
Appendix H

Flooding technical information

Appendix H Flooding technical information

This appendix provides updated flood mapping which incorporates the proposed design refinements to Westmead metro station, described in Chapter 2 (Environmental Impact Statement clarifications) of this Submissions Report.

Of relevance to the flooding assessment, the proposed refinements include:

- a new metro station entry from Hawkesbury Road (to the south of Alexandra Avenue),
- regrading of the road surface of Alexandra Avenue (between Hawkesbury Road and Hassall Street) to enable an accessible connection between bus stops and the metro station entry.

The 'with proposal' flood maps and the 'impact assessment' flood maps for Westmead metro station provided in Appendix B and Appendix C respectively of Technical Paper 8 (Hydrology, flooding and water quality) of the Environmental Impact Statement have been updated to reflect flood modelling results which include the proposed refinements.

Maps which present the baseline flooding environment are provided in Appendix A (Baseline environment flood maps) of Technical Paper 8 (Hydrology, flooding and water quality) of the Environmental Impact Statement.



Legend

	Station Buildings	Flood Depth (m AHD)		0.2 - 0.3		0.75 - 1
	WSL Major Contours (0.5m)		<0.01			1 - 1.5
	WSL Major Contours (0.1m)		0.01 - 0.1			1.5 - 2
			0.1 - 0.2			>2

TITLE

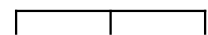
Figure B-1
5% AEP Climate Change with Proposal
Flood Depth

PROJECT

EDS-SWM- Westmead



0 25 50 m



Date
19/07/2022

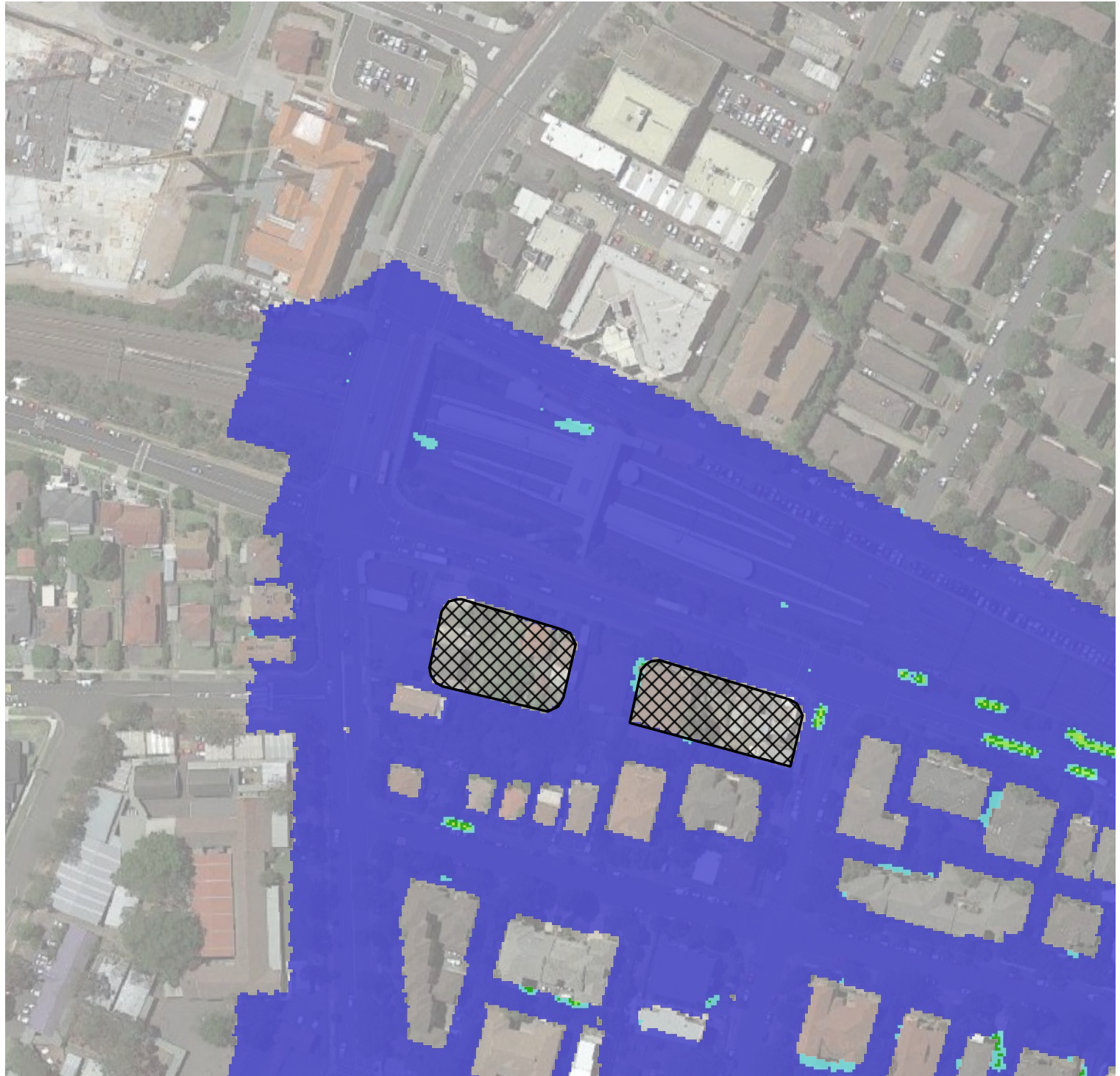
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Legend

