LIVERPOOL CITY COUNCIL

Harris Creek Flood Study

Draft Report

Volume 2 of 3: Report Figures

Revision 1
April 2024

Catchment Simulation Solutions

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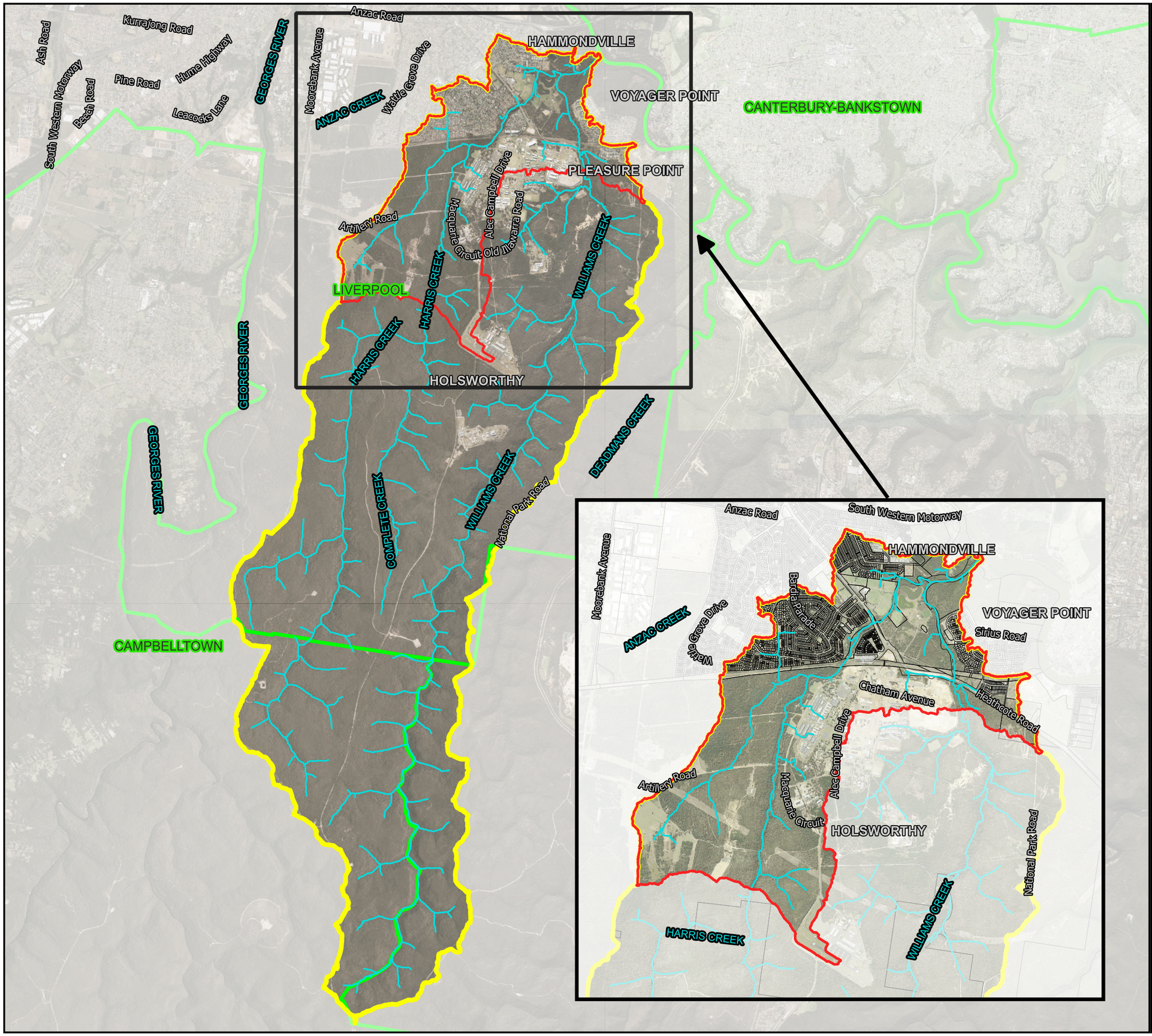
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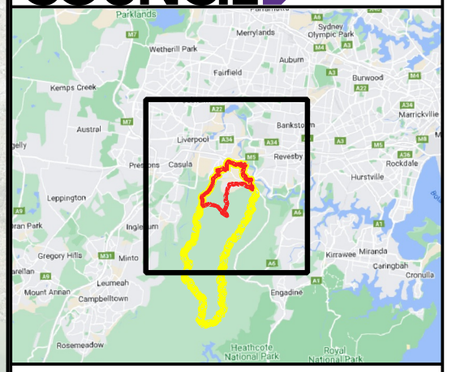
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Legend

- Study Area
- Catchment Area
- Waterways
- LGA Boundary Area

Notes:
Aerial photograph: NSW Six Map

N

Scale: 1:60,000 (at A3)

0 900 1,800 2,700 m

Figure 1:
Catchment Area

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213405 Milperra 2

566069 Bankstown Trotting Club

MOOREBANK

HAMMONDVILLE

WATTLE GROVE

213430 Kelso Creek

566031 Revesby BOowling Club (Formerly Padstow)

566155 Holsworth STP

VOYAGER POINT

PLEASURE POINT

67117 Holsworthy Control Range

66161 Holsworthy Aerodrome AWS

HOLSWORTHY

566108 Menai Police Station

566075 Barden Ridge Dam

566094 Lucas Height Reservoir

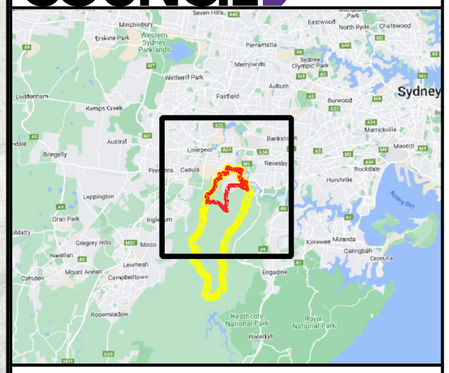
66078 Lucas Heights (ANSTO)

68160 Campbelltown (Kentlyn (Georges River Road)

566093 Engadine Bowling Club

68263 Holsworthy Defence AWS

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Legend

- Study Area
- Catchment Area
- Water Level Gauge

Rainfall Gauges

- Daily
- Sub-Daily

Notes:
Aerial photograph: NSW Six Map

N

Scale: 1:75,000 (at A3)

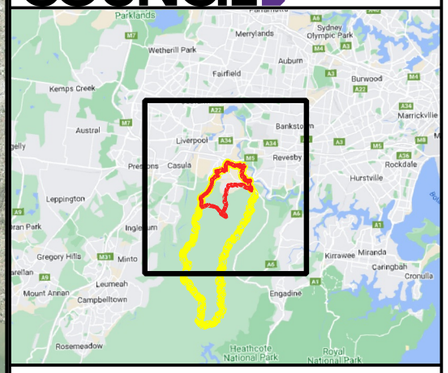
0 1,000 2,000 3,000 m

Figure 2:
Rainfall and Water Level Gauges

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Legend

- Study Area
- Catchment Area
- Heathcote Road Upgrade TUFLOW Model Extent
- Heathcote Road Upgrade Plan Extent

DEM Extent

- 2013
- 2019
- 2020
- 2005

Notes:
Aerial photograph: NSW Six Map

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Scale: 1:60,000 (at A3)

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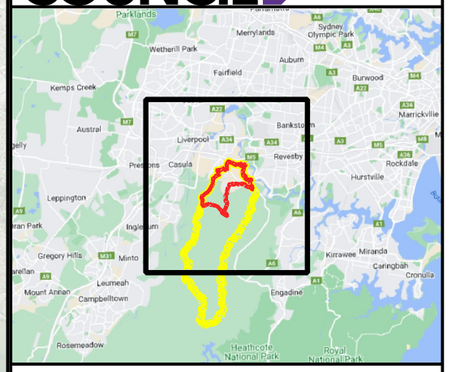
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Existing Dataset

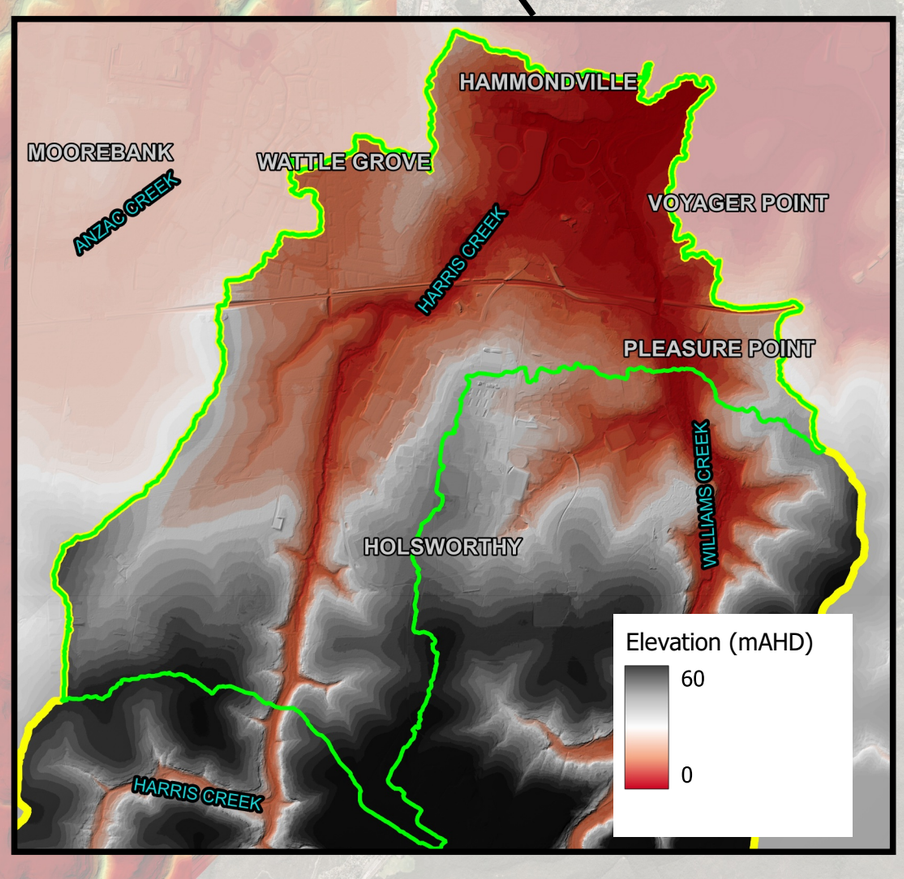
Prepared by:

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Legend

- Study Area
- Catchment Area

Digital Elevation Model (mAHD)

120

0

Notes:
Aerial photograph: NSW Six Map

N

Scale: 1:60,000 (at A3)

0 900 1,800 2,700 m

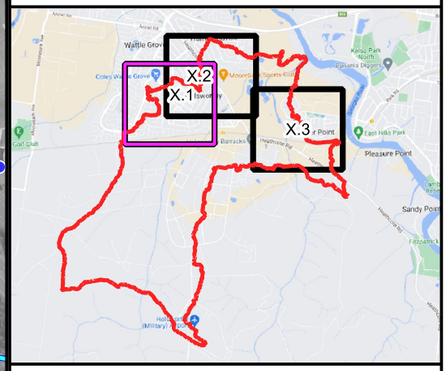
Figure 4:
Digital Elevation Model

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LEGEND

- Study Area
- Catchment Area

Stormwater Dataset

- Pits
- Pipes

Notes:
Aerial photograph: NSW Six Map

N

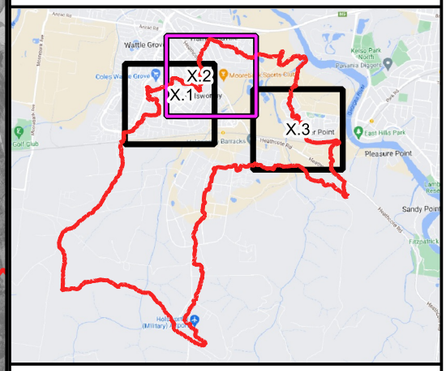
Scale: 1:5,000 (at A3)
0 80 160 240 m

Figure 5.1:
Existing Stormwater Dataset

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LEGEND

- Study Area
- Catchment Area

Stormwater Dataset

- Pits
- Pipes

Notes:
Aerial photograph: NSW Six Map

N

Scale: 1:5,000 (at A3)

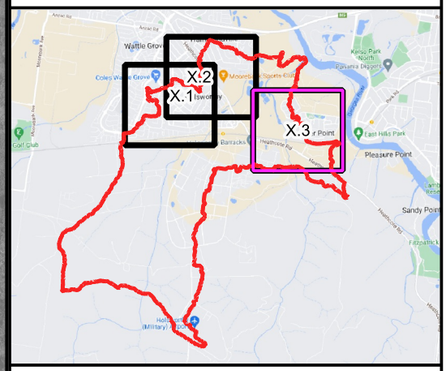
0 80 160 240 m

Figure 5.2:
Existing Stormwater Dataset

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LEGEND

- Study Area
- Catchment Area

Stormwater Dataset

- Pits
- Pipes

Notes:
Aerial photograph: NSW Six Map

N

Scale: 1:5,000 (at A3)

