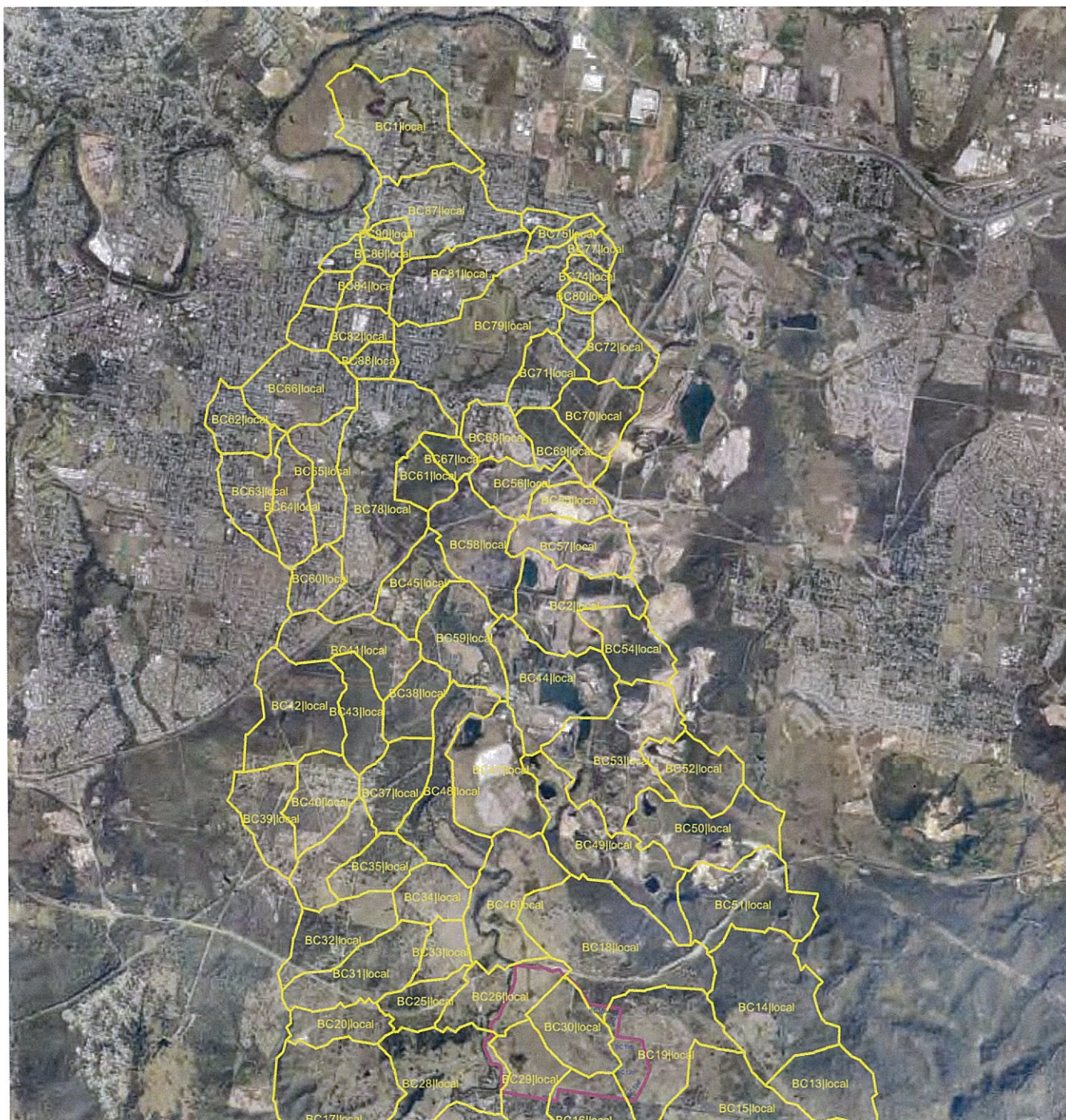




Cardno (Qld) Pty Ltd | ABN 57 051 074 992
Level 11, North Tower, 515 St Pauls Terrace
Locked Bag 4006, Fortitude Valley QLD 4006
Tel: 07 3369 9822 Fax: 07 3369 9722

© 2012 Cardno (Qld) Pty Ltd. All Rights Reserved. Copyright in the whole and every part of this document belongs to Cardno (Qld) Pty Ltd and may not be used, sold, transferred, copied or reproduced in whole or in part in any manner or form or in or on any media to any person without the prior written consent of Cardno (Qld) Pty Ltd.
This document is produced by Cardno (Qld) Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the contract. Cardno (Qld) Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by any third party on the content of this document.

SHEET	A3
Project No:	7901-47-027
Date:	22 January 2014
Revision Number:	1
Designed by:	NE
Client Name:	Amex Corporation Pty Ltd

LEGEND



Figure 2

Catchments Plan for Downtown of Site

Ripley Valley Secondary Urban Centre East

Scale: 1:50,000



Figure 3 Stages 1 to 3
Developed Site

Ripley Valley Secondary Urban
Centre East

LEGEND

Landscape

Proposed Level

Level Line

Boundary

Proposed Bridge

Culvert

Drainage Channel

Stage 1-3

Existing 1200mm Culvert

Barrams Bridge Channel

BC1251 BC1239

Ground Elevation(mAHD)

30 to 35

35 to 40

40 to 45

45 to 50

50 to 55

55 to 60

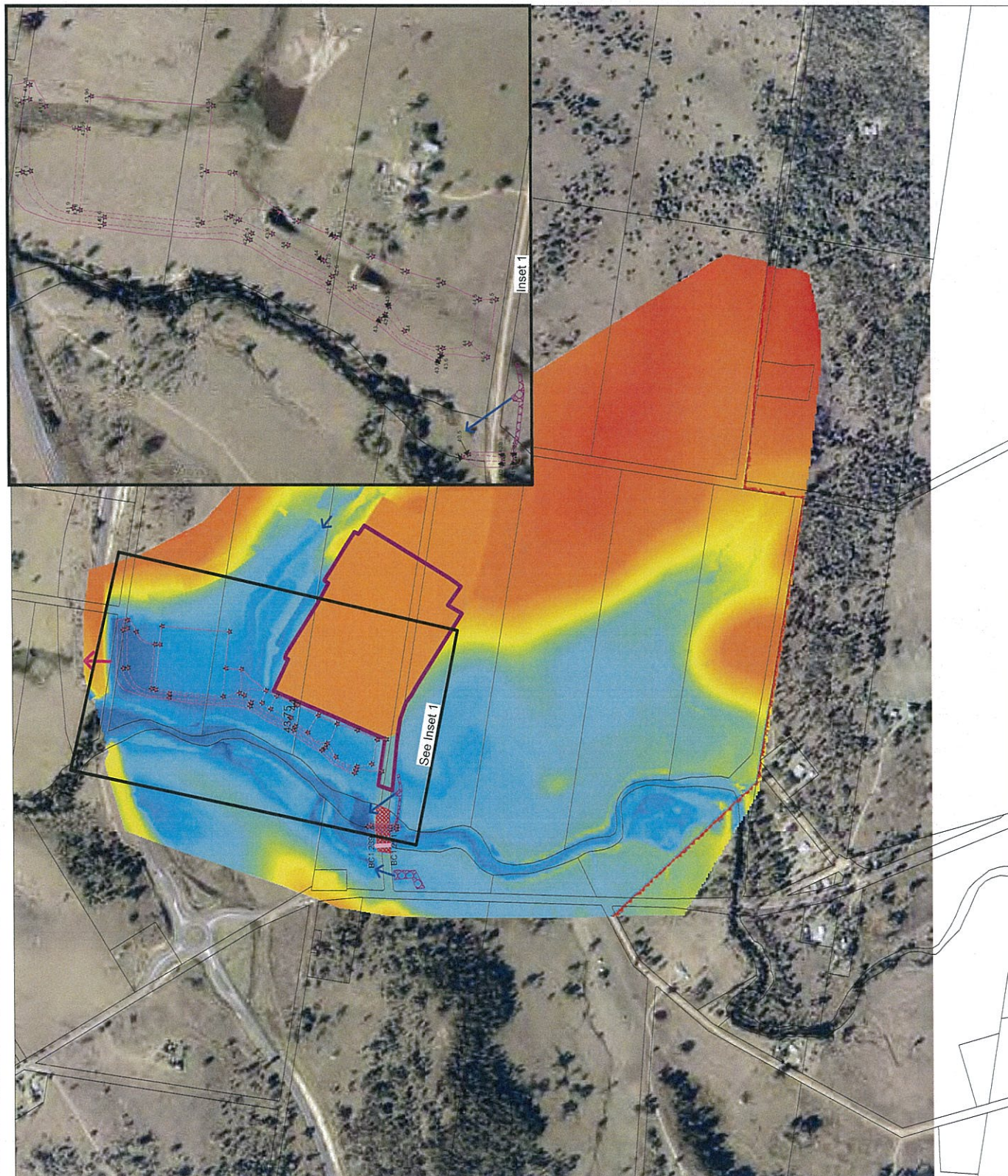
60 to 65

65 to 70

70 to 75

75 to 80

80 to 85



Cardno (Qld) Pty Ltd
ABN 87 051 074 992
Level 10, 100 Sturt Street
Locked Bag 4006, Fortitude Valley QLD 4006
Tel: 07 3369 8822 Fax: 07 3369 9722

This document is the property of Cardno (Qld) Pty Ltd and is to be used only for the purposes for which it was prepared. It is not to be used for any other purpose without the prior written consent of Cardno (Qld) Pty Ltd. This document is not to be used for any purpose other than that for which it was prepared. It is not to be used for any purpose other than that for which it was prepared. It is not to be used for any purpose other than that for which it was prepared.

SHEET	A3
Project No:	7901-47-027
Date:	22 January 2014
Revision Number:	1
Designed by:	NE
Client Name:	Amex Corporation Pty Ltd

