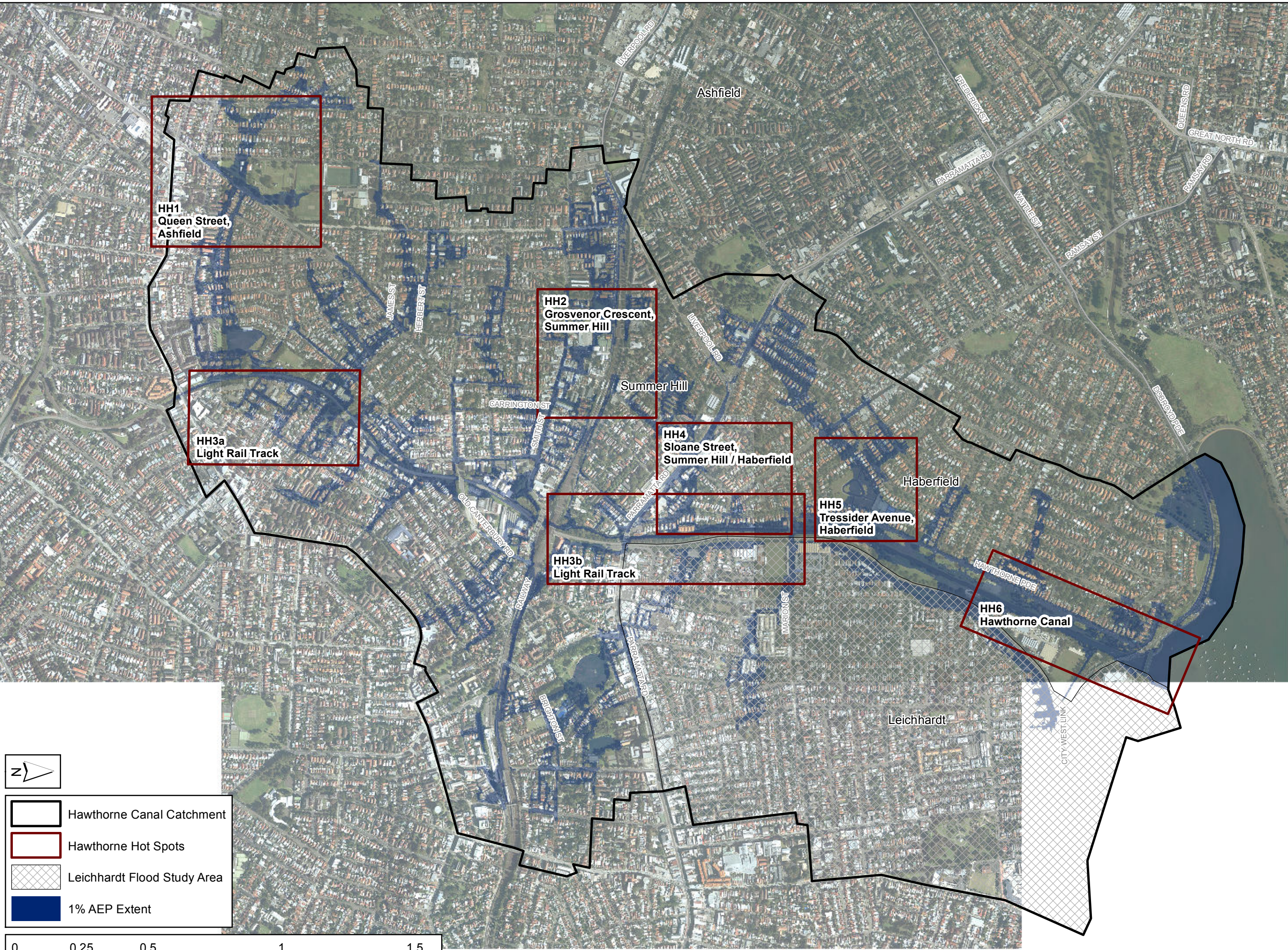


DRAFT FOR PUBLIC EXHIBITION



FIGURE B1
STUDY AREA

J:\Jobs\116043\B_Hawthorne\ArcGIS\ArcMaps\Stage3_Report\Appendix B\Update 20190423\FigureB01 Study Area.mxd



Hawthorne Canal Catchment

Hawthorne Hot Spots

Leichhardt Flood Study Area

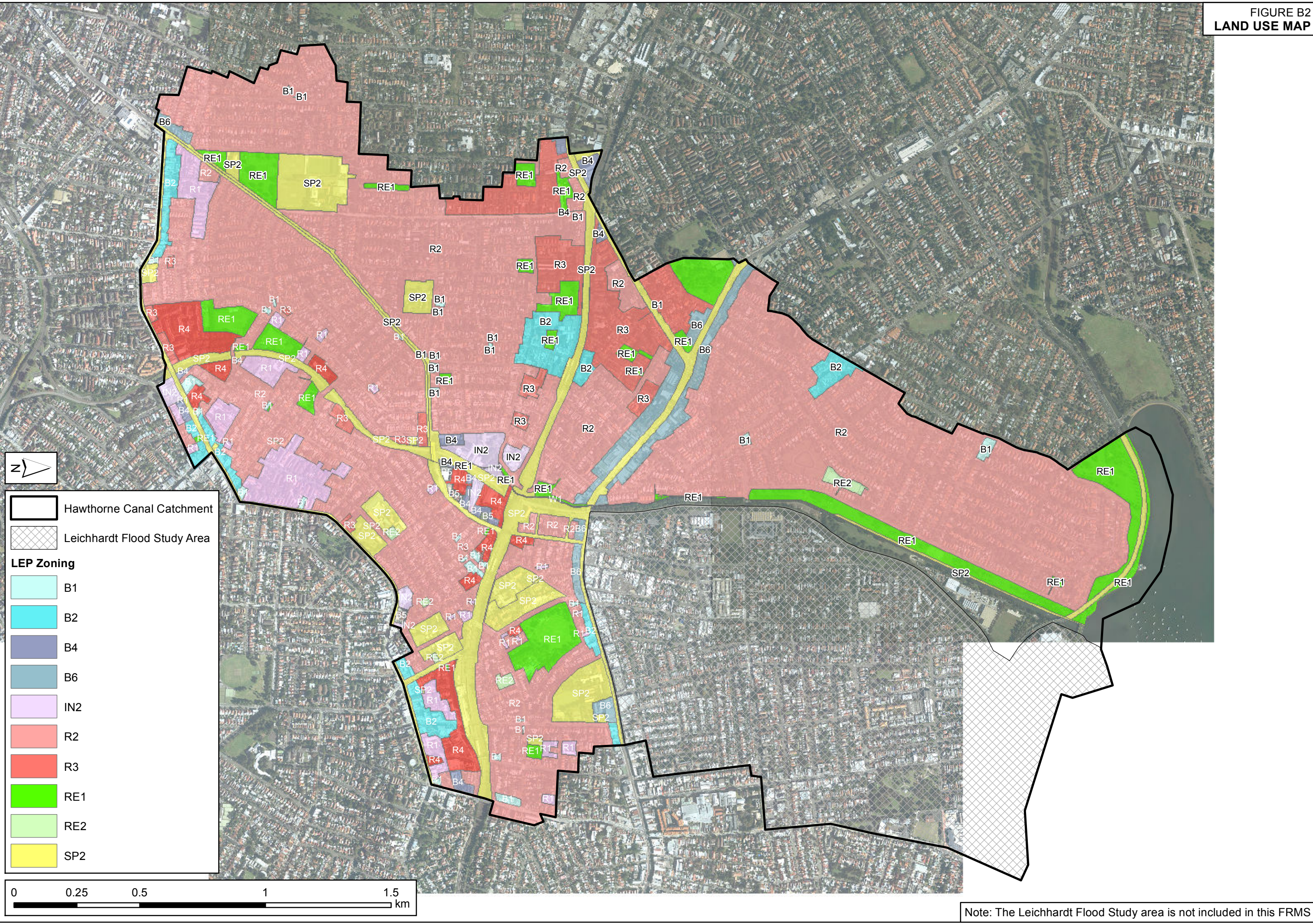
1% AEP Extent



Note: The Leichhardt Flood Study area is not included in this FRMS

FIGURE B2
LAND USE MAP

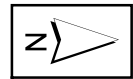
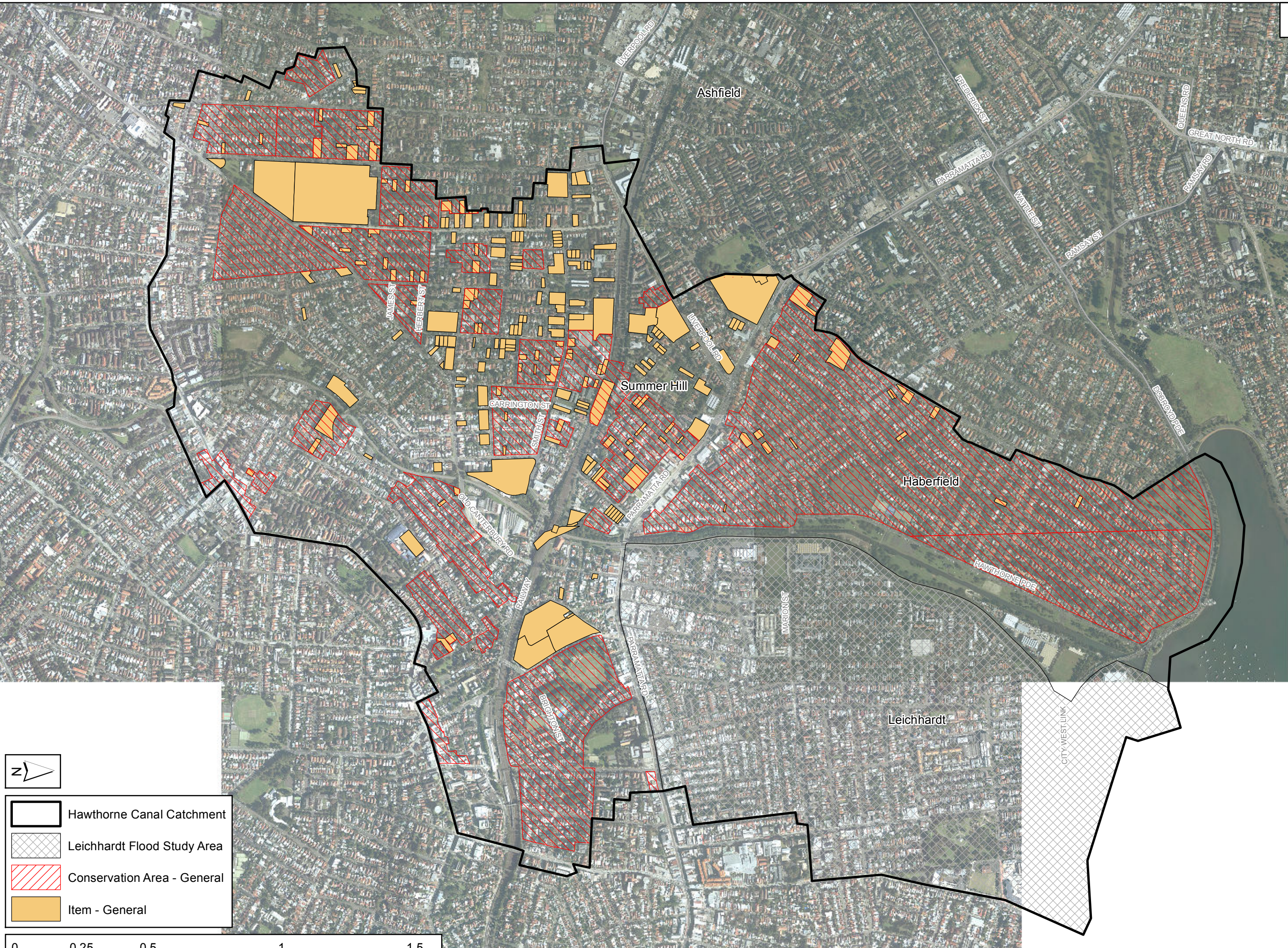
J:\Jobs\116043\B_Hawthorne\ArcGIS\ArcMaps\Stage3_Report\Appendix B\Update 20190423\FigureB02_Land_Use.mxd