	Station Buildings		H3
Flood Hazard			H4
	H1		H5
	H2		H6

TITLE

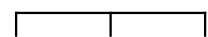
Figure B-2
5% AEP Climate Change with Proposal
Flood Hazard

PROJECT

EDS-SWM- Westmead



0 25 50 m



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Legend

	Station Buildings	Flood Depth (m AHD)		0.2 - 0.3		0.75 - 1
	WSL Major Contours (0.5m)		<0.01			1 - 1.5
	WSL Major Contours (0.1m)		0.01 - 0.1			1.5 - 2
			0.1 - 0.2			>2

TITLE

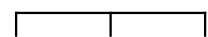
Figure B-3
1% AEP Climate Change with Proposal
Flood Depth

PROJECT

EDS-SWM- Westmead



0 25 50 m



Date
19/07/2022

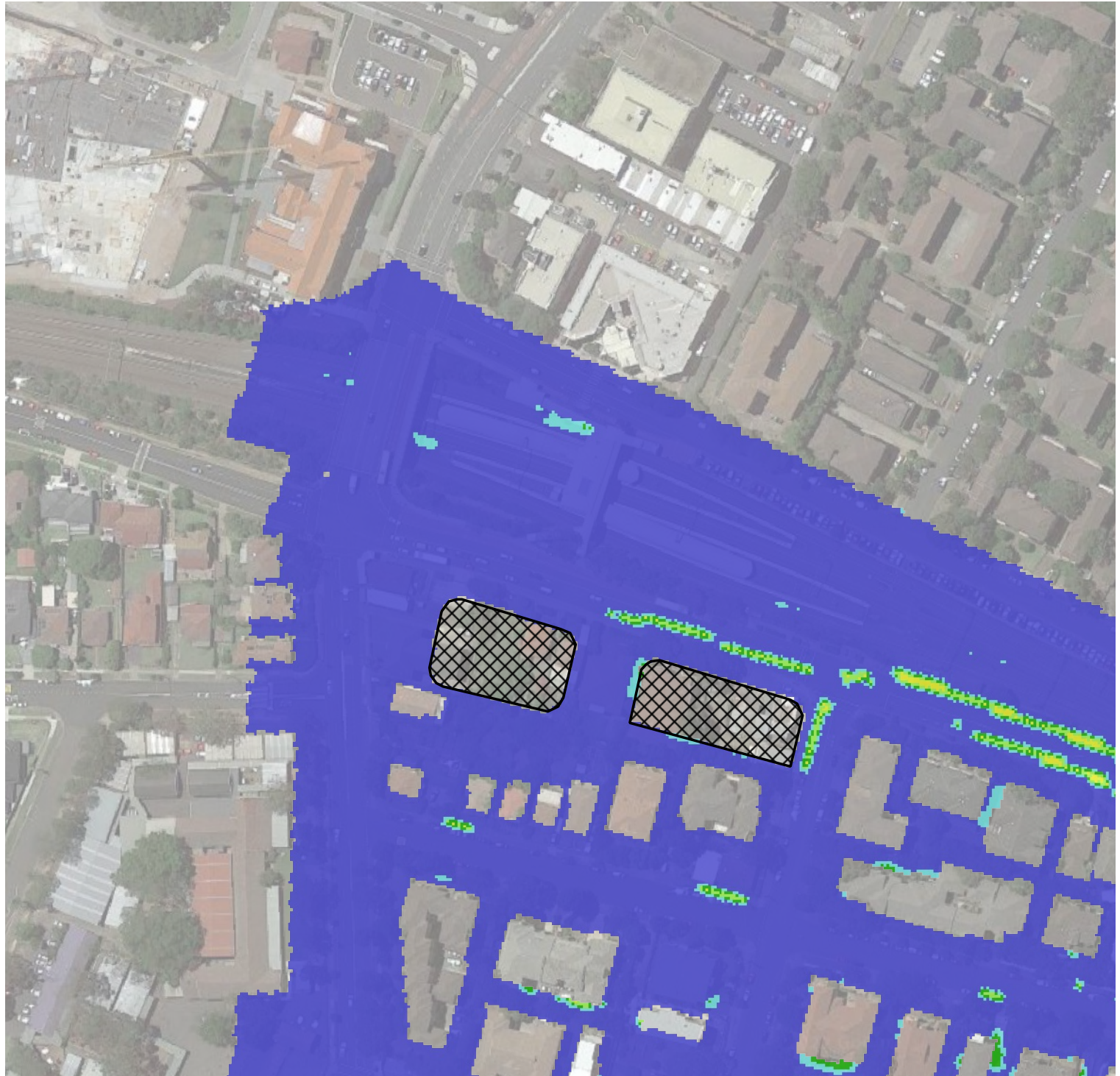
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Legend

	Station Buildings		H3
Flood Hazard			H4
	H1		H5
	H2		H6

TITLE

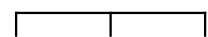
Figure B-4
1% AEP Climate Change with Proposal
Flood Hazard