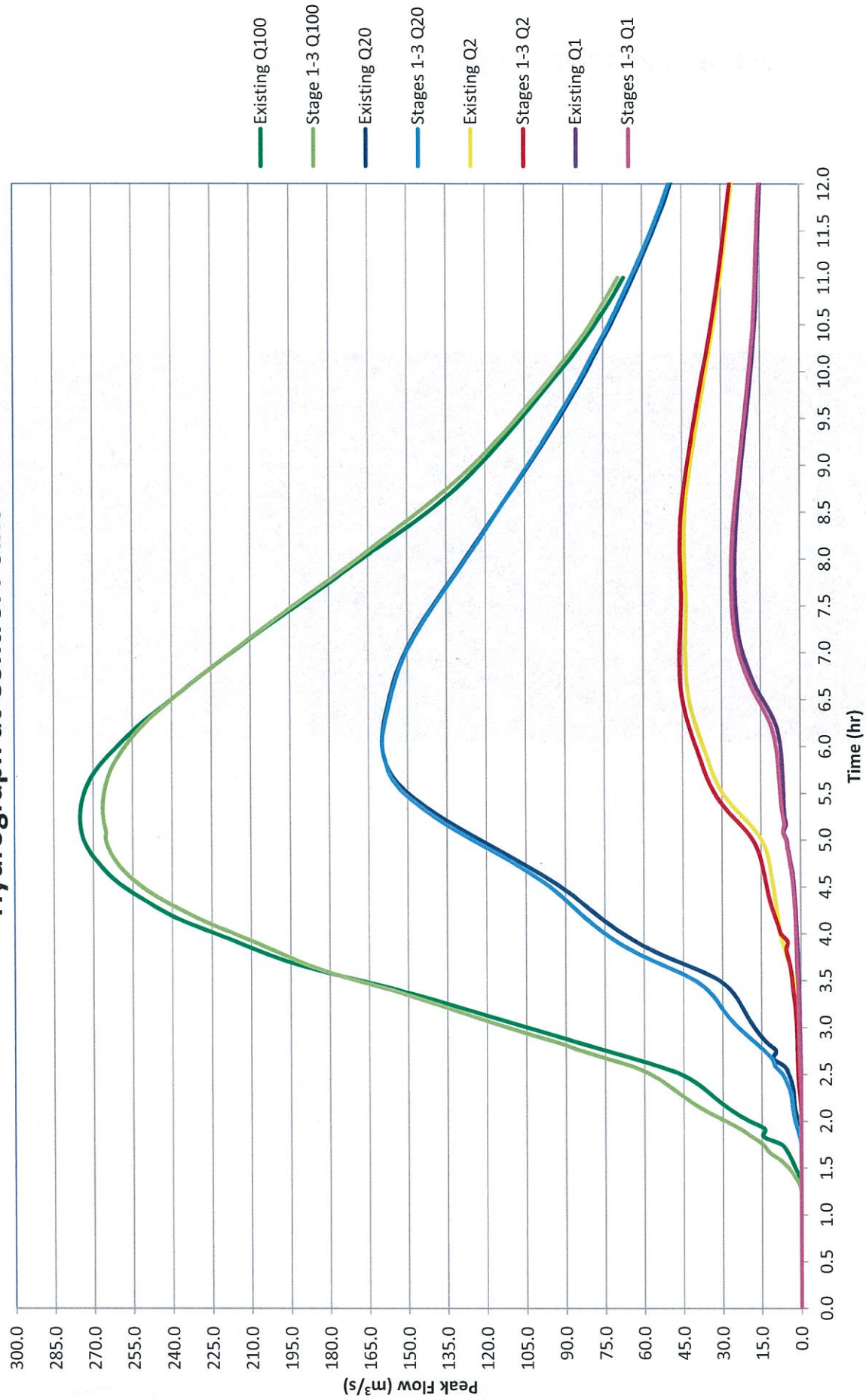
Stages 1-3 Addendum Flood Report

APPENDIX

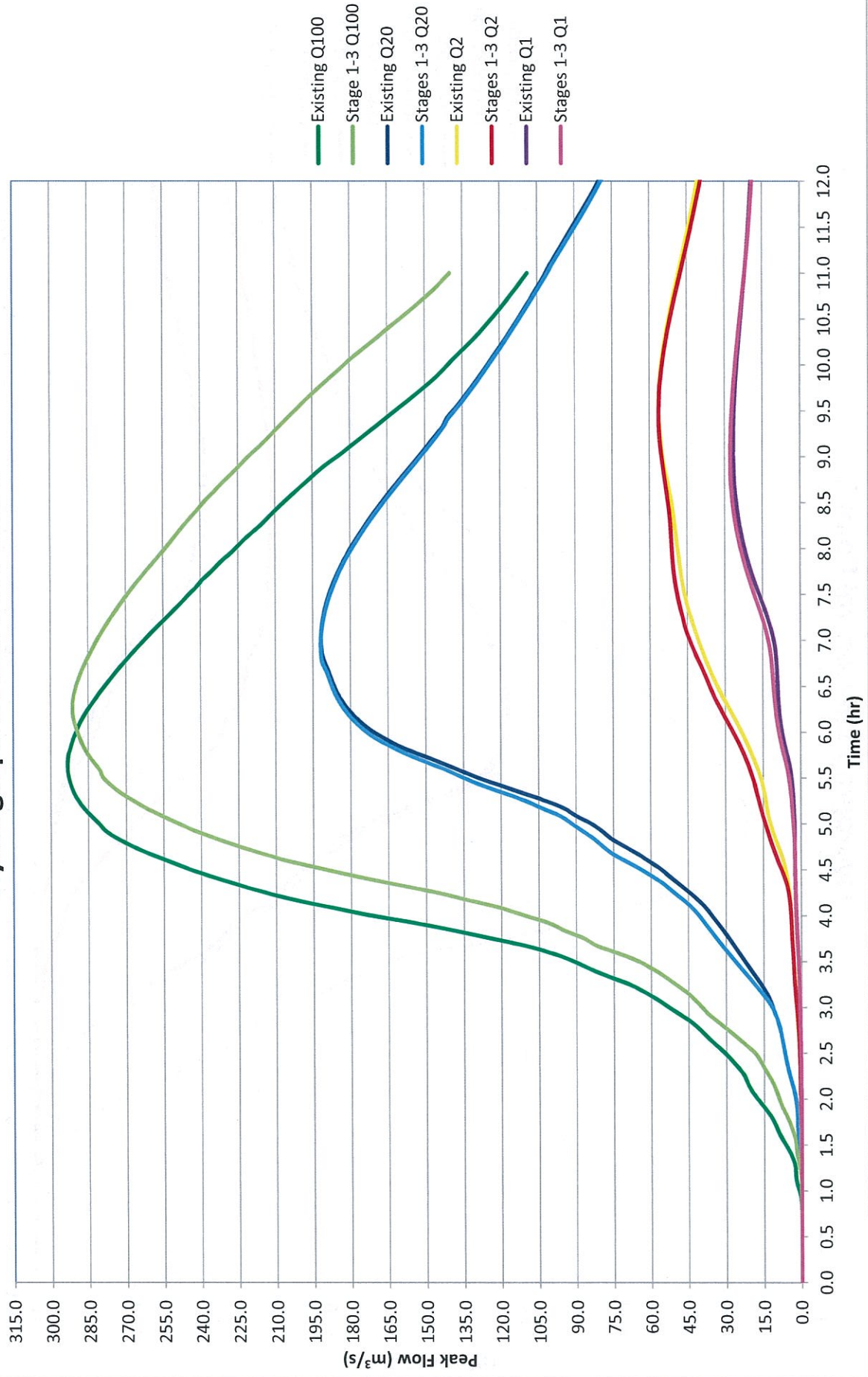
A

HYDROGRAPHS AT REFERENCE POINTS

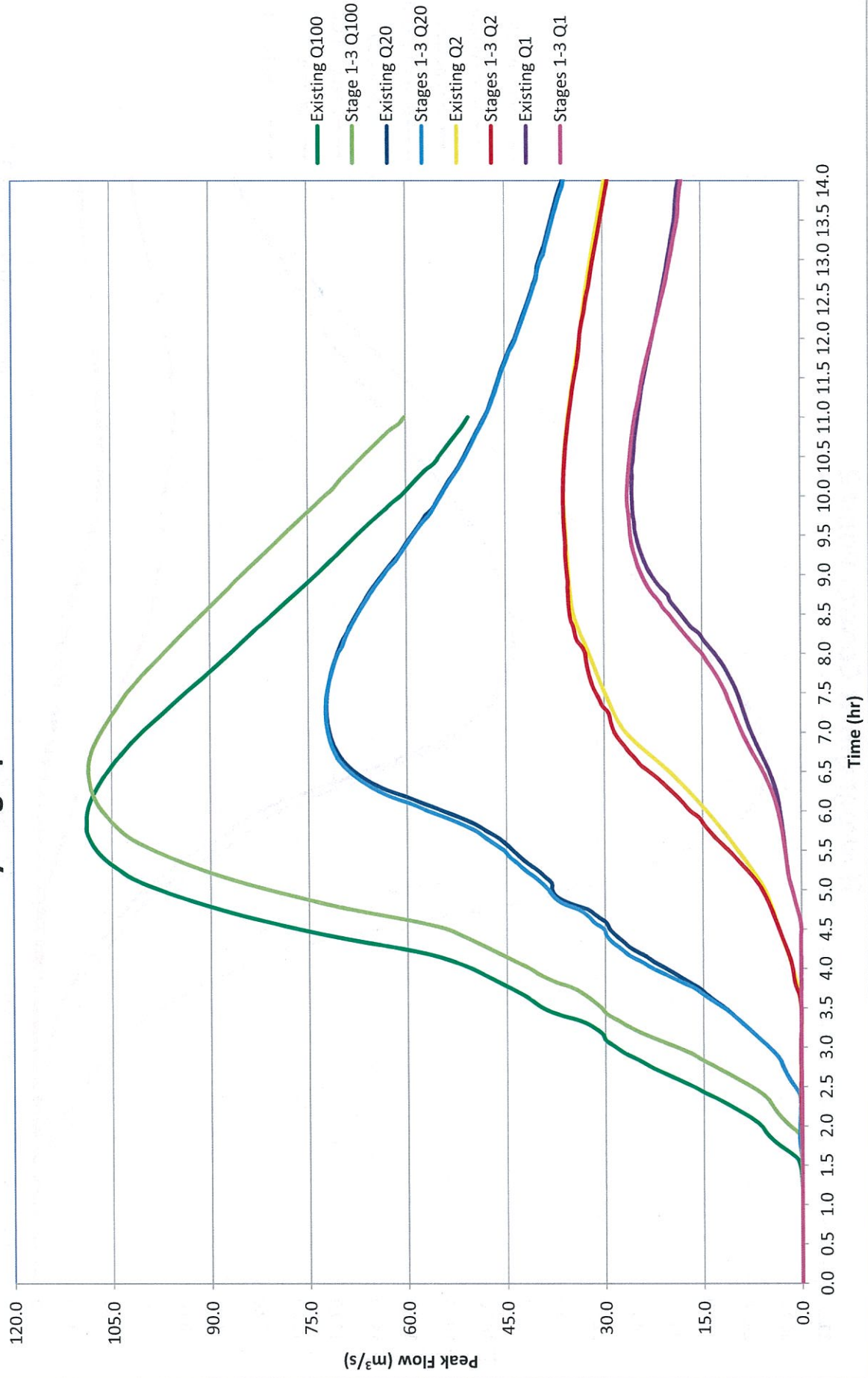
Hydrograph at Control Point 1



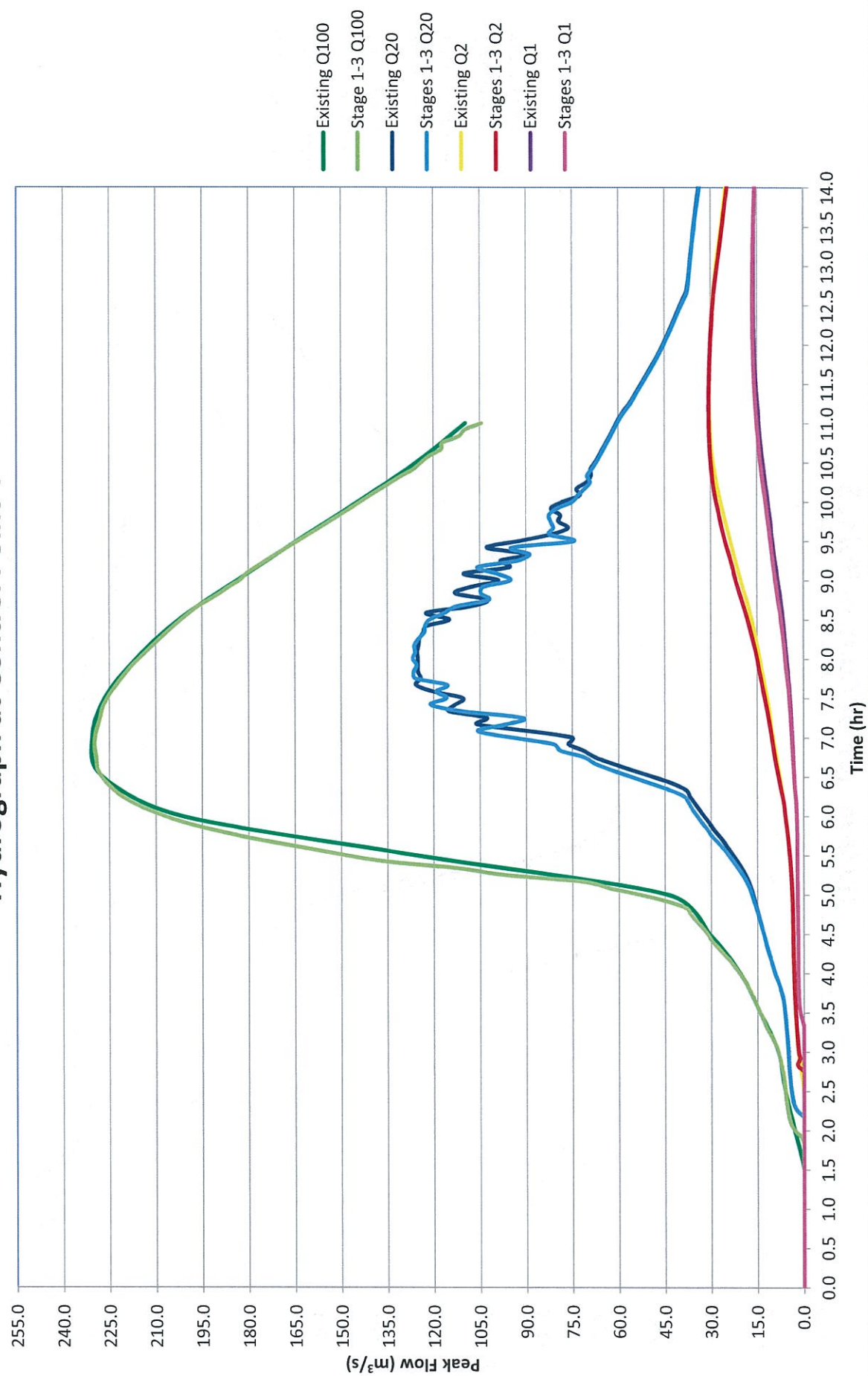
Hydrograph at Control Point 2



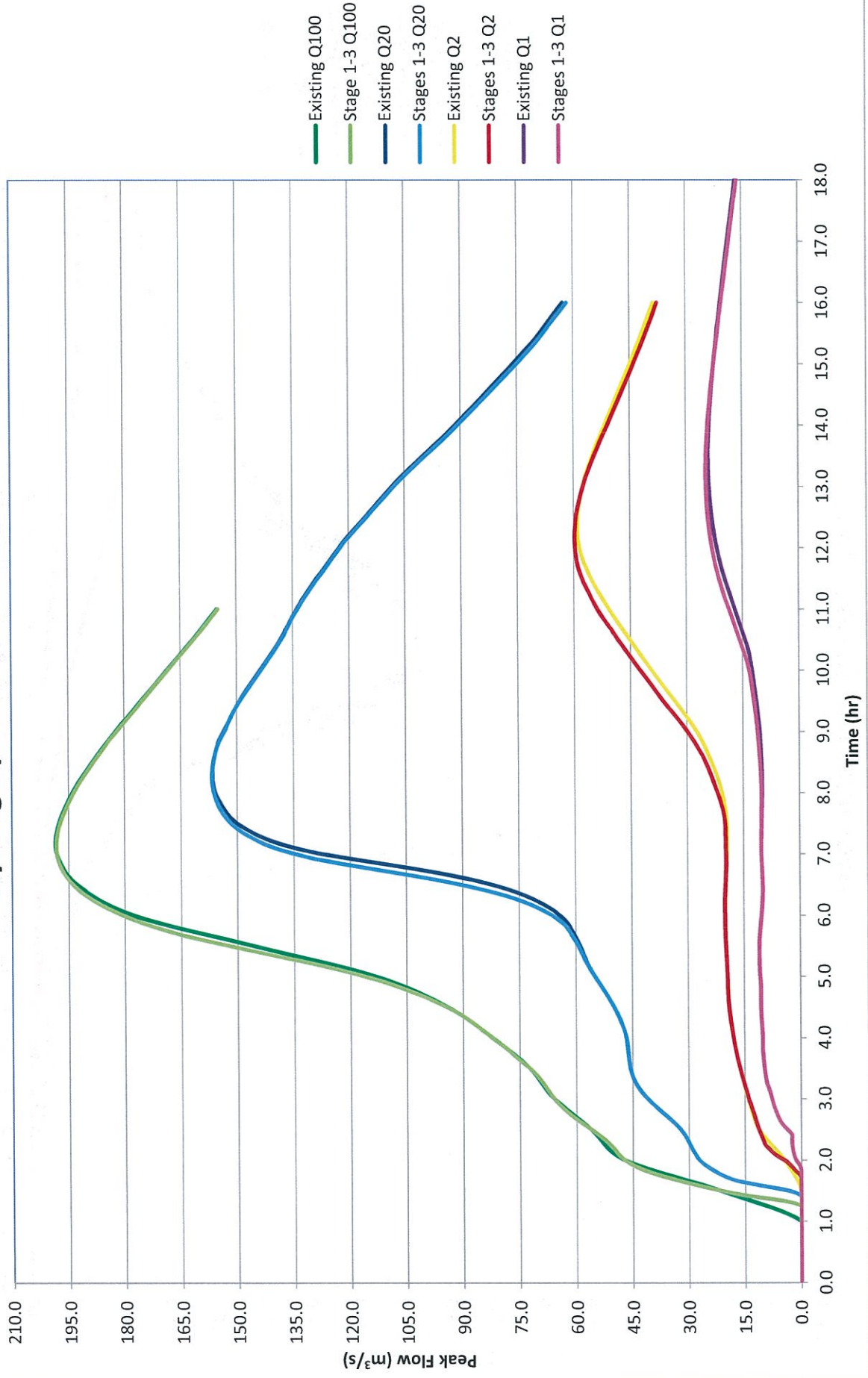
Hydrograph at Control Point 3



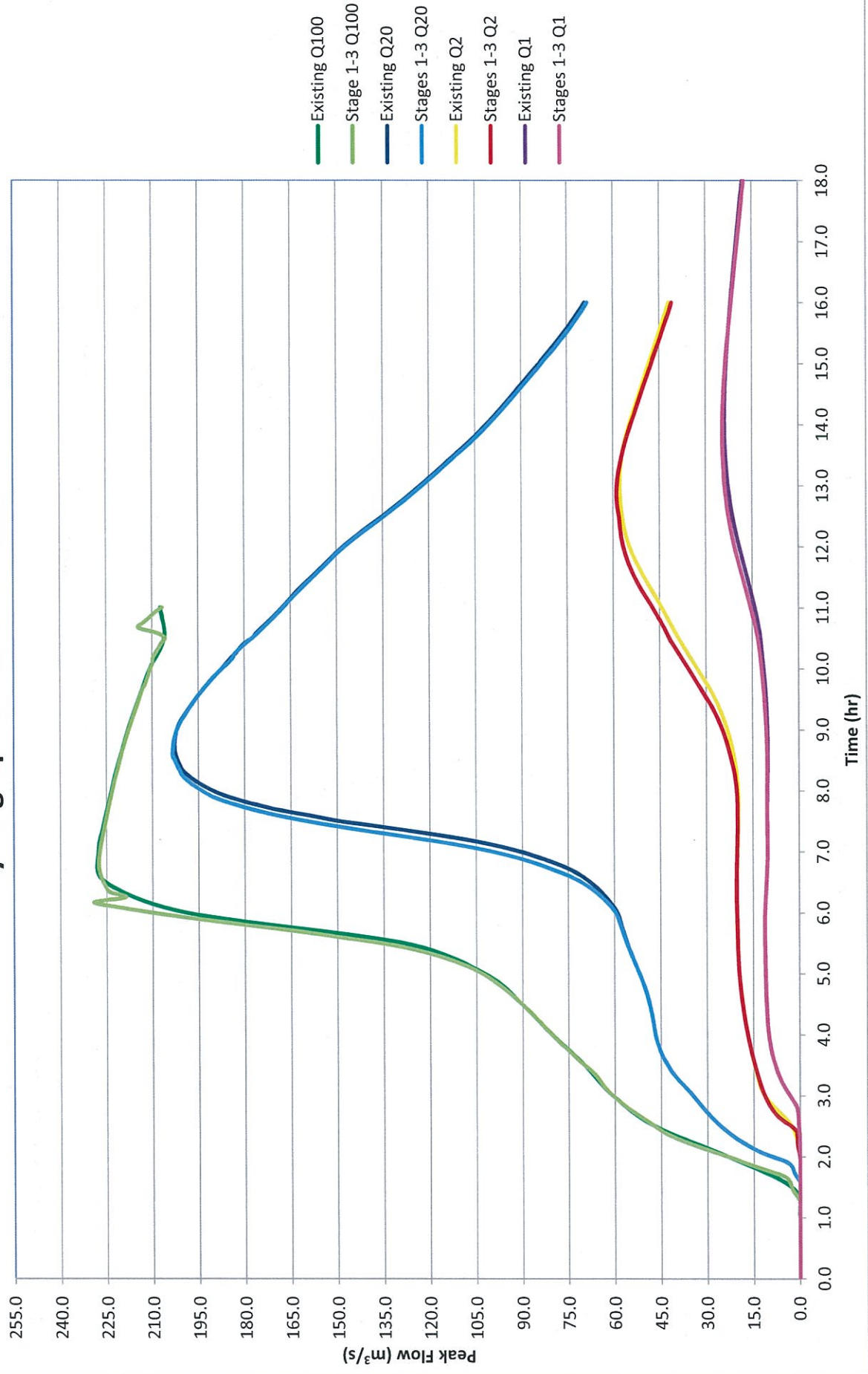
Hydrograph at Control Point 4



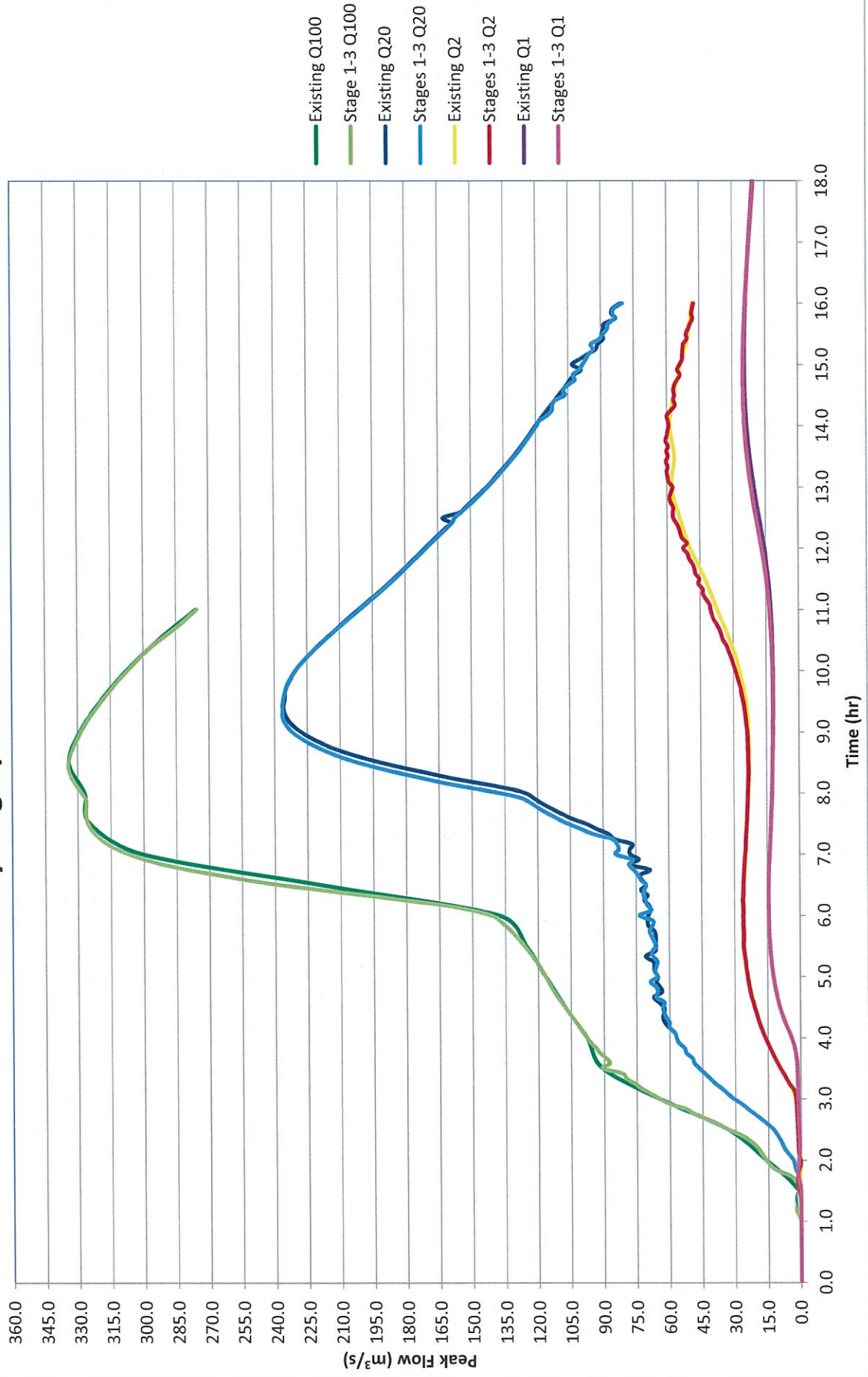
Hydrograph at Control Point 5



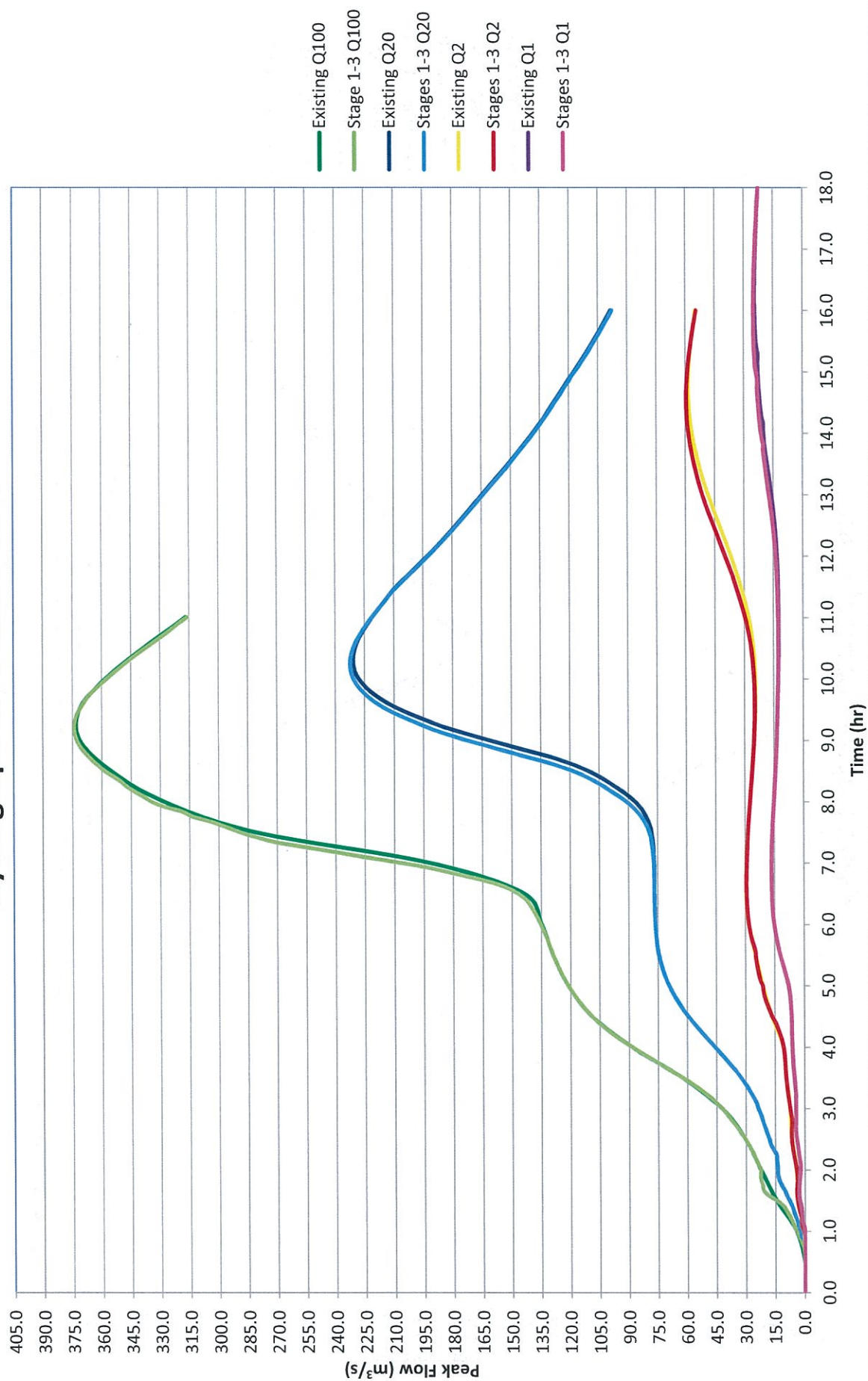
Hydrograph at Control Point 6



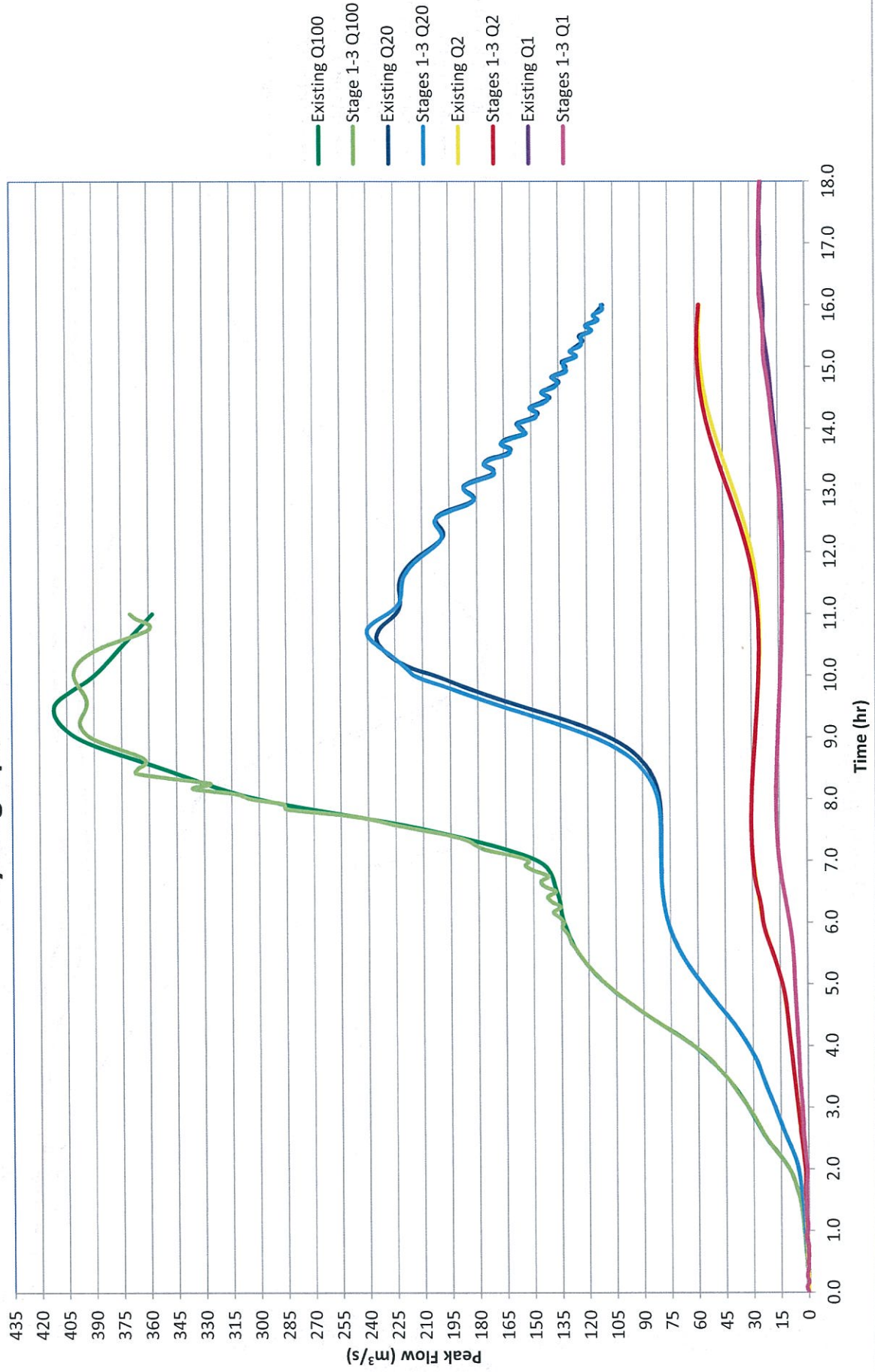
Hydrograph at Control Point 7



Hydrograph at Control Point 8



Hydrograph at Control Point 9

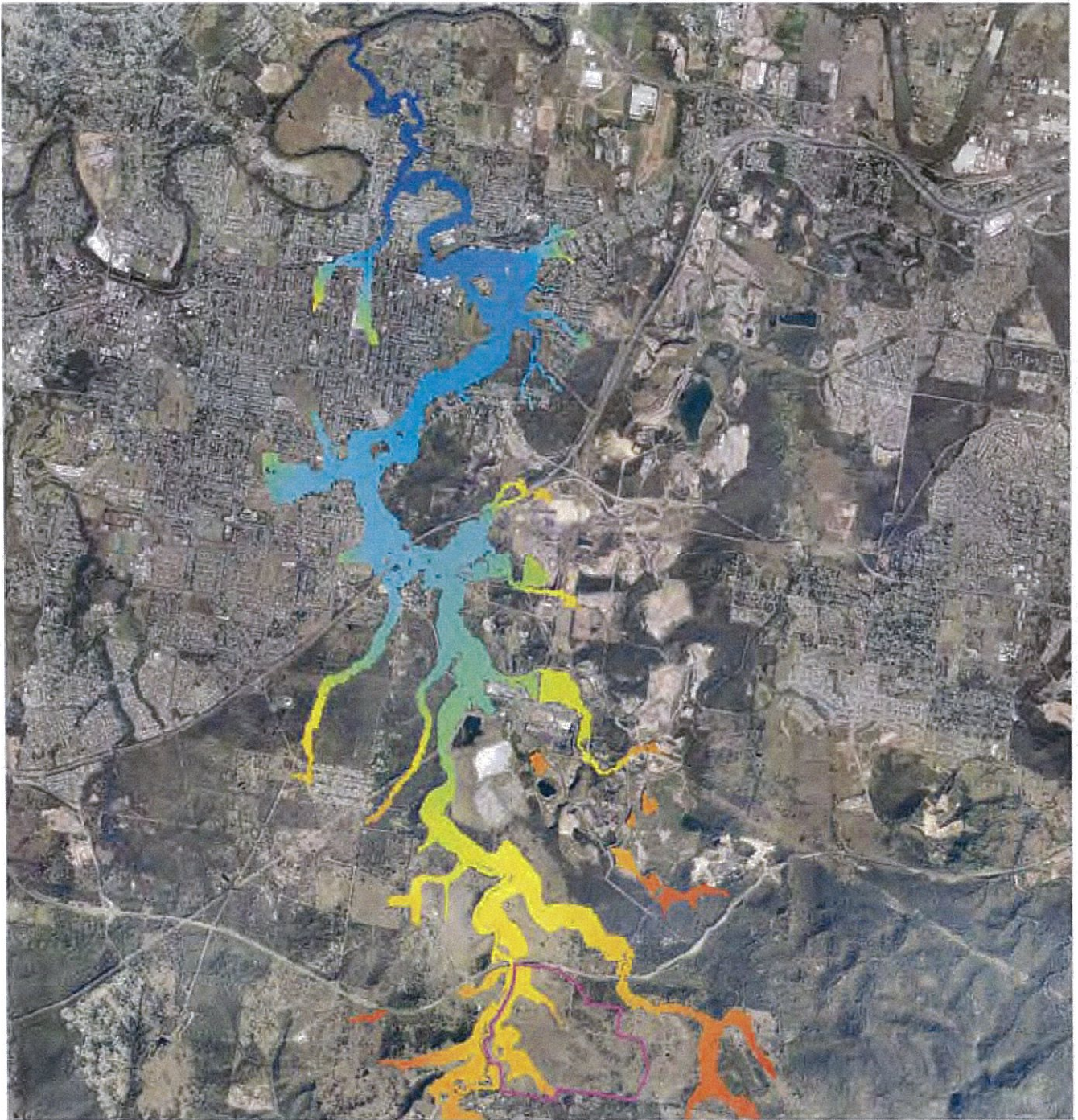


Stages 1-3 Addendum Flood Report

APPENDIX

B

FLOOD MODELLING RESULTS - LEVELS



Cardno (OLD) Pty Ltd (ABN 57 051 074 992)
Level 11, North Tower, 515 St Pauls Terrace
Locked Bag 4006, Fortitude Valley QLD 4006
Tel: 07 3369 9822 Fax: 07 3369 9723

© 2012 Cardno (OLD) Pty Ltd. All Rights Reserved. Copyright in the whole and every part of this document belongs to Cardno (OLD) Pty Ltd and may not be used, copied, transmitted, altered or reproduced for other than the purposes for which it was prepared without the prior written consent of Cardno (OLD) Pty Ltd.

This document is prepared by Cardno (OLD) Pty Ltd for the use of the client. It is not to be used for any other purpose without the prior written consent of Cardno (OLD) Pty Ltd. Cardno (OLD) Pty Ltd does not accept any liability for any loss or damage arising from the use of this document.

SHEET	A3
Project No:	7901-47-027
Date:	12 December 2012
Revision Number:	1
Designed by:	NE
Client Name:	Amex Corporation Pty Ltd

LEGEND

Water Level (m)	Water Level (m)
1.0 to 1.5	2.0 to 2.5
1.5 to 2.0	2.5 to 3.0
2.0 to 2.5	3.0 to 3.5
2.5 to 3.0	3.5 to 4.0
3.0 to 3.5	4.0 to 4.5
3.5 to 4.0	4.5 to 5.0
4.0 to 4.5	5.0 to 5.5
4.5 to 5.0	5.5 to 6.0
5.0 to 5.5	6.0 to 6.5
5.5 to 6.0	6.5 to 7.0
6.0 to 6.5	7.0 to 7.5
6.5 to 7.0	7.5 to 8.0
7.0 to 7.5	8.0 to 8.5
7.5 to 8.0	8.5 to 9.0
8.0 to 8.5	9.0 to 9.5
8.5 to 9.0	9.5 to 10.0
9.0 to 9.5	10.0 to 10.5
9.5 to 10.0	10.5 to 11.0
10.0 to 10.5	11.0 to 11.5
10.5 to 11.0	11.5 to 12.0
11.0 to 11.5	12.0 to 12.5
