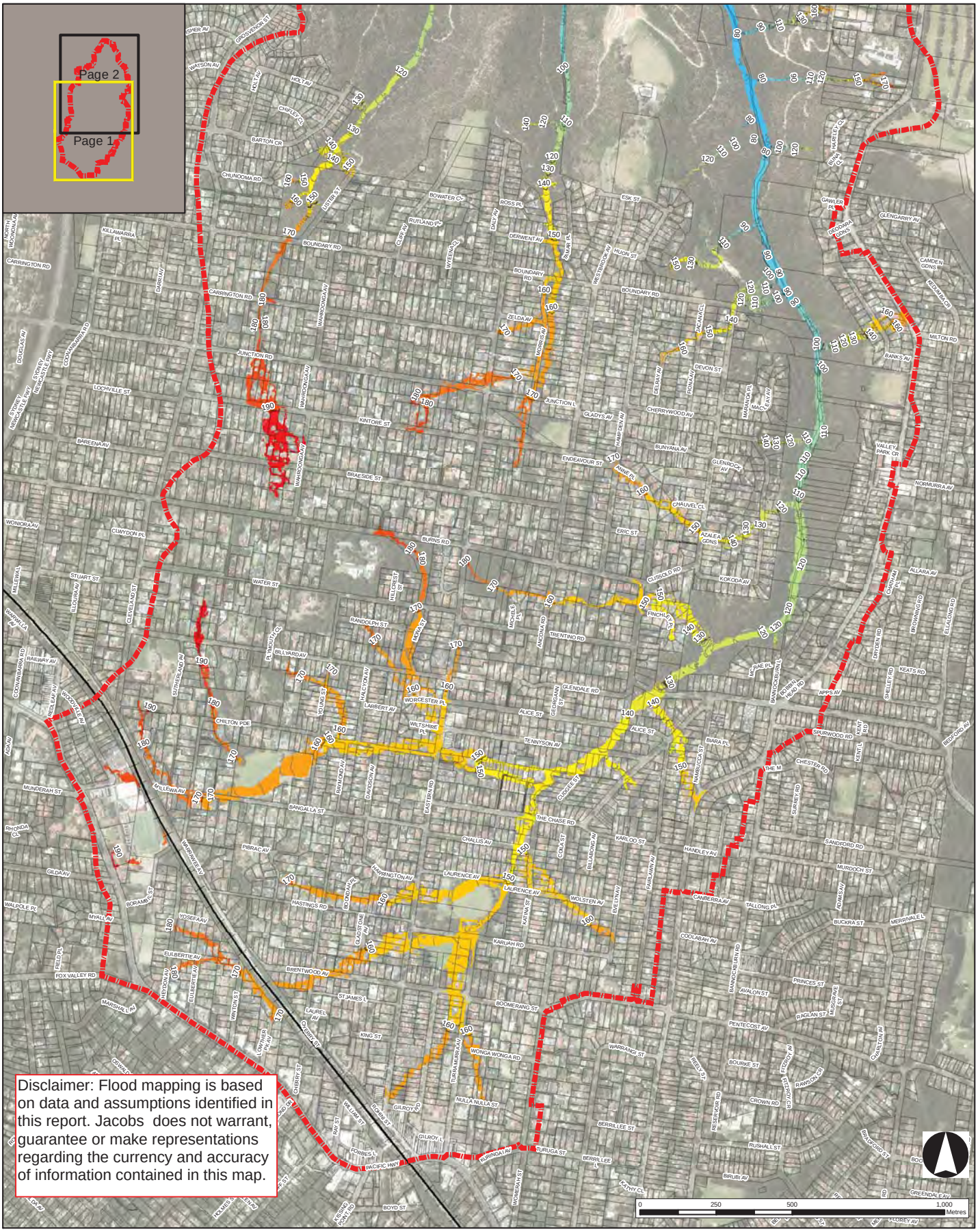
Appendix E. Flood Level Mapping



Legend

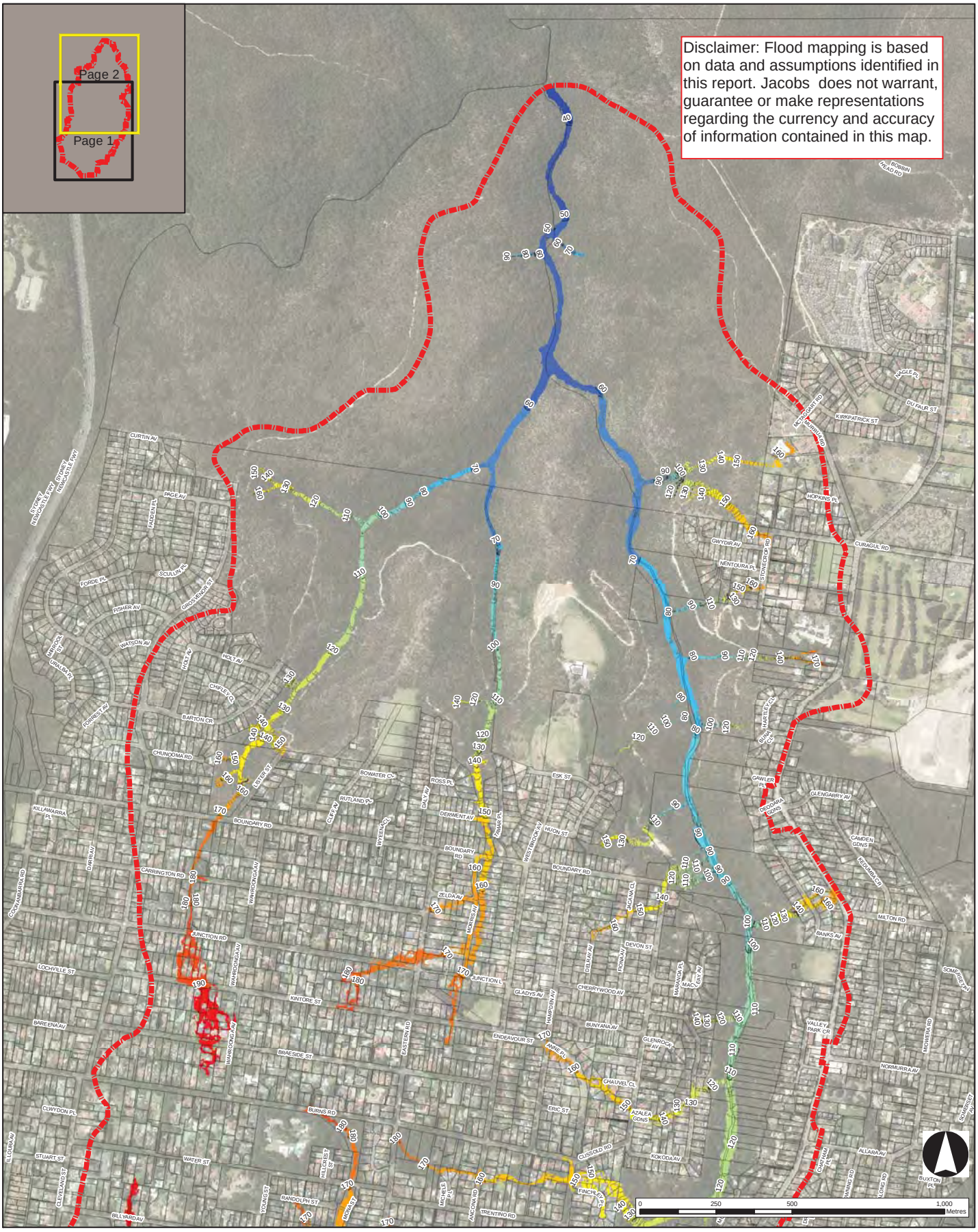
- Study area
- Cadastre
- Railway

Peak Flood Level (m AHD)

