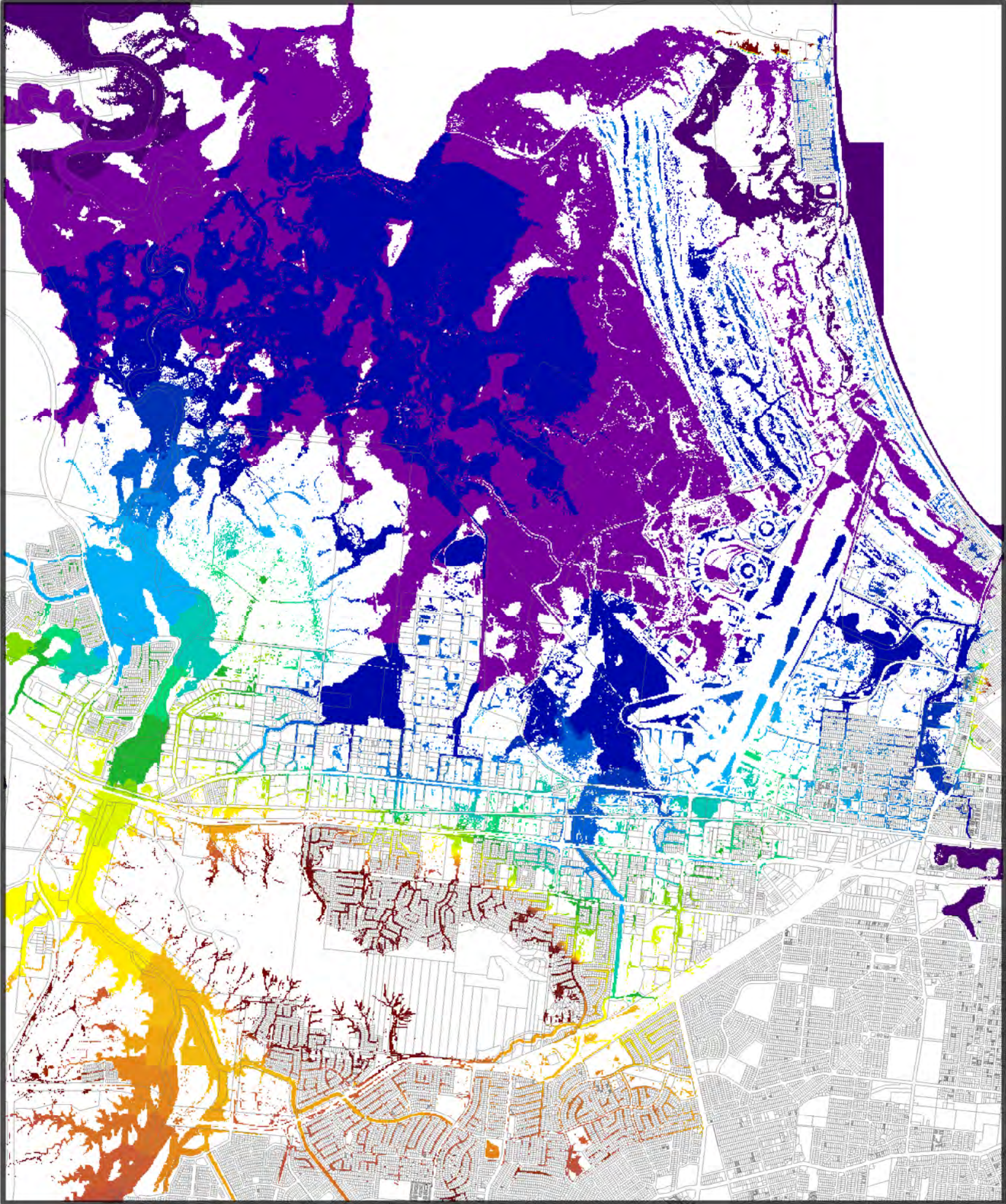




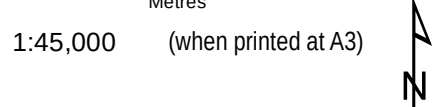
Water Levels (m AHD)

- Below 2.0
- 2.0 - 2.5
- 2.5 - 3.0
- 3.0 - 3.5
- 3.5 - 4.0
- 4.0 - 4.5
- 4.5 - 5.0
- 5.0 - 5.5
- 5.5 - 6.0
- 6.0 - 6.5
- 6.5 - 7.0
- 7.0 - 7.5
- 7.5 - 8.0
- 8.0 - 8.5
- 8.5 - 9.0
- 9.0 - 9.5
- 9.5 - 10.0
- 10.0 - 10.5
- 10.5 - 11.0
- 11.0 - 11.5
- 11.5 - 12.0
- 12.0 - 12.5
- Above 12.5

0 500 1,000 2,000

Metres

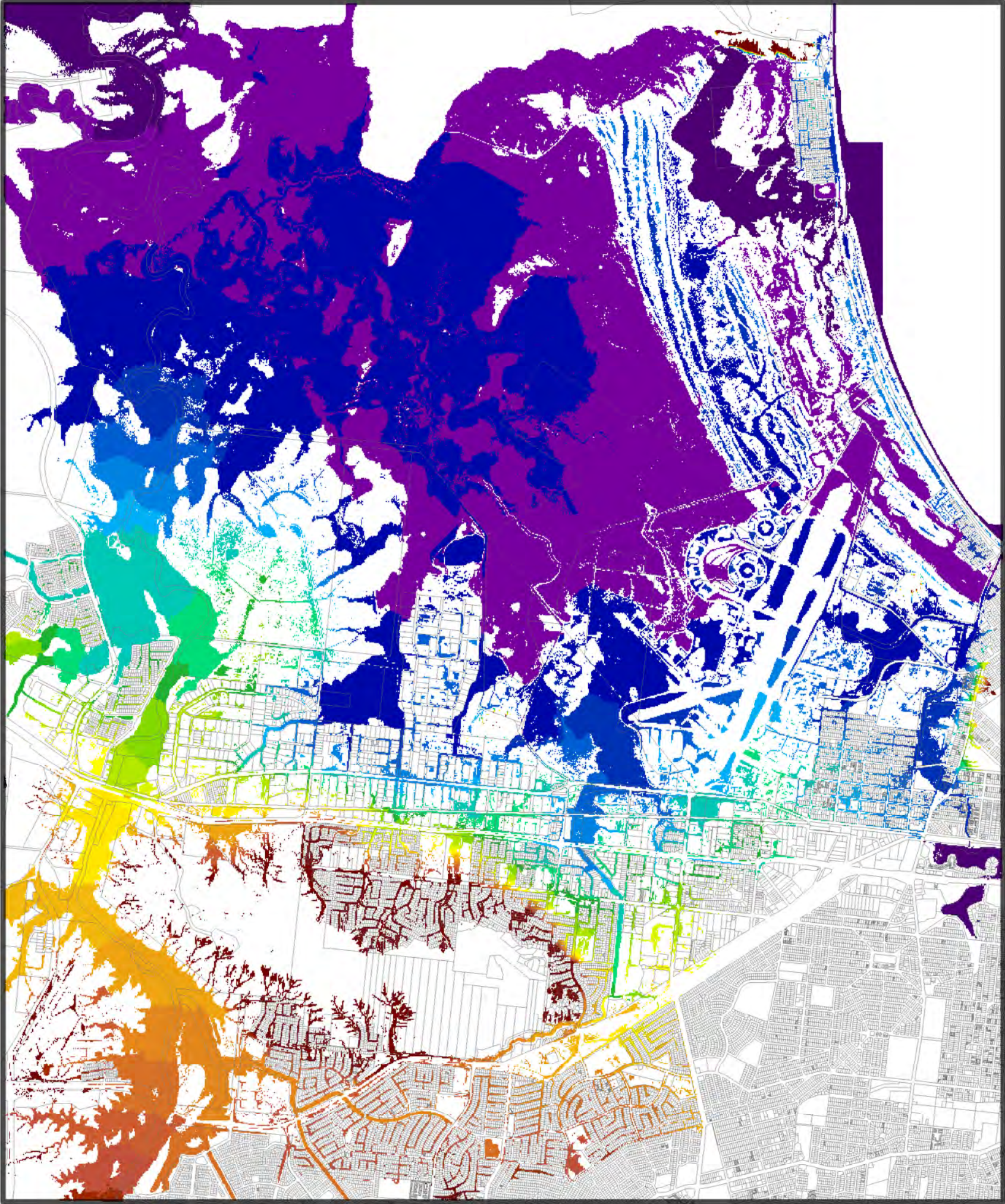
1:45,000 (when printed at A3)



Coordinate System: GDA 1994 MGA Zone 55

Data sources:
Roads © 2012 (StreetPro)
Localities © 2012 (Queensland Govt)

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Water Levels (m AHD)

- Below 2.0
- 2.0 - 2.5
- 2.5 - 3.0
- 3.0 - 3.5
- 3.5 - 4.0
- 4.0 - 4.5
- 4.5 - 5.0
- 5.0 - 5.5
- 5.5 - 6.0
- 6.0 - 6.5
- 6.5 - 7.0
- 7.0 - 7.5
- 7.5 - 8.0
- 8.0 - 8.5
- 8.5 - 9.0
- 9.0 - 9.5
- 9.5 - 10.0
- 10.0 - 10.5
- 10.5 - 11.0
- 11.0 - 11.5
- 11.5 - 12.0
- 12.0 - 12.5
- Above 12.5

0 500 1,000 2,000
Metres

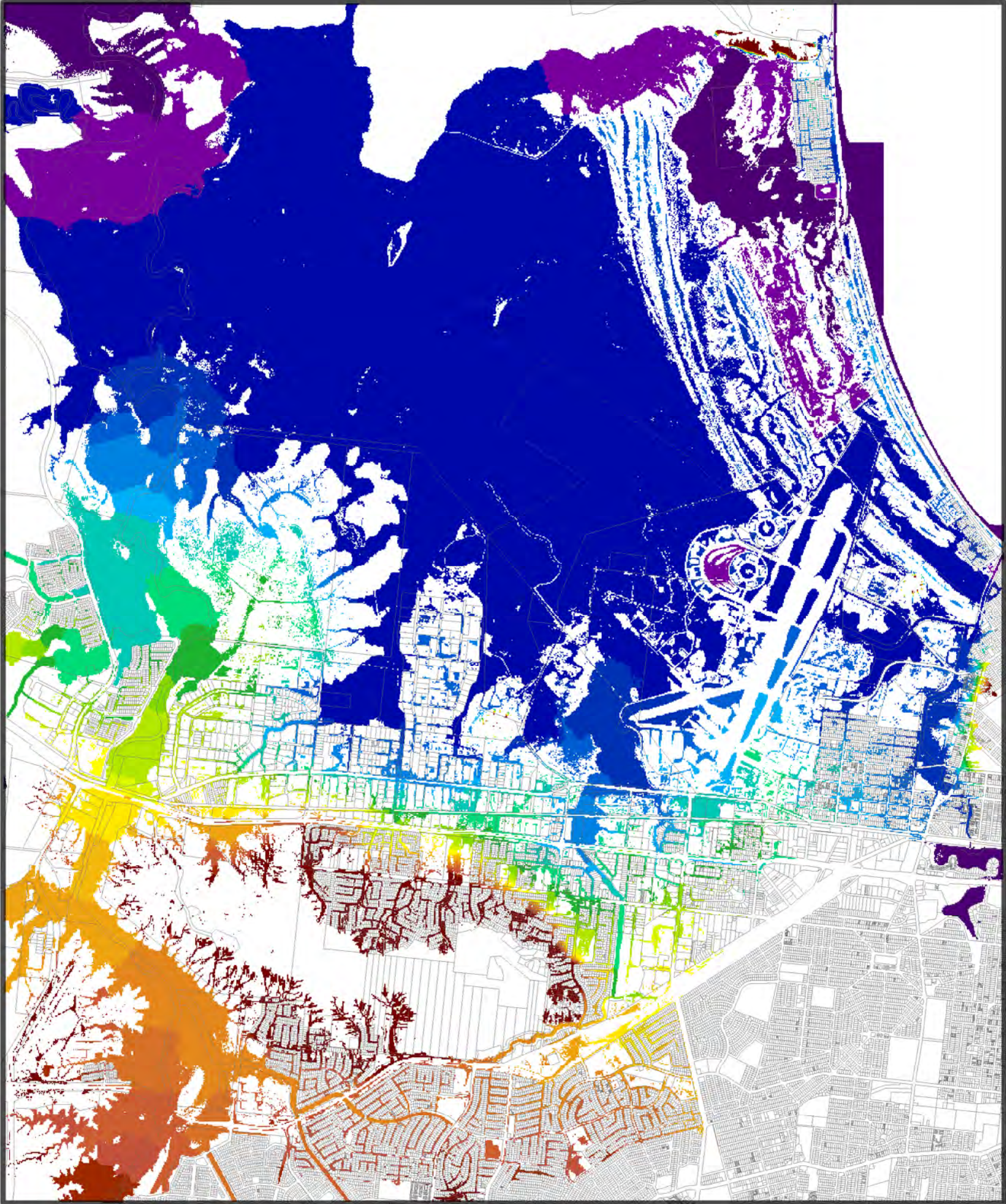
1:45,000 (when printed at A3)

Coordinate System: GDA 1994 MGA Zone 55

Data sources:
Roads © 2012 (StreetPro)
Localities © 2012 (Queensland Govt)

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www.aecom.com

Maximum Water Surface Levels
10 year ARI
Appendix Figure A12



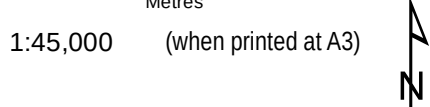
Water Levels (m AHD)

- Below 2.0
- 2.0 - 2.5
- 2.5 - 3.0
- 3.0 - 3.5
- 3.5 - 4.0
- 4.0 - 4.5
- 4.5 - 5.0
- 5.0 - 5.5
- 5.5 - 6.0
- 6.0 - 6.5
- 6.5 - 7.0
- 7.0 - 7.5
- 7.5 - 8.0
- 8.0 - 8.5
- 8.5 - 9.0
- 9.0 - 9.5
- 9.5 - 10.0
- 10.0 - 10.5
- 10.5 - 11.0
- 11.0 - 11.5
- 11.5 - 12.0
- 12.0 - 12.5
- Above 12.5