11.5 to 12.0	12.5 to 13.0
12.0 to 12.5	13.0 to 13.5
12.5 to 13.0	13.5 to 14.0
13.0 to 13.5	14.0 to 14.5
13.5 to 14.0	14.5 to 15.0
14.0 to 14.5	15.0 to 15.5
14.5 to 15.0	15.5 to 16.0
15.0 to 15.5	16.0 to 16.5
15.5 to 16.0	16.5 to 17.0
16.0 to 16.5	17.0 to 17.5
16.5 to 17.0	17.5 to 18.0
17.0 to 17.5	18.0 to 18.5
17.5 to 18.0	18.5 to 19.0
18.0 to 18.5	19.0 to 19.5
18.5 to 19.0	19.5 to 20.0
19.0 to 19.5	20.0 to 20.5
19.5 to 20.0	20.5 to 21.0
20.0 to 20.5	21.0 to 21.5
20.5 to 21.0	21.5 to 22.0
21.0 to 21.5	22.0 to 22.5
21.5 to 22.0	22.5 to 23.0
22.0 to 22.5	23.0 to 23.5
22.5 to 23.0	23.5 to 24.0
23.0 to 23.5	24.0 to 24.5
23.5 to 24.0	24.5 to 25.0
24.0 to 24.5	25.0 to 25.5
24.5 to 25.0	25.5 to 26.0
25.0 to 25.5	26.0 to 26.5
25.5 to 26.0	26.5 to 27.0
26.0 to 26.5	27.0 to 27.5
26.5 to 27.0	27.5 to 28.0
27.0 to 27.5	28.0 to 28.5
27.5 to 28.0	28.5 to 29.0
28.0 to 28.5	29.0 to 29.5
28.5 to 29.0	29.5 to 30.0
29.0 to 29.5	30.0 to 30.5
29.5 to 30.0	30.5 to 31.0
30.0 to 30.5	31.0 to 31.5
30.5 to 31.0	31.5 to 32.0
31.0 to 31.5	32.0 to 32.5
31.5 to 32.0	32.5 to 33.0
32.0 to 32.5	33.0 to 33.5
32.5 to 33.0	33.5 to 34.0
33.0 to 33.5	34.0 to 34.5
33.5 to 34.0	34.5 to 35.0
34.0 to 34.5	35.0 to 35.5
34.5 to 35.0	35.5 to 36.0
35.0 to 35.5	36.0 to 36.5
35.5 to 36.0	36.5 to 37.0
36.0 to 36.5	37.0 to 37.5
36.5 to 37.0	37.5 to 38.0
37.0 to 37.5	38.0 to 38.5
37.5 to 38.0	38.5 to 39.0
38.0 to 38.5	39.0 to 39.5
38.5 to 39.0	39.5 to 40.0
39.0 to 39.5	40.0 to 40.5
39.5 to 40.0	40.5 to 41.0
40.0 to 40.5	41.0 to 41.5
40.5 to 41.0	41.5 to 42.0
41.0 to 41.5	42.0 to 42.5
41.5 to 42.0	42.5 to 43.0
42.0 to 42.5	43.0 to 43.5
42.5 to 43.0	43.5 to 44.0
43.0 to 43.5	44.0 to 44.5
43.5 to 44.0	44.5 to 45.0
44.0 to 44.5	45.0 to 45.5
44.5 to 45.0	45.5 to 46.0
45.0 to 45.5	46.0 to 46.5
45.5 to 46.0	46.5 to 47.0
46.0 to 46.5	47.0 to 47.5
46.5 to 47.0	47.5 to 48.0
47.0 to 47.5	48.0 to 48.5
47.5 to 48.0	48.5 to 49.0
48.0 to 48.5	49.0 to 49.5
48.5 to 49.0	49.5 to 50.0
49.0 to 49.5	50.0 to 50.5
49.5 to 50.0	50.5 to 51.0
50.0 to 50.5	51.0 to 51.5
50.5 to 51.0	51.5 to 52.0
51.0 to 51.5	52.0 to 52.5
51.5 to 52.0	52.5 to 53.0
52.0 to 52.5	53.0 to 53.5
52.5 to 53.0	53.5 to 54.0
53.0 to 53.5	54.0 to 54.5
53.5 to 54.0	54.5 to 55.0
54.0 to 54.5	55.0 to 55.5
54.5 to 55.0	55.5 to 56.0