- 30 - 40
- 40 - 50
- 50 - 60
- 60 - 70
- 70 - 80
- 80 - 90
- 90 - 100
- 100 - 110
- 110 - 120
- 120 - 130
- 130 - 140
- 140 - 150
- 150 - 160
- 160 - 170
- 170 - 180
- 180 - 190
- 190 - 200
- Flood Level Contour (10m Interval)
- Flood Level Contour (1m Interval)

JACOBS

SHEET	Page 1 of 2	GDA 1994 MGA Zone 56	
TITLE	5% AEP Event Peak Flood Level		
PROJECT	Lovers Jump Creek Flood Study Review		
DRAWN LC	PROJECT # IA159900	MAP # Map E-1	REV VER 1 1
CHECK AH	DATE 21/02/2018		1:12,000 | A3



Legend

- Study area
- Cadastre
- Railway

Peak Flood Level (m AHD)

- 30 - 40
- 40 - 50
- 50 - 60
- 60 - 70
- 70 - 80
- 80 - 90
- 90 - 100
- 100 - 110
- 110 - 120
- 120 - 130
- 130 - 140
- 140 - 150
- 150 - 160
- 160 - 170
- 170 - 180
- 180 - 190
- 190 - 200
- Flood Level Contour (10m Interval)
- Flood Level Contour (1m Interval)

JACOBS

SHEET	Page 2 of 2	GDA 1994 MGA Zone 56
TITLE	5% AEP Event Peak Flood Level	
PROJECT	Lovers Jump Creek Flood Study Review	

DRAWN	PROJECT #	MAP #	REV	VER
LC	IA159900	Map E-1	1	1
CHECK	DATE			
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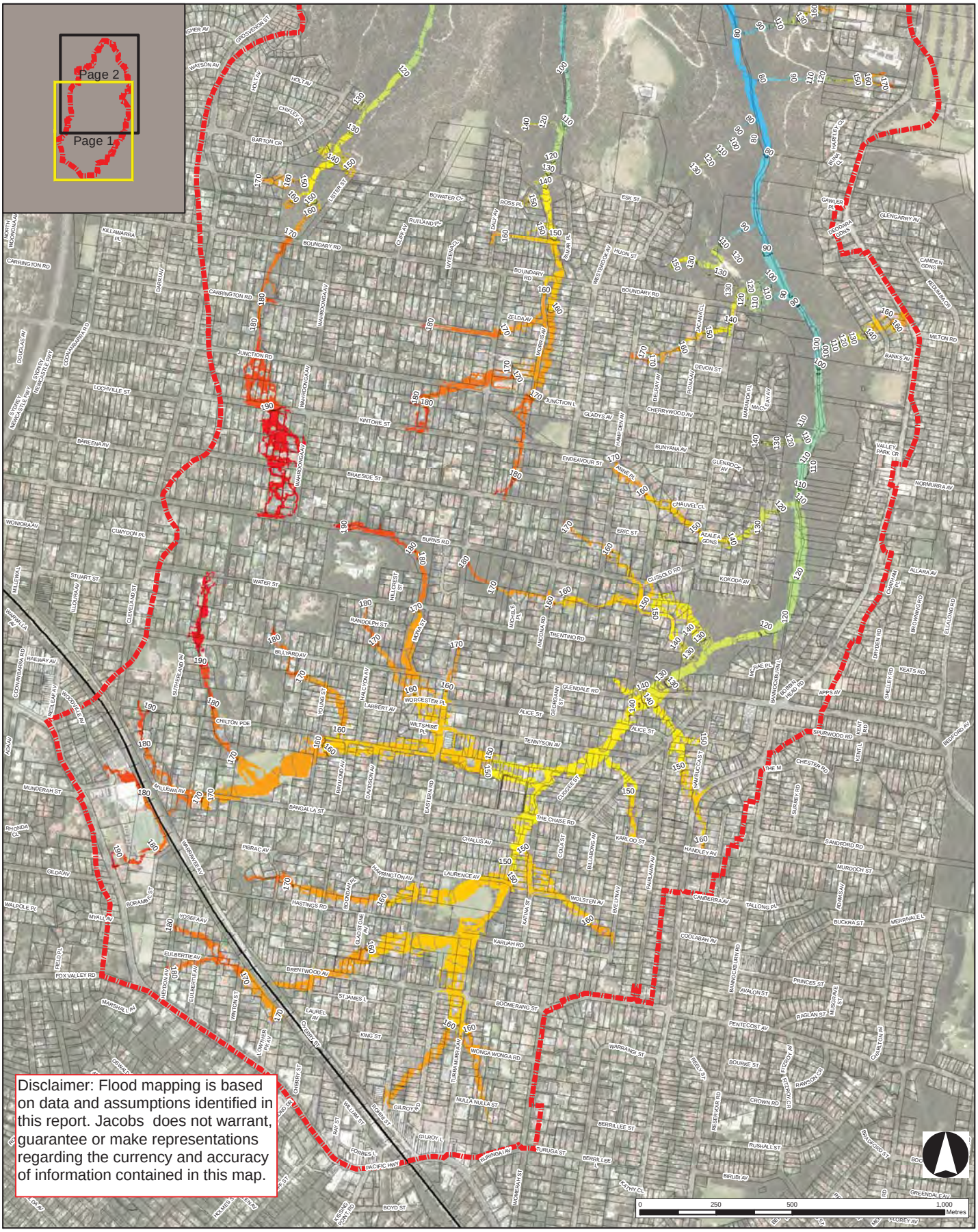


