street

Cottage Street

Burton Street

Railway

George Street

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O'Connell Street

Great Western Highway

Second Ave

Lamrock Reserve

Nepean College Kingswood

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 27.5:
Peak Design Floodwater Levels for the 2% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig27.5 Design floodwater levels for 2% AEP.wor

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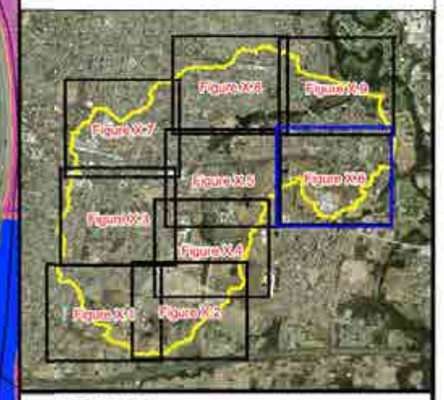

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3 Km

Figure 27.6: Peak Design Floodwater Levels for the 2% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig27.6 Design floodwater levels for 2% AEP.wor

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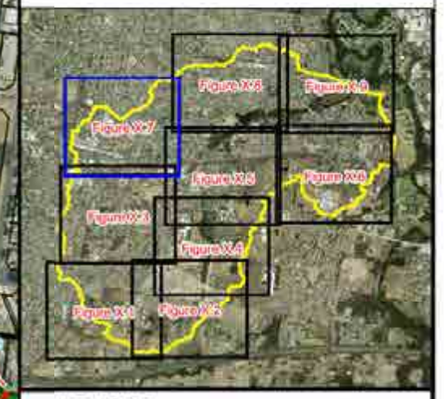

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 27.7: Peak Design Floodwater Levels for the 2% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig27.7 Design floodwater levels for 2% AEP.wor

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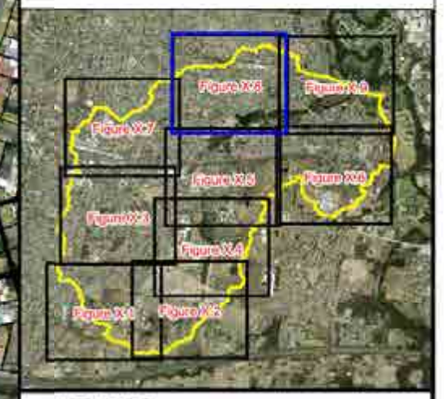

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 27.8:
Peak Design Floodwater Levels for the 2% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig27.8 Design floodwater levels for 2% AEP.wor

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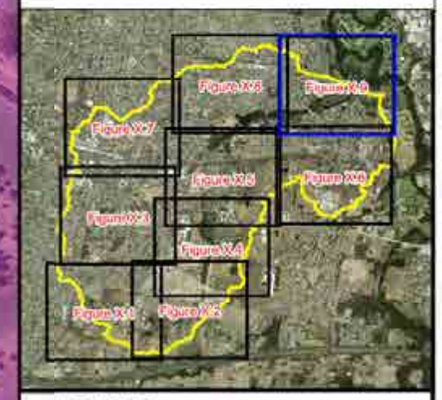

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 27.9:
Peak Design Floodwater Levels for the 2% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig27.9 Design floodwater levels for 2% AEP.wor

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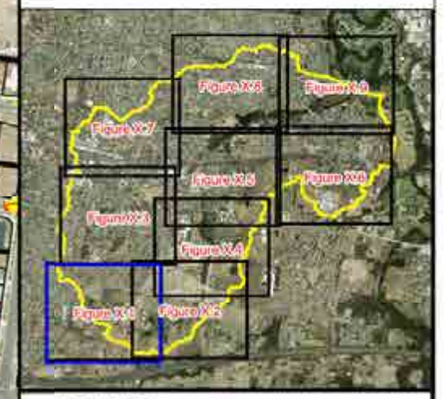

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 28.1: Peak Design Floodwater Levels for the 1% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig28.1 Design floodwater levels for 1% AEP.wor

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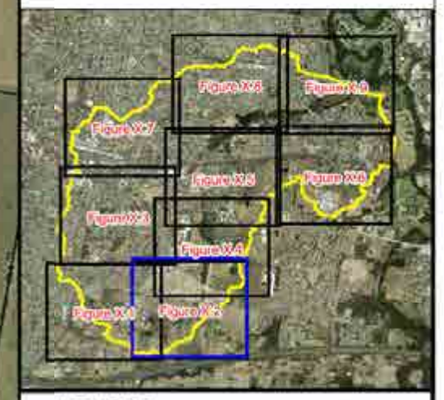

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 28.2:
Peak Design Floodwater Levels for the 1% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig28.2 Design floodwater levels for 1% AEP.wor

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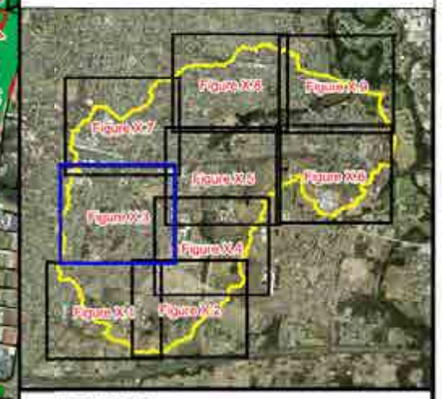

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 28.3: Peak Design Floodwater Levels for the 1% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig28.3 Design floodwater levels for 1% AEP.wor

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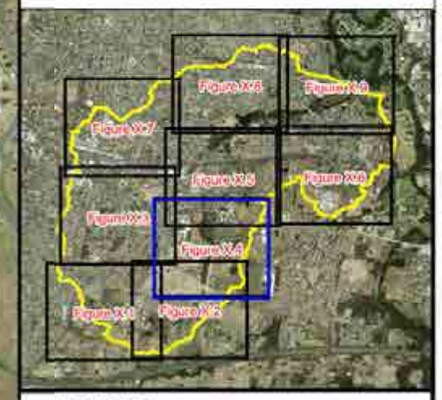

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 28.4:
Peak Design Floodwater Levels for the 1% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig28.4 Design floodwater levels for 1% AEP.wor

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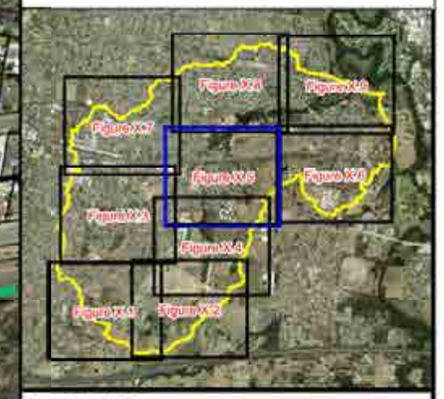

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Preliminary flood behaviour across this area is based upon design terrain information which may not reflect final topography. Therefore, the results shown in this area are preliminary and subject to further confirmation through the finalisation of the subdivision

Penrith & Districts Basketball Association

Herbert Street

Victoria Street

Cottage Street

Burton Street

Railway

George Street

O'Connell Street

Great Western Highway

Second Ave

Lamrock Reserve

Nepean College Kingswood

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 28.5:
Peak Design Floodwater Levels for the 1% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig28.5 Design floodwater levels for 1% AEP.wor

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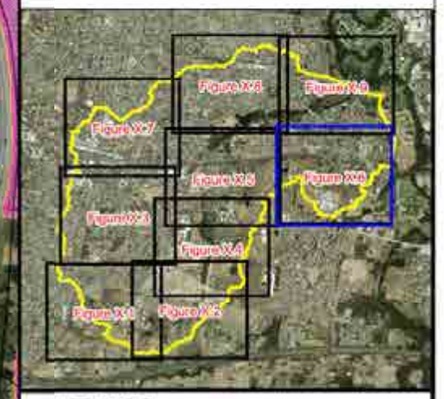

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 28.6:
Peak Design Floodwater Levels for the 1% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig28.6 Design floodwater levels for 1% AEP.wor

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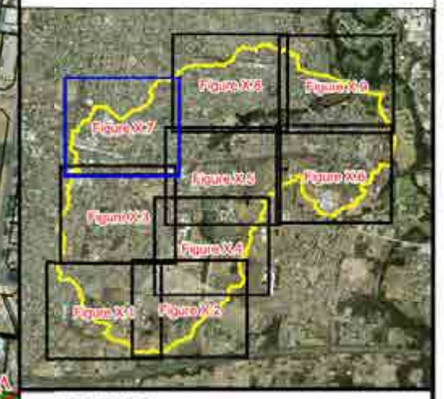

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 — Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 28.7: Peak Design Floodwater Levels for the 1% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig28.7 Design floodwater levels for 1% AEP.wor

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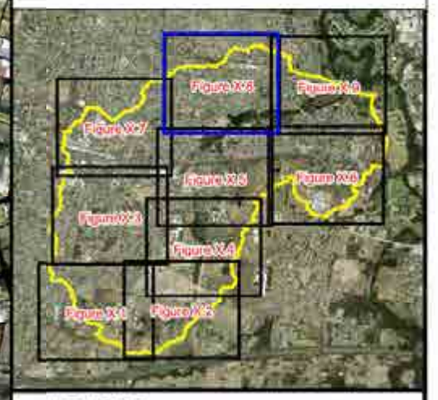

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 28.8:
Peak Design Floodwater Levels for the 1% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig28.8 Design floodwater levels for 1% AEP.wor

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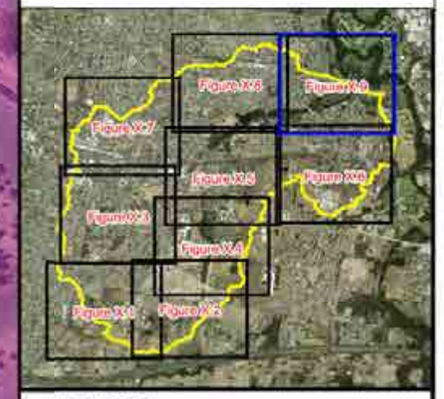

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 28.9:
Peak Design Floodwater Levels for the 1% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig28.9 Design floodwater levels for 1% AEP.wor

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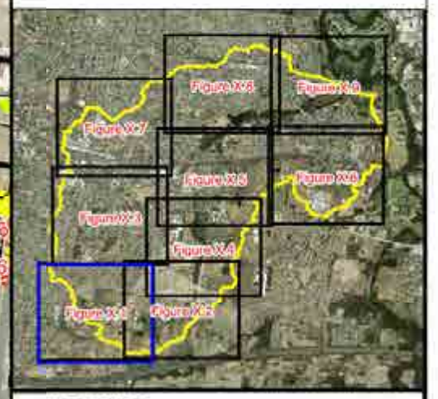

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 29.1: Peak Design Floodwater Levels for the 0.5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig29.1 Design floodwater Levels for 0.5% AEP.wor

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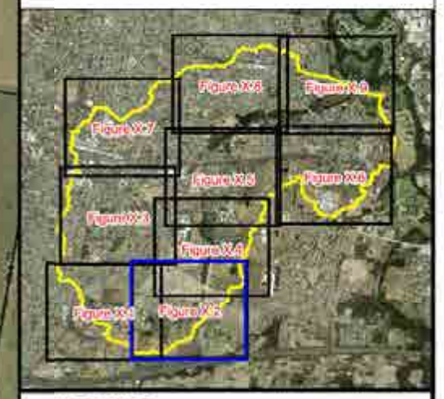

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 29.2: Peak Design Floodwater Levels for the 0.5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig29.2 Design floodwater Levels for 0.5% AEP wor

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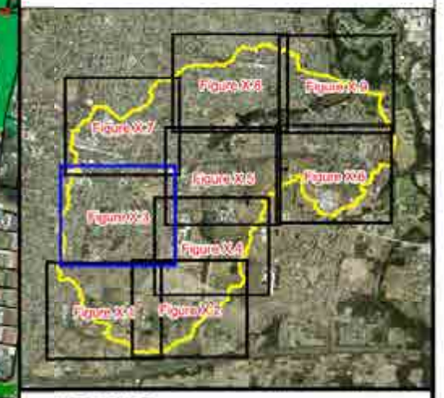

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 29.3: Peak Design Floodwater Levels for the 0.5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig29.3 Design floodwater Levels for 0.5% AEP.wor

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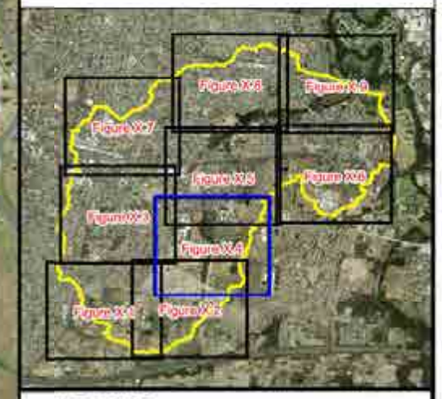

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 29.4: Peak Design Floodwater Levels for the 0.5% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig29.4 Design floodwater Levels for 0.5% AEP.wor

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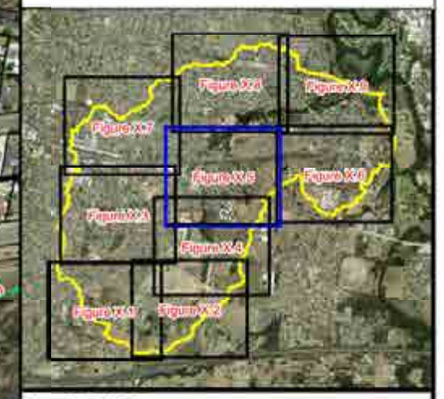


LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

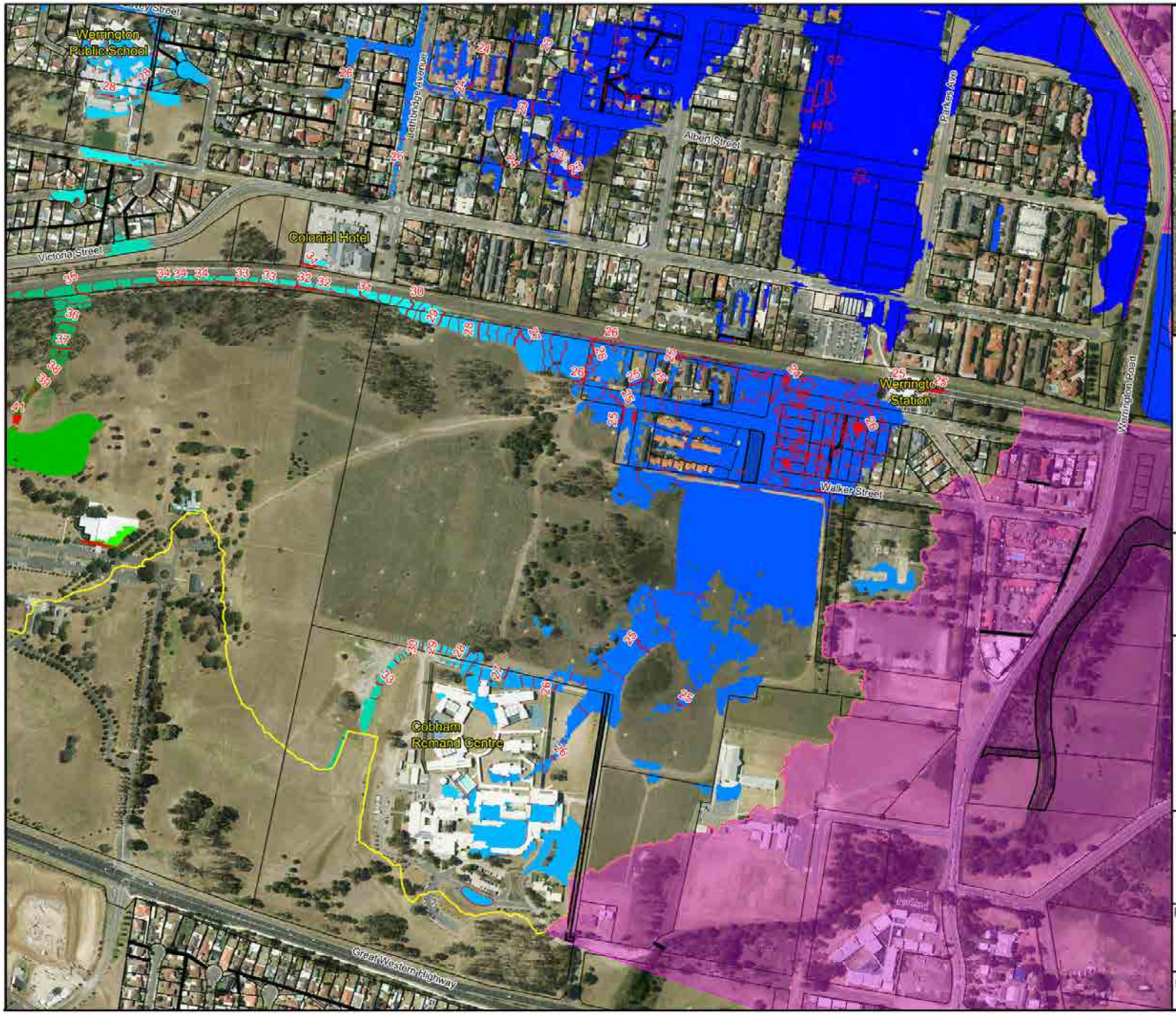
Km

Figure 29.5:
Peak Design Floodwater Levels for the 0.5% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig29.5 Design floodwater Levels for 0.5% AEP.wor



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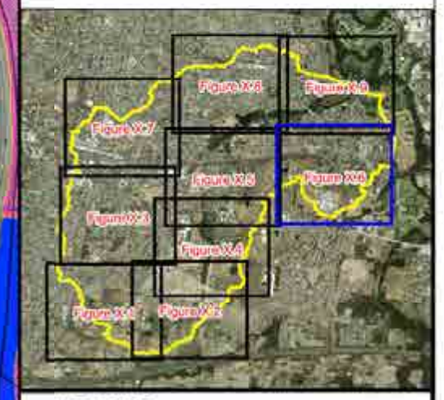

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 29.6: Peak Design Floodwater Levels for the 0.5% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig29.6 Design floodwater Levels for 0.5% AEP.wor

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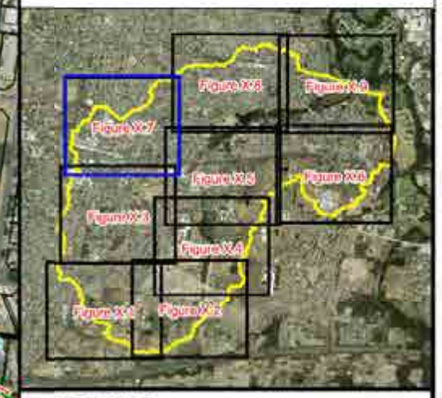

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 — Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 29.7: Peak Design Floodwater Levels for the 0.5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig29.7 Design floodwater Levels for 0.5% AEP wor

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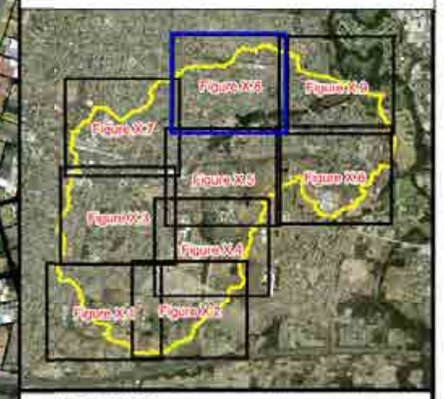

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 29.8:
Peak Design Floodwater Levels for the 0.5% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig29.8 Design floodwater Levels for 0.5% AEP wor

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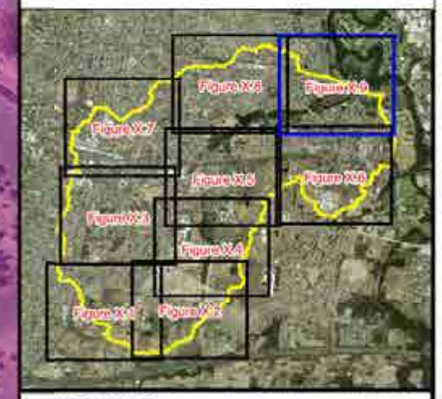

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 29.9: Peak Design Floodwater Levels for the 0.5% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig29.9 Design floodwater Levels for 0.5% AEP wor

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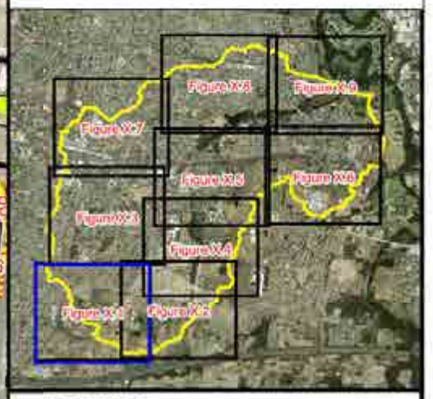

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 30.1: Peak Design Floodwater Levels for the 0.2% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig30.1 Design floodwater levels for 0.2% AEP.wor

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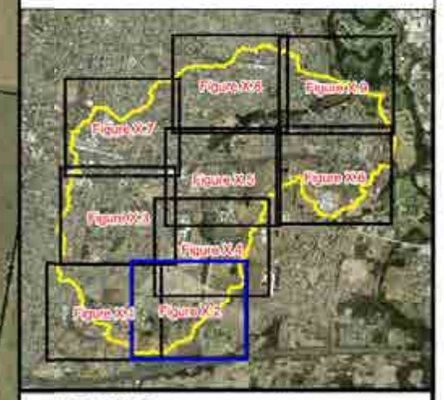

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 30.2:
Peak Design Floodwater Levels for the 0.2% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig30.2 Design floodwater levels for 0.2% AEP.wor

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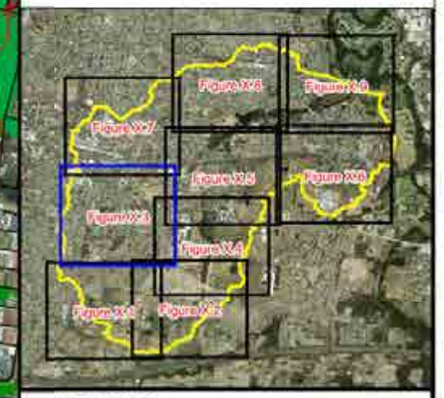

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 30.3: Peak Design Floodwater Levels for the 0.2% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig30.3 Design floodwater levels for 0.2% AEP.wor

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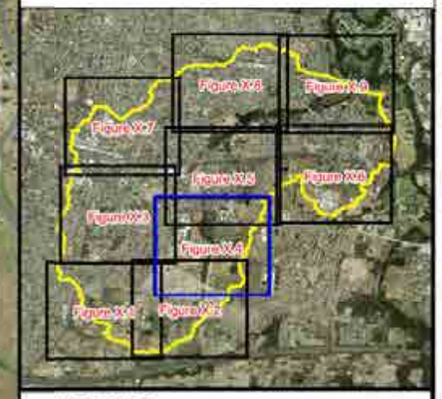

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 30.4: Peak Design Floodwater Levels for the 0.2% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig30.4 Design floodwater levels for 0.2% AEP.wor

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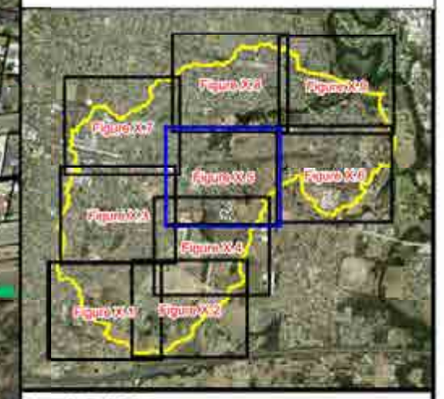

Penrith & Districts Basketball Association
Herbert Street
Victoria Street
Cottage Street
Burton Street
Railway
George Street
Preliminary flood behaviour across this area is based upon design terrain information which may not reflect final topography. Therefore, the results shown in this area are preliminary and subject to further confirmation through the finalisation of the subdivision
Great Western Highway
O'Connell Street
Second Ave
Nepean College Kingswood
Lamrock Reserve

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 30.5:
Peak Design Floodwater Levels for the 0.2% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig30.5 Design floodwater levels for 0.2% AEP.wor

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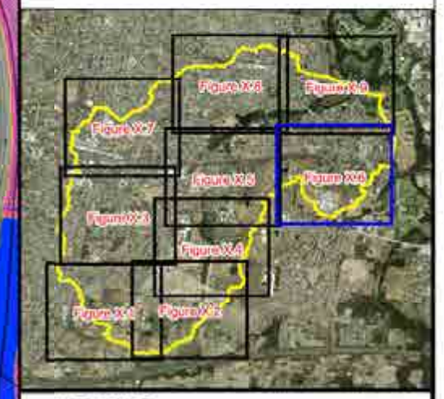

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 30.6: Peak Design Floodwater Levels for the 0.2% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig30.6 Design floodwater levels for 0.2% AEP.wor

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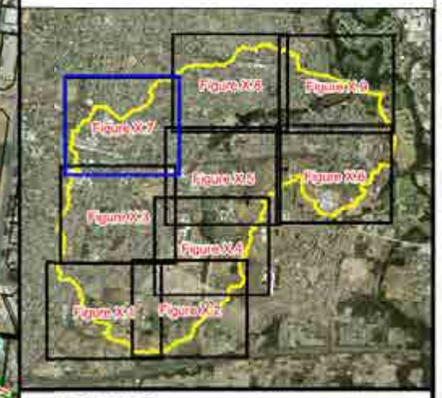

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 30.7: Peak Design Floodwater Levels for the 0.2% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig30.7 Design floodwater levels for 0.2% AEP.wor

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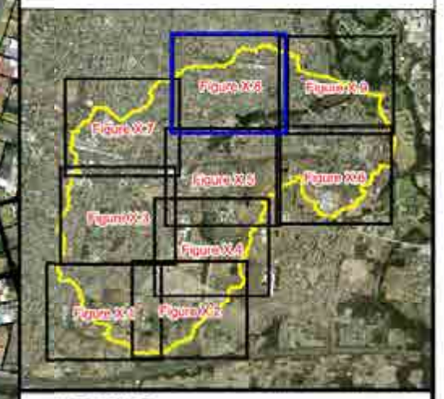

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 30.8: Peak Design Floodwater Levels for the 0.2% AEP Flood

Prepared By:

Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig30.8 Design floodwater levels for 0.2% AEP.wor

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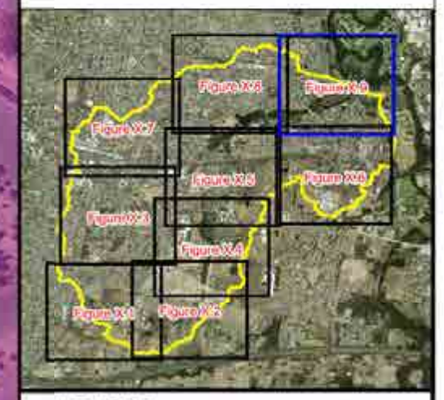

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 30.9:
Peak Design Floodwater Levels for the 0.2% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig30.9 Design floodwater levels for 0.2% AEP.wor

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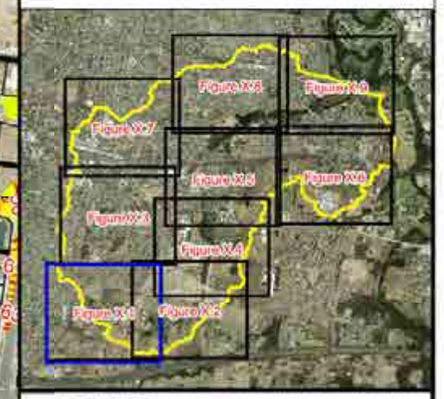

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 31.1:
Peak Design Floodwater Levels for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig31.1 Design floodwater depths for PMF.wor

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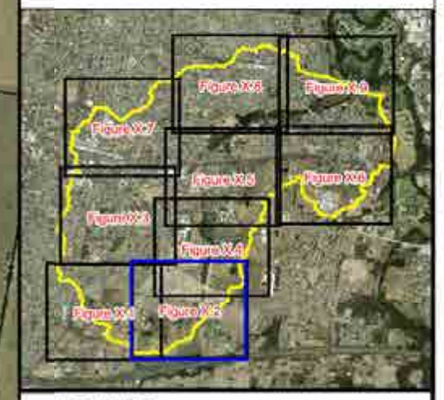

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 31.2: Peak Design Floodwater Levels for the PMF

Prepared By:

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Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig31.2 Design floodwater depths for PMF.wor

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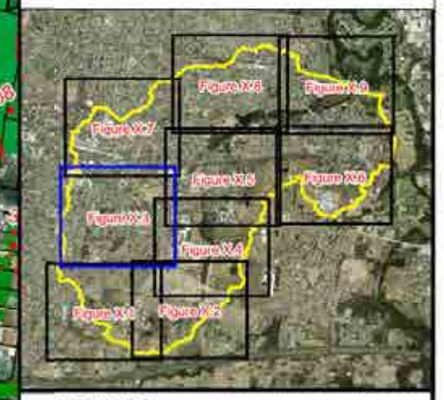

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3 Km

Figure 31.3: Peak Design Floodwater Levels for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig31.3 Design floodwater depths for PMF.wor

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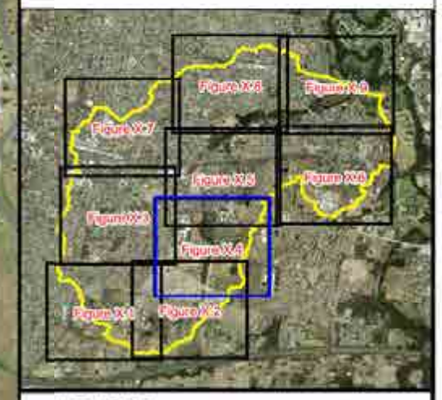

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 31.4: Peak Design Floodwater Levels for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig31.4 Design floodwater depths for PMF.wor

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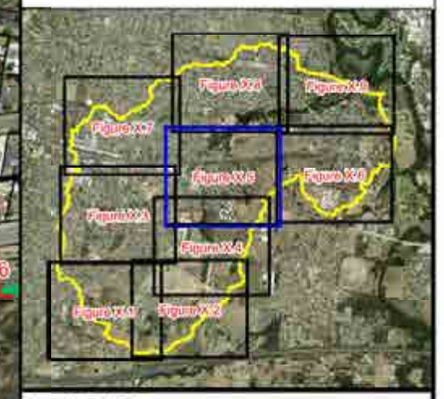

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 31.5: Peak Design Floodwater Levels for the PMF

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig31.5 Design floodwater depths for PMF.wor

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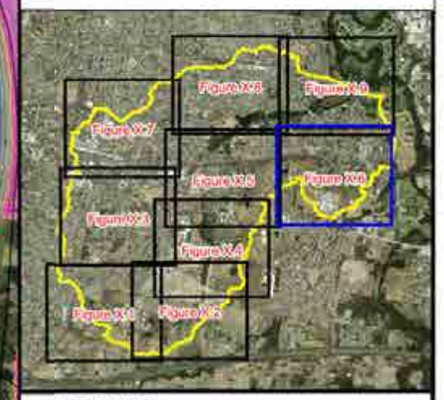

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 31.6: Peak Design Floodwater Levels for the PMF

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig31.6 Design floodwater depths for PMF.wor

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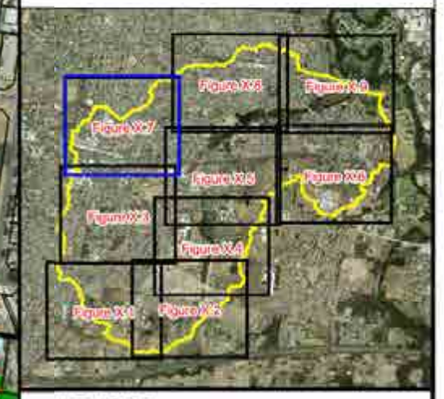

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 — Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3 Km

Figure 31.7: Peak Design Floodwater Levels for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig31.7 Design floodwater depths for PMF.wor

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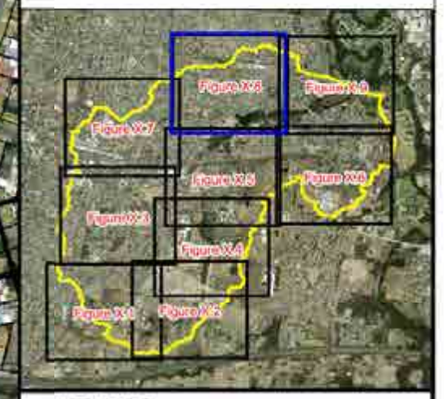

LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 31.8: Peak Design Floodwater Levels for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig31.8 Design floodwater depths for PMF.wor

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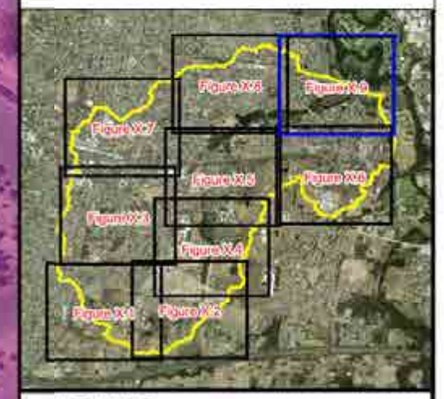


LEGEND

Flood Level (mAHD)

- 20
- 30
- 40
- 50
- 60
- 70
- 80

40 Major Peak Water Level Contour (1m Intervals)

Minor Peak Water Level Contour (0.25m Intervals)