55.0 to 55.5	56.0 to 56.5
55.5 to 56.0	56.5 to 57.0
56.0 to 56.5	57.0 to 57.5
56.5 to 57.0	57.5 to 58.0
57.0 to 57.5	58.0 to 58.5
57.5 to 58.0	58.5 to 59.0
58.0 to 58.5	59.0 to 59.5
58.5 to 59.0	59.5 to 60.0
59.0 to 59.5	60.0 to 60.5
59.5 to 60.0	60.5 to 61.0
60.0 to 60.5	61.0 to 61.5
60.5 to 61.0	61.5 to 62.0
61.0 to 61.5	62.0 to 62.5
61.5 to 62.0	62.5 to 63.0
62.0 to 62.5	63.0 to 63.5
62.5 to 63.0	63.5 to 64.0
63.0 to 63.5	64.0 to 64.5
63.5 to 64.0	64.5 to 65.0
64.0 to 64.5	65.0 to 65.5
64.5 to 65.0	65.5 to 66.0
65.0 to 65.5	66.0 to 66.5
65.5 to 66.0	66.5 to 67.0
66.0 to 66.5	67.0 to 67.5
66.5 to 67.0	67.5 to 68.0
67.0 to 67.5	68.0 to 68.5
67.5 to 68.0	68.5 to 69.0
68.0 to 68.5	69.0 to 69.5
68.5 to 69.0	69.5 to 70.0
69.0 to 69.5	70.0 to 70.5
69.5 to 70.0	70.5 to 71.0
70.0 to 70.5	71.0 to 71.5
70.5 to 71.0	71.5 to 72.0
71.0 to 71.5	72.0 to 72.5
71.5 to 72.0	72.5 to 73.0
72.0 to 72.5	73.0 to 73.5
72.5 to 73.0	73.5 to 74.0
73.0 to 73.5	74.0 to 74.5
73.5 to 74.0	74.5 to 75.0
74.0 to 74.5	75.0 to 75.5
74.5 to 75.0	75.5 to 76.0
75.0 to 75.5	76.0 to 76.5
75.5 to 76.0	76.5 to 77.0
76.0 to 76.5	77.0 to 77.5
76.5 to 77.0	77.5 to 78.0
77.0 to 77.5	78.0 to 78.5
77.5 to 78.0	78.5 to 79.0
78.0 to 78.5	79.0 to 79.5
78.5 to 79.0	79.5 to 80.0
79.0 to 79.5	80.0 to 80.5
79.5 to 80.0	80.5 to 81.0
80.0 to 80.5	81.0 to 81.5
80.5 to 81.0	81.5 to 82.0
81.0 to 81.5	82.0 to 82.5
81.5 to 82.0	82.5 to 83.0
82.0 to 82.5	83.0 to 83.5
82.5 to 83.0	83.5 to 84.0
83.0 to 83.5	84.0 to 84.5
83.5 to 84.0	84.5 to 85.0
84.0 to 84.5	85.0 to 85.5
84.5 to 85.0	85.5 to 86.0
85.0 to 85.5	86.0 to 86.5
85.5 to 86.0	86.5 to 87.0
86.0 to 86.5	87.0 to 87.5
86.5 to 87.0	87.5 to 88.0
87.0 to 87.5	88.0 to 88.5
87.5 to 88.0	88.5 to 89.0
88.0 to 88.5	89.0 to 89.5
88.5 to 89.0	89.5 to 90.0
89.0 to 89.5	90.0 to 90.5
89.5 to 90.0	90.5 to 91.0
90.0 to 90.5	91.0 to 91.5
90.5 to 91.0	91.5 to 92.0
91.0 to 91.5	92.0 to 92.5
91.5 to 92.0	92.5 to 93.0
92.0 to 92.5	93.0 to 93.5
92.5 to 93.0	93.5 to 94.0
93.0 to 93.5	94.0 to 94.5
93.5 to 94.0	94.5 to 95.0
94.0 to 94.5	95.0 to 95.5
94.5 to 95.0	95.5 to 96.0
95.0 to 95.5	96.0 to 96.5
95.5 to 96.0	96.5 to 97.0
96.0 to 96.5	97.0 to 97.5
96.5 to 97.0	97.5 to 98.0
97.0 to 97.5	98.0 to 98.5
97.5 to 98.0	98.5 to 99.0
98.0 to 98.5	99.0 to 99.5
98.5 to 99.0	99.5 to 100.0