Legend

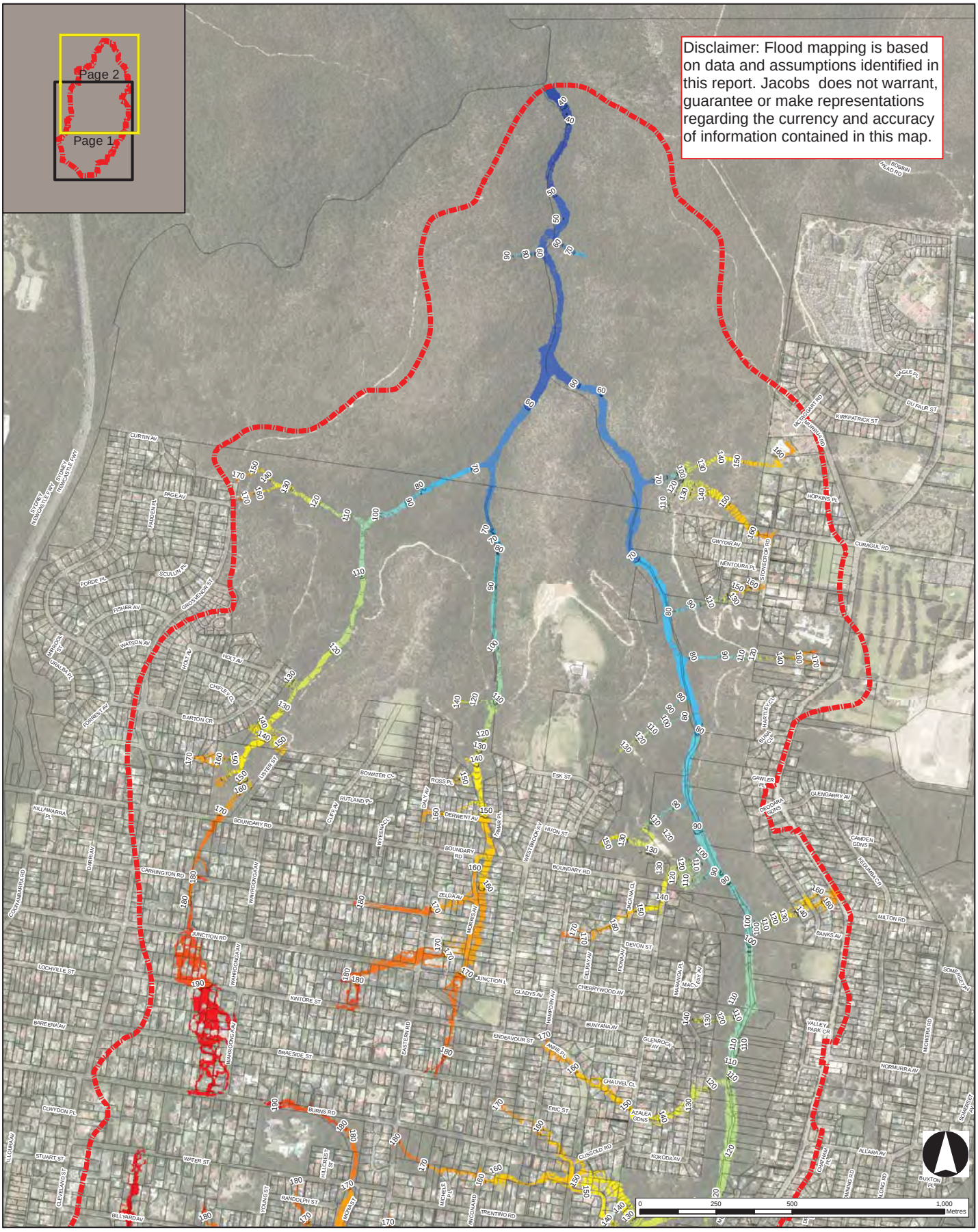
- Study area
- Cadastre
- Railway

Peak Flood Level (m AHD)

- 30 - 40
- 40 - 50
- 50 - 60
- 60 - 70
- 70 - 80
- 80 - 90
- 90 - 100
- 100 - 110
- 110 - 120
- 120 - 130
- 130 - 140
- 140 - 150
- 150 - 160
- 160 - 170
- 170 - 180
- 180 - 190
- 190 - 200
- Flood Level Contour (10m Interval)
- Flood Level Contour (1m Interval)

JACOBS

SHEET	Page 1 of 2		GDA 1994 MGA Zone 56
TITLE	1% AEP Event Peak Flood Level		
PROJECT	Lovers Jump Creek Flood Study Review		
DRAWN LC	PROJECT # IA159900	MAP # Map E-2	REV VER 1 1
CHECK AH	DATE 21/02/2018		1:12,000 | A3



Legend

- Study area
- Cadastre
- Railway

Peak Flood Level (m AHD)

- 30 - 40
- 40 - 50
- 50 - 60
- 60 - 70
- 70 - 80
- 80 - 90
- 90 - 100
- 100 - 110
- 110 - 120
- 120 - 130
- 130 - 140
- 140 - 150
- 150 - 160
- 160 - 170
- 170 - 180
- 180 - 190
- 190 - 200
- Flood Level Contour (10m Interval)
- Flood Level Contour (1m Interval)

JACOBS

SHEET	Page 2 of 2	GDA 1994 MGA Zone 56
TITLE	1% AEP Event Peak Flood Level	
PROJECT	Lovers Jump Creek Flood Study Review	

DRAWN	PROJECT #	MAP #	REV	VER
LC	IA159900	Map E-2	1	1
CHECK	DATE			
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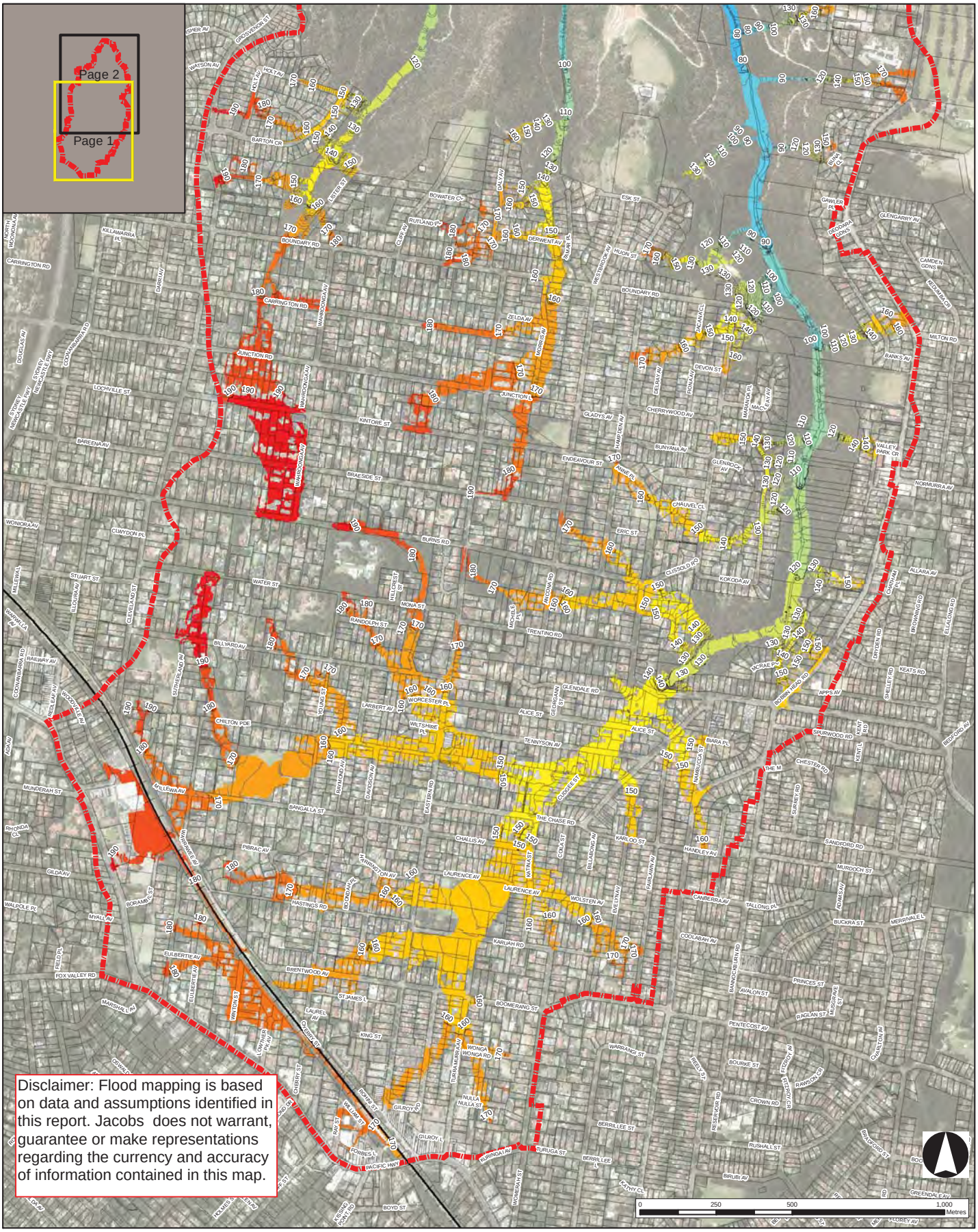