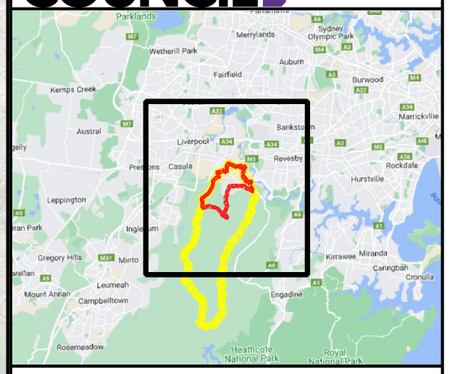
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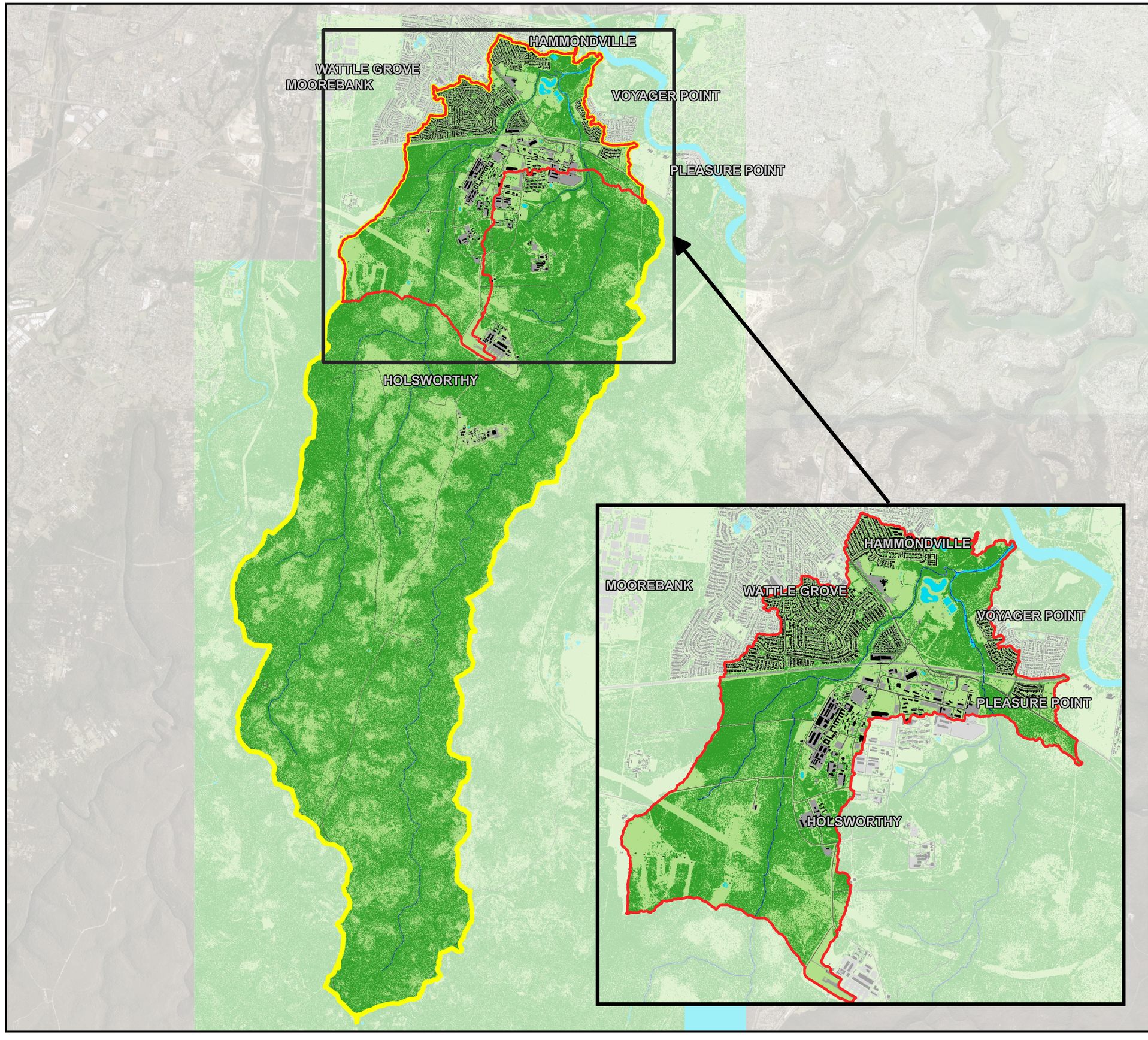
Figure 5.3:
Existing Stormwater Dataset

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Legend

- Study Area
- Catchment Area

Land Use

- Buildings
- Grass
- Road
- Trees
- Waterbodies
- Watercourses
- Concrete

Notes:
Aerial photograph: NSW Six Map

N

Scale: 1:60,000 (at A3)

0 900 1,800 2,700 m

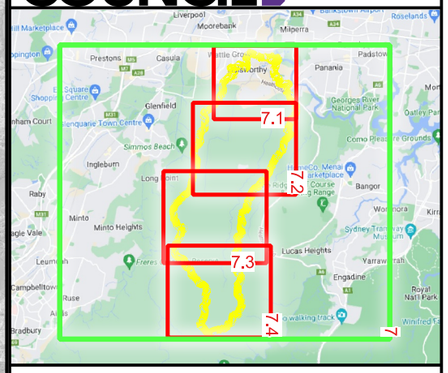
Figure 6:
Land Use Map

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Legend

- Study Area
- Catchment Area
- Nodal Links
- Subcatchment Area

Notes:
Aerial photograph: NSW Six Map

N

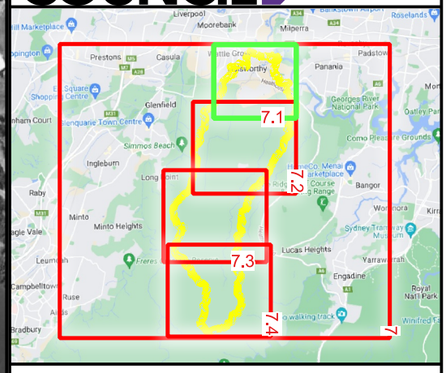
Scale: 1:60,000 (at A3)
0 900 1,800 2,700 m

Figure 7 :
XP-RAFTS model layout

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Legend

- Nodal Links
- ID Subcatchment Area

Notes:
Aerial photograph: NSW Six Map

N

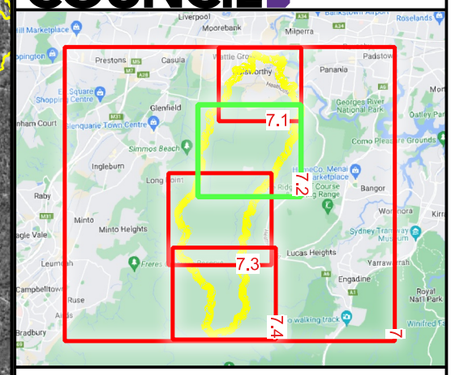
Scale: 1:15,000 (at A3)
0 200 400 600 m

Figure 7.1 :
XP-RAFTS model layout

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Legend

- Nodal Links
- Subcatchment Area

Notes:
Aerial photograph: NSW Six Map

N

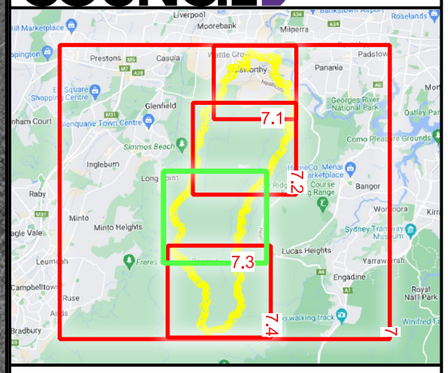
Scale: 1:19,000 (at A3)
0 300 600 900 m

Figure 7.2 :
XP-RAFTS model layout

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Legend

- Nodal Links
- Subcatchment Area

Notes:
Aerial photograph: NSW Six Map

N

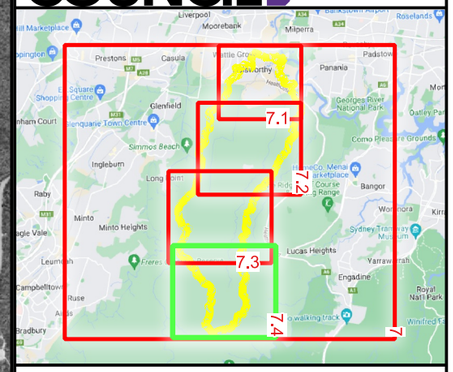
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Figure 7.3 :
XP-RAFTS model layout

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Sydney, NSW, 2000

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Legend

- Nodal Links
- ID Subcatchment Area

Notes:
Aerial photograph: NSW Six Map

N

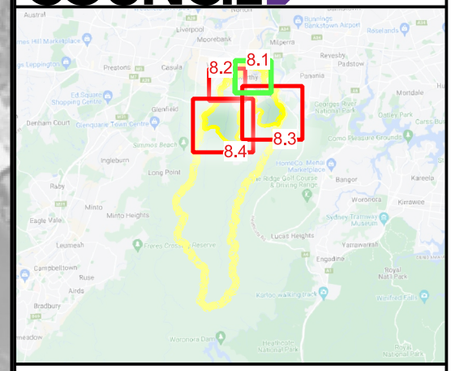
Scale: 1:19,000 (at A3)
0 300 600 900 m

Figure 7.4 :
XP-RAFTS model layout

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Legend

- TUFLOW Model Extent
- Bridge Structures
- Stormwater Pits
- Stormwater Pipes
- Culvert
- Creek Elevation Enforcement (Not surveyed)
- Creek Survey Extent

Downstream Boundary

- Stage Flow Boundary
- Stage Time Boundary

Inflow Location

- Local

Notes:
Aerial photograph: NSW Six Map

N

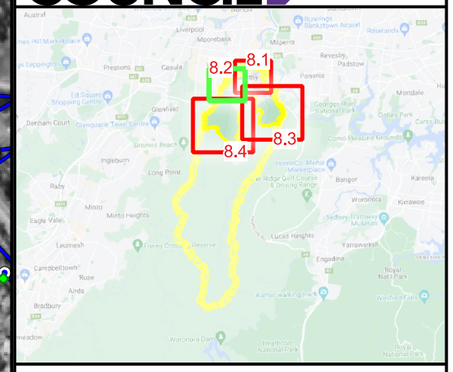
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 8.1:
TUFLOW model layout

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LIVERPOOL CITY COUNCIL



Legend

- TUFLOW Model Extent
- Bridge Structures
- Stormwater Pits
- Stormwater Pipes
- Culvert
- Creek Elevation Enforcement (Not surveyed)
- Creek Survey Extent

Downstream Boundary

- Stage Flow Boundary

Inflow Location

- Local

Notes:
Aerial photograph: NSW Six Map

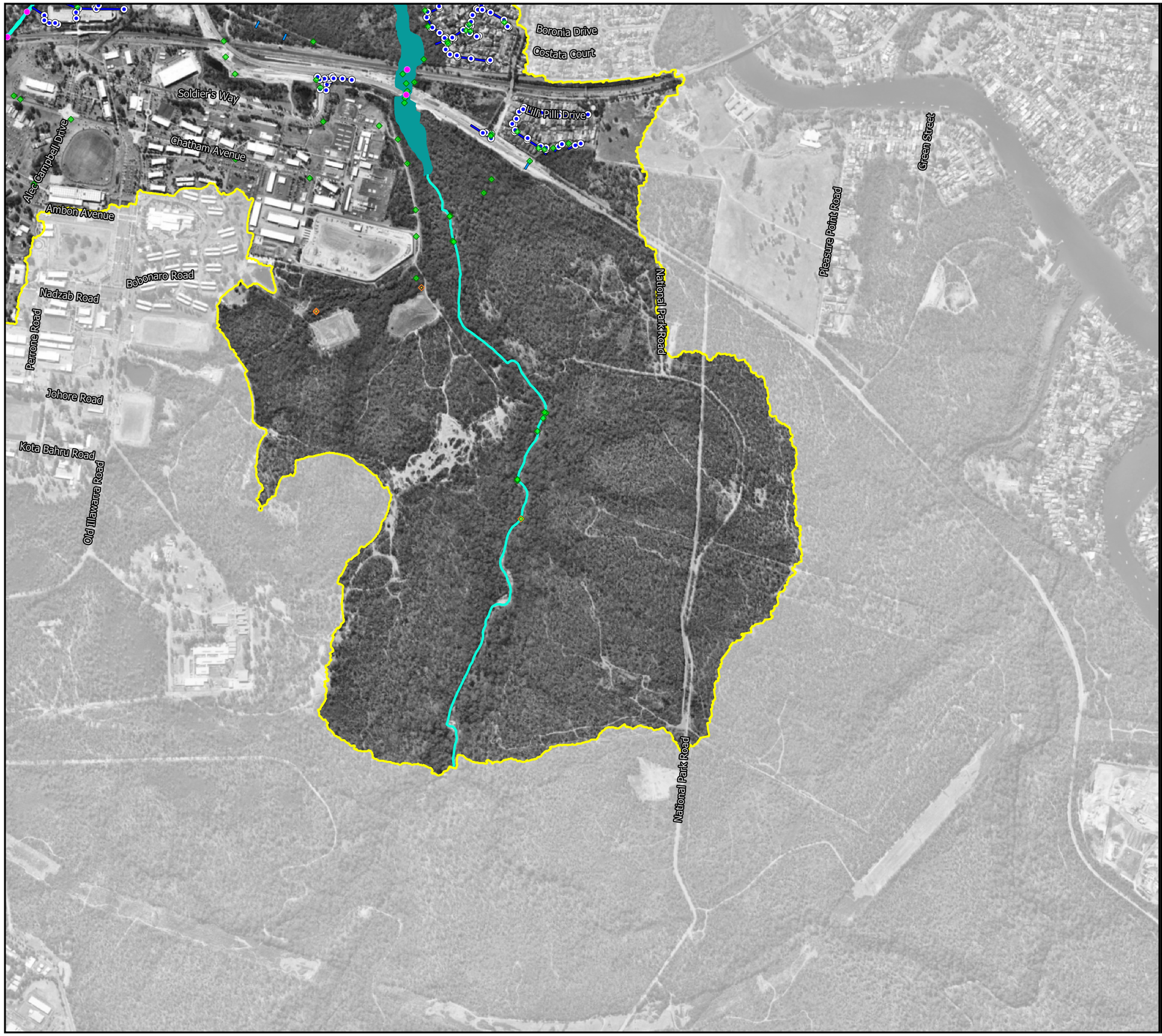
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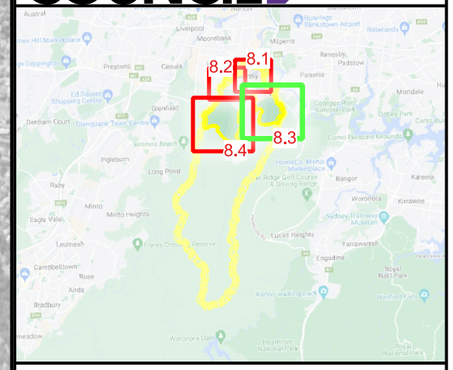
Figure 8.2:
TUFLOW model layout

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Legend

- TUFLOW Model Extent
- Bridge Structures
- Stormwater Pits
- Stormwater Pipes
- Culvert
- Creek Elevation Enforcement (Not surveyed)
- Creek Survey Extent

Inflow Location

- Local
- Total

Notes:
Aerial photograph: NSW Six Map

N

Scale: 1:13,000 (at A3)
0 200 400 600 m

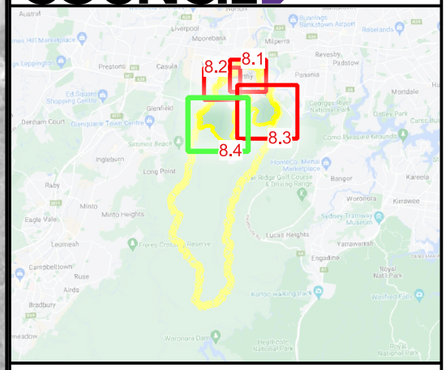
Figure 8.3:
TUFLOW model layout

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Legend

- TUFLOW Model Extent
- Creek Elevation Enforcement (Not surveyed)