0 500 1,000 2,000

Metres

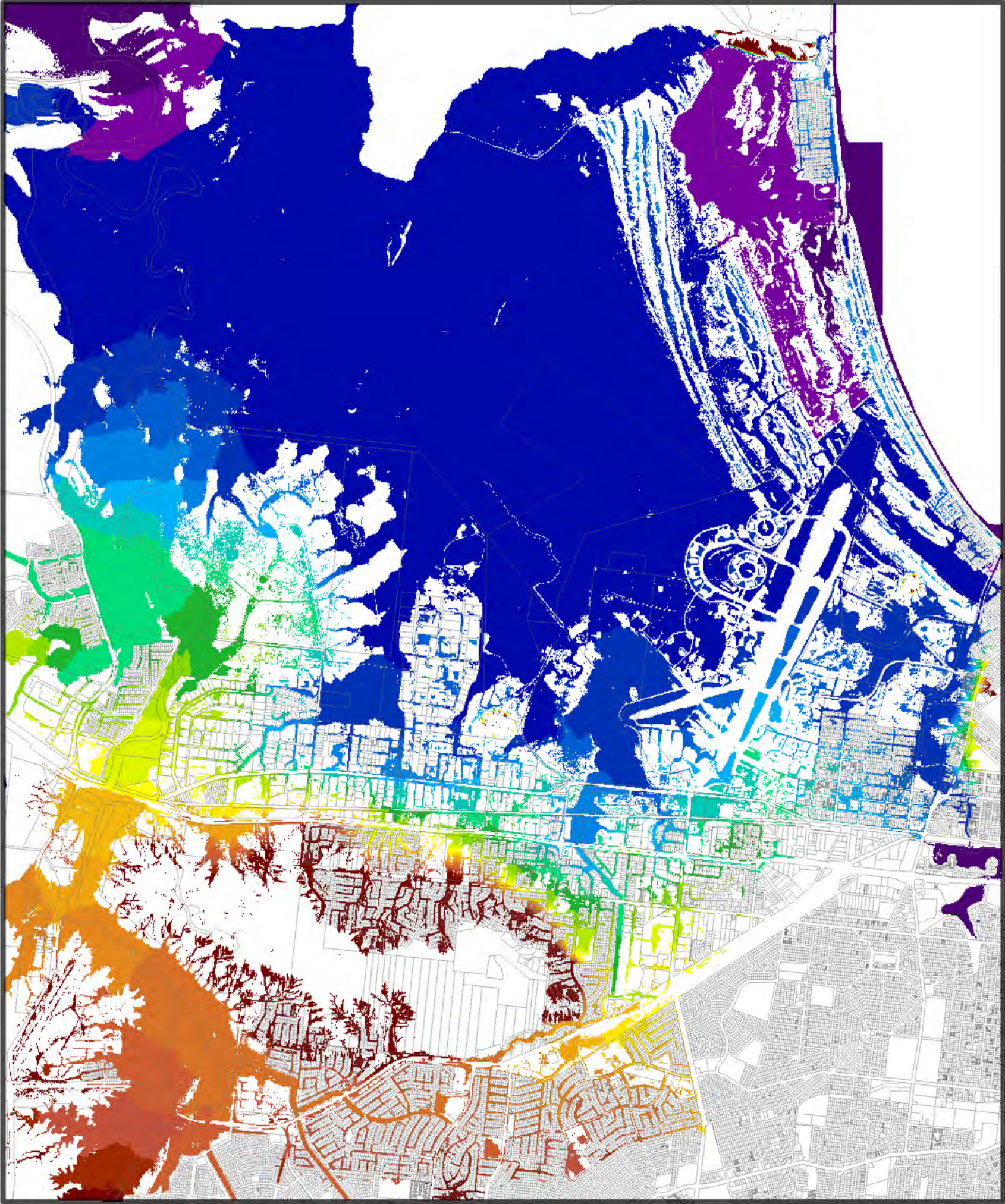
1:45,000 (when printed at A3)



Coordinate System: GDA 1994 MGA Zone 55

Data sources:
Roads © 2012 (StreetPro)
Localities © 2012 (Queensland Govt)

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Water Levels (m AHD)

- Below 2.0
- 2.0 - 2.5
- 2.5 - 3.0
- 3.0 - 3.5
- 3.5 - 4.0
- 4.0 - 4.5
- 4.5 - 5.0
- 5.0 - 5.5
- 5.5 - 6.0
- 6.0 - 6.5
- 6.5 - 7.0
- 7.0 - 7.5
- 7.5 - 8.0
- 8.0 - 8.5
- 8.5 - 9.0
- 9.0 - 9.5
- 9.5 - 10.0
- 10.0 - 10.5
- 10.5 - 11.0
- 11.0 - 11.5
- 11.5 - 12.0
- 12.0 - 12.5
- Above 12.5

0 500 1,000 2,000

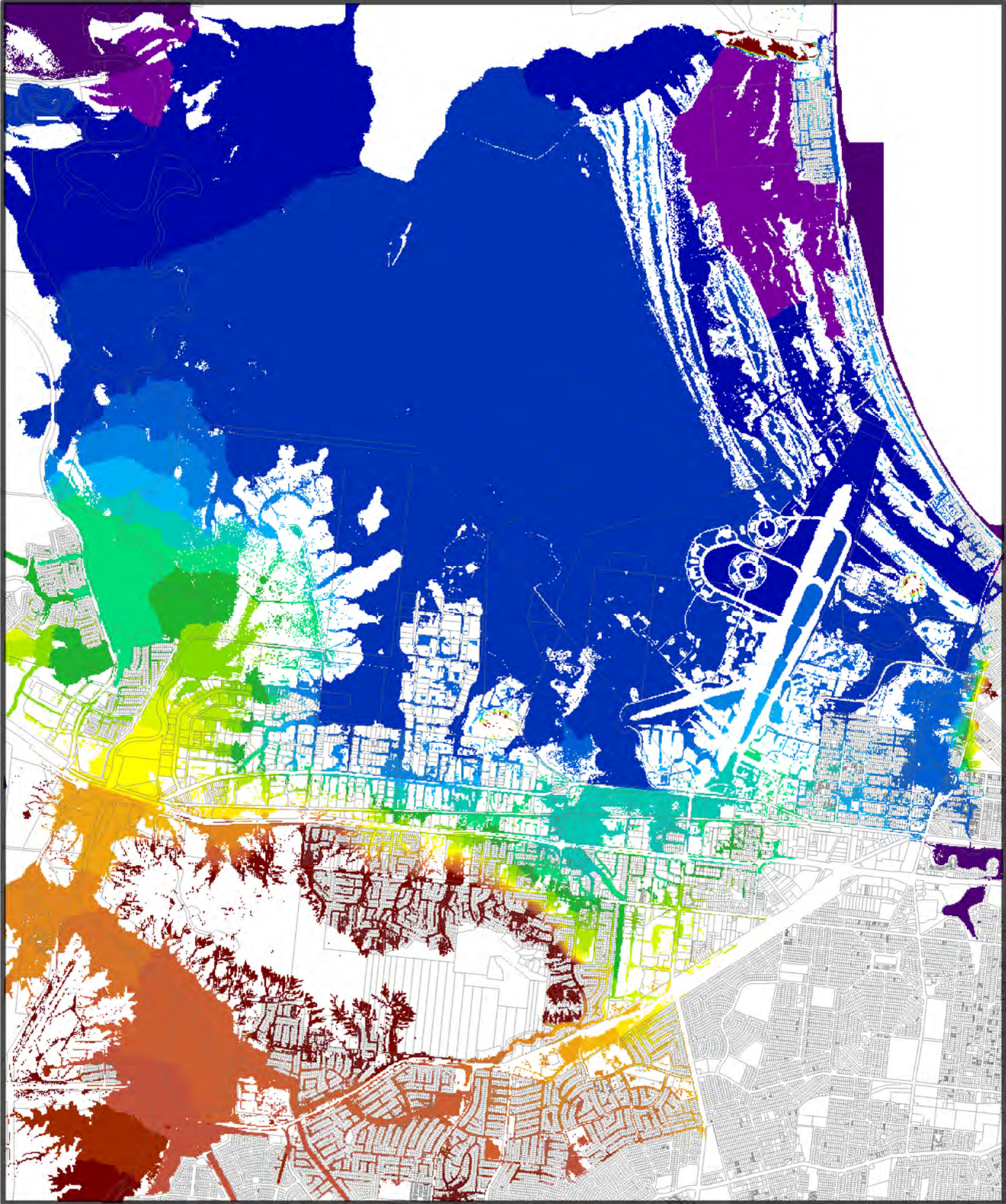
Metres

1:45,000 (when printed at A3)

Coordinate System: GDA 1994 MGA Zone 55

Data sources:
Roads © 2012 (StreetPro)
Localities © 2012 (Queensland Govt)

AECOM
www.aecom.com

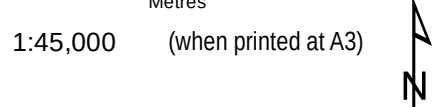


Water Levels (m AHD)

- Below 2.0
- 2.0 - 2.5
- 2.5 - 3.0
- 3.0 - 3.5
- 3.5 - 4.0
- 4.0 - 4.5
- 4.5 - 5.0
- 5.0 - 5.5
- 5.5 - 6.0
- 6.0 - 6.5
- 6.5 - 7.0
- 7.0 - 7.5
- 7.5 - 8.0
- 8.0 - 8.5
- 8.5 - 9.0
- 9.0 - 9.5
- 9.5 - 10.0
- 10.0 - 10.5
- 10.5 - 11.0
- 11.0 - 11.5
- 11.5 - 12.0
- 12.0 - 12.5
- Above 12.5

0 500 1,000 2,000
Metres

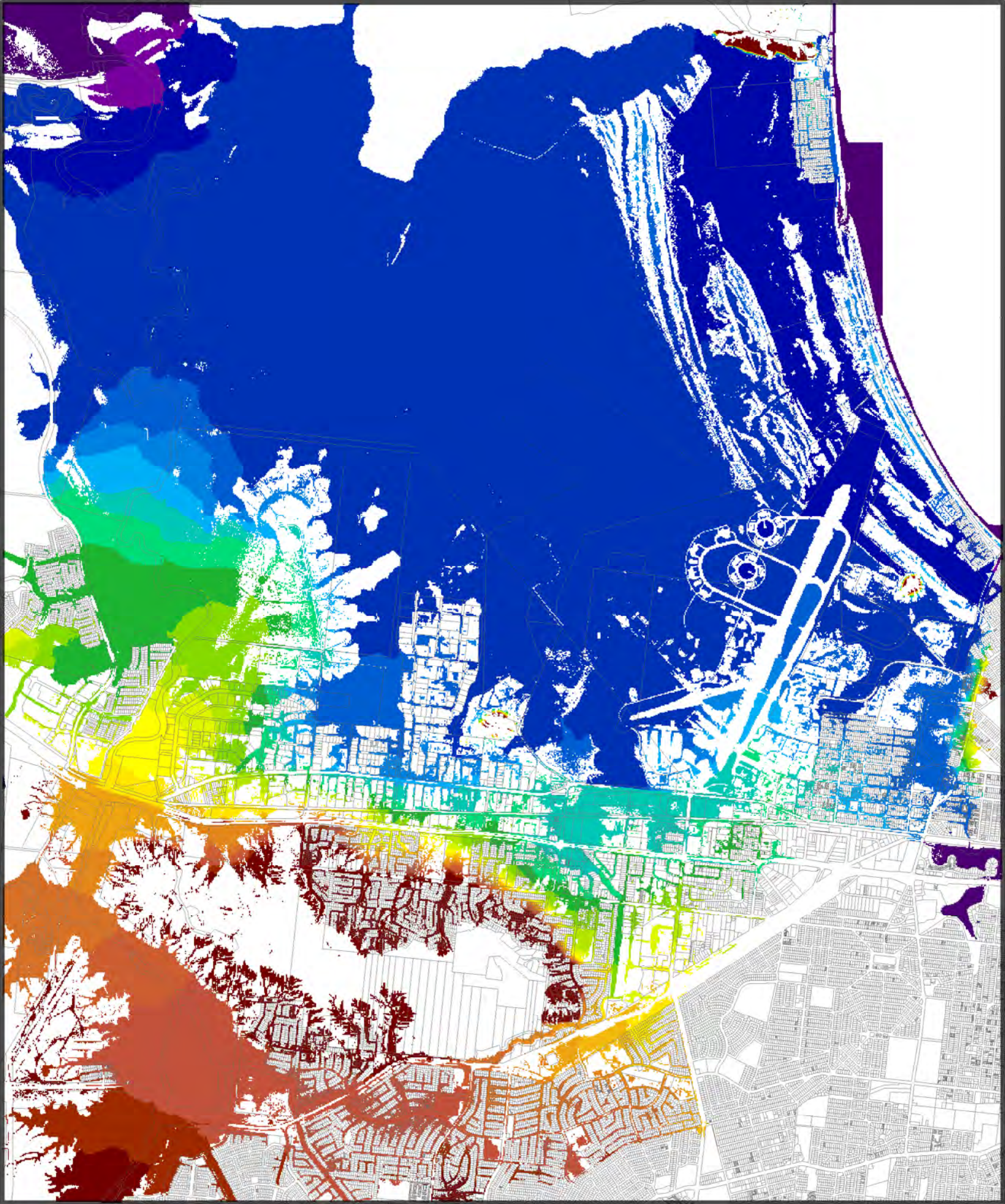
1:45,000 (when printed at A3)



Coordinate System: GDA 1994 MGA Zone 55

Data sources:
Roads © 2012 (StreetPro)
Localities © 2012 (Queensland Govt)

AECOM
www.aecom.com



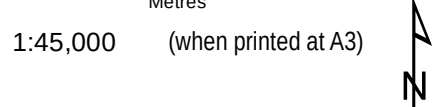
Water Levels (m AHD)

- Below 2.0
- 2.0 - 2.5
- 2.5 - 3.0
- 3.0 - 3.5
- 3.5 - 4.0
- 4.0 - 4.5
- 4.5 - 5.0
- 5.0 - 5.5
- 5.5 - 6.0
- 6.0 - 6.5
- 6.5 - 7.0
- 7.0 - 7.5
- 7.5 - 8.0
- 8.0 - 8.5
- 8.5 - 9.0
- 9.0 - 9.5
- 9.5 - 10.0
- 10.0 - 10.5
- 10.5 - 11.0
- 11.0 - 11.5
- 11.5 - 12.0
- 12.0 - 12.5
- Above 12.5

0 500 1,000 2,000

Metres

1:45,000 (when printed at A3)

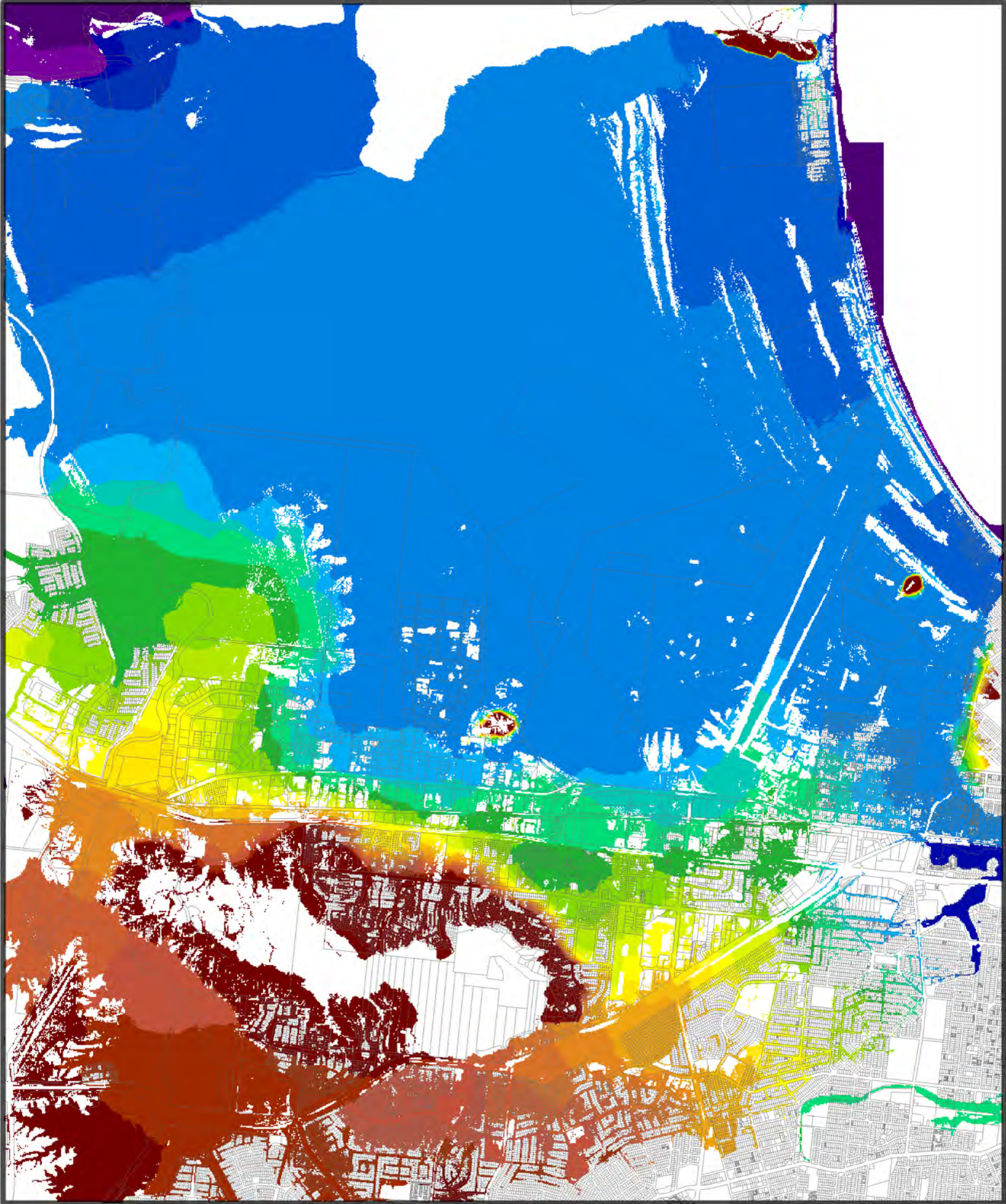


Coordinate System: GDA 1994 MGA Zone 55

Data sources:
Roads © 2012 (StreetPro)
Localities © 2012 (Queensland Govt)