Note: The Leichhardt Flood Study area is not included in this FRMS



FIGURE B4
HERITAGE MAP



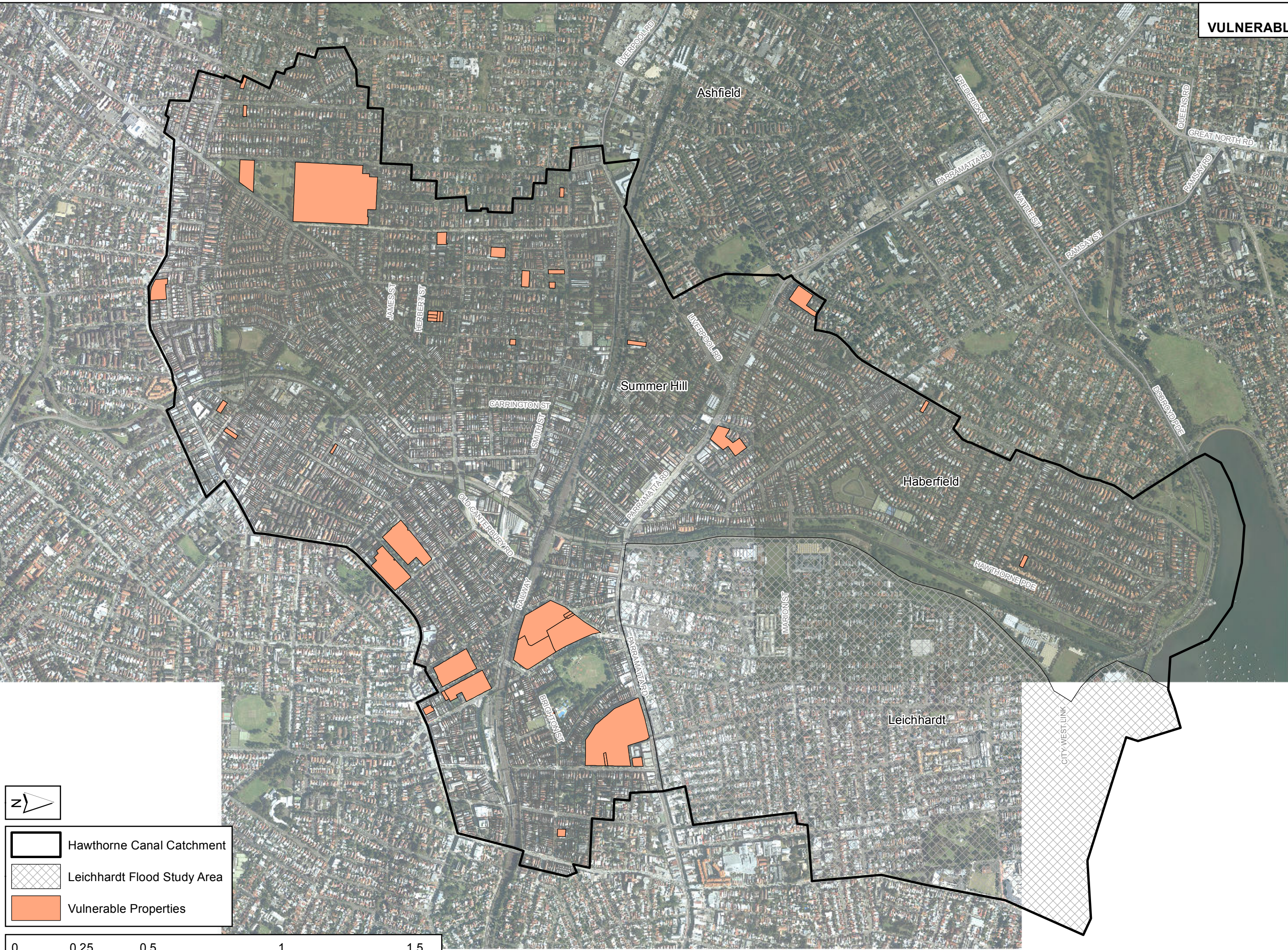
-  Hawthorne Canal Catchment
-  Leichhardt Flood Study Area
-  Conservation Area - General
-  Item - General



Note: The Leichhardt Flood Study area is not included in this FRMS

J:\Jobs\116043\ B_Hawthorne\ArcGIS\ArcMaps\Stage3_Report\Appendix B\Update 20190423\FigureB05 Vulnerable Properties.mxd

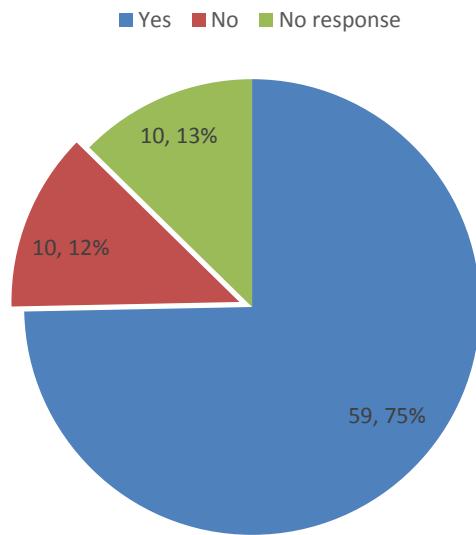
FIGURE B5
VULNERABLE PROPERTIES



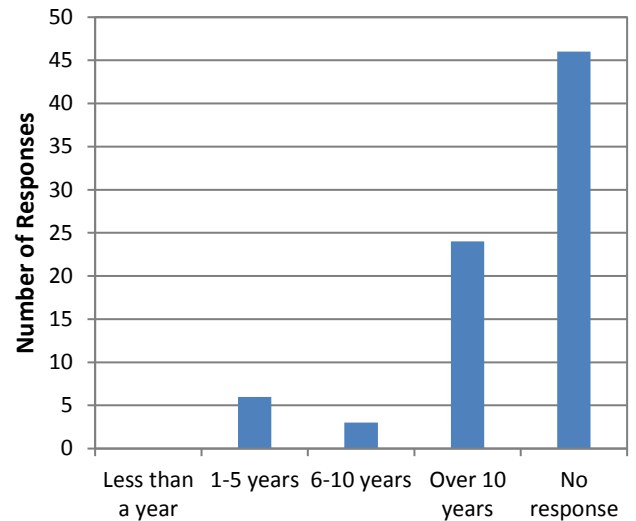
Note: The Leichhardt Flood Study area is not included in this FRMS

FIGURE B6A
COMMUNITY CONSULTATION RESULTS

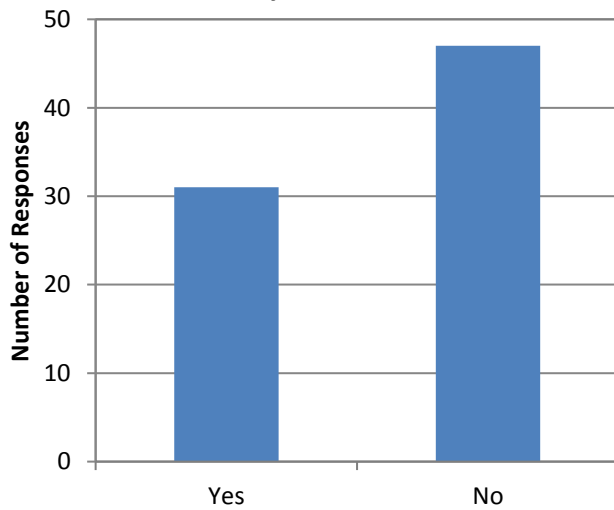
Residents Contactable



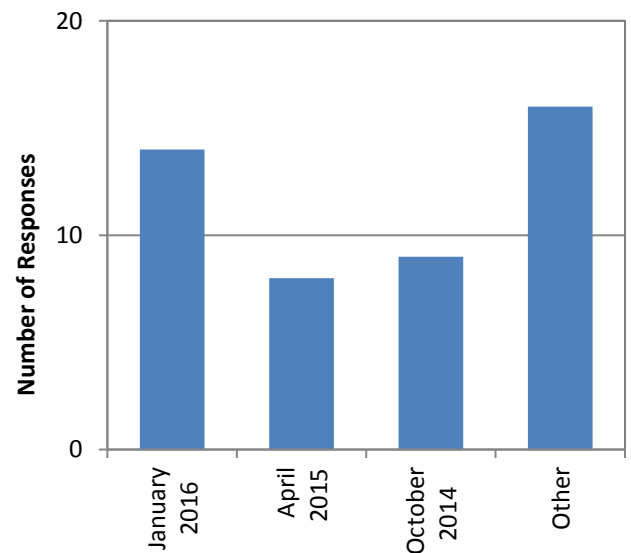
How long have you lived, worked or owned property in the Dobroyd Canal catchment?



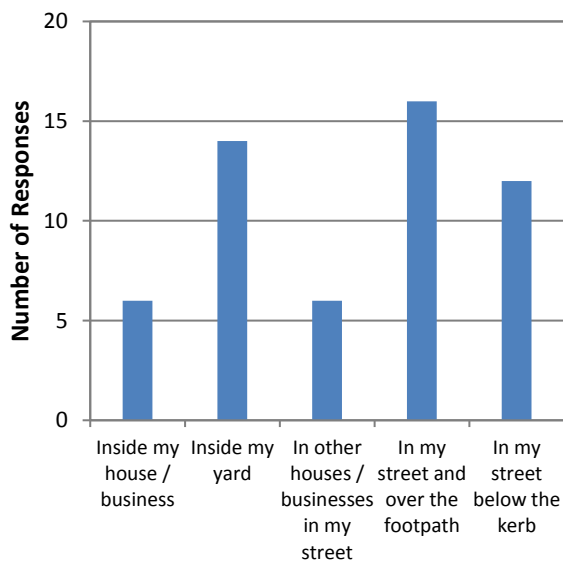
Have you ever experienced flooding in the Dobroyd Canal area?



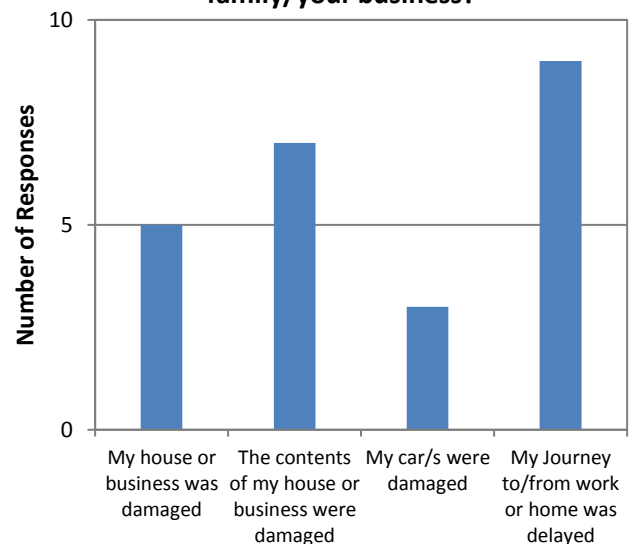
Which flood events have you experienced?



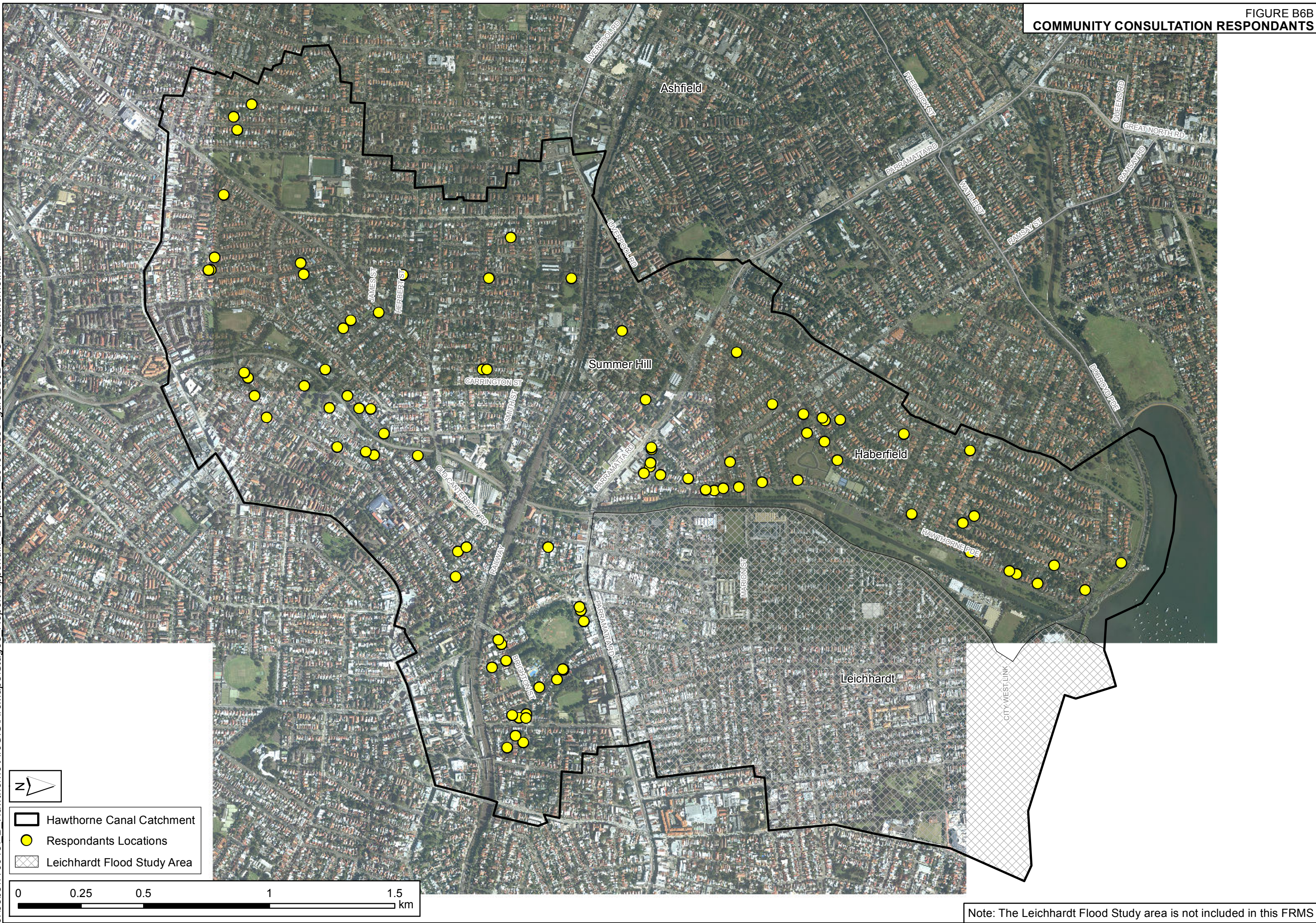
Location of Flooding Experienced



How did the flooding affect you/your family/your business?