Legend

- Study area
- Cadastre
- Railway

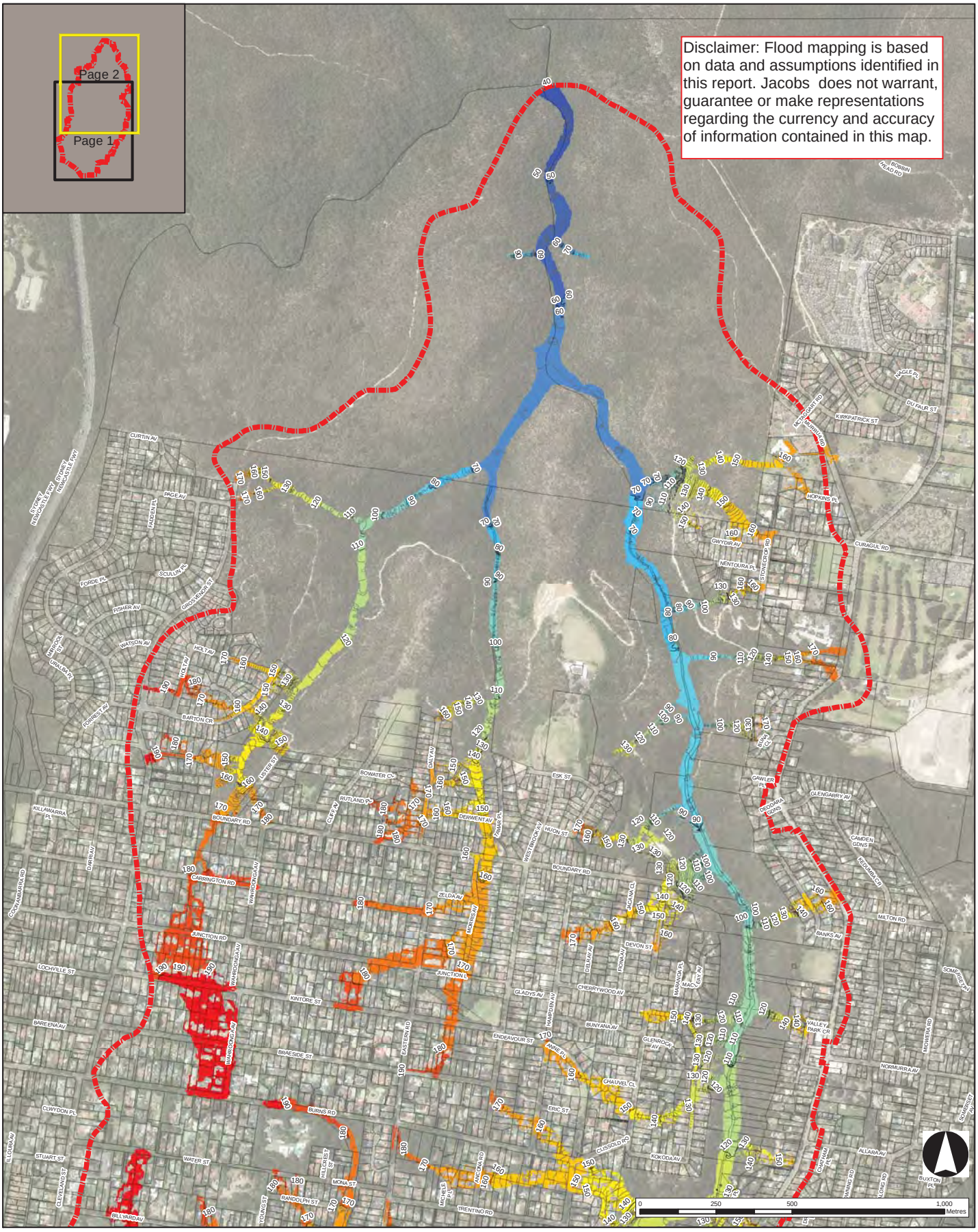
Peak Flood Level (m AHD)

- 30 - 40
- 40 - 50
- 50 - 60
- 60 - 70
- 70 - 80
- 80 - 90
- 90 - 100
- 100 - 110
- 110 - 120
- 120 - 130
- 130 - 140
- 140 - 150
- 150 - 160
- 160 - 170
- 170 - 180
- 180 - 190
- 190 - 200
- Flood Level Contour (10m Interval)
- Flood Level Contour (1m Interval)

JACOBS

SHEET	Page 1 of 2	GDA 1994 MGA Zone 56
TITLE	PMF Event Peak Flood Level	
PROJECT	Lovers Jump Creek Flood Study Review	

DRAWN	PROJECT #	MAP #	REV	VER
LC	IA159900	Map E-3	1	1
CHECK	DATE			
AH	21/02/2018		1:12,000 | A3	



Legend

- Study area
- Cadastre
- Railway

Peak Flood Level (m AHD)

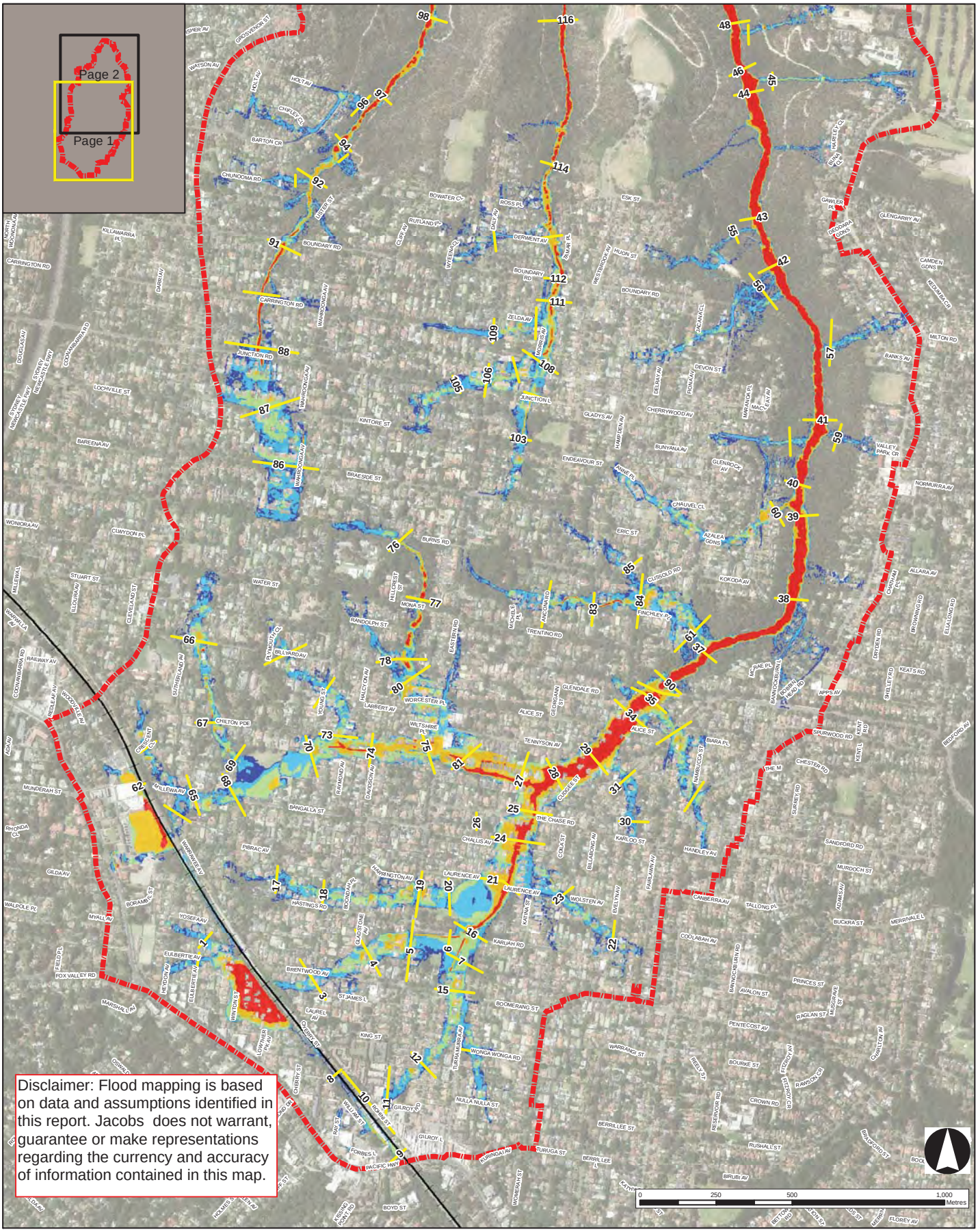
- 30 - 40
- 40 - 50
- 50 - 60
- 60 - 70
- 70 - 80
- 80 - 90
- 90 - 100
- 100 - 110
- 110 - 120
- 120 - 130
- 130 - 140
- 140 - 150
- 150 - 160
- 160 - 170
- 170 - 180
- 180 - 190
- 190 - 200
- Flood Level Contour (10m Interval)
- Flood Level Contour (1m Interval)

