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1 in X AEP

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\Uobs\113031_Stage4\ArcGIS\ArcMap\Interim_FS\Main_Report\Final_190716\Figure08_Hydrologic_mod





ID	BOUNDARY AND INFLOW DESCRIPTION
1	Nepean Inflow
2	Warragamba Dam Inflow
3	DS Warragamba Dam
4	Erskine Creek Inflow
5	Mulgoa Creek Inflow
6	Glenbrook Creek Inflow
7	Penrith Lakes
8	Grose River Inflow
9	Hawksebury River at Redbank Creek
10	Rickabys Creek Inflow
11	South Creek Upstream
12	Eastern Creek Inflow
13	South Creek Downstream
14	Wilberforce
15	Cattai Creek Inflow
16	Little Cattai Creek Inflow
17	Howes Creek Inflow
18	Colo River Inflow
19	Gorge Local Flows
20	Webbs Creek Inflow
21	Macdonald River Inflow
22	Downstream of Wisemans Ferry
23	Mangrove Creek Inflow
24	Berowra Creek Inflow
25	Mooney Mooney Creek Inflow
26	Ocean Boundary





WMA water HAWKESBURY-NEPEAN VALLEY REGIONAL FLOOD STUDY FINAL REPORT JULY 2019

FIGURE 10 SPATIAL PATTERN DISTRIBUTION

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FIGURE 11 TEMPORAL PATTERNS J:\Jobs\113031_Stage4\Excel\Interim_FS\Figure12_ARF.xlsx





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FIGURE 15 **FLOOD EXTENTS FLOODPLAIN AREA**

Notes: The mapped flood information represents Hawkesbury-Nepean mainstream regional flooding including backwater effects, but does not include local catchment flooding or local overland flooding.

Flood behaviour information is subject to change as a result of new data, methods and technology.

The mapped flood information excludes the impacts of climate change and implementation of potential flood mitigation measures.

Any flooding information within the banks of rivers or streams should not be used for any assessment (other than flood extents) without detailed investigation.

Flood mapping over Penrith Lakes is indicative only as the flood modelling does not incorporate the latest infrastructure of the Penrith Lakes Scheme.

The Nepean River Flood Study may provide more detailed analysis of flood behaviour in the area shown.

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1 in 100 AEP PMF 0 2.5 5 10 15 20	Flood Extent							
0 2.5 5 10 15 20	1 in 100 AEP PMF							
	0 2.5 5 10 15 20							



FIGURE 16 FLOOD EXTENTS **RICHMOND-WINDSOR**

PITT TOWN Grad

MCGRATHS HILL

1

2



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FIGURE 19 FLOOD DEPTHS **1 IN 5 AEP EVENT FLOODPLAIN AREA**

Notes: The mapped flood information represents Hawkesbury-Nepean mainstream regional flooding including backwater effects, but does not include local catchment flooding or local overland flooding.

Flood behaviour information is subject to change as a result of new data, methods and technology.

The mapped flood information excludes the impacts of climate change and implementation of potential flood mitigation measures.

Any flooding information within the banks of rivers or streams should not be used for any assessment (other than flood extents) without detailed investigation. Flood depths are indicative only. To determine the depth of flooding at a particular location, the flood level should be compared to a surveyed ground level.

Flood mapping over Penrith Lakes is indicative only as the flood modelling does not incorporate the latest infrastructure of the Penrith Lakes Scheme.

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0 2.5	5	10	15	20 km			





HAWKESBURY-NEPEAN VALLEY REGIONAL FLOOD STUDY FINAL REPORT JULY 2019

Wma water

SILVERDALE

Allendelle Ra

WALLA

Notes: The mapped flood information represents Hawkesbury-Nepean mainstream regional flooding including backwater effects, but does not include local catchment flooding or local overland flooding.

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Flooding at Wallacia is complex due to the joint probabilty of flooding from the Nepean and Warragamba Rivers. This study uses a simplified hydrologic approach and the mapping is based on a 1d hydraulic model.



Park Rd

GREENDALE