Inflow Location

- Local
- Total

Notes:
Aerial photograph: NSW Six Map

N

Scale: 1:13,000 (at A3)

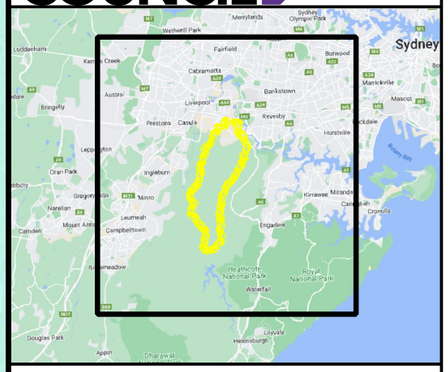
0 200 400 600 m

Figure 8.4:
TUFLOW model layout

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Legend

- Catchment Area
- Rainfall Isohyet (mm)
- Gauge ID / Total rainfall (mm) — Active Gauges

Rainfall

450

220

Notes:
Aerial photograph: NSW Six Map

N

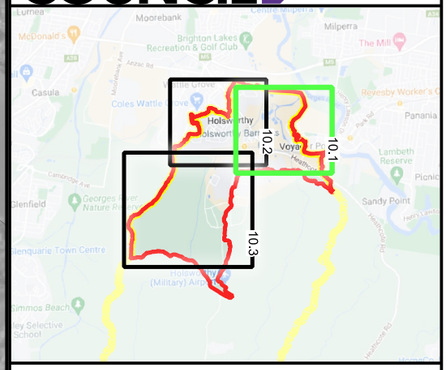
Scale: 1:75,000 (at A3)
0 1,000 2,000 3,000 m

Figure 9:
Rainfall Isohyet Map for June 2016 Event

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LIVERPOOL CITY COUNCIL



Legend

- Catchment Area
- Study Area

Depth (m)

- 0.00 - 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

N

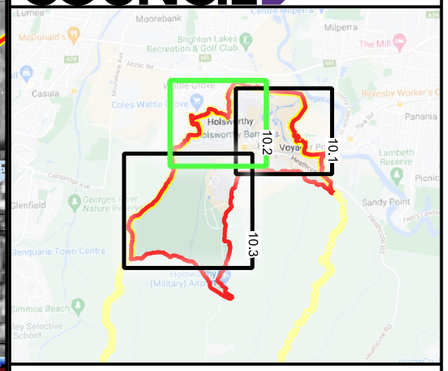
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 10.1:
Floodwater depth for June 2016 Event

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LIVERPOOL CITY COUNCIL



Legend

- Catchment Area
- Study Area

Depth (m)

- 0.00 - 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

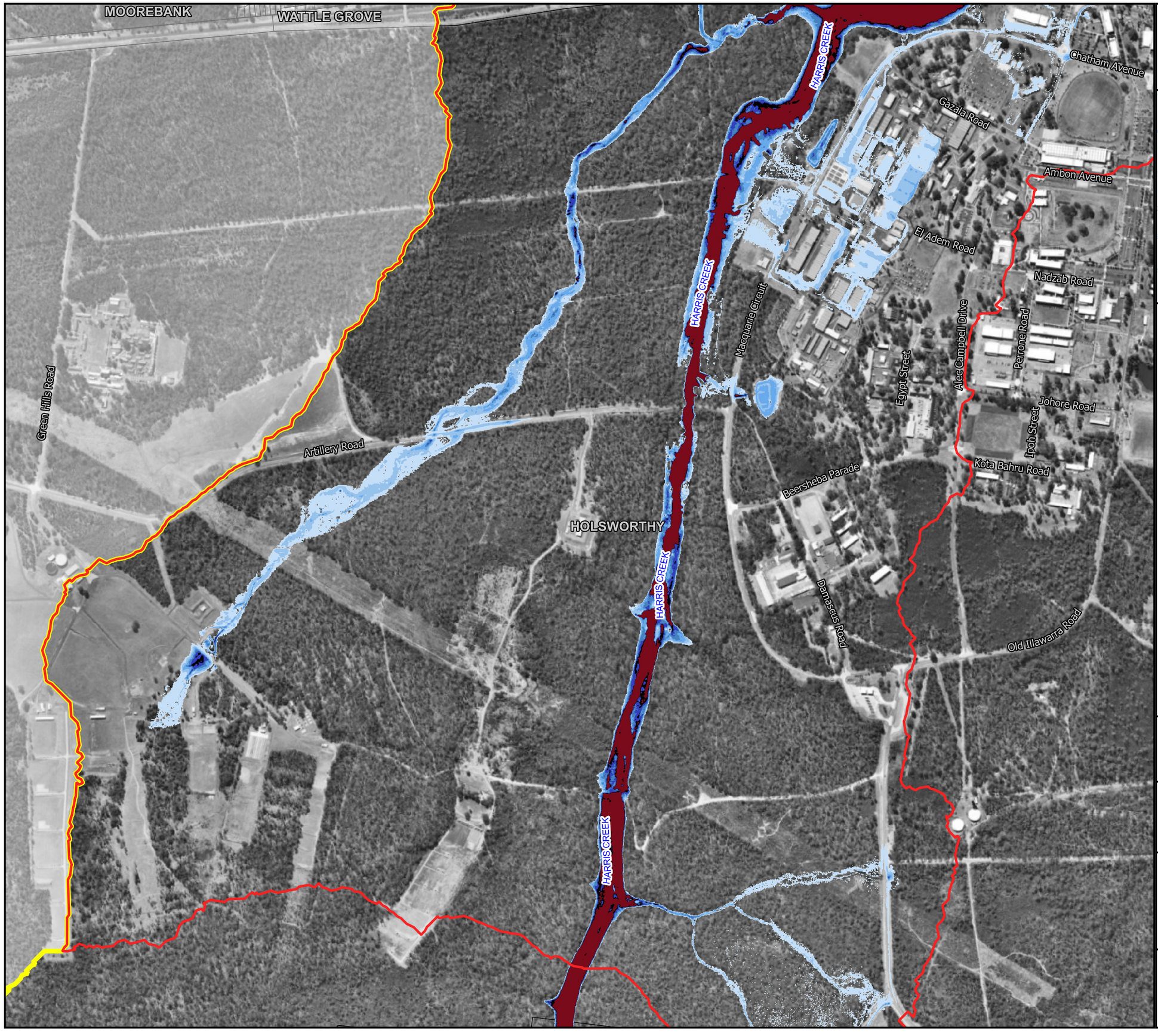
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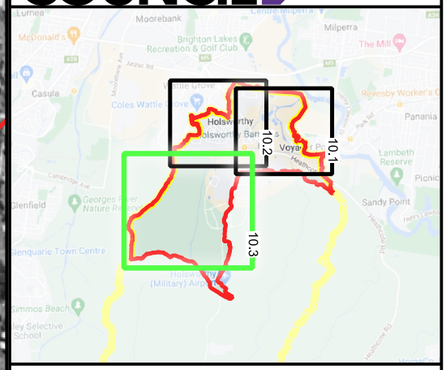
Figure 10.2:
Floodwater depth for June 2016 Event

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Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure.qgz



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Legend

- Catchment Area
- Study Area

Depth (m)

- 0.00 - 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

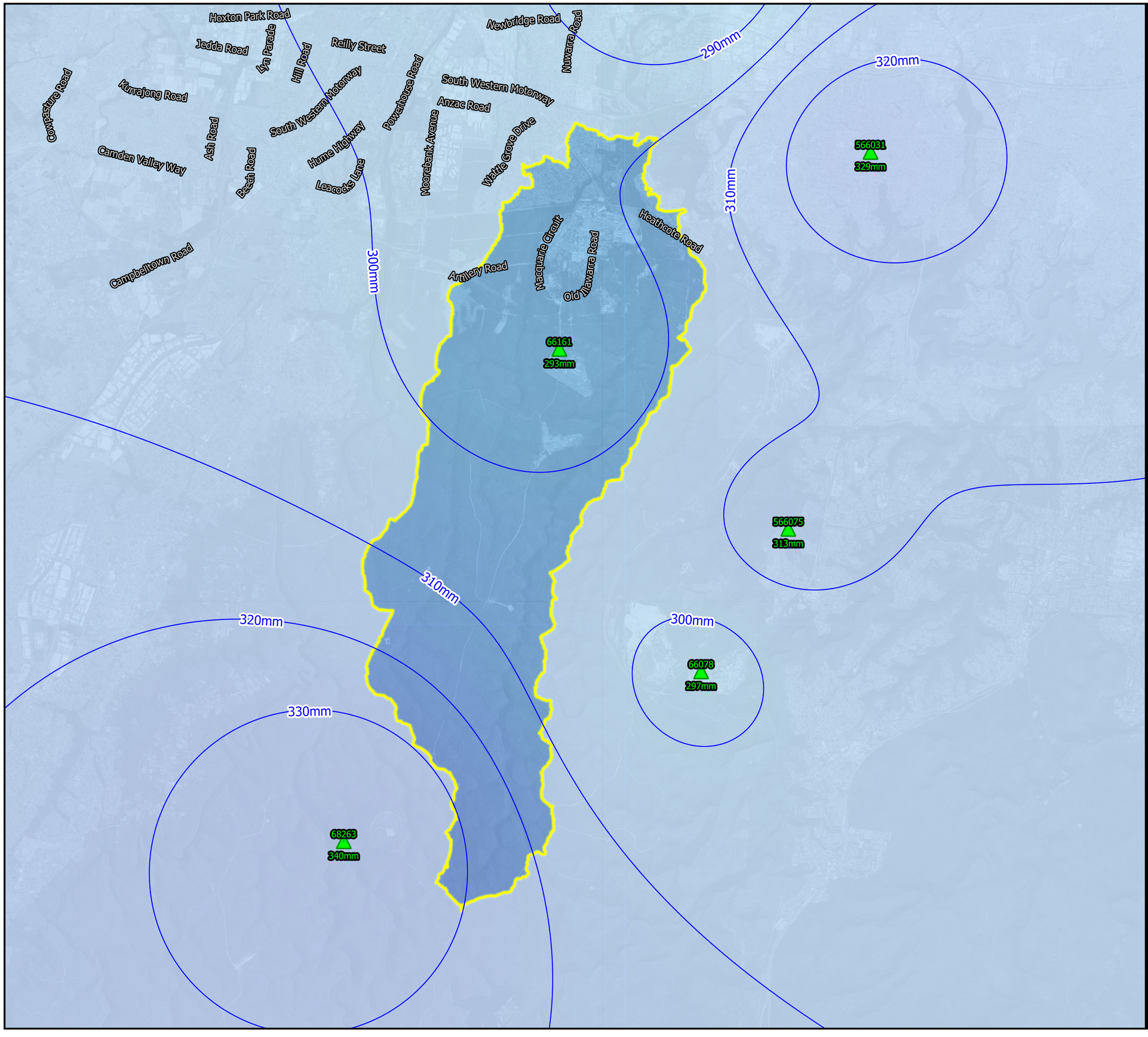
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0 100 200 300 m

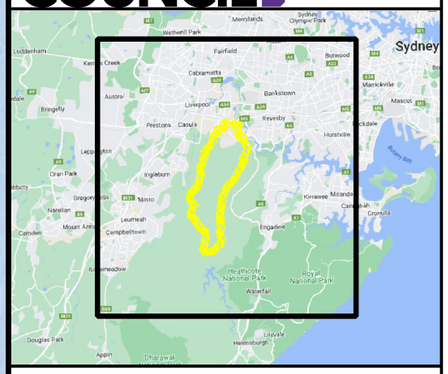
Figure 10.3:
Floodwater depth for June 2016 Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure.qgz



LIVERPOOL CITY COUNCIL



Legend

- Catchment Area
- Rainfall Isohyet (mm)
- Gauge ID / Total rainfall (mm) — Active Gauges

Rainfall

450

220

Notes:
Aerial photograph: NSW Six Map

N

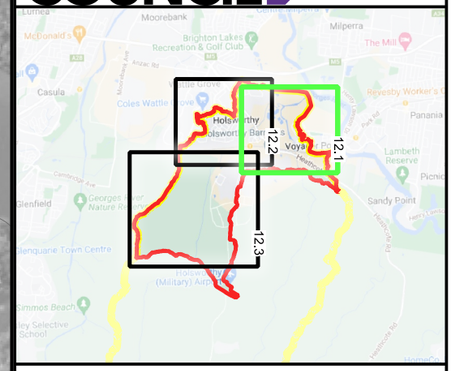
Scale: 1:75,000 (at A3)
0 1,000 2,000 3,000 m

Figure 11:
Rainfall Isohyet Map for February 2020 Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure.qgz

LIVERPOOL CITY COUNCIL



Legend

- Catchment Area
- Study Area

Depth (m)

- 0.00 - 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

N

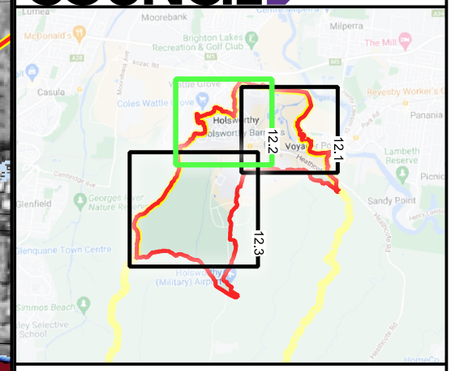
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 12.1:
Floodwater depth for February 2020 Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure.qgz

LIVERPOOL CITY COUNCIL



Legend

- Catchment Area
- Study Area

Depth (m)

- 0.00 - 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

N

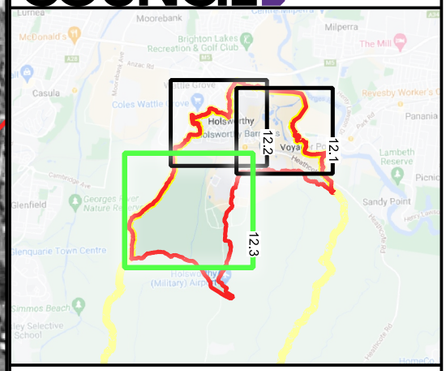
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 12.2:
Floodwater depth for February 2020 Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure.qgz

LIVERPOOL CITY COUNCIL



Legend

- Catchment Area
- Study Area

Depth (m)