JACOBS

SHEET	**Page 2 of 2**	GDA 1994 MGA Zone 56
TITLE	PMF Event Peak Flood Level	
PROJECT	Lovers Jump Creek Flood Study Review	

DRAWN	PROJECT #	MAP #	REV	VER
LC	IA159900	Map E-3	1	1
CHECK	DATE			
AH	21/02/2018		1:12,000 | A3	

Appendix F. Summary of Peak Flows



Legend

- Study area
- Flow Summary Location
- Railway

Peak Flood Depth (m)

- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1.0
- 1.0 - 2.0
- > 2.0

JACOBS

SHEET	Page 1 of 2		GDA 1994 MGA Zone 56
TITLE	Flow Summary Locations and PMF Peak Flood Depth		
PROJECT	Lovers Jump Creek Flood Study Review		
DRAWN	PROJECT #	MAP #	REV VER
LC	IA159900	F-1	1 1
CHECK	DATE		
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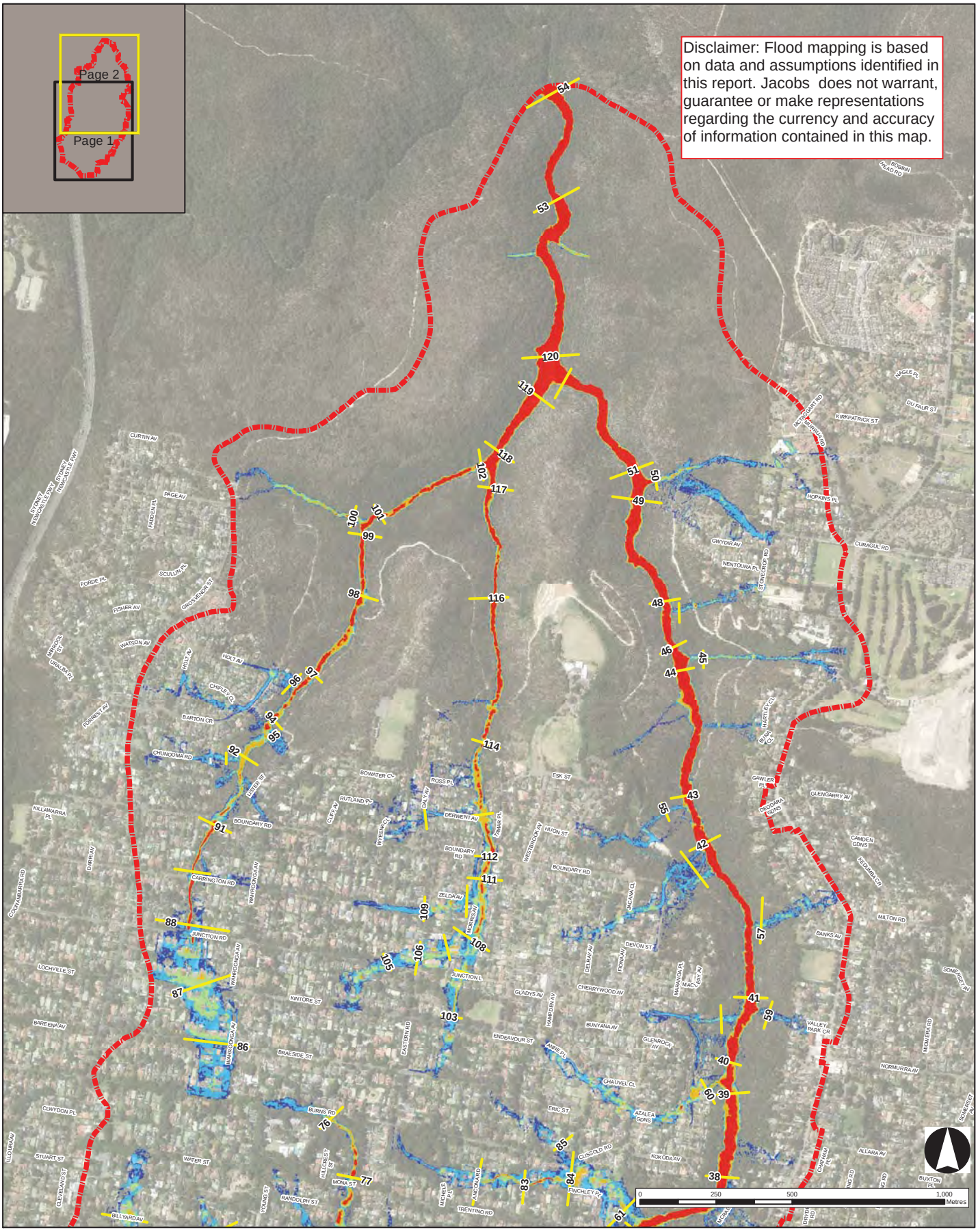

Legend

- Study area
- Flow Summary Location
- Railway

Peak Flood Depth (m)

- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1.0
- 1.0 - 2.0
- > 2.0

JACOBS

SHEET	Page 2 of 2		GDA 1994 MGA Zone 56
TITLE	Flow Summary Locations and PMF Peak Flood Depth		
PROJECT	Lovers Jump Creek Flood Study Review		
DRAWN LC	PROJECT # IA159900	MAP # F-1	REV 1 VER 1
CHECK AH	DATE 21/02/2018		1:12,000 | A3