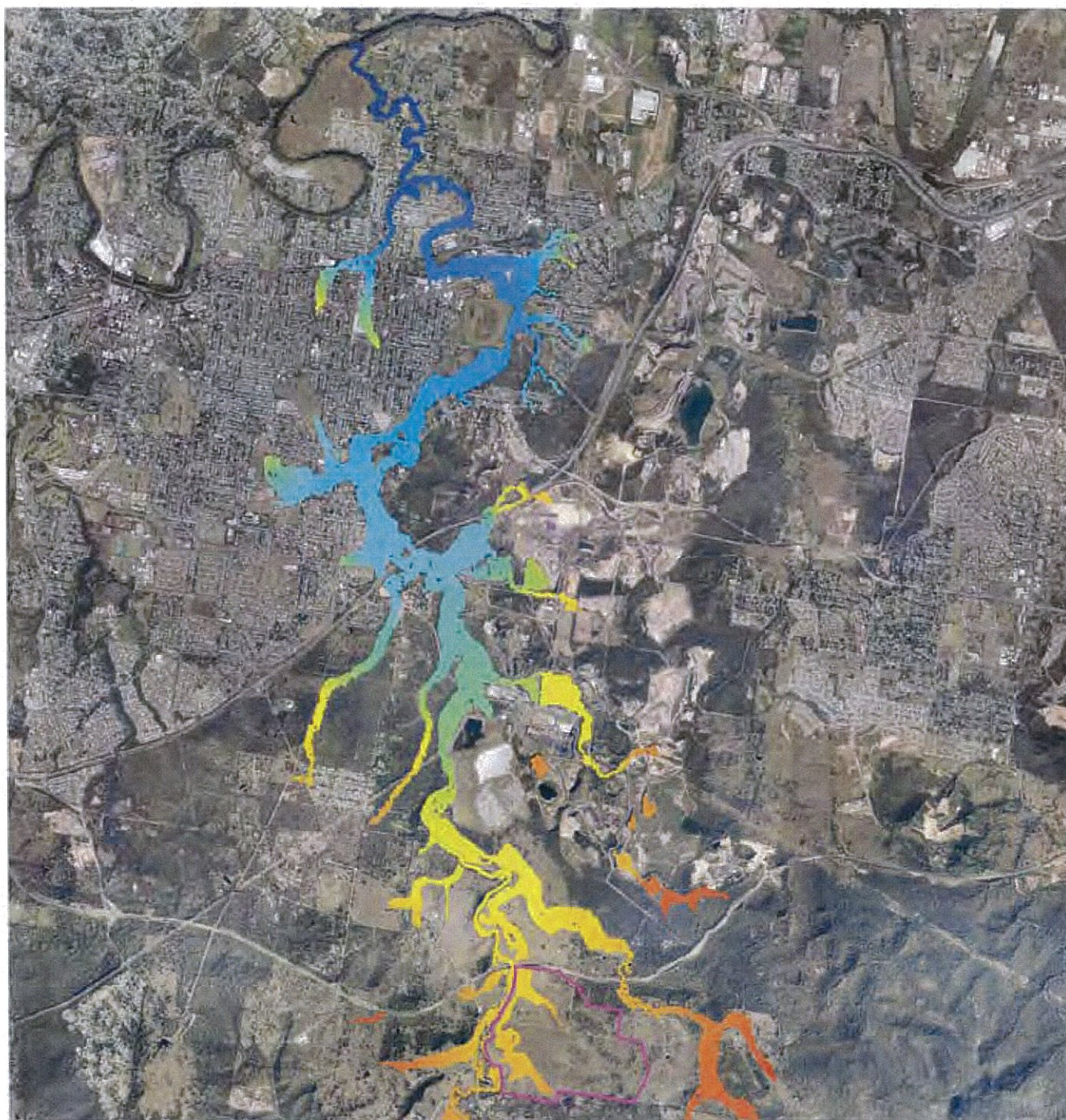
Figure B1

Existing Case Q100 Flood Extent

Ripley Valley Secondary Urban Centre East

Scale 1:50,000





Cardno (Qld) Pty Ltd | ABN 57 051 074 992
Level 11, North Tower, 515 St Pauls Terrace
Locked Bag 4008, Fortitude Valley QLD 4006
Tel: 07 3398 8622 Fax: 07 3398 8722

© 2012 Cardno (Qld) Pty Ltd. All Rights Reserved. Copyright in the whole and every part of this document is owned by Cardno (Qld) Pty Ltd. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written consent of Cardno (Qld) Pty Ltd.

SHEET	A3
Project No:	7901-47-027
Date:	12 December 2012
Revision Number:	1
Designed by:	NE
Client Name:	Amex Corporation Pty Ltd

LEGEND

Water Level (m)	Water Level (m)
1.5 to 2.0	20.0 to 20.5
2.0 to 2.5	20.5 to 21.0
2.5 to 3.0	21.0 to 21.5
3.0 to 3.5	21.5 to 22.0
3.5 to 4.0	22.0 to 22.5
4.0 to 4.5	22.5 to 23.0
4.5 to 5.0	23.0 to 23.5
5.0 to 5.5	23.5 to 24.0
5.5 to 6.0	24.0 to 24.5
6.0 to 6.5	24.5 to 25.0
6.5 to 7.0	25.0 to 25.5
7.0 to 7.5	25.5 to 26.0
7.5 to 8.0	26.0 to 26.5
8.0 to 8.5	26.5 to 27.0
8.5 to 9.0	27.0 to 27.5
9.0 to 9.5	27.5 to 28.0
9.5 to 10.0	28.0 to 28.5
10.0 to 10.5	28.5 to 29.0
10.5 to 11.0	29.0 to 29.5
11.0 to 11.5	29.5 to 30.0
11.5 to 12.0	30.0 to 30.5
12.0 to 12.5	30.5 to 31.0
12.5 to 13.0	31.0 to 31.5
13.0 to 13.5	31.5 to 32.0
13.5 to 14.0	32.0 to 32.5
14.0 to 14.5	32.5 to 33.0
14.5 to 15.0	33.0 to 33.5
15.0 to 15.5	33.5 to 34.0
15.5 to 16.0	34.0 to 34.5
16.0 to 16.5	34.5 to 35.0
16.5 to 17.0	35.0 to 35.5
17.0 to 17.5	35.5 to 36.0
17.5 to 18.0	36.0 to 36.5
18.0 to 18.5	36.5 to 37.0
18.5 to 19.0	37.0 to 37.5
19.0 to 19.5	37.5 to 38.0
19.5 to 20.0	38.0 to 38.5
20.0 to 20.5	38.5 to 39.0
20.5 to 21.0	39.0 to 39.5
21.0 to 21.5	39.5 to 40.0
21.5 to 22.0	40.0 to 40.5
22.0 to 22.5	40.5 to 41.0
22.5 to 23.0	41.0 to 41.5
23.0 to 23.5	41.5 to 42.0
23.5 to 24.0	42.0 to 42.5
24.0 to 24.5	42.5 to 43.0
24.5 to 25.0	43.0 to 43.5
25.0 to 25.5	43.5 to 44.0
25.5 to 26.0	44.0 to 44.5
26.0 to 26.5	44.5 to 45.0
26.5 to 27.0	45.0 to 45.5
27.0 to 27.5	45.5 to 46.0
27.5 to 28.0	46.0 to 46.5
28.0 to 28.5	46.5 to 47.0
28.5 to 29.0	47.0 to 47.5
29.0 to 29.5	47.5 to 48.0
29.5 to 30.0	48.0 to 48.5
30.0 to 30.5	48.5 to 49.0
30.5 to 31.0	49.0 to 49.5
31.0 to 31.5	49.5 to 50.0
31.5 to 32.0	50.0 to 50.5
32.0 to 32.5	50.5 to 51.0
32.5 to 33.0	51.0 to 51.5
33.0 to 33.5	51.5 to 52.0
33.5 to 34.0	52.0 to 52.5
34.0 to 34.5	52.5 to 53.0
34.5 to 35.0	53.0 to 53.5
35.0 to 35.5	53.5 to 54.0
35.5 to 36.0	54.0 to 54.5
36.0 to 36.5	54.5 to 55.0
36.5 to 37.0	55.0 to 55.5
37.0 to 37.5	55.5 to 56.0
37.5 to 38.0	56.0 to 56.5
38.0 to 38.5	56.5 to 57.0
38.5 to 39.0	57.0 to 57.5
39.0 to 39.5	57.5 to 58.0
39.5 to 40.0	58.0 to 58.5
40.0 to 40.5	58.5 to 59.0
40.5 to 41.0	59.0 to 59.5
41.0 to 41.5	59.5 to 60.0
41.5 to 42.0	60.0 to 60.5
42.0 to 42.5	60.5 to 61.0
42.5 to 43.0	61.0 to 61.5
43.0 to 43.5	61.5 to 62.0
43.5 to 44.0	62.0 to 62.5
44.0 to 44.5	62.5 to 63.0
44.5 to 45.0	63.0 to 63.5
45.0 to 45.5	63.5 to 64.0
45.5 to 46.0	64.0 to 64.5
46.0 to 46.5	64.5 to 65.0
46.5 to 47.0	65.0 to 65.5
47.0 to 47.5	65.5 to 66.0
47.5 to 48.0	66.0 to 66.5
48.0 to 48.5	66.5 to 67.0
48.5 to 49.0	67.0 to 67.5
49.0 to 49.5	67.5 to 68.0
49.5 to 50.0	68.0 to 68.5
50.0 to 50.5	68.5 to 69.0
50.5 to 51.0	69.0 to 69.5
51.0 to 51.5	69.5 to 70.0
51.5 to 52.0	70.0 to 70.5
52.0 to 52.5	70.5 to 71.0
52.5 to 53.0	71.0 to 71.5
53.0 to 53.5	71.5 to 72.0
53.5 to 54.0	72.0 to 72.5
54.0 to 54.5	72.5 to 73.0
54.5 to 55.0	73.0 to 73.5
55.0 to 55.5	73.5 to 74.0
55.5 to 56.0	74.0 to 74.5
56.0 to 56.5	74.5 to 75.0
56.5 to 57.0	75.0 to 75.5
57.0 to 57.5	75.5 to 76.0
57.5 to 58.0	76.0 to 76.5
58.0 to 58.5	76.5 to 77.0
58.5 to 59.0	77.0 to 77.5
59.0 to 59.5	77.5 to 78.0
59.5 to 60.0	78.0 to 78.5
60.0 to 60.5	78.5 to 79.0
60.5 to 61.0	79.0 to 79.5
61.0 to 61.5	79.5 to 80.0
61.5 to 62.0	80.0 to 80.5
62.0 to 62.5	80.5 to 81.0
62.5 to 63.0	81.0 to 81.5
63.0 to 63.5	81.5 to 82.0
63.5 to 64.0	82.0 to 82.5
64.0 to 64.5	82.5 to 83.0
64.5 to 65.0	83.0 to 83.5
65.0 to 65.5	83.5 to 84.0
65.5 to 66.0	84.0 to 84.5
66.0 to 66.5	84.5 to 85.0
66.5 to 67.0	85.0 to 85.5
67.0 to 67.5	85.5 to 86.0
67.5 to 68.0	86.0 to 86.5
68.0 to 68.5	86.5 to 87.0
68.5 to 69.0	87.0 to 87.5
69.0 to 69.5	87.5 to 88.0
69.5 to 70.0	88.0 to 88.5
70.0 to 70.5	88.5 to 89.0
70.5 to 71.0	89.0 to 89.5
71.0 to 71.5	89.5 to 90.0
71.5 to 72.0	90.0 to 90.5
72.0 to 72.5	90.5 to 91.0
72.5 to 73.0	91.0 to 91.5
73.0 to 73.5	91.5 to 92.0
73.5 to 74.0	92.0 to 92.5
74.0 to 74.5	92.5 to 93.0
74.5 to 75.0	93.0 to 93.5
75.0 to 75.5	93.5 to 94.0
75.5 to 76.0	94.0 to 94.5
76.0 to 76.5	94.5 to 95.0
76.5 to 77.0	95.0 to 95.5
77.0 to 77.5	95.5 to 96.0
77.5 to 78.0	96.0 to 96.5
78.0 to 78.5	96.5 to 97.0
78.5 to 79.0	97.0 to 97.5
79.0 to 79.5	97.5 to 98.0
79.5 to 80.0	98.0 to 98.5
80.0 to 80.5	98.5 to 99.0
80.5 to 81.0	99.0 to 99.5
81.0 to 81.5	99.5 to 100.0