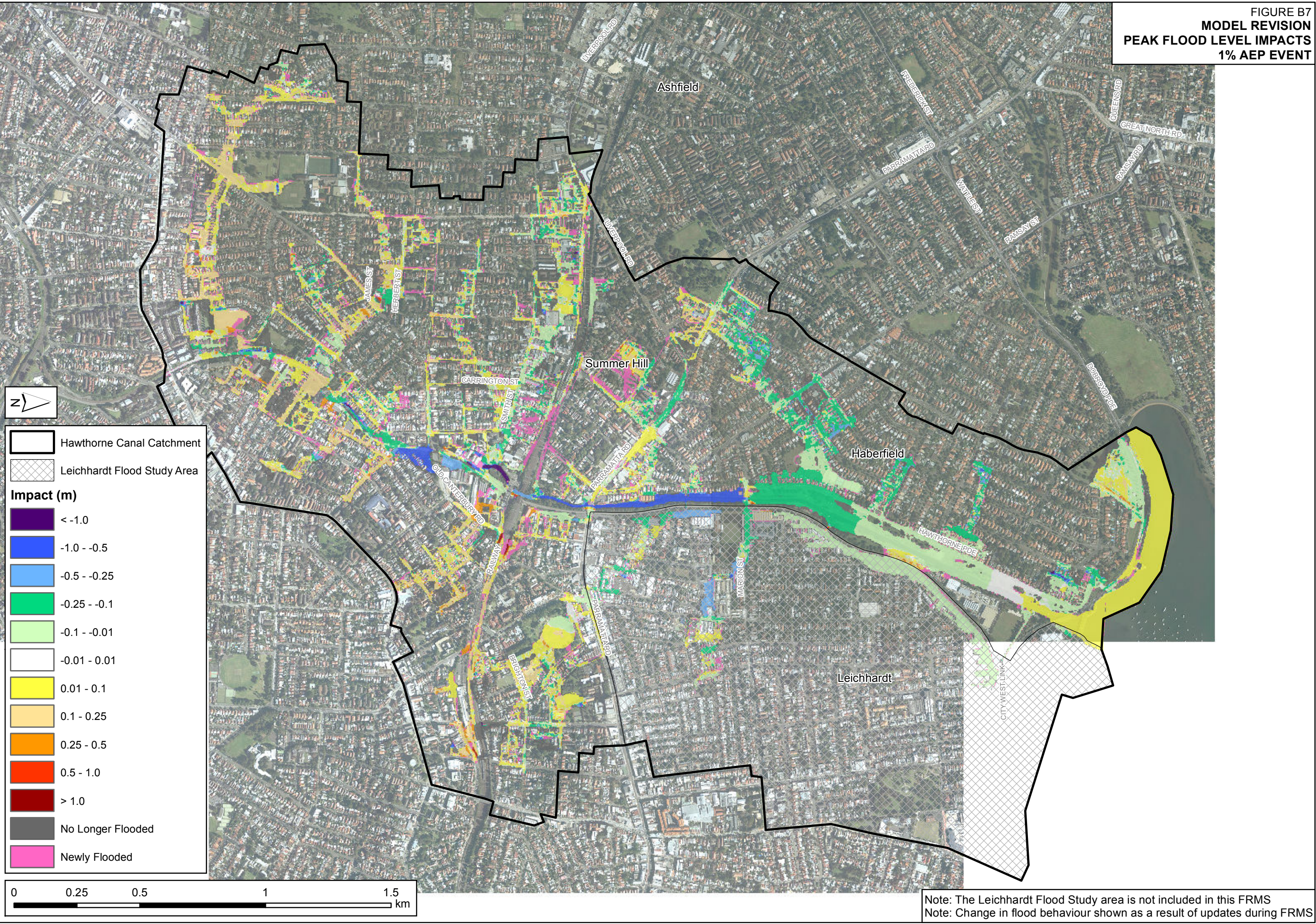


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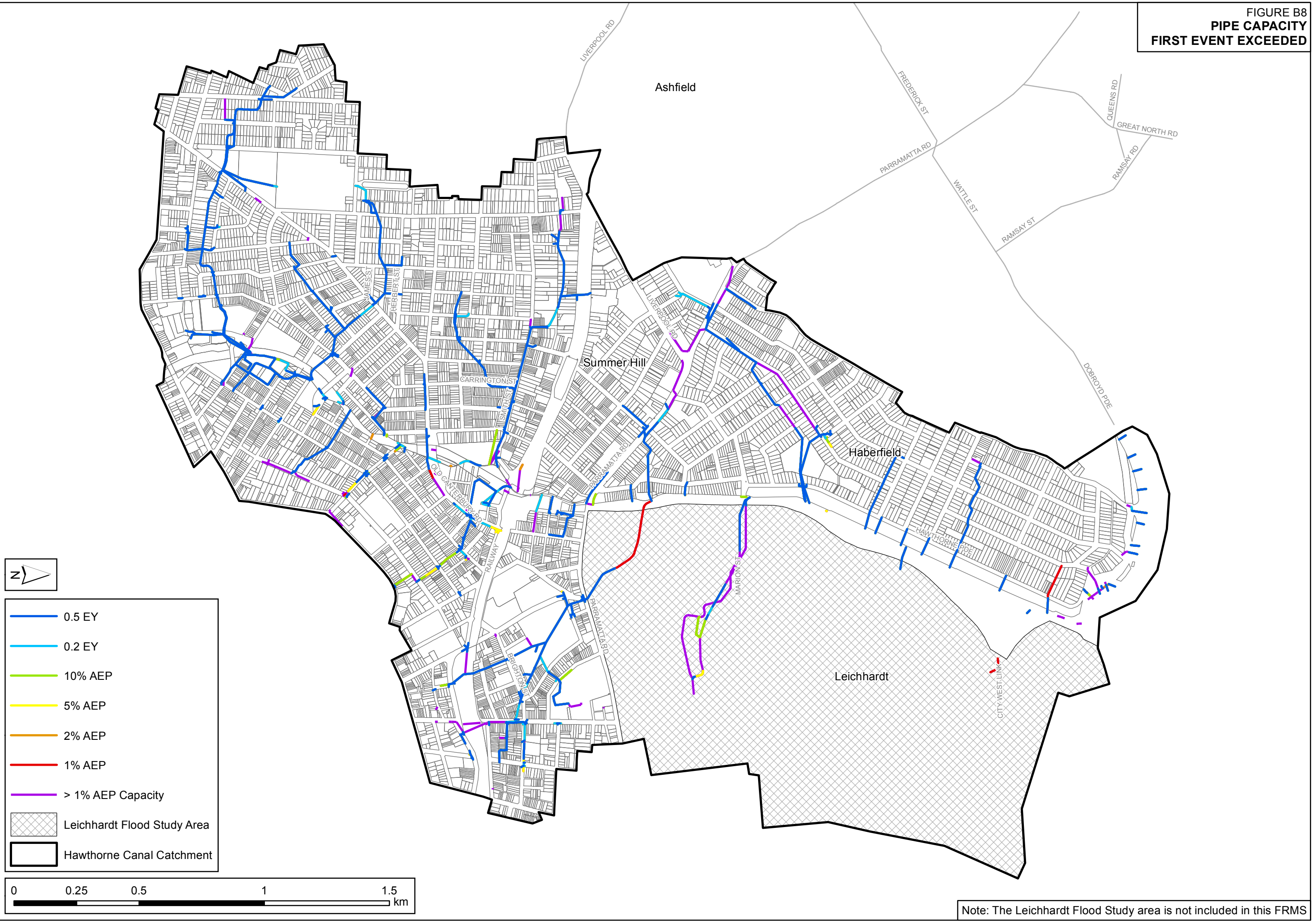
J:\Jobs\116043\ B_Hawthorne\ArcGIS\ArcMaps\Stage3_Report\Appendix B\Update 20190423\FigureB07 Impacts_FS_FRMS.mxd

FIGURE B7
MODEL REVISION
PEAK FLOOD LEVEL IMPACTS
1% AEP EVENT



J:\Jobs\116043\ B_Hawthorne\ArcGIS\ArcMaps\Stage3_Report\Appendix_B\Update_20190423\FigureB08_PipeCapacity.mxd

FIGURE B8
PIPE CAPACITY
FIRST EVENT EXCEEDED



Note: The Leichhardt Flood Study area is not included in this FRMS

FIGURE B9
PEAK FLOOD DEPTHS
0.5 EY EVENT

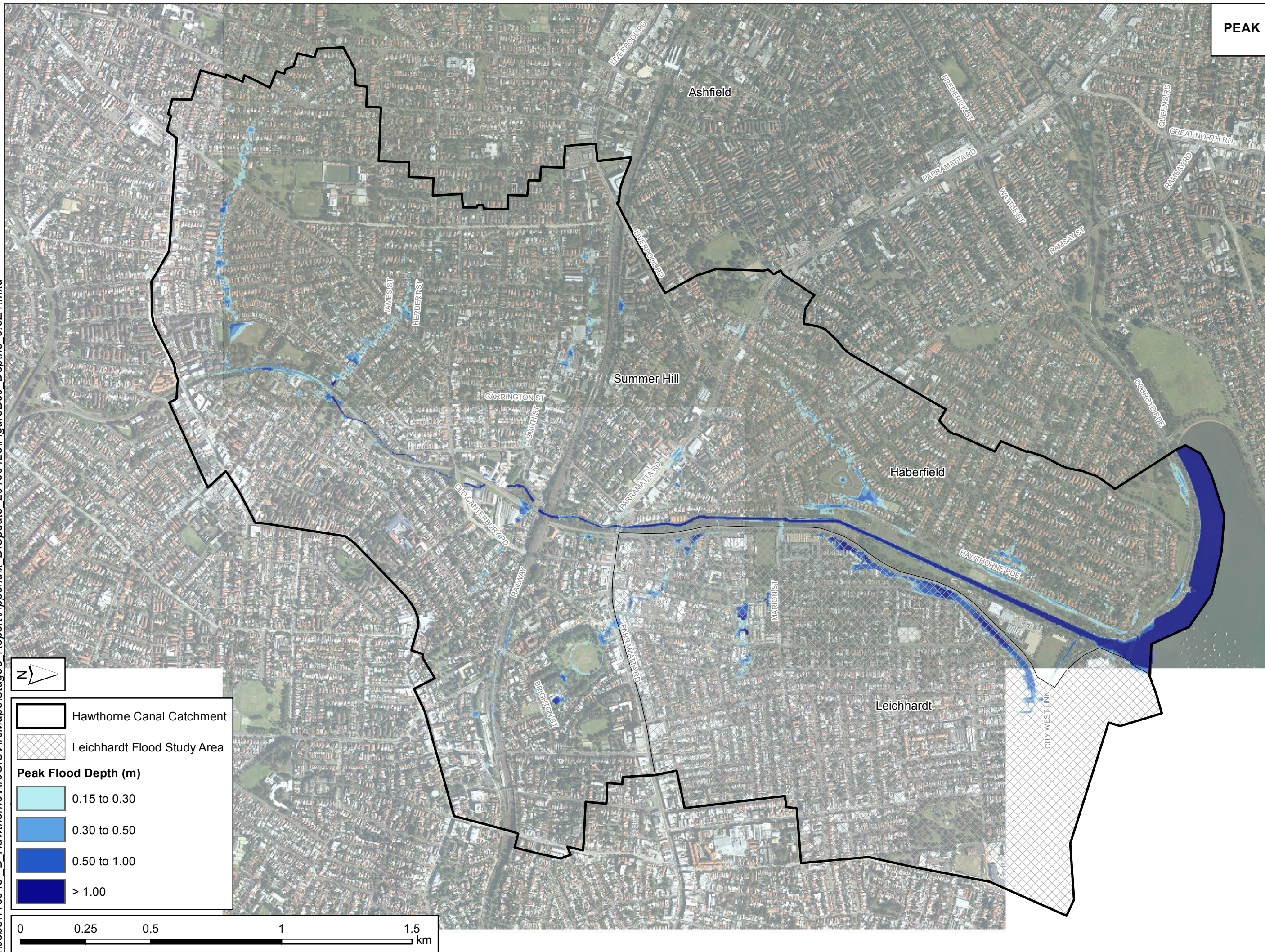
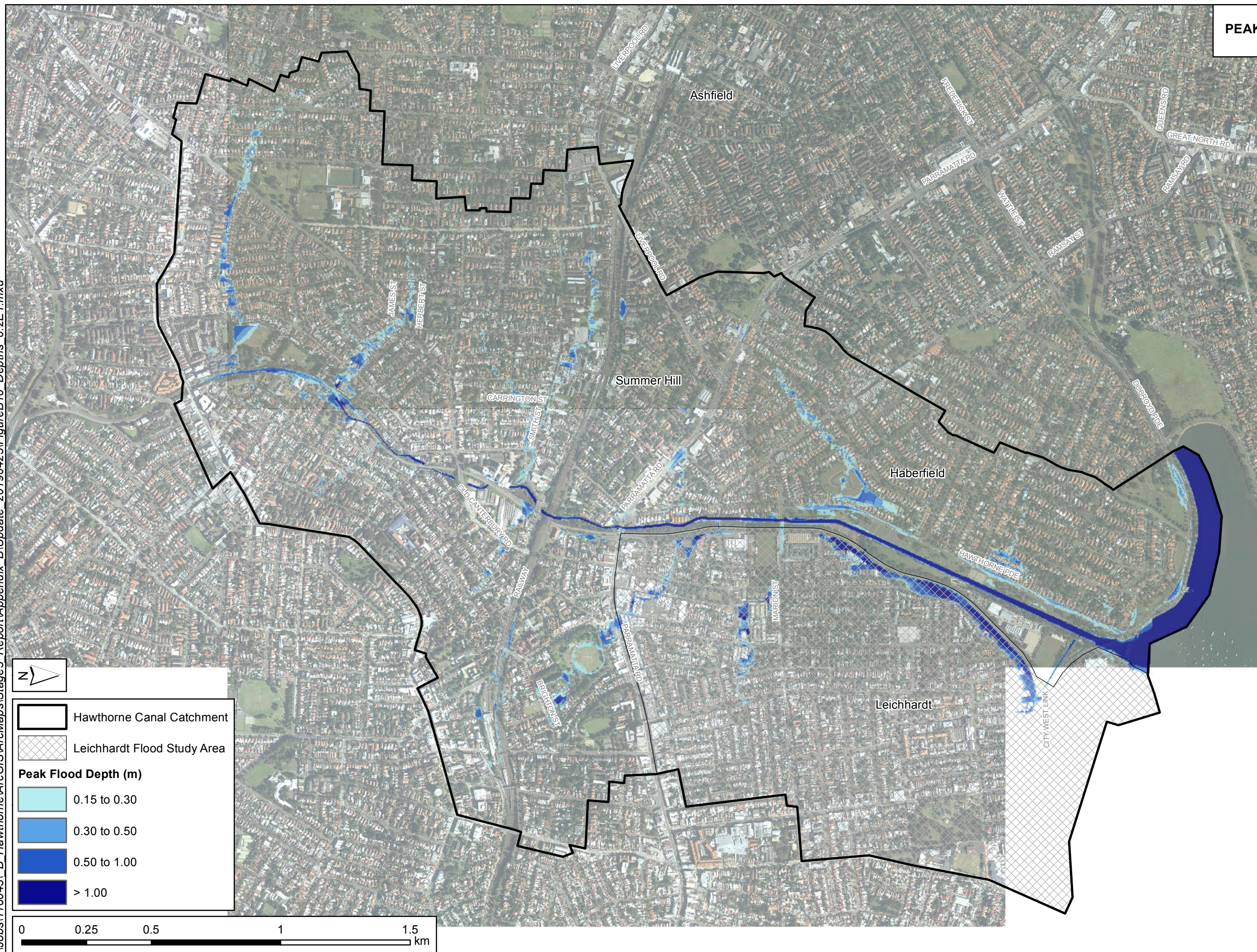