AECOM
www.aecom.com

Maximum Water Surface Levels
200 year ARI
Appendix Figure A16



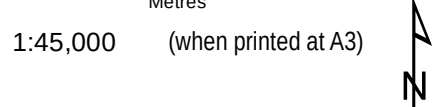
Water Levels (m AHD)

- Below 2.0
- 2.0 - 2.5
- 2.5 - 3.0
- 3.0 - 3.5
- 3.5 - 4.0
- 4.0 - 4.5
- 4.5 - 5.0
- 5.0 - 5.5
- 5.5 - 6.0
- 6.0 - 6.5
- 6.5 - 7.0
- 7.0 - 7.5
- 7.5 - 8.0
- 8.0 - 8.5
- 8.5 - 9.0
- 9.0 - 9.5
- 9.5 - 10.0
- 10.0 - 10.5
- 10.5 - 11.0
- 11.0 - 11.5
- 11.5 - 12.0
- 12.0 - 12.5
- Above 12.5

0 500 1,000 2,000

Metres

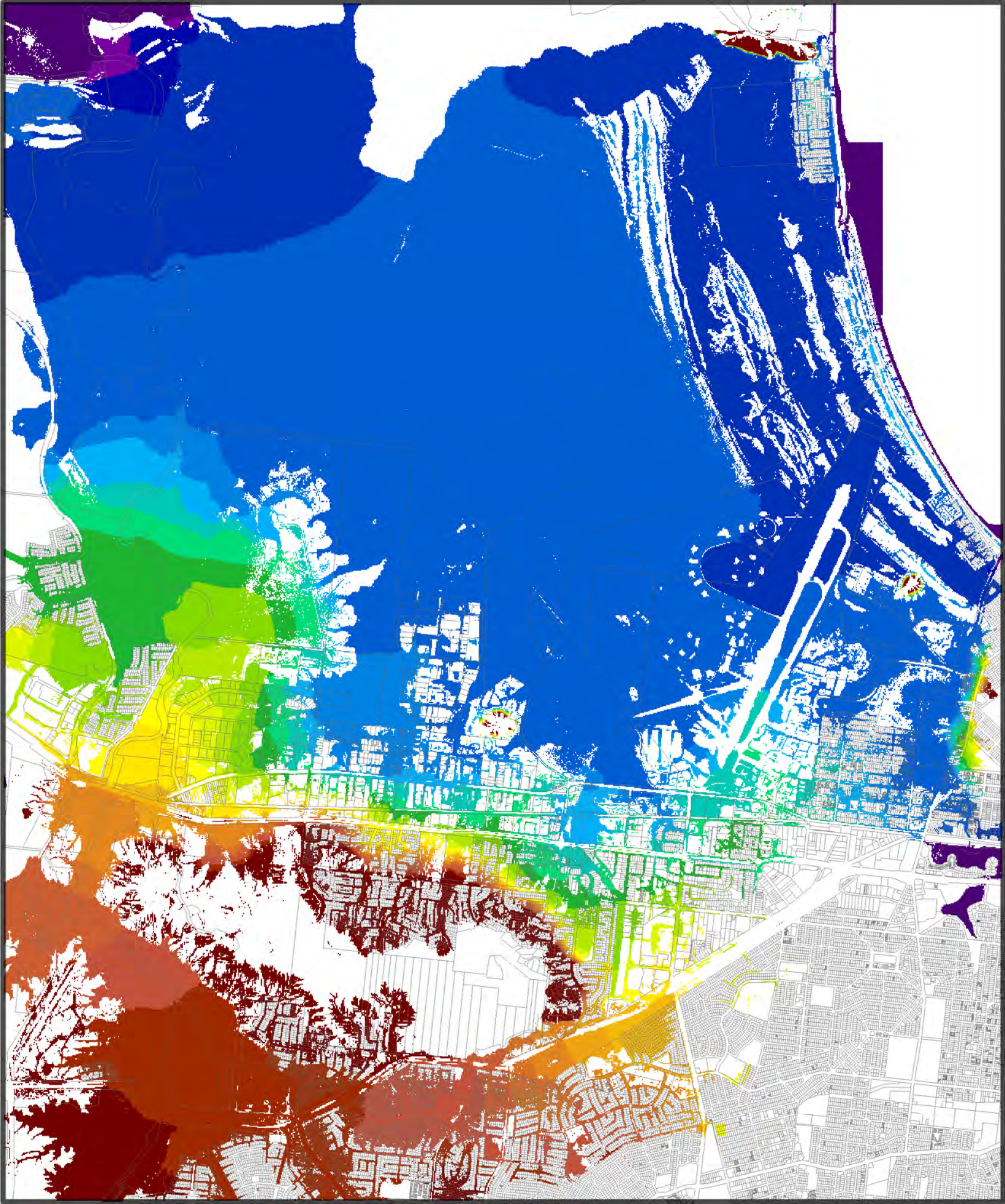
1:45,000 (when printed at A3)



Coordinate System: GDA 1994 MGA Zone 55

Data sources:
Roads © 2012 (StreetPro)
Localities © 2012 (Queensland Govt)

AECOM
www.aecom.com



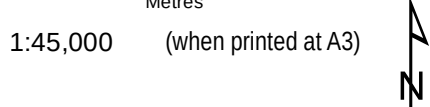
Water Levels (m AHD)

- Below 2.0
- 2.0 - 2.5
- 2.5 - 3.0
- 3.0 - 3.5
- 3.5 - 4.0
- 4.0 - 4.5
- 4.5 - 5.0
- 5.0 - 5.5
- 5.5 - 6.0
- 6.0 - 6.5
- 6.5 - 7.0
- 7.0 - 7.5
- 7.5 - 8.0
- 8.0 - 8.5
- 8.5 - 9.0
- 9.0 - 9.5
- 9.5 - 10.0
- 10.0 - 10.5
- 10.5 - 11.0
- 11.0 - 11.5
- 11.5 - 12.0
- 12.0 - 12.5
- Above 12.5

0 500 1,000 2,000

Metres

1:45,000 (when printed at A3)

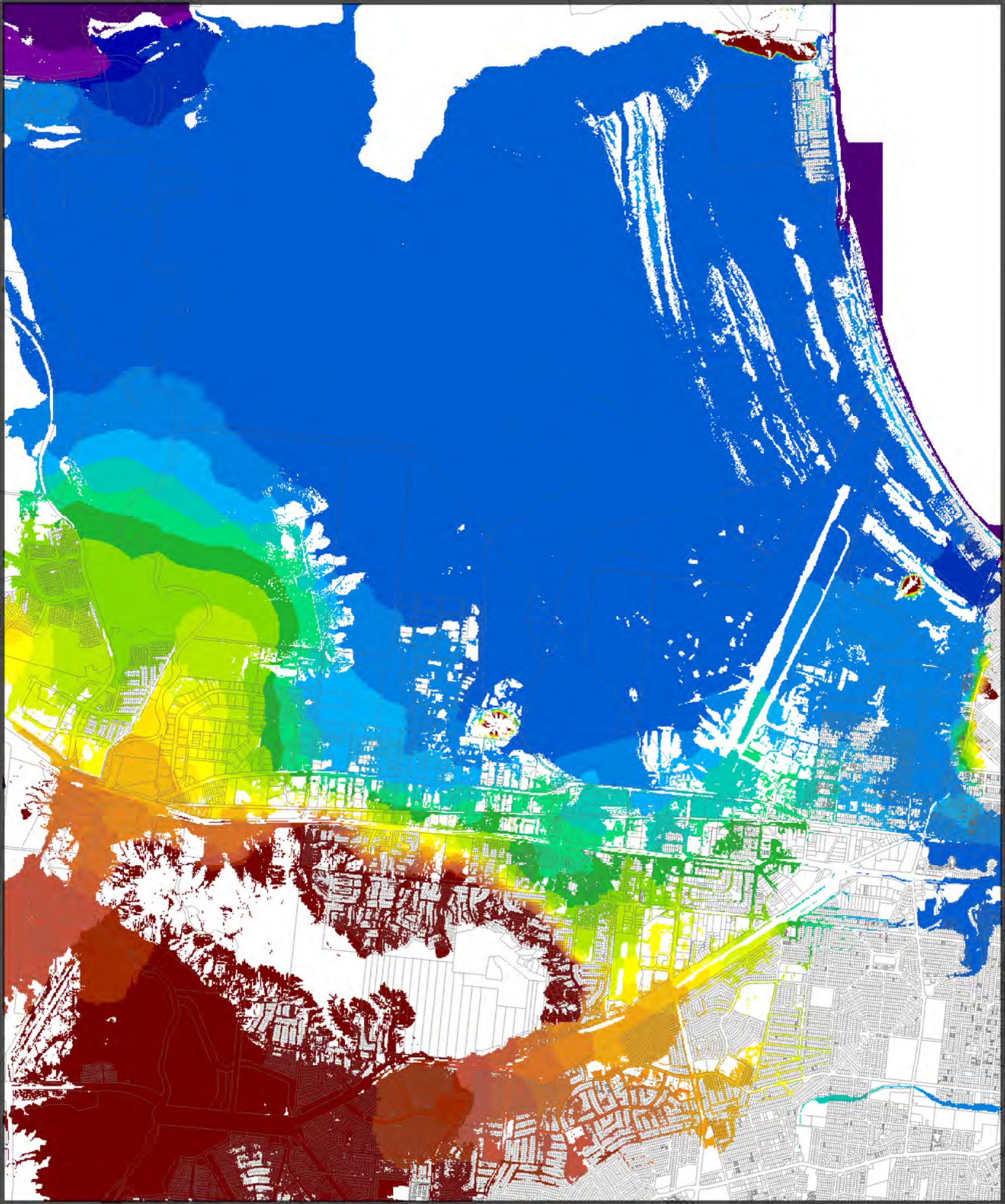


Coordinate System: GDA 1994 MGA Zone 55

Data sources:
Roads © 2012 (StreetPro)
Localities © 2012 (Queensland Govt)

AECOM
www.aecom.com

Maximum Water Surface Levels
PMF
Appendix Figure A18



Water Levels (m AHD)

- Below 2.0
- 2.0 - 2.5
- 2.5 - 3.0
- 3.0 - 3.5
- 3.5 - 4.0
- 4.0 - 4.5
- 4.5 - 5.0
- 5.0 - 5.5
- 5.5 - 6.0
- 6.0 - 6.5
- 6.5 - 7.0
- 7.0 - 7.5
- 7.5 - 8.0
- 8.0 - 8.5
- 8.5 - 9.0
- 9.0 - 9.5
- 9.5 - 10.0
- 10.0 - 10.5
- 10.5 - 11.0
- 11.0 - 11.5
- 11.5 - 12.0
- 12.0 - 12.5
- Above 12.5

0 500 1,000 2,000

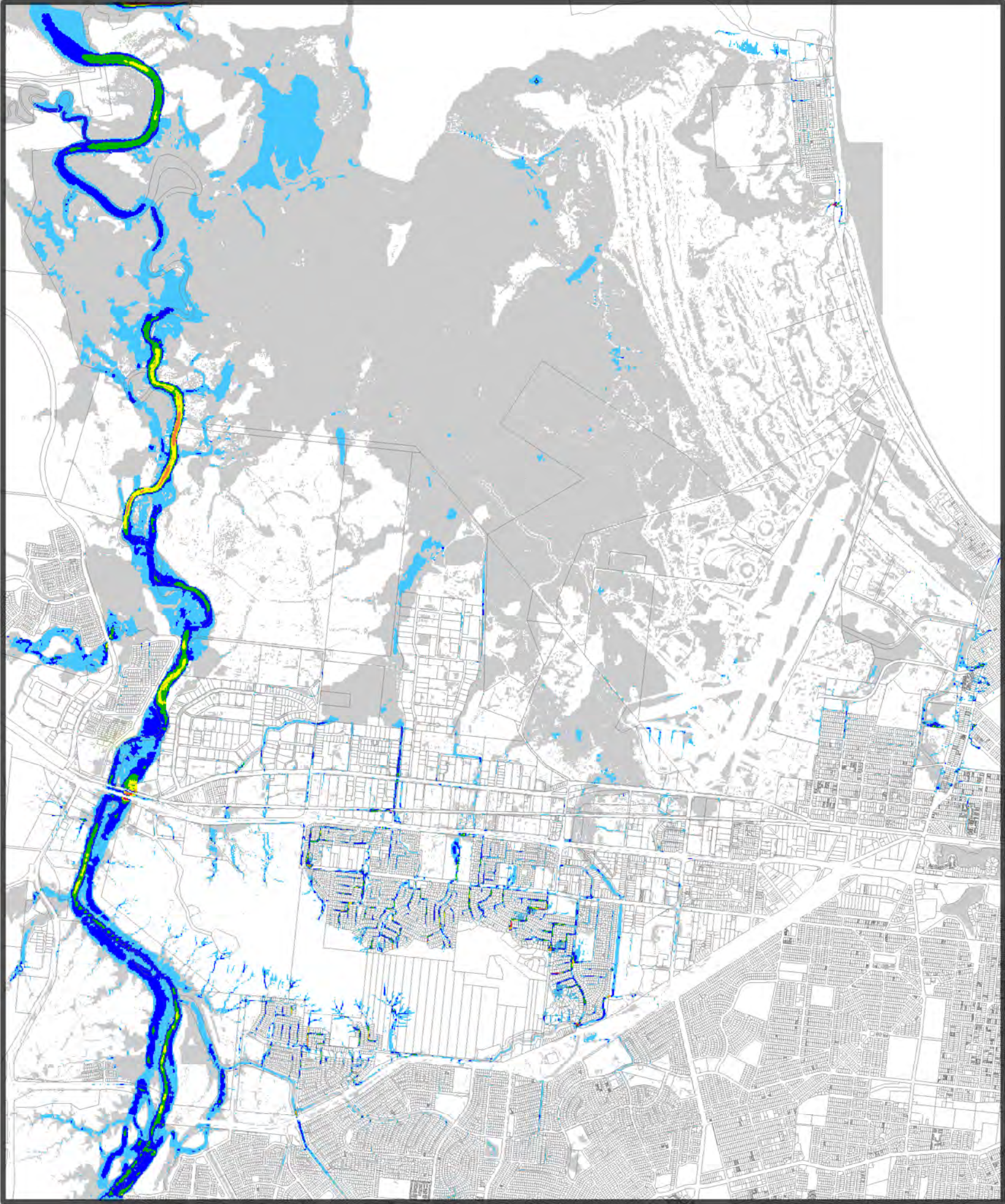
Metres

1:45,000 (when printed at A3)