Table F-1 Summary of Peak Flows, All Clear Blockage Scenario

ID	Overland, Pipe and Total Flows (m3/s)																	
	20%			10%			5%			2%			1%			PMF		
	2D	1D	Total	2D	1D	Total	2D	1D	Total	2D	1D	Total	2D	1D	Total	2D	1D	Total
1	0.64	0.51	1.15	0.79	0.53	1.32	1.01	0.58	1.56	1.16	0.61	1.76	1.40	0.64	2.02	7.14	0.70	7.78
2	0.74	0.67	1.42	1.03	0.71	1.73	1.32	0.72	2.03	1.54	0.73	2.27	1.84	0.75	2.59	9.39	0.80	10.19
3	1.42	3.59	5.01	2.13	3.68	5.81	2.62	3.72	6.33	3.07	3.74	6.74	3.63	3.76	7.30	9.94	4.01	13.61
4	2.35	3.68	5.98	3.36	3.79	7.12	4.40	3.88	8.26	5.59	3.92	9.46	6.81	3.95	10.70	22.52	4.09	26.45
5	0.49	5.37	5.86	1.78	5.68	7.46	2.94	5.86	8.80	4.34	5.99	10.31	5.83	6.08	11.89	27.12	6.50	33.59
6	5.80	0.00	5.80	7.42	0.00	7.42	8.85	0.00	8.85	10.48	0.00	10.48	12.11	0.00	12.11	36.95	0.00	36.95
7	6.68	0.00	6.68	8.00	0.00	8.00	9.61	0.00	9.61	11.17	0.00	11.17	12.97	0.00	12.97	46.91	0.00	46.91
8	0.00	0.00	0.03	0.06	0.00	0.06	0.08	0.00	0.08	0.12	0.00	0.12	0.16	0.00	0.16	0.85	0.00	0.85
9	0.36	0.00	0.36	0.52	0.00	0.52	0.77	0.00	0.77	0.93	0.00	0.93	1.14	0.00	1.14	8.36	0.00	8.36
10	0.11	1.15	1.25	0.14	1.24	1.37	0.17	1.33	1.49	0.20	1.39	1.58	0.23	1.47	1.69	1.22	1.81	2.99
11	0.37	1.44	1.73	0.49	1.55	1.95	0.65	1.64	2.18	0.75	1.69	2.38	0.90	1.75	2.59	4.84	1.91	6.63
12	0.30	1.87	2.14	0.48	1.94	2.43	0.75	1.99	2.73	1.06	2.00	3.06	1.56	2.00	3.56	9.44	2.03	11.45
13	0.78	0.27	1.00	0.98	0.27	1.20	1.29	0.27	1.52	1.48	0.27	1.71	1.72	0.27	1.94	7.01	0.28	7.26
14	0.84	0.79	1.63	1.15	0.81	1.96	1.54	0.83	2.36	1.89	0.84	2.72	2.33	0.85	3.15	11.86	0.94	12.76
15	3.12	3.20	6.30	4.33	3.23	7.54	5.72	3.25	8.93	7.09	3.26	10.32	8.58	3.26	11.81	42.21	3.30	45.27
16	11.93	0.00	11.93	13.81	0.00	13.81	17.27	0.00	17.27	21.15	0.00	21.15	25.14	0.00	25.14	89.05	0.00	89.05
17	0.85	0.12	0.97	1.03	0.13	1.15	1.35	0.14	1.46	1.53	0.15	1.64	1.79	0.16	1.90	7.17	0.22	7.13
18	1.50	0.91	2.39	1.93	0.92	2.84	2.41	0.93	3.34	2.91	0.94	3.84	3.55	0.95	4.49	16.24	1.03	17.27
19	1.51	2.18	3.68	2.21	2.35	4.56	3.09	2.51	5.59	3.93	2.65	6.58	4.77	2.80	7.57	27.75	3.65	31.32
20	1.37	2.17	3.44	2.11	2.35	4.42	2.99	2.50	5.47	3.82	2.66	6.44	4.69	2.80	7.49	27.60	3.63	31.21
21	13.77	2.17	15.94	16.45	2.34	18.65	21.04	2.48	23.27	26.68	2.65	29.18	32.19	2.76	34.88	121.75	3.58	125.22
22	0.46	0.00	0.46	0.60	0.00	0.60	0.79	0.00	0.79	0.96	0.00	0.96	1.15	0.00	1.15	5.52	0.00	5.52
23	1.15	0.88	1.95	1.54	0.98	2.48	1.95	1.05	2.97	2.32	1.11	3.41	2.85	1.15	3.98	15.18	1.43	16.61
24	18.60	0.00	18.60	21.42	0.00	21.42	25.95	0.00	25.95	32.74	0.00	32.74	39.28	0.00	39.28	147.86	0.00	147.86
25	19.45	0.00	19.45	22.50	0.00	22.50	27.22	0.00	27.22	34.14	0.00	34.14	40.77	0.00	40.77	156.11	0.00	156.11
26	0.15	0.00	0.15	0.20	0.00	0.20	0.26	0.00	0.26	0.30	0.00	0.30	0.35	0.00	0.35	1.51	0.00	1.51
27	17.91	0.00	17.91	21.88	0.00	21.88	27.43	0.00	27.43	34.30	0.00	34.30	40.97	0.00	40.97	162.13	0.00	162.13
28	36.76	0.00	36.76	44.41	0.00	44.41	55.00	0.00	55.00	68.72	0.00	68.72	82.08	0.00	82.08	317.72	0.00	317.72
29	37.01	0.00	37.01	44.76	0.00	44.76	55.26	0.00	55.26	68.90	0.00	68.90	82.32	0.00	82.32	317.93	0.00	317.93
30	0.48	0.41	0.89	0.59	0.45	1.03	0.75	0.51	1.26	0.84	0.54	1.37	1.00	0.57	1.56	5.02	0.64	5.66
31	0.78	0.90	1.63	1.09	0.91	1.96	1.51	0.92	2.38	1.82	0.92	2.71	2.31	0.92	3.17	11.77	0.95	12.59
32	0.64	0.97	1.61	0.95	1.00	1.94	1.41	1.02	2.40	1.75	1.04	2.76	2.24	1.05	3.27	12.23	1.14	13.35
33	1.53	2.39	3.88	2.30	2.55	4.84	3.16	2.72	5.87	4.05	2.87	6.92	4.99	3.04	8.03	29.36	3.91	33.27
34	38.36	0.00	38.36	46.47	0.00	46.47	57.19	0.00	57.19	71.06	0.00	71.06	84.64	0.00	84.64	326.12	0.00	326.12
35	40.55	39.00	79.05	49.48	40.70	90.18	60.58	42.55	103.05	75.07	44.47	119.53	89.44	45.68	135.12	349.78	55.15	404.93
36	1.83	0.00	1.83	8.30	0.00	8.30	17.74	0.00	17.74	30.54	0.00	30.54	43.77	0.00	43.77	296.63	0.00	296.63
37	41.30	0.00	41.30	50.61	0.00	50.61	62.82	0.00	62.82	77.24	0.00	77.24	91.43	0.00	91.43	362.69	0.00	362.69

Table F-1 Summary of Peak Flows, All Clear Blockage Scenario (cont')