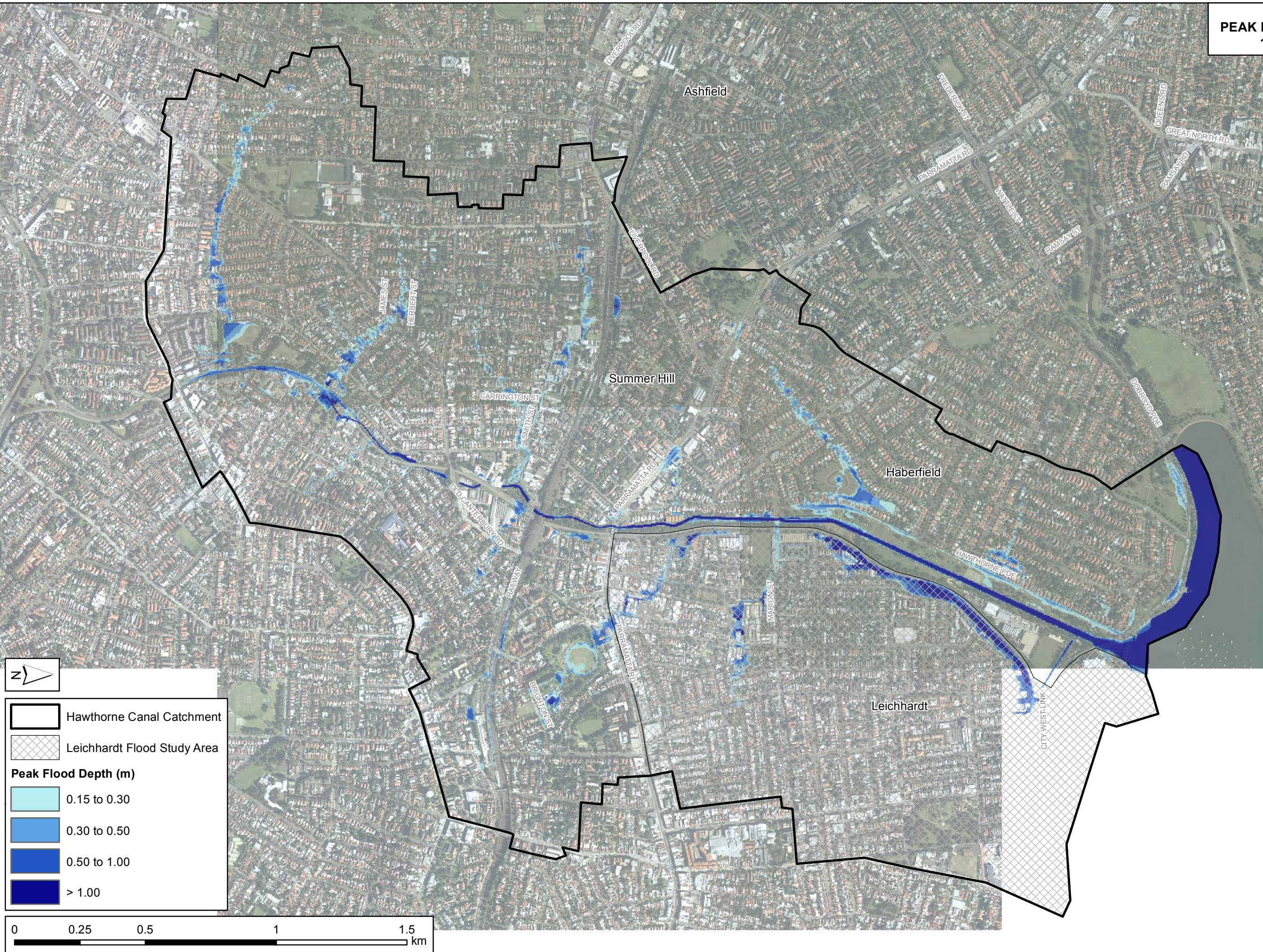
FIGURE B10
PEAK FLOOD DEPTHS
0.2 EY EVENT

J:\Jobs\116043\ B_Hawthorne\ArcGIS\ArcMaps\Stage3_Report\Appendix_B\Update_20190423\FigureB10_Depths_0.2EY.mxd



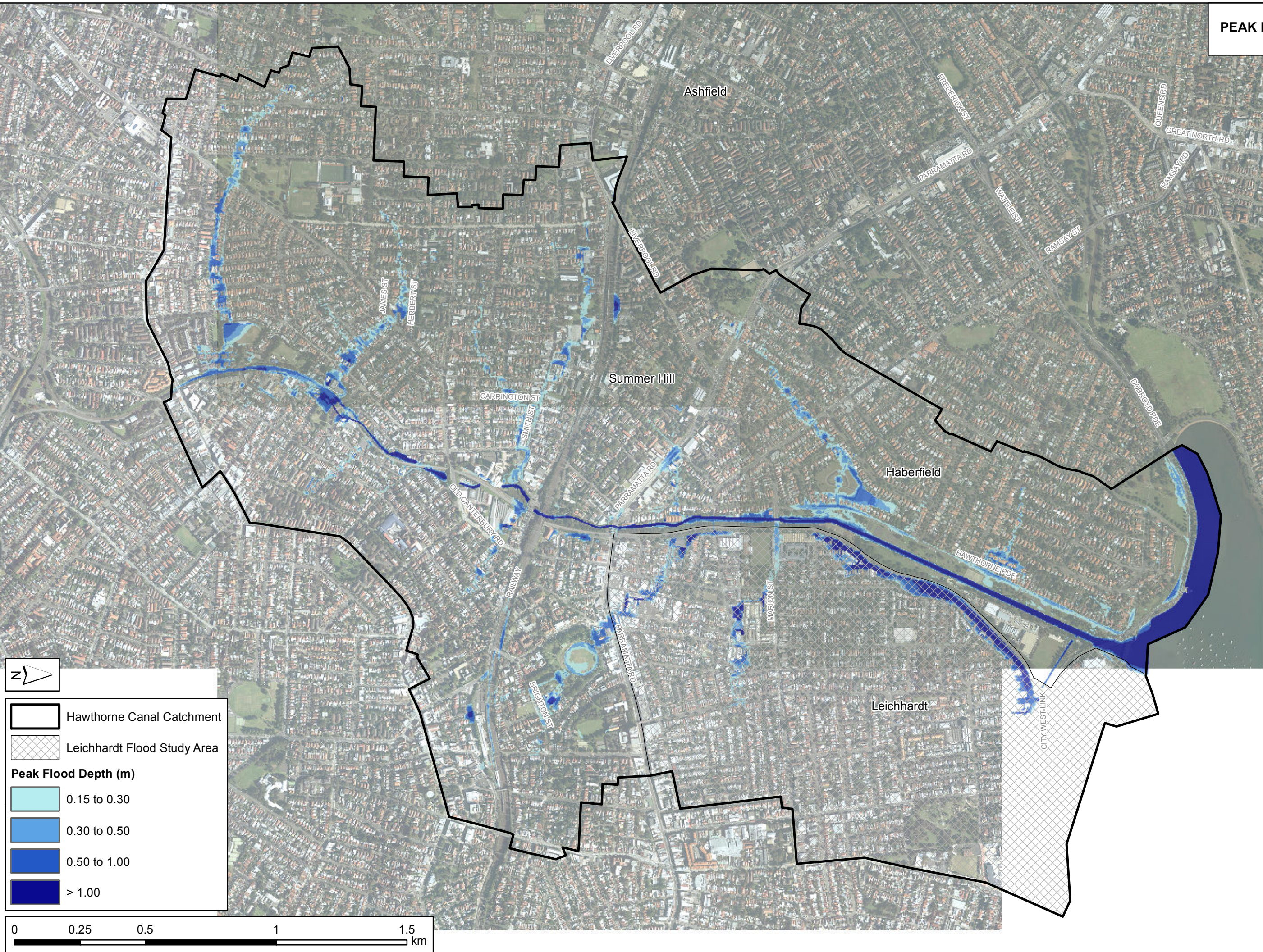
J:\Jobs\116043\ B_Hawthorne\ArcGIS\ArcMaps\Stage3_Report\Appendix B\Update_20190423\FigureB11_Depths_10%AEP.mxd

FIGURE B11
PEAK FLOOD DEPTHS
10% AEP EVENT



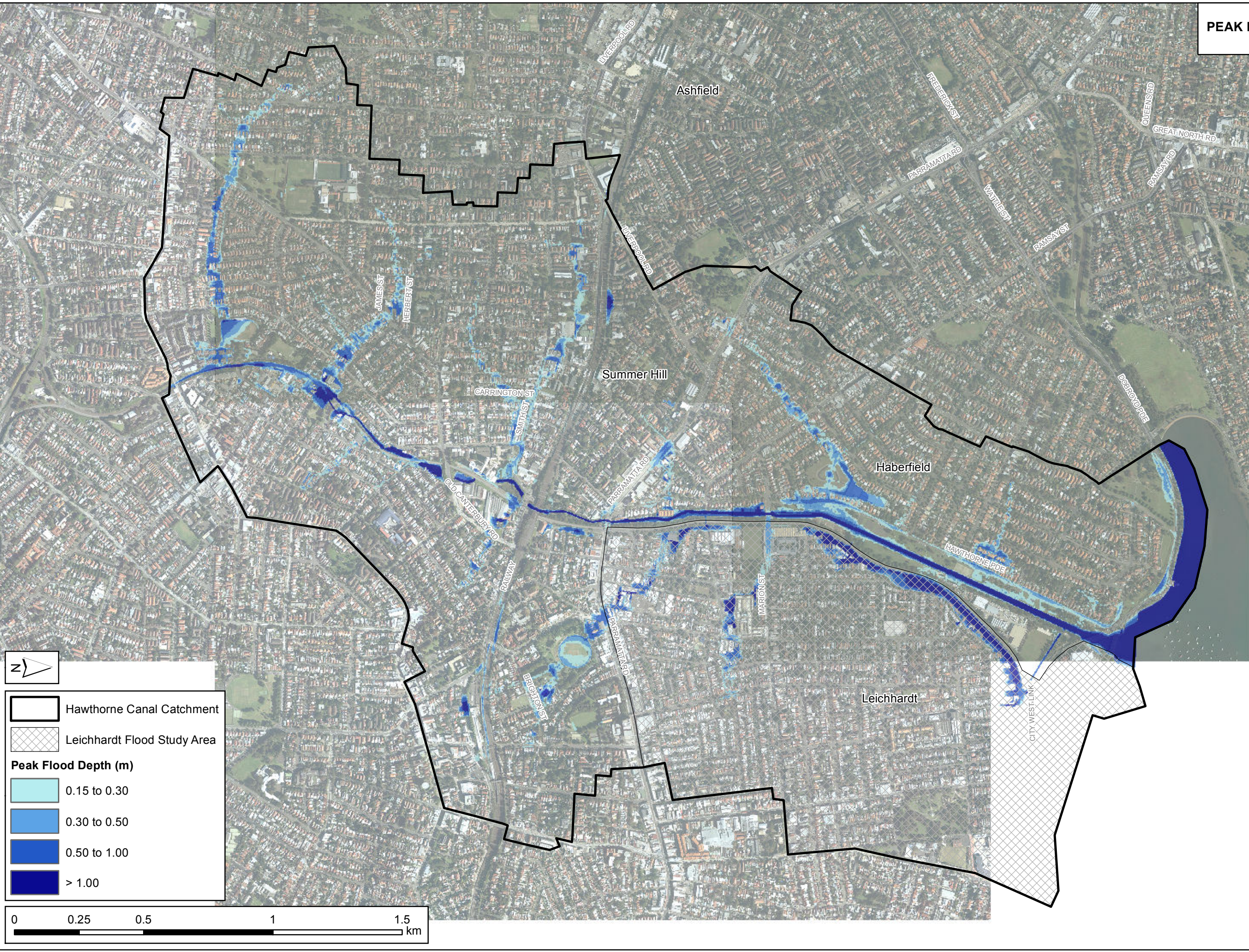
J:\Jobs\116043\B_Hawthorne\ArcGIS\ArcMaps\Stage3_Report\Appendix_B\Update_20190423\FigureB12_Depths_5%AEP.mxd

FIGURE B12
PEAK FLOOD DEPTHS
5% AEP EVENT



J:\Jobs\116043\ B_Hawthorne\ArcGIS\ArcMaps\Stage3_Report\Appendix_B\Update_20190423\FigureB13_Depths_2%AEP.mxd

FIGURE B13
PEAK FLOOD DEPTHS
2% AEP EVENT



J:\Jobs\116043\ B_Hawthorne\ArcGIS\ArcMaps\Stage3_Report\Appendix_B\Update_20190423\FigureB14_Depths_1%AEP.mxd