Drainage Easement

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

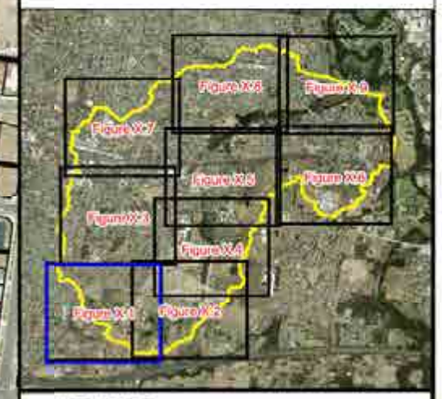
Km

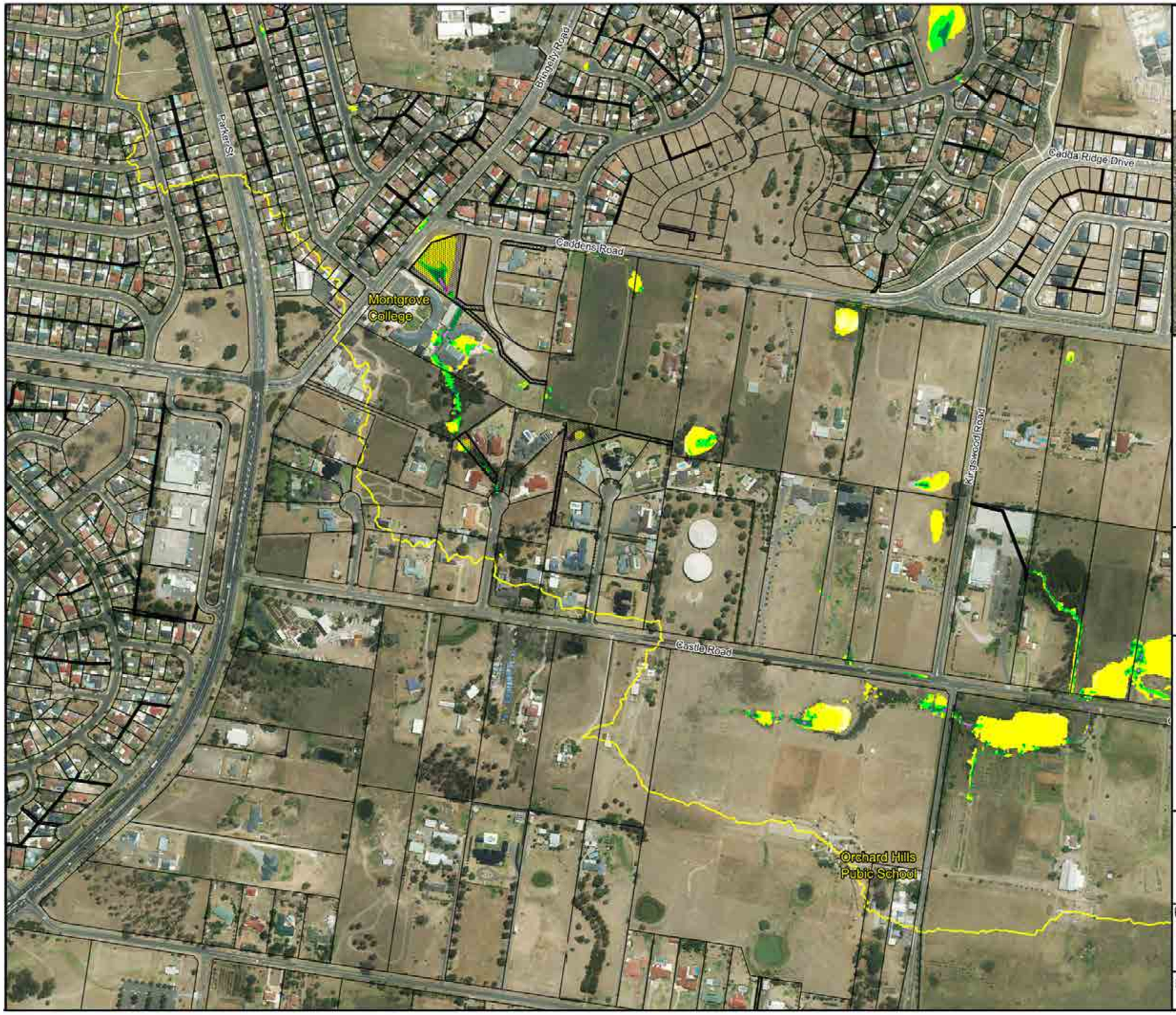
Figure 31.9: Peak Design Floodwater Levels for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig31.9 Design floodwater depths for PMF.wor

PENRITH CITY COUNCIL





LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N W E S

Scale 1:5,000 (at A3)

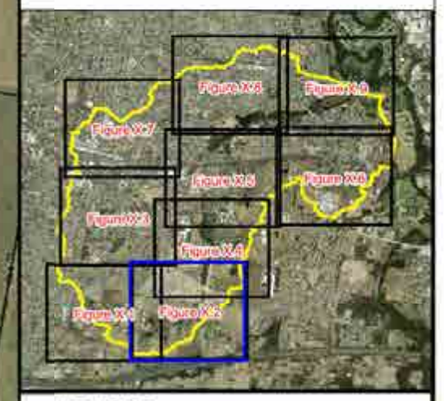
0 0.15 0.3 Km

Figure 32.1: Peak Design Floodwater Velocities for the 1 in 2 year ARI Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 32.1 Design Floodwater Vel for the 50% AEP Flood.wor

PENRITH
CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

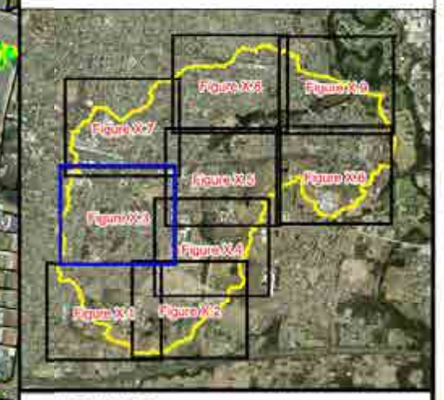
Km

Figure 32.2:
Peak Design Floodwater Velocities for the 1 in 2 year ARI Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 32.2 Design Floodwater Vel for the 50% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N W E S

Scale 1:5,000 (at A3)

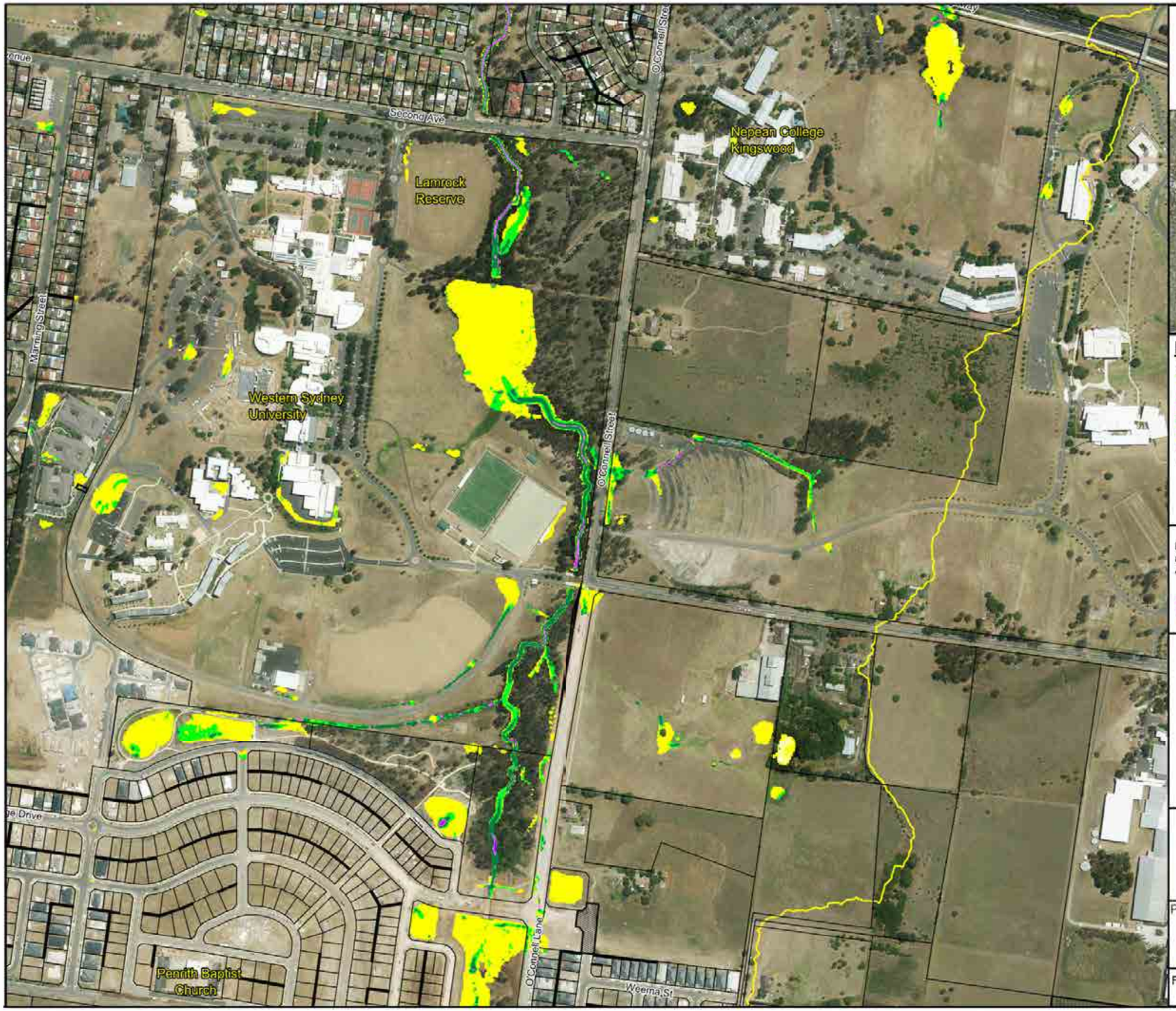
0 0.15 0.3 Km

Figure 32.3: Peak Design Floodwater Velocities for the 1 in 2 year ARI Flood

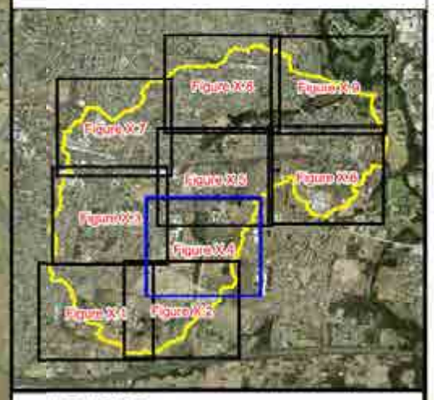
Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 32.3 Design Floodwater Vel for the 50% AEP Flood.wor



PENRITH CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3

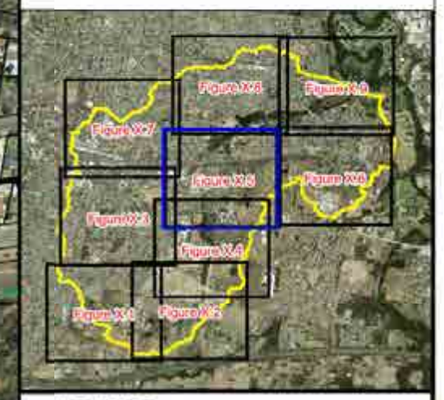
Km

Figure 32.4: Peak Design Floodwater Velocities for the 1 in 2 year ARI Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 32.4 Design Floodwater Vel for the 50% AEP Flood.wor

PENRITH CITY COUNCIL



Penrith & Districts Basketball Association
Herbert Street
Victoria Street
Railway
Cottage Street
Burton Street
George Street
O'Connell Street
Second Ave
Lamrock Reserve
Nepean College Kingswood
Great Western Highway

Preliminary flood behaviour across this area is based upon design terrain information which may not reflect final topography. Therefore, the results shown in this area are preliminary and subject to further confirmation through the finalisation of the subdivision

LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N W E S

Scale 1:5,000 (at A3)

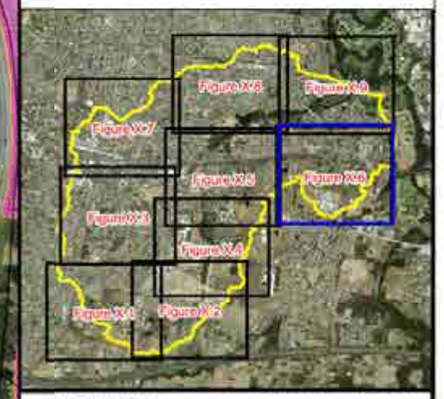
0 0.15 0.3 Km

Figure 32.5: Peak Design Floodwater Velocities for the 1 in 2 year ARI Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 32.5 Design Floodwater Vel for the 50% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N

W E

S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 32.6: Peak Design Floodwater Velocities for the 1 in 2 year ARI Flood

Prepared By:

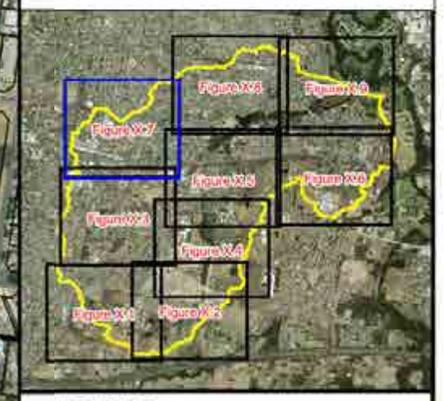
Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name:Fig 32.6 Design Floodwater Vel for the 50% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 32.7: Peak Design Floodwater Velocities for the 1 in 2 year ARI Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 32.7 Design Floodwater Vel for the 50% AEP Flood.wor

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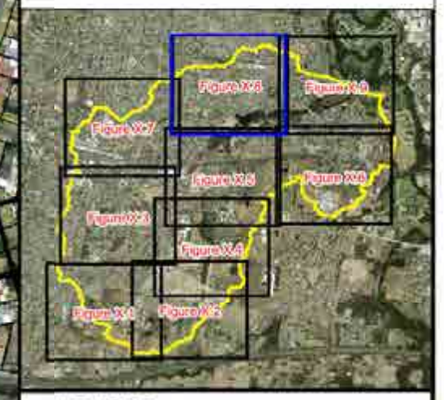

LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 32.8:
Peak Design Floodwater Velocities for the 1 in 2 year ARI Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 32.8 Design Floodwater Vel for the 50% AEP Flood.wor

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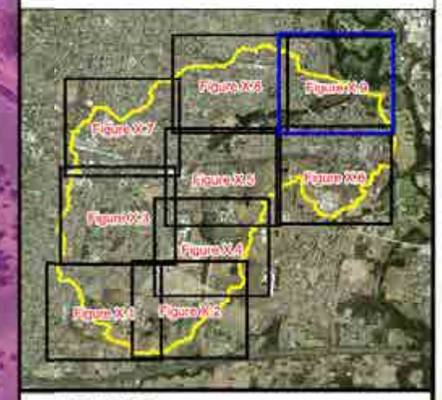


LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

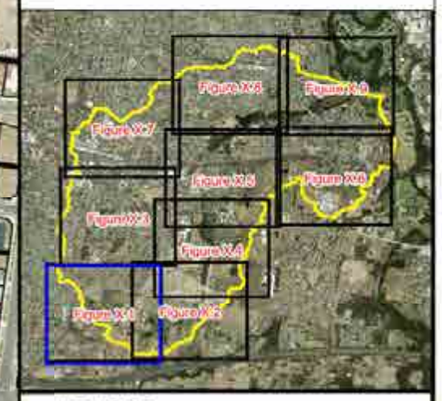
Figure 32.9:
Peak Design Floodwater Velocities for the 1 in 2 year ARI Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 32.9 Design Floodwater Vel for the 50% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Velocities (m/s)
- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 33.1: Peak Design Floodwater Velocities for the 20% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 33.1 Design Floodwater Vel for the 20% AEP Flood.wor

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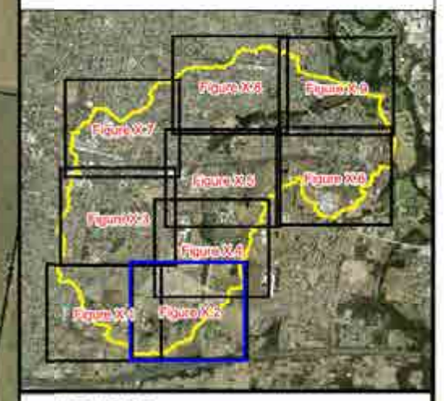


LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

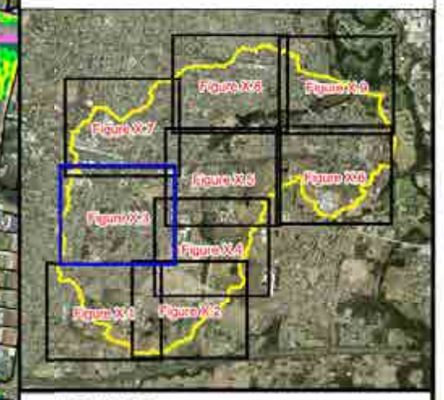
Figure 33.2: Peak Design Floodwater Velocities for the 20% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 33.2 Design Floodwater Vel for the 20% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3 Km

Figure 33.3: Peak Design Floodwater Velocities for the 20% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 33.3 Design Floodwater Vel for the 20% AEP Flood.wor

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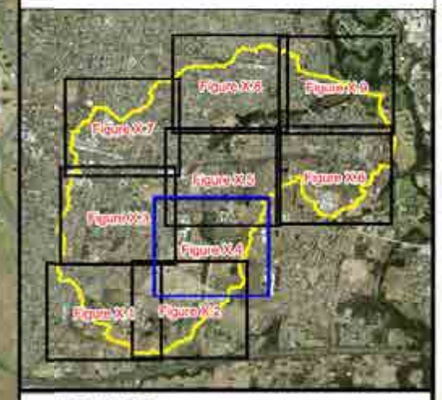

LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N

W E

S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 33.4: Peak Design Floodwater Velocities for the 20% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 33.4 Design Floodwater Vel for the 20% AEP Flood.wor

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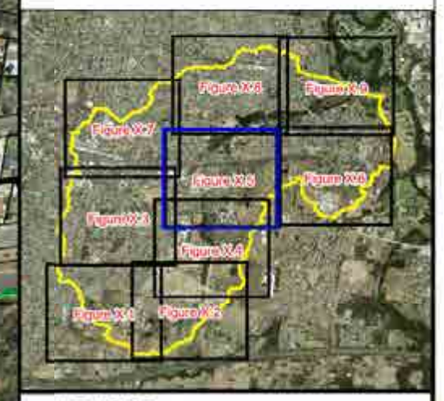

Penrith & Districts Basketball Association
Herbert Street
Victoria Street
Cottage Street
Burton Street
Railway
George Street
Preliminary flood behaviour across this area is based upon design terrain information which may not reflect final topography. Therefore, the results shown in this area are preliminary and subject to further confirmation through the finalisation of the subdivision
O'Connell Street
Great Western Highway
Second Ave
Lamrock Reserve
Nepean College Kingswood

LEGEND

Velocities (m/s)
- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:
Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.
Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)
0 0.15 0.3
Km

Figure 33.5: Peak Design Floodwater Velocities for the 20% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 33.5 Design Floodwater Vel for the 20% AEP Flood.wor

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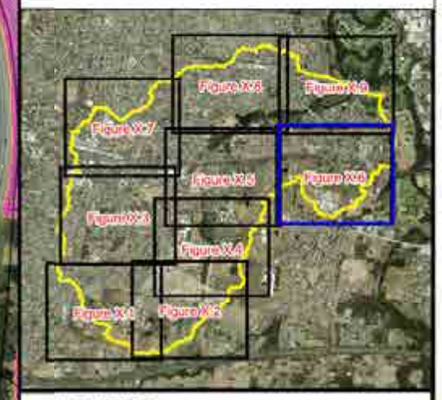


LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N

W E

S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

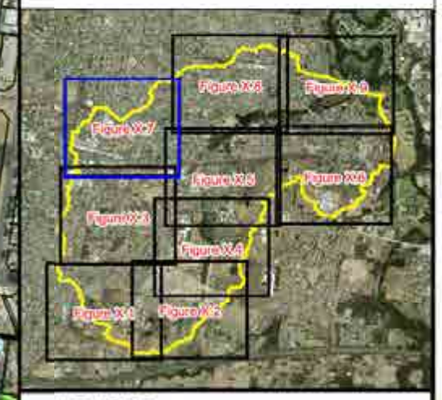
Figure 33.6: Peak Design Floodwater Velocities for the 20% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 33.6 Design Floodwater Vel for the 20% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N

W E

S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 33.7: Peak Design Floodwater Velocities for the 20% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 33.7 Design Floodwater Vel for the 20% AEP Flood.wor

PENRITH
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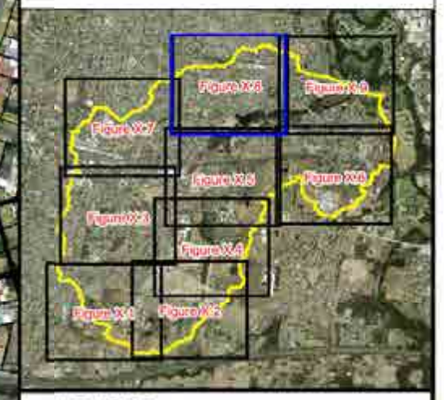


LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

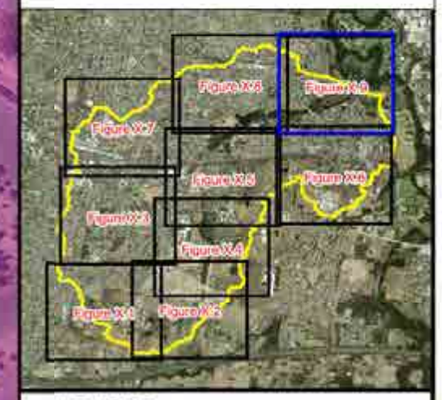
Figure 33.8:
Peak Design Floodwater Velocities for the 20% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 33.8 Design Floodwater Vel for the 20% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

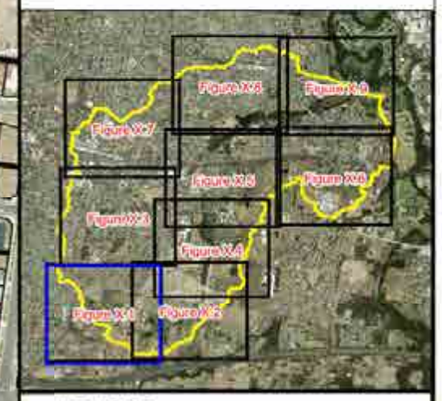
Km

Figure 33.9: Peak Design Floodwater Velocities for the 20% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 33.9 Design Floodwater Vel for the 20% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N W E S

Scale 1:5,000 (at A3)

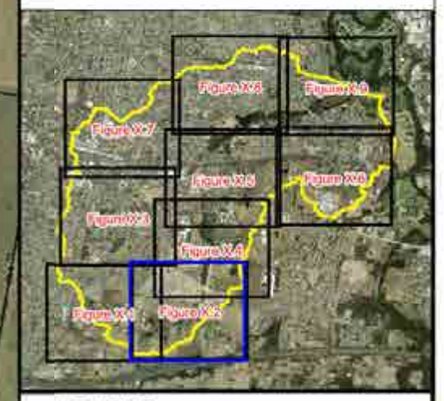
0 0.15 0.3 Km

Figure 34.1: Design Floodwater Velocities for the 10% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 34.1 Design Floodwater Vel for the 10% AEP Flood.wor

PENRITH CITY COUNCIL



Cadda Ridge Drive

Penrith Baptist Church

O'Connell Lane

Weema St

Caddens Road

Kingswood Road

Castle Road

Ulm Road

rd Hills School

LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 34.2: Design Floodwater Velocities for the 10% AEP Flood

Prepared By:

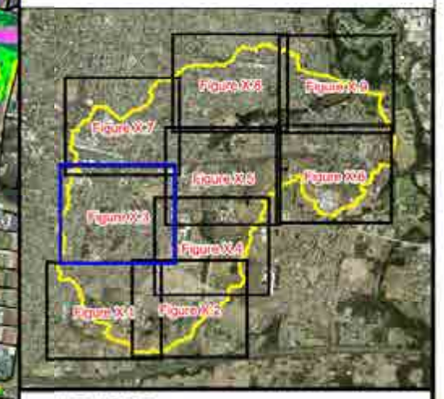
Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name:Fig 34.2 Design Floodwater Vel for the 10% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

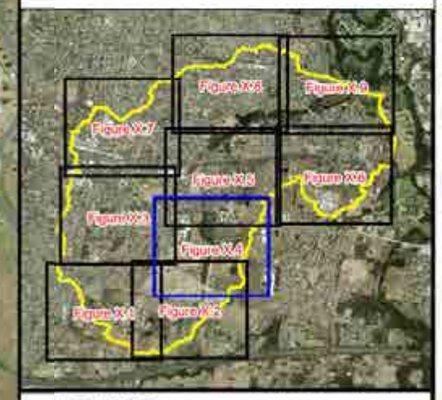
Km

Figure 34.3: Design Floodwater Velocities for the 10% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 34.3 Design Floodwater Vel for the 10% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3 Km

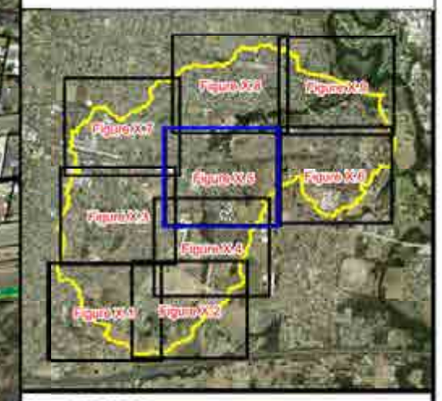
Figure 34.4: Design Floodwater Velocities for the 10% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 34.4 Design Floodwater Vel for the 10% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N

W E

S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

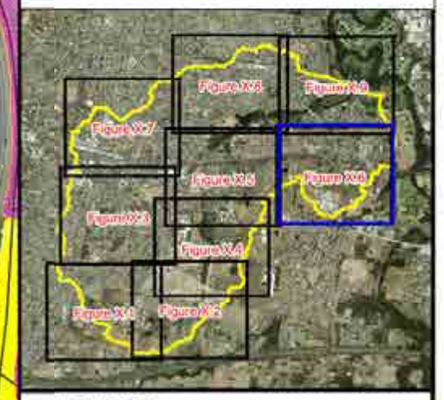
Figure 34.5: Design Floodwater Velocities for the 10% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 34.5 Design Floodwater Vel for the 10% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N

W E

S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 34.6: Design Floodwater Velocities for the 10% AEP Flood

Prepared By:

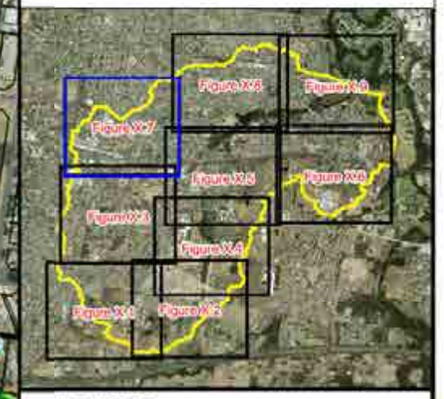
Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name:Fig 34.6 Design Floodwater Vel for the 10% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N

W E

S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

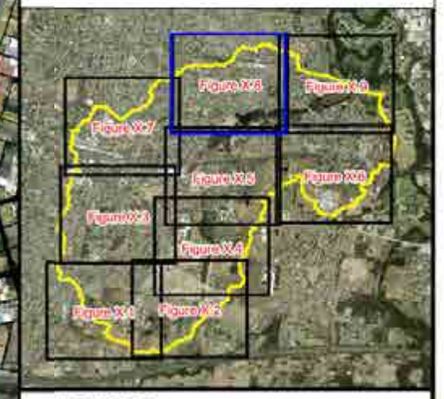
Figure 34.7: Design Floodwater Velocities for the 10% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 34.7 Design Floodwater Vel for the 10% AEP Flood.wor

PENRITH
CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 34.8: Design Floodwater Velocities for the 10% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 34.8 Design Floodwater Vel for the 10% AEP Flood.wor

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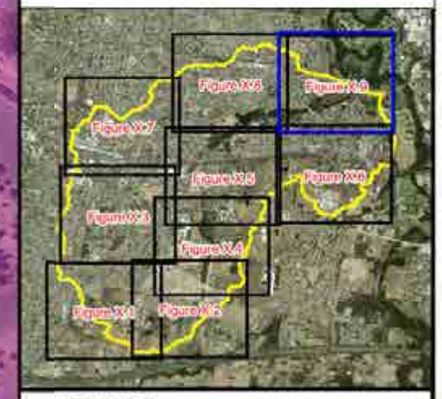


LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

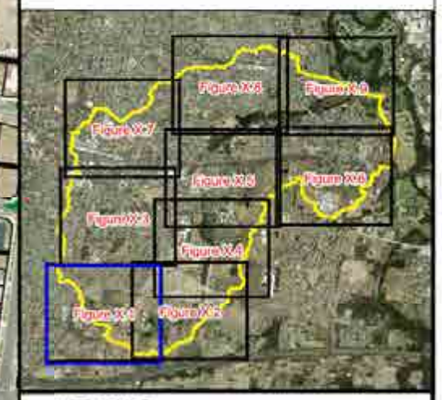
Km

Figure 34.9: Design Floodwater Velocities for the 10% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 34.9 Design Floodwater Vel for the 10% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N

W E

S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 35.1: Peak Design Floodwater Velocities for the 5% AEP Flood

Prepared By:

Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: Fig 35.1 Design Floodwater Vel for the 5% AEP Flood.wor

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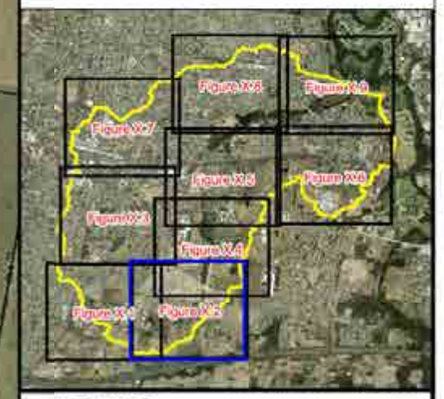


LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

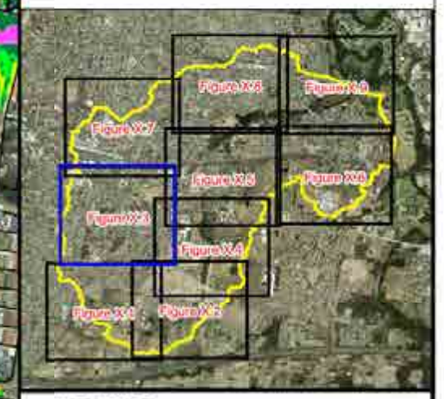
Km

Figure 35.2:
Peak Design Floodwater Velocities for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig 35.2 Design Floodwater Vel for the 5% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3

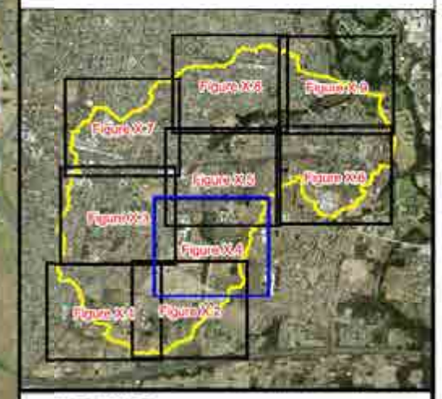
Km

Figure 35.3: Peak Design Floodwater Velocities for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig 35.3 Design Floodwater Vel for the 5% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N

W E

S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 35.4: Peak Design Floodwater Velocities for the 5% AEP Flood

Prepared By:

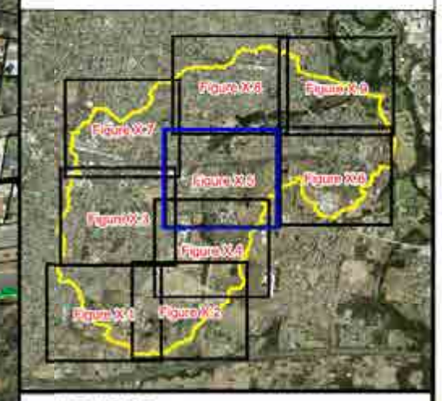
Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: Fig 35.4 Design Floodwater Vel for the 5% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Preliminary flood behaviour across this area is based upon design terrain information which may not reflect final topography. Therefore, the results shown in this area are preliminary and subject to further confirmation through the finalisation of the subdivision

Penrith & Districts Basketball Association
Herbert Street
Victoria Street
Railway
Cottage Street
Burton Street
George Street
Second Ave
O'Connell Street
Great Western Highway
Lamrock Reserve
Nepean College Kingswood

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3 Km

Figure 35.5: Peak Design Floodwater Velocities for the 5% AEP Flood

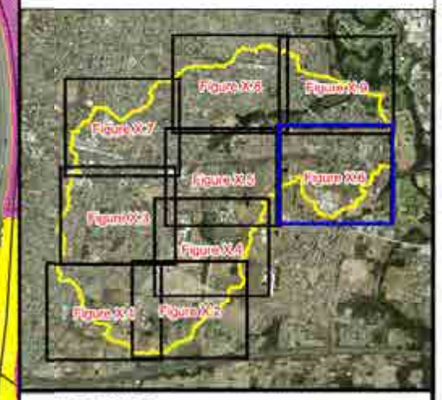
Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 35.5 Design Floodwater Vel for the 5% AEP Flood.wor

Werrington Public School
Colonial Hotel
Victoria Street
Albert Street
Parkes Ave
Werrington Station
Walker Street
Warrington Road
Cobham Remand Centre
Great Western Highway

PENRITH CITY COUNCIL



LEGEND

Velocities (m/s)
- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:
Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.
Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

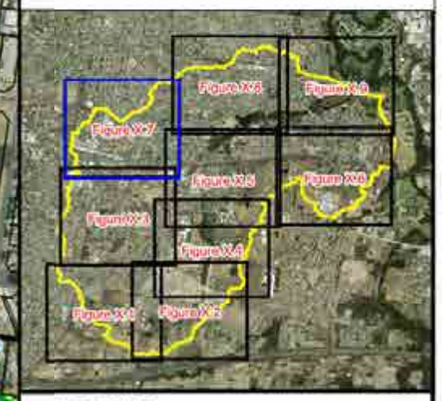
Scale 1:5,000 (at A3)
0 0.15 0.3
Km

Figure 35.6: Peak Design Floodwater Velocities for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig 35.6 Design Floodwater Vel for the 5% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N

W E

S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 35.7: Peak Design Floodwater Velocities for the 5% AEP Flood

Prepared By:

Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: Fig 35.7 Design Floodwater Vel for the 5% AEP Flood.wor