ID	Overland, Pipe and Total Flows (m3/s)																	
	20%			10%			5%			2%			1%			PMF		
	2D	1D	Total	2D	1D	Total	2D	1D	Total	2D	1D	Total	2D	1D	Total	2D	1D	Total
38	45.86	0.00	45.86	56.30	0.00	56.30	68.72	0.00	68.72	84.50	0.00	84.50	99.92	0.00	99.92	408.30	0.00	408.30
39	46.60	0.00	46.60	57.27	0.00	57.27	69.83	0.00	69.83	85.92	0.00	85.92	101.73	0.00	101.73	418.24	0.00	418.24
40	49.08	0.00	49.08	59.91	0.00	59.91	72.17	0.00	72.17	89.77	0.00	89.77	106.39	0.00	106.39	442.41	0.00	442.41
41	50.83	0.00	50.83	61.68	0.00	61.68	75.34	0.00	75.34	92.49	0.00	92.49	109.40	0.00	109.40	461.45	0.00	461.45
42	57.59	0.00	57.59	68.53	0.00	68.53	83.42	0.00	83.42	101.12	0.00	101.12	119.26	0.00	119.26	503.57	0.00	503.57
43	58.17	0.00	58.17	69.26	0.00	69.26	84.35	0.00	84.35	102.35	0.00	102.35	120.44	0.00	120.44	508.53	0.00	508.53
44	60.12	0.00	60.12	71.65	0.00	71.65	87.08	0.00	87.08	106.15	0.00	106.15	124.40	0.00	124.40	530.94	0.00	530.94
45	1.08	0.00	1.08	1.32	0.00	1.32	1.62	0.00	1.62	1.89	0.00	1.89	2.19	0.00	2.19	9.72	0.00	9.72
46	62.03	0.00	62.03	73.76	0.00	73.76	88.99	0.00	88.99	109.27	0.00	109.27	127.77	0.00	127.77	553.70	0.00	553.70
47	0.83	0.00	0.83	1.01	0.00	1.01	1.22	0.00	1.22	1.47	0.00	1.47	1.57	0.00	1.57	6.98	0.00	6.98
48	62.47	0.00	62.47	74.40	0.00	74.40	90.12	0.00	90.12	110.08	0.00	110.08	128.76	0.00	128.76	558.05	0.00	558.05
49	63.61	0.00	63.61	76.00	0.00	76.00	92.00	0.00	92.00	112.34	0.00	112.34	132.13	0.00	132.13	575.03	0.00	575.03
50	4.40	0.00	4.40	5.48	0.00	5.48	6.67	0.00	6.67	8.00	0.00	8.00	9.32	0.00	9.32	41.90	0.00	41.90
51	66.25	0.00	66.25	79.19	0.00	79.19	95.98	0.00	95.98	117.24	0.00	117.24	138.05	0.00	138.05	605.08	0.00	605.08
52	65.55	0.00	66.57	79.40	0.00	79.40	96.69	0.00	96.69	118.61	0.00	118.61	140.01	0.00	140.01	614.54	0.00	614.54
53	82.34	0.00	96.01	116.91	0.00	116.91	144.33	0.00	144.33	178.32	0.00	178.32	211.15	0.00	211.15	939.50	0.00	939.50
54	67.85	0.00	96.65	114.05	0.00	117.76	145.15	0.00	145.15	180.60	0.00	180.60	213.80	0.00	213.80	954.66	0.00	954.66
55	0.65	0.00	0.65	0.78	0.00	0.78	0.90	0.00	0.90	1.01	0.00	1.01	1.12	0.00	1.12	3.60	0.00	3.60
56	2.65	0.00	2.65	3.06	0.00	3.06	3.77	0.00	3.77	4.36	0.00	4.36	5.01	0.00	5.01	21.11	0.00	21.11
57	3.87	0.00	3.87	4.08	0.00	4.08	4.39	0.00	4.39	4.58	0.00	4.58	4.84	0.00	4.84	10.70	0.00	10.70
58	1.21	0.00	1.21	1.38	0.00	1.38	1.54	0.00	1.54	1.69	0.00	1.69	1.88	0.00	1.88	11.70	0.00	11.70
59	0.57	0.00	0.57	0.65	0.00	0.65	0.74	0.00	0.74	0.84	0.00	0.84	0.96	0.00	0.96	4.39	0.00	4.39
60	5.22	0.00	5.22	6.21	0.00	6.21	7.44	0.00	7.44	8.72	0.00	8.72	10.08	0.00	10.08	36.36	0.00	36.36
61	4.94	0.00	4.94	6.08	0.00	6.08	7.45	0.00	7.45	8.76	0.00	8.76	10.10	0.00	10.10	40.70	0.00	40.70
62	0.00	1.19	1.19	0.03	1.23	1.25	0.30	1.26	1.56	0.80	1.29	2.09	1.42	1.31	2.72	9.83	1.60	11.43
63	0.12	1.59	1.70	0.14	1.75	1.88	0.18	1.89	2.02	0.21	1.98	2.11	0.24	2.14	2.22	4.23	2.49	6.71
64	0.67	0.65	1.32	0.82	0.71	1.53	1.00	0.77	1.78	1.16	0.81	1.97	1.40	0.84	2.24	6.93	0.94	7.87
65	2.71	1.69	4.40	3.33	1.71	5.03	3.99	1.72	5.71	4.61	1.73	6.34	5.26	1.74	7.00	18.72	1.84	20.56
66	0.91	1.09	1.99	1.35	1.13	2.47	1.86	1.16	3.02	2.36	1.17	3.53	2.85	1.18	4.03	13.68	1.27	14.94
67	0.09	2.36	2.39	0.34	2.66	3.00	1.04	2.80	3.84	1.77	2.90	4.66	2.46	2.98	5.43	18.69	3.24	21.93
68	3.77	2.44	6.21	4.88	2.45	7.32	6.05	2.47	8.48	7.20	2.49	9.65	8.42	2.51	10.89	32.71	2.74	35.35
69	0.23	2.43	2.51	0.32	2.80	3.11	1.02	3.00	4.00	1.71	3.17	4.88	2.41	3.31	5.70	18.90	4.16	23.05
70	3.74	5.39	9.13	4.89	5.70	10.60	6.28	5.90	12.14	8.27	6.05	14.26	10.18	6.11	16.20	49.65	6.28	55.74
71	0.16	0.62	0.69	0.18	0.67	0.76	0.26	0.73	0.94	0.42	0.76	1.17	0.66	0.78	1.42	5.30	0.97	6.04
72	1.21	1.01	2.21	1.58	1.04	2.61	2.09	1.06	3.15	2.55	1.09	3.63	3.08	1.11	4.19	17.31	1.30	18.57
73	1.44	1.01	2.44	1.83	1.04	2.87	2.38	1.06	3.44	2.89	1.09	3.98	3.47	1.11	4.58	18.00	1.29	19.24
74	12.02	0.00	12.02	14.66	0.00	14.66	17.43	0.00	17.43	20.22	0.00	20.22	23.60	0.00	23.60	87.95	0.00	87.95

Table F-1 Summary of Peak Flows, All Clear Blockage Scenario (cont')