- 0.00 - 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

N

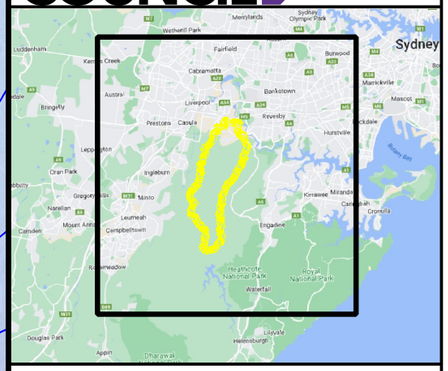
Scale: 1:10,000 (at A3)
0 100 200 300 m

Figure 12.3:
Floodwater depth for February 2020 Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure.qgz

LIVERPOOL CITY COUNCIL



Legend

- Catchment Area
- Rainfall Isohyet (mm)
- Gauge ID / Total rainfall (mm) — Active Gauges

Rainfall

450

220

Notes:
Aerial photograph: NSW Six Map

N

Scale: 1:75,000 (at A3)

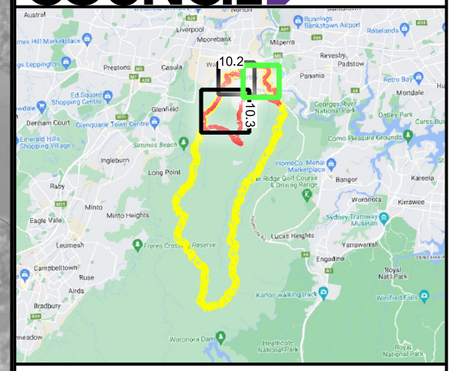
0 1,000 2,000 3,000 m

Figure 13:
Rainfall Isohyet Map for July 2022 Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure.qgz

LIVERPOOL CITY COUNCIL



Legend

- Catchment Area
- Study Area

Depth (m)

- 0.00 - 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

N

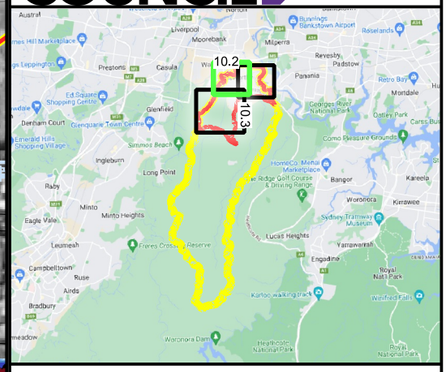
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 14.1:
Floodwater depth for July 2022 Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure.qgz

LIVERPOOL CITY COUNCIL



Legend

- Catchment Area
- Study Area

Depth (m)

- 0.00 - 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

N

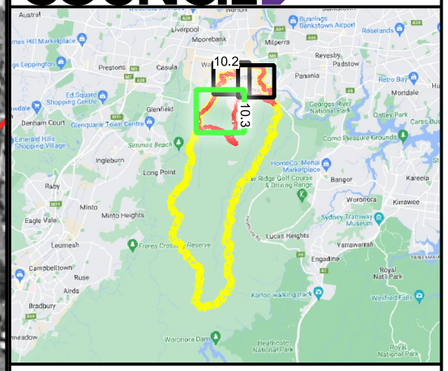
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 14.2:
Floodwater depth for July 2022 Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure.qgz

LIVERPOOL CITY COUNCIL



MOOREBANK
WATTLE GROVE
HOLSWORTHY
HARRIS CREEK
Chatham Avenue
Gazala Road
Ambon Avenue
El Adem Road
Nadzab Road
Macquarie Circuit
Egypt Street
Alec Campbell Drive
Perrone Road
Johore Road
Ipoh Street
Kota Bahru Road
Beersheba Parade
Damascus Road
Old Illawarra Road
Green Hills Road
Artillery Road

Legend

- Catchment Area
- Study Area

Depth (m)

- 0.00 - 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

N

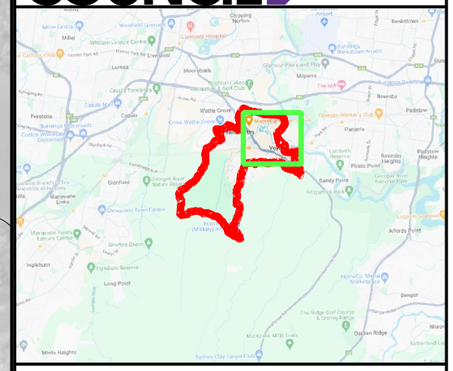
Scale: 1:10,000 (at A3)
0 100 200 300 m

Figure 14.3:
Floodwater depth for July 2022 Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure.qgz

LIVERPOOL CITY COUNCIL



Legend

- Study Area
- Flood level contours (0.5m interval)

Depth (m)

- 0.05 - 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

N

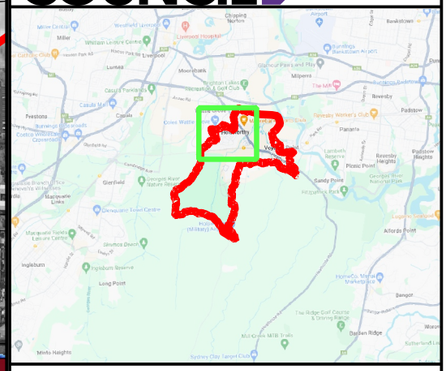
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 15.1:
Floodwater Depths and Levels for the Yr1989 20YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

- Study Area
- Flood level contours (0.5m interval)

Depth (m)

- 0.05 - 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

N

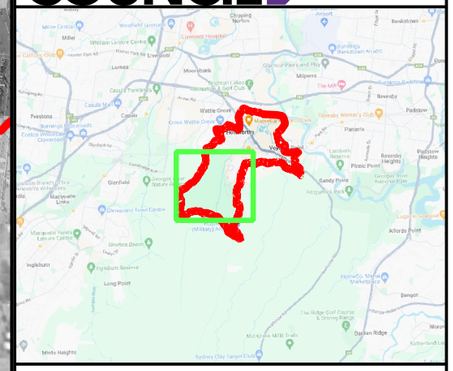
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 15.2:
Floodwater Depths and Levels for the Yr1989 20YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

- Study Area
- Flood level contours (0.5m interval)

Depth (m)

- 0.05 - 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

N

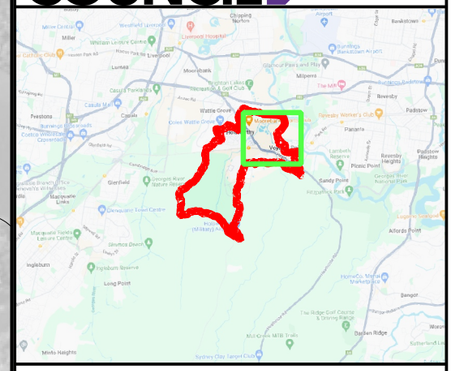
Scale: 1:10,000 (at A3)
0 100 200 300 m

Figure 15.3:
Floodwater Depths and Levels for the Yr1989 20YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

- Study Area
- Flood level contours (0.5m interval)

Depth (m)

- 0.05 - 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

N

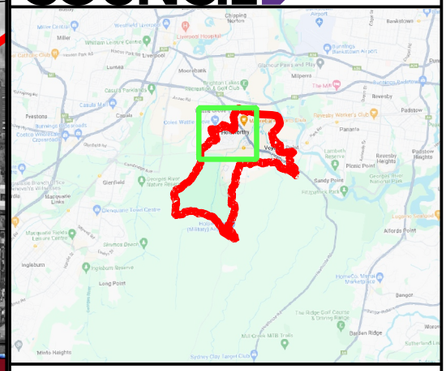
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 16.1:
Floodwater Depths and Levels for the Yr1989 100YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

- Study Area
- Flood level contours (0.5m interval)

Depth (m)

- 0.05 - 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

N

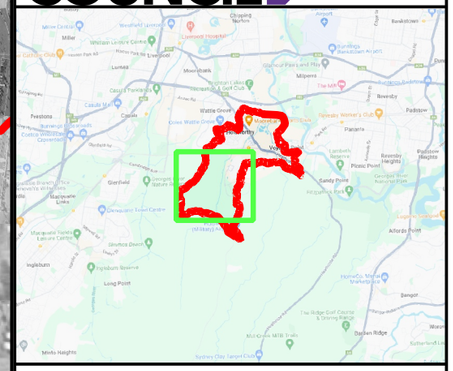
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 16.2:
Floodwater Depths and Levels for the Yr1989 100YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

- Study Area
- Flood level contours (0.5m interval)

Depth (m)

- 0.05 - 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
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Notes:
Aerial photograph: NSW Six Map

N

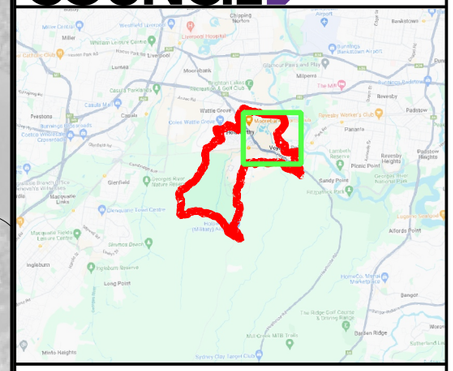
Scale: 1:10,000 (at A3)
0 100 200 300 m

Figure 16.3:
Floodwater Depths and Levels for the Yr1989 100YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

- Study Area
- Flood level contours (0.5m interval)

Depth (m)

- 0.05 - 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

N

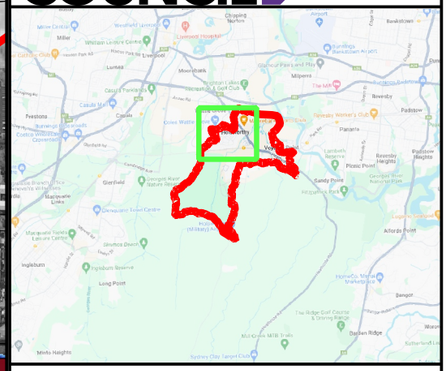
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 17.1:
Floodwater Depths and Levels for the Yr2020 20YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

- Study Area
- Flood level contours (0.5m interval)

Depth (m)

- 0.05 - 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

N

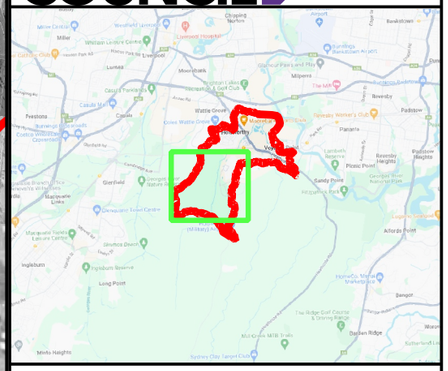
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 17.2:
Floodwater Depths and Levels for the Yr2020 20YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

- Study Area
- Flood level contours (0.5m interval)

Depth (m)

- 0.05 - 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

N

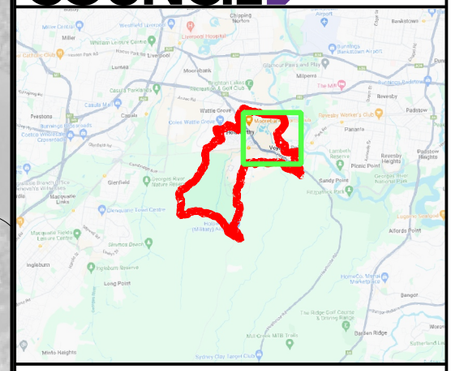
Scale: 1:10,000 (at A3)
0 100 200 300 m

Figure 17.3:
Floodwater Depths and Levels for the Yr2020 20YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

- Study Area
- Flood level contours (0.5m interval)

Depth (m)

- 0.05 - 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

N

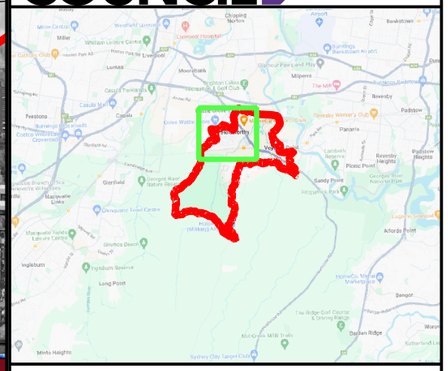
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 18.1:
Floodwater Depths and Levels for the Yr2020 100YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

- Study Area
- Flood level contours (0.5m interval)

Depth (m)

- 0.05 - 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

N

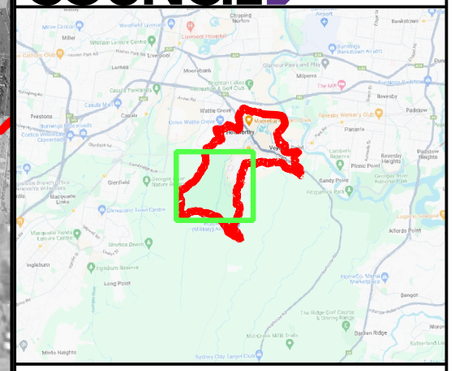
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 18.2:
Floodwater Depths and Levels for the Yr2020 100YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

- Study Area
- Flood level contours (0.5m interval)

Depth (m)

- 0.05 - 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

N

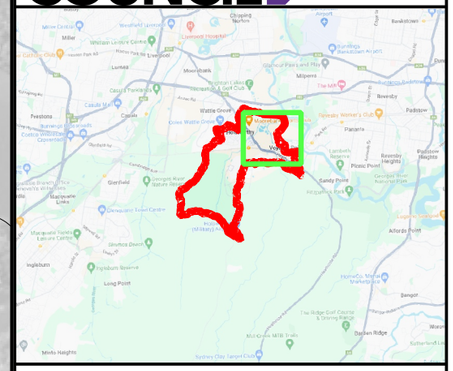
Scale: 1:10,000 (at A3)
0 100 200 300 m

Figure 18.3:
Floodwater Depths and Levels for the Yr2020 100YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

- Study Area
- Flood level contours (0.5m interval)

Depth (m)

- 0.05 - 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

N

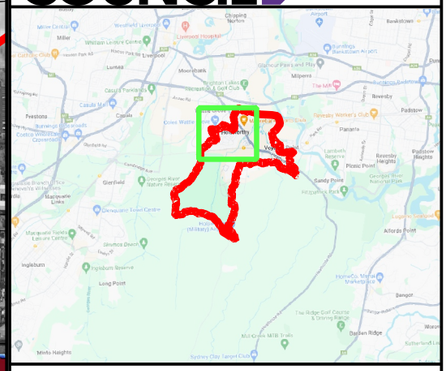
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 19.1:
Floodwater Depths and Levels for the Yr2020 200YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