PENRITH
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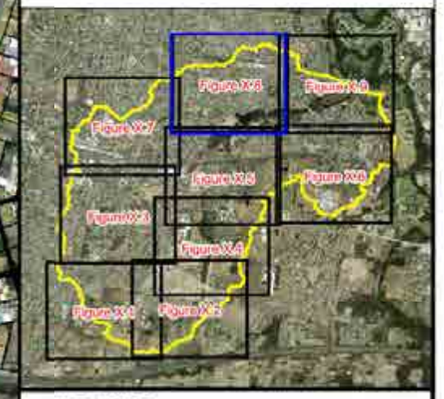

LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 35.8:
Peak Design Floodwater Velocities for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig 35.8 Design Floodwater Vel for the 5% AEP Flood.wor

PENRITH
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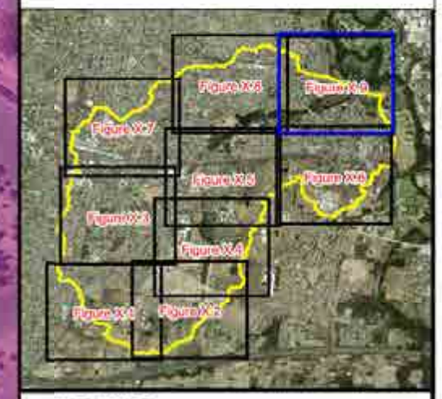


LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

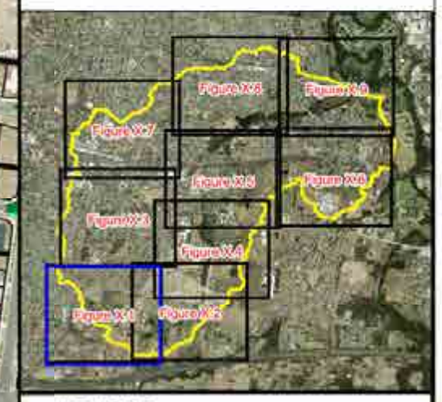
Km

Figure 35.9:
Peak Design Floodwater Velocities for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig 35.9 Design Floodwater Vel for the 5% AEP Flood.wor

PENRITH CITY COUNCIL



Parker St
Bringelly Road
Caddens Road
Cadda Ridge Drive
Kingswood Road
Castle Road
Montgrove College
Orchard Hills Pubic School

LEGEND

Velocities (m/s)
- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

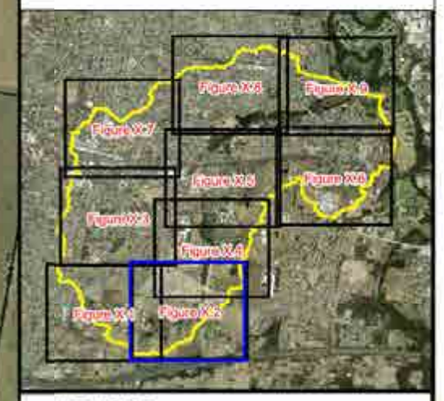
Km

Figure 36.1: Peak Design Floodwater Velocities for the 2% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 36.1 Design Floodwater Vel for the 2% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3

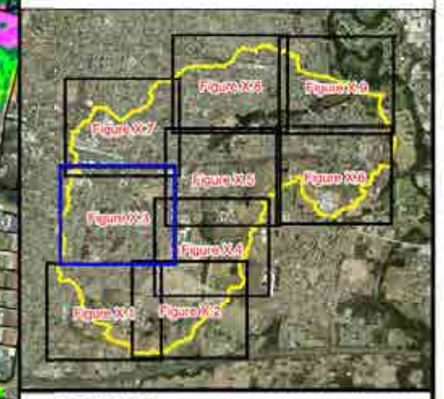
Km

Figure 36.2: Peak Design Floodwater Velocities for the 2% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 36.2 Design Floodwater Vel for the 2% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N

W E

S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 36.3: Peak Design Floodwater Velocities for the 2% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 36.3 Design Floodwater Vel for the 2% AEP Flood.wor

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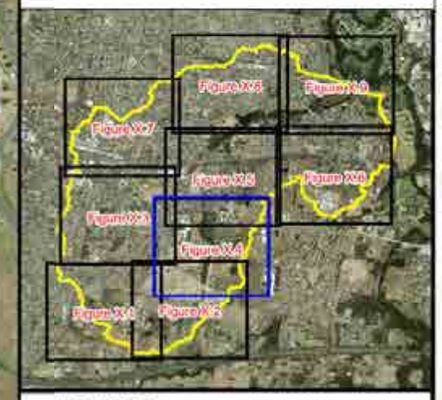

LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N

W E

S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 36.4: Peak Design Floodwater Velocities for the 2% AEP Flood

Prepared By:

Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name:Fig 36.4 Design Floodwater Vel for the 2% AEP Flood.wor

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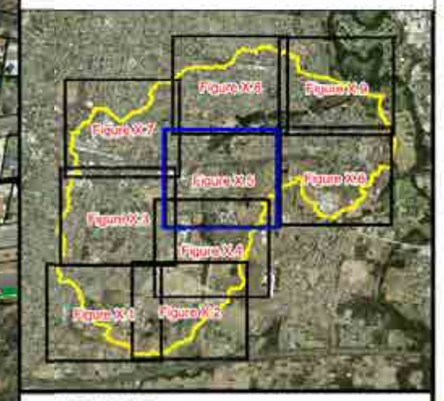


Penrith & Districts Basketball Association
Harbert Street
Victoria Street
Railway
Cottage Street
Burton Street
George Street
Second Ave
O'Connell Street
Great Western Highway
Lamrock Reserve
Nepean College Kingswood

Preliminary flood behaviour across this area is based upon design terrain information which may not reflect final topography. Therefore, the results shown in this area are preliminary and subject to further confirmation through the finalisation of the subdivision

LEGEND

Velocities (m/s)
- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:
Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.
Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

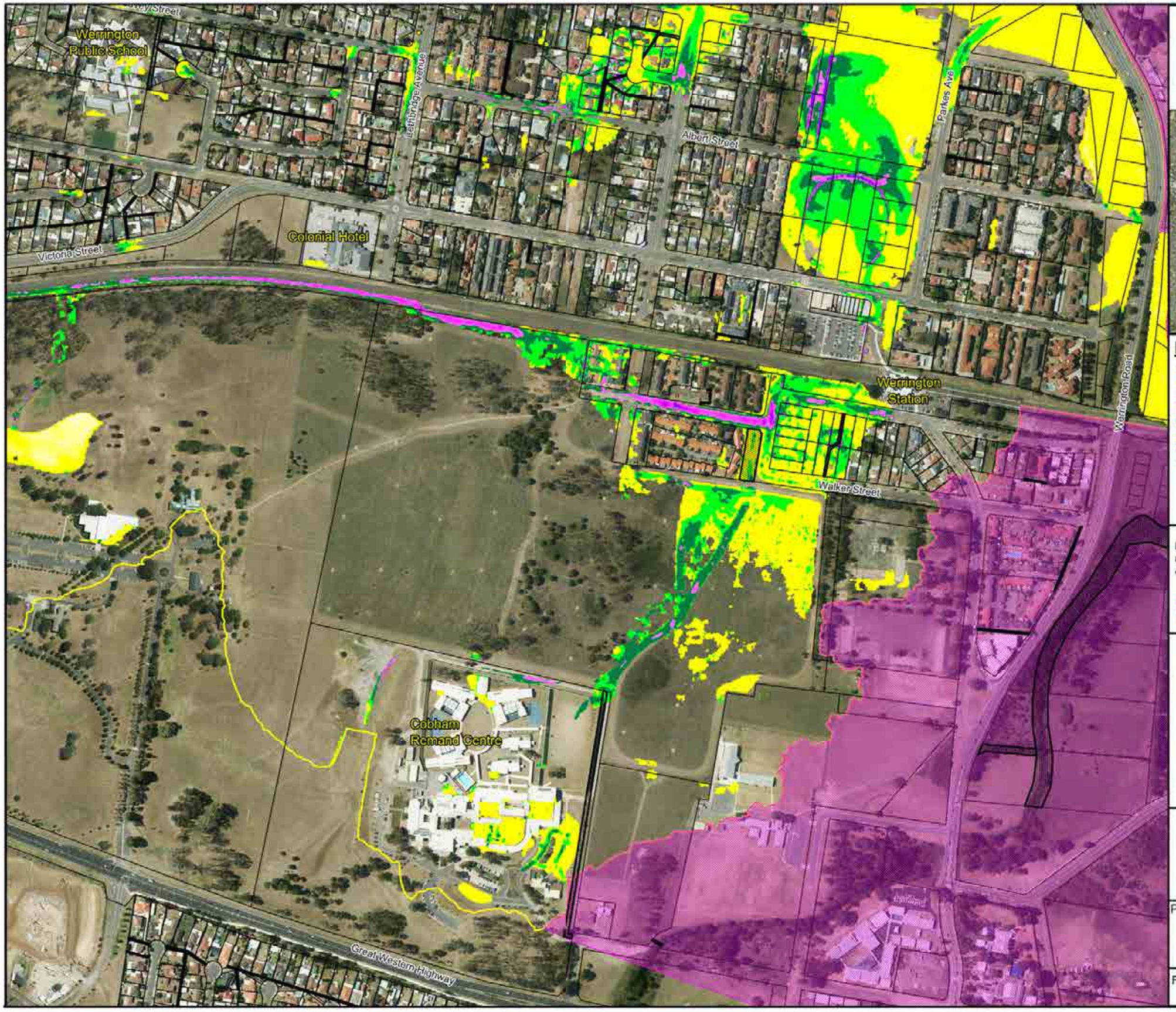
N
W E
S

Scale 1:5,000 (at A3)
0 0.15 0.3
Km

Figure 36.5: Peak Design Floodwater Velocities for the 2% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 36.5 Design Floodwater Vel for the 2% AEP Flood.wor



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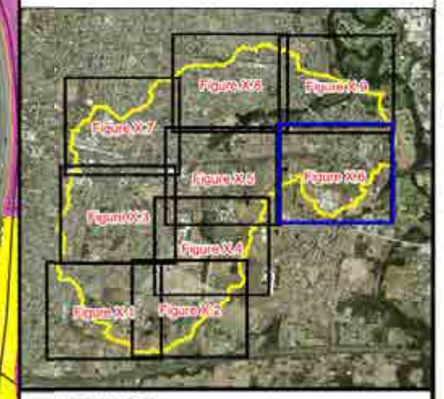

LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 36.6: Peak Design Floodwater Velocities for the 2% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 36.6 Design Floodwater Vel for the 2% AEP Flood.wor

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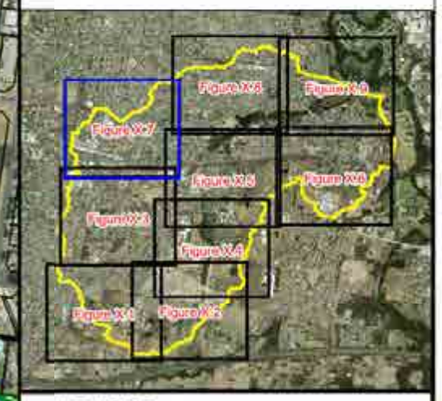

LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N

W E

S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 36.7: Peak Design Floodwater Velocities for the 2% AEP Flood

Prepared By:

Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name:Fig 36.7 Design Floodwater Vel for the 2% AEP Flood.wor

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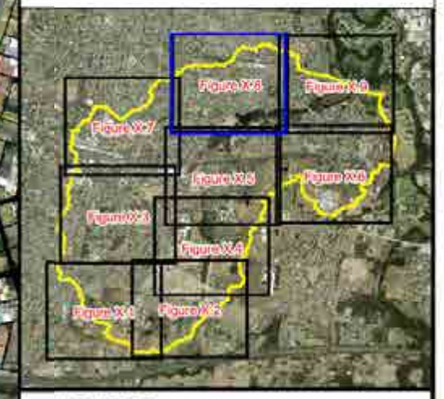

LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 36.8:
Peak Design Floodwater Velocities for the 2% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 36.8 Design Floodwater Vel for the 2% AEP Flood.wor

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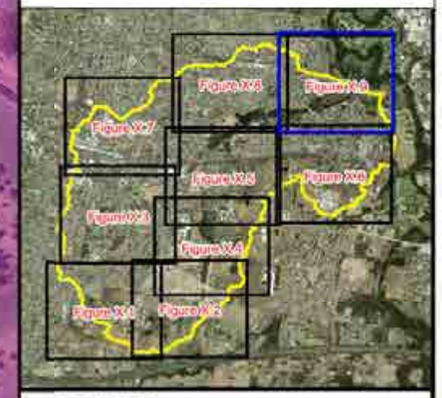

LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 36.9:
Peak Design Floodwater Velocities for the 2% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 36.9 Design Floodwater Vel for the 2% AEP Flood.wor

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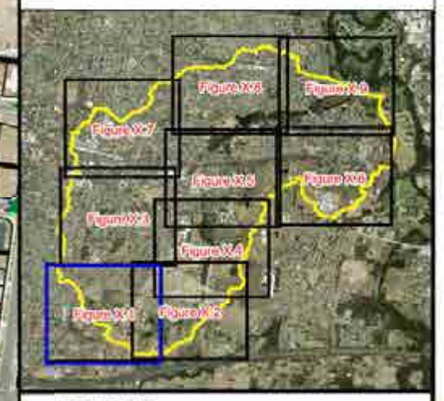

LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N

W E

S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 37.1: Design Floodwater Velocities for the 1% AEP Flood

Prepared By:

Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name:Fig 37.1 Design Floodwater Vel for the 1% AEP Flood.wor

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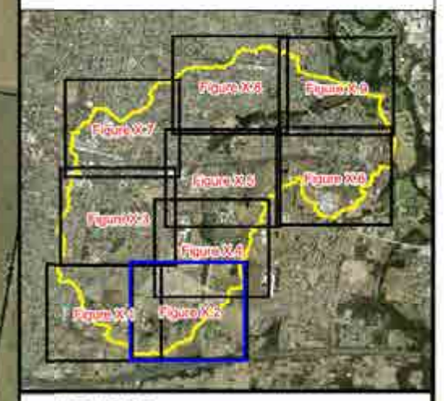


LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

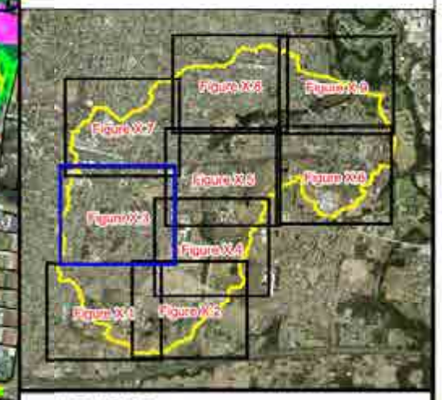
Figure 37.2: Design Floodwater Velocities for the 1% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 37.2 Design Floodwater Vel for the 1% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N

W E

S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 37.3: Design Floodwater Velocities for the 1% AEP Flood

Prepared By:

Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name:Fig 37.3 Design Floodwater Vel for the 1% AEP Flood.wor

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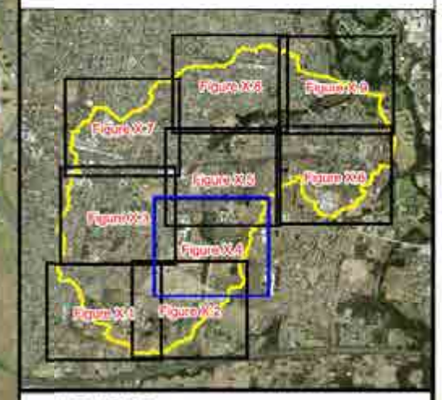


LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

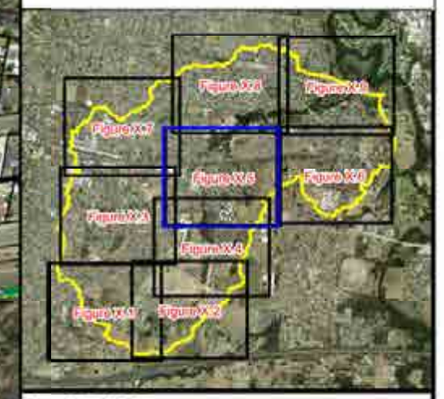
Km

Figure 37.4: Design Floodwater Velocities for the 1% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 37.4 Design Floodwater Vel for the 1% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3 Km

Figure 37.5: Design Floodwater Velocities for the 1% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 37.5 Design Floodwater Vel for the 1% AEP Flood.wor

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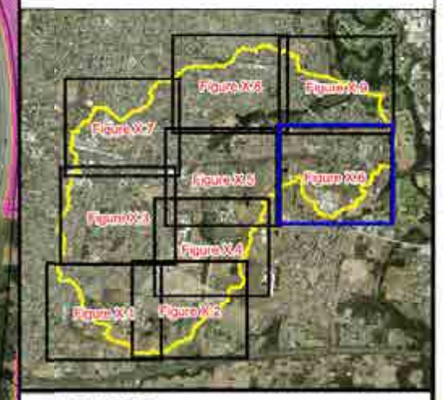

LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N

W E

S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 37.6: Design Floodwater Velocities for the 1% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 37.6 Design Floodwater Vel for the 1% AEP Flood.wor

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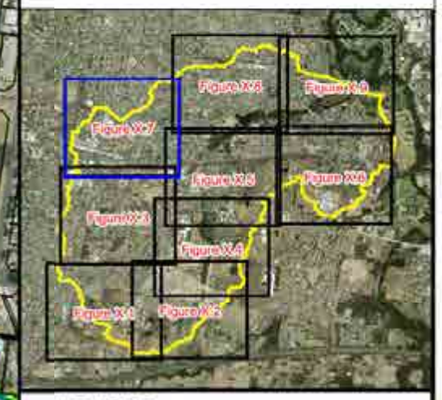

LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N

W E

S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 37.7: Design Floodwater Velocities for the 1% AEP Flood

Prepared By:

Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name:Fig 37.7 Design Floodwater Vel for the 1% AEP Flood.wor

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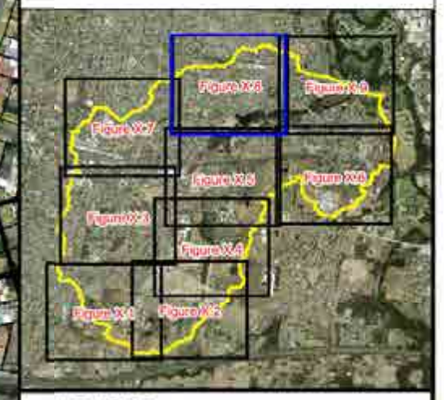

LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 37.8: Design Floodwater Velocities for the 1% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 37.8 Design Floodwater Vel for the 1% AEP Flood.wor

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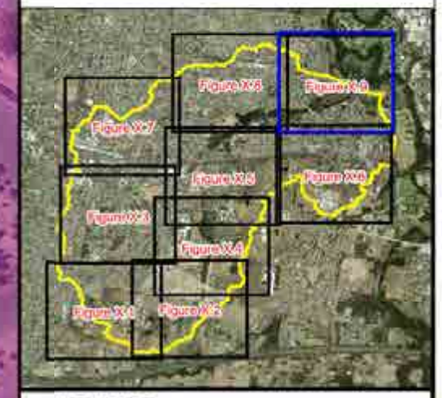

LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 37.9: Design Floodwater Velocities for the 1% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 37.9 Design Floodwater Vel for the 1% AEP Flood.wor

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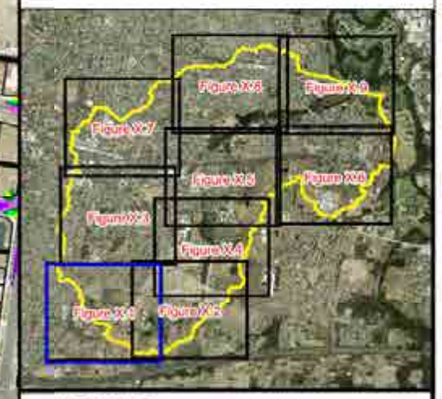

LEGEND

Velocities (m/s)
- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:
Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.
Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)
0 0.15 0.3
Km

Figure 38.1: Design Floodwater Velocities for the 0.5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig 38.1 Design Floodwater Vel for the 0.5% AEP Flood.wor

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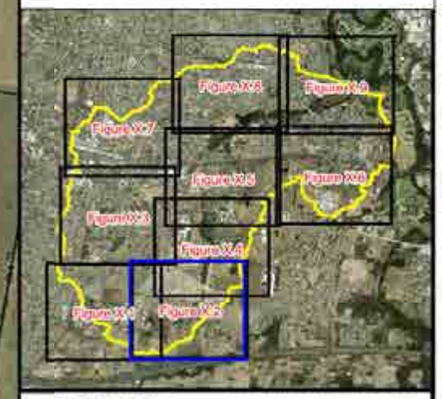

LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 38.2: Design Floodwater Velocities for the 0.5% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig 38.2 Design Floodwater Vel for the 0.5% AEP Flood.wor

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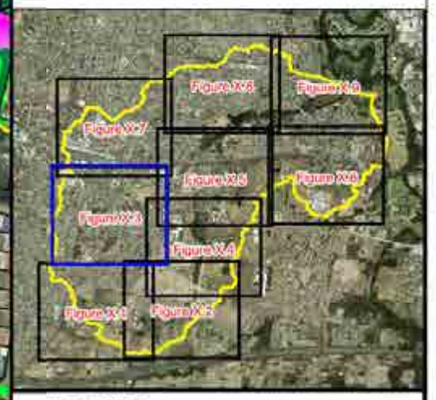

LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 38.3: Design Floodwater Velocities for the 0.5% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig 38.3 Design Floodwater Vel for the 0.5% AEP Flood.wor

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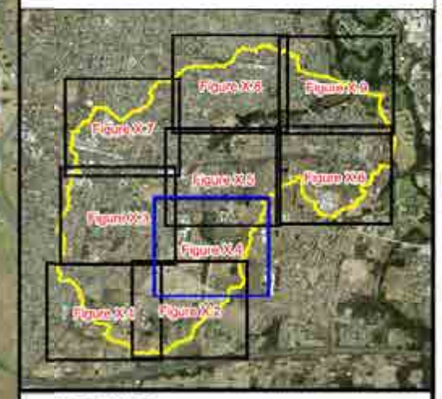

LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N

W E

S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 38.4: Design Floodwater Velocities for the 0.5% AEP Flood

Prepared By:

Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: Fig 38.4 Design Floodwater Vel for the 0.5% AEP Flood.wor

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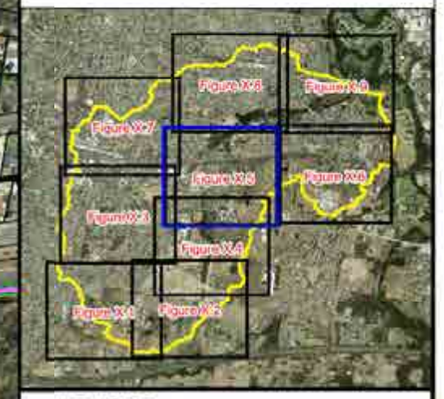

LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 38.5: Design Floodwater Velocities for the 0.5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 38.5 Design Floodwater Vel for the 0.5% AEP Flood.wor

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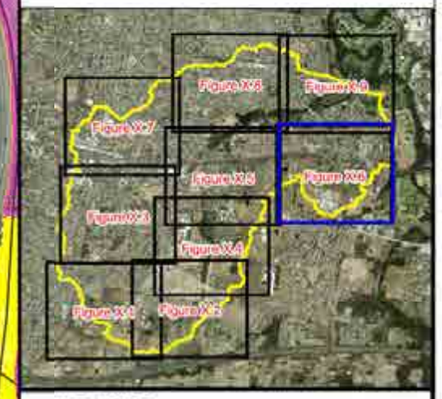


LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N

W E

S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 38.6: Design Floodwater Velocities for the 0.5% AEP Flood

Prepared By:

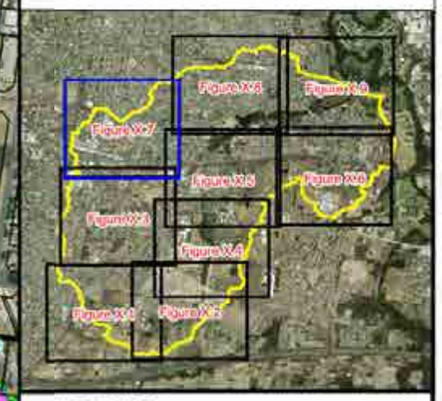
Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: Fig 38.6 Design Floodwater Vel for the 0.5% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N

W E

S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 38.7: Design Floodwater Velocities for the 0.5% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig 38.7 Design Floodwater Vel for the 0.5% AEP Flood.wor

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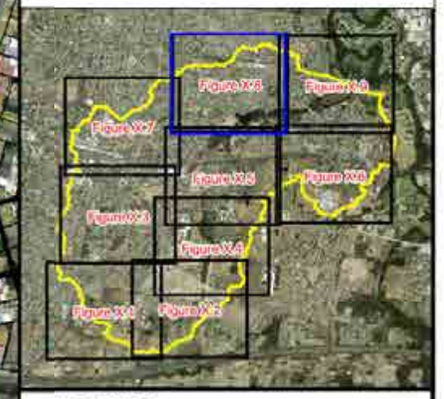
CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

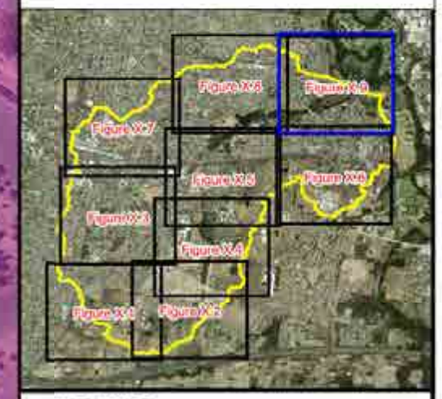
Km

Figure 38.8: Design Floodwater Velocities for the 0.5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig 38.8 Design Floodwater Vel for the 0.5% AEP Flood.wor

PENRITH
CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

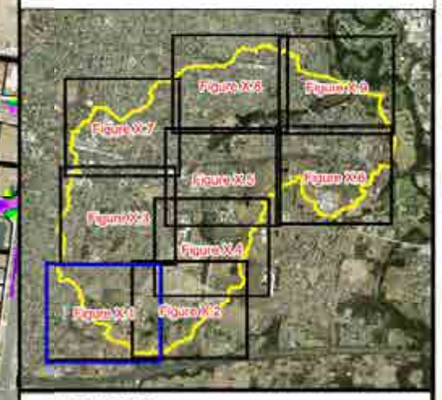
Km

Figure 38.9: Design Floodwater Velocities for the 0.5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig 38.9 Design Floodwater Vel for the 0.5% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N

W E

S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 39.1: Design Floodwater Velocities for the 0.2% AEP Flood

Prepared By:

Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name:Fig 39.1 Design Floodwater Vel for the 0.2% AEP Flood.wor

PENRITH
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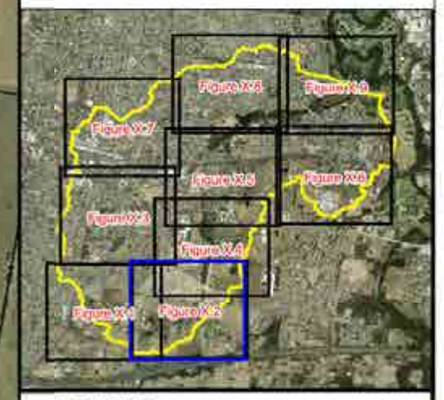


LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

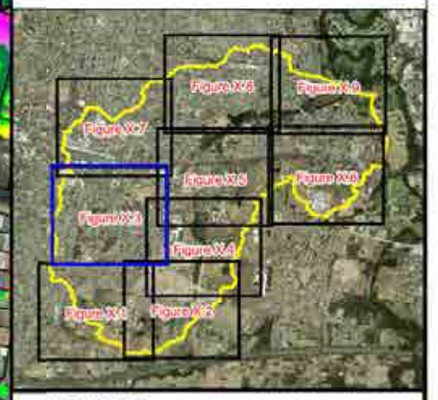
Figure 39.2: Design Floodwater Velocities for the 0.2% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 39.2 Design Floodwater Vel for the 0.2% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3 Km

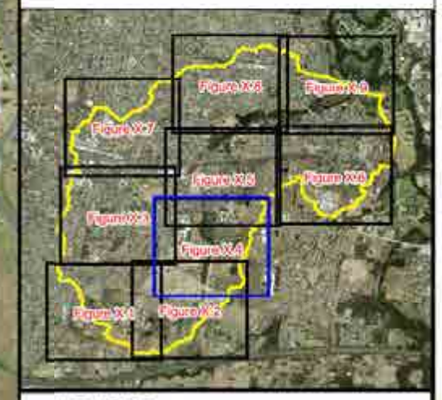
Figure 39.3: Design Floodwater Velocities for the 0.2% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 39.3 Design Floodwater Vel for the 0.2% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

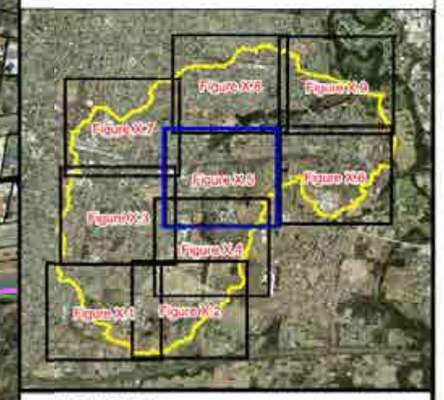
Km

Figure 39.4: Design Floodwater Velocities for the 0.2% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 39.4 Design Floodwater Vel for the 0.2% AEP Flood.wor

PENRITH CITY COUNCIL



Penrith & Districts Basketball Association
Herbert Street
Victoria Street
Cottage Street
Burton Street
Railway
George Street
Preliminary flood behaviour across this area is based upon design terrain information which may not reflect final topography. Therefore, the results shown in this area are preliminary and subject to further confirmation through the finalisation of the subdivision
Great Western Highway
O'Connell Street
Second Ave
Lamrock Reserve
Nepean College Kingswood

LEGEND

Velocities (m/s)
- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:
Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.
Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

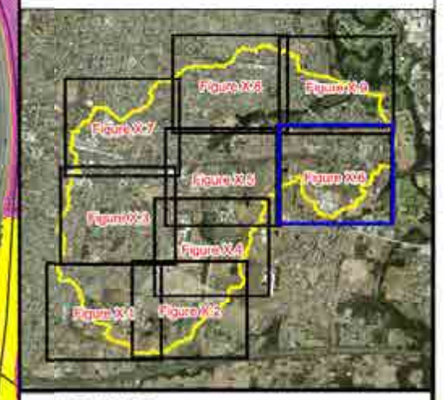
0 0.15 0.3 Km

Figure 39.5: Design Floodwater Velocities for the 0.2% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 39.5 Design Floodwater Vel for the 0.2% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N

W E

S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

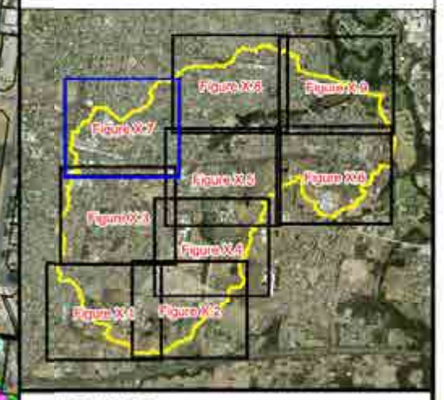
Figure 39.6: Design Floodwater Velocities for the 0.2% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 39.6 Design Floodwater Vel for the 0.2% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N

W E

S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 39.7: Design Floodwater Velocities for the 0.2% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 39.7 Design Floodwater Vel for the 0.2% AEP Flood.wor

PENRITH
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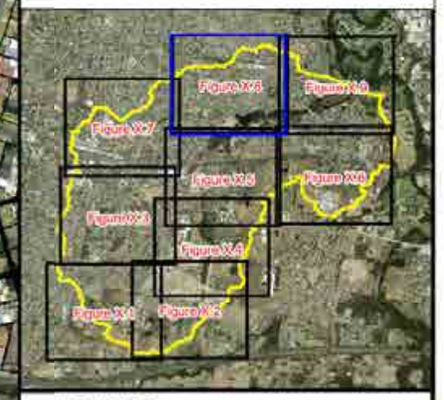


LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

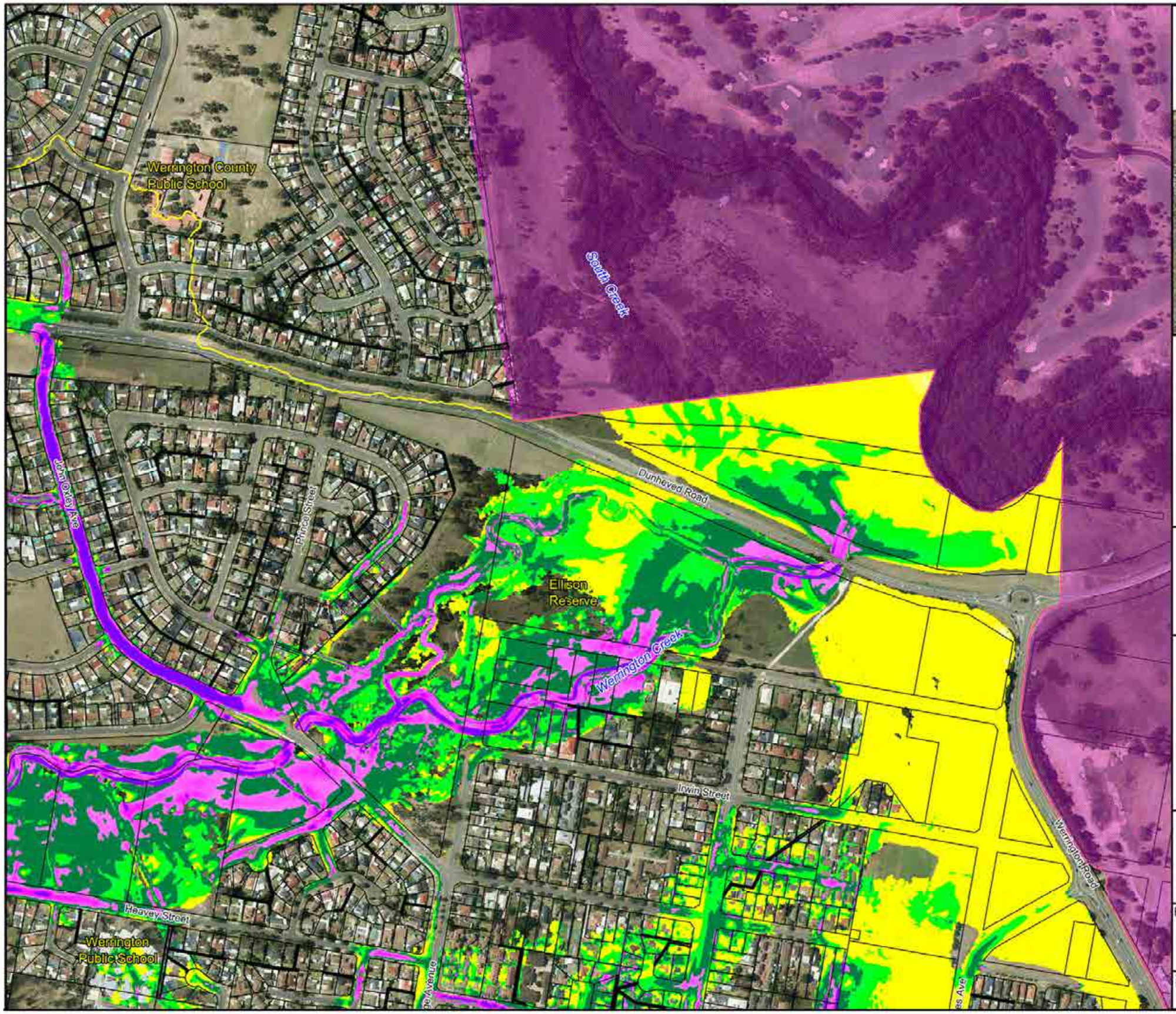
0 0.15 0.3

Km

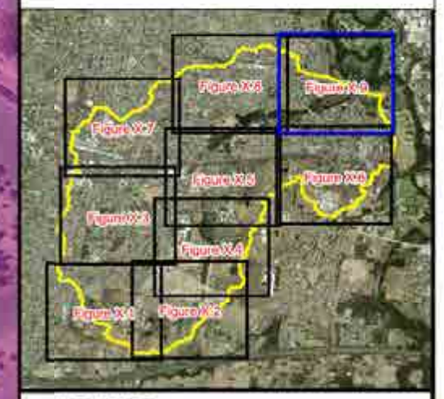
Figure 39.8: Design Floodwater Velocities for the 0.2% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 39.8 Design Floodwater Vel for the 0.2% AEP Flood.wor



PENRITH CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 39.9: Design Floodwater Velocities for the 0.2% AEP Flood

Prepared By:

Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name:Fig 39.9 Design Floodwater Vel for the 0.2% AEP Flood.wor

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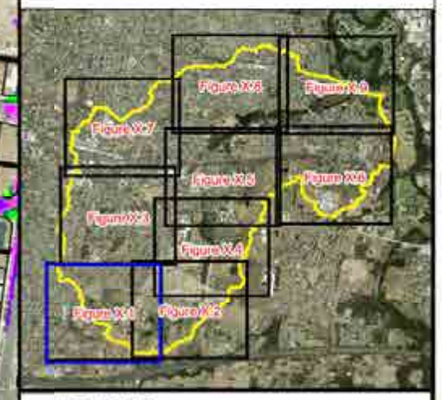

LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 40.1: Design Floodwater Velocities for the PMF

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 40.1 Design Floodwater Vel for the PMF.wor

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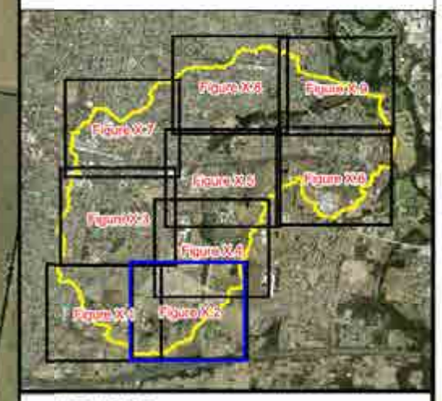

LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N

W E

S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 40.2: Design Floodwater Velocities for the PMF

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 40.2 Design Floodwater Vel for the PMF.wor

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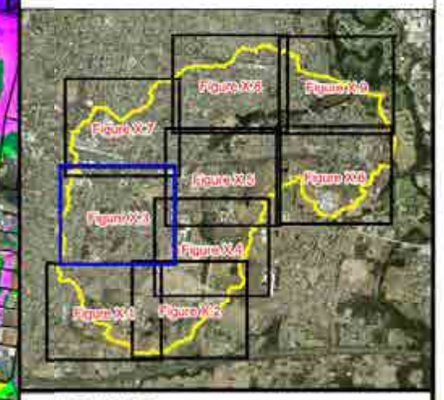


LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N

W E

S

Scale 1:5,000 (at A3)

0 0.15 0.3

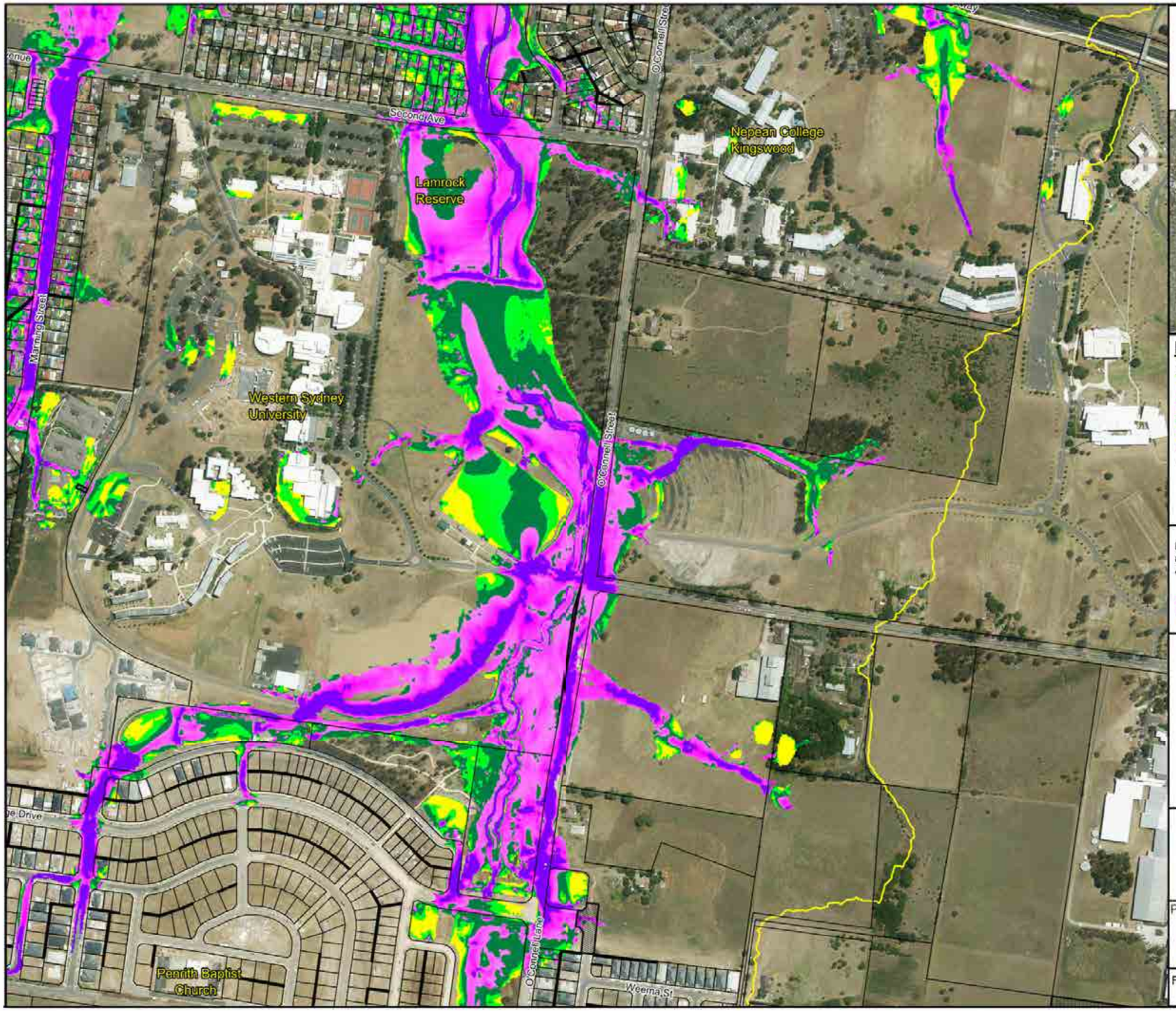
Km

Figure 40.3: Design Floodwater Velocities for the PMF

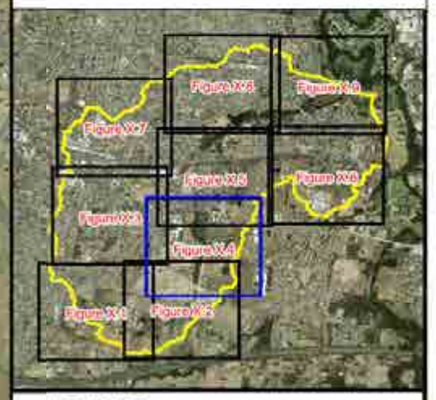
Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 40.3 Design Floodwater Vel for the PMF.wor



PENRITH CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3 Km

Figure 40.4: Design Floodwater Velocities for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 40.4 Design Floodwater Vel for the PMF.wor

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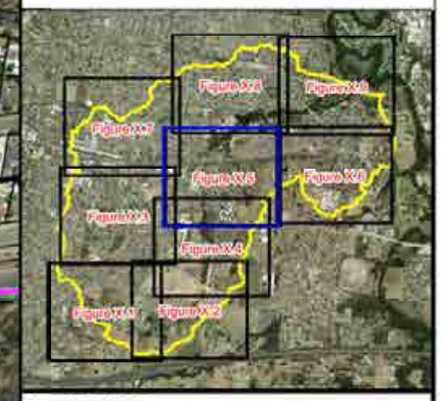


LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N

W E

S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

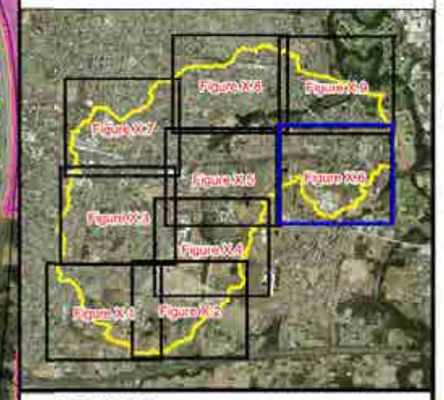
Figure 40.5: Design Floodwater Velocities for the PMF

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 40.5 Design Floodwater Vel for the PMF.wor

PENRITH CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N

W E

S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

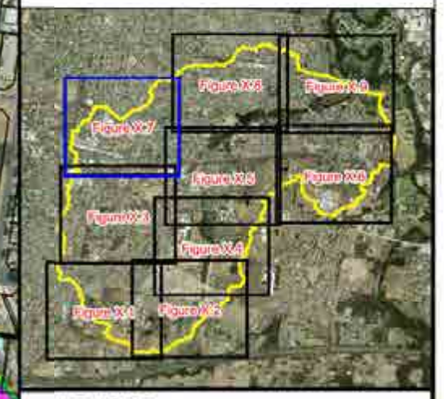
Figure 40.6: Design Floodwater Velocities for the PMF

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 40.6 Design Floodwater Vel for the PMF.wor

PENRITH CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N

W E

S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

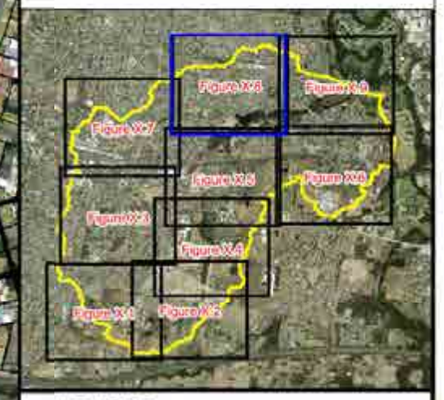
Figure 40.7: Design Floodwater Velocities for the PMF

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 40.7 Design Floodwater Vel for the PMF.wor

PENRITH
CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

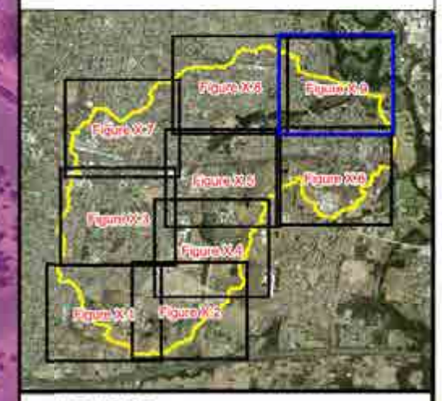
Figure 40.8: Design Floodwater Velocities for the PMF

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 40.8 Design Floodwater Vel for the PMF.wor

PENRITH CITY COUNCIL



LEGEND

Velocities (m/s)

- < 0.25
- 0.25 to 0.5
- 0.5 to 1.0
- 1.0 to 2.0
- > 2.0

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N

W E

S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

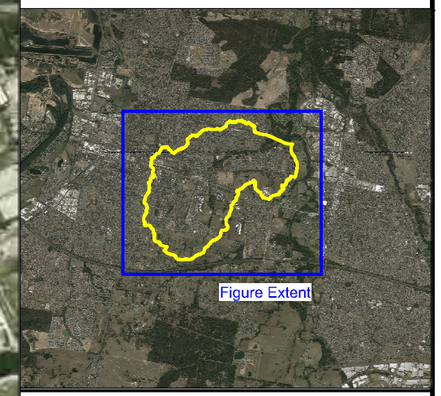
Figure 40.9: Design Floodwater Velocities for the PMF

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 40.9 Design Floodwater Vel for the PMF.wor

PENRITH CITY COUNCIL



LEGEND

- Water Surface Profile Alignment
- Chainage Point (m)
- College, Orth and Werrington Creeks Catchment

Notes:

Aerial photograph date: 2014

N
W E
S

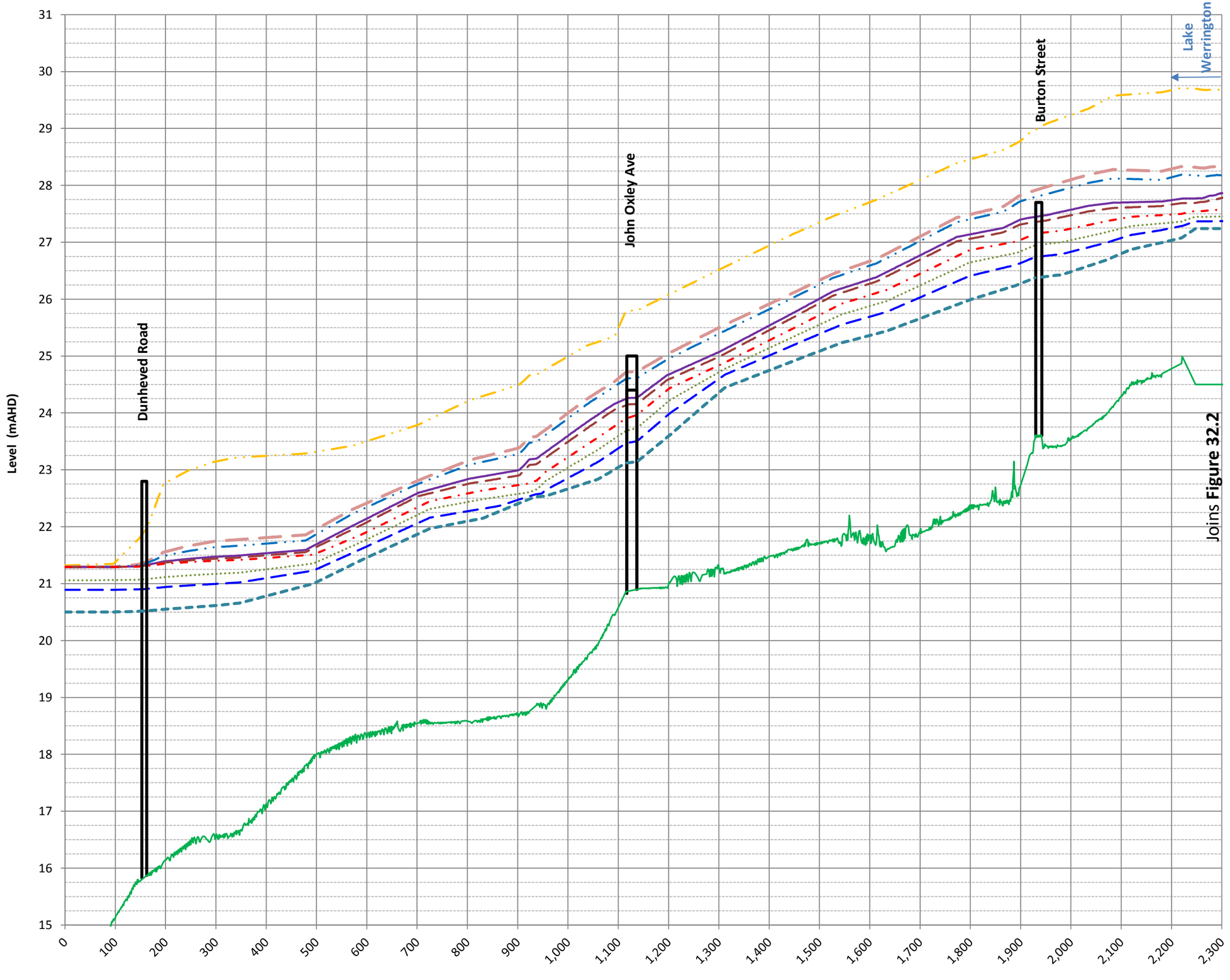
Scale 1:18,000 (at A3)

0 0.5 1.0 Km

Figure 41: Design Water Surface Profiles

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig41 - Design Water Surface Profiles.wor



PENRITH CITY COUNCIL

LEGEND

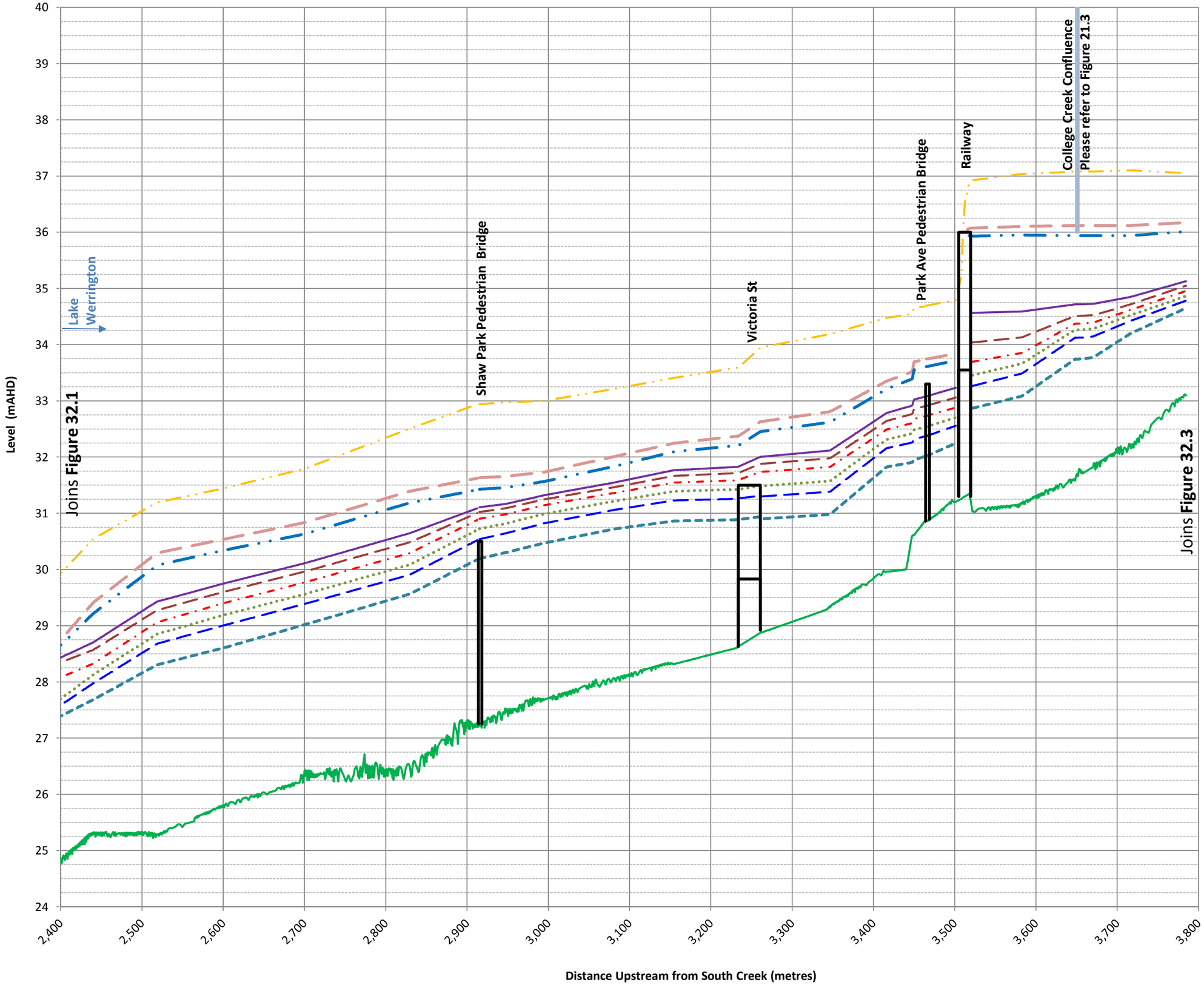
- PMF Water Surface Profile
- 0.2% AEP Water Surface Profile
- 0.5% AEP Water Surface Profile
- 1% AEP Water Surface Profile
- 2% AEP Water Surface Profile
- 5% AEP Water Surface Profile
- 10% AEP Water Surface Profile
- 20% AEP Water Surface Profile
- 1 in 2 Year ARI Water Surface Profile
- Channel Invert

Notes:

Figure 41.1: Design Water Surface Profiles for Werrington Creek between South Creek and Lake Werrington

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George Street
Sydney, NSW, 2000

File Name: Werrington Water Surface Profile.xls



PENRITH CITY COUNCIL

LEGEND

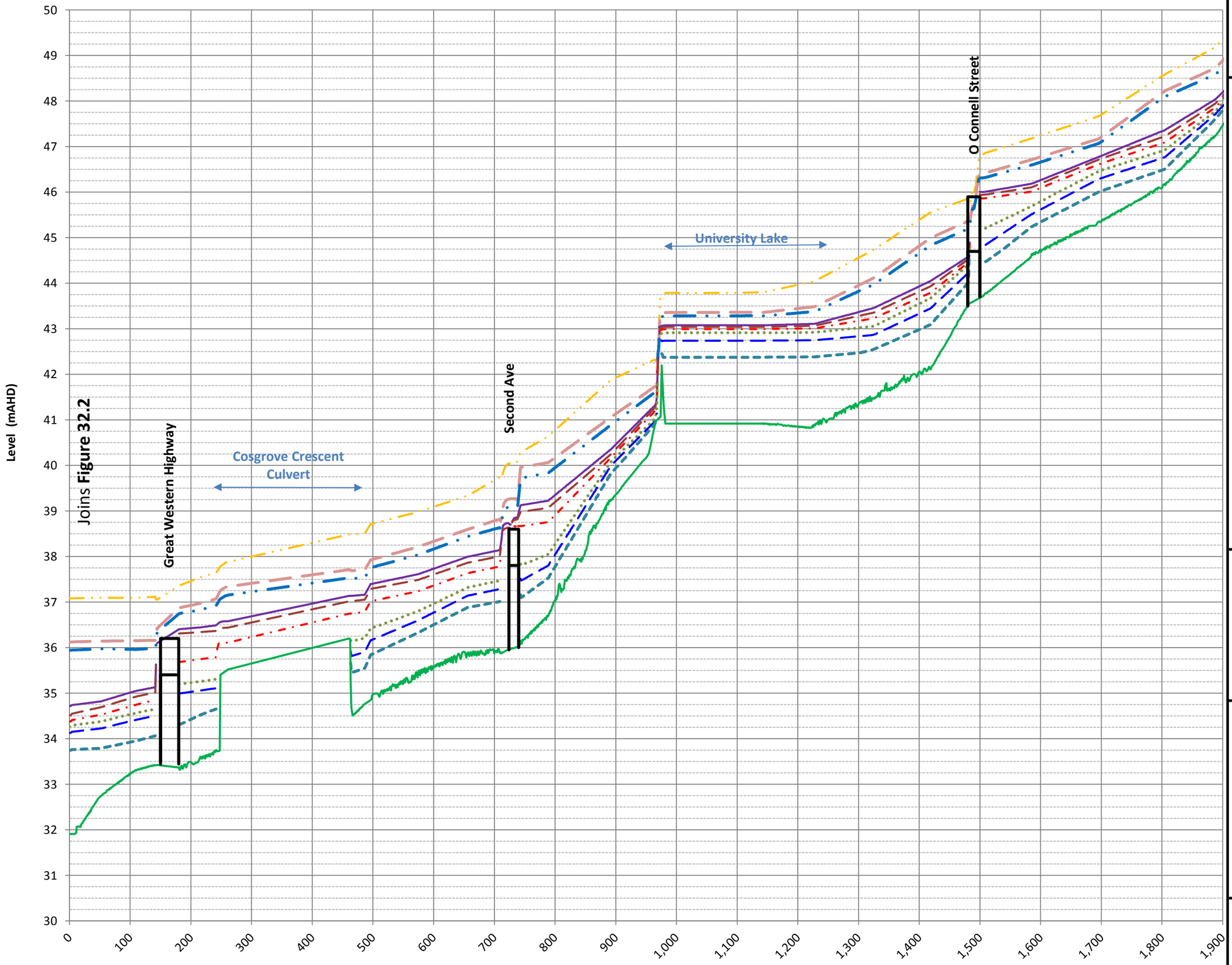
- PMF Water Surface Profile
- 0.2% AEP Water Surface Profile
- 0.5% AEP Water Surface Profile
- 1% AEP Water Surface Profile
- 2% AEP Water Surface Profile
- 5% AEP Water Surface Profile
- 10% AEP Water Surface Profile
- 20% AEP Water Surface Profile
- 1 in 2 year ARI Water Surface Profile
- Channel Invert

Notes:

Figure 41.2: Design Water Surface Profiles for Werrington Creek Upstream of Lake Werrington

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George Street
Sydney, NSW, 2000

File Name: Werrington Water Surface Profile.xls



PENRITH CITY COUNCIL

LEGEND

- PMF Water Surface Profile
- 0.2% AEP Water Surface Profile
- 0.5% AEP Water Surface Profile
- 1% AEP Water Surface Profile
- 2% AEP Water Surface Profile
- 5% AEP Water Surface Profile
- 10% AEP Water Surface Profile
- 20% AEP Water Surface Profile
- 1 in 2 year ARI Water Surface Profile
- Channel Invert

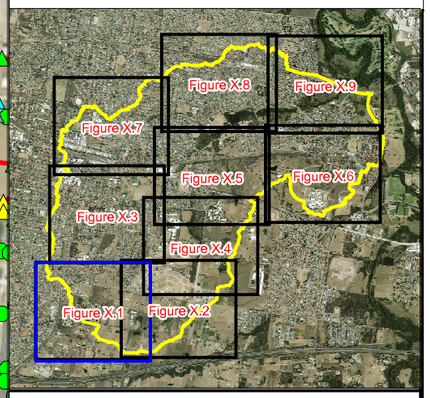
Notes:

Figure 41.3: Design Water Surface Profiles for College Creek Upstream of Werrington Creek Confluence

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George Street
Sydney, NSW, 2000

File Name: Werrington Water Surface Profile.xls

PENRITH CITY COUNCIL



LEGEND

Failure AEP

- <= 1 in 2 Year ARI
- 20% AEP
- 10% AEP
- 5% AEP
- 2% AEP
- 1% AEP
- 0.5% AEP
- 0.2% AEP
- PMF

Pit Failure Type

- No Failure
- Surcharge
- Ponding

Notes:

Aerial photograph date: 2014

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 42.1: Stormwater System Capacity Map

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig42.1 Stormwater System Capacity Map.wor

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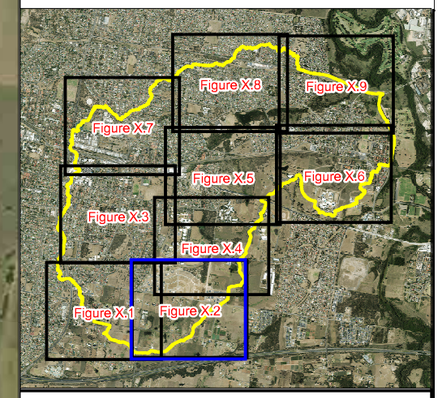


LEGEND

Failure AEP

- <= 1 in 2 Year ARI
- 20% AEP
- 10% AEP
- 5% AEP
- 2% AEP
- 1% AEP
- 0.5% AEP
- 0.2% AEP
- PMF

Pit Failure Type

- No Failure
- Surcharge
- Ponding

Notes:

Aerial photograph date: 2014

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3

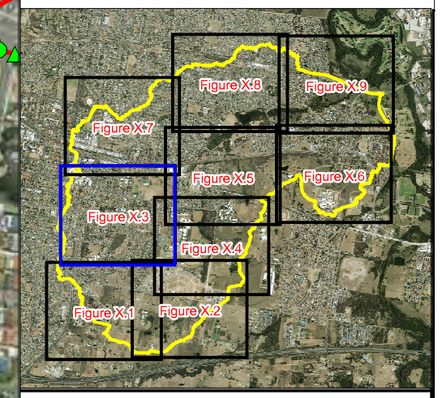
Km

Figure 42.2: Stormwater System Capacity Map

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig42.2 Stormwater System Capacity Map.wor

PENRITH CITY COUNCIL



LEGEND

Failure AEP

- <= 1 in 2 Year ARI
- 20% AEP
- 10% AEP
- 5% AEP
- 2% AEP
- 1% AEP
- 0.5% AEP
- 0.2% AEP
- PMF

Pit Failure Type

- No Failure
- Surcharge
- Ponding

Notes:

Aerial photograph date: 2014

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

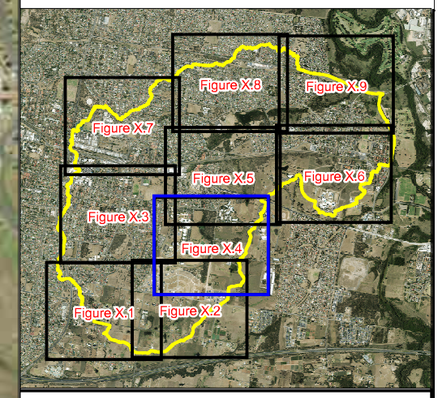
Km

Figure 42.3: Stormwater System Capacity Map

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig42.3 Stormwater System Capacity Map.wor

PENRITH CITY COUNCIL



Second Ave

Lamrock Reserve

Nepean College Kingswood

O'Connell Street

Western Sydney University

Penrith Baptist Church

LEGEND

Failure AEP

- <= 1 in 2 Year ARI
- 20% AEP
- 10% AEP
- 5% AEP
- 2% AEP
- 1% AEP
- 0.5% AEP
- 0.2% AEP
- PMF

Pit Failure Type

- No Failure
- Surcharge
- Ponding

Notes:

Aerial photograph date: 2014

N

W E

S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

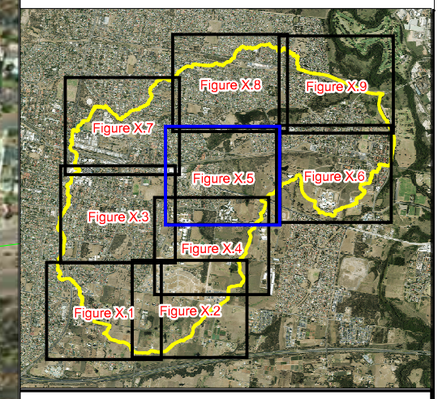
Figure 42.4: Stormwater System Capacity Map

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig42.4 Stormwater System Capacity Map.wor

PENRITH CITY COUNCIL



LEGEND

Failure AEP

- <= 1 in 2 Year ARI
- 20% AEP
- 10% AEP
- 5% AEP
- 2% AEP
- 1% AEP
- 0.5% AEP
- 0.2% AEP
- PMF

Pit Failure Type

- No Failure
- Surcharge
- Ponding

Notes:

Aerial photograph date: 2014

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

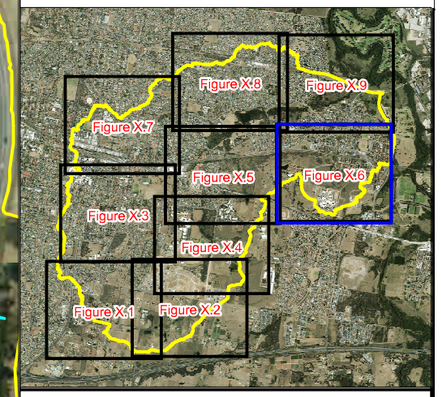
Km

Figure 42.5: Stormwater System Capacity Map

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig42.5 Stormwater System Capacity Map.wor

PENRITH CITY COUNCIL



LEGEND

Failure AEP

- <= 1 in 2 Year ARI
- 20% AEP
- 10% AEP
- 5% AEP
- 2% AEP
- 1% AEP
- 0.5% AEP
- 0.2% AEP
- PMF

Pit Failure Type

- No Failure
- Surcharge
- Ponding

Notes:

Aerial photograph date: 2014

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

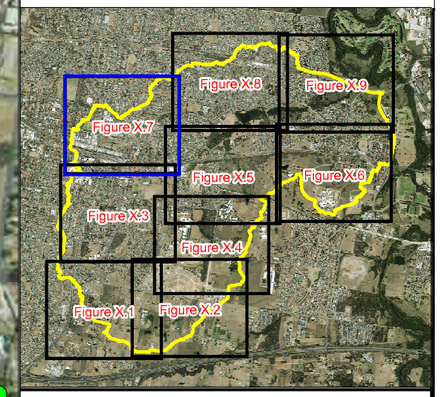
Km

Figure 42.6: Stormwater System Capacity Map

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig42.6 Stormwater System Capacity Map.wor