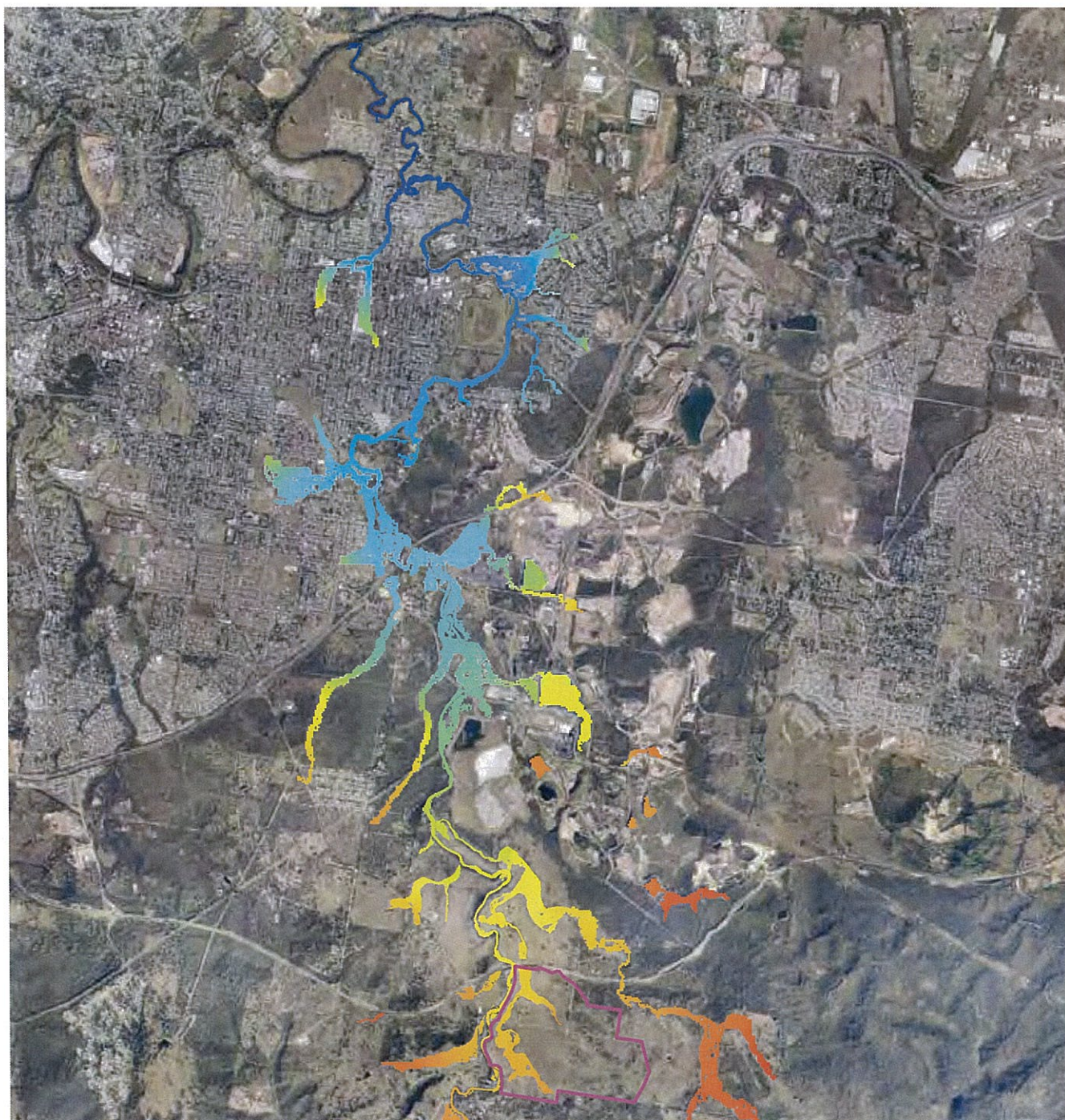
Figure B2

Existing Case Q20 Flood Extent

Ripley Valley Secondary Urban Centre East

Scale 1:50,000





Cardno (QLD) Pty Ltd | ABN 57 051 074 992
Level 11, North Tower, 515 St Pauls Terrace
Locked Bag 4006, Fortitude Valley QLD 4006
Tel: 07 3369 9822 Fax: 07 3369 9722

© 2012 Cardno (Qld) Pty Ltd All Rights Reserved. Copyright in the whole and every part of this document belongs to Cardno (Qld) Pty Ltd and may not be used, sold, transferred, copied or reproduced in whole or in part in any manner or form or in or on any media to any person without the prior written consent of Cardno (Qld) Pty Ltd.

This document is produced by Cardno (Qld) Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the contract. Cardno (Qld) Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by any third party on the content of this document.

SHEET	A3
Project No:	7901-47-027
Date:	12 December 2012
Revision Number:	1
Designed by:	NE
Client Name:	Amex Corporation Pty Ltd

LEGEND

Flood Level (mAHD)	
1.5 to 2.5	28.5 to 29.5
2.5 to 3.5	29.5 to 30.5
3.5 to 4.5	30.5 to 31.5
4.5 to 5.5	31.5 to 32.5
5.5 to 6.5	32.5 to 33.5
6.5 to 7.5	33.5 to 34.5
7.5 to 8.5	34.5 to 35.5
8.5 to 9.5	35.5 to 36.5
9.5 to 10.5	36.5 to 37.5
10.5 to 11.5	37.5 to 38.5
11.5 to 12.5	38.5 to 39.5
12.5 to 13.5	39.5 to 40.5
13.5 to 14.5	40.5 to 41.5
14.5 to 15.5	41.5 to 42.5
15.5 to 16.5	42.5 to 43.5
16.5 to 17.5	43.5 to 44.5
17.5 to 18.5	44.5 to 45.5
18.5 to 19.5	45.5 to 46.5
19.5 to 20.5	46.5 to 47.5
20.5 to 21.5	47.5 to 48.5
21.5 to 22.5	48.5 to 49.5
22.5 to 23.5	49.5 to 50.5
23.5 to 24.5	50.5 to 51.5
24.5 to 25.5	51.5 to 52.5
25.5 to 26.5	52.5 to 53.5
26.5 to 27.5	53.5 to 54.5
27.5 to 28.5	54.5 to 55.5



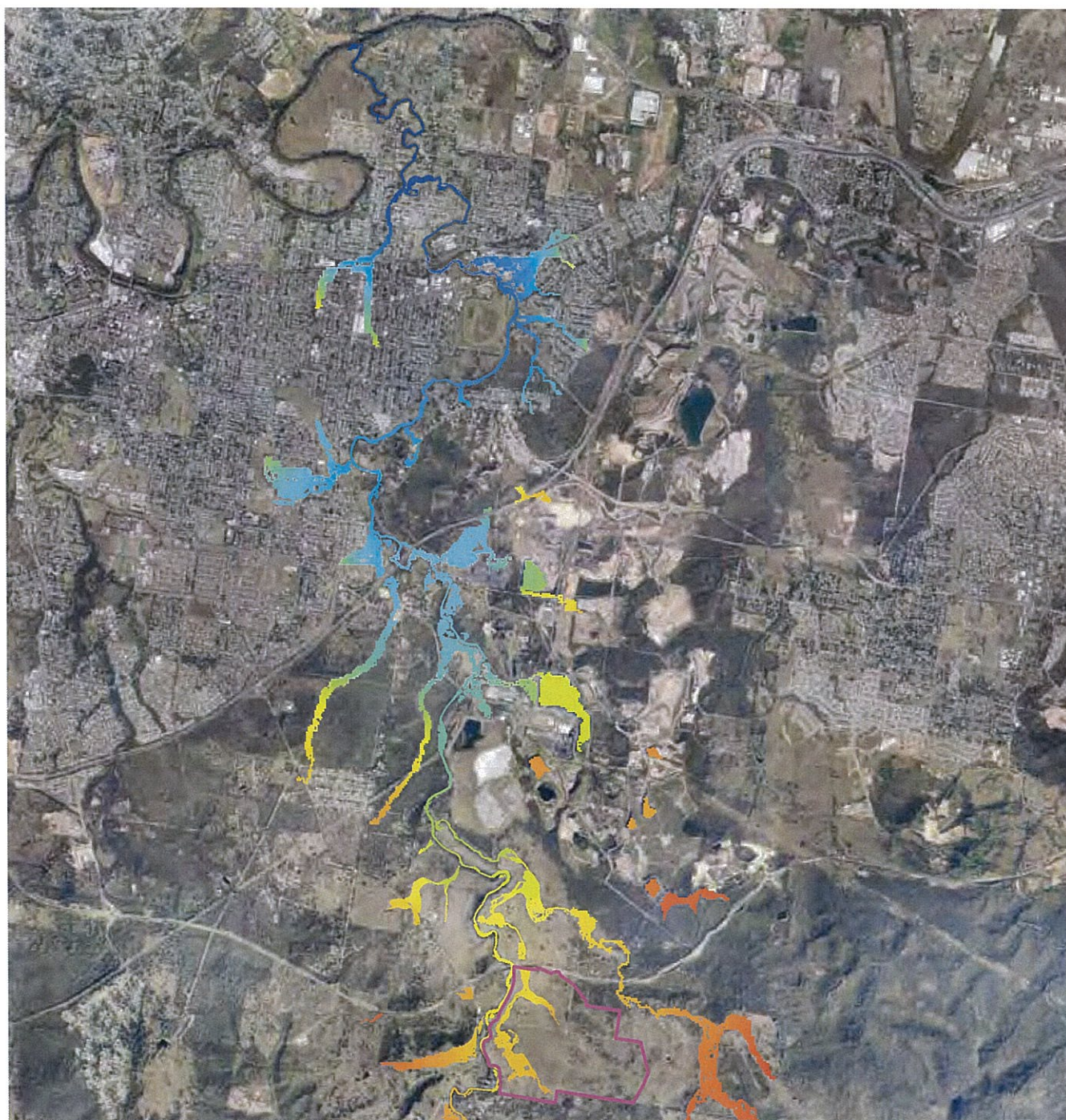
Figure B3

Existing Case Q2 Flood Extent

Ripley Valley Secondary Urban Centre East

Scale: 1:50,000





Cardno (QLD) Pty Ltd | ABN 57 051 074 992
Level 11, North Tower, 515 St Pauls Terrace
Locked Bag 4006, Fortitude Valley QLD 4006
Tel: 07 3369 9822 Fax: 07 3369 9722

© 2012 Cardno (Qld) Pty Ltd All Rights Reserved. Copyright in the whole and every part of this document belongs to Cardno (Qld) Pty Ltd and may not be used, sold, transferred, copied or reproduced in whole or in part in any manner or form or in or on any media to any person without the prior written consent of Cardno (Qld) Pty Ltd.

This document is produced by Cardno (Qld) Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the relevant Cardno (Qld) Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by any third party on the content of this document.

SHEET	A3
Project No:	7901-47-027
Date:	12 December 2012
Revision Number:	1
Designed by:	NE
Client Name:	Amex Corporation Pty Ltd

LEGEND

Flood Level (m(AHD))	
1.5 to 2.5	28.5 to 29.5
2.5 to 3.5	29.5 to 30.5
3.5 to 4.5	30.5 to 31.5
4.5 to 5.5	31.5 to 32.5
5.5 to 6.5	32.5 to 33.5
6.5 to 7.5	33.5 to 34.5
7.5 to 8.5	34.5 to 35.5
8.5 to 9.5	35.5 to 36.5
9.5 to 10.5	36.5 to 37.5
10.5 to 11.5	37.5 to 38.5
11.5 to 12.5	38.5 to 39.5
12.5 to 13.5	39.5 to 40.5
13.5 to 14.5	40.5 to 41.5
14.5 to 15.5	41.5 to 42.5
15.5 to 16.5	42.5 to 43.5
16.5 to 17.5	43.5 to 44.5
17.5 to 18.5	44.5 to 45.5
18.5 to 19.5	45.5 to 46.5
19.5 to 20.5	46.5 to 47.5
20.5 to 21.5	47.5 to 48.5
21.5 to 22.5	48.5 to 49.5
22.5 to 23.5	49.5 to 50.5
23.5 to 24.5	50.5 to 51.5
24.5 to 25.5	51.5 to 52.5
25.5 to 26.5	52.5 to 53.5
26.5 to 27.5	53.5 to 54.5
27.5 to 28.5	54.5 to 55.5