- Study Area
- Flood level contours (0.5m interval)

Depth (m)

- 0.05 - 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

N

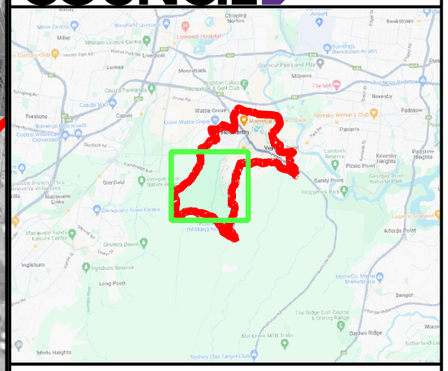
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 19.2:
Floodwater Depths and Levels for the Yr2020 200YR ARI Event

Prepared by:
Catchment Simulation Solutions
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LIVERPOOL CITY COUNCIL



Legend

- Study Area
- Flood level contours (0.5m interval)

Depth (m)

- 0.05 - 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

N

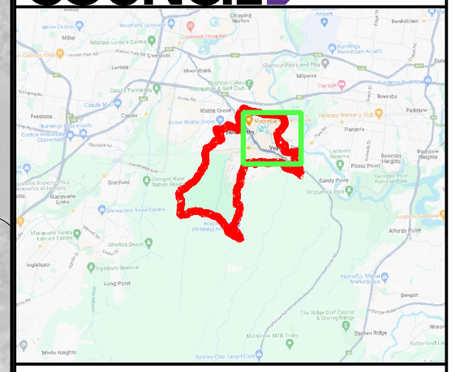
Scale: 1:10,000 (at A3)
0 100 200 300 m

Figure 19.3:
Floodwater Depths and Levels for the Yr2020 200YR ARI Event

Prepared by:
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Suite 1, Level 10, 70 Phillip St
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LIVERPOOL CITY COUNCIL



Legend

- Study Area
- Flood level contours (0.5m interval)

Depth (m)

- 0.05 - 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

N

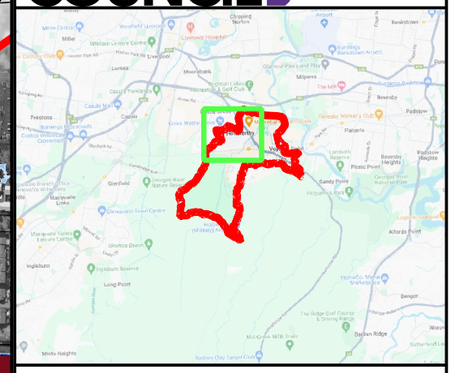
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 20.1:
Floodwater Depths and Levels for the Yr2020 PMF

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

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Legend

- Study Area
- Flood level contours (0.5m interval)

Depth (m)

- 0.05 - 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

N

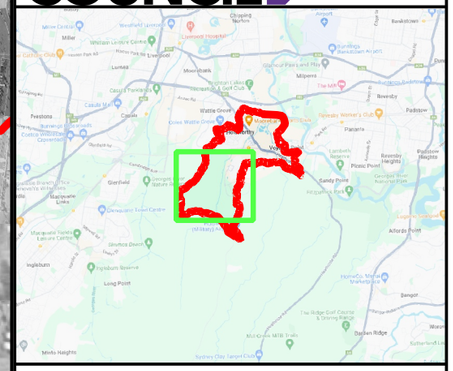
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 20.2:
Floodwater Depths and Levels for the Yr2020 PMF

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

- Study Area
- Flood level contours (0.5m interval)

Depth (m)

- 0.05 - 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

N

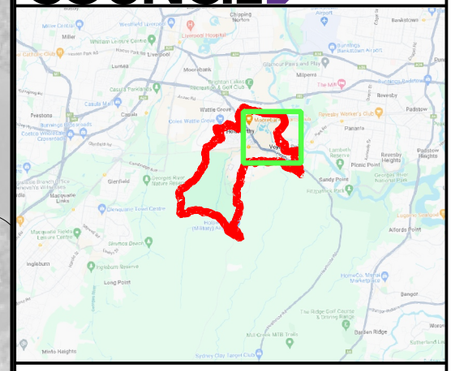
Scale: 1:10,000 (at A3)
0 100 200 300 m

Figure 20.3:
Floodwater Depths and Levels for the Yr2020 PMF

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

- Study Area

Velocity (m/s)

- <= 0.25
- 0.25 - 0.50
- 0.50 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- > 2.00

Notes:
Aerial photograph: NSW Six Map

N

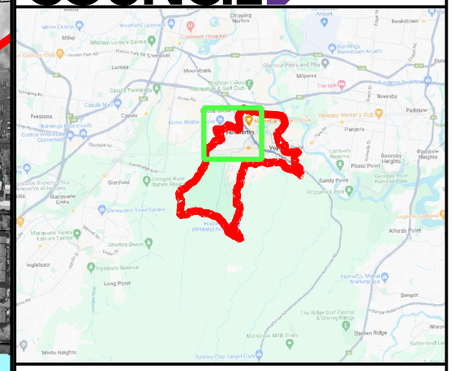
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 21.1:
Floodwater Velocity for the Yr2020 20YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

- Study Area

Velocity (m/s)

- <= 0.25
- 0.25 - 0.50
- 0.50 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- > 2.00

Notes:
Aerial photograph: NSW Six Map

N

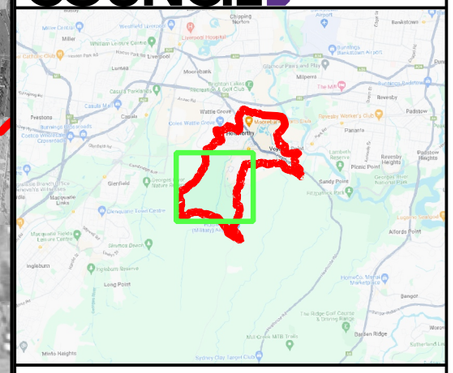
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 21.2:
Floodwater Velocity for the Yr2020 20YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

Study Area

Velocity (m/s)

- <= 0.25
- 0.25 - 0.50
- 0.50 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- > 2.00

Notes:
Aerial photograph: NSW Six Map

N

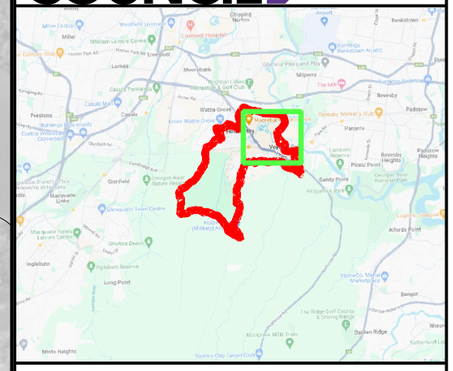
Scale: 1:10,000 (at A3)
0 100 200 300 m

Figure 21.3:
Floodwater Velocity for the Yr2020 20YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

- Study Area

Velocity (m/s)

- <= 0.25
- 0.25 - 0.50
- 0.50 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- > 2.00

Notes:
Aerial photograph: NSW Six Map

N

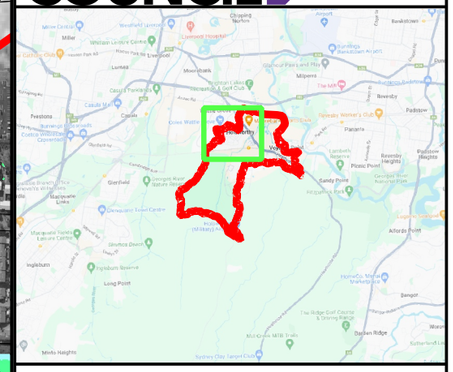
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 22.1:
Floodwater Velocity for the Yr2020 100YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

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Legend

Study Area

Velocity (m/s)

- <= 0.25
- 0.25 - 0.50
- 0.50 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- > 2.00

Notes:
Aerial photograph: NSW Six Map

N

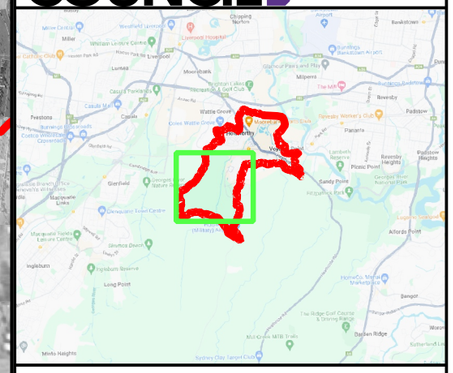
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 22.2:
Floodwater Velocity for the Yr2020 100YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

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Legend

Study Area

Velocity (m/s)

- <= 0.25
- 0.25 - 0.50
- 0.50 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- > 2.00

Notes:
Aerial photograph: NSW Six Map

N

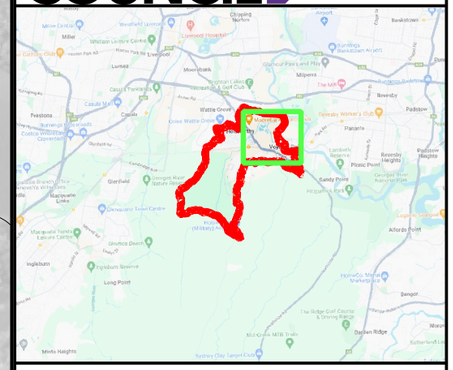
Scale: 1:10,000 (at A3)
0 100 200 300 m

Figure 22.3:
Floodwater Velocity for the Yr2020 100YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

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Legend

- Study Area

Velocity (m/s)

- <= 0.25
- 0.25 - 0.50
- 0.50 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- > 2.00

Notes:
Aerial photograph: NSW Six Map

N

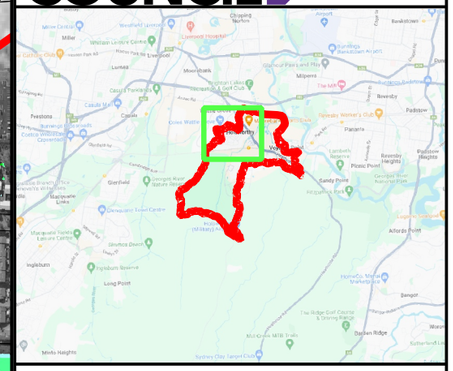
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 23.1:
Floodwater Velocity for the Yr2020 200YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

- Study Area

Velocity (m/s)

- <= 0.25
- 0.25 - 0.50
- 0.50 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- > 2.00

Notes:
Aerial photograph: NSW Six Map

N

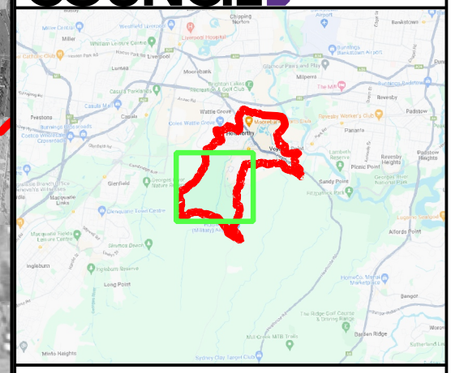
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 23.2:
Floodwater Velocity for the Yr2020 200YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

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Legend

Study Area

Velocity (m/s)

- <= 0.25
- 0.25 - 0.50
- 0.50 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- > 2.00

Notes:
Aerial photograph: NSW Six Map

N

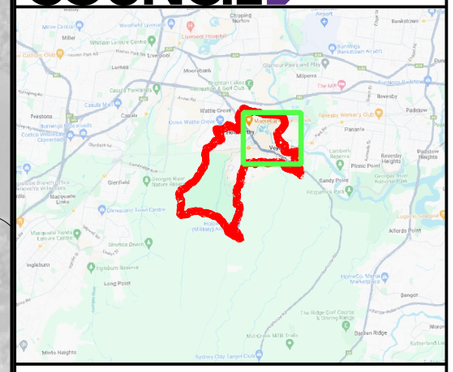
Scale: 1:10,000 (at A3)
0 100 200 300 m

Figure 23.3:
Floodwater Velocity for the Yr2020 200YR ARI Event

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Suite 1, Level 10, 70 Phillip St
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LIVERPOOL CITY COUNCIL



Legend

- Study Area

Velocity (m/s)

- <= 0.25
- 0.25 - 0.50
- 0.50 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- > 2.00

Notes:
Aerial photograph: NSW Six Map

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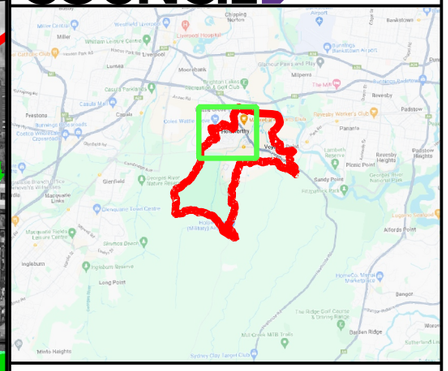
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 24.1:
Floodwater Velocity for the Yr2020 PMF

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

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Legend

- Study Area

Velocity (m/s)

- <= 0.25
- 0.25 - 0.50
- 0.50 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- > 2.00

Notes:
Aerial photograph: NSW Six Map

N

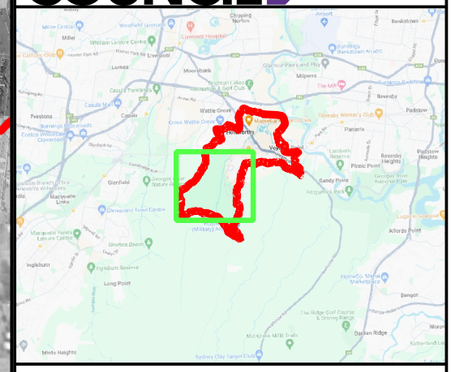
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 24.2:
Floodwater Velocity for the Yr2020 PMF

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

- Study Area

Velocity (m/s)

- <= 0.25
- 0.25 - 0.50
- 0.50 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- > 2.00

Notes:
Aerial photograph: NSW Six Map

N

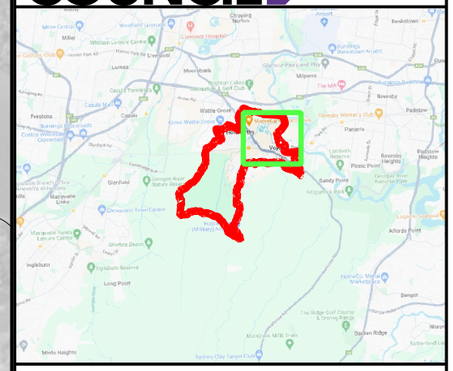
Scale: 1:10,000 (at A3)
0 100 200 300 m

Figure 24.3:
Floodwater Velocity for the Yr2020 PMF

Prepared by:
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File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