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EDS-SWM- Westmead



0 25 50 m



Date
19/07/2022

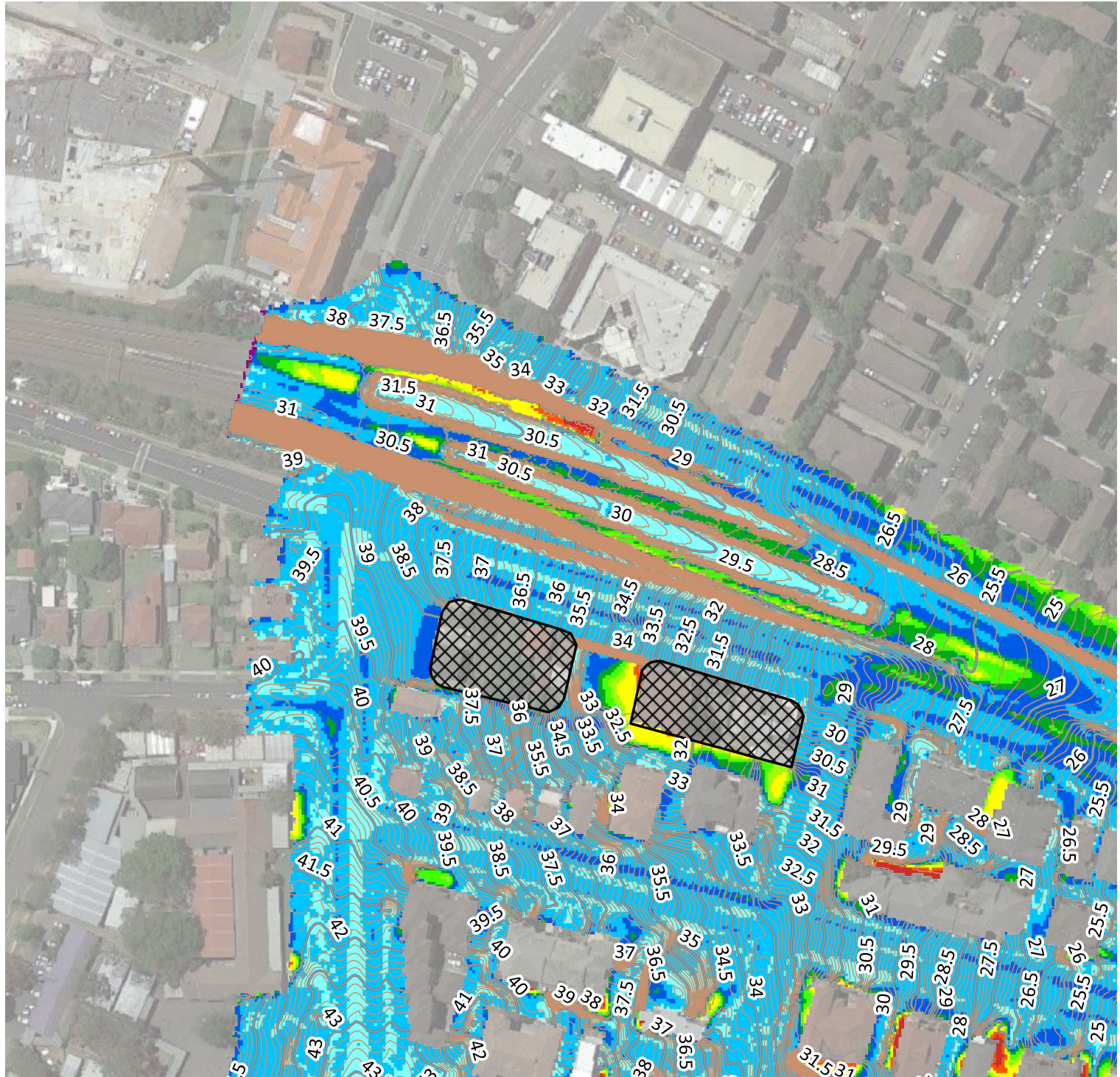
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Legend

	Station Buildings	Flood Depth (m AHD)		0.2 - 0.3		0.75 - 1
	WSL Major Contours (0.5m)		<0.01			1 - 1.5
	WSL Major Contours (0.1m)		0.01 - 0.1			1.5 - 2
			0.1 - 0.2			>2

TITLE

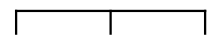
Figure B-5
PMF with Proposal Flood Depth