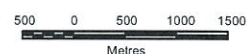


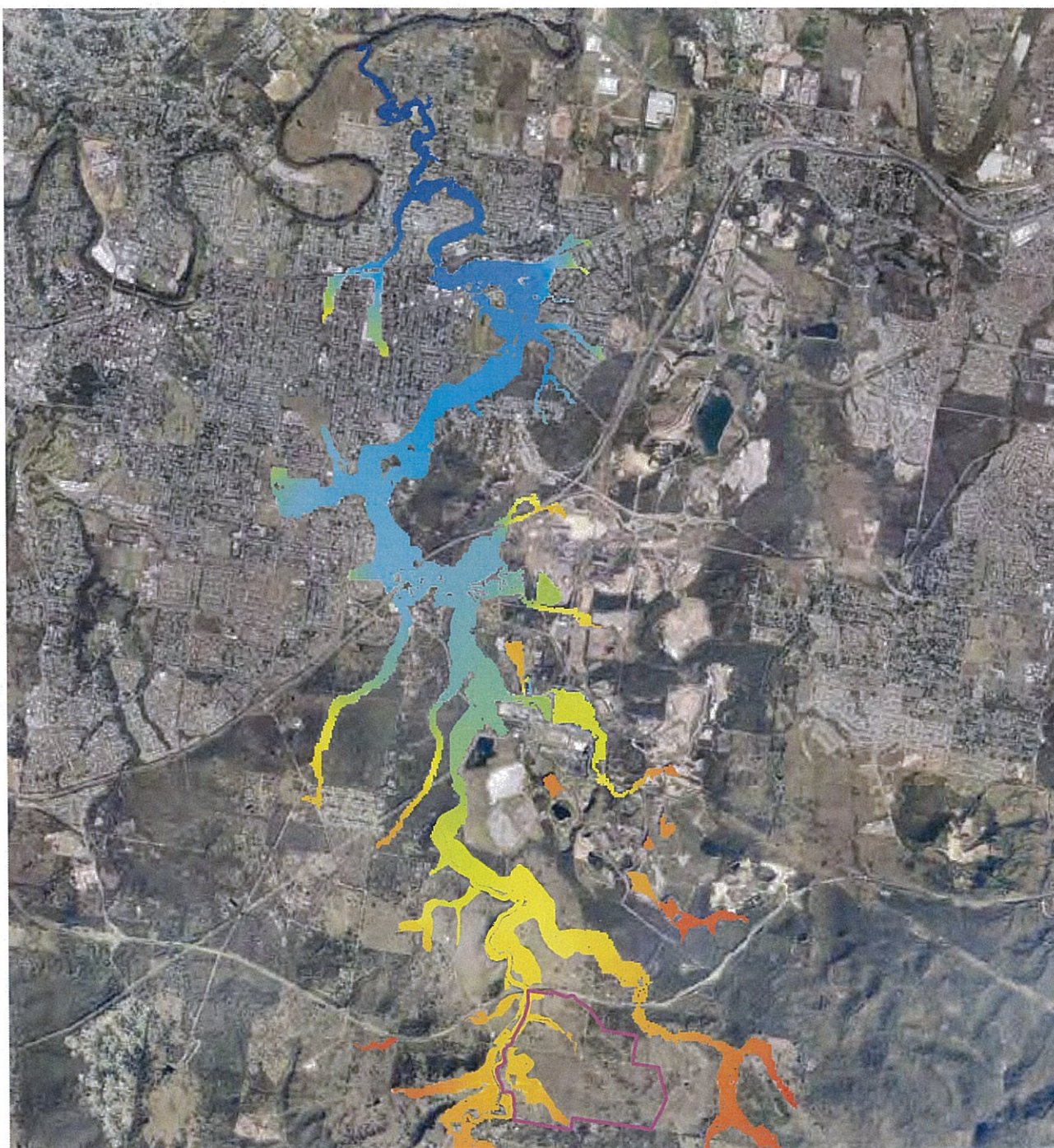
Figure B4

Existing Case Q1 Flood Extent

Ripley Valley Secondary Urban Centre East

Scale: 1:50,000





Cardno (QLD) Pty Ltd | ABN 57 051 074 992
Level 11, North Tower, 515 St Pauls Terrace
Locked Bag 4006, Fortitude Valley QLD 4006
Tel: 07 3369 9822 Fax: 07 3369 9722

© 2012 Cardno (Qld) Pty Ltd All Rights Reserved. Copyright in the whole and every part of this document belongs to Cardno (Qld) Pty Ltd and may not be used, sold, transferred, copied or reproduced in whole or in part in any manner or form or in or on any media to any person without the prior written consent of Cardno (Qld) Pty Ltd.
This document is produced by Cardno (Qld) Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Cardno (Qld) Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by any third party on the content of this document.

SHEET	A3
Project No:	7901-47-027
Date:	22 January 2014
Revision Number:	1
Designed by:	NE
Client Name:	Amex Corporation Pty Ltd

LEGEND

Peak Flood Level(MAHD)

1.50 to 2.50	28.50 to 29.50
2.50 to 3.50	29.50 to 30.50
3.50 to 4.50	30.50 to 31.50
4.50 to 5.50	31.50 to 32.50
5.50 to 6.50	32.50 to 33.50
6.50 to 7.50	33.50 to 34.50
7.50 to 8.50	34.50 to 35.50
8.50 to 9.50	35.50 to 36.50
9.50 to 10.50	36.50 to 37.50
10.50 to 11.50	37.50 to 38.50
11.50 to 12.50	38.50 to 39.50
12.50 to 13.50	39.50 to 40.50
13.50 to 14.50	40.50 to 41.50
14.50 to 15.50	41.50 to 42.50
15.50 to 16.50	42.50 to 43.50
16.50 to 17.50	43.50 to 44.50
17.50 to 18.50	44.50 to 45.50
18.50 to 19.50	45.50 to 46.50
19.50 to 20.50	46.50 to 47.50
20.50 to 21.50	47.50 to 48.50
21.50 to 22.50	48.50 to 49.50
22.50 to 23.50	49.50 to 50.50
23.50 to 24.50	50.50 to 51.50
24.50 to 25.50	51.50 to 52.50
25.50 to 26.50	52.50 to 53.50
26.50 to 27.50	53.50 to 54.50
27.50 to 28.50	54.50 to 55.50

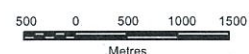


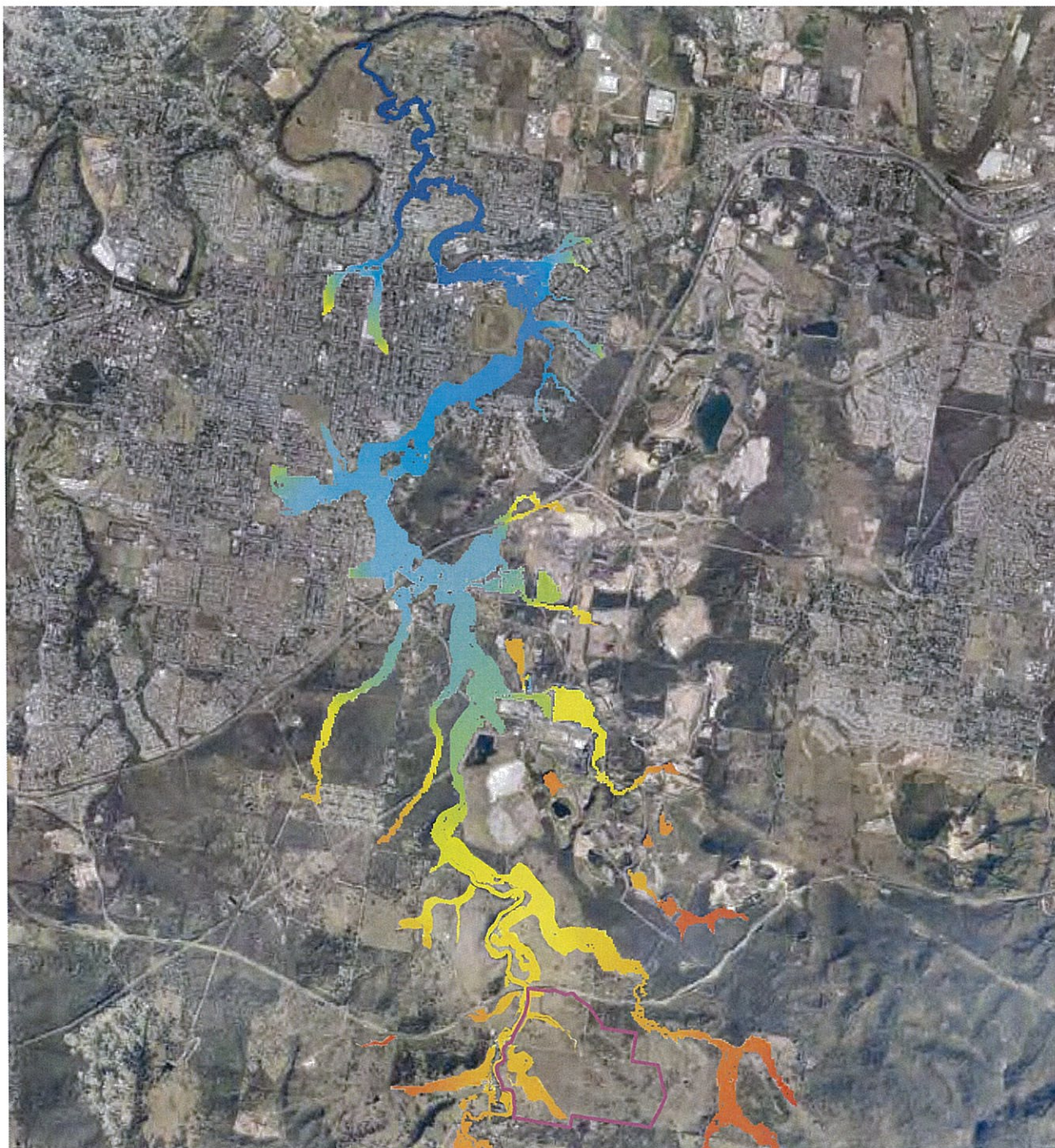
Figure B5

Stages 1 to 3 Q100 Flood Extent

Ripley Valley Secondary Urban Centre East

Scale: 1:50,000





Cardno (QLD) Pty Ltd | ABN 57 051 074 992
Level 11, North Tower, 515 St Pauls Terrace
Locked Bag 4006, Fortitude Valley QLD 4006
Tel: 07 3369 9822 Fax: 07 3369 9722

© 2012 Cardno (Qld) Pty Ltd All Rights Reserved. Copyright in the whole and every part of this document belongs to Cardno (Qld) Pty Ltd and may not be used, sold, transferred, copied or reproduced in whole or in part in any manner or form or in any media to any person without the prior written consent of Cardno (Qld) Pty Ltd.

This document is produced by Cardno (Qld) Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the relevant Cardno (Qld) Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by any third party on the content of this document.

SHEET	A3
Project No:	7901-47-027
Date:	22 January 2014
Revision Number:	1
Designed by:	NE
Client Name:	Amex Corporation Pty Ltd

LEGEND

Peak Flood Level (mAHD)

1.50 to 2.50	28.50 to 29.50
2.50 to 3.50	29.50 to 30.50
3.50 to 4.50	30.50 to 31.50
4.50 to 5.50	31.50 to 32.50
5.50 to 6.50	32.50 to 33.50
6.50 to 7.50	33.50 to 34.50
7.50 to 8.50	34.50 to 35.50
8.50 to 9.50	35.50 to 36.50
9.50 to 10.50	36.50 to 37.50
10.50 to 11.50	37.50 to 38.50
11.50 to 12.50	38.50 to 39.50
12.50 to 13.50	39.50 to 40.50
13.50 to 14.50	40.50 to 41.50
14.50 to 15.50	41.50 to 42.50
15.50 to 16.50	42.50 to 43.50
16.50 to 17.50	43.50 to 44.50
17.50 to 18.50	44.50 to 45.50
18.50 to 19.50	45.50 to 46.50
19.50 to 20.50	46.50 to 47.50
20.50 to 21.50	47.50 to 48.50
21.50 to 22.50	48.50 to 49.50
22.50 to 23.50	49.50 to 50.50
23.50 to 24.50	50.50 to 51.50
24.50 to 25.50	51.50 to 52.50
25.50 to 26.50	52.50 to 53.50
26.50 to 27.50	53.50 to 54.50
27.50 to 28.50	54.50 to 55.50

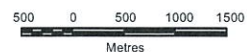


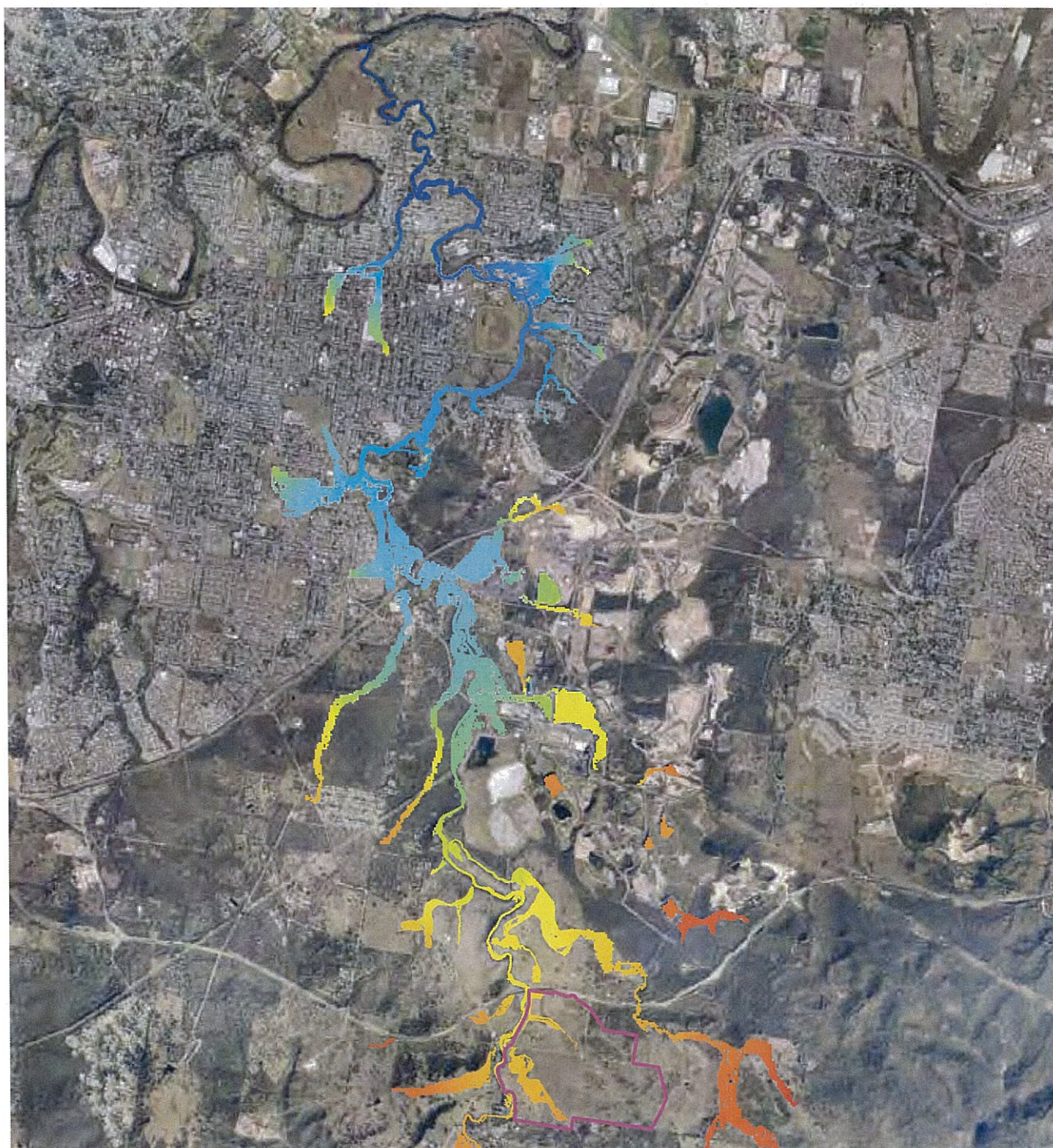
Figure B6

Stages 1 to 3 Q20 Flood Extent

Ripley Valley Secondary Urban Centre East

Scale: 1:50,000





Cardno (QLD) Pty Ltd | ABN 57 051 074 992
Level 11, North Tower, 515 St Pauls Terrace
Locked Bag 4006, Fortitude Valley QLD 4006
Tel: 07 3369 9822 Fax: 07 3369 9722

© 2012 Cardno (Qld) Pty Ltd All Rights Reserved. Copyright in the whole and every part of this document belongs to Cardno (Qld) Pty Ltd and may not be used, sold, transferred, copied or reproduced in whole or in part in any manner or form or on any media to any person without the prior written consent of Cardno (Qld) Pty Ltd.