FIGURE B14
PEAK FLOOD DEPTHS
1% AEP EVENT

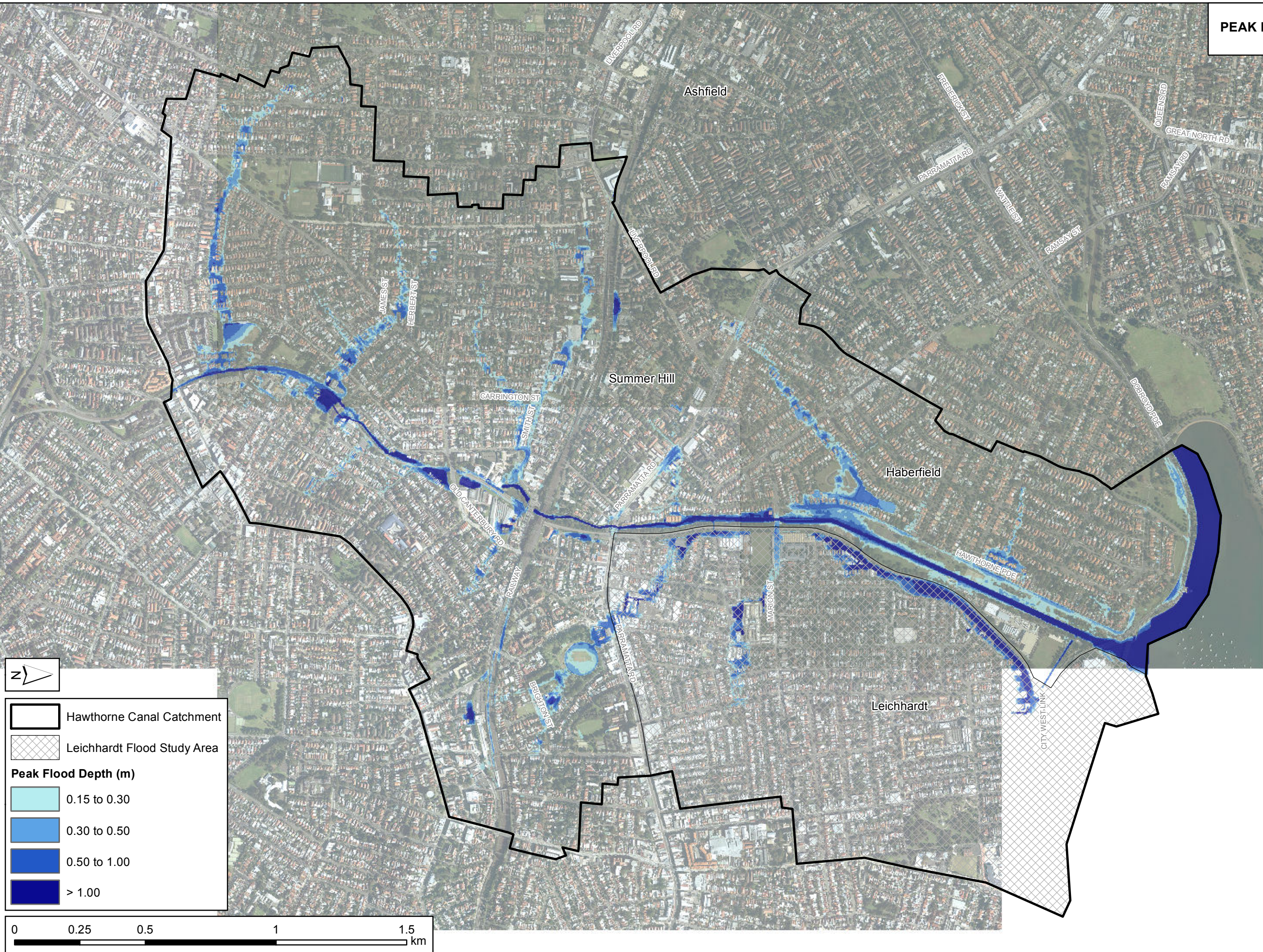


FIGURE B15
PEAK FLOOD DEPTHS
PMF EVENT

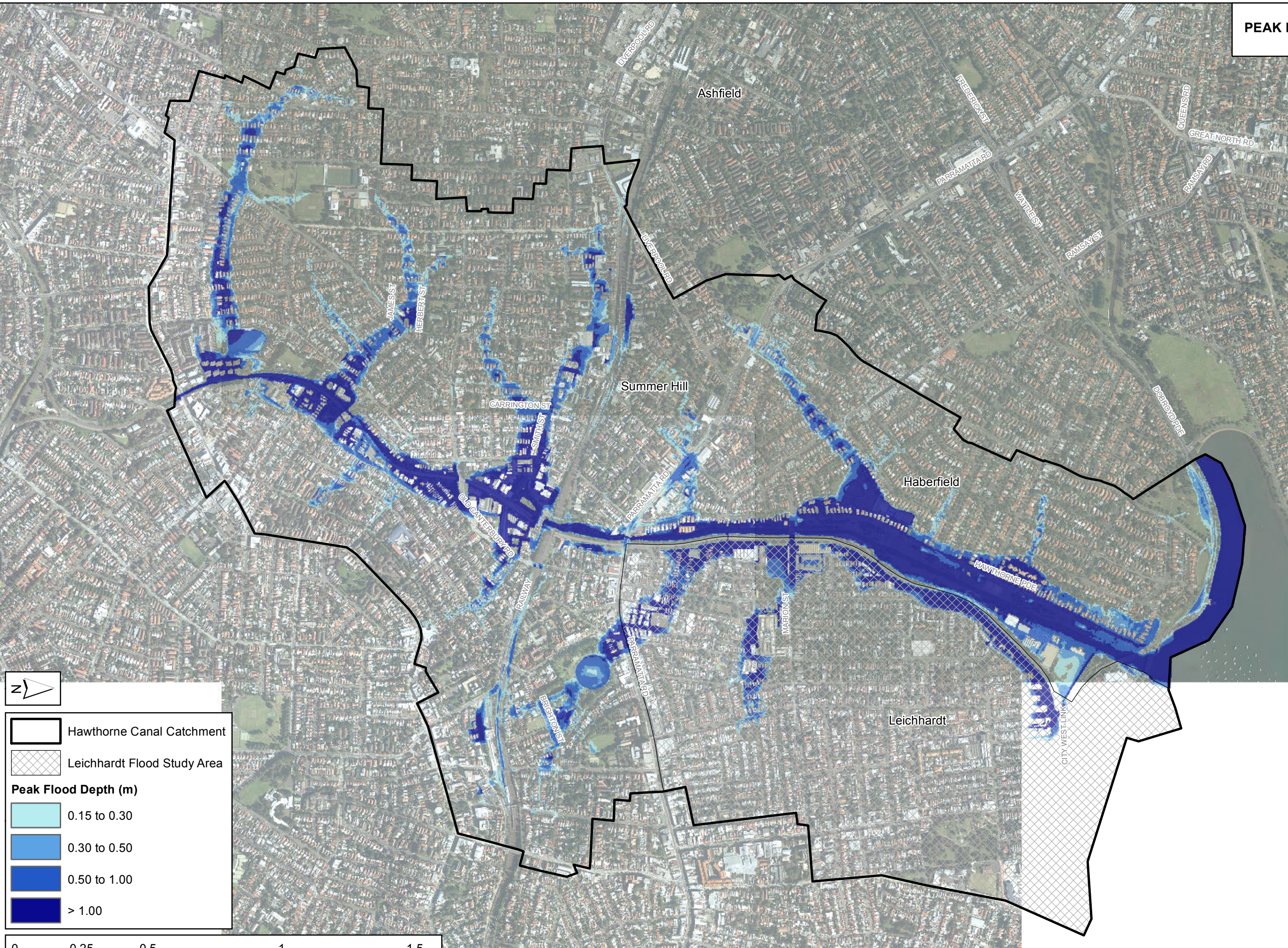


FIGURE B16
HYDRAULIC HAZARD
0.2 EY EVENT

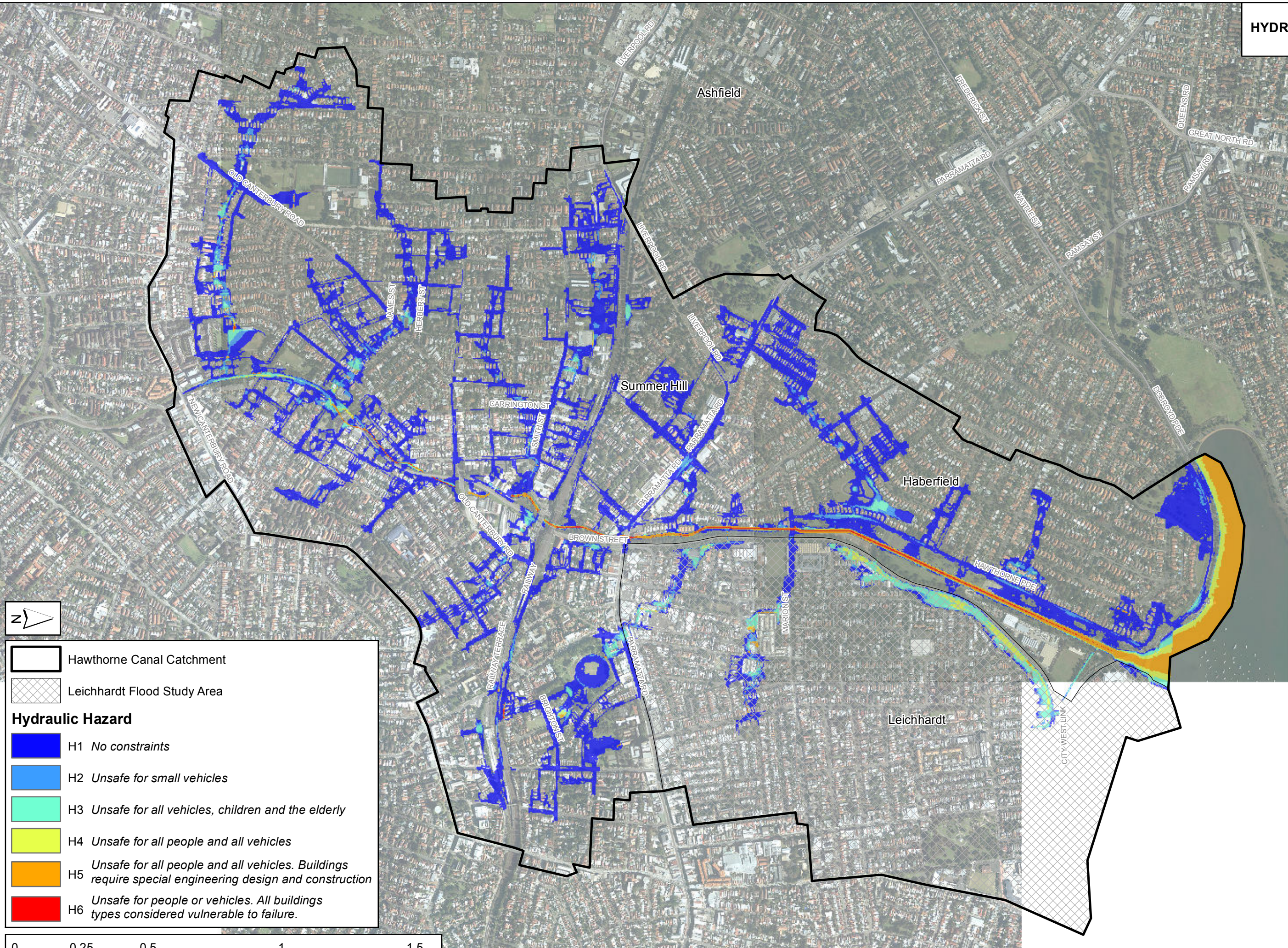


FIGURE B17
HYDRAULIC HAZARD
1% AEP EVENT