PENRITH CITY COUNCIL



LEGEND

Failure AEP

- <= 1 in 2 Year ARI
- 20% AEP
- 10% AEP
- 5% AEP
- 2% AEP
- 1% AEP
- 0.5% AEP
- 0.2% AEP
- PMF

Pit Failure Type

- No Failure
- Surcharge
- Ponding

Notes:

Aerial photograph date: 2014

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

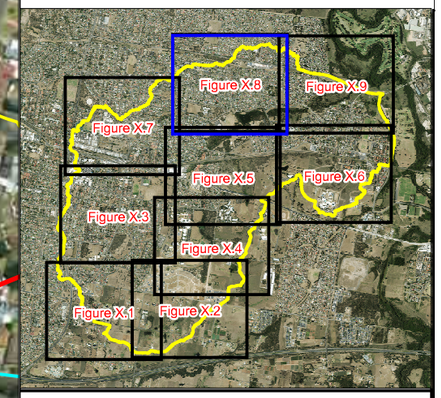
Km

Figure 42.7: Stormwater System Capacity Map

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig42.7 Stormwater System Capacity Map.wor

PENRITH CITY COUNCIL



LEGEND

Failure AEP

- <= 1 in 2 Year ARI
- 20% AEP
- 10% AEP
- 5% AEP
- 2% AEP
- 1% AEP
- 0.5% AEP
- 0.2% AEP
- PMF

Pit Failure Type

- No Failure
- Surcharge
- Ponding

Notes:

Aerial photograph date: 2014

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

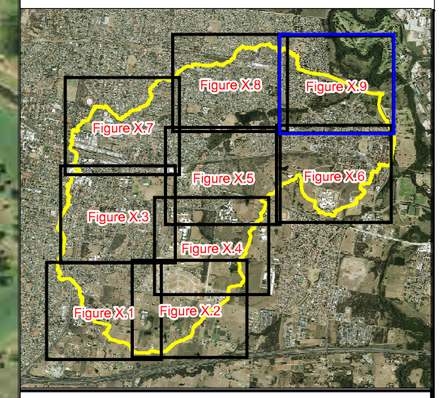
Figure 42.8: Stormwater System Capacity Map

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig42.8 Stormwater System Capacity Map.wor

PENRITH CITY COUNCIL



LEGEND

Failure AEP

- <= 1 in 2 Year ARI
- 20% AEP
- 10% AEP
- 5% AEP
- 2% AEP
- 1% AEP
- 0.5% AEP
- 0.2% AEP
- PMF

Pit Failure Type

- No Failure
- Surcharge
- Ponding

Notes:

Aerial photograph date: 2014

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

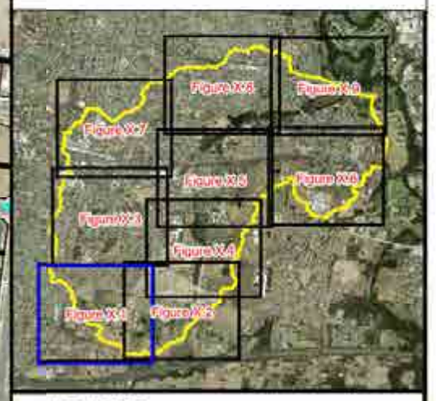
Figure 42.9: Stormwater System Capacity Map

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig42.9 Stormwater System Capacity Map.wor

PENRITH CITY COUNCIL



LEGEND

Hazard Categories

- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 43.1: Provisional Flood Hazard for the 5% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 43.1 Provisional Flood Hazard for the 5% AEP Flood.wor

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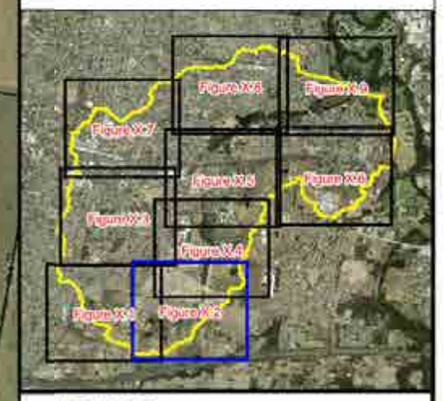

LEGEND

Hazard Categories

- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 43.2: Provisional Flood Hazard for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 43.2 Provisional Flood Hazard for the 5% AEP Flood.wor

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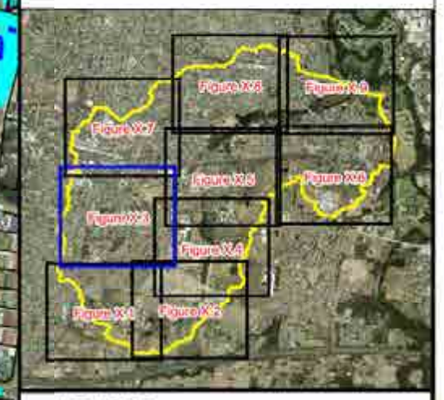


LEGEND

Hazard Categories
- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

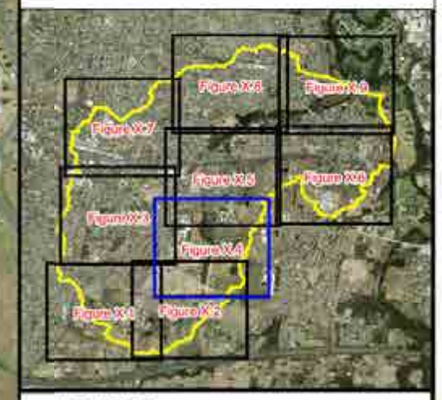
Km

Figure 43.3: Provisional Flood Hazard for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 43.3 Provisional Flood Hazard for the 5% AEP Flood.wor

PENRITH
CITY COUNCIL



LEGEND

Hazard Categories
- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

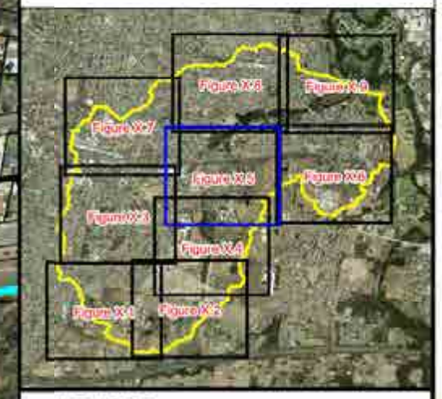
Km

Figure 43.4: Provisional Flood Hazard for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 43.4 Provisional Flood Hazard for the 5% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Hazard Categories

- Low
- High

Drainage Easement

Preliminary flood behaviour across this area is based upon design terrain information which may not reflect final topography. Therefore, the results shown in this area are preliminary and subject to further confirmation through the finalisation of the subdivision

Penrith & Districts Basketball Association

Herbert Street

Victoria Street

Railway

Cottage Street

Burton Street

George Street

Second Ave

O'Connell Street

Great Western Highway

Nepean College Kingswood

Lamrock Reserve

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 43.5: Provisional Flood Hazard for the 5% AEP Flood

Prepared By:

Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name:Fig 43.5 Provisional Flood Hazard for the 5% AEP Flood.wor

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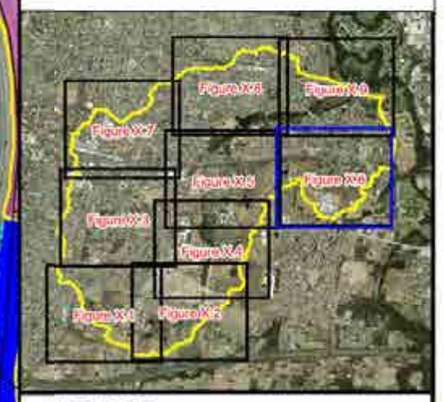

LEGEND

Hazard Categories
- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 43.6: Provisional Flood Hazard for the 5% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 43.6 Provisional Flood Hazard for the 5% AEP Flood.wor

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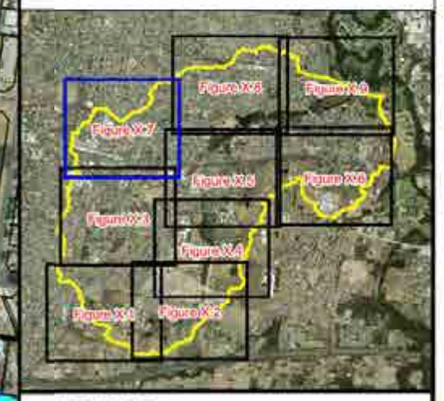


LEGEND

Hazard Categories
- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

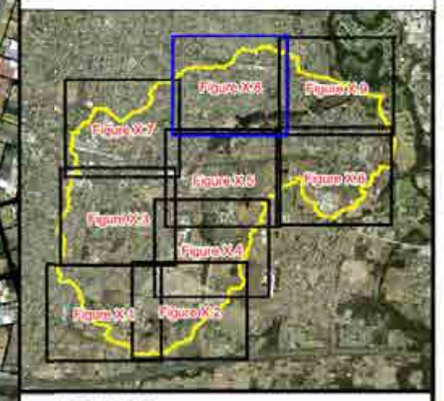
Km

Figure 43.7: Provisional Flood Hazard for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 43.7 Provisional Flood Hazard for the 5% AEP Flood.wor

PENRITH
CITY COUNCIL



LEGEND

Hazard Categories
- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 43.8: Provisional Flood Hazard for the 5% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 43.8 Provisional Flood Hazard for the 5% AEP Flood.wor

PENRITH
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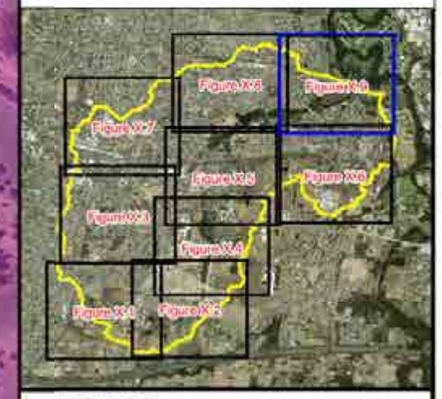


LEGEND

Hazard Categories
- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

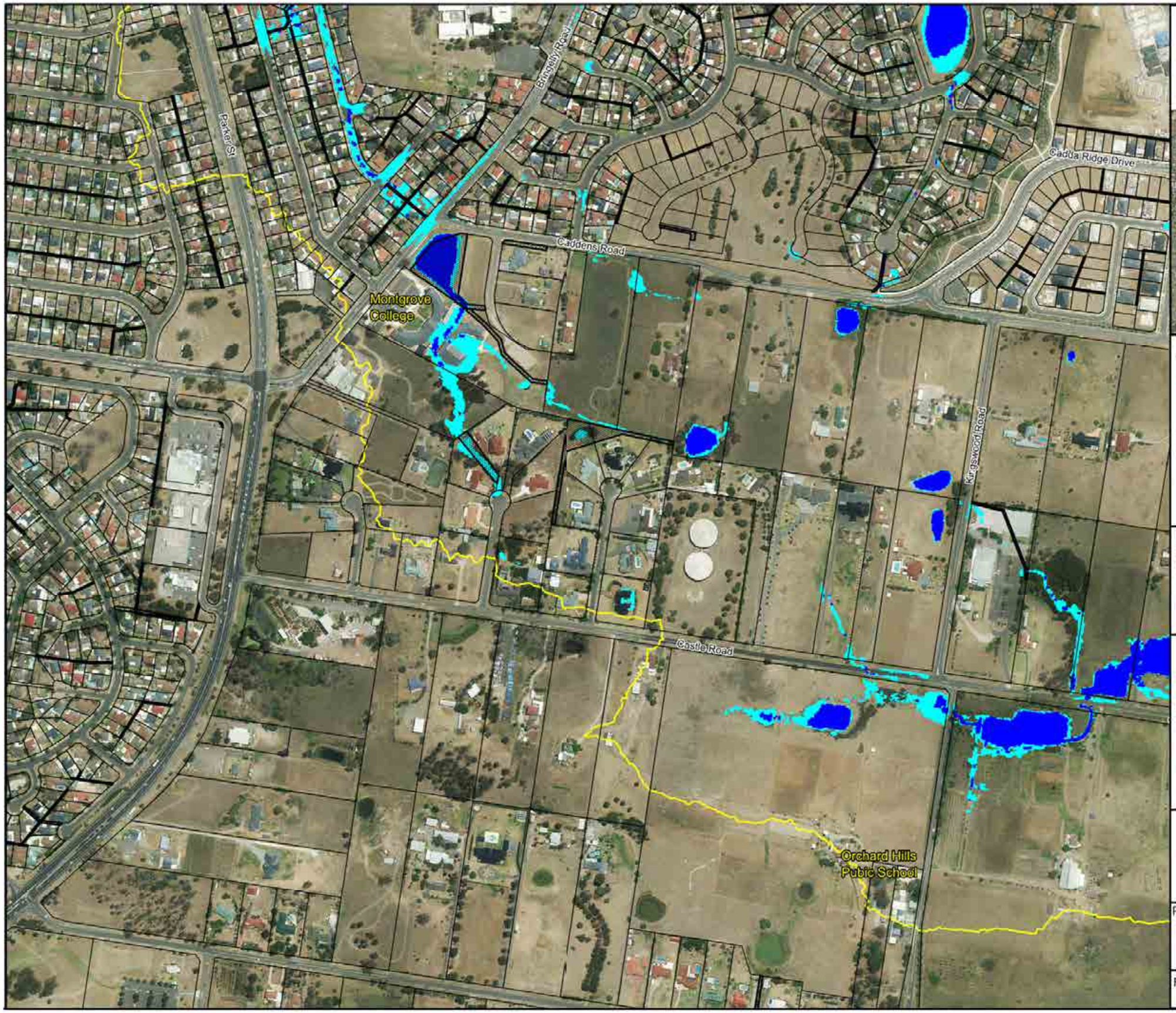
0 0.15 0.3

Km

Figure 43.9: Provisional Flood Hazard for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 43.9 Provisional Flood Hazard for the 5% AEP Flood.wor



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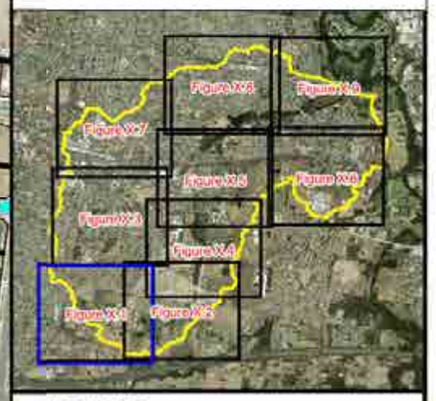

LEGEND

Hazard Categories
- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 44.1: Provisional Flood Hazard for the 1% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 44.1 Provisional Flood Hazard for the 1% AEP Flood.wor

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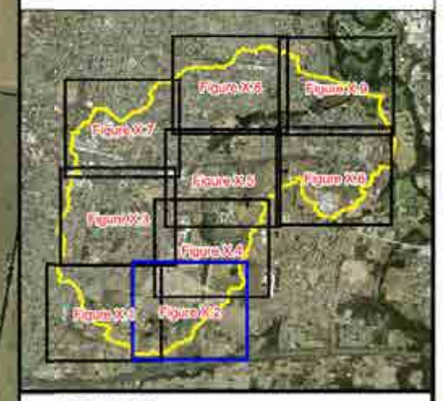

LEGEND

Hazard Categories
- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 44.2: Provisional Flood Hazard for the 1% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 44.2 Provisional Flood Hazard for the 1% AEP Flood.wor

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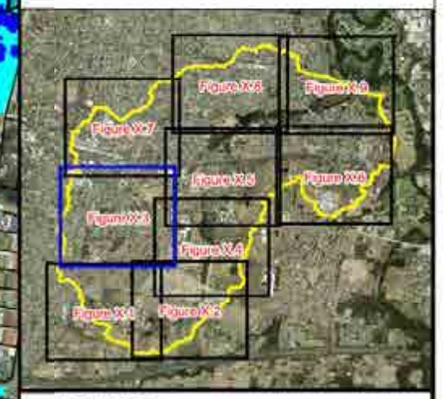

LEGEND

Hazard Categories

- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3 Km

Figure 44.3: Provisional Flood Hazard for the 1% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 44.3 Provisional Flood Hazard for the 1% AEP Flood.wor

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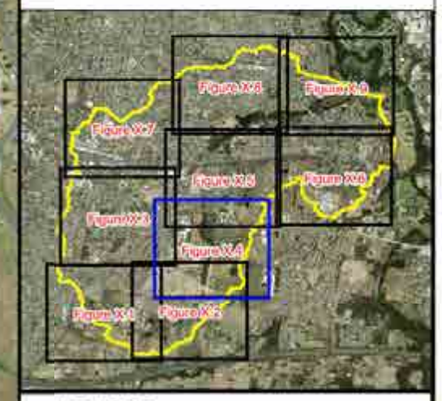


LEGEND

Hazard Categories
- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

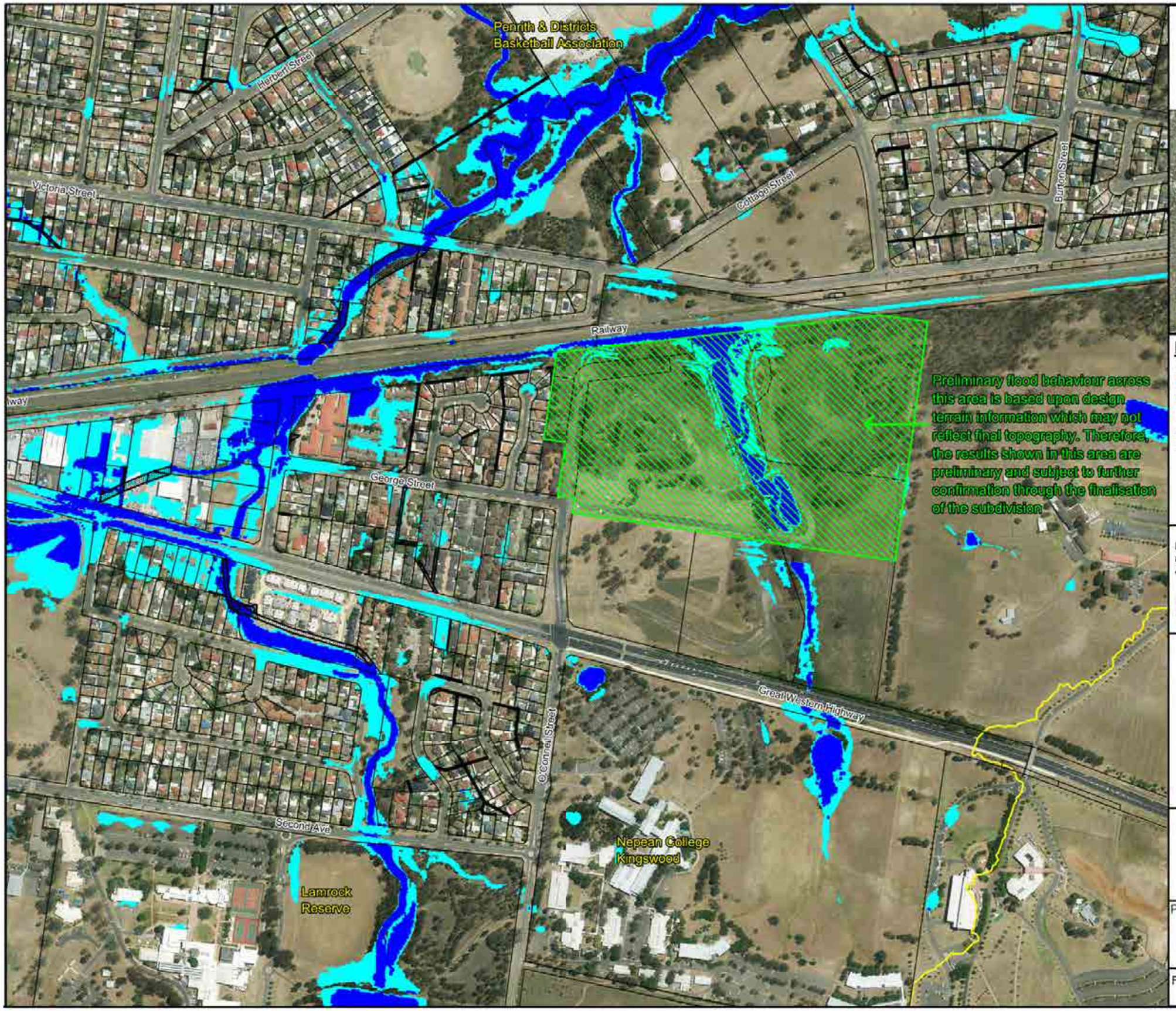
0 0.15 0.3

Km

Figure 44.4: Provisional Flood Hazard for the 1% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 44.4 Provisional Flood Hazard for the 1% AEP Flood.wor



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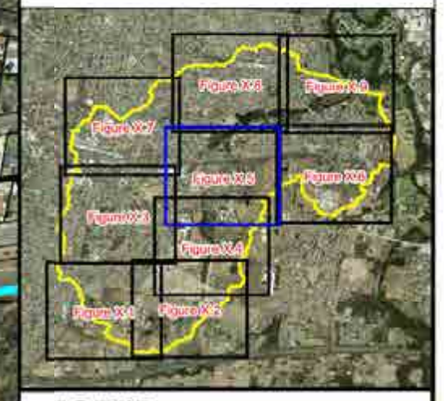

LEGEND

Hazard Categories

- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 44.5: Provisional Flood Hazard for the 1% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 44.5 Provisional Flood Hazard for the 1% AEP Flood.wor

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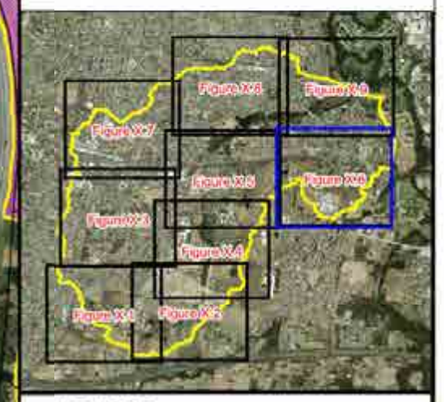


LEGEND

Hazard Categories
- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

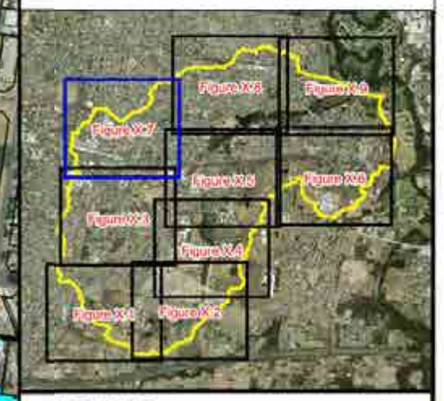
Figure 44.6: Provisional Flood Hazard for the 1% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 44.6 Provisional Flood Hazard for the 1% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Hazard Categories

- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 44.7: Provisional Flood Hazard for the 1% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 44.7 Provisional Flood Hazard for the 1% AEP Flood.wor

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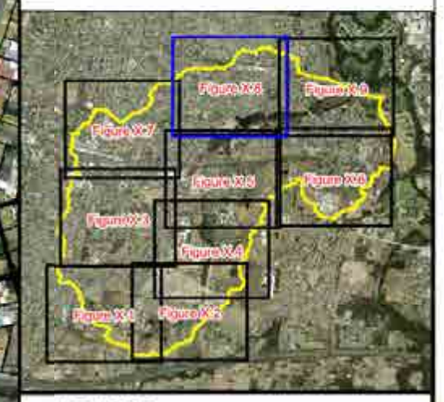

LEGEND

Hazard Categories
- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 44.8: Provisional Flood Hazard for the 1% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 44.8 Provisional Flood Hazard for the 1% AEP Flood.wor

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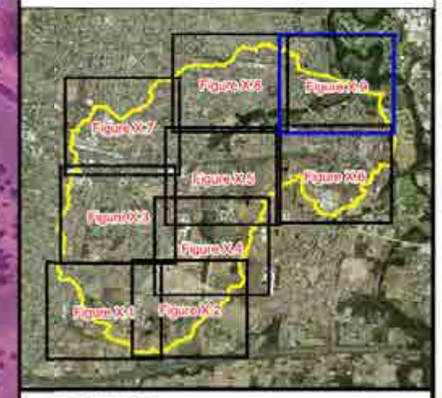


LEGEND

Hazard Categories
- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

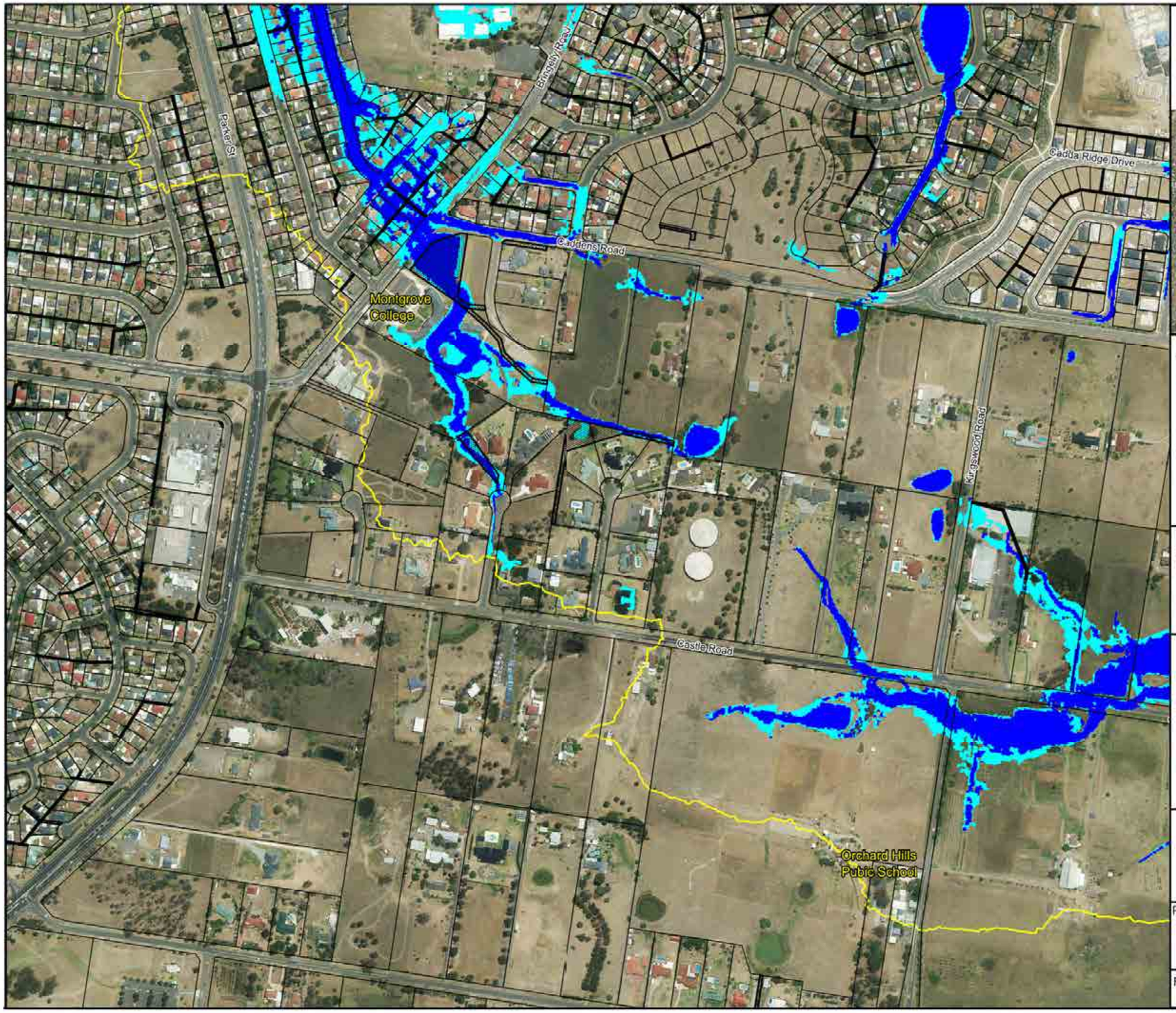
0 0.15 0.3

Km

Figure 44.9:
Provisional Flood Hazard for the 1% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 44.9 Provisional Flood Hazard for the 1% AEP Flood.wor



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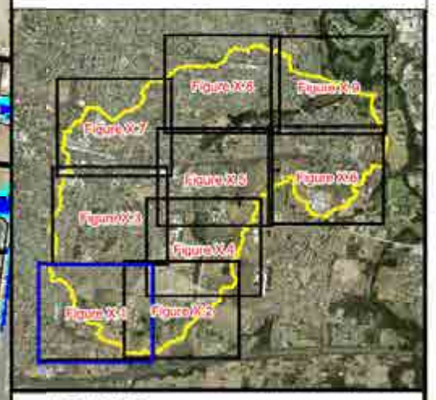

LEGEND

Hazard Categories
- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 45.1: Provisional Flood Hazard for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 45.1 Provisional Flood Hazard for the PMF.wor

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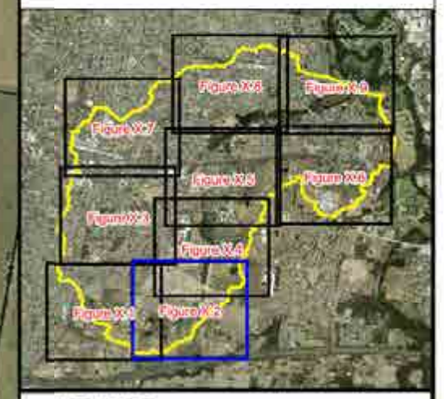

LEGEND

Hazard Categories
- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 45.2: Provisional Flood Hazard for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 45.2 Provisional Flood Hazard for the PMF.wor

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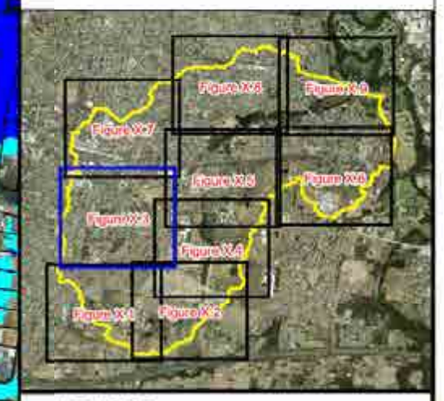

LEGEND

Hazard Categories

- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N

W E

S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 45.3: Provisional Flood Hazard for the PMF

Prepared By:

Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name:Fig 45.3 Provisional Flood Hazard for the PMF.wor

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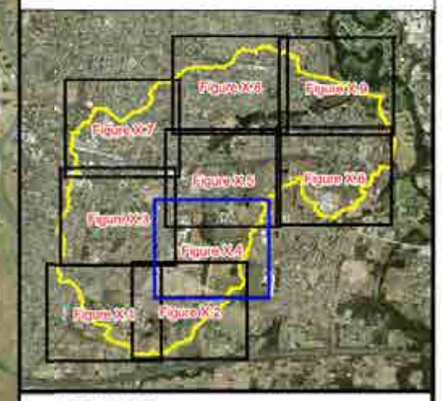


LEGEND

Hazard Categories
- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

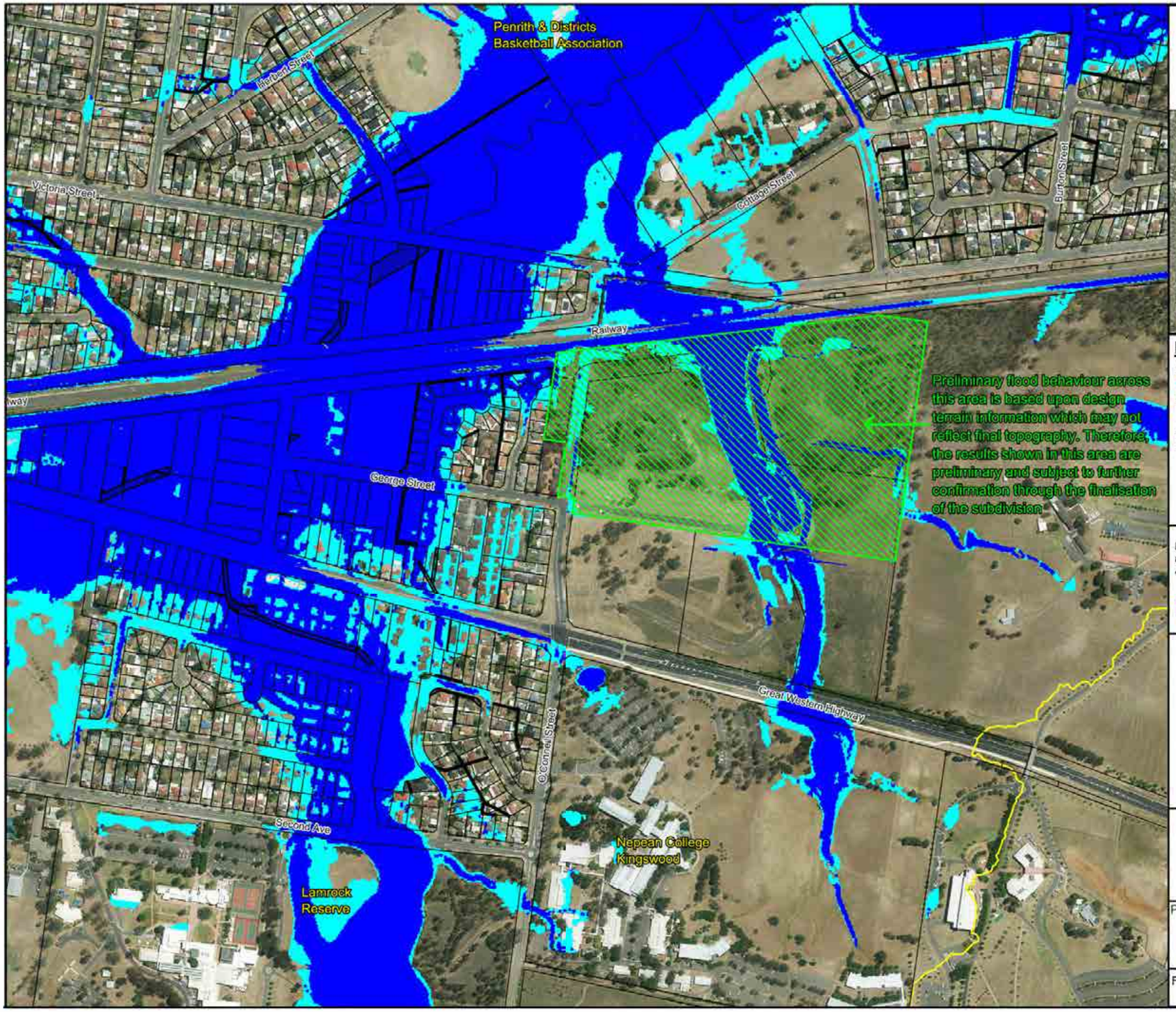
Km

Figure 45.4: Provisional Flood Hazard for the PMF

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 45.4 Provisional Flood Hazard for the PMF.wor