PROJECT

EDS-SWM- Westmead



0 25 50 m



Date
19/07/2022

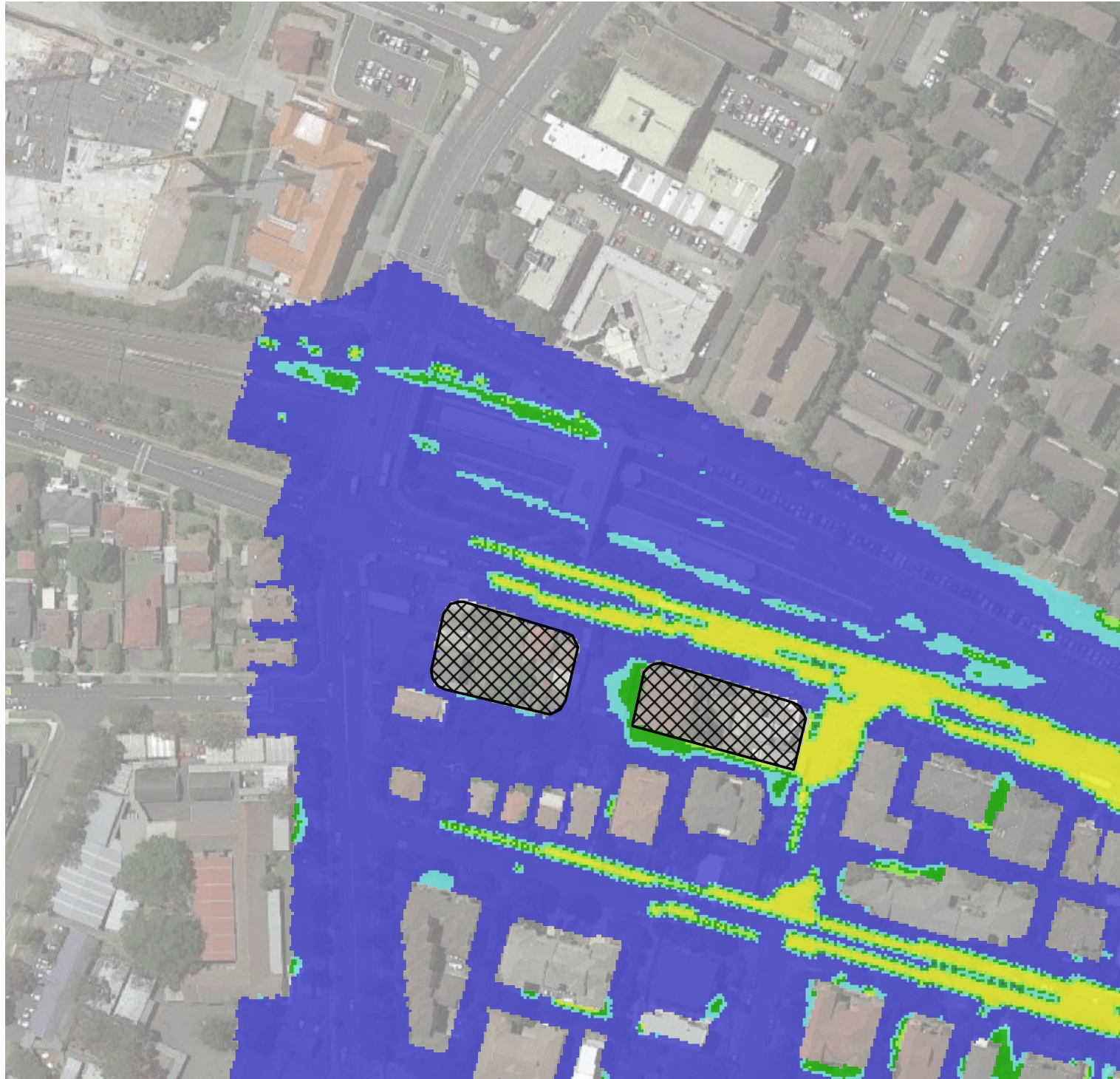
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Legend

	Station Buildings		H3
	H4		H5
	H1		H6
	H2		

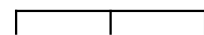
Flood Hazard

TITLE
Figure B-6
PMF with Proposal Flood Hazard

PROJECT
EDS-SWM- Westmead



0 25 50 m



Date
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Legend

	Station Buildings	Change in Water Level (m)		-0.01 - 0.01
	Construction site			0.01 - 0.05
	Decrease in Flood Extent			0.05 - 0.1
	Increase in Flood Extent			0.1 - 0.2
				0.2 - 0.3
				> 0.3

TITLE

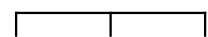
Figure C-1
5% AEP Climate Change with Proposal
Change in Water Level

PROJECT

EDS-SWM- Westmead



0 25 50 m



Date
20/07/2022

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Legend

	Station Buildings	Change in Water Level (m)		-0.01 - 0.01
	Construction site			0.01 - 0.05
	Decrease in Flood Extent			0.05 - 0.1
	Increase in Flood Extent			0.1 - 0.2
				0.2 - 0.3
				> 0.3

TITLE

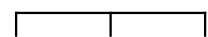
Figure C-2
1% AEP Climate Change with Proposal
Change in Water Level