- Study Area
- Flood level contours (0.5m interval)

Depth (m)

- 0.05 - 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

N

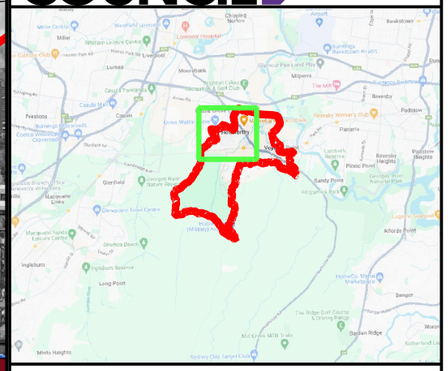
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 25.1:
Floodwater Depths and Levels for the Yr2025 20YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

- Study Area
- Flood level contours (0.5m interval)

Depth (m)

- 0.05 - 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

N

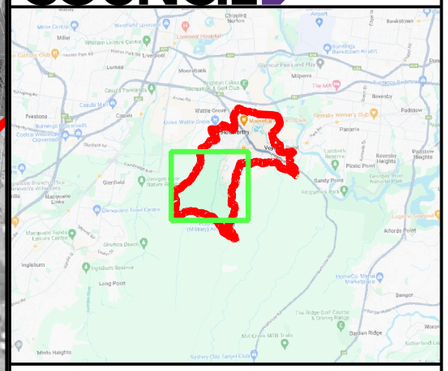
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 25.2:
Floodwater Depths and Levels for the Yr2025 20YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

- Study Area
- Flood level contours (0.5m interval)

Depth (m)

- 0.05 - 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

N

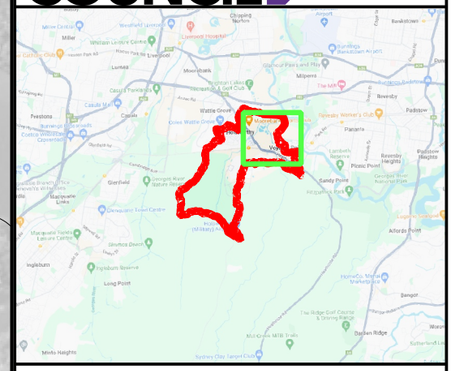
Scale: 1:10,000 (at A3)
0 100 200 300 m

Figure 25.3:
Floodwater Depths and Levels for the Yr2025 20YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

- Study Area
- Flood level contours (0.5m interval)

Depth (m)

- 0.05 - 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

N

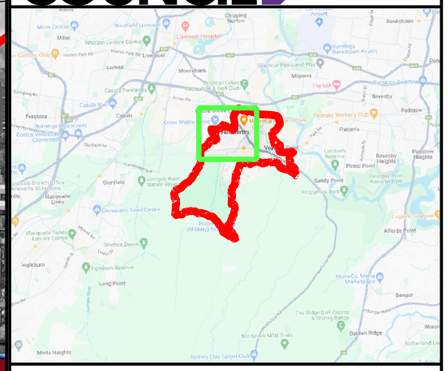
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 26.1:
Floodwater Depths and Levels for the Yr2025 100YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

- Study Area
- Flood level contours (0.5m interval)

Depth (m)

- 0.05 - 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

N

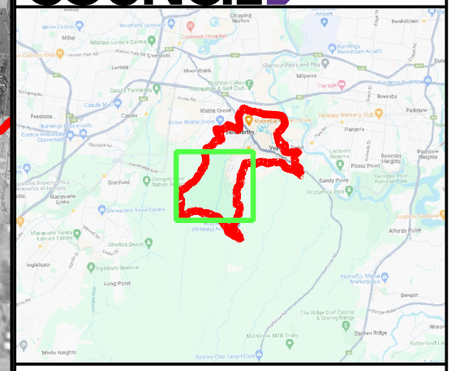
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 26.2:
Floodwater Depths and Levels for the Yr2025 100YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

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LIVERPOOL CITY COUNCIL



Legend

- Study Area
- Flood level contours (0.5m interval)

Depth (m)

- 0.05 - 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

N

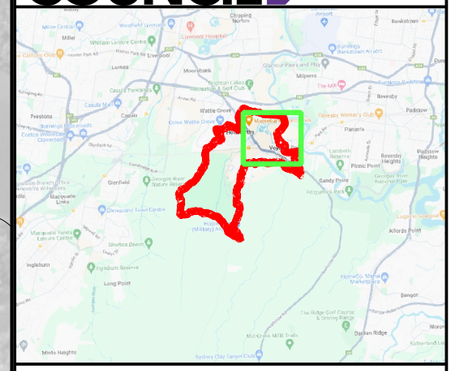
Scale: 1:10,000 (at A3)
0 100 200 300 m

Figure 26.3:
Floodwater Depths and Levels for the Yr2025 100YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

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LIVERPOOL CITY COUNCIL



Legend

- Study Area
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- 0.20 - 0.40
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- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

N

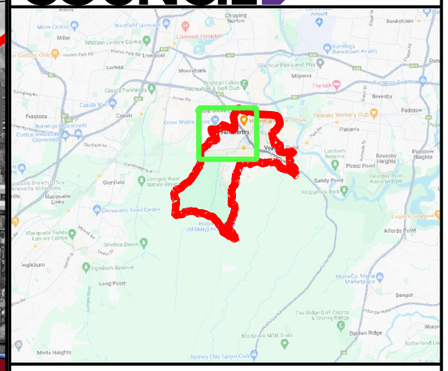
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 27.1:
Floodwater Depths and Levels for the Yr2025 200YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

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LIVERPOOL CITY COUNCIL



Legend

- Study Area
- Flood level contours (0.5m interval)

Depth (m)

- 0.05 - 0.20
- 0.20 - 0.40
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- 1.00 - 1.20
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Notes:
Aerial photograph: NSW Six Map

N

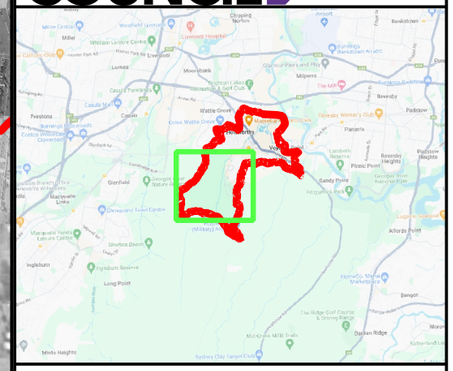
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 27.2:
Floodwater Depths and Levels for the Yr2025 200YR ARI Event

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LIVERPOOL CITY COUNCIL



Legend

- Study Area
- Flood level contours (0.5m interval)

Depth (m)

- 0.05 - 0.20
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- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

N

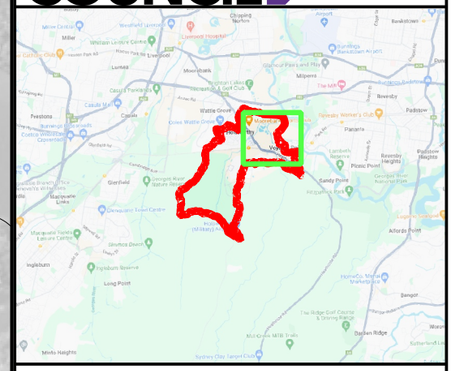
Scale: 1:10,000 (at A3)
0 100 200 300 m

Figure 27.3:
Floodwater Depths and Levels for the Yr2025 200YR ARI Event

Prepared by:
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Suite 1, Level 10, 70 Phillip St
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LIVERPOOL CITY COUNCIL



Legend

- Study Area
- Flood level contours (0.5m interval)

Depth (m)

- 0.05 - 0.20
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- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

N

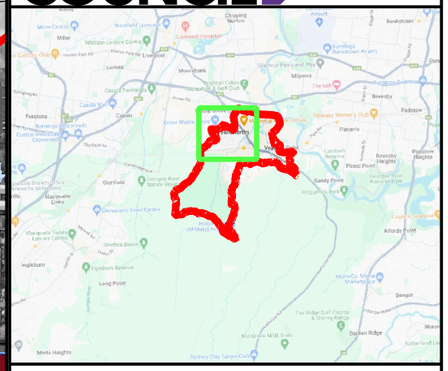
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 28.1:
Floodwater Depths and Levels for the Yr2025 PMF

Prepared by:
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Sydney, NSW, 2000

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Legend

- Study Area
- Flood level contours (0.5m interval)

Depth (m)

- 0.05 - 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

N

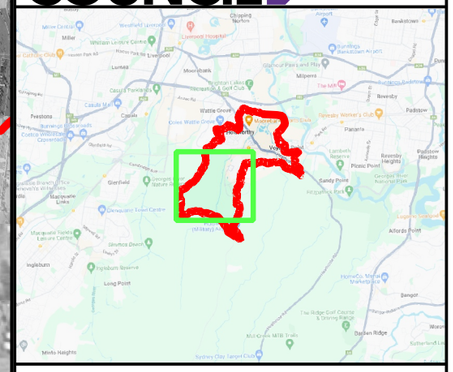
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 28.2:
Floodwater Depths and Levels for the Yr2025 PMF

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

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Legend

- Study Area
- Flood level contours (0.5m interval)

Depth (m)

- 0.05 - 0.20
- 0.20 - 0.40
- 0.40 - 0.60
- 0.60 - 0.80
- 0.80 - 1.00
- 1.00 - 1.20
- > 1.20

Notes:
Aerial photograph: NSW Six Map

N

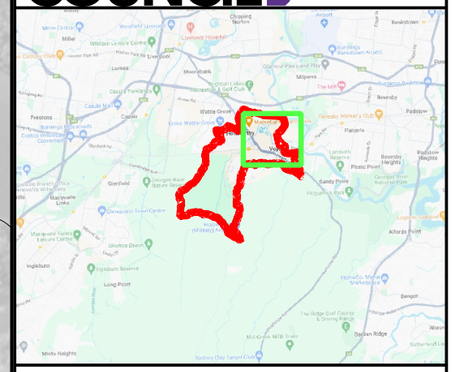
Scale: 1:10,000 (at A3)
0 100 200 300 m

Figure 28.3:
Floodwater Depths and Levels for the Yr2025 PMF

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

Study Area

Velocity (m/s)

- <= 0.25
- 0.25 - 0.50
- 0.50 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- > 2.00

Notes:
Aerial photograph: NSW Six Map

N

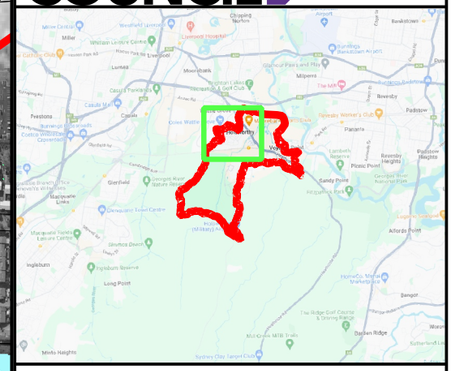
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 29.1:
Floodwater Velocity for the Yr2025 20YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

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Legend

Study Area

Velocity (m/s)

- <= 0.25
- 0.25 - 0.50
- 0.50 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- > 2.00

Notes:
Aerial photograph: NSW Six Map

N

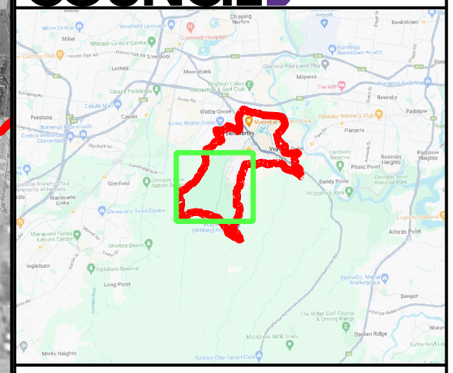
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 29.2:
Floodwater Velocity for the Yr2025 20YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

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Legend

Study Area

Velocity (m/s)

- <= 0.25
- 0.25 - 0.50
- 0.50 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- > 2.00

Notes:
Aerial photograph: NSW Six Map

N

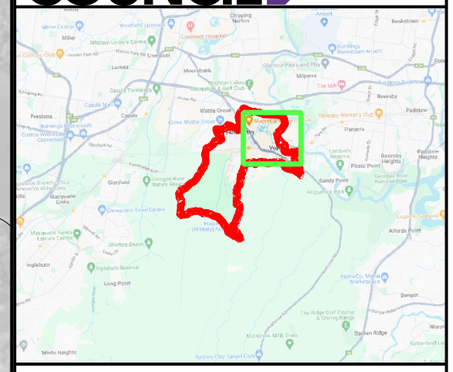
Scale: 1:10,000 (at A3)
0 100 200 300 m

Figure 29.3:
Floodwater Velocity for the Yr2025 20YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

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Legend

- Study Area

Velocity (m/s)

- <= 0.25
- 0.25 - 0.50
- 0.50 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- > 2.00

Notes:
Aerial photograph: NSW Six Map

N

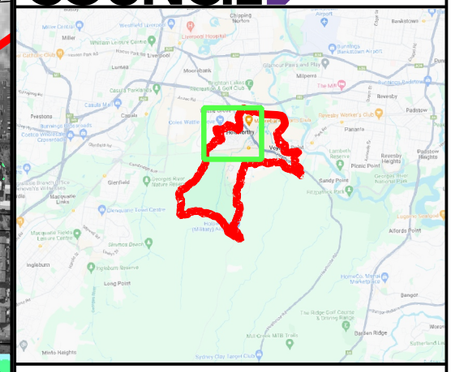
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 30.1:
Floodwater Velocity for the Yr2025 100YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

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Legend

- Study Area

Velocity (m/s)

- <= 0.25
- 0.25 - 0.50
- 0.50 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- > 2.00

Notes:
Aerial photograph: NSW Six Map

N

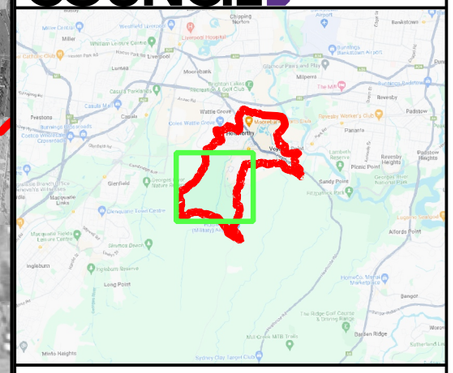
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 30.2:
Floodwater Velocity for the Yr2025 100YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