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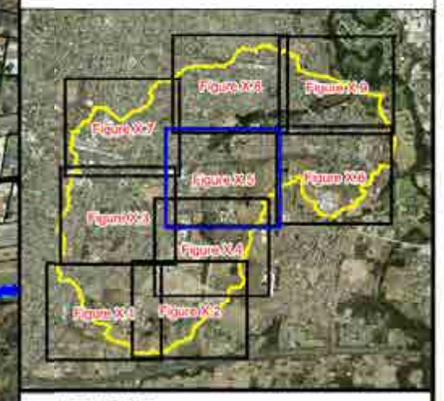

LEGEND

Hazard Categories

- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 45.5: Provisional Flood Hazard for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 45.5 Provisional Flood Hazard for the PMF.wor

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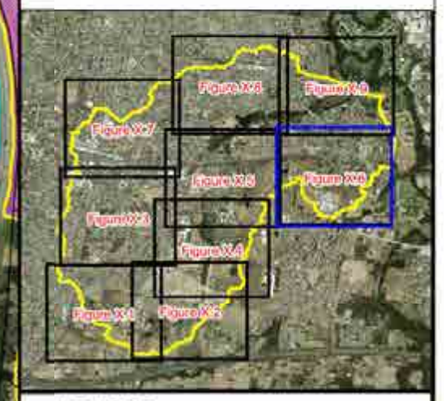

LEGEND

Hazard Categories
- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 45.6: Provisional Flood Hazard for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 45.6 Provisional Flood Hazard for the PMF.wor

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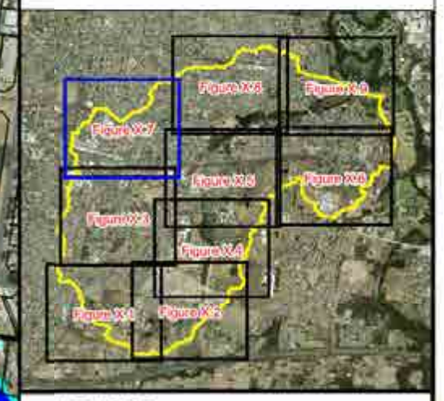

LEGEND

Hazard Categories

- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 45.7: Provisional Flood Hazard for the PMF

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 45.7 Provisional Flood Hazard for the PMF.wor

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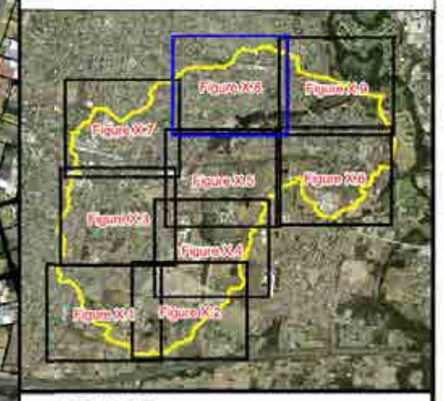

LEGEND

Hazard Categories
- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 45.8: Provisional Flood Hazard for the PMF

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 45.8 Provisional Flood Hazard for the PMF.wor

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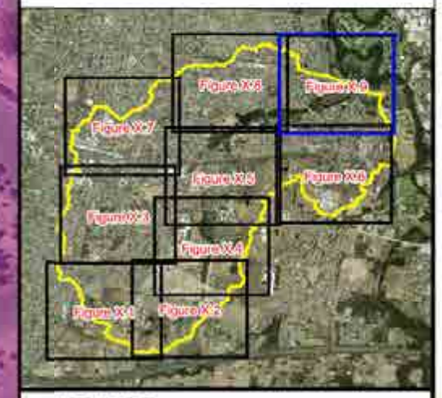

LEGEND

Hazard Categories
- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 45.9: Provisional Flood Hazard for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 45.9 Provisional Flood Hazard for the PMF.wor

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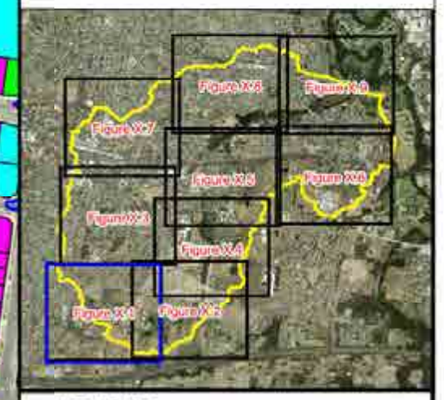

LEGEND

- Area with Overland Escape Route
- High Trapped Perimeter Area
- Overland Refuge Area on High Flood Island or High Trapped Perimeter Area
- Indirectly Affected Area
- Low Trapped Perimeter Area
- Rising Road Access Area
- Not Flood Affected
- 5% AEP Extent

Road Overtopping Location

- Time of Road First Overtopping (hours)
- 0.8 Duration of Overtopping (hours)

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 46.1: Emergency Response Precinct Classifications for the 5% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig46.1 ERC for the 5% AEP Flood.wor

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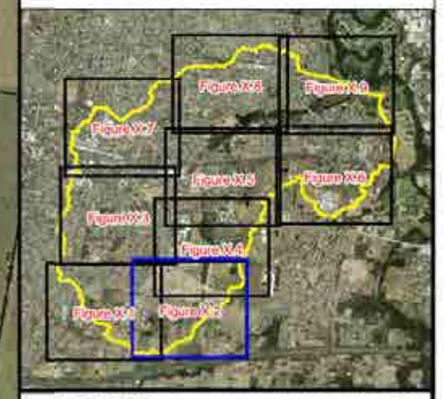

LEGEND

- Area with Overland Escape Route
- High Trapped Perimeter Area
- Overland Refuge Area on High Flood Island or High Trapped Perimeter Area
- Indirectly Affected Area
- Low Trapped Perimeter Area
- Rising Road Access Area
- Not Flood Affected
- 5% AEP Extent

Road Overtopping Location

- Time of Road First Overtopping (hours)
- 0.8 Duration of Overtopping (hours)

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3
Km

Figure 46.2: Emergency Response Precinct Classifications for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig46.2 ERC for the 5% AEP Flood.wor

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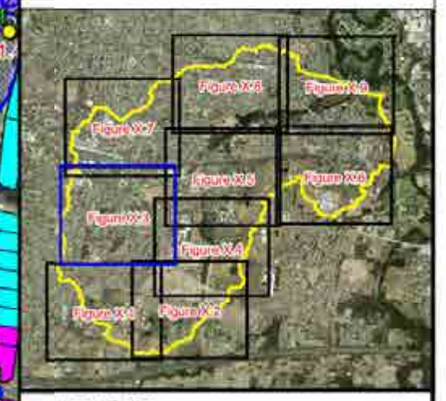

LEGEND

- Area with Overland Escape Route
- High Trapped Perimeter Area
- Overland Refuge Area on High Flood Island or High Trapped Perimeter Area
- Indirectly Affected Area
- Low Trapped Perimeter Area
- Rising Road Access Area
- Not Flood Affected
- 5% AEP Extent

Road Overtopping Location

- Time of Road First Overtopping (hours)
- 0.8 Duration of Overtopping (hours)

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 46.3: Emergency Response Precinct Classifications for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig46.3 ERC for the 5% AEP Flood.wor

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Second Ave

Lamrock Reserve

Nepean College Kingswood

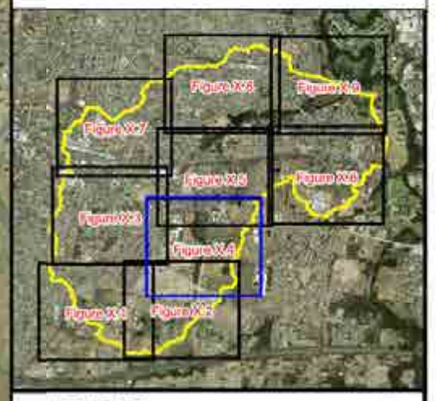
Western Sydney University

Penrith Baptist Church

O'Connell Street

Weema St

Manning Street



LEGEND

- Area with Overland Escape Route
- High Trapped Perimeter Area
- Overland Refuge Area on High Flood Island or High Trapped Perimeter Area
- Indirectly Affected Area
- Low Trapped Perimeter Area
- Rising Road Access Area
- Not Flood Affected
- 5% AEP Extent

Road Overtopping Location

- Time of Road First Overtopping (hours)
- Duration of Overtopping (hours)

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 46.4: Emergency Response Precinct Classifications for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig46.4 ERC for the 5% AEP Flood.wor

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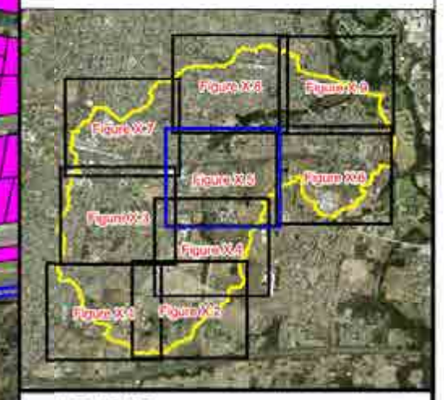

Penrith & Districts Basketball Association

Herbert Street

Victoria Street

Cottage Street

Burton Street

Railway

George Street

Great Western Highway

O'Connell Street

Second Ave

Lamrock Reserve

Nepean College Kingswood

Preliminary flood behaviour across this area is based upon design terrain information which may not reflect final topography. Therefore, the results shown in this area are preliminary and subject to further confirmation through the finalisation of the subdivision

LEGEND

- Area with Overland Escape Route
- High Trapped Perimeter Area
- Overland Refuge Area on High Flood Island or High Trapped Perimeter Area
- Indirectly Affected Area
- Low Trapped Perimeter Area
- Rising Road Access Area
- Not Flood Affected
- 5% AEP Extent

Road Overtopping Location

- Time of Road First Overtopping (hours)
- Duration of Overtopping (hours)

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 46.5: Emergency Response Precinct Classifications for the 5% AEP Flood

Prepared By:
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Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig46.5 ERC for the 5% AEP Flood.wor

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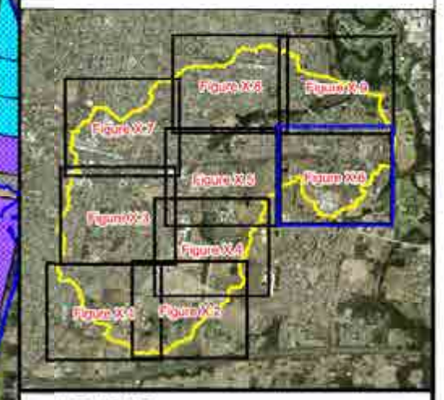

LEGEND

- Area with Overland Escape Route
- High Trapped Perimeter Area
- Overland Refuge Area on High Flood Island or High Trapped Perimeter Area
- Indirectly Affected Area
- Low Trapped Perimeter Area
- Rising Road Access Area
- Not Flood Affected
- 5% AEP Extent

Road Overtopping Location

- Time of Road First Overtopping (hours)
- 0.5 Duration of Overtopping (hours)

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 46.6: Emergency Response Precinct Classifications for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig46.6 ERC for the 5% AEP Flood.wor

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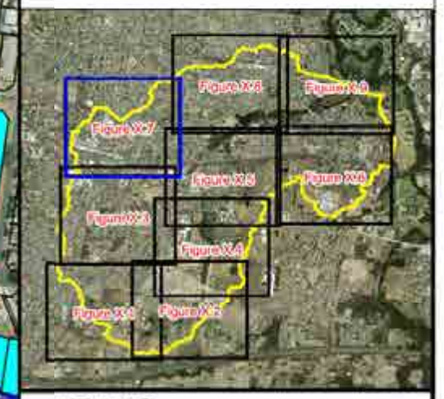

LEGEND

- Area with Overland Escape Route
- High Trapped Perimeter Area
- Overland Refuge Area on High Flood Island or High Trapped Perimeter Area
- Indirectly Affected Area
- Low Trapped Perimeter Area
- Rising Road Access Area
- Not Flood Affected
- 5% AEP Extent

Road Overtopping Location

- Time of Road First Overtopping (hours)
- 0.8 Duration of Overtopping (hours)

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 46.7: Emergency Response Precinct Classifications for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig46.7 ERC for the 5% AEP Flood.wor

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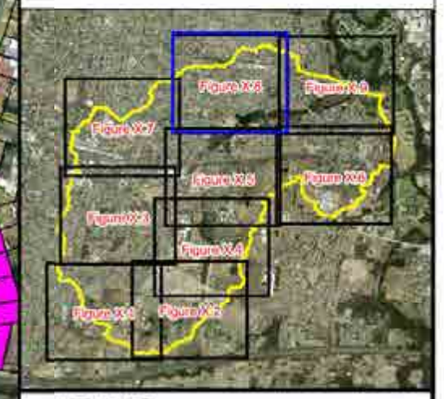

LEGEND

- Area with Overland Escape Route
- High Trapped Perimeter Area
- Overland Refuge Area on High Flood Island or High Trapped Perimeter Area
- Indirectly Affected Area
- Low Trapped Perimeter Area
- Rising Road Access Area
- Not Flood Affected
- 5% AEP Extent

Road Overtopping Location

- Time of Road First Overtopping (hours)
- 0.8 Duration of Overtopping (hours)

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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Scale 1:5,000 (at A3)

0 0.15 0.3
Km

Figure 46.8: Emergency Response Precinct Classifications for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig46.8 ERC for the 5% AEP Flood.wor

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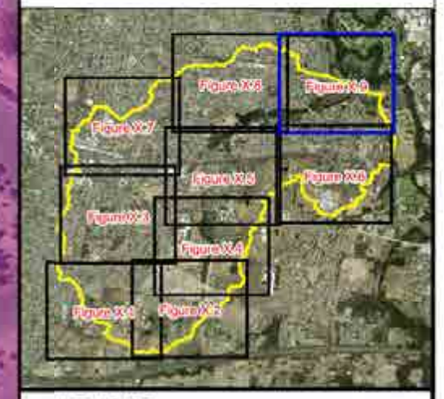

LEGEND

- Area with Overland Escape Route
- High Trapped Perimeter Area
- Overland Refuge Area on High Flood Island or High Trapped Perimeter Area
- Indirectly Affected Area
- Low Trapped Perimeter Area
- Rising Road Access Area
- Not Flood Affected
- 5% AEP Extent

Road Overtopping Location

- Time of Road First Overtopping (hours)
- Duration of Overtopping (hours)

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

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Scale 1:5,000 (at A3)

0 0.15 0.3
Km

Figure 46.9: Emergency Response Precinct Classifications for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig46.9 ERC for the 5% AEP Flood.wor

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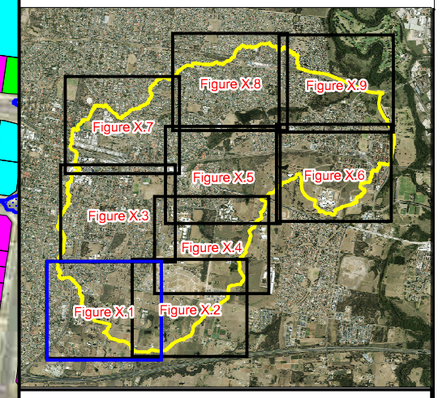

LEGEND

- Area with Overland Escape Route
- High Trapped Perimeter Area
- Overland Refuge Area on High Flood Island or High Trapped Perimeter Area
- Indirectly Affected Area
- Low Trapped Perimeter Area
- Rising Road Access Area
- Not Flood Affected
- 1% AEP Extent

Road Overtopping Location

- 1.5 — Time of Road First Overtopping (hours)
- 0.5 — Duration of Overtopping (hours)

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 47.1: Emergency Response Precinct Classifications for the 1% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig47.1 ERC for the 1% AEP Flood.wor

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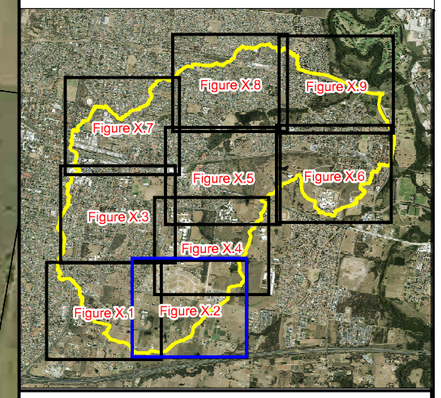

LEGEND

- Area with Overland Escape Route
- High Trapped Perimeter Area
- Overland Refuge Area on High Flood Island or High Trapped Perimeter Area
- Indirectly Affected Area
- Low Trapped Perimeter Area
- Rising Road Access Area
- Not Flood Affected
- 1% AEP Extent

Road Overtopping Location

- 15 Time of Road First Overtopping (hours)
- 0.5 Duration of Overtopping (hours)

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 47.2: Emergency Response Precinct Classifications for the 1% AEP Flood

Prepared By:

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Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig47.2 ERC for the 1% AEP Flood.wor

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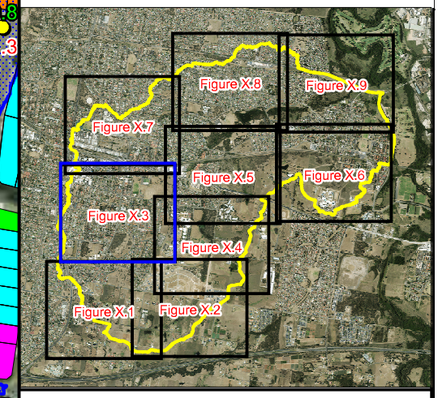

LEGEND

- Area with Overland Escape Route
- High Trapped Perimeter Area
- Overland Refuge Area on High Flood Island or High Trapped Perimeter Area
- Indirectly Affected Area
- Low Trapped Perimeter Area
- Rising Road Access Area
- Not Flood Affected
- 1% AEP Extent

Road Overtopping Location

- 1.5 — Time of Road First Overtopping (hours)
- 0.5 — Duration of Overtopping (hours)

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3 Km

Figure 47.3: Emergency Response Precinct Classifications for the 1% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig47.3 ERC for the 1% AEP Flood.wor

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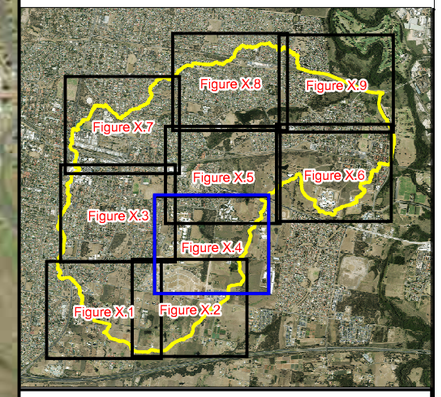

LEGEND

- Area with Overland Escape Route
- High Trapped Perimeter Area
- Overland Refuge Area on High Flood Island or High Trapped Perimeter Area
- Indirectly Affected Area
- Low Trapped Perimeter Area
- Rising Road Access Area
- Not Flood Affected
- 1% AEP Extent

Road Overtopping Location

- 1.5 Time of Road First Overtopping (hours)
- 0.5 Duration of Overtopping (hours)

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 47.4: Emergency Response Precinct Classifications for the 1% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig47.4 ERC for the 1% AEP Flood.wor

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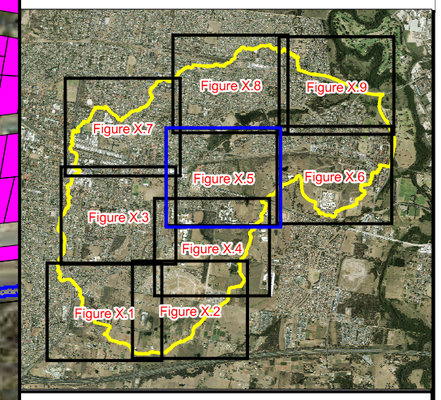

LEGEND

- Area with Overland Escape Route
- High Trapped Perimeter Area
- Overland Refuge Area on High Flood Island or High Trapped Perimeter Area
- Indirectly Affected Area
- Low Trapped Perimeter Area
- Rising Road Access Area
- Not Flood Affected
- 1% AEP Extent

Road Overtopping Location

- 1.5 — Time of Road First Overtopping (hours)
- 0.5 — Duration of Overtopping (hours)

Preliminary flood behaviour across this area is based upon design terrain information which may not reflect final topography. Therefore, the results shown in this area are preliminary and subject to further confirmation through the finalisation of the subdivision

Penrith & Districts Basketball Association
Herbert Street
Victoria Street
Cottage Street
Burton Street
Railway
George Street
Great Western Highway
O'Connell Street
Second Ave
Nepean College Kingswood
Lamrock Reserve

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 47.5: Emergency Response Precinct Classifications for the 1% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig47.5 ERC for the 1% AEP Flood.wor

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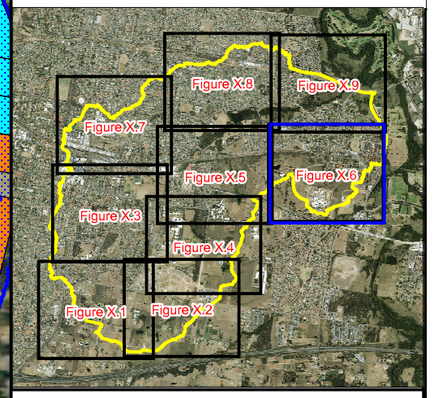

LEGEND

- Area with Overland Escape Route
- High Trapped Perimeter Area
- Overland Refuge Area on High Flood Island or High Trapped Perimeter Area
- Indirectly Affected Area
- Low Trapped Perimeter Area
- Rising Road Access Area
- Not Flood Affected
- 1% AEP Extent

Road Overtopping Location

- 15 Time of Road First Overtopping (hours)
- 0.5 Duration of Overtopping (hours)

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 47.6: Emergency Response Precinct Classifications for the 1% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig47.6 ERC for the 1% AEP Flood.wor

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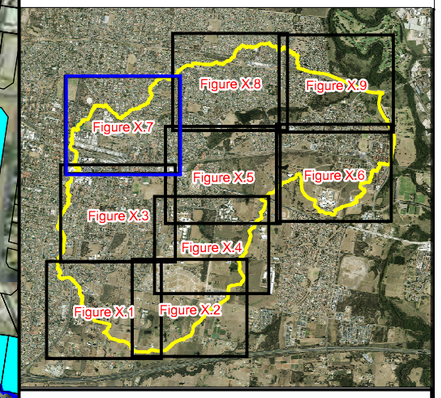

LEGEND

- Area with Overland Escape Route
- High Trapped Perimeter Area
- Overland Refuge Area on High Flood Island or High Trapped Perimeter Area
- Indirectly Affected Area
- Low Trapped Perimeter Area
- Rising Road Access Area
- Not Flood Affected
- 1% AEP Extent

Road Overtopping Location

- 1.5 — Time of Road First Overtopping (hours)
- 0.5 — Duration of Overtopping (hours)

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3 Km

Figure 47.7: Emergency Response Precinct Classifications for the 1% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig47.7 ERC for the 1% AEP Flood.wor

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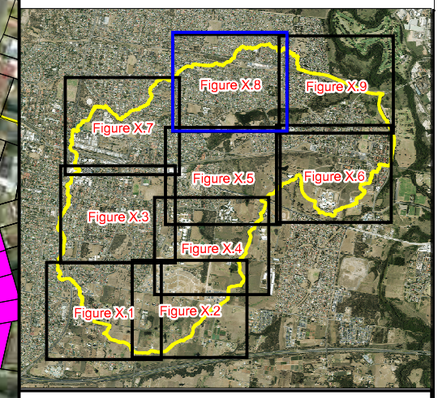

LEGEND

- Area with Overland Escape Route
- High Trapped Perimeter Area
- Overland Refuge Area on High Flood Island or High Trapped Perimeter Area
- Indirectly Affected Area
- Low Trapped Perimeter Area
- Rising Road Access Area
- Not Flood Affected
- 1% AEP Extent

Road Overtopping Location

- 1.5 Time of Road First Overtopping (hours)
- 0.5 Duration of Overtopping (hours)

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

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Scale 1:5,000 (at A3)

0 0.15 0.3
Km

Figure 47.8: Emergency Response Precinct Classifications for the 1% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig47.8 ERC for the 1% AEP Flood.wor

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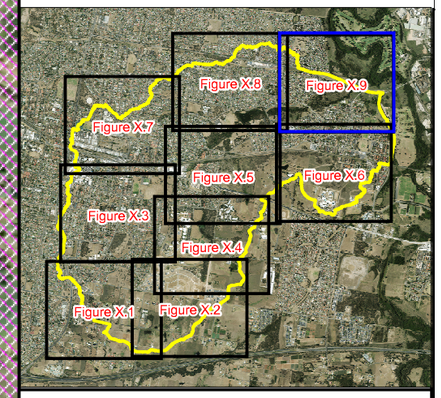


LEGEND

- Area with Overland Escape Route
- High Trapped Perimeter Area
- Overland Refuge Area on High Flood Island or High Trapped Perimeter Area
- Indirectly Affected Area
- Low Trapped Perimeter Area
- Rising Road Access Area
- Not Flood Affected
- 1% AEP Extent

Road Overtopping Location

- 1.5 — Time of Road First Overtopping (hours)
- 0.5 — Duration of Overtopping (hours)

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N W E S

Scale 1:5,000 (at A3)

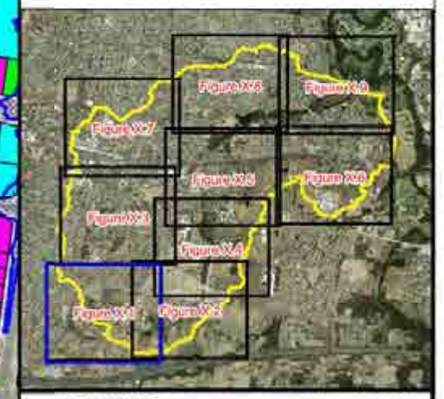
0 0.15 0.3 Km

Figure 47.9: Emergency Response Precinct Classifications for the 1% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig47.9 ERC for the 1% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

- Area with Overland Escape Route
- High Trapped Perimeter Area
- Overland Refuge Area on High Flood Island or High Trapped Perimeter Area
- Indirectly Affected Area
- Low Trapped Perimeter Area
- Rising Road Access Area
- Not Flood Affected
- PMF Extent

Road Overtopping Location

- Time of Road First Overtopping (hours)
- 0.5 Duration of Overtopping (hours)

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

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Scale 1:5,000 (at A3)

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Figure 48.1: Emergency Response Precinct Classifications for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig48.1 ERC for the PMF Flood.wor

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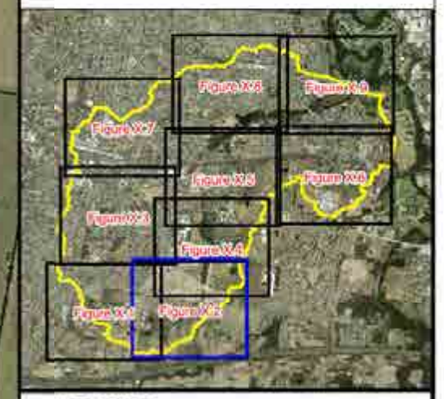

LEGEND

- Area with Overland Escape Route
- High Trapped Perimeter Area
- Overland Refuge Area on High Flood Island or High Trapped Perimeter Area
- Indirectly Affected Area
- Low Trapped Perimeter Area
- Rising Road Access Area
- Not Flood Affected
- PMF Extent

Road Overtopping Location

- Time of Road First Overtopping (hours)
- 0.5 Duration of Overtopping (hours)

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

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Scale 1:5,000 (at A3)

0 0.15 0.3
Km

Figure 48.2: Emergency Response Precinct Classifications for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig48.2 ERC for the PMF Flood.wor

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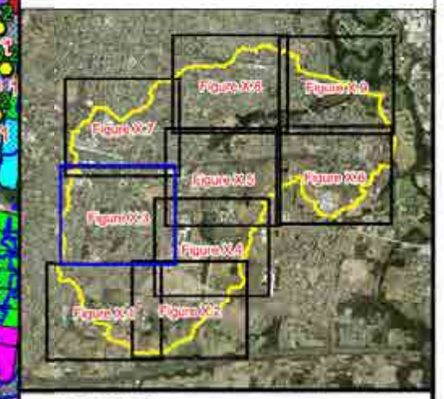

LEGEND

- Area with Overland Escape Route
- High Trapped Perimeter Area
- Overland Refuge Area on High Flood Island or High Trapped Perimeter Area
- Indirectly Affected Area
- Low Trapped Perimeter Area
- Rising Road Access Area
- Not Flood Affected
- PMF Extent

Road Overtopping Location

- Time of Road First Overtopping (hours)
- 0.5 Duration of Overtopping (hours)

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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Scale 1:5,000 (at A3)

0 0.15 0.3

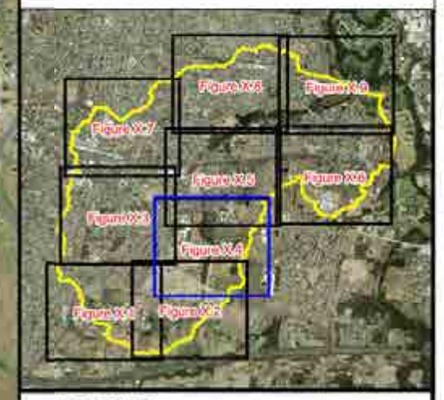
Km

Figure 48.3: Emergency Response Precinct Classifications for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig48.3 ERC for the PMF Flood.wor

PENRITH CITY COUNCIL



LEGEND

- Area with Overland Escape Route
- High Trapped Perimeter Area
- Overland Refuge Area on High Flood Island or High Trapped Perimeter Area
- Indirectly Affected Area
- Low Trapped Perimeter Area
- Rising Road Access Area
- Not Flood Affected
- PMF Extent

Road Overtopping Location

- Time of Road First Overtopping (hours)
- 0.5 Duration of Overtopping (hours)

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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Scale 1:5,000 (at A3)

0 0.15 0.3

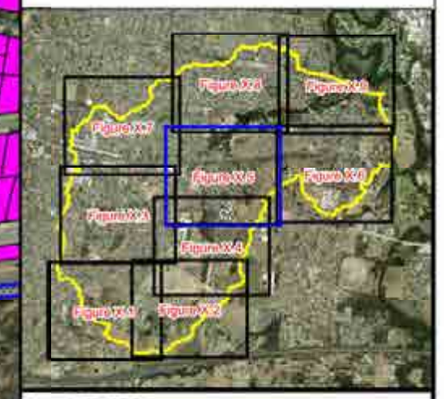
Km

Figure 48.4: Emergency Response Precinct Classifications for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig48.4 ERC for the PMF Flood.wor

PENRITH CITY COUNCIL



LEGEND

- Area with Overland Escape Route
- High Trapped Perimeter Area
- Overland Refuge Area on High Flood Island or High Trapped Perimeter Area
- Indirectly Affected Area
- Low Trapped Perimeter Area
- Rising Road Access Area
- Not Flood Affected
- PMF Extent

Road Overtopping Location

- Time of Road First Overtopping (hours)
- Duration of Overtopping (hours)

Preliminary flood behaviour across this area is based upon design terrain information which may not reflect final topography. Therefore, the results shown in this area are preliminary and subject to further confirmation through the finalisation of the subdivision

Penrith & Districts Basketball Association

Victoria Street

Cottage Street

Burton Street

Railway

George Street

O'Connell Street

Great Western Highway

Bond Ave

Nepean College Kingswood

Lamrock Reserve

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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Scale 1:5,000 (at A3)

0 0.15 0.3

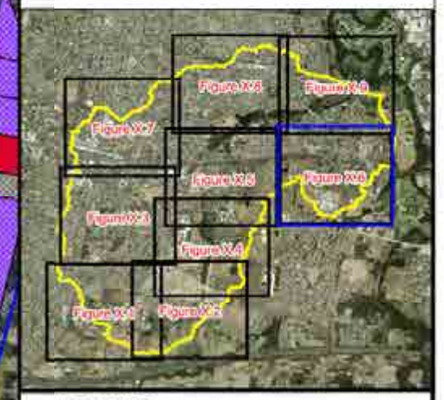
Km

Figure 48.5: Emergency Response Precinct Classifications for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig48.5 ERC for the PMF Flood.wor

PENRITH CITY COUNCIL



LEGEND

- Area with Overland Escape Route
- High Trapped Perimeter Area
- Overland Refuge Area on High Flood Island or High Trapped Perimeter Area
- Indirectly Affected Area
- Low Trapped Perimeter Area
- Rising Road Access Area
- Not Flood Affected
- PMF Extent

Road Overtopping Location

- Time of Road First Overtopping (hours)
- 0.5 Duration of Overtopping (hours)

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

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Scale 1:5,000 (at A3)

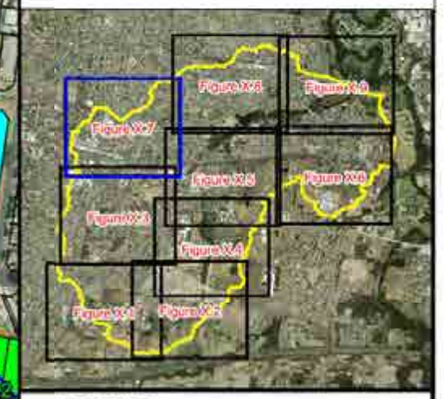
0 0.15 0.3
Km

Figure 48.6: Emergency Response Precinct Classifications for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig48.6 ERC for the PMF Flood.wor