Coordinate System: GDA 1994 MGA Zone 55

Data sources:
Roads © 2012 (StreetPro)
Localities © 2012 (Queensland Govt)

AECOM
www.aecom.com



Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.50
- 0.50 - 0.75
- 0.75 - 1.00
- 1.00 - 1.25
- 1.25 - 1.50
- 1.50 - 1.75
- 1.75 - 2.00
- Above 2

0 500 1,000 2,000

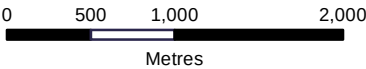
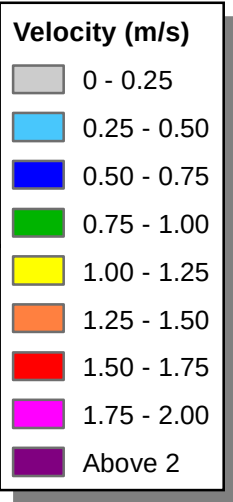
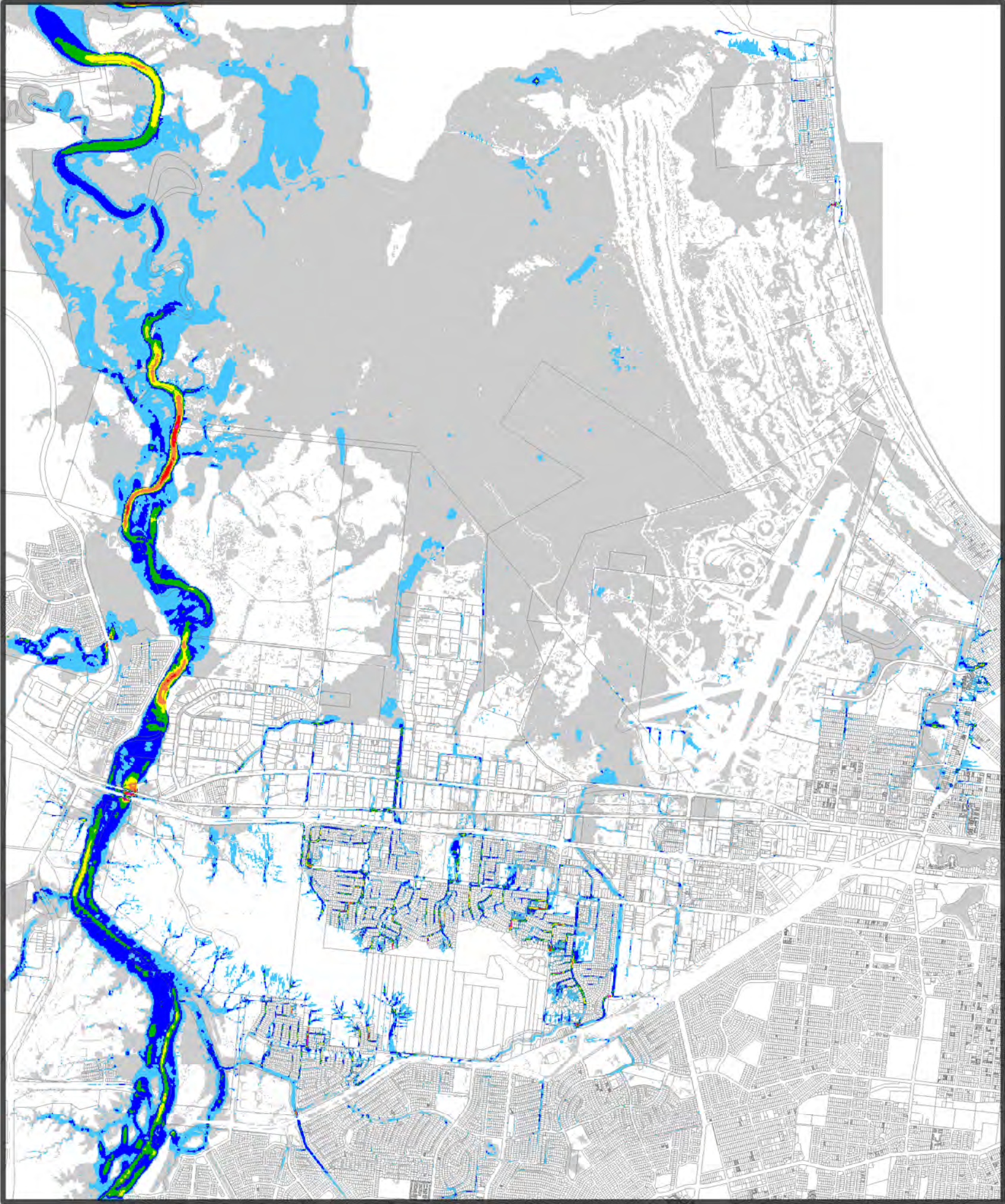
Metres

1:45,000 (when printed at A3)

Coordinate System: GDA 1994 MGA Zone 55

Data sources:
Roads © 2012 (StreetPro)
Localities © 2012 (Queensland Govt)

AECOM
www.aecom.com



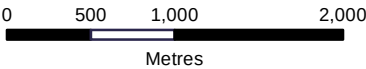
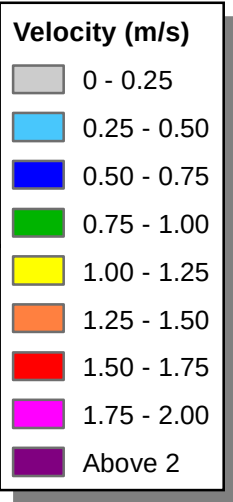
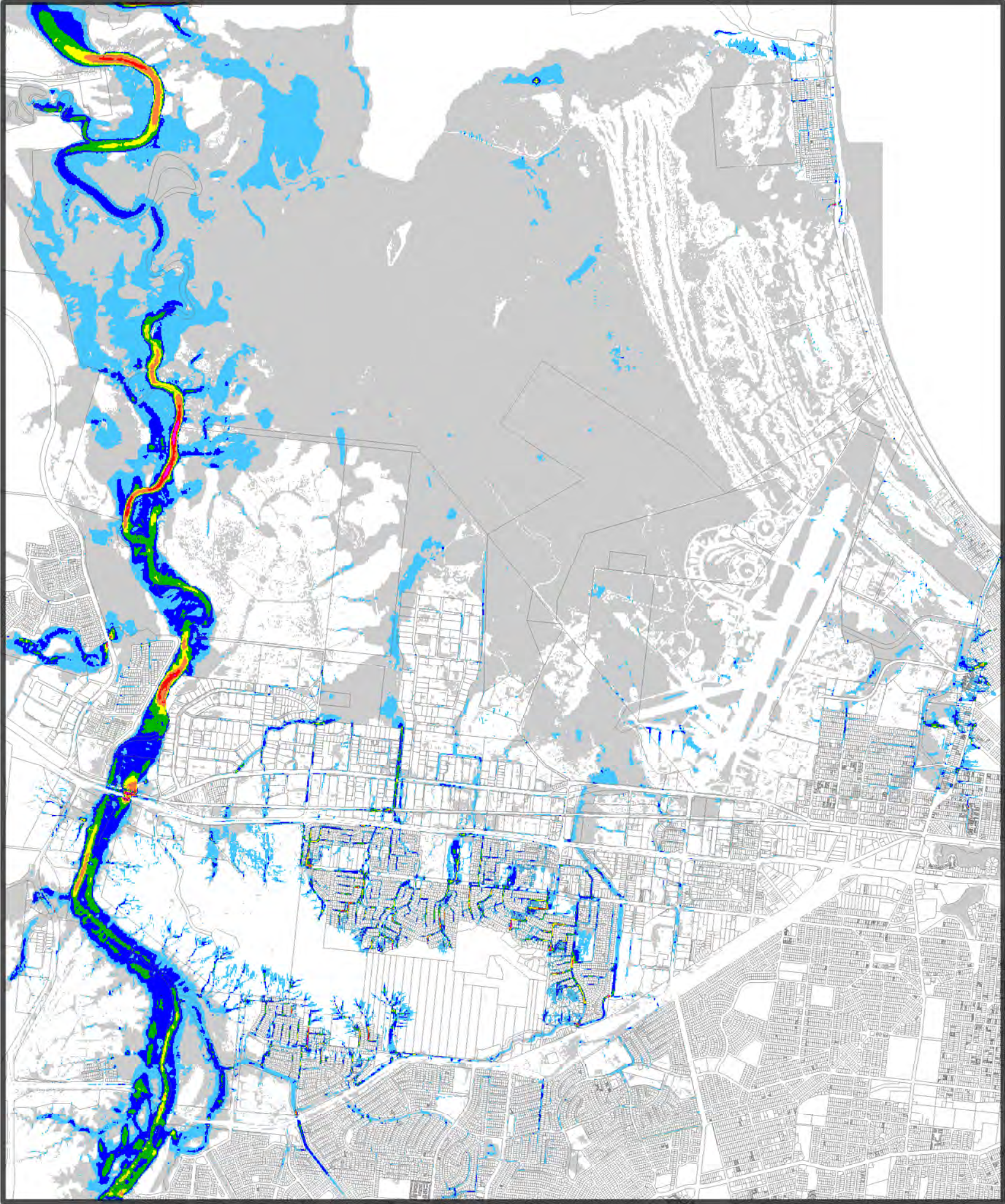
1:45,000 (when printed at A3)



Coordinate System: GDA 1994 MGA Zone 55

Data sources:
Roads © 2012 (StreetPro)
Localities © 2012 (Queensland Govt)

Maximum Water Velocity
10 year ARI
Appendix Figure A21

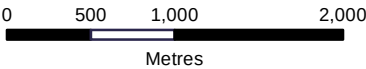
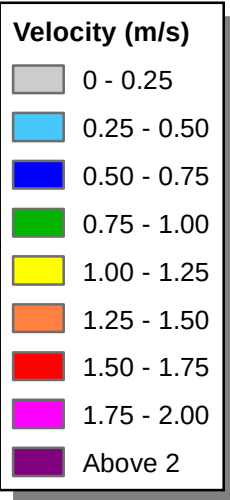
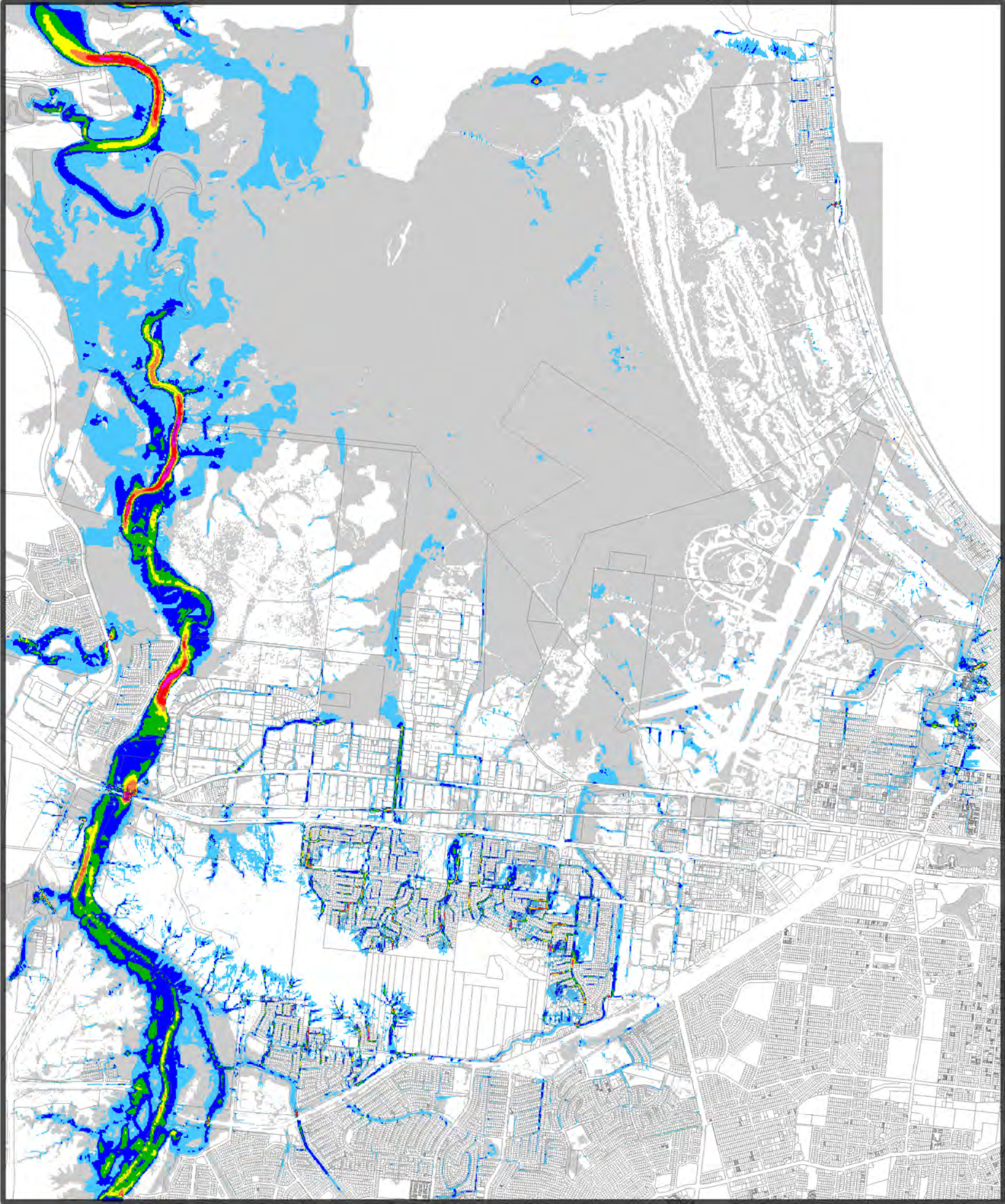


1:45,000 (when printed at A3)



Coordinate System: GDA 1994 MGA Zone 55

Data sources:
Roads © 2012 (StreetPro)
Localities © 2012 (Queensland Govt)