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Legend

Study Area

Velocity (m/s)

- <= 0.25
- 0.25 - 0.50
- 0.50 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- > 2.00

Notes:
Aerial photograph: NSW Six Map

N

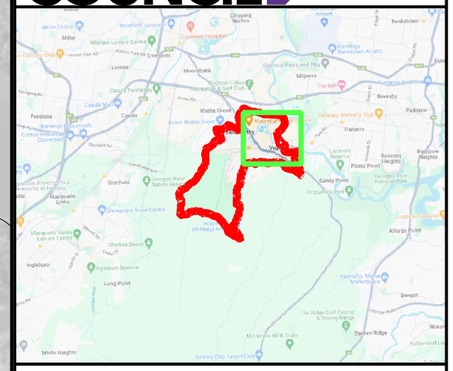
Scale: 1:10,000 (at A3)
0 100 200 300 m

Figure 30.3:
Floodwater Velocity for the Yr2025 100YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
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Legend

- Study Area

Velocity (m/s)

- <= 0.25
- 0.25 - 0.50
- 0.50 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- > 2.00

Notes:
Aerial photograph: NSW Six Map

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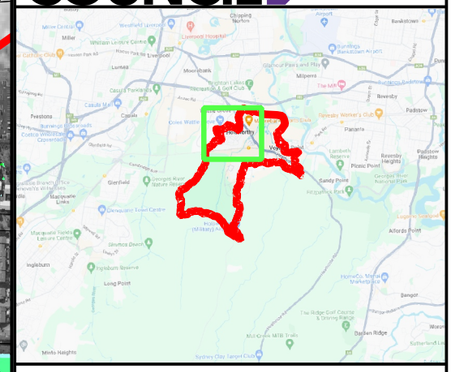
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 31.1:
Floodwater Velocity for the Yr2025 200YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

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Legend

- Study Area

Velocity (m/s)

- <= 0.25
- 0.25 - 0.50
- 0.50 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- > 2.00

Notes:
Aerial photograph: NSW Six Map

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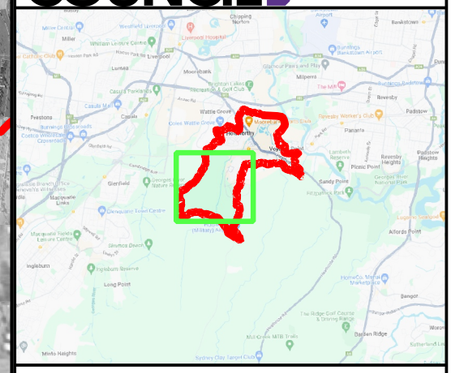
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 31.2:
Floodwater Velocity for the Yr2025 200YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

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Legend

Study Area

Velocity (m/s)

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- 1.50 - 2.00
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Notes:
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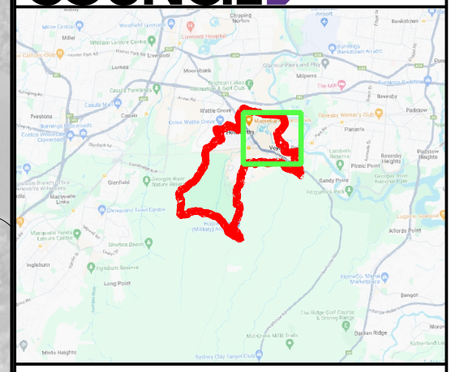
Scale: 1:10,000 (at A3)
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Floodwater Velocity for the Yr2025 200YR ARI Event

Prepared by:
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LIVERPOOL CITY COUNCIL



Legend

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Velocity (m/s)

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- 1.50 - 2.00
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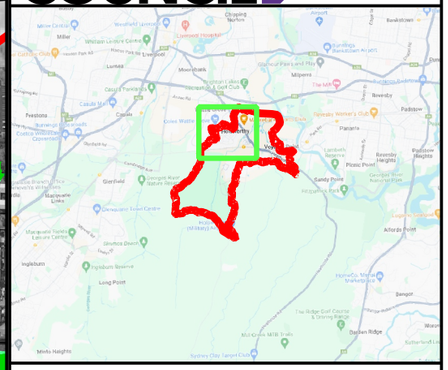
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 32.1:
Floodwater Velocity for the Yr2025 PMF

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

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Legend

- Study Area

Velocity (m/s)

- <= 0.25
- 0.25 - 0.50
- 0.50 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- > 2.00

Notes:
Aerial photograph: NSW Six Map

N

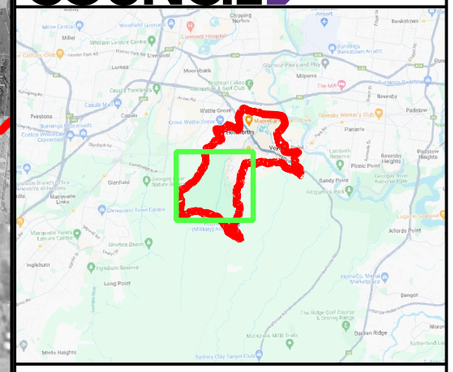
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 32.2:
Floodwater Velocity for the Yr2025 PMF

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
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File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

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Legend

Study Area

Velocity (m/s)

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- 1.00 - 1.50
- 1.50 - 2.00
- > 2.00

Notes:
Aerial photograph: NSW Six Map

N

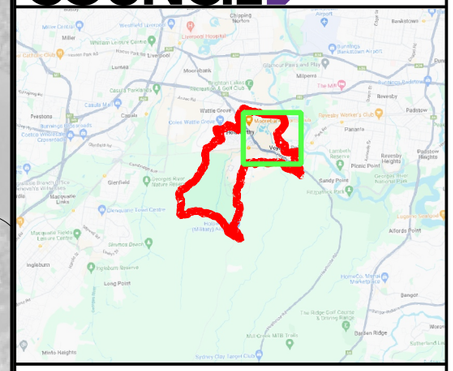
Scale: 1:10,000 (at A3)
0 100 200 300 m

Figure 32.3:
Floodwater Velocity for the Yr2025 PMF

Prepared by:
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Suite 1, Level 10, 70 Phillip St
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File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

Study Area

Provisional Hazard

- Low Hazard
- Intermediate Hazard
- High Hazard

Notes:
Aerial photograph: NSW Six Map

N

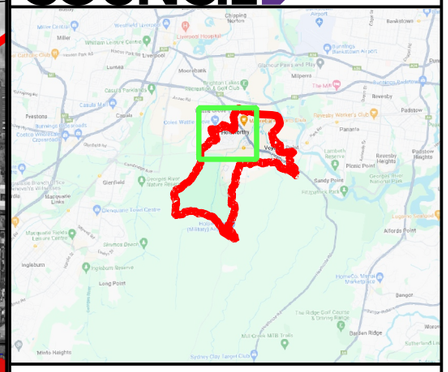
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 33.1:
Provisional Flood Hazard for the Yr2025 20YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

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Legend

Study Area

Provisional Hazard

- Low Hazard
- Intermediate Hazard
- High Hazard

Notes:
Aerial photograph: NSW Six Map

N

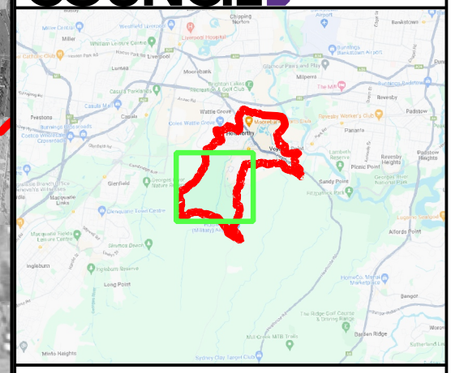
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 33.2:
Provisional Flood Hazard for the Yr2025 20YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

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Legend

Study Area

Provisional Hazard

- Low Hazard
- Intermediate Hazard
- High Hazard

Notes:
Aerial photograph: NSW Six Map

N

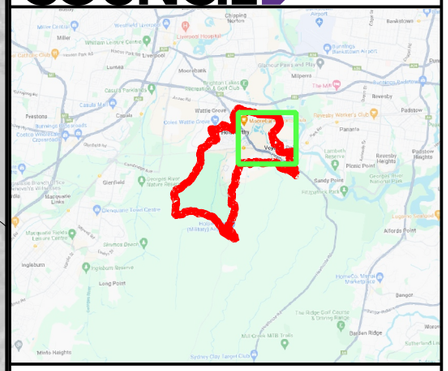
Scale: 1:10,000 (at A3)
0 100 200 300 m

Figure 33.3:
Provisional Flood Hazard for the Yr2025 20YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

- Study Area

Provisional Hazard

- Low Hazard
- Intermediate Hazard
- High Hazard

Notes:
Aerial photograph: NSW Six Map

N

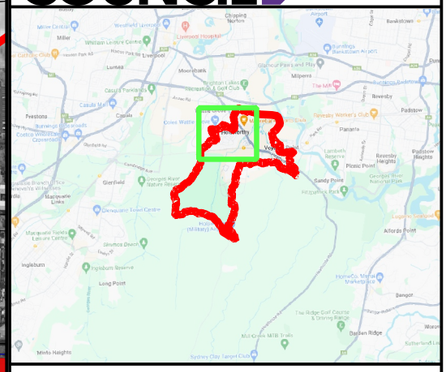
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 34.1:
Provisional Flood Hazard for the Yr2025 100YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

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Legend

Study Area

Provisional Hazard

- Low Hazard
- Intermediate Hazard
- High Hazard

Notes:
Aerial photograph: NSW Six Map

N

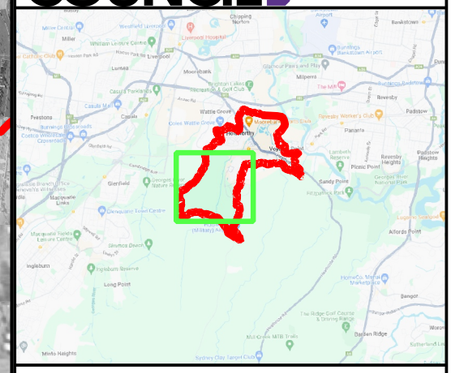
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 34.2:
Provisional Flood Hazard for the Yr2025 100YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

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LIVERPOOL CITY COUNCIL



Legend

Study Area

Provisional Hazard

- Low Hazard
- Intermediate Hazard
- High Hazard

Notes:
Aerial photograph: NSW Six Map

N

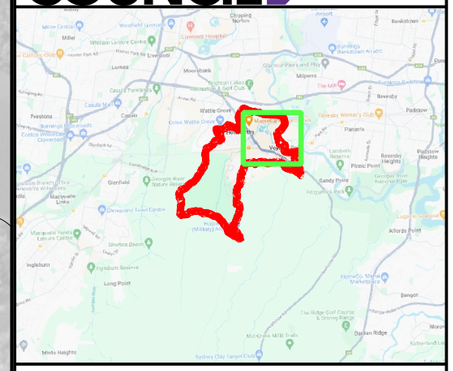
Scale: 1:10,000 (at A3)
0 100 200 300 m

Figure 34.3:
Provisional Flood Hazard for the Yr2025 100YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

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Legend

Study Area

Provisional Hazard

- Low Hazard
- Intermediate Hazard
- High Hazard

Notes:
Aerial photograph: NSW Six Map

N

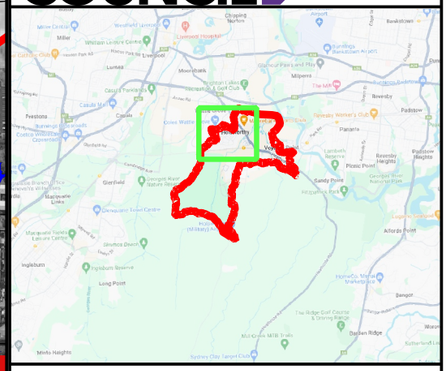
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 35.1:
Provisional Flood Hazard for the Yr2025 PMF

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

- Study Area

Provisional Hazard

- Low Hazard
- Intermediate Hazard
- High Hazard

Notes:
Aerial photograph: NSW Six Map

N

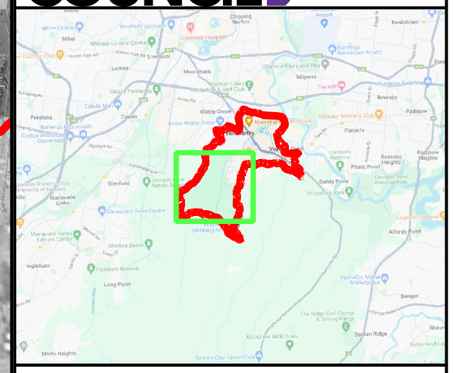
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 35.2:
Provisional Flood Hazard for the Yr2025 PMF

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

Study Area

Provisional Hazard

- Low Hazard
- Intermediate Hazard
- High Hazard

Notes:
Aerial photograph: NSW Six Map

N

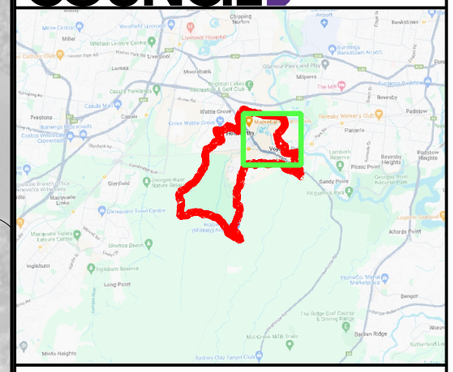
Scale: 1:10,000 (at A3)
0 100 200 300 m

Figure 35.3:
Provisional Flood Hazard for the Yr2025 PMF

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

Study Area

Hazard

- H1 - Generally safe
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and elderly
- H4 - Unsafe for people and vehicles
- H5 - Unsafe for people and vehicles Buildings require special design
- H6 - Unsafe for people and vehicles All buildings vulnerable to failure

Notes:
Aerial photograph: NSW Six Map

N

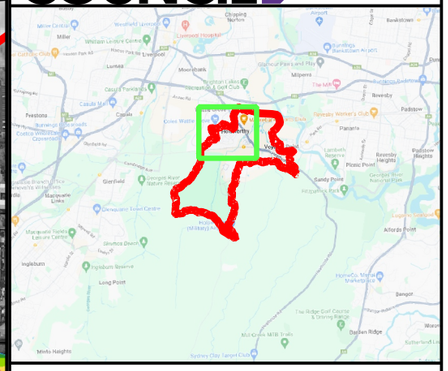
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 36.1:
Flood Hazard for the Yr2025 20YR ARI Event