PENRITH CITY COUNCIL



LEGEND

- Area with Overland Escape Route
- High Trapped Perimeter Area
- Overland Refuge Area on High Flood Island or High Trapped Perimeter Area
- Indirectly Affected Area
- Low Trapped Perimeter Area
- Rising Road Access Area
- Not Flood Affected
- PMF Extent

Road Overtopping Location

- Time of Road First Overtopping (hours)
- 0.5 Duration of Overtopping (hours)

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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S

Scale 1:5,000 (at A3)

0 0.15 0.3
Km

Figure 48.7: Emergency Response Precinct Classifications for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig48.7 ERC for the PMF Flood.wor

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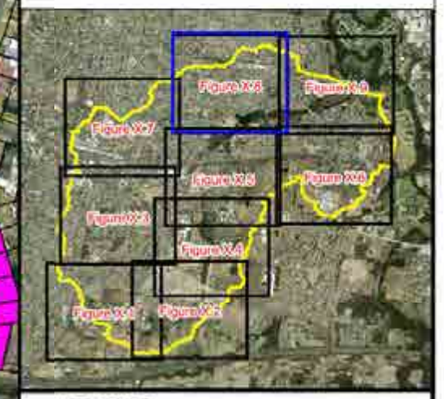
CITY COUNCIL



LEGEND

- Area with Overland Escape Route
- High Trapped Perimeter Area
- Overland Refuge Area on High Flood Island or High Trapped Perimeter Area
- Indirectly Affected Area
- Low Trapped Perimeter Area
- Rising Road Access Area
- Not Flood Affected
- PMF Extent

Road Overtopping Location

- Time of Road First Overtopping (hours)
- 0.5 Duration of Overtopping (hours)

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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Scale 1:5,000 (at A3)

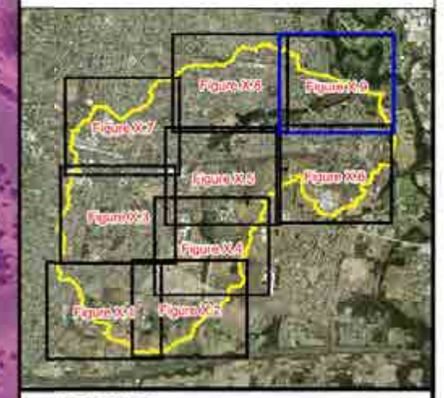
0 0.15 0.3
Km

Figure 48.8: Emergency Response Precinct Classifications for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig48.8 ERC for the PMF Flood.wor

PENRITH CITY COUNCIL



LEGEND

- Area with Overland Escape Route
- High Trapped Perimeter Area
- Overland Refuge Area on High Flood Island or High Trapped Perimeter Area
- Indirectly Affected Area
- Low Trapped Perimeter Area
- Rising Road Access Area
- Not Flood Affected
- PMF Extent

Road Overtopping Location

- Time of Road First Overtopping (hours)
- 0.5 Duration of Overtopping (hours)

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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Scale 1:5,000 (at A3)

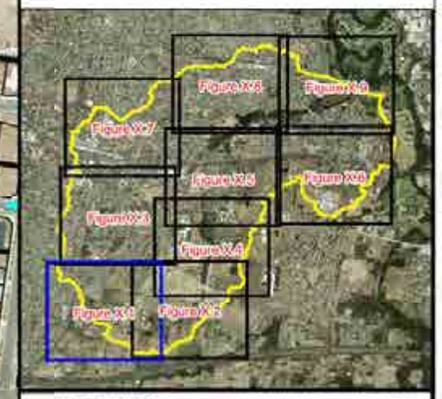
0 0.15 0.3
Km

Figure 48.9: Emergency Response Precinct Classifications for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig48.9 ERC for the PMF Flood.wor

PENRITH
CITY COUNCIL



LEGEND

Hazard Categories
- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 49.1: Preliminary True Flood Hazard for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 49.1 Preliminary True Flood Hazard for the 5% AEP Flood.wor

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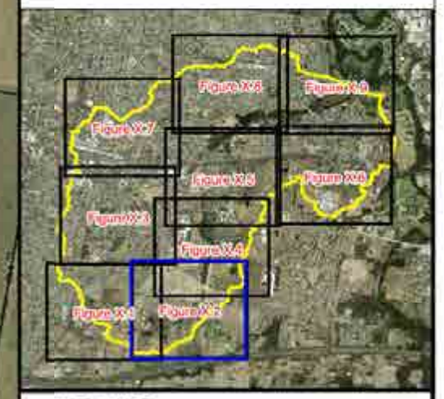

LEGEND

Hazard Categories
- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

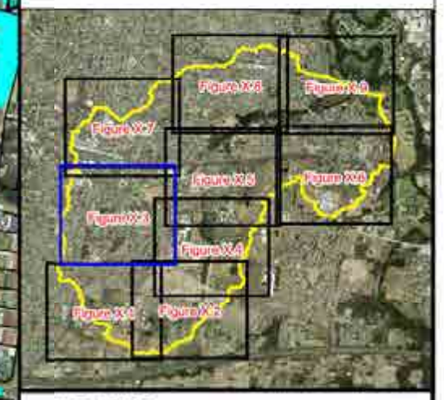
Figure 49.2: Preliminary True Flood Hazard for the 5% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig 49.2 Preliminary True Flood Hazard for the 5% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Hazard Categories

- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 49.3: Preliminary True Flood Hazard for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 49.3 Preliminary True Flood Hazard for the 5% AEP Flood.wor

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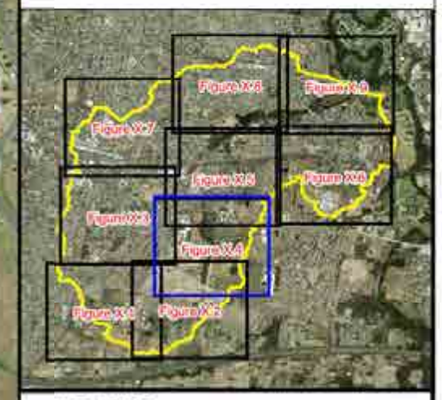
CITY COUNCIL



LEGEND

Hazard Categories
- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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S

Scale 1:5,000 (at A3)

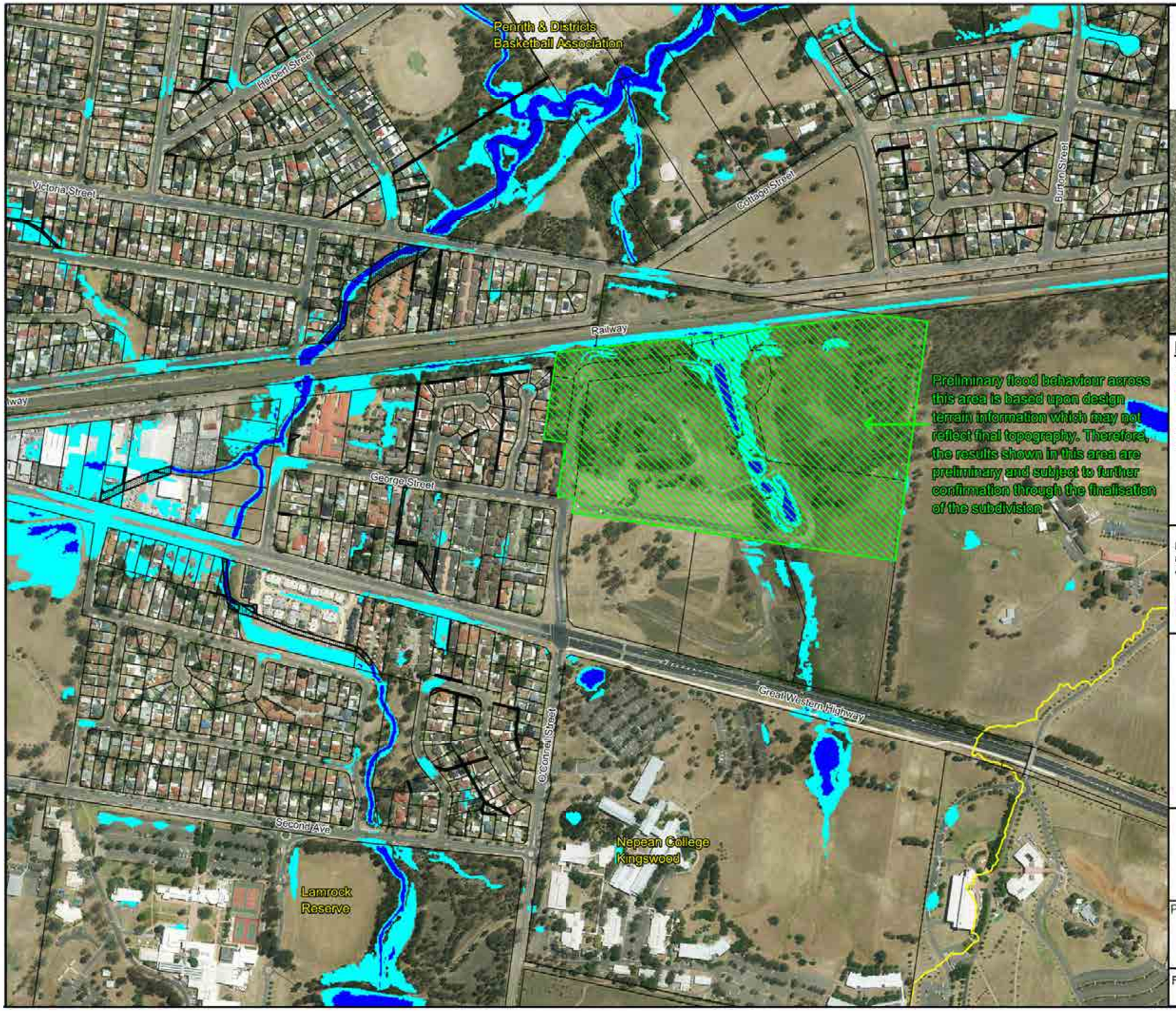
0 0.15 0.3

Km

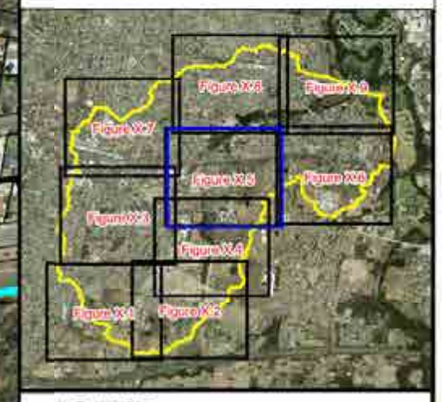
Figure 49.4: Preliminary True Flood Hazard for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 49.4 Preliminary True Flood Hazard for the 5% AEP Flood.wor



PENRITH CITY COUNCIL



LEGEND

Hazard Categories
- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 49.5: Preliminary True Flood Hazard for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 49.5 Preliminary True Flood Hazard for the 5% AEP Flood.wor

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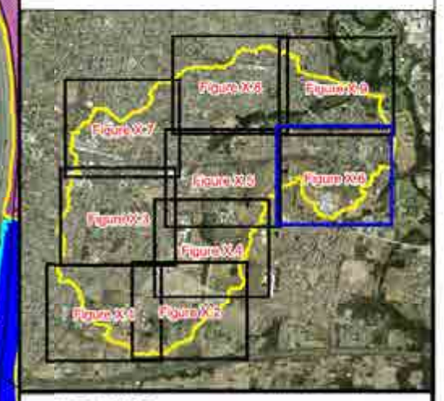

LEGEND

Hazard Categories

- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N

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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 49.6: Preliminary True Flood Hazard for the 5% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 49.6 Preliminary True Flood Hazard for the 5% AEP Flood.wor

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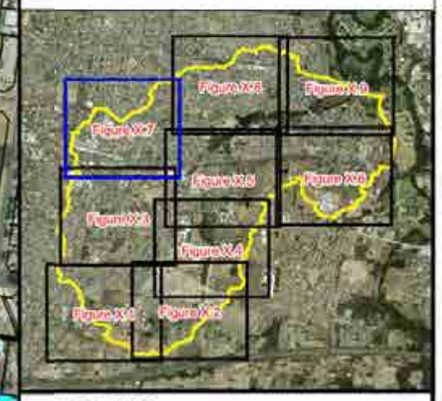

LEGEND

Hazard Categories
- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 49.7: Preliminary True Flood Hazard for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 49.7 Preliminary True Flood Hazard for the 5% AEP Flood.wor

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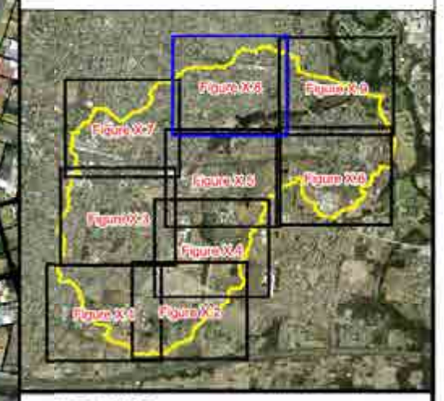

LEGEND

Hazard Categories
- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 49.8: Preliminary True Flood Hazard for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 49.8 Preliminary True Flood Hazard for the 5% AEP Flood.wor

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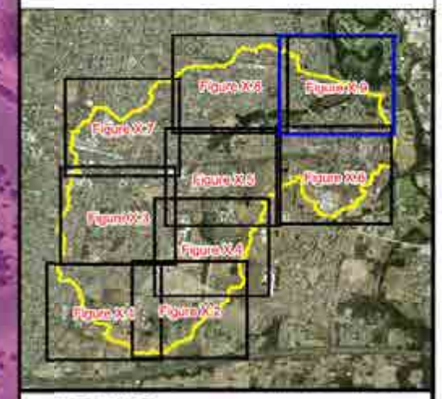

LEGEND

Hazard Categories
- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

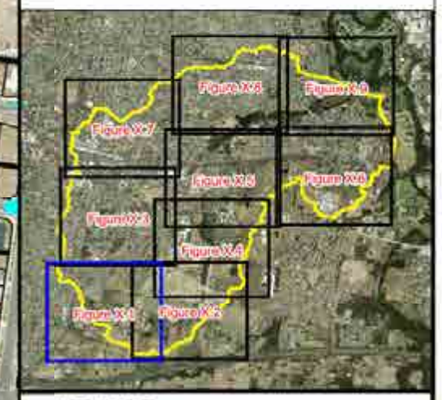
Figure 49.9: Preliminary True Flood Hazard for the 5% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 49.9 Preliminary True Flood Hazard for the 5% AEP Flood.wor

PENRITH
CITY COUNCIL



LEGEND

Hazard Categories

- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 50.1: Preliminary True Flood Hazard for the 1% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 50.1 Preliminary True Flood Hazard for the 1% AEP Flood.wor

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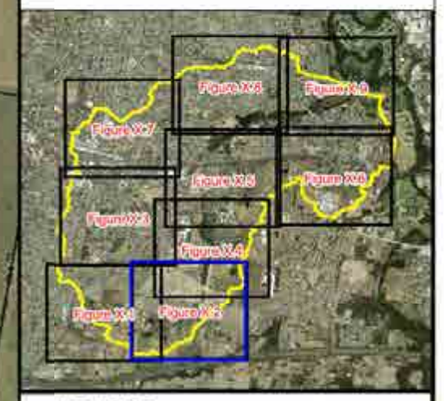

LEGEND

Hazard Categories

- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 50.2: Preliminary True Flood Hazard for the 1% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 50.2 Preliminary True Flood Hazard for the 1% AEP Flood.wor

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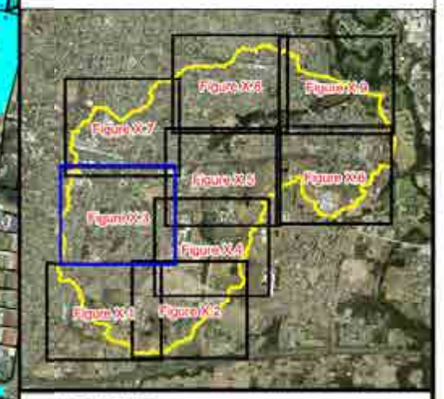

LEGEND

Hazard Categories

- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N W E S

Scale 1:5,000 (at A3)

0 0.15 0.3 Km

Figure 50.3: Preliminary True Flood Hazard for the 1% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 50.3 Preliminary True Flood Hazard for the 1% AEP Flood.wor

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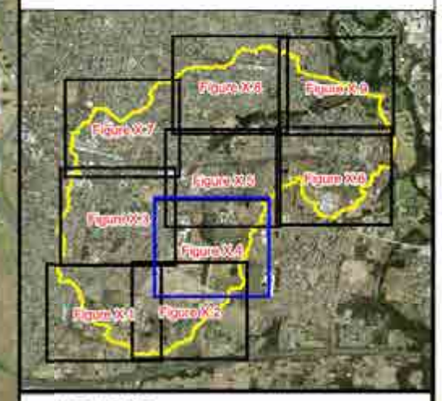

LEGEND

Hazard Categories
- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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Scale 1:5,000 (at A3)

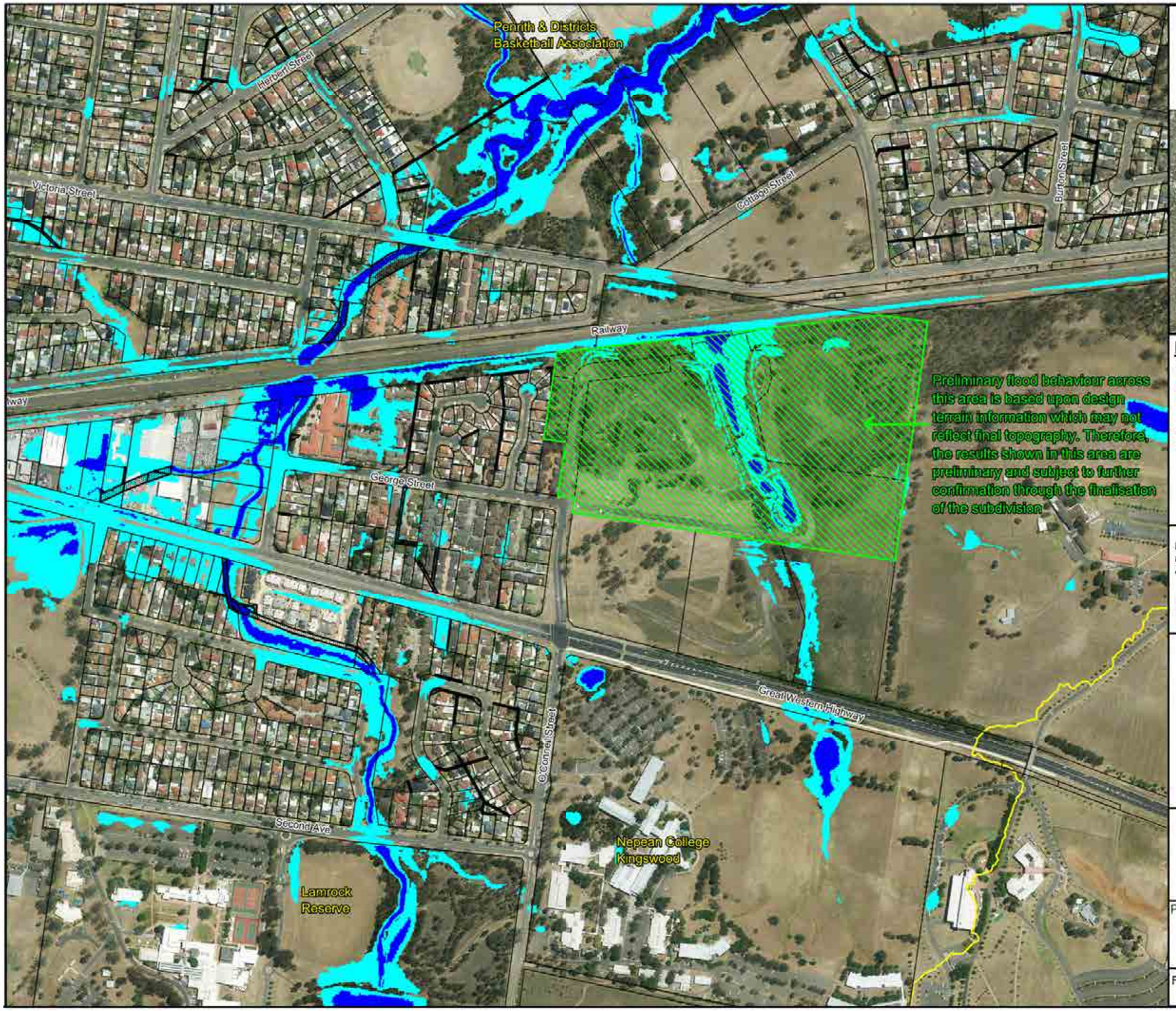
0 0.15 0.3

Km

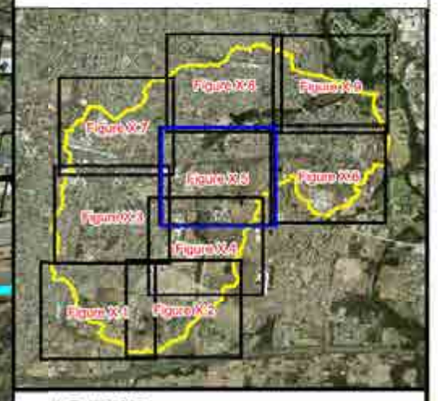
Figure 50.4: Preliminary True Flood Hazard for the 1% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 50.4 Preliminary True Flood Hazard for the 1% AEP Flood.wor



PENRITH CITY COUNCIL



LEGEND

Hazard Categories
- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

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Scale 1:5,000 (at A3)

0 0.15 0.3

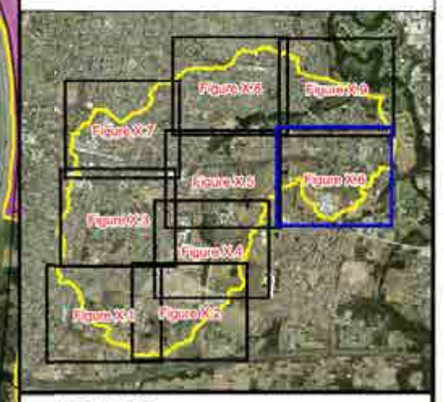
Km

Figure 50.5: Preliminary True Flood Hazard for the 1% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 50.5 Preliminary True Flood Hazard for the 1% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Hazard Categories

- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

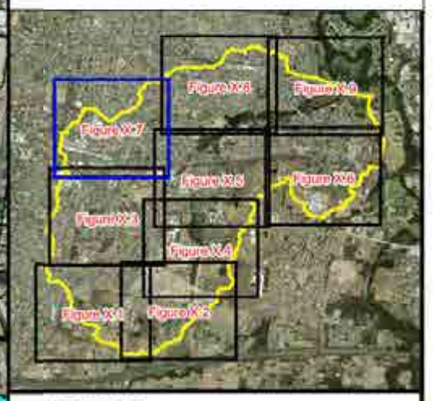
Figure 50.6: Preliminary True Flood Hazard for the 1% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 50.6 Preliminary True Flood Hazard for the 1% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Hazard Categories
- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 50.7: Preliminary True Flood Hazard for the 1% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 50.7 Preliminary True Flood Hazard for the 1% AEP Flood.wor

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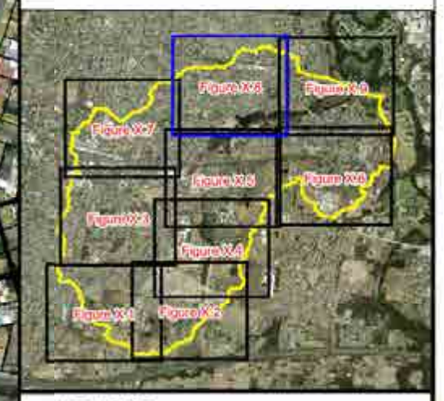
CITY COUNCIL



LEGEND

Hazard Categories
- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 50.8: Preliminary True Flood Hazard for the 1% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 50.8 Preliminary True Flood Hazard for the 1% AEP Flood.wor

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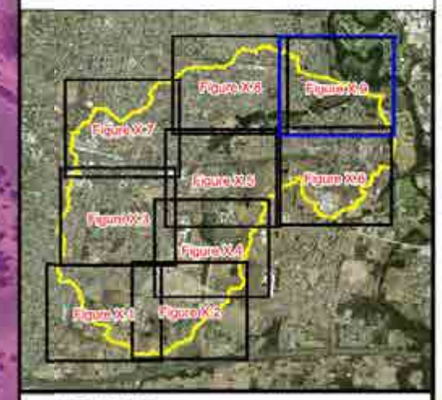

LEGEND

Hazard Categories
- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 50.9: Preliminary True Flood Hazard for the 1% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 50.9 Preliminary True Flood Hazard for the 1% AEP Flood.wor

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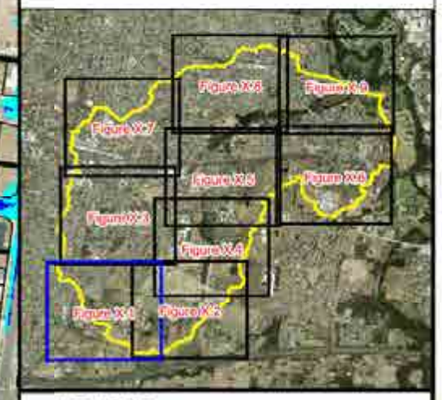

LEGEND

Hazard Categories
- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 51.1: Preliminary True Flood Hazard for the PMF

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 51.1 Preliminary True Flood Hazard for the PMF.wor

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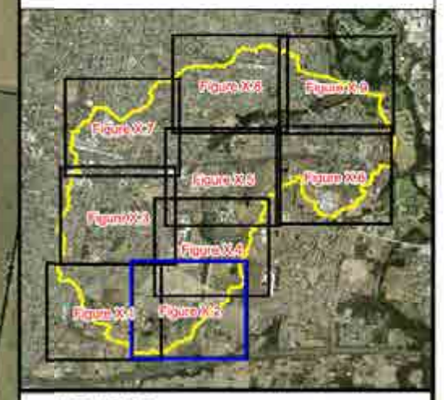

Cadda Ridge Drive
Penrith Baptist Church
O'Connell Lane
Weema St
Caddens Road
Kingswood Road
Castle Road
Uhm Road
rd Hills School

LEGEND

Hazard Categories
- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 51.2: Preliminary True Flood Hazard for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 51.2 Preliminary True Flood Hazard for the PMF.wor

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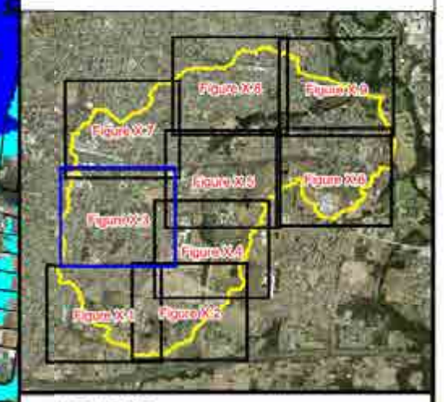

LEGEND

Hazard Categories
- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 51.3: Preliminary True Flood Hazard for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 51.3 Preliminary True Flood Hazard for the PMF.wor

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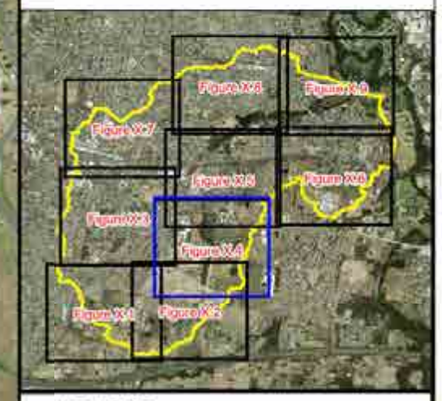


LEGEND

Hazard Categories

- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

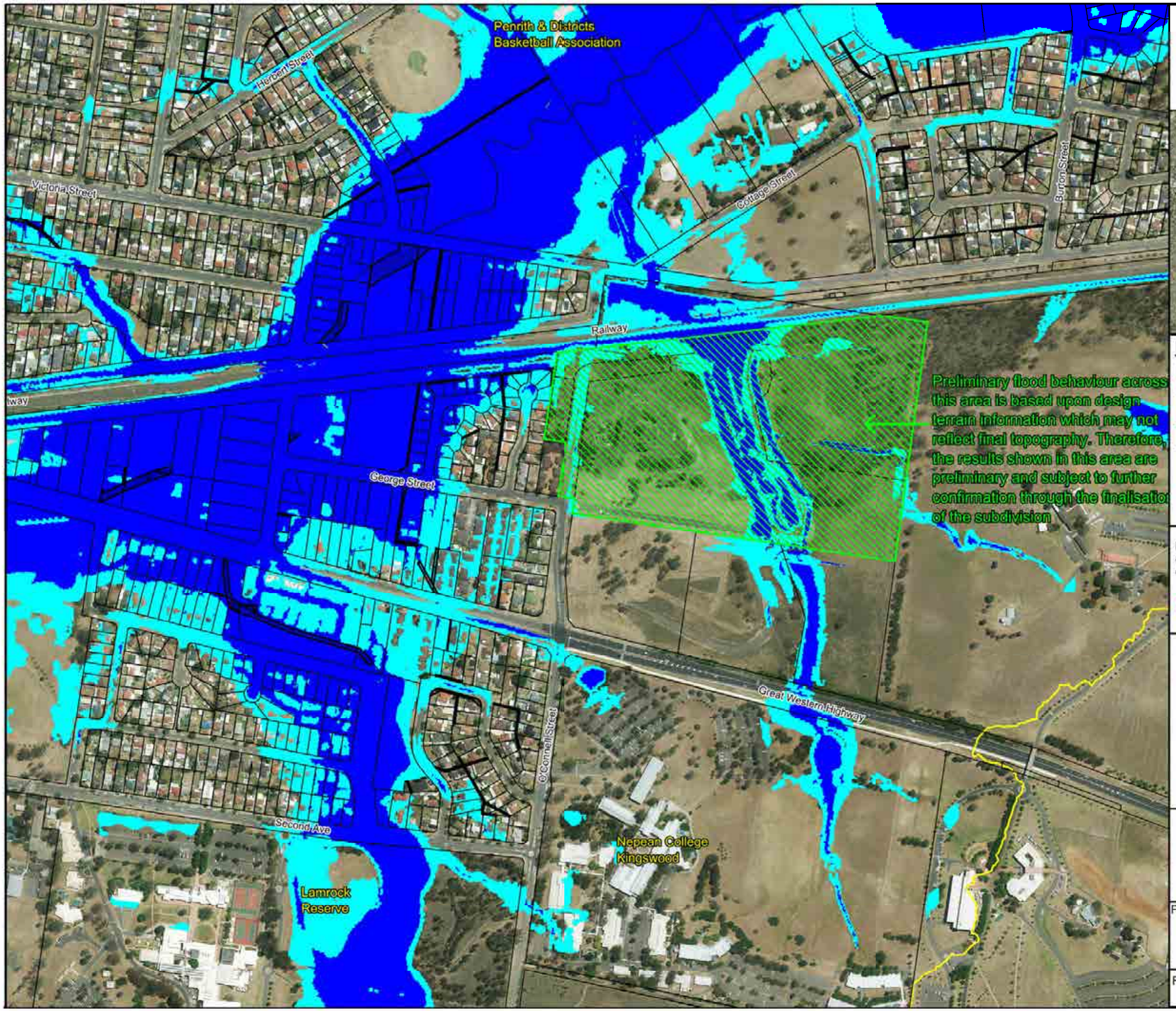
0 0.15 0.3

Km

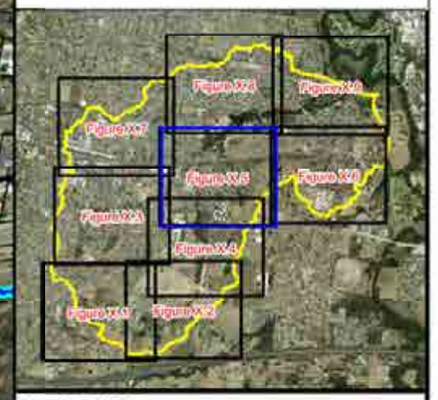
Figure 51.4: Preliminary True Flood Hazard for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 51.4 Preliminary True Flood Hazard for the PMF.wor



PENRITH CITY COUNCIL



LEGEND

Hazard Categories
- Low
- High

Drainage Easement

Notes:
Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.
Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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Scale 1:5,000 (at A3)

0 0.15 0.3

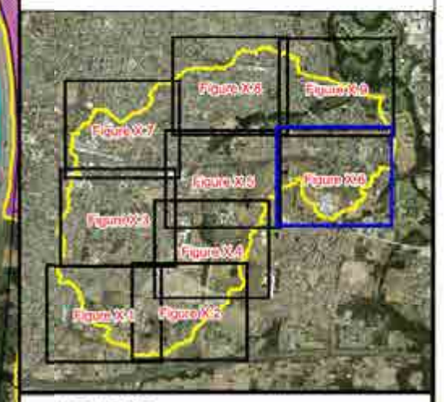
Km

Figure 51.5: Preliminary True Flood Hazard for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 51.5 Preliminary True Flood Hazard for the PMF.wor

PENRITH CITY COUNCIL



LEGEND

Hazard Categories

- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N

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S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 51.6: Preliminary True Flood Hazard for the PMF

Prepared By:

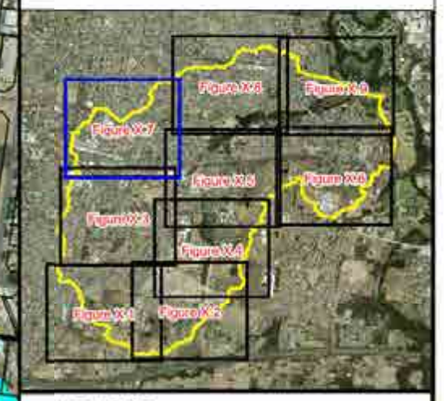
Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name:Fig 51.6 Preliminary True Flood Hazard for the PMF.wor

PENRITH CITY COUNCIL



LEGEND

Hazard Categories

- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N

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S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 51.7: Preliminary True Flood Hazard for the PMF

Prepared By:

Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name:Fig 51.7 Preliminary True Flood Hazard for the PMF.wor