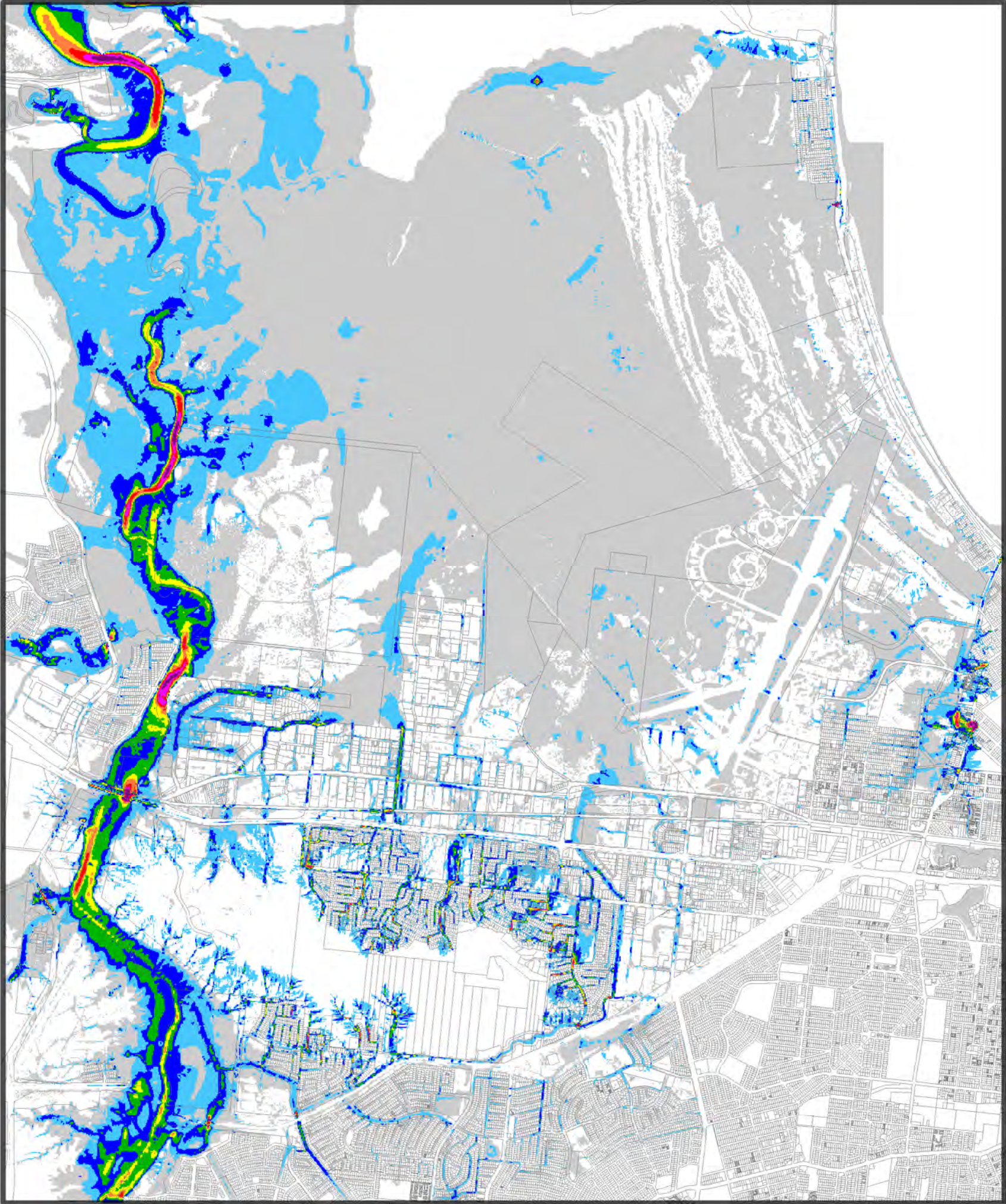
1:45,000 (when printed at A3)



Coordinate System: GDA 1994 MGA Zone 55

Data sources:
Roads © 2012 (StreetPro)
Localities © 2012 (Queensland Govt)

Maximum Water Velocity
50 year ARI
Appendix Figure A23



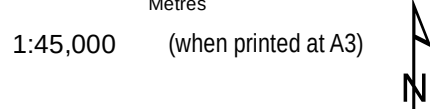
Velocity (m/s)

0 - 0.25
0.25 - 0.50
0.50 - 0.75
0.75 - 1.00
1.00 - 1.25
1.25 - 1.50
1.50 - 1.75
1.75 - 2.00
Above 2

0 500 1,000 2,000

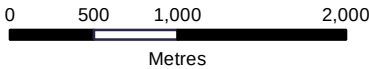
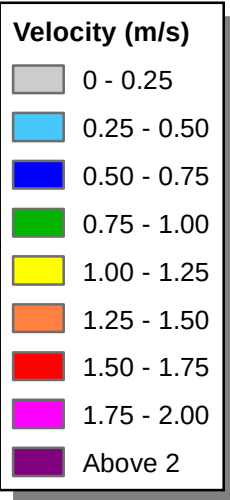
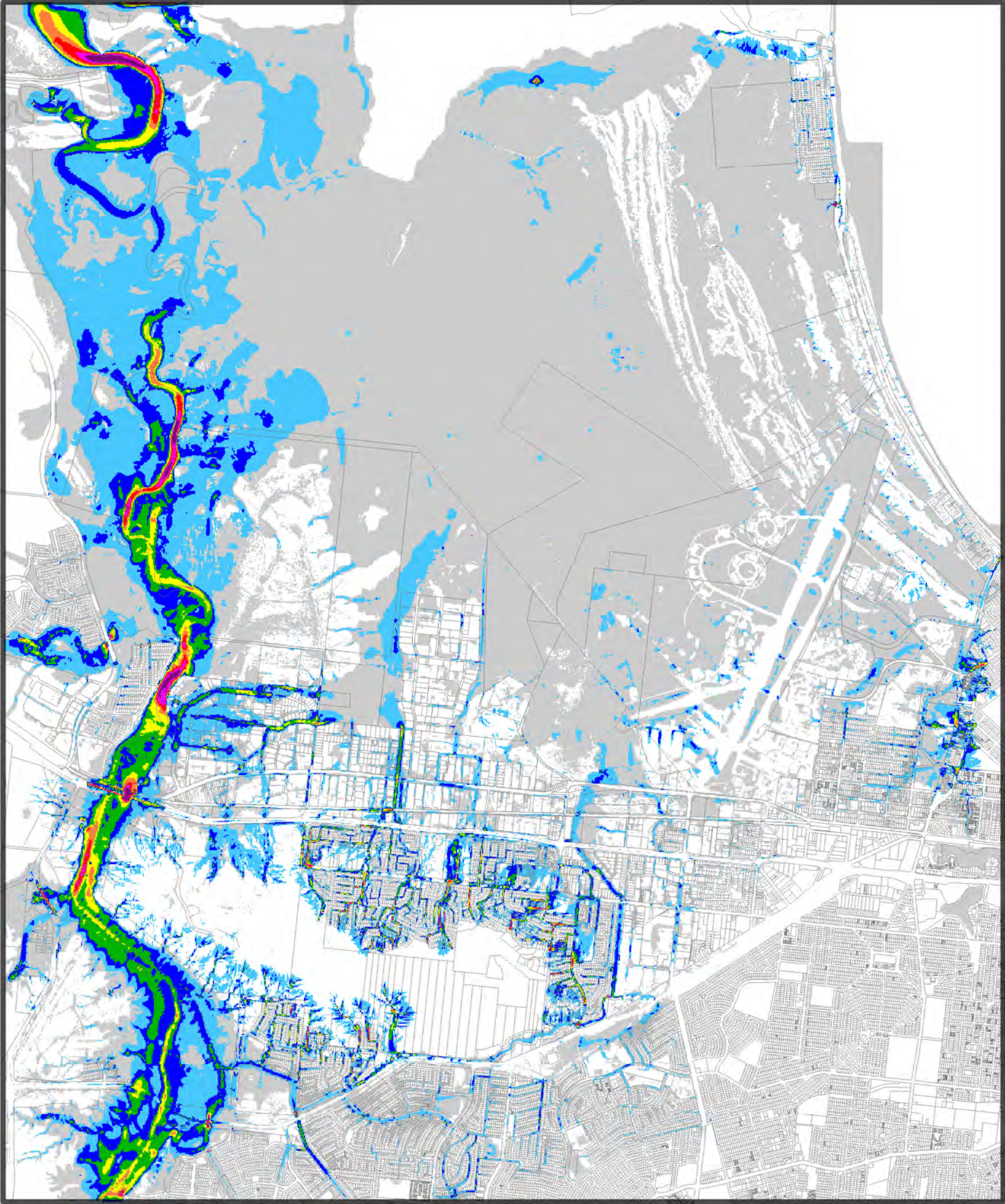
Metres

1:45,000 (when printed at A3)

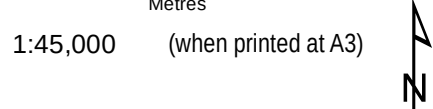


Coordinate System: GDA 1994 MGA Zone 55

Data sources:
Roads © 2012 (StreetPro)
Localities © 2012 (Queensland Govt)

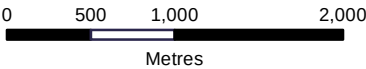
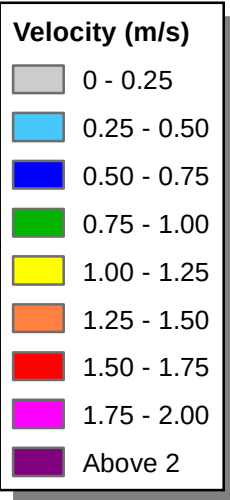
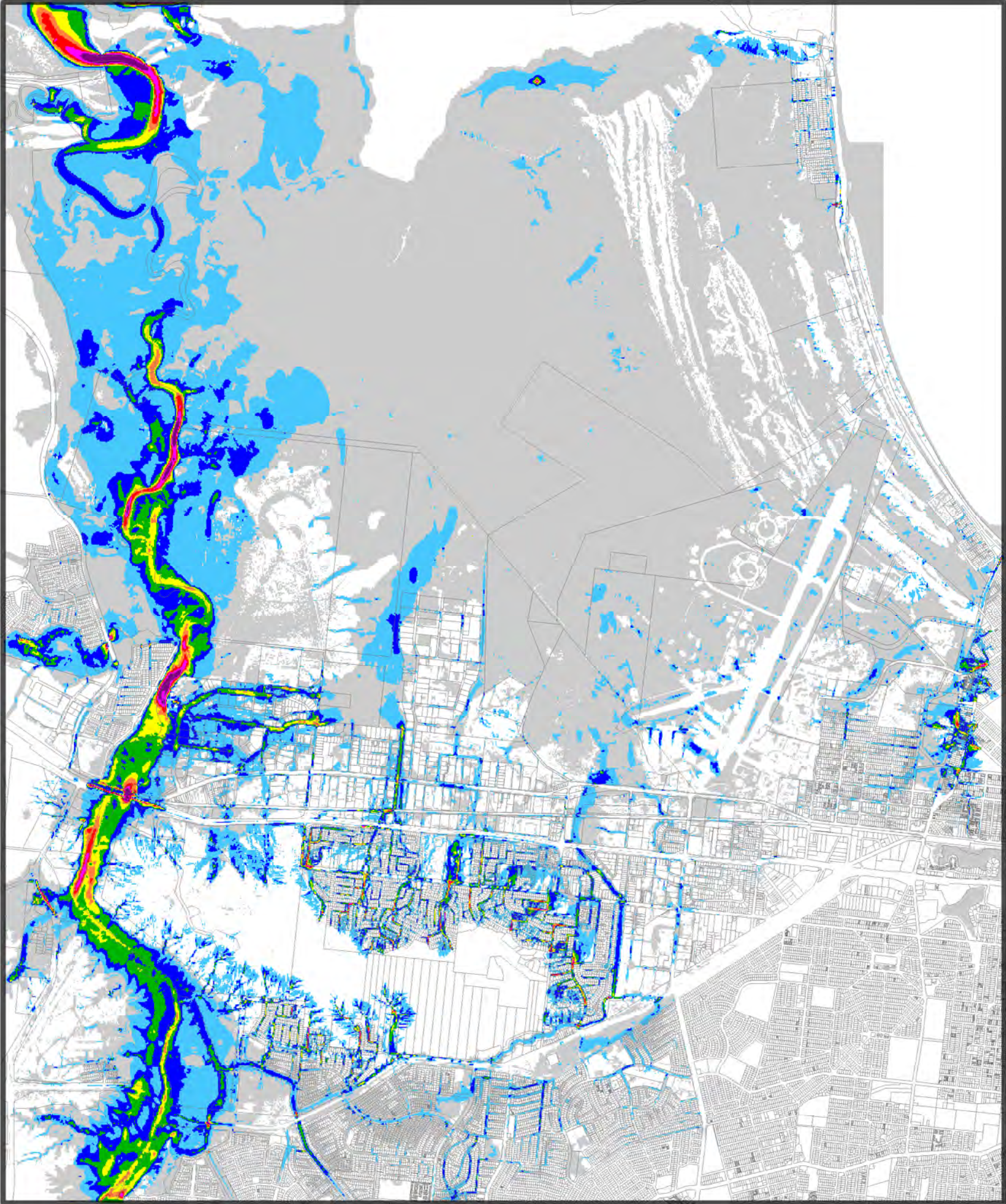


1:45,000 (when printed at A3)

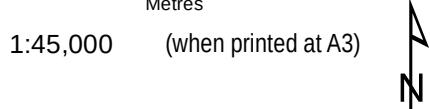


Coordinate System: GDA 1994 MGA Zone 55

Data sources:
Roads © 2012 (StreetPro)
Localities © 2012 (Queensland Govt)

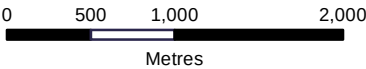
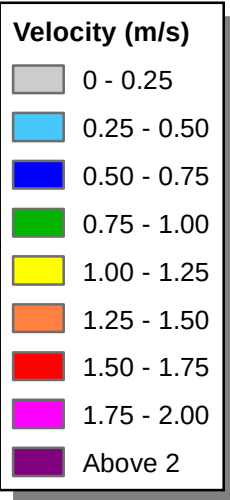
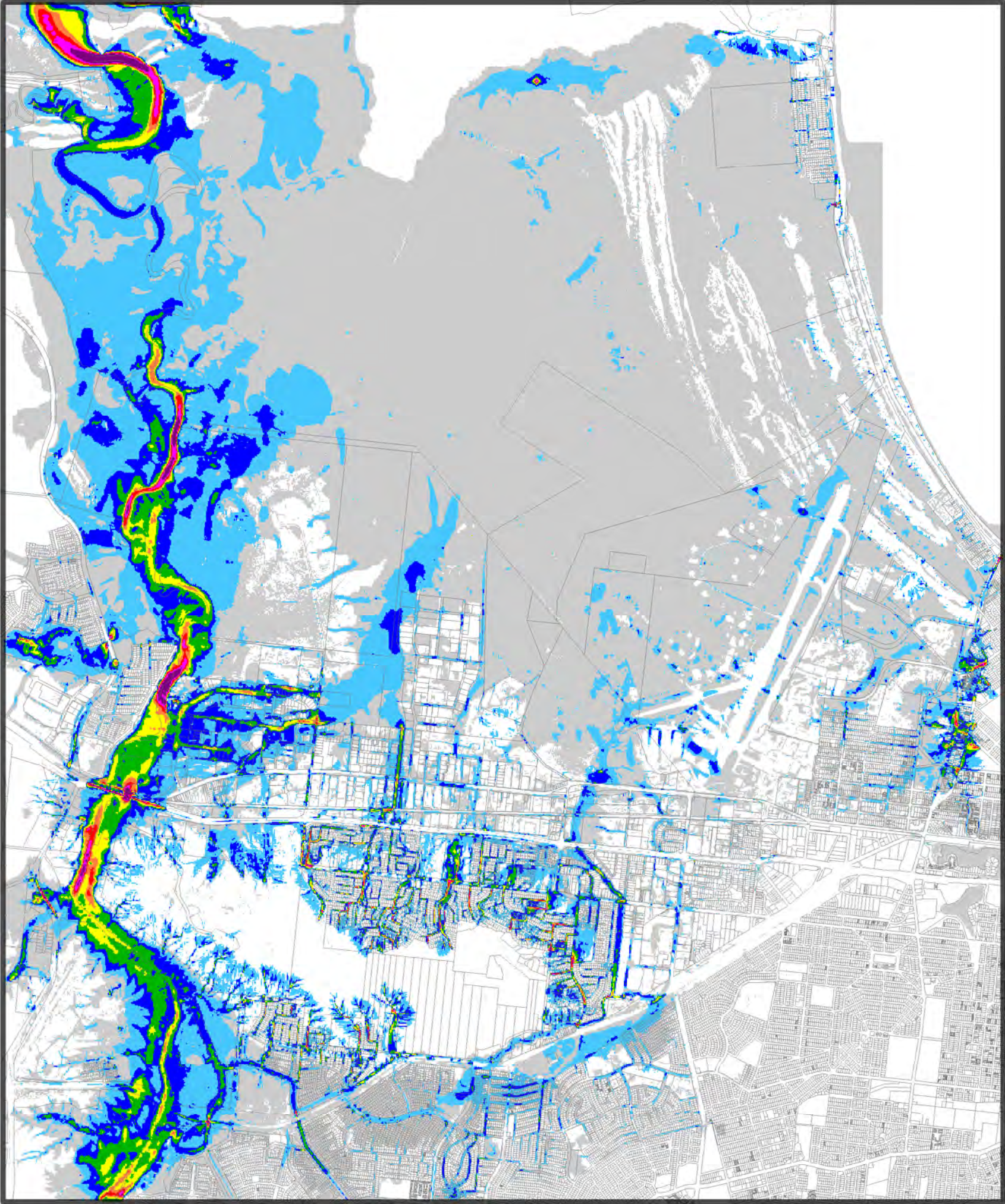