PROJECT

EDS-SWM- Westmead



0 25 50 m



Date
20/07/2022

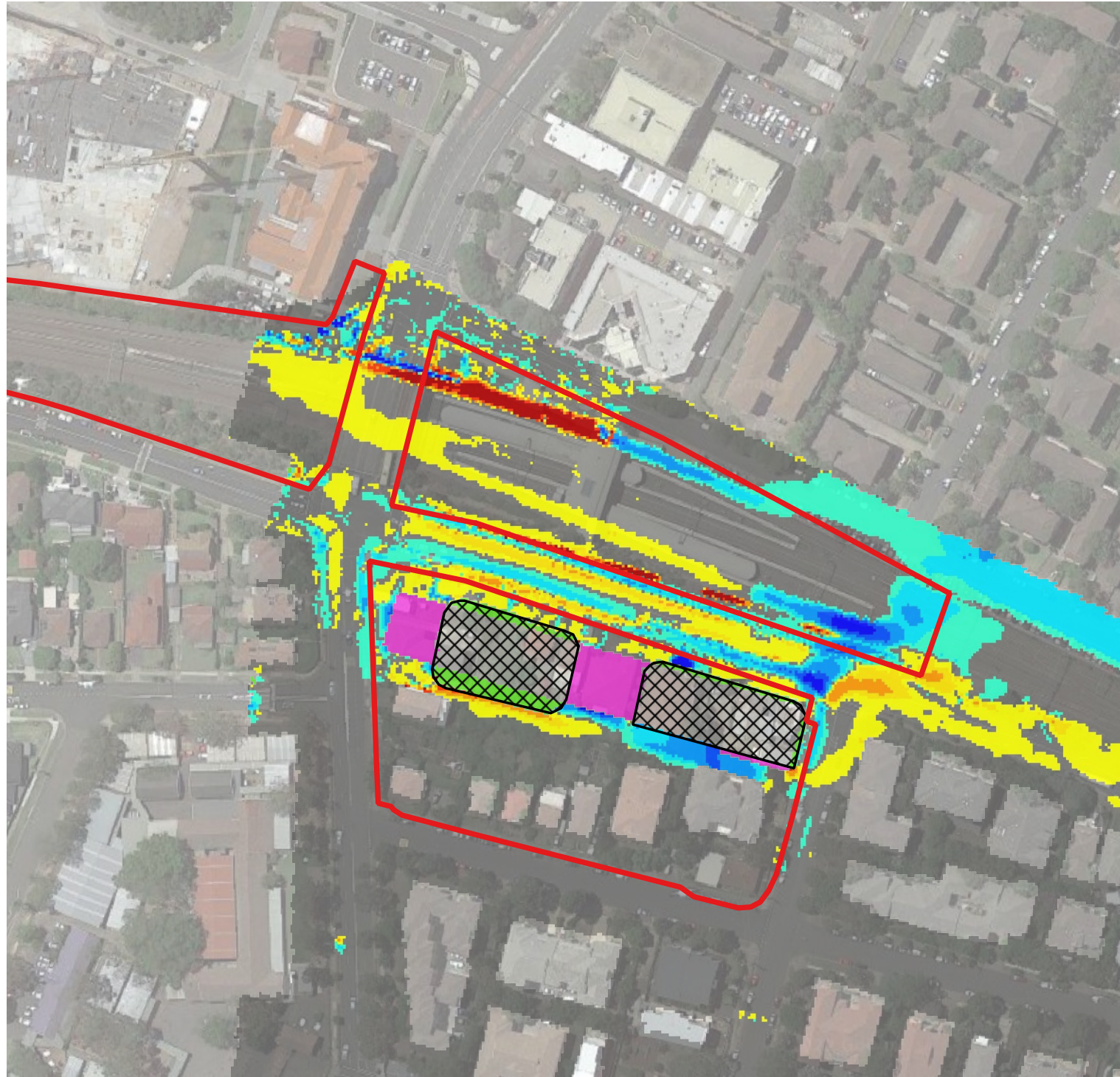
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Legend

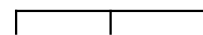
	Station Buildings	Change in Water Level (m)		-0.01 - 0.01
	Construction site			0.01 - 0.05
	Decrease in Flood Extent			0.05 - 0.1
	Increase in Flood Extent			0.1 - 0.2
				0.2 - 0.3
				> 0.3

TITLE
Figure C-3
PMF with Proposal Change in Water Level

PROJECT
EDS-SWM- Westmead



0 25 50 m



Date
20/07/2022

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