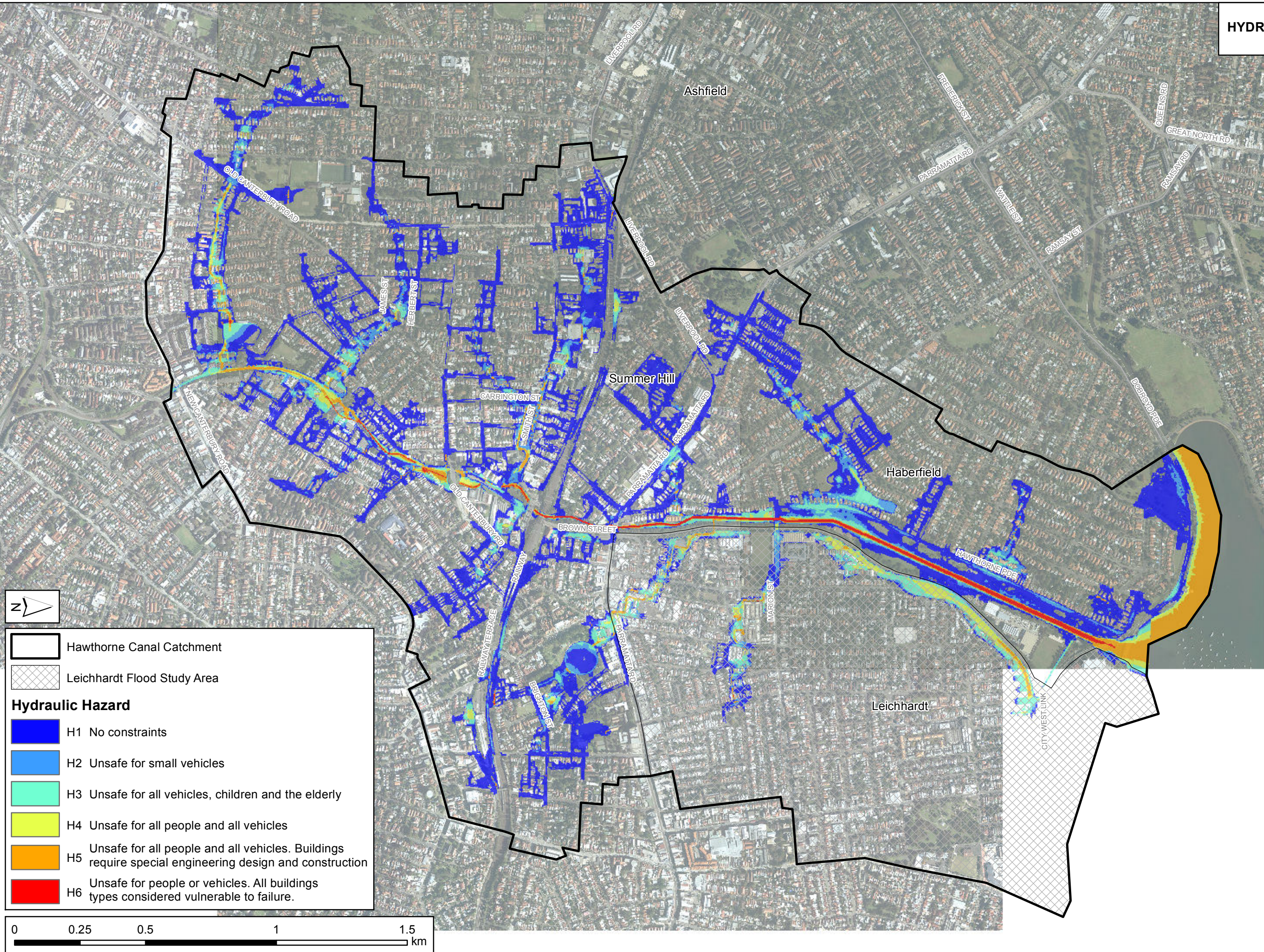
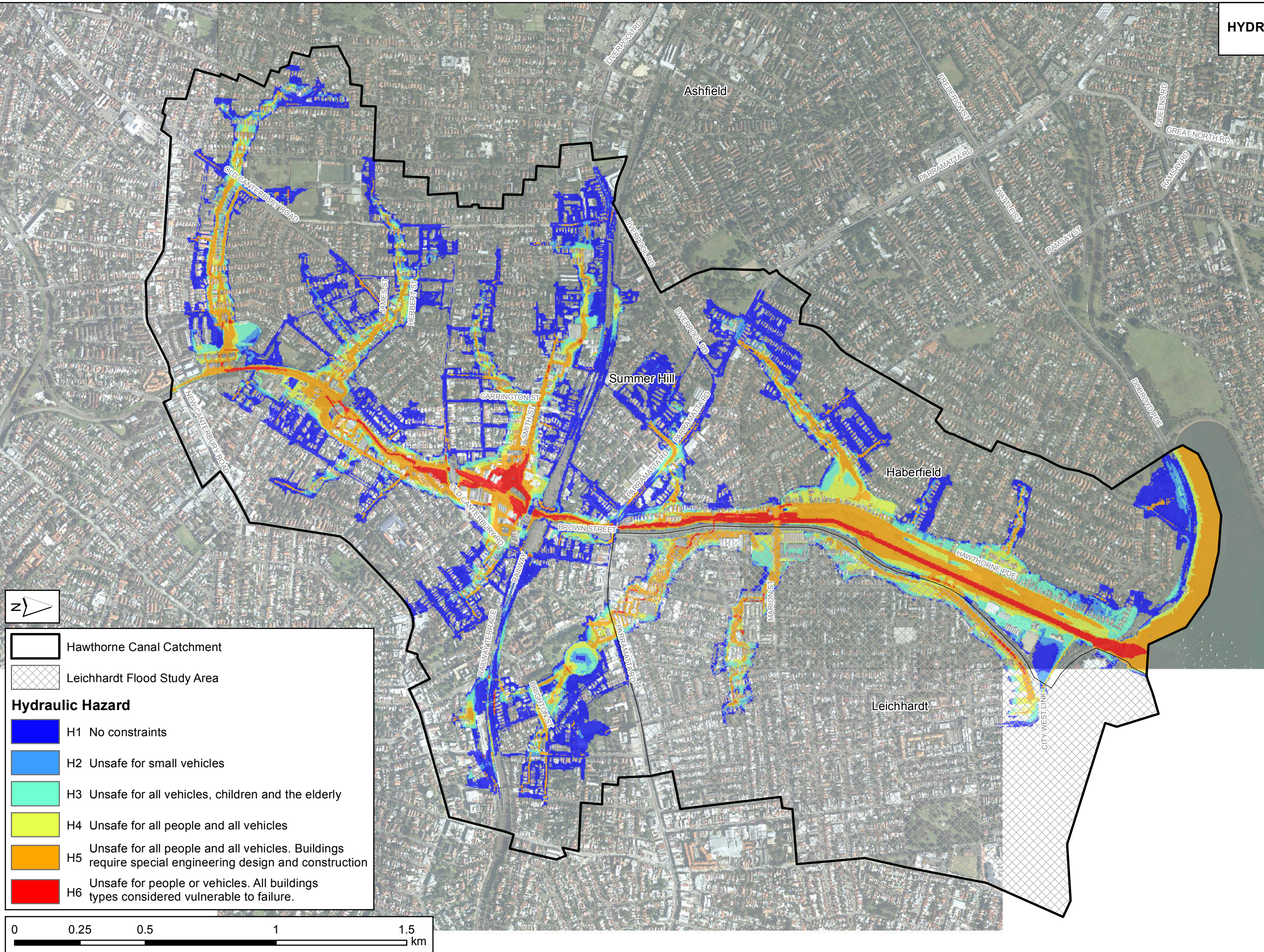
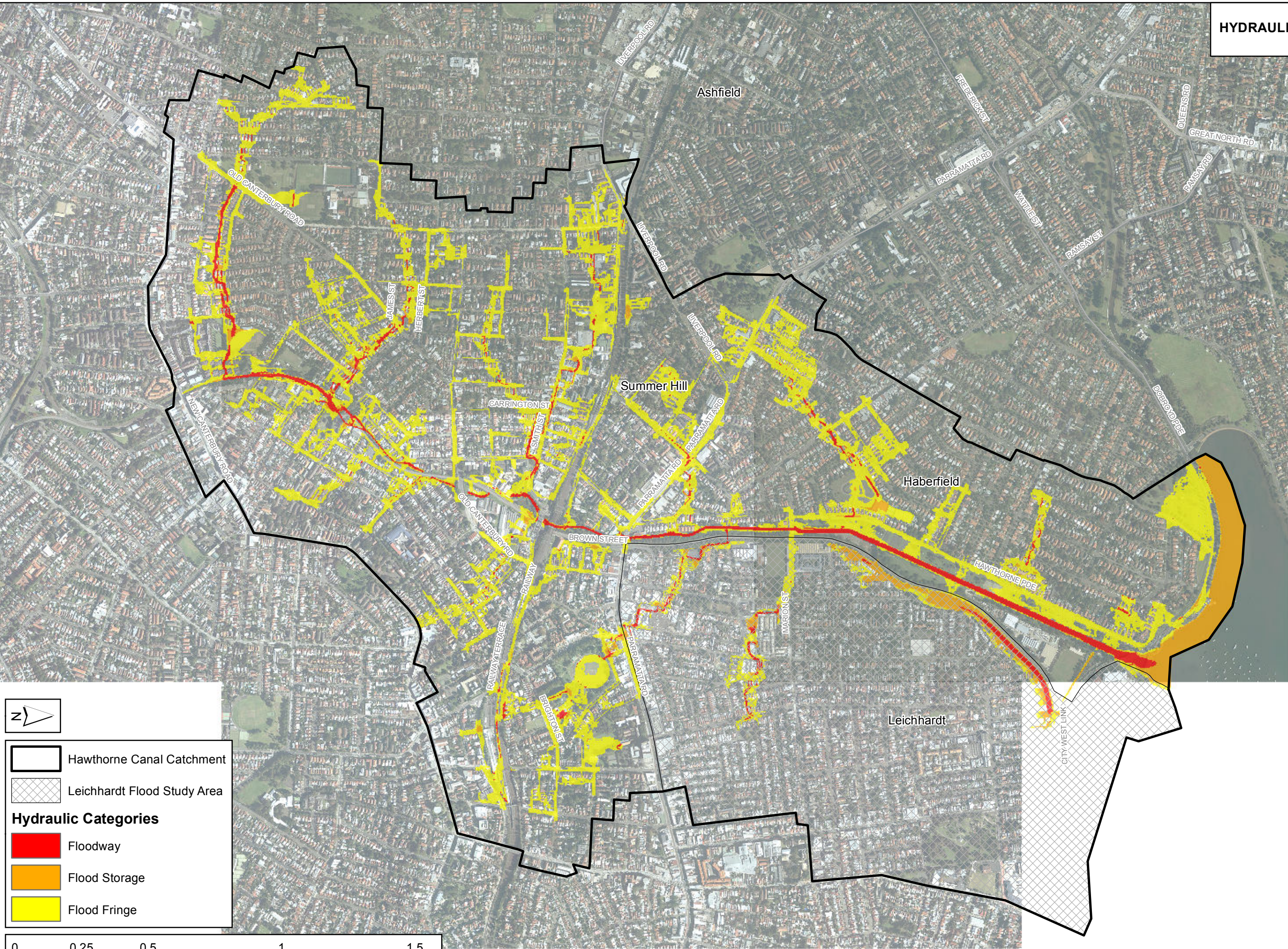


FIGURE B18
HYDRAULIC HAZARD
PMF EVENT



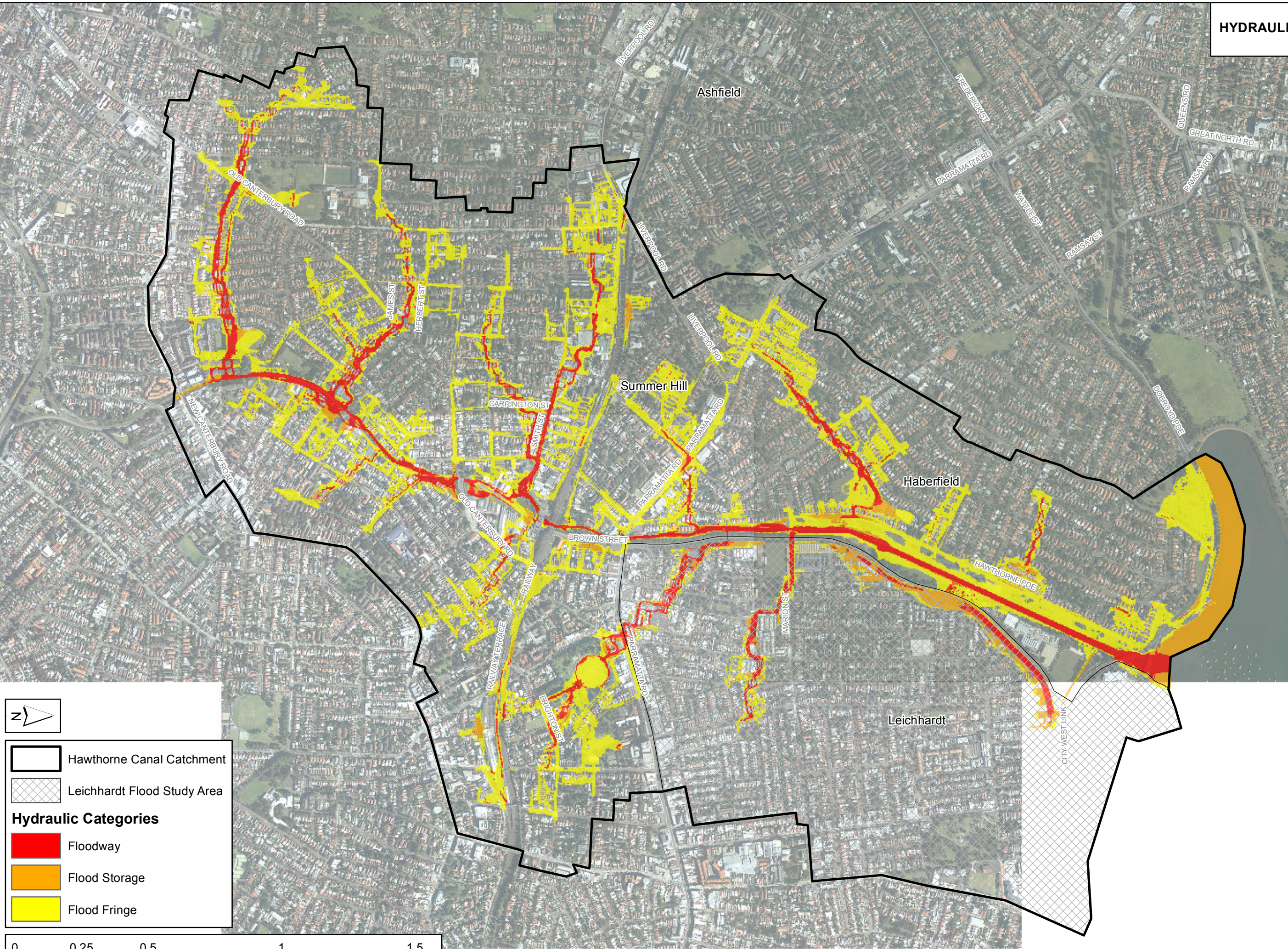
J:\Jobs\116043\ B_Hawthorne\ArcGIS\ArcMaps\Stage3_Report\Appendix B\Update_20190423\FigureB18_Hazard_PMF.mxd