ID	Overland, Pipe and Total Flows (m3/s)																	
	20%			10%			5%			2%			1%			PMF		
	2D	1D	Total	2D	1D	Total	2D	1D	Total	2D	1D	Total	2D	1D	Total	2D	1D	Total
75	6.10	6.53	12.63	8.71	6.70	15.41	11.56	6.87	18.42	14.52	6.95	21.44	18.19	6.98	25.08	89.02	7.17	96.18
76	3.19	0.00	3.19	3.82	0.00	3.82	4.53	0.00	4.53	5.20	0.00	5.20	5.84	0.00	5.84	21.32	0.00	21.32
77	3.61	0.00	3.61	4.34	0.00	4.34	5.08	0.00	5.08	5.81	0.00	5.81	6.69	0.00	6.69	24.78	0.00	24.78
78	0.24	0.99	1.23	0.44	1.05	1.46	0.69	1.10	1.73	0.95	1.14	2.05	1.20	1.18	2.39	7.34	1.36	8.69
79	3.94	0.00	3.94	4.57	0.00	4.57	5.99	0.00	5.99	7.32	0.00	7.32	8.48	0.00	8.48	35.22	0.00	35.22
80	0.79	3.12	3.81	2.25	3.37	5.58	4.15	3.43	7.57	6.07	3.47	9.53	8.04	3.53	11.57	44.15	3.74	47.87
81	17.67	0.00	17.67	21.56	0.00	21.56	27.34	0.00	27.34	33.88	0.00	33.88	40.45	0.00	40.45	159.08	0.00	159.08
82	0.68	1.46	2.13	1.06	1.48	2.52	1.54	1.53	3.05	1.93	1.56	3.47	2.40	1.61	3.94	14.23	1.66	15.75
83	2.51	0.00	2.51	3.07	0.00	3.07	3.75	0.00	3.75	4.50	0.00	4.50	5.01	0.00	5.01	21.70	0.00	21.70
84	2.68	1.24	3.91	3.79	1.25	5.04	4.90	1.26	6.16	6.06	1.27	7.33	7.25	1.28	8.53	35.30	1.38	36.67
85	0.47	0.36	0.82	0.65	0.36	1.01	0.82	0.37	1.19	1.01	0.38	1.38	1.20	0.39	1.59	6.24	0.41	6.61
86	2.10	0.22	2.29	2.48	0.24	2.68	3.05	0.25	3.25	3.37	0.24	3.56	4.21	0.24	4.41	20.05	0.25	20.26
87	2.60	0.00	2.60	3.12	0.00	3.12	3.83	0.00	3.83	4.62	0.00	4.62	5.69	0.00	5.69	28.13	0.00	28.13
88	4.08	0.00	4.08	5.04	0.00	5.04	6.27	0.00	6.27	7.53	0.00	7.53	8.79	0.00	8.79	34.79	0.00	34.79
89	5.03	0.00	5.03	5.96	0.00	5.96	7.30	0.00	7.30	8.80	0.00	8.80	9.80	0.00	9.80	43.82	0.00	43.82
90	41.00	0.00	41.00	49.69	0.00	49.69	60.57	0.00	60.57	78.01	0.00	78.01	90.93	0.00	90.93	354.47	0.00	354.47
91	5.29	0.00	5.29	6.35	0.00	6.35	7.79	0.00	7.79	9.54	0.00	9.54	10.77	0.00	10.77	49.07	0.00	49.07
92	8.06	0.00	8.06	9.34	0.00	9.34	11.09	0.00	11.09	13.65	0.00	13.65	16.63	0.00	16.63	69.20	0.00	69.20
93	0.91	0.00	0.91	1.02	0.00	1.02	1.29	0.00	1.29	1.65	0.00	1.65	1.96	0.00	1.96	8.07	0.00	8.07
94	11.12	0.00	11.12	12.88	0.00	12.88	15.17	0.00	15.17	18.16	0.00	18.16	21.61	0.00	21.61	83.21	0.00	83.21
95	0.82	0.00	0.82	0.97	0.00	0.97	1.19	0.00	1.19	1.37	0.00	1.37	1.57	0.00	1.57	6.87	0.00	6.87
96	1.99	0.00	1.99	2.30	0.00	2.30	2.70	0.00	2.70	2.96	0.00	2.96	3.45	0.00	3.45	16.74	0.00	16.74
97	13.91	0.00	13.91	16.13	0.00	16.13	18.88	0.00	18.88	22.28	0.00	22.28	26.62	0.00	26.62	105.99	0.00	105.99
98	13.78	0.00	13.78	15.93	0.00	15.93	18.83	0.00	18.83	22.28	0.00	22.28	26.31	0.00	26.31	106.24	0.00	106.24
99	17.14	0.00	17.14	20.35	0.00	20.35	24.44	0.00	24.44	29.27	0.00	29.27	34.78	0.00	34.78	149.03	0.00	149.03
100	2.88	0.00	2.88	3.50	0.00	3.50	4.31	0.00	4.31	5.10	0.00	5.10	5.81	0.00	5.81	24.65	0.00	24.65
101	20.87	0.00	20.87	24.72	0.00	24.72	29.41	0.00	29.41	35.53	0.00	35.53	41.93	0.00	41.93	178.95	0.00	178.95
102	22.71	0.00	22.71	27.00	0.00	27.00	31.77	0.00	31.77	38.51	0.00	38.51	46.18	0.00	46.18	199.36	0.00	199.36
103	1.70	0.00	1.70	2.03	0.00	2.03	2.52	0.00	2.52	2.91	0.00	2.91	3.38	0.00	3.38	14.61	0.00	14.61
104	0.98	1.65	2.63	1.54	1.67	3.21	2.32	1.70	4.01	3.08	1.72	4.80	3.88	1.73	5.61	23.34	1.94	25.28
105	1.35	0.33	1.68	1.90	0.37	2.26	2.78	0.43	3.20	3.38	0.48	3.86	4.21	0.56	4.77	21.80	0.97	22.78
106	1.46	2.08	3.53	2.09	2.11	4.20	3.05	2.17	5.19	4.03	2.24	6.21	5.01	2.29	7.25	27.09	2.52	29.61
107	1.09	2.51	3.58	1.65	2.58	4.20	2.43	2.65	5.07	3.16	2.71	5.86	4.38	2.77	7.13	26.67	2.97	29.50
108	2.03	2.51	4.50	3.16	2.58	5.72	4.73	2.65	7.36	6.27	2.71	8.97	7.94	2.77	10.69	49.86	2.97	52.65
109	1.07	1.31	2.37	1.61	1.33	2.94	2.36	1.35	3.56	3.03	1.31	4.23	3.88	1.36	5.09	19.56	1.52	20.82
110	1.37	1.17	2.53	2.01	1.20	3.21	2.89	1.24	4.13	3.69	1.27	4.96	4.47	1.30	5.77	22.55	1.48	24.03
111	10.39	0.00	10.39	12.67	0.00	12.67	15.62	0.00	15.62	18.51	0.00	18.51	21.91	0.00	21.91	93.41	0.00	93.41

Table F-1 Summary of Peak Flows, All Clear Blockage Scenario (cont')

ID	Overland, Pipe and Total Flows (m3/s)																	
	20%			10%			5%			2%			1%			PMF		
	2D	1D	Total	2D	1D	Total	2D	1D	Total	2D	1D	Total	2D	1D	Total	2D	1D	Total
112	11.46	0.00	11.46	13.88	0.00	13.88	16.89	0.00	16.89	20.09	0.00	20.09	23.20	0.00	23.20	96.50	0.00	96.50
113	13.15	0.00	13.15	15.98	0.00	15.98	19.69	0.00	19.69	23.37	0.00	23.37	27.11	0.00	27.11	113.14	0.00	113.14
114	14.47	0.00	14.47	17.67	0.00	17.67	22.21	0.00	22.21	26.13	0.00	26.13	30.45	0.00	30.45	128.75	0.00	128.75
115	0.66	0.74	1.38	0.87	0.76	1.62	1.11	0.79	1.85	1.35	0.80	2.14	1.68	0.82	2.50	11.34	0.93	12.26
116	17.07	0.00	17.07	20.72	0.00	20.72	25.80	0.00	25.80	30.60	0.00	30.60	36.20	0.00	36.20	148.69	0.00	148.69
117	18.73	0.00	18.73	22.97	0.00	22.97	28.75	0.00	28.75	34.05	0.00	34.05	40.28	0.00	40.28	168.86	0.00	168.86
118	43.18	0.00	43.18	52.83	0.00	52.83	63.82	0.00	63.82	76.80	0.00	76.80	90.28	0.00	90.28	385.00	0.00	385.00
119	43.72	0.00	43.72	53.16	0.00	53.16	64.43	0.00	64.43	77.52	0.00	77.52	91.38	0.00	91.38	379.05	0.00	379.05
120	92.88	0.00	94.66	115.23	0.00	115.23	141.33	0.00	141.33	173.83	0.00	173.83	205.14	0.00	205.14	906.40	0.00	906.40