1:45,000 (when printed at A3)



Coordinate System: GDA 1994 MGA Zone 55

Data sources:
Roads © 2012 (StreetPro)
Localities © 2012 (Queensland Govt)



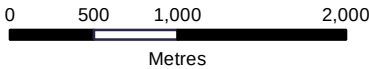
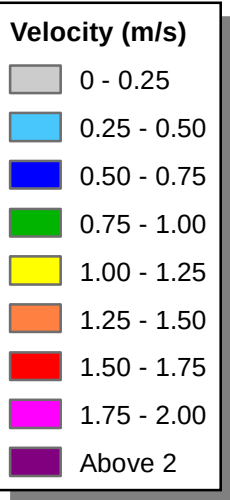
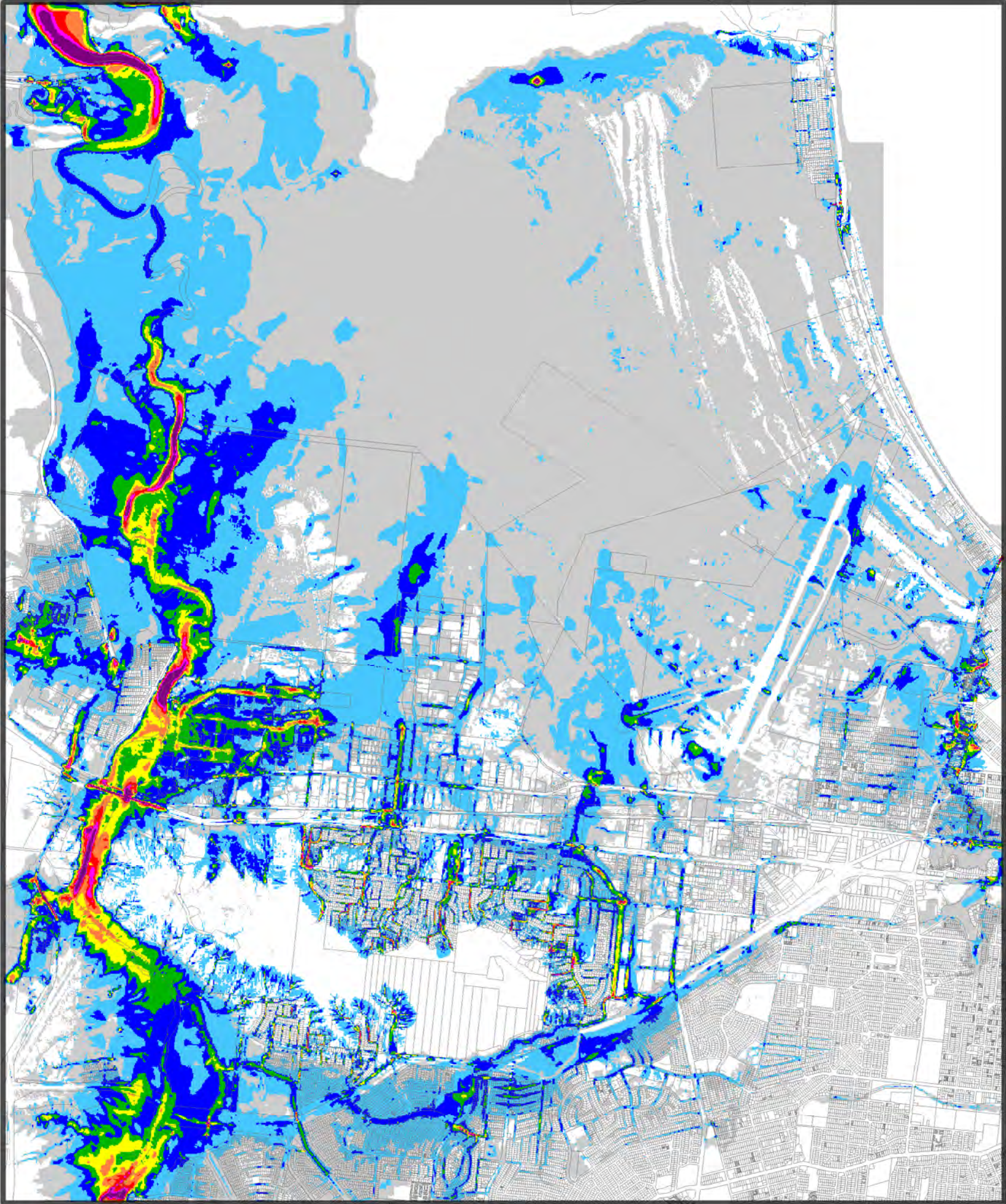
1:45,000 (when printed at A3)



Coordinate System: GDA 1994 MGA Zone 55

Data sources:
Roads © 2012 (StreetPro)
Localities © 2012 (Queensland Govt)

Maximum Water Velocity
PMF
Appendix Figure A27



1:45,000 (when printed at A3)



Coordinate System: GDA 1994 MGA Zone 55

Data sources:
Roads © 2012 (StreetPro)
Localities © 2012 (Queensland Govt)

Appendix B

Model Geometry

Appendix B Model Geometry

Table B-1 Details of Culverts Modelled Using MIKE11 in the Louisa Creek Model

Culvert Reference	Configuration	Invert level (m AHD)		Length (m)
		U/S	D/S	
146	2/1050 RCP	1.54	1.45	14.57
147	2/500 RCP	3.65	3.52	11.75
200	1/1200x480 RCBC	2.17	2.13	9.82
205	1/1200x480 RCBC	1.90	1.86	11.06
210	4/1200x675 RCBC	1.86	1.80	6.01
211	1/1200x900 RCBC	1.51	1.46	5.17
213	1/1200x750 RCBC	1.37	1.35	5.79
214	1/1200x675 RCBC	1.68	1.64	5.60
218	1/750 RCP	1.72	1.55	56.35
221	2/1200x800 RCBC	1.73	1.39	42.81
225	1/900 RCP	1.58	1.53	14.62
254	3/550 RCP	1.26	1.24	5.60
260	2/375 RCP	1.75	1.75	8.04
261	3/375 RCP	1.89	1.89	11.57
262	6/1200x1200 RCBC	1.46	1.40	5.57
263	6/1200x450 RCBC	1.88	1.88	4.36
300	1/900x450 RCBC	4.55	4.54	3.65
302	1/1200x600 RCBC	4.38	4.37	3.64
515	3/1050 RCP	1.91	1.84	12.92
516	2/1200x600 RCBC	1.63	1.63	8.01
517	1/1200x600 RCBC	1.22	1.16	8.02
518	1/1500x600 RCBC	1.64	1.64	7.94
551	5/1200x450 RCBC	2.23	2.15	14.77
553	1/1500x600 RCBC	1.64	1.62	8.13
569	3/600x380 RCBC	2.60	2.51	31.22
571	3/760x470 RCBC	2.13	2.08	15.57
583	7/450 RCP	1.92	1.86	14.68
586	1/900x450 RCBC	2.13	2.12	15.61
592	15/600x400 RCBC	2.09	2.11	39.46
593	2/600x470 RCBC	2.08	1.97	39.66
597	2/600x470 RCBC	2.01	2.00	39.65
599	6/600x450 RCBC	2.00	1.99	15.27
601	2/1840x450 RCBC	2.15	2.12	18.02
604	3/1200x450 RCBC	1.99	1.96	15.56
608	1/1500x450 RCBC	2.07	1.99	13.18
609	11/600x600 RCBC	2.06	1.98	25.83

Culvert Reference	Configuration	Invert level (m AHD)		Length (m)
		U/S	D/S	
622	2/900x300 RCBC	1.94	1.89	19.51
635	1/800 RCP	1.79	1.78	11.97
656	1/1200x600 RCBC	1.64	1.63	27.80
657	2/1200x375 RCBC	1.70	1.65	4.69
660	2/900x300 RCBC	1.99	1.97	8.36
663	1/1200x600 RCBC	4.38	4.37	3.64
676	6/600x450 RCBC	2.08	2.05	27.61
677	8/600x470 RCBC	2.44	2.46	39.51
678	4/900x470 RCBC	1.99	1.89	10.42
679	18/700 RCP	1.70	1.61	12.02
680	18/700 RCP	1.69	1.66	12.02
695	1/915 RCP	1.97	1.78	7.56
96	3/900 RCP	1.43	1.41	23.28
Aitkenvale_Armit1	3/1200 RCP	4.14	4.14	12.25
Aitkenvale_Armit2	3/1520 RCP	4.11	4.03	14.65
Aitkenvale_Gulliver	4/3600x1500 RCBC	3.44	3.42	28.80
BayswaterRd1	2/2700x1200 RCBC	11.24	11.24	22.30
BayswaterRd5	4/1200x4500 RCBC	11.29	11.25	14.45
BH 1A	6/1500 RCP	8.63	8.29	16.00
BH 3A	5/1200x900 RCBC	8.19	7.95	17.00
BlakeySt	1/1350 RCP	3.62	3.45	12.20
Bohle_Dalrymple	6/1200x900 RCBC	4.78	4.72	20.00
Captains_Dearness	7/900 RCP	1.81	1.80	19.62
CraufordSt	1/900 RCP	5.03	4.88	33.85
CrinumWay_GreenviewDrain	4/1500x900 RCBC	11.30	11.04	25.00
DalrympleRd_DrainA	3/3300x3000 RCBC	7.84	7.84	20.00
DalrympleRd_KernDrain	5/3600x3600 RCBC	7.00	6.91	24.00
DalrympleRd_LouisaCk_1	2/1500 RCP	8.03	7.90	22.50
DalrympleRd_LouisaCk_2	1/3300x1800 RCBC	7.54	7.45	39.00
DalrympleRd_TableDrain	3/1200x1200 RCBC	9.37	9.27	37.16
DalrympleRdBox_DrainB	2/3300x3000 RCBC	7.01	7.01	20.00
DalrympleRdPipe_DrainB	1/1650 RCP	8.01	8.01	20.00
East1	1/600x600 RCBC	4.34	4.29	22.00
EverettStCulv1	6/1200x900 RCBC	1.97	1.83	13.50
ForgeCourt	2/1200x300 RCBC	6.73	6.62	33.00
FranklinDr_LibertyDrain	3/1200x900 RCBC	19.98	19.81	21.60
GolfLinksDr_KernDrain	5/3600x3600 RCBC	7.45	7.40	50.00
GrahamAv_LibertyDrain	5/1200x900 RCBC	12.40	12.29	20.40
GreaterAscotAve	2/900x450 RCBC	10.89	10.72	29.99

Culvert Reference	Configuration	Invert level (m AHD)		Length (m)
		U/S	D/S	
GreenwoodDr_DrainB	3/3300x2700 RCBC	7.32	7.32	19.00
Heatley_Dalrymple	2/2450x920 RCBC	6.57	6.42	28.84
InghamRd1	1/1200x600 RCBC	8.34	8.32	4.83
InghamRd10	1/1200x600 RCBC	6.09	6.05	21.27
InghamRd11	1/1200x600 RCBC	5.11	4.96	27.02
InghamRd12	1/1200x600 RCBC	3.44	3.35	11.00
InghamRd13	1/1200x600 RCBC	3.77	3.74	10.88
InghamRd14	1/1500x600 RCBC	3.20	3.12	42.00
InghamRd15	1/1200x600 RCBC	3.93	3.60	97.79
InghamRd16	1/1200x600 RCBC	4.00	3.95	15.86
InghamRd2	1/1200x600 RCBC	8.07	8.07	6.32
InghamRd21	3/900x450 RCBC	3.86	3.84	9.76
InghamRd22	1/2250x600 RCBC	4.03	3.96	27.00
InghamRd23	1/2250x600 RCBC	4.14	4.12	12.20
InghamRd24	1/1200x900 RCBC	4.22	1.19	13.42
InghamRd25	1/1200x600 RCBC	4.78	4.77	20.40
InghamRd26	1/2400x450 RCBC	4.47	4.46	6.10
InghamRd27	1/2400x300 RCBC	4.58	4.56	8.54
InghamRd3	1/1200x600 RCBC	7.72	7.57	34.15
InghamRd3-1	1/1200x600 RCBC	7.36	7.03	76.00
InghamRd4	2/1200x600 RCBC	7.01	6.92	23.27
InghamRd5	1/1200x600 RCBC	6.61	6.11	145.00
Lakes_Bayswater	3/3650x1160 RCBC	1.83	1.61	24.52
Lakes_Woolcock1	2/3000x2700 RCBC	-0.50	-0.50	43.69
Lakes_Woolcock2	5/2130x1490 RCBC	0.77	0.66	39.77
Lakes_Woolcock3	1/1500 RCP	-1.50	-1.50	102.50
LakesOverflow1	2/1200 RCP	0.66	0.66	36.06
LakesOverflow2	4/1050 RCP	2.45	2.40	30.67
Louisa Banfield	2/2780x1800 RCBC	5.80	5.42	22.04
Main1	2/1800x1200 RCBC	3.34	3.32	20.00
Main2	2/1800x1200 RCBC	2.65	2.61	20.00
OldCommonRd	2/1050 RCP	1.87	0.95	30.00
PallarendaCulvert1	1/1050 RCP	-0.58	-0.58	45.00
ParklandsDr1	2/2700x800 RCBC	6.34	6.08	19.00
Rail_WestonSt	1/1200x600 RCBC	8.89	8.89	6.95
Rail122	2/1200x600 RCBC	3.90	3.80	7.00
Rail133	1/1200x600 RCBC	3.91	3.90	7.57
RonaldCourt	2/1200x450 RCBC	3.39	3.33	25.30
RR_48A	4/1200 RCP	14.10	14.00	20.74