FIGURE B19
HYDRAULIC CATEGORIES
0.2 EY EVENT



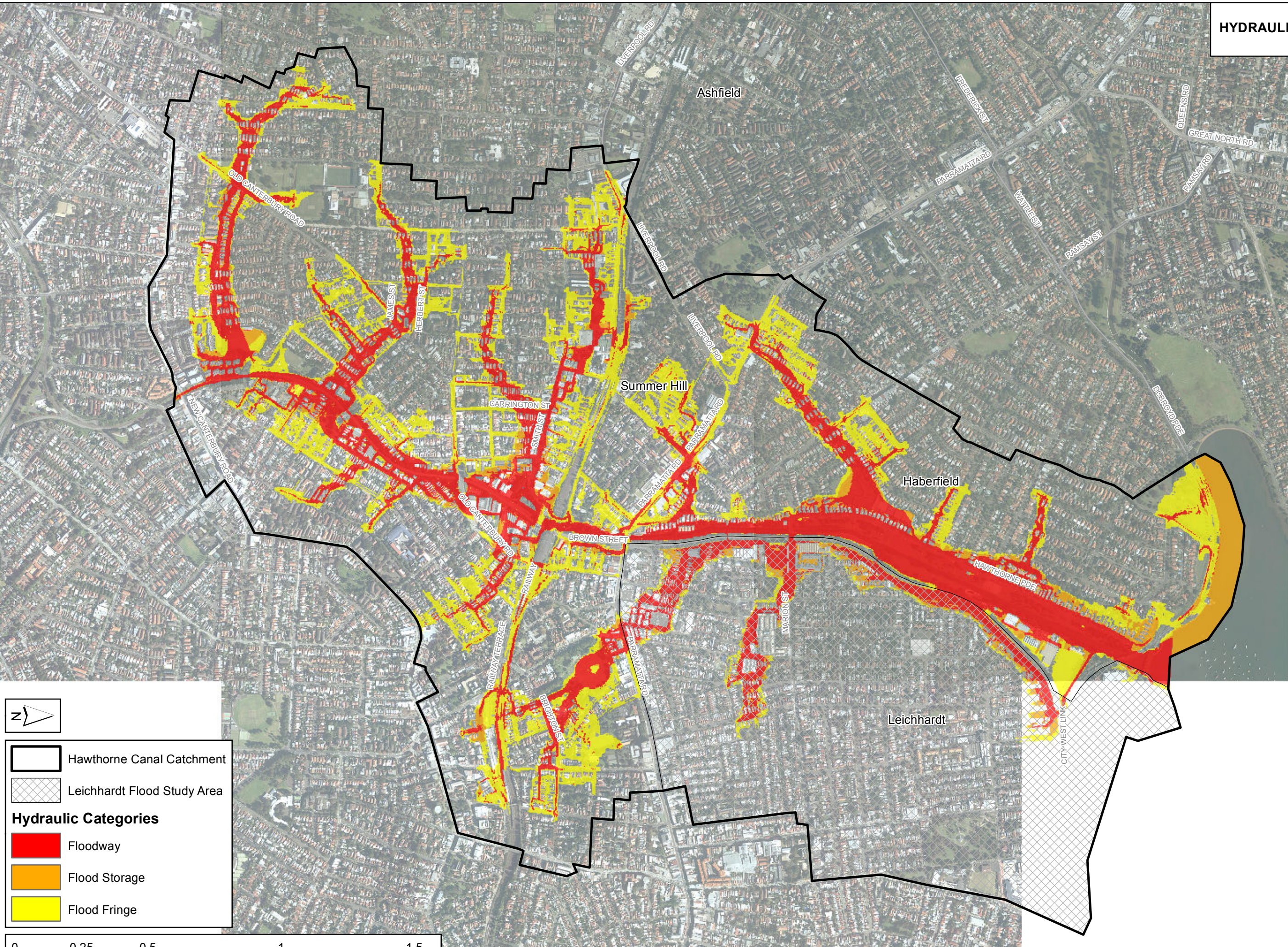
J:\Jobs\116043\ B_Hawthorne\ArcGIS\ArcMaps\Stage3_Report\Appendix B\Update 20190621\FigureB19 Hydraulic Category 0.2EY.mxd

FIGURE B20
HYDRAULIC CATEGORIES
1% AEP EVENT



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FIGURE B21
HYDRAULIC CATEGORIES
PMF EVENT



Hawthorne Canal Catchment

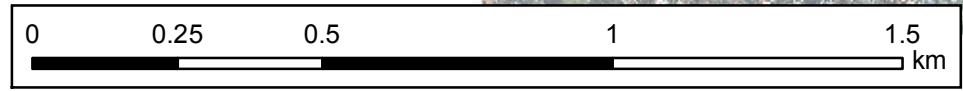
Leichhardt Flood Study Area

Hydraulic Categories

Floodway

Flood Storage

Flood Fringe



J:\Jobs\116043\ B_Hawthorne\ArcGIS\ArcMaps\Stage3_Report\Appendix B\Update 20190621\FigureB22_FirstFloor.mxd

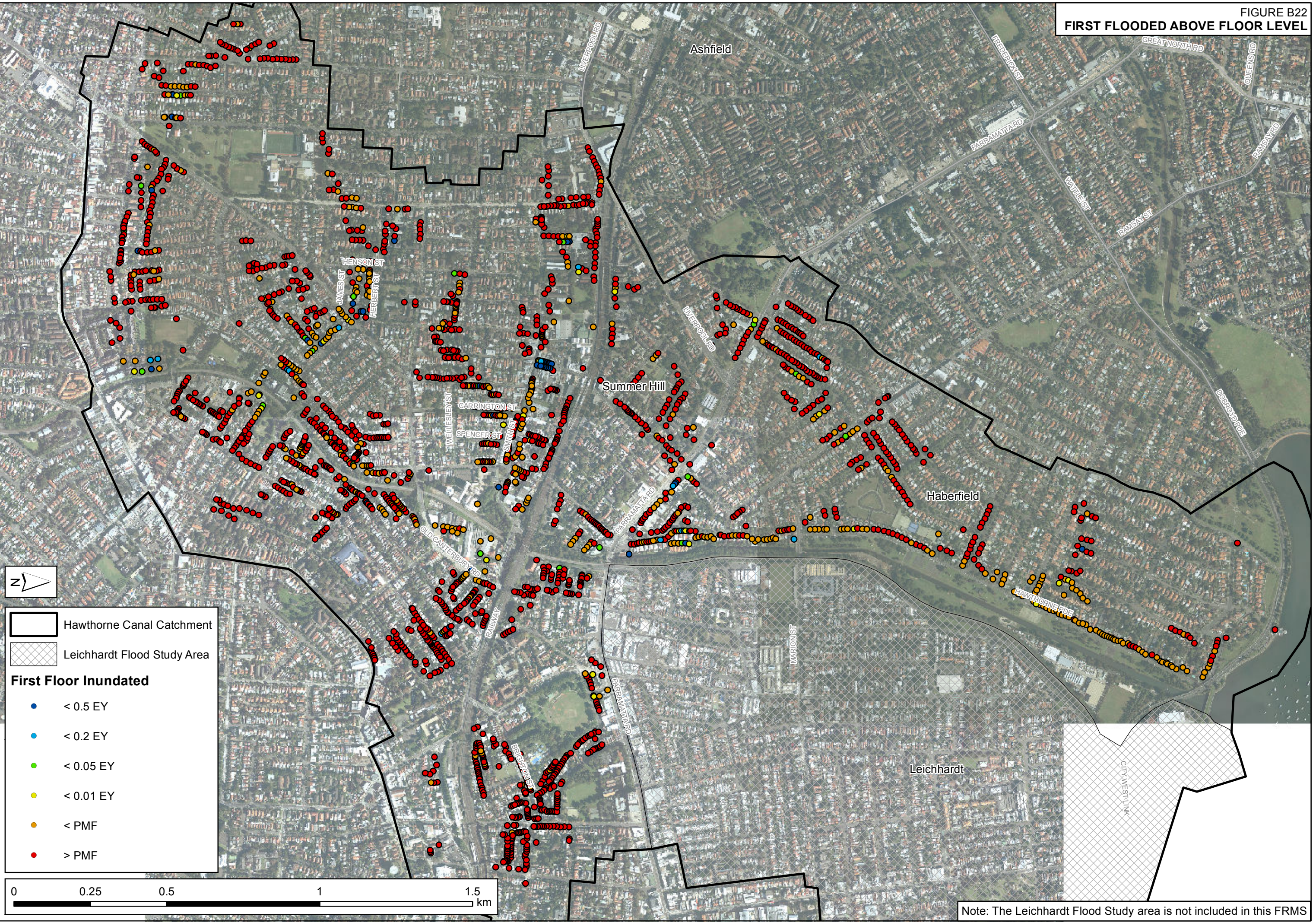
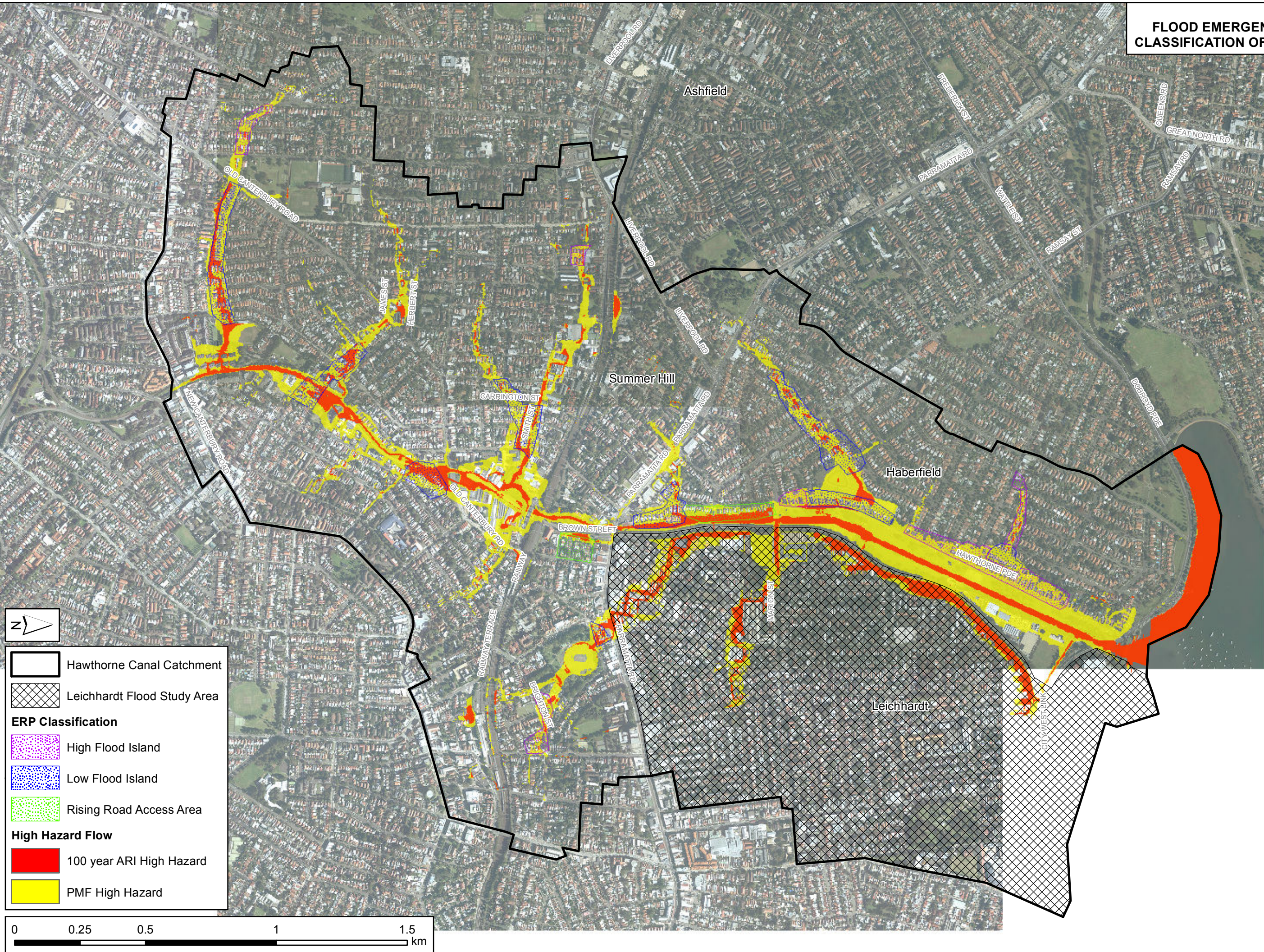


FIGURE B22
FIRST FLOODED ABOVE FLOOR LEVEL

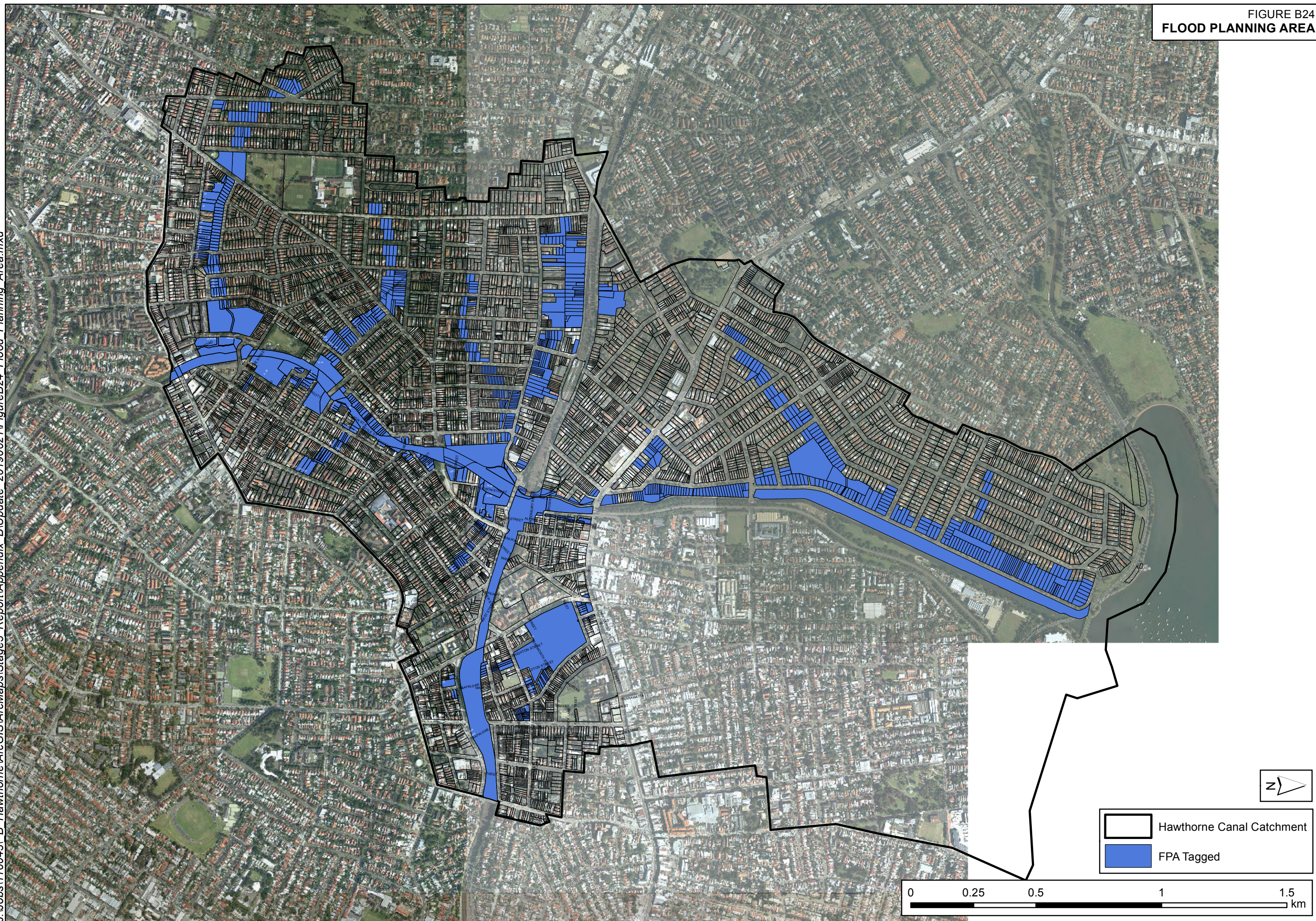
Note: The Leichhardt Flood Study area is not included in this FRMS