Prepared by:
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Sydney, NSW, 2000

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Legend

Study Area

Hazard

- H1 - Generally safe
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and elderly
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- H5 - Unsafe for people and vehicles Buildings require special design
- H6 - Unsafe for people and vehicles All buildings vulnerable to failure

Notes:
Aerial photograph: NSW Six Map

N

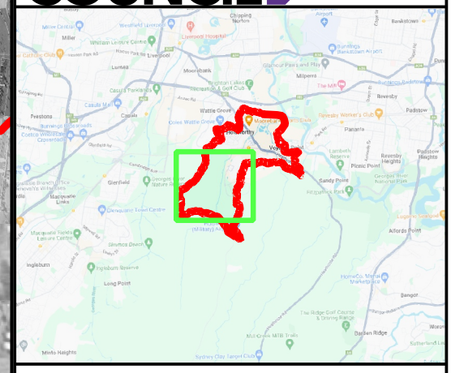
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 36.2:
Flood Hazard for the Yr2025 20YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

Study Area

Hazard

- H1 - Generally safe
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and elderly
- H4 - Unsafe for people and vehicles
- H5 - Unsafe for people and vehicles Buildings require special design
- H6 - Unsafe for people and vehicles All buildings vulnerable to failure

Notes:
Aerial photograph: NSW Six Map

N

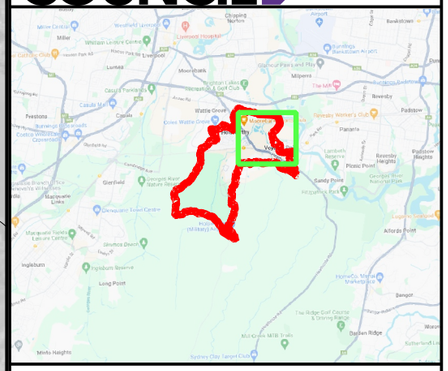
Scale: 1:10,000 (at A3)
0 100 200 300 m

Figure 36.3:
Flood Hazard for the Yr2025 20YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
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File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

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Legend

Study Area

Hazard

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Notes:
Aerial photograph: NSW Six Map

N

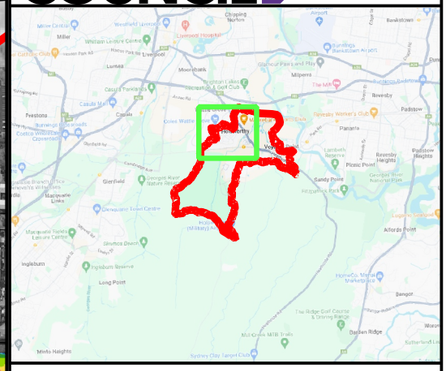
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 37.1:
Flood Hazard for the Yr2025 100YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

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Legend

Study Area

Hazard

- H1 - Generally safe
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Notes:
Aerial photograph: NSW Six Map

N

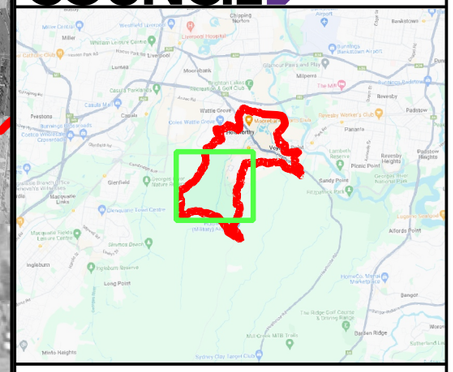
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 37.2:
Flood Hazard for the Yr2025 100YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

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Legend

Study Area

Hazard

- H1 - Generally safe
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Notes:
Aerial photograph: NSW Six Map

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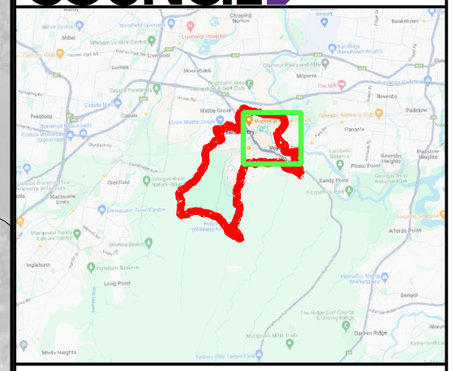
Scale: 1:10,000 (at A3)
0 100 200 300 m

Figure 37.3:
Flood Hazard for the Yr2025 100YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
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Legend

Study Area

Hazard

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Aerial photograph: NSW Six Map

N

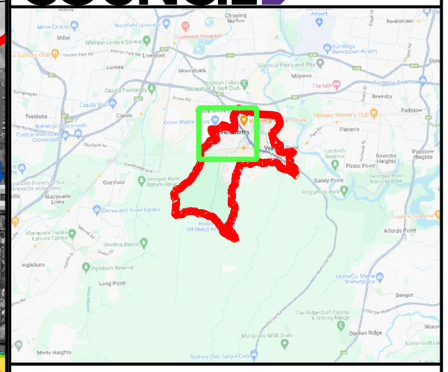
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 38.1:
Flood Hazard for the Yr2025 PMF

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

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Legend

Study Area

Hazard

- H1 - Generally safe
- H2 - Unsafe for small vehicles
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- H5 - Unsafe for people and vehicles Buildings require special design
- H6 - Unsafe for people and vehicles All buildings vulnerable to failure

Notes:
Aerial photograph: NSW Six Map

N

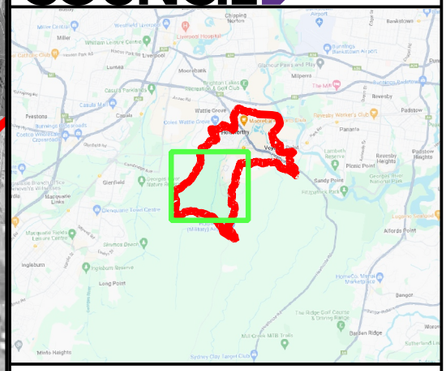
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 38.2:
Flood Hazard for the Yr2025 PMF

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

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Legend

Study Area

Hazard

- H1 - Generally safe
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and elderly
- H4 - Unsafe for people and vehicles
- H5 - Unsafe for people and vehicles Buildings require special design
- H6 - Unsafe for people and vehicles All buildings vulnerable to failure

Notes:
Aerial photograph: NSW Six Map

N

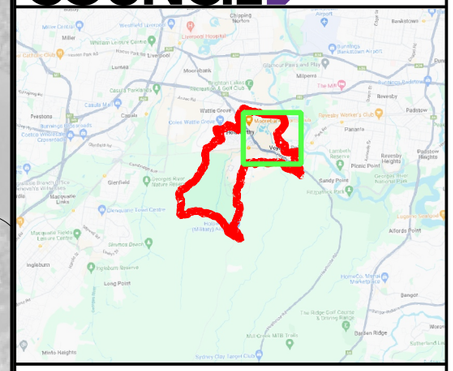
Scale: 1:10,000 (at A3)
0 100 200 300 m

Figure 38.3:
Flood Hazard for the Yr2025 PMF

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

- Study Area

Hydraulic Categories

- Floodway
- Flood Storage
- Flood Fringe

Notes:
Aerial photograph: NSW Six Map

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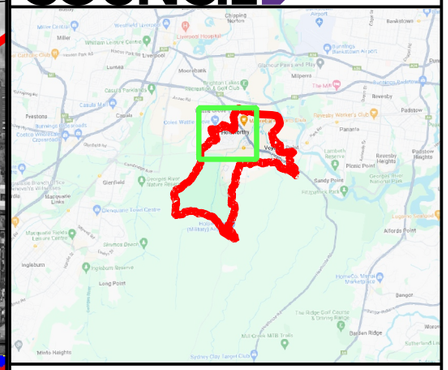
Scale: 1:8,000 (at A3)
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Figure 39.1:
Hydraulic Categories for the Yr2025 100YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

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Legend

- Study Area

Hydraulic Categories

- Floodway
- Flood Storage
- Flood Fringe

Notes:
Aerial photograph: NSW Six Map

N

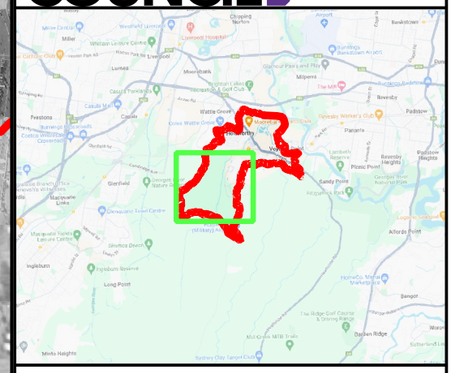
Scale: 1:8,000 (at A3)
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Figure 39.2:
Hydraulic Categories for the Yr2025 100YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

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Legend

- Study Area

Hydraulic Categories

- Floodway
- Flood Storage
- Flood Fringe

Notes:
Aerial photograph: NSW Six Map

N

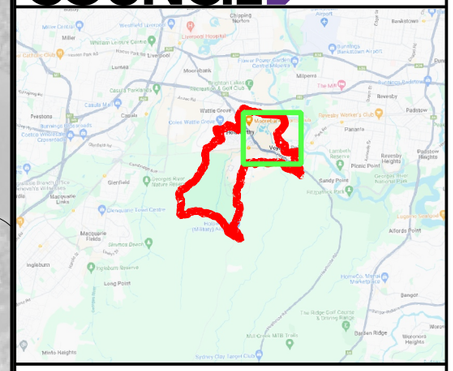
Scale: 1:10,000 (at A3)
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Figure 39.3:
Hydraulic Categories for the Yr2025 100YR ARI Event

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

- Study Area

Risk Categories

- High Risk
- Medium Risk
- Low Risk

Notes:
Aerial photograph: NSW Six Map

N

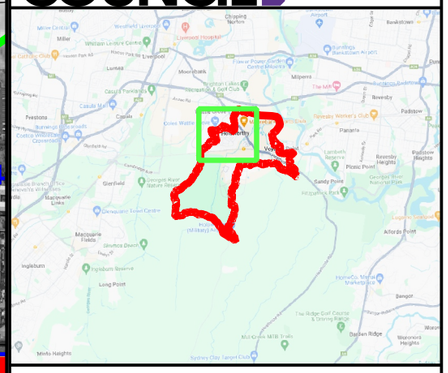
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 40.1:
Flood Risk Precincts for the Yr2025 (ARR1987)

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

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LIVERPOOL CITY COUNCIL



Legend

- Study Area

Risk Categories

- High Risk
- Medium Risk
- Low Risk

Notes:
Aerial photograph: NSW Six Map

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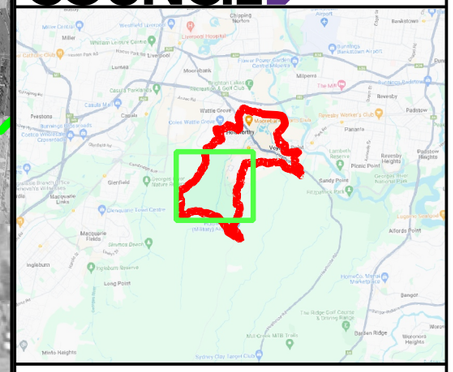
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 40.2:
Flood Risk Precincts for the Yr2025 (ARR1987)

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

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LIVERPOOL CITY COUNCIL



Legend

Study Area

Risk Categories

High Risk

Medium Risk

Low Risk

Notes:
Aerial photograph: NSW Six Map

N

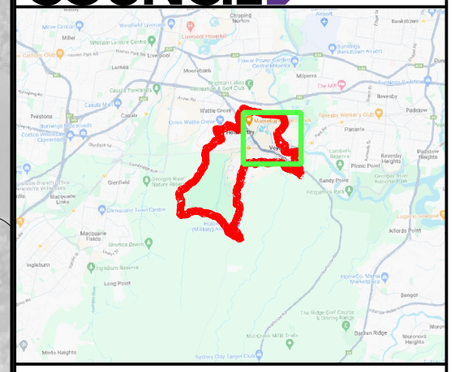
Scale: 1:10,000 (at A3)
0 100 200 300 m

Figure 40.3:
Flood Risk Precincts for the Yr2025 (ARR1987)

Prepared by:
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Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

- Study Area
- Flood Planning Level (mAHD) (0.5m interval)
- Flood Planning Area

Notes:
Aerial photograph: NSW Six Map

N

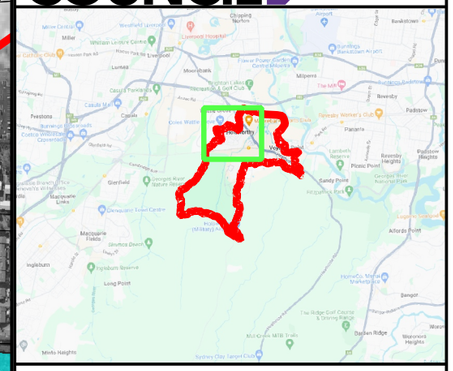
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 41.1:
Flood Planning Area for the Yr2025

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

- Study Area
- Flood Planning Level (mAHD) (0.5m interval)
- Flood Planning Area

Notes:
Aerial photograph: NSW Six Map

N

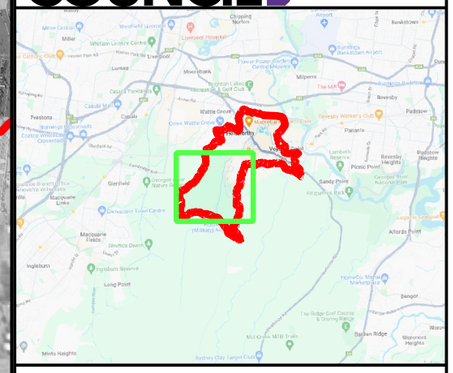
Scale: 1:8,000 (at A3)
0 100 200 300 m

Figure 41.2:
Flood Planning Area for the Yr2025

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz

LIVERPOOL CITY COUNCIL



Legend

- Study Area
- Flood Planning Level (mAHD) (0.5m interval)
- Flood Planning Area

Notes:
Aerial photograph: NSW Six Map

N

Scale: 1:10,000 (at A3)
0 100 200 300 m

Figure 41.3:
Flood Planning Area for the Yr2025

Prepared by:
Catchment Simulation Solutions
Suite 1, Level 10, 70 Phillip St
Sydney, NSW, 2000

File Path: T:\~Projects\J713 - Harris Creek Flood Study\Figures\QGIS\Harris_Creek_FS_Figure_Results.qgz