PENRITH
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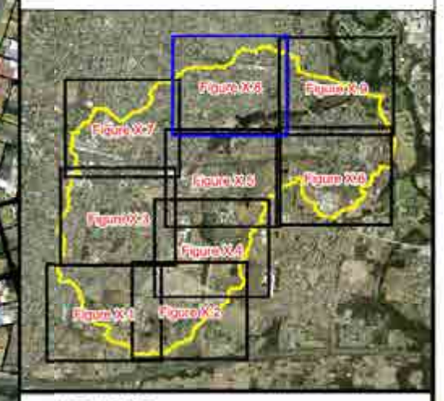

LEGEND

Hazard Categories
- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 51.8: Preliminary True Flood Hazard for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 51.8 Preliminary True Flood Hazard for the PMF.wor

PENRITH
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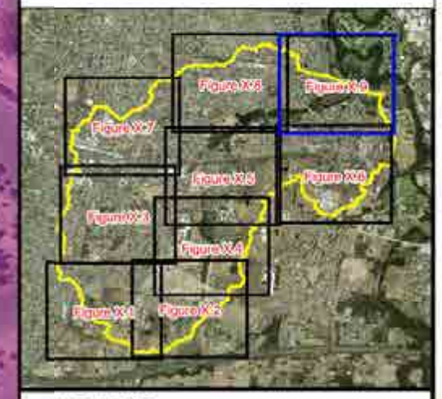

LEGEND

Hazard Categories
- Low
- High

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

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Scale 1:5,000 (at A3)

0 0.15 0.3

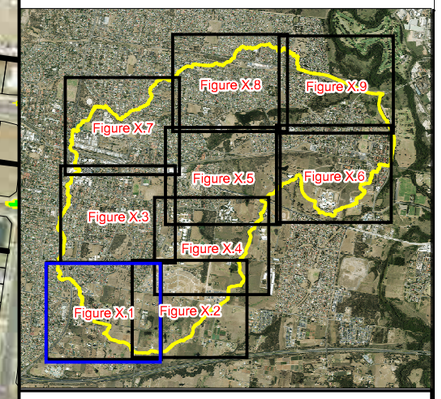
Km

Figure 51.9: Preliminary True Flood Hazard for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 51.9 Preliminary True Flood Hazard for the PMF.wor

PENRITH CITY COUNCIL



LEGEND

Hydraulic Categories
- Flood Fringe
- Flood Storage
- Floodway

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 52.1: Hydraulic Categories for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 52.1 Hydraulic Categories for the 5% AEP Flood.wor

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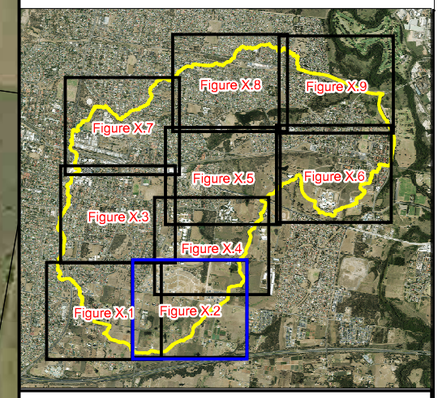

LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

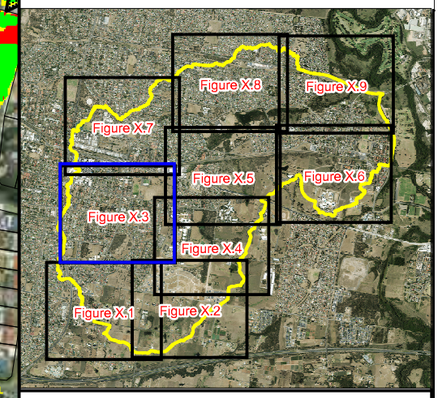
Figure 52.2: Hydraulic Categories for the 5% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 52.2 Hydraulic Categories for the 5% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
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Scale 1:5,000 (at A3)

0 0.15 0.3

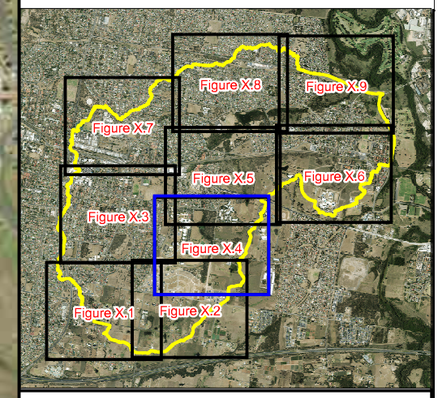
Km

Figure 52.3: Hydraulic Categories for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 52.3 Hydraulic Categories for the 5% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

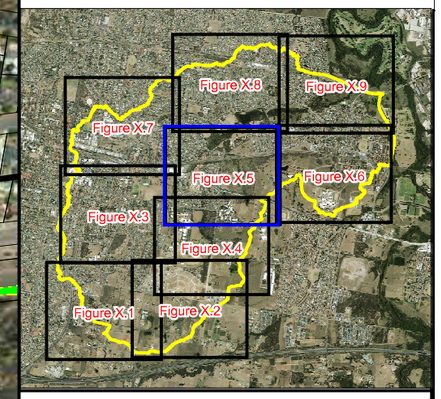
Km

Figure 52.4: Hydraulic Categories for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 52.4 Hydraulic Categories for the 5% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

Drainage Easement

Preliminary flood behaviour across this area is based upon design terrain information which may not reflect final topography. Therefore, the results shown in this area are preliminary and subject to further confirmation through the finalisation of the subdivision

Penrith & Districts Basketball Association
Herbert Street
Victoria Street
Cottage Street
Burton Street
Railway
George Street
Second Ave
O'Connell Street
Great Western Highway
Nepean College Kingswood
Lamrock Reserve

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 52.5: Hydraulic Categories for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 52.5 Hydraulic Categories for the 5% AEP Flood.wor

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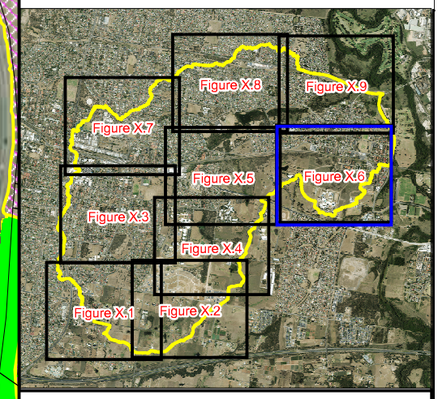

LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 52.6: Hydraulic Categories for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 52.6 Hydraulic Categories for the 5% AEP Flood.wor

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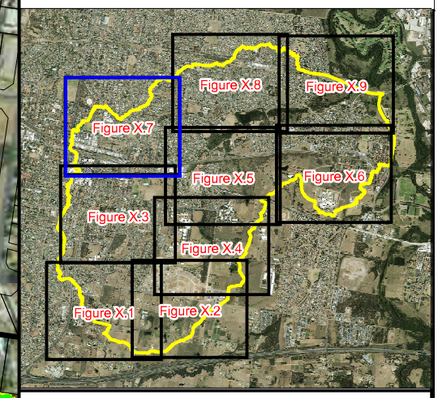

LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
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Scale 1:5,000 (at A3)

0 0.15 0.3

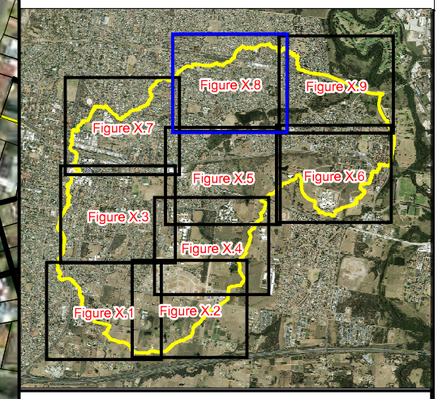
Km

Figure 52.7: Hydraulic Categories for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 52.7 Hydraulic Categories for the 5% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

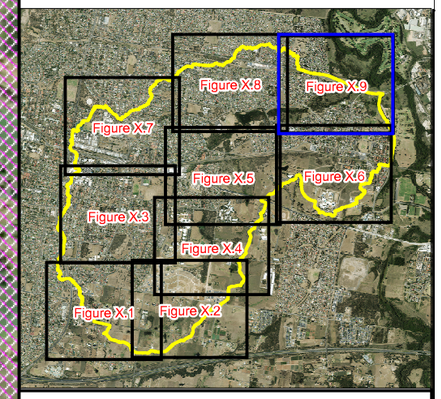
Km

Figure 52.8: Hydraulic Categories for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 52.8 Hydraulic Categories for the 5% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 52.9: Hydraulic Categories for the 5% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 52.9 Hydraulic Categories for the 5% AEP Flood.wor

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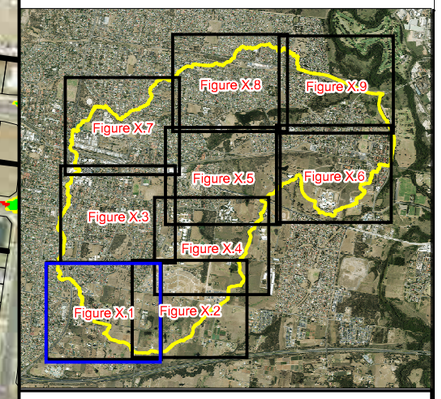

LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.

Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N

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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 53.1: Hydraulic Categories for the 1% AEP Flood

Prepared By:

Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name:Fig 53.1 Hydraulic Categories for the 1% AEP Flood.wor

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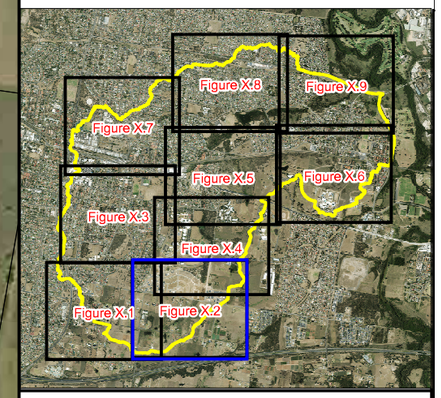

LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

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Scale 1:5,000 (at A3)

0 0.15 0.3

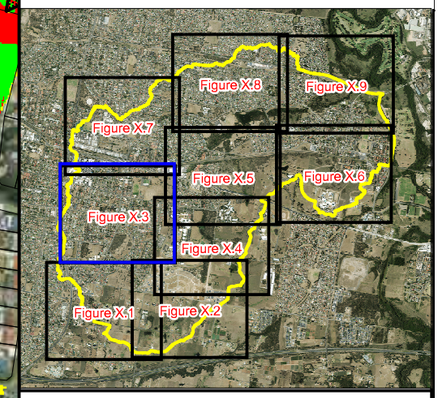
Km

Figure 53.2: Hydraulic Categories for the 1% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 53.2 Hydraulic Categories for the 1% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 53.3: Hydraulic Categories for the 1% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 53.3 Hydraulic Categories for the 1% AEP Flood.wor

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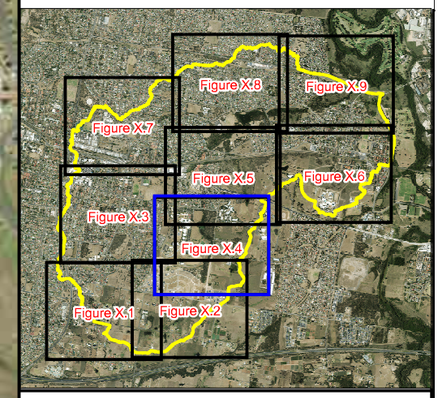

LEGEND

Hydraulic Categories
- Flood Fringe
- Flood Storage
- Floodway

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

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W E
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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 53.4: Hydraulic Categories for the 1% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 53.4 Hydraulic Categories for the 1% AEP Flood.wor

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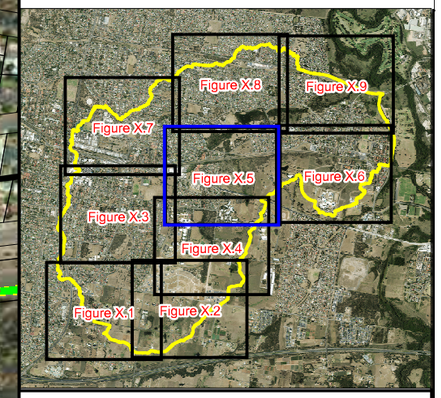

LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

Drainage Easement

Preliminary flood behaviour across this area is based upon design terrain information which may not reflect final topography. Therefore, the results shown in this area are preliminary and subject to further confirmation through the finalisation of the subdivision

Penrith & Districts Basketball Association
Herbert Street
Victoria Street
Cottage Street
Burton Street
Railway
George Street
O'Connell Street
Great Western Highway
Second Ave
Lamrock Reserve
Nepean College Kingswood

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

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Scale 1:5,000 (at A3)

0 0.15 0.3

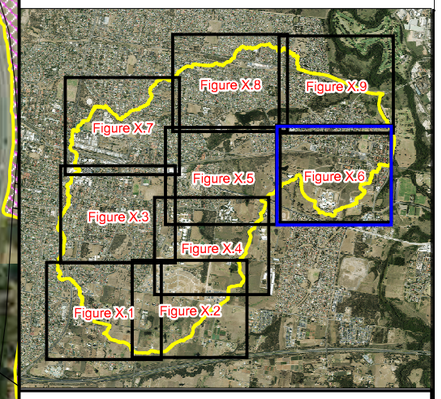
Km

Figure 53.5: Hydraulic Categories for the 1% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 53.5 Hydraulic Categories for the 1% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

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Scale 1:5,000 (at A3)

0 0.15 0.3

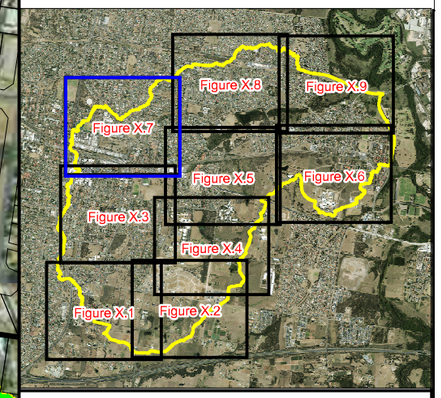
Km

Figure 53.6: Hydraulic Categories for the 1% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 53.6 Hydraulic Categories for the 1% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

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Scale 1:5,000 (at A3)

0 0.15 0.3

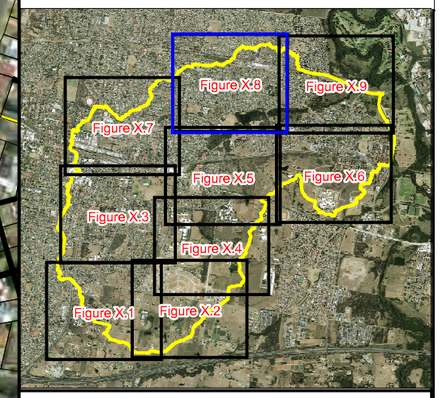
Km

Figure 53.7: Hydraulic Categories for the 1% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 53.7 Hydraulic Categories for the 1% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Hydraulic Categories
- Flood Fringe
- Flood Storage
- Floodway

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

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Scale 1:5,000 (at A3)

0 0.15 0.3

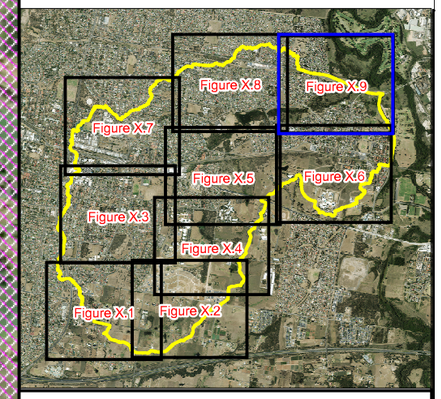
Km

Figure 53.8: Hydraulic Categories for the 1% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 53.8 Hydraulic Categories for the 1% AEP Flood.wor

PENRITH CITY COUNCIL



LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 53.9: Hydraulic Categories for the 1% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 53.9 Hydraulic Categories for the 1% AEP Flood.wor

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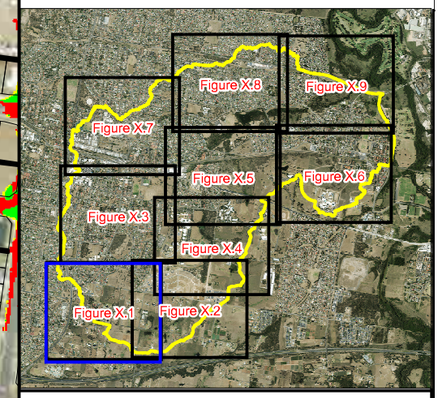

LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 54.1: Hydraulic Categories for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 54.1 Hydraulic Categories for the PMF.wor

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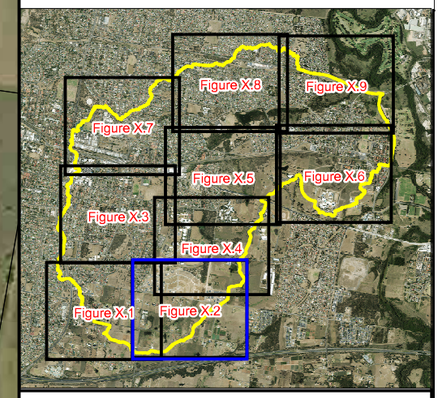

LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innumdation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

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Scale 1:5,000 (at A3)

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Km

Figure 54.2: Hydraulic Categories for the PMF

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 54.2 Hydraulic Categories for the PMF.wor

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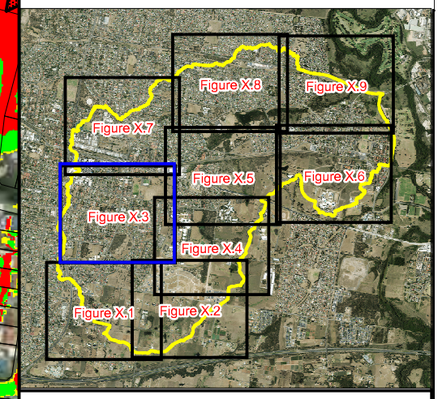

LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 54.3: Hydraulic Categories for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 54.3 Hydraulic Categories for the PMF.wor

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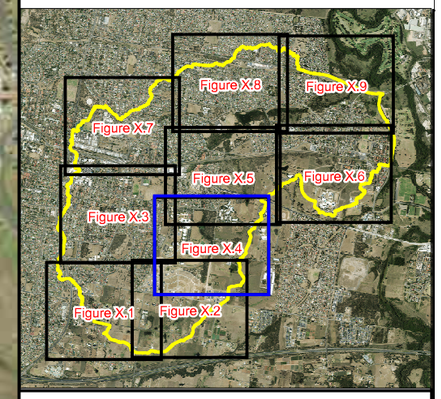

LEGEND

Hydraulic Categories
- Flood Fringe
- Flood Storage
- Floodway

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

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Scale 1:5,000 (at A3)

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Figure 54.4: Hydraulic Categories for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 54.4 Hydraulic Categories for the PMF.wor

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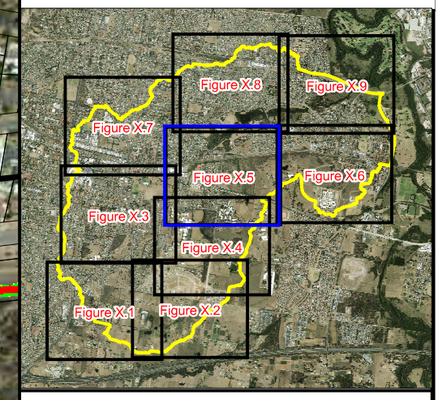

LEGEND

Hydraulic Categories
- Flood Fringe
- Flood Storage
- Floodway

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

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Scale 1:5,000 (at A3)

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Km

Figure 54.5: Hydraulic Categories for the PMF

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 54.5 Hydraulic Categories for the PMF.wor

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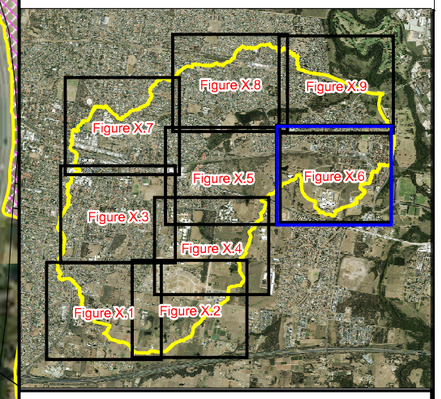

LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 54.6: Hydraulic Categories for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 54.6 Hydraulic Categories for the PMF.wor

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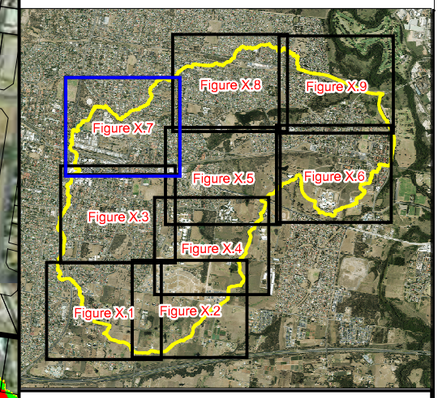

LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

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Scale 1:5,000 (at A3)

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Km

Figure 54.7: Hydraulic Categories for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 54.7 Hydraulic Categories for the PMF.wor

PENRITH
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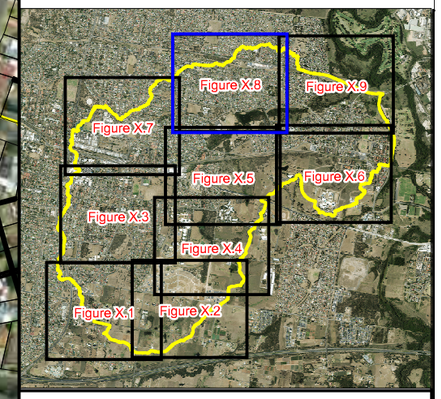

LEGEND

Hydraulic Categories
- Flood Fringe
- Flood Storage
- Floodway

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 54.8: Hydraulic Categories for the PMF

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 54.8 Hydraulic Categories for the PMF.wor

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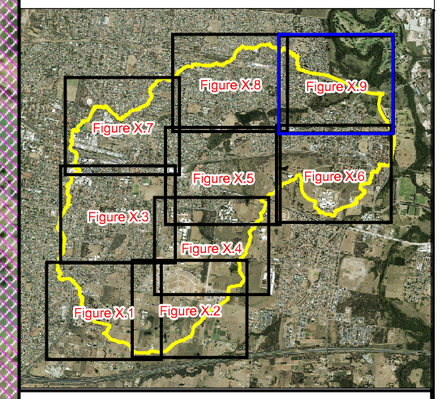

LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

Drainage Easement

Notes:

Results only shown in areas where water depths are above 0.15m.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

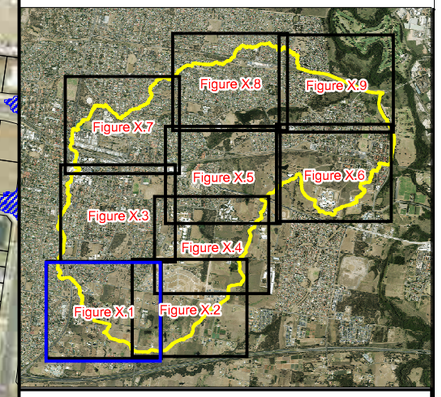
Figure 54.9: Hydraulic Categories for the PMF

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name:Fig 54.9 Hydraulic Categories for the PMF.wor

PENRITH CITY COUNCIL



LEGEND

Flood Planning Area

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

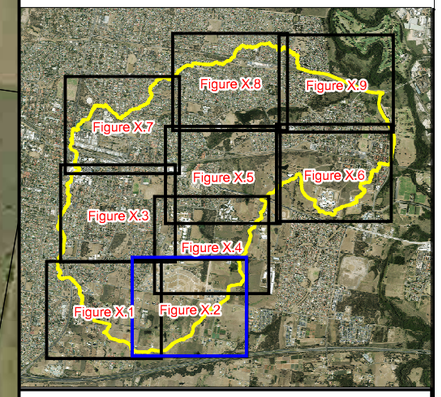
Figure 55.1: Flood Planning Area

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig55.1 Flood Planning Area.wor

PENRITH CITY COUNCIL



LEGEND

Flood Planning Area

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

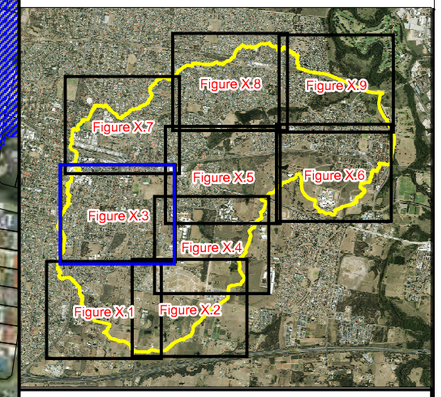
Figure 55.2: Flood Planning Area

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig55.2 Flood Planning Area.wor

PENRITH CITY COUNCIL



LEGEND

Flood Planning Area

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

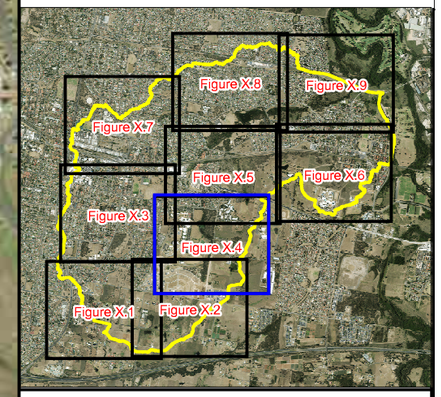
Figure 55.3: Flood Planning Area

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig55.3 Flood Planning Area.wor

PENRITH CITY COUNCIL



LEGEND

Flood Planning Area

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

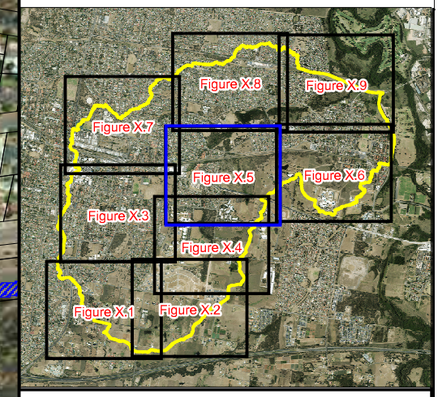
Figure 55.4: Flood Planning Area

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig55.4 Flood Planning Area.wor

PENRITH CITY COUNCIL



LEGEND

Flood Planning Area

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

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Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 55.5: Flood Planning Area

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig55.5 Flood Planning Area.wor

Werrington Public School

Colonial Hotel

Werrington Station

Cobham Remand Centre

Victoria Street

Albert Street

Lethbridge Avenue

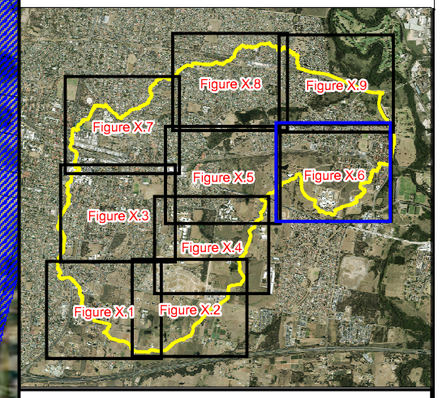
Parkes Ave

Werrington Road

Walker Street

Great Western Highway

PENRITH CITY COUNCIL



LEGEND

Flood Planning Area

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 55.6: Flood Planning Area

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig55.6 Flood Planning Area.wor

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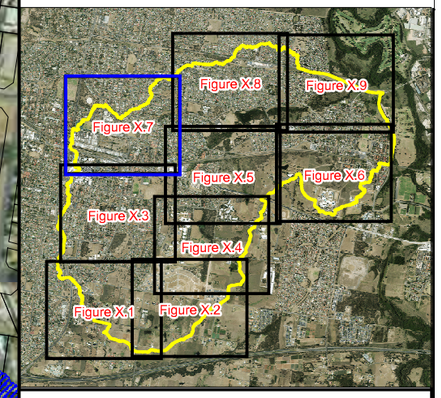

LEGEND

Flood Planning Area

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 55.7: Flood Planning Area

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig55.7 Flood Planning Area.wor

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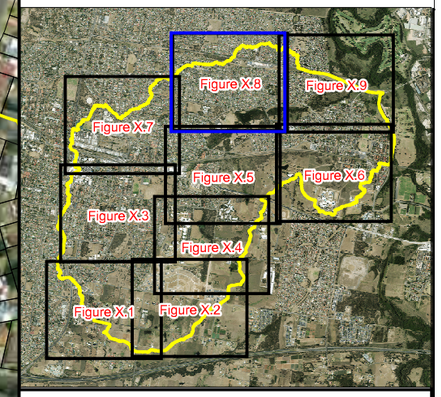

LEGEND

Flood Planning Area

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 55.8: Flood Planning Area

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig55.8 Flood Planning Area.wor

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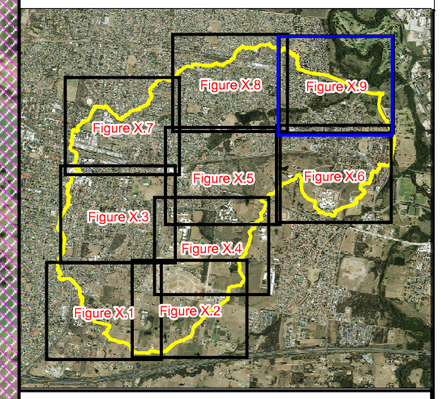

LEGEND

Flood Planning Area

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

Innundation across this area not mapped. Please refer to "Updated South Creek Flood Study" - (Worley Parsons, 2015)

N
W E
S

Scale 1:5,000 (at A3)

0 0.15 0.3

Km

Figure 55.9: Flood Planning Area

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Sydney, NSW 2000

File Name: Fig55.9 Flood Planning Area.wor

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LEGEND

- Peak 1% AEP Flood Extent

Flood Mitigation Options

- Stormwater Pit Upgrade
- Stormwater Pipe Upgrade
- New Stormwater Pipe
- Detention Basin Upgrade
- New Detention Basin

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

N
W E
S

Scale 1:5,000 (at A3)

0 150 300

Km

Figure 56.1 Potential Flood Risk Mitigation Options

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Sydney, NSW 2000

File Name: Fig 56.1 Potential Flood Risk Mitigation Options.wor

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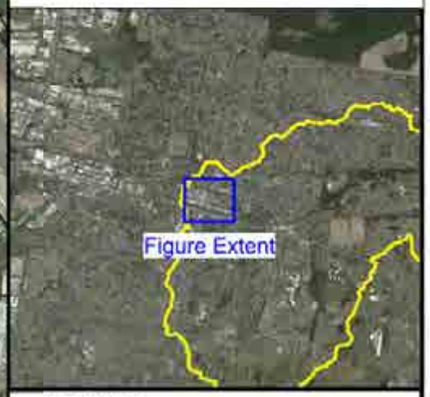

Copeland Street

Elevate embankment to provide additional storage capacity

Upgrade existing pipes

Construction of auxiliary drainage line

Replace "solid" fencing with "open" fencing to allow overland flow to drain into railway reserve

Cox Avenue

Great Western Highway

LEGEND

- Peak 1% AEP Flood Extent

Flood Mitigation Options

- New Drainage Line
- Elevate Embankment
- Stormwater Pipe Upgrade
- Fence Upgrade

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

N W E S

Scale 1:2,000 (at A3)

0 75 150 m

Figure 56.2
Potential Flood Risk Mitigation Options

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Sydney, NSW 2000

File Name: Fig 56.2 Potential Flood Risk Mitigation Options.wor

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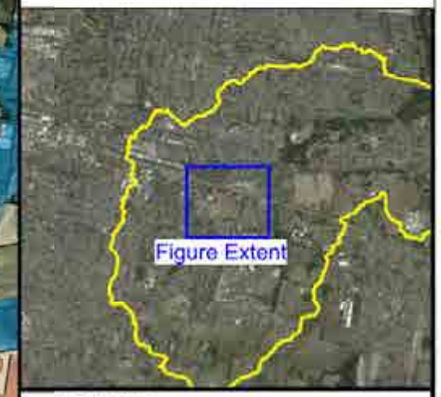

Railway

Culvert Upgrade

Earthworks to provide additional storage

Lowering of the Great Western Highway

rks to provide
nal storage
orting fields

Kingswood Sports Club

Elevate embankment to provide additional storage capacity

Elevate embankment to provide additional storage capacity

Elevate existing embankment/spillway

Culvert Upgrade

Chapman Gardens

Earthworks to provide additional storage in sporting fields

Second Avenue

LEGEND

- Peak 1% AEP Flood Extent

Flood Mitigation Options

- Elevate Spillway
- Elevate Spillway
- Earthworks
- Roadworks
- Culvert Upgrade

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

N
W E
S

Scale 1:3,000 (at A3)

0 100 200

m

Figure 56.3
Potential Flood Risk Mitigation Options

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Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig 56.3 Potential Flood Risk Mitigation Options.wor

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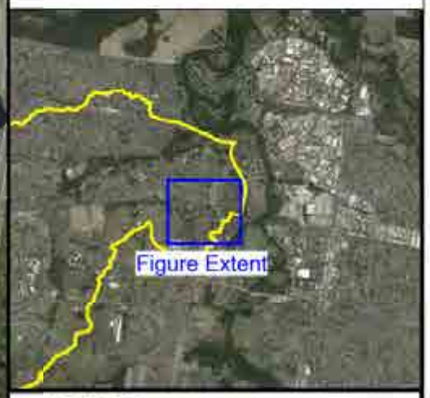

Albert Street

Close existing railway culvert and construct new pipe system to carry flows along northern side of railway

Upgrade existing pipe system

Decrease railway embankment elevation

Wernington Road

Installation of orifice plate to reduce flows leaving basin

Voluntary house raising

Walker Street

Increase capacity of existing basin

LEGEND

- Peak 1% AEP Flood Extent

Flood Mitigation Options

- Close Existing Culvert
- Low Embankment
- Stormwater Pipe Upgrade
- New Stormwater Pipe
- Detention Basin Upgrade
- House Raising

Notes:

Water depths less than 0.15m not displayed.
Aerial photograph date: 2014.

N W E S

Scale 1:3,000 (at A3)

0 100 200 m

Figure 56.4
Potential Flood Risk Mitigation Options

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Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig 56.4 Potential Flood Risk Mitigation Options.wor