This document is produced by Cardno (Qld) Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the relevant Cardno (Qld) Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by any third party on the content of this document.

SHEET	A3
Project No:	7901-47-027
Date:	22 January 2014
Revision Number:	1
Designed by:	NE
Client Name:	Amex Corporation Pty Ltd

LEGEND

Peak Flood Level(mAHD)

1.50 to 2.50	28.50 to 29.50
2.50 to 3.50	29.50 to 30.50
3.50 to 4.50	30.50 to 31.50
4.50 to 5.50	31.50 to 32.50
5.50 to 6.50	32.50 to 33.50
6.50 to 7.50	33.50 to 34.50
7.50 to 8.50	34.50 to 35.50
8.50 to 9.50	35.50 to 36.50
9.50 to 10.50	36.50 to 37.50
10.50 to 11.50	37.50 to 38.50
11.50 to 12.50	38.50 to 39.50
12.50 to 13.50	39.50 to 40.50
13.50 to 14.50	40.50 to 41.50
14.50 to 15.50	41.50 to 42.50
15.50 to 16.50	42.50 to 43.50
16.50 to 17.50	43.50 to 44.50
17.50 to 18.50	44.50 to 45.50
18.50 to 19.50	45.50 to 46.50
19.50 to 20.50	46.50 to 47.50
20.50 to 21.50	47.50 to 48.50
21.50 to 22.50	48.50 to 49.50
22.50 to 23.50	49.50 to 50.50
23.50 to 24.50	50.50 to 51.50
24.50 to 25.50	51.50 to 52.50
25.50 to 26.50	52.50 to 53.50
26.50 to 27.50	53.50 to 54.50
27.50 to 28.50	54.50 to 55.50



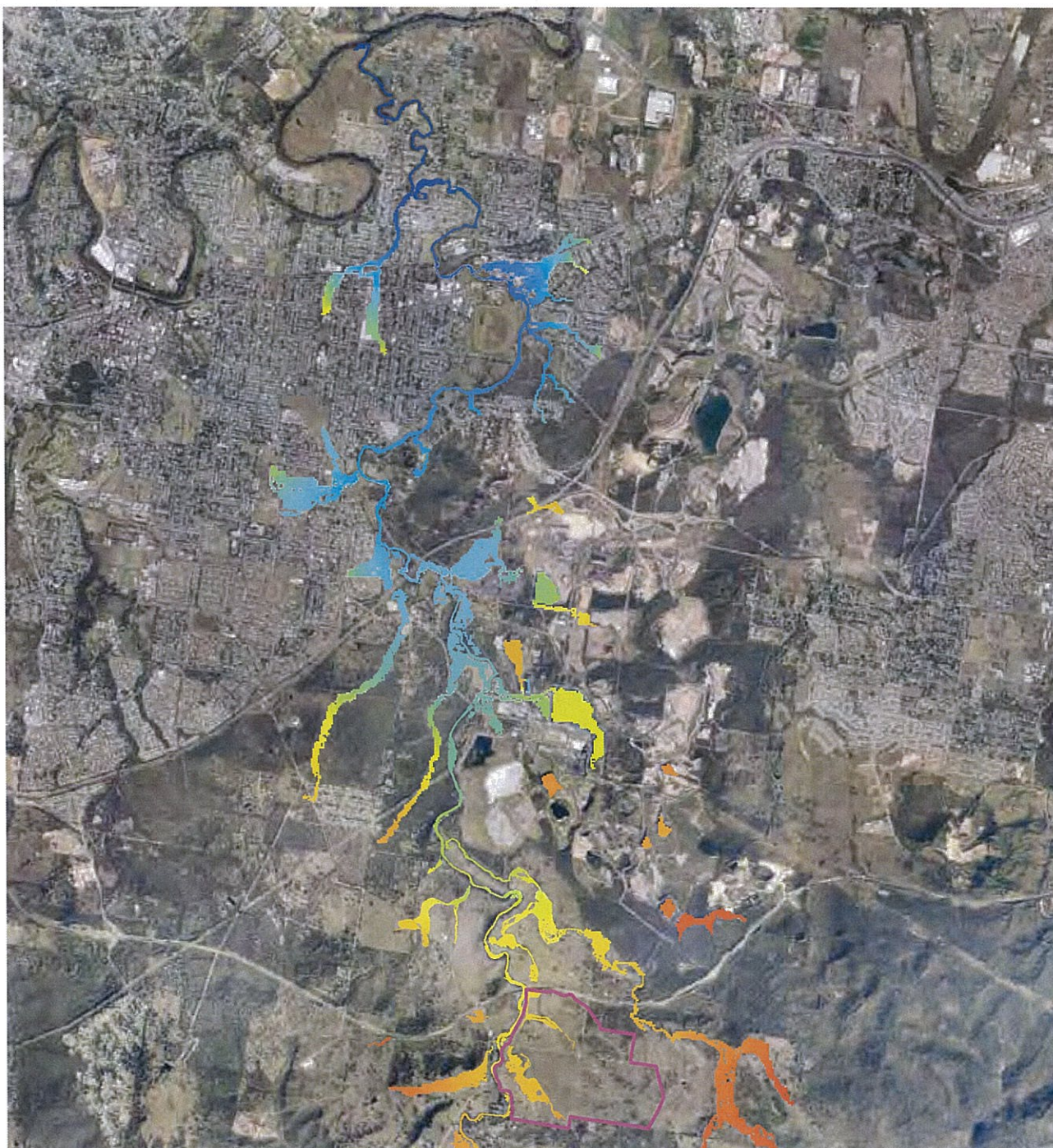
Figure B7

Stages 1 to 3 Q2 Flood Extent

Ripley Valley Secondary Urban Centre East

Scale: 1:50,000





Cardno (Qld) Pty Ltd | ABN 57 051 074 992
Level 11, North Tower, 515 St Pauls Terrace
Locked Bag 4006, Fortitude Valley QLD 4006
Tel: 07 3369 9822 Fax: 07 3369 9722

© 2012 Cardno (Qld) Pty Ltd All Rights Reserved. Copyright in the whole and every part of this document belongs to Cardno (Qld) Pty Ltd and may not be used, sold, transferred, copied or reproduced in whole or in part in any manner or form or in any media to any person without the prior written consent of Cardno (Qld) Pty Ltd.

This document is produced by Cardno (Qld) Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the relevant Cardno (Qld) Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by any third party on the content of this document.

SHEET	A3
Project No:	7901-47-027
Date:	22 January 2014
Revision Number:	1
Designed by:	NE
Client Name:	Amex Corporation Pty Ltd

LEGEND

Peak Flood Level(mAHd)

1.50 to 2.50	28.50 to 29.50
2.50 to 3.50	29.50 to 30.50
3.50 to 4.50	30.50 to 31.50
4.50 to 5.50	31.50 to 32.50
5.50 to 6.50	32.50 to 33.50
6.50 to 7.50	33.50 to 34.50
7.50 to 8.50	34.50 to 35.50
8.50 to 9.50	35.50 to 36.50
9.50 to 10.50	36.50 to 37.50
10.50 to 11.50	37.50 to 38.50
11.50 to 12.50	38.50 to 39.50
12.50 to 13.50	39.50 to 40.50
13.50 to 14.50	40.50 to 41.50
14.50 to 15.50	41.50 to 42.50
15.50 to 16.50	42.50 to 43.50
16.50 to 17.50	43.50 to 44.50
17.50 to 18.50	44.50 to 45.50
18.50 to 19.50	45.50 to 46.50
19.50 to 20.50	46.50 to 47.50
20.50 to 21.50	47.50 to 48.50
21.50 to 22.50	48.50 to 49.50
22.50 to 23.50	49.50 to 50.50
23.50 to 24.50	50.50 to 51.50
24.50 to 25.50	51.50 to 52.50
25.50 to 26.50	52.50 to 53.50
26.50 to 27.50	53.50 to 54.50
27.50 to 28.50	54.50 to 55.50

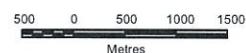


Figure B8

Stages 1 to 3 Q1 Flood Extent

Ripley Valley Secondary Urban Centre East

Scale: 1:50,000

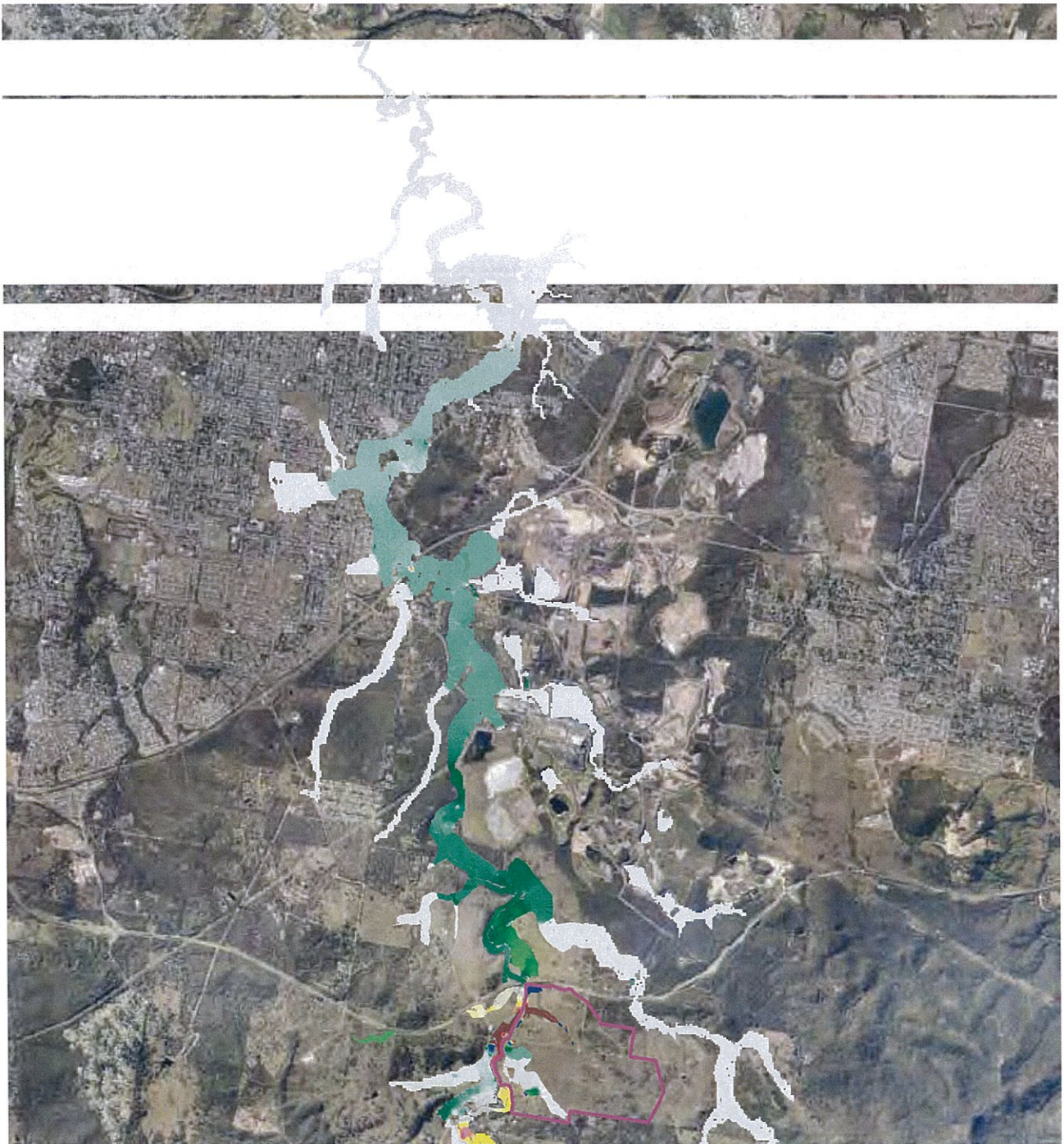


Stages 1-3 Addendum Flood Report

APPENDIX

C

FLOOD MODELLING RESULTS - AFFLUX



Cardno (QLD) Pty Ltd | ABN 57 051 074 992
Level 11, North Tower, 515 St Pauls Terrace
Locked Bag 4006, Fortitude Valley QLD 4006
Tel: 07 3369 9822 Fax: 07 3369 9722

© 2012 Cardno (Qld) Pty Ltd All Rights Reserved. Copyright in the whole and every part of this document belongs to Cardno (Qld) Pty Ltd and may not be used, sold, transferred, copied or reproduced in whole or in part in any manner or form or in any media to any person without the prior written consent of Cardno (Qld) Pty Ltd.

This document is produced by Cardno (Qld) Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the contract. Cardno (Qld) Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by any third party on the content of this document.

SHEET	A3
Project No:	7901-47-027
Date:	22 January 2014
Revision Number:	3
Designed by:	NE
Client Name:	Amex Corporation Pty Ltd

LEGEND

Afflux(m)
-0.05 to -0.04
-0.04 to -0.03
-0.03 to -0.02
-0.02 to -0.01
-0.01 to 0.00
0.00 to 0.01
0.01 to 0.02
0.02 to 0.03
0.03 to 0.04
0.04 to 0.05
0.05 to 0.06
0.06 to 0.07
0.07 to 0.08
0.08 to 0.09
0.09 to 0.10
0.10 to 0.11
0.11 to 0.12
0.12 to 0.13
0.13 to 0.14
0.14 to 0.15



Figure C1

Stages 1 to 3 Q100 Afflux

Ripley Valley Secondary Urban Centre East

Scale: 1:50,000