Culvert Reference	Configuration	Invert level (m AHD)		Length (m)
		U/S	D/S	
RR_49A	5/3600x2400 RCBC	10.42	10.31	22.80
RR_49C	7/1200x450 RCBC	13.80	13.73	30.00
SDC_NSB_2D	2/1800x1200 RCBC	2.27	2.20	30.00
SDC_NSB_2G	7/750 RCP	3.96	3.91	26.80
SDC_NSB_3A	4/750 RCP	4.34	4.29	29.20
SDC_NSB_3B	4/750 RCP	4.61	4.56	26.80
SDC_NSB_4A	4/2100x600 RCBC	3.70	3.65	50.00
SDC_NSB_4B	3/1500x600 RCBC	4.05	4.00	15.60
SDC_NSB_4C	2/450 RCP	4.31	4.21	14.60
SDC_NSB_5A	7/3600x1500 RCBC	1.70	1.66	17.80
SDC_NSB_5B	2/1200x750 RCBC	2.47	2.42	23.50
SDC_NSB_6B	5/2700x750 RCBC	2.86	2.82	13.20
SDC_NSB_6C	3/600 RCP	3.29	3.24	14.60
ShawRd_BohleTrib1	3/3600 RCP	2.75	2.75	15.00
ShawRd_BohleTrib2	2/2550 RCP	5.43	5.15	15.00
SiteVisit_Wool	1/2700x2400 RCBC	2.80	2.10	320.00
Small Culv1	1/675 RCP	2.20	2.00	12.20
Small Culv2	1/675 RCP	1.60	1.40	17.08
TCC_COMMON_75	6/3600x2400 RCBC	1.75	1.75	14.60
TCC_EVERETT_524	5/3600x1200 RCBC	1.93	1.61	11.60
TCC_FRANCIS_82	1/2400x750 RCBC	2.39	2.37	20.70
TCC_ING_505	4/1200x600 RCBC	4.94	4.86	25.50
TCC_ING_532	8/1200x900 RCBC	5.75	5.75	18.20
TCC_ING_537	2/900x300 RCBC	6.25	6.00	17.10
TCC_ING_541	4/1200x450 RCBC	5.75	5.50	24.40
TCC_ING_544	4/2100x600 RCBC	4.00	4.00	22.50
TCC_ING_554	14/2100x900 RCBC	3.50	3.50	18.70
TCC_ING_566	3/2100x600 RCBC	3.00	3.00	23.10
TCC_ING_6405	2/750 RCP	4.50	4.00	20.00
TCC_ING_6408	3/750 RCP	4.25	4.25	20.10
TCC_ING_Louisa	6/900 RCP	1.70	1.60	11.00
TCC_MATHER_5781	2/1200 RCP	1.80	1.50	15.90
TCC_MATHER_787	4/1800 RCP	1.70	1.40	15.90
TCC_PEEWEE	1/475 RCP	2.10	2.12	9.80
TCC_REWARD_393	2/2700x1200 RCBC	3.25	3.25	22.00
TCC_WOO_693	1/3600x2400 RCBC	2.35	2.25	85.90
TCC_Wool_465-470	6/2700x900 RCBC	6.95	5.30	20.20
TCC_Wool_490-491	2/2700x900 RCBC	5.35	5.32	14.60
TFHAS_BayswaterRd	4/3600x2100 RCBC	2.71	2.54	42.09

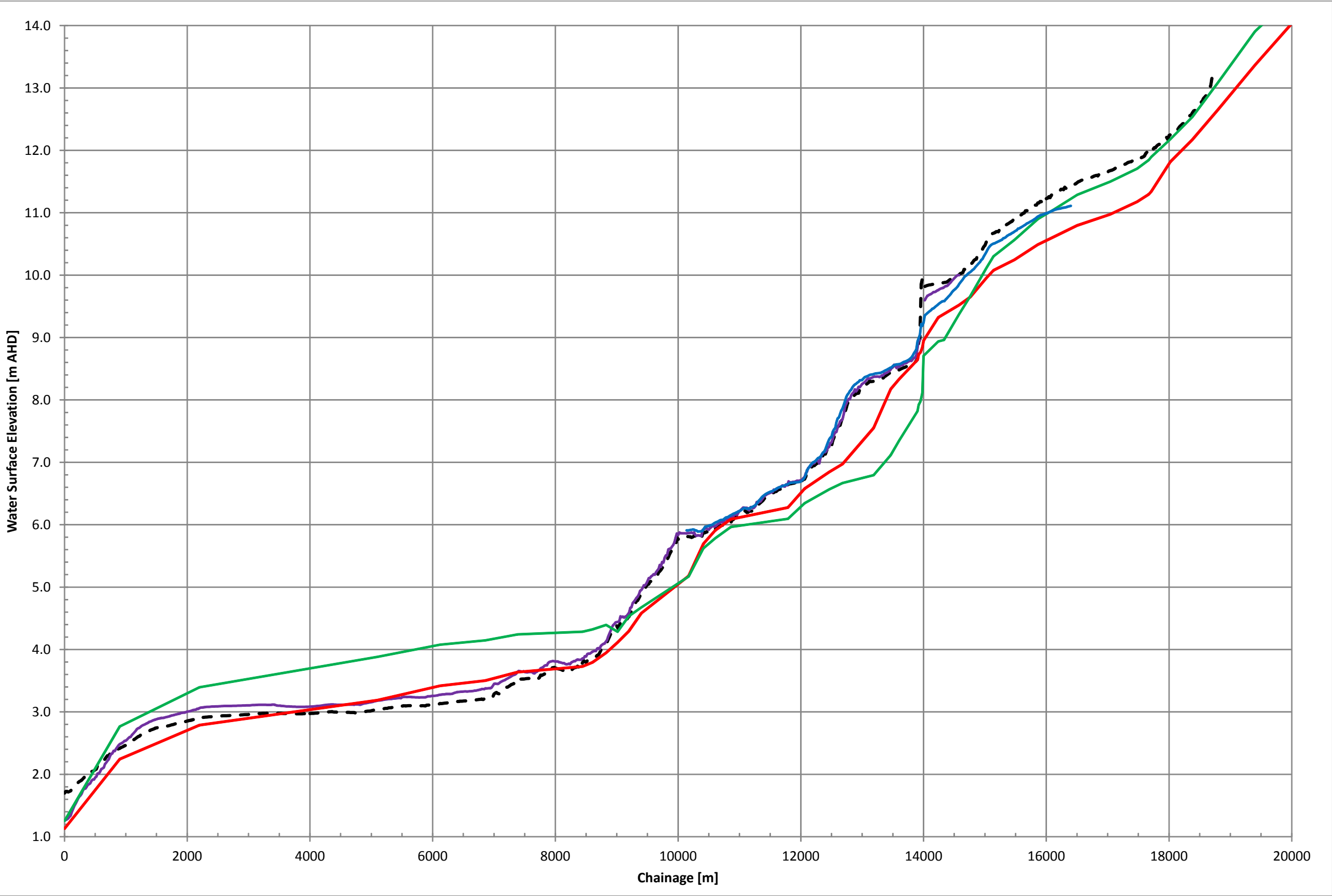
Culvert Reference	Configuration	Invert level (m AHD)		Length (m)
		U/S	D/S	
TFHAS_Com_CI004	2/3650x1800 RCBC	0.31	0.26	7.30
TFHAS_Hal_CI004_4	2/2470x1510 RCBC	2.25	2.21	20.30
TFHAS_HastingSt	3/2450x1200 RCBC	6.96	6.97	3.99
TFHAS_Ing_CI011_07	6/450 RCP	2.07	1.97	10.40
TFHAS_Mel_CI004_2	5/2150x1300 RCBC	1.18	1.04	12.30
TFHAS_QR_CI011	3/3000x2150 RCBC	1.62	1.58	8.90
TFHAS_QR_LouisaCk	1/0x0 RCBC	2.20	2.20	5.00
TFHAS_QR_ML006	4/1800x1200 RCBC	3.61	3.59	12.40
TFHAS_QR_ML009_01	9/1220x920 RCBC	4.43	4.41	8.50
TFHAS_QR_ML009_02	6/1220x920 RCBC	4.34	4.32	7.30
TFHAS_QR_ML012	3/1220x620 RCBC	7.55	7.26	16.30
TFHAS_Treat_ML005	2/600 RCP	1.83	1.77	3.70
TFHAS_Woo_ML1_02	1/0x0 RCBC	2.20	2.20	35.00
TMR_Wool_10a-19a	2/2400x1500 RCBC	4.60	4.27	41.50
TMR_Wool_10b-19b	6/1200x450 RCBC	5.87	5.67	40.30
TMR_Wool_10c-19c	7/1200x450 RCBC	6.15	5.82	39.80
TMR_Wool_10d-19d	4/1200x450 RCBC	5.87	5.67	39.30
TMR_Wool_11a-20a	2/1200x450 RCBC	6.80	6.60	43.40
TMR_Wool_11b-20b	3/2700x900 RCBC	5.80	5.65	40.60
TMR_Wool_11c-20c	2/2700x900 RCBC	5.90	5.40	42.80
TMR_Wool_11d-20d	5/2700x900 RCBC	5.85	5.70	52.60
TMR_Wool_11e-20e	3/1200x900 RCBC	7.40	6.95	54.00
TMR_Wool_12a-20f	2/1200x450 RCBC	9.45	9.10	42.50
TMR_Wool_12b/20g	2/1200x450 RCBC	10.70	10.40	49.20
TMR_Wool_13a-21a	6/1200x450 RCBC	9.45	9.20	41.70
TMR_Wool_21b	1/1200x450 RCBC	8.71	8.65	15.60

Table B-2 Details of Bridges Modelled Using MIKE 11 in the Louisa Creek Model

Location	Bridge Reference	Bridge Levels (Top) (m AHD)
Ingham Road at Louisa Creek (Blakey's Crossing)	Blakeys_Louisa	5.3
Ingham Road at Pee Wee Creek (Blakey's Crossing)	Blakeys_PeeWee	5.0
Bruce Highway	BH Mt Louisa	16.1
Bruce Highway at Bohle River	Bohle Hwy Sbound Chute	9.2
North Coast Railway Line at Bohle River	QR Bohle	8.1
North Shore Boulevard at Saunders Creek	SDC_NSB_Bridge	7.8
Bruce Highway (North bound) at Bohle River	Bohle Hwy (Ch 14 m)	5.8
Bruce Highway (South bound) at Bohle River	Bohle Hwy (Ch 34 m)	9.2
Cape Pallarenda Road at Three Mile Creek	ThreeMileCkBridge	3.1
Pedestrian bridge at Raynesford Drive drain	RaynesfordDrDrain	12.6
Pedestrian bridge at Dugong Court	DugongCrDrain	11.7
North Coast Railway Line at Bohle River	QR Bohle chute	8.1
Ingham Road at Louisa Creek (Blakey's Crossing)	Blakeys_Louisa	5.3
Ingham Road at Pee Wee Creek (Blakey's Crossing)	Blakeys_PeeWee	5

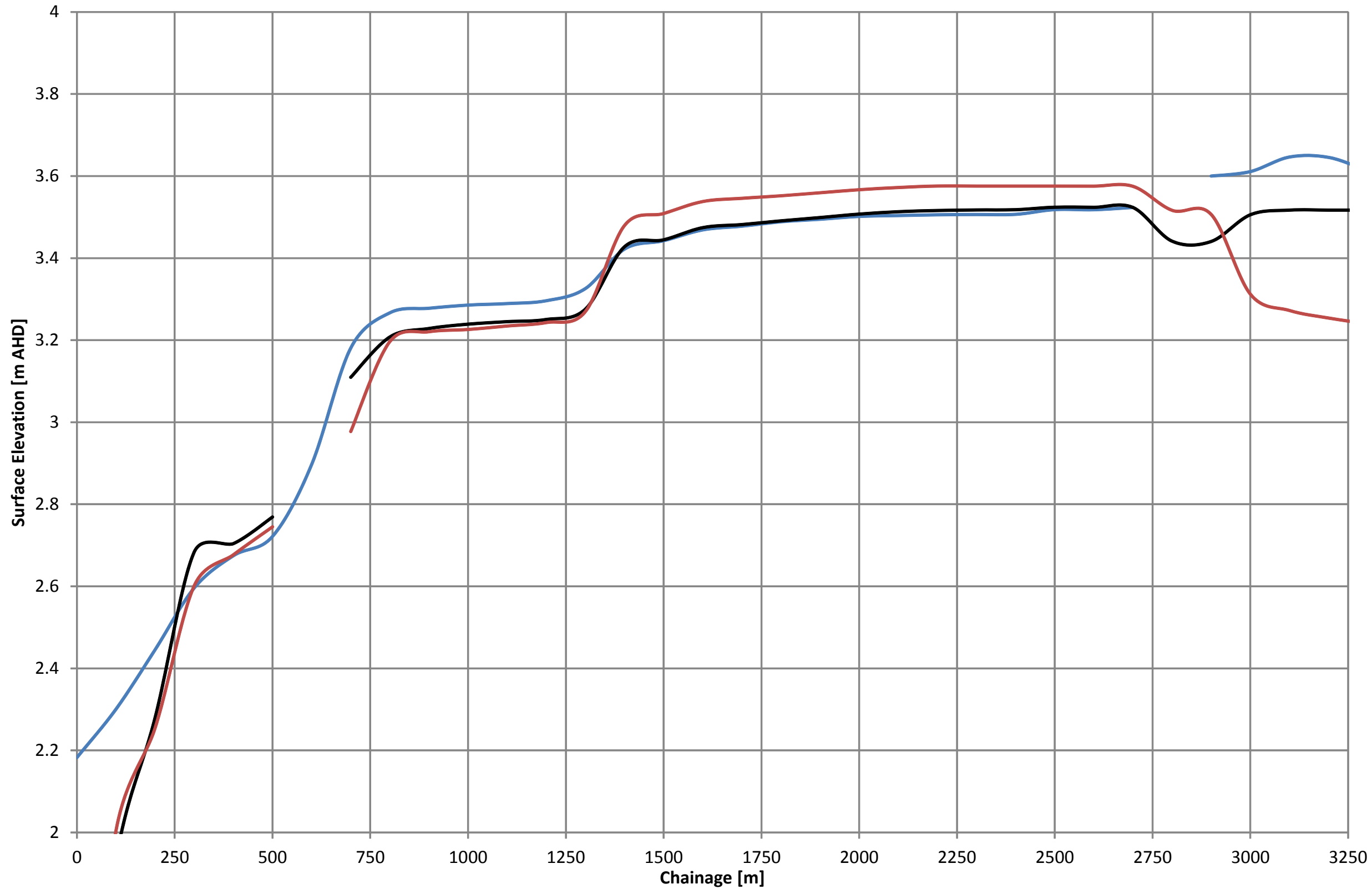
Appendix C

Long Sectional Profiles



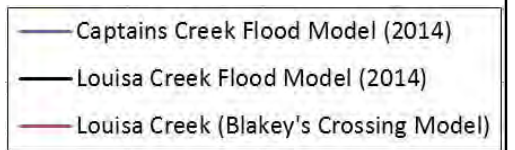
- - Louisa Creek Flood Study (2014)
- Lower Bohle/Stony Creek Flood Study (2014)
- Bohle Plains Flood Plannings Report (2010)
- Upper and Middle Bohle Flood Study (2014)
- Deeragun Flood Study (2012)