FIGURE B23
FLOOD EMERGENCY RESPONSE
CLASSIFICATION OF COMMUNITIES



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FIGURE B24
FLOOD PLANNING AREA



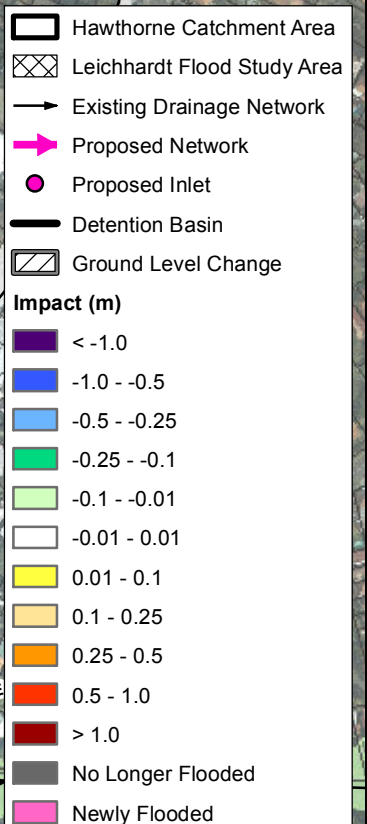
0.2 EY FLOOD EVENT

FIGURE B25
OPTION FM0403A & FM0403B
PEAK FLOOD LEVEL IMPACT
GROSVENOR CRESCENT AND SMITH STREET FLOWPATH
PIPE UPGRADE AND DETENTION BASIN
SUMMER HILL

Option Description

This option proposes to increase the pipe size to 600mm under the rail embankment from Grosvenor Crescent to Carlton Crescent. A levee wall is also proposed along the eastern side of the tennis courts adjacent to the NSW Ambulance Site. Further, increases in existing ground levels along the pedestrian footpath (between the IGA and the NSW Ambulance site) will form an above-ground detention basin in Darrell Jackson Gardens skatepark and tennis courts. The aim is to alleviate flooding in Grosvenor Crescent and the downstream flowpath along Smith Street.

1% AEP FLOOD EVENT



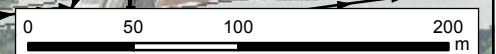
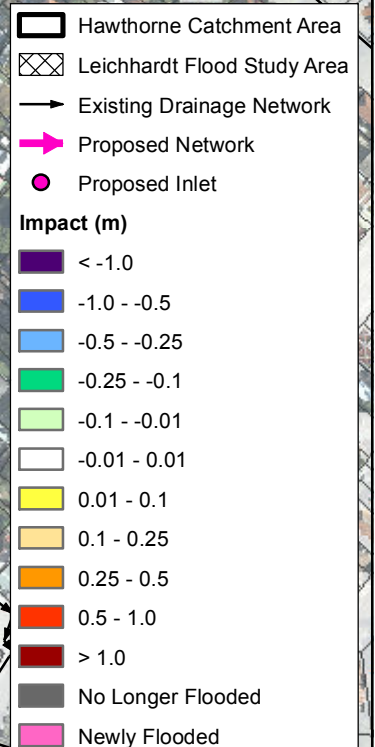
0.2 EY FLOOD EVENT

FIGURE B26
OPTION FM0404C
PEAK FLOOD LEVEL IMPACT
NOWRANIE STREET TO HAWTHORNE CANAL
DRAINAGE UPGRADE
SUMMER HILL

Option Description

This option proposes the duplication of the existing Council drainage network system between Morris Street and Hawthorne Canal. The duplication is proposed to commence upstream of Nowranie Street at Morris Street, and follow the existing easement through properties from Morris Street through to Carrington Street. From here, the pipeline continues beneath the road, heading north along Carrington Street then east along Smith Street to Hawthorne Canal. The aim is to divert additional runoff into the stormwater pipe to reduce flooding along the overland flowpath.

1% AEP FLOOD EVENT

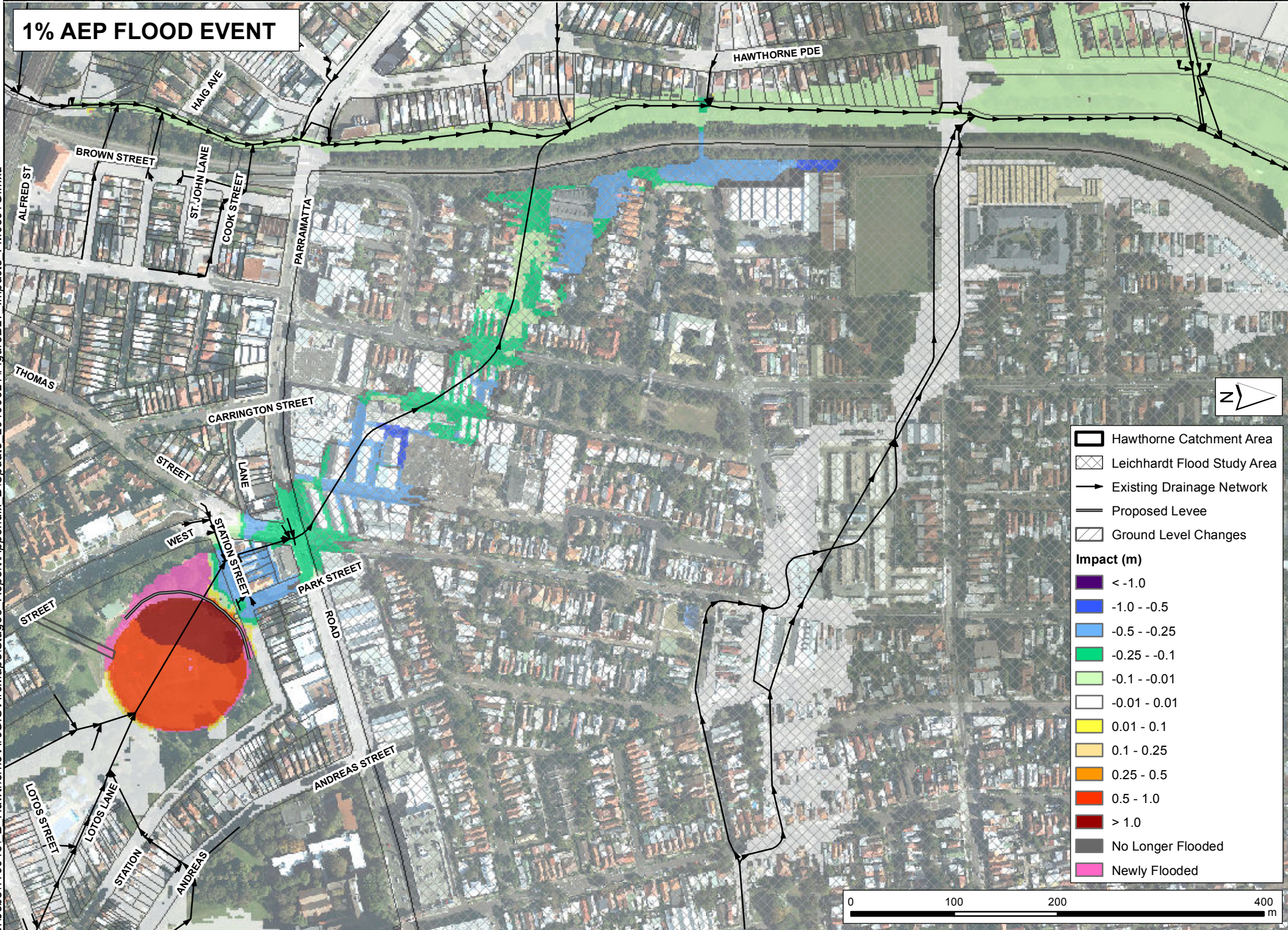


0.2 EY FLOOD EVENT

FIGURE B27
OPTION FM0501G
PEAK FLOOD LEVEL IMPACT
PETERSHAM PARK ABOVE GROUND DETENTION BASIN
PETERSHAM



1% AEP FLOOD EVENT

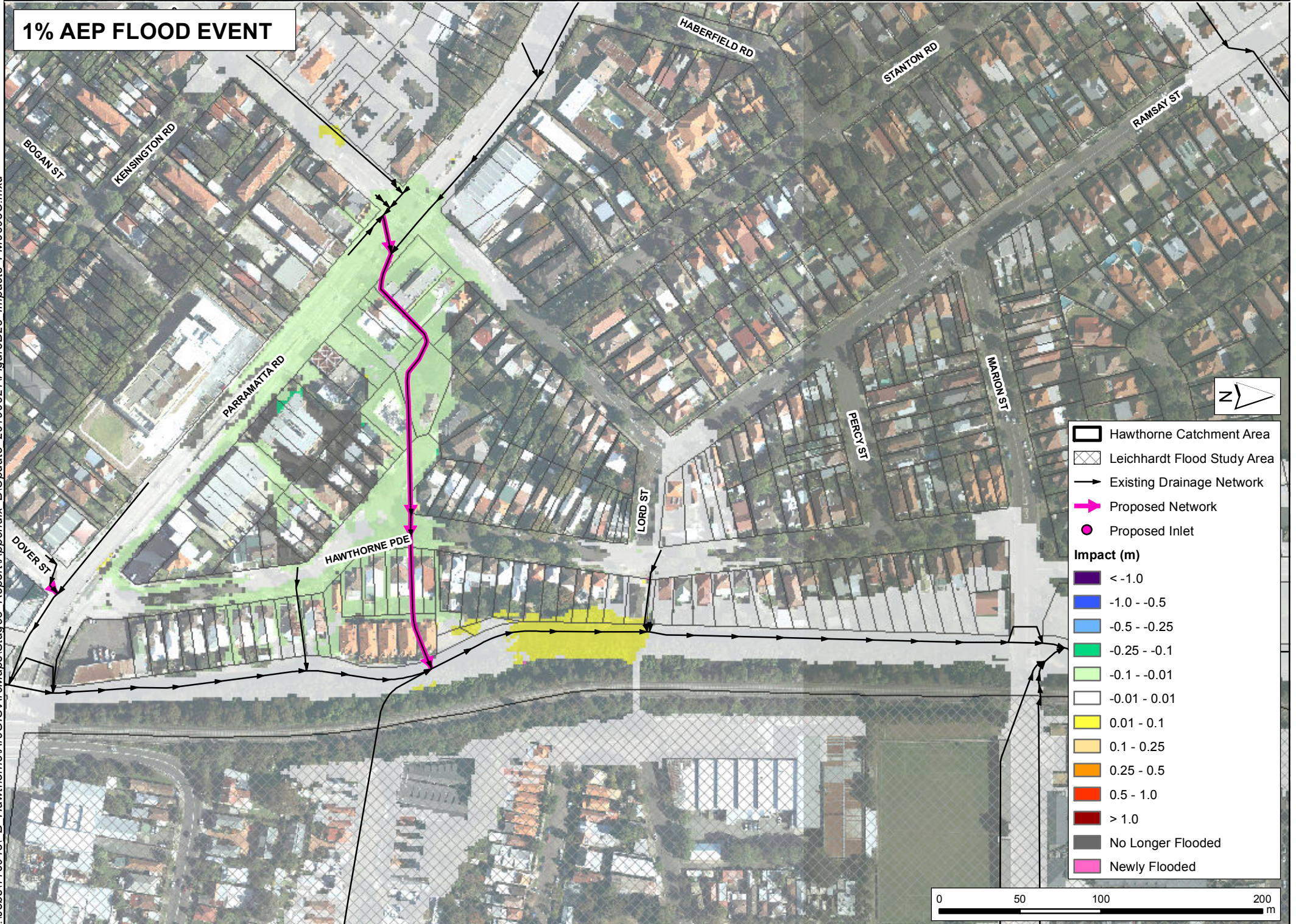


0.2 EY FLOOD EVENT

FIGURE B28
OPTION FM0605C
PEAK FLOOD LEVEL IMPACT
SLOANE STREET DRAINAGE UPGRADE
SUMMER HILL



1% AEP FLOOD EVENT



0.2 EY FLOOD EVENT

FIGURE B29
OPTION FM0702A
PEAK FLOOD LEVEL IMPACT
WARATAH STREET TO CITY WEST LINK HAWTHORNE CANAL UPGRADE
HABERFIELD

Option Description
This option proposes a levee at 2 m AHD along the existing shared path (north side of Hawthorne Canal) from Waratah Street to City West Link. This will allow greater capacity of Hawthorne Canal and reduce out-of-bank flooding.

1% AEP FLOOD EVENT



 Hawthorne Catchment Area

 Leichhardt Flood Study Area

 Proposed Levee

Impact (m)

	< -1.0
	-1.0 - -0.5
	-0.5 - -0.25
	-0.25 - -0.1
	-0.1 - -0.01
	-0.01 - 0.01
	0.01 - 0.1
	0.1 - 0.25
	0.25 - 0.5
	0.5 - 1.0
	> 1.0
	No Longer Flooded
	Newly Flooded

0

50

100

200

m