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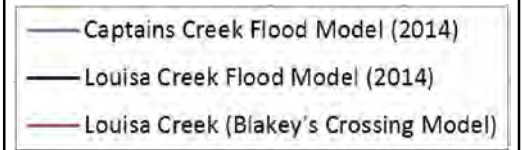
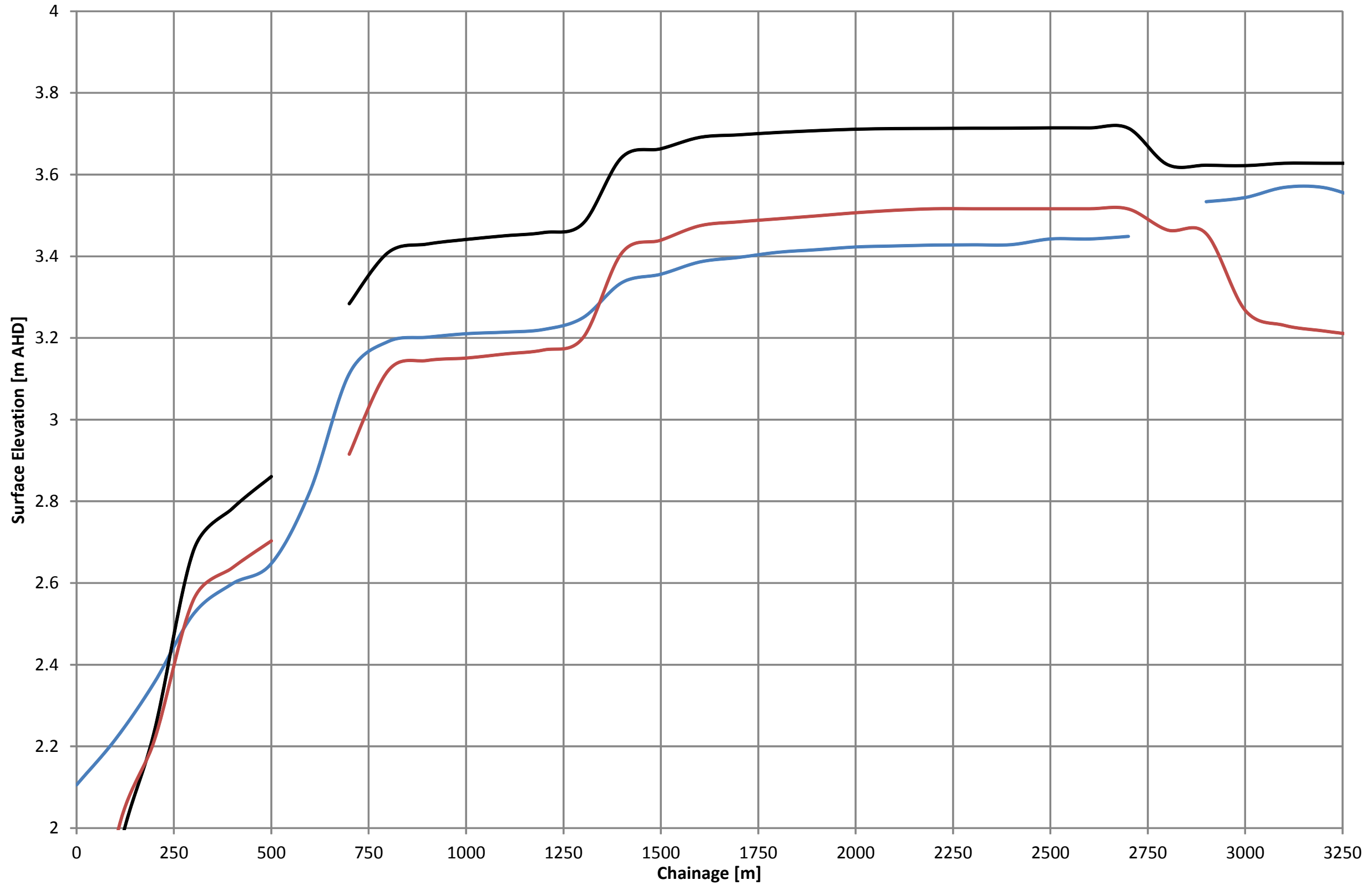


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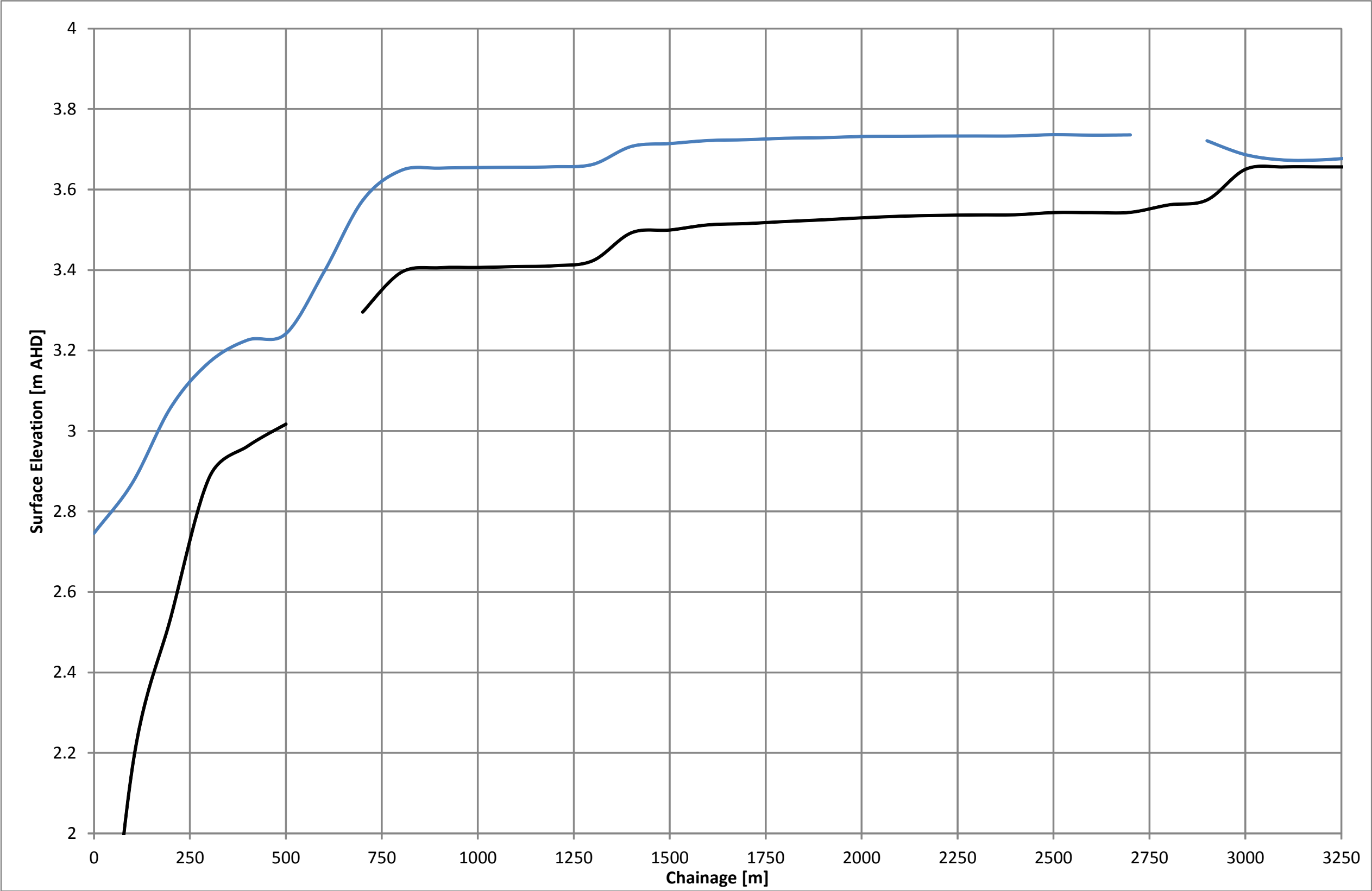
Longitudinal Profile - Captains Creek
100 year ARI 3 hours
Figure C-2



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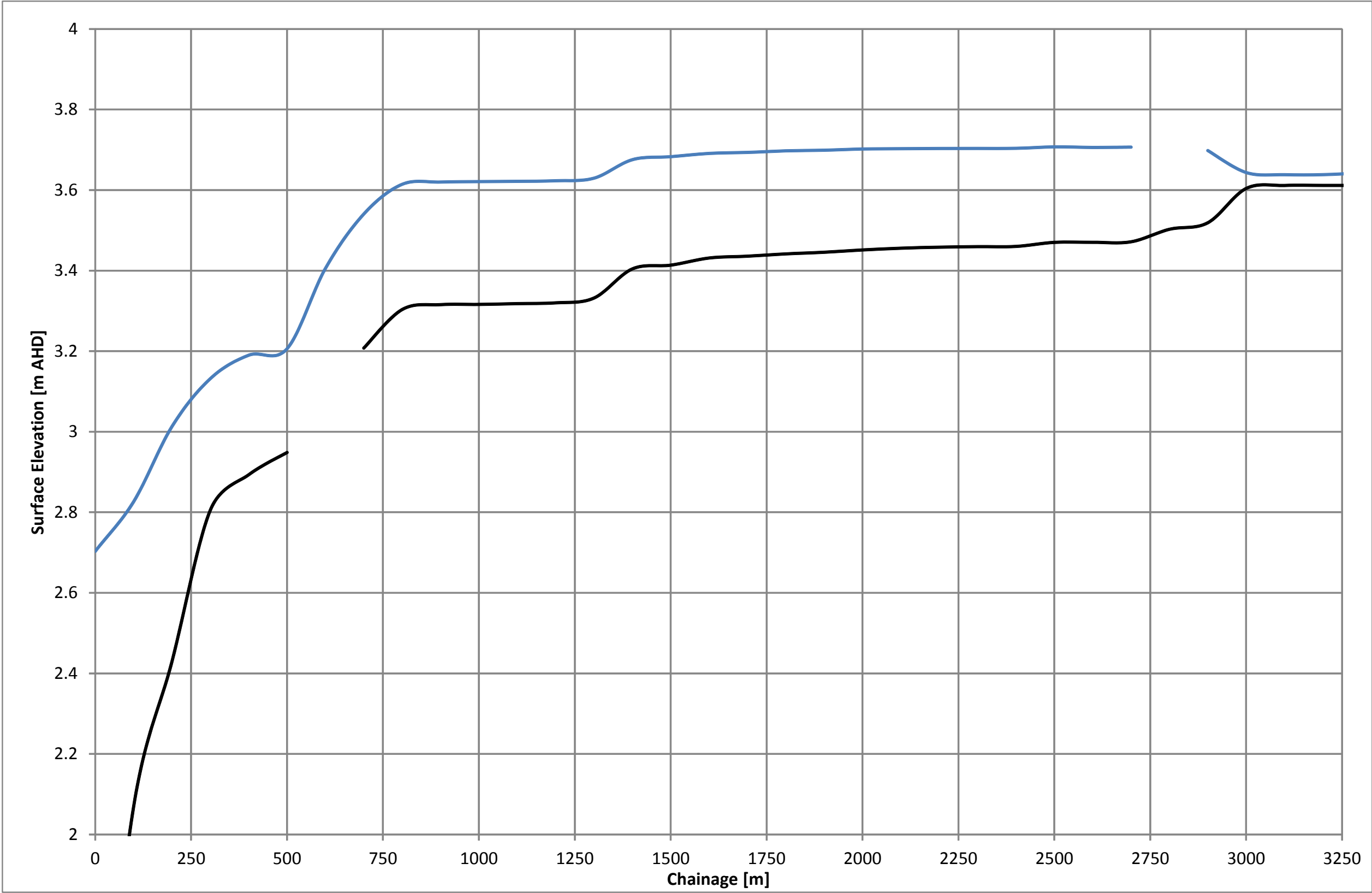


Longitudinal Profile - Captains Creek
100 year ARI 24 hours
Figure C-4

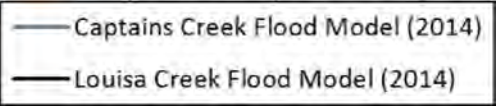


— Captains Creek Flood Model (2014)
— Louisa Creek Flood Model (2014)

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Longitudinal Profile - Captains Creek
50 year ARI 24 hours
Figure C-5



Appendix D

Louisa Creek Channel Photos

Appendix D - Louisa Creek Channel/Catchment Photos



Photo 1 - Louisa Creek upstream reach near Dalrymple Road / Thuringowa Drive



Photo 2 – Louisa Creek at Hastings Street Causeway



Photo 3 – Louisa Creek channel looking upstream from Hastings Street Causeway



Photo 4 – Louisa Creek near Hastings Street Causeway looking downstream



Photo 5 – Louisa Creek channel looking downstream from Hastings Street Causeway



Photo 6 – Louisa Creek channel between Hastings Street Causeway and Banfield Drive



Photo 7 – Louisa Creek looking upstream from Banfield Drive



Photo 8 – Louisa Creek channel confluence at Banfield Drive / Dalrymple Road (looking towards Banfield Drive)



Photo 9 – Louisa Creek channel confluence at Banfield Drive / Dalrymple Road Junction (looking towards Dalrymple Road)



Photo 10 – Louisa Creek Diversion Channel – Junction at Dalrymple Road



Photo 11 – Louisa Creek Diversion near Dalrymple Road



Photo 12 – Louisa Creek Diversion looking downstream from confluence at Dalrymple Road



Photo 13 – Louisa Creek Diversion looking upstream



Photo 14 – Louisa Creek Diversion looking downstream



Photo 15 – Louisa Creek at Bayswater Road crossing looking upstream



Photo 16 – Louisa Creek at Bayswater Road crossing looking downstream



Photo 17 – Louisa Creek at Bayswater Road crossing looking downstream



Photo 18 – Louisa Creek at Bayswater Road Culverts (downstream) showing debris following Feb 2014 event



Photo 19 – Louisa Creek at Bayswater Road Culverts (upstream) showing debris following Feb 2014 event



Photo 20 – Louisa Creek channel looking upstream from Blakeys Crossing

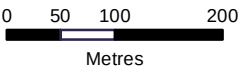
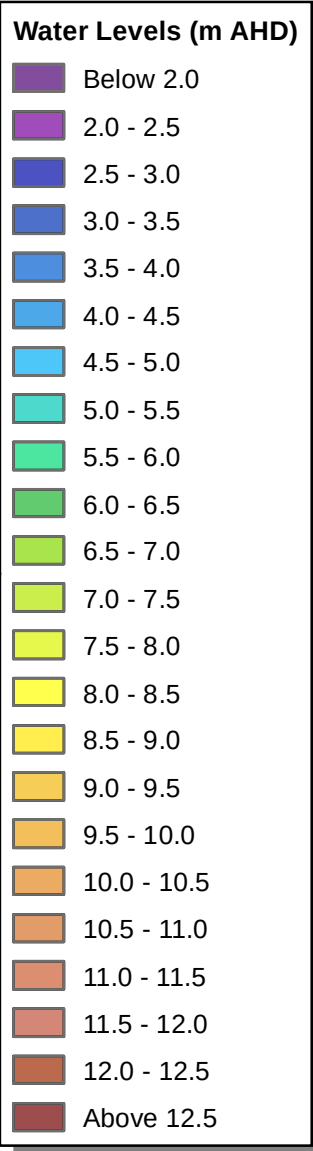


Photo 21 – Louisa Creek channel looking upstream from Blakeys Crossing

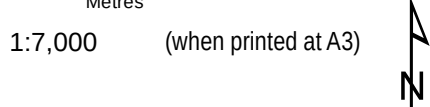


Photo 22 – Blakeys Crossing Aerial

Figure 3-7



1:7,000 (when printed at A3)



Coordinate System: GDA 1994 MGA Zone 55

Data sources:
Roads © 2012 (StreetPro)
Localities © 2012 (Queensland Govt)

Appendix E

February 2014 Event

Appendix E February 2014 Event Photos



Photo 1 – Approach to Blakeys Crossing at 09.03 AM on 18th Feb 2014.



Photo 2 – Blakey St at Blakeys Crossing at 09.34 AM on 18th Feb 2014 (the maximum flood level can be seen as a rough line on the embankment, several points along this line were surveyed post flood).



Photo 3 – Blakeys Crossing at Louisa Creek at 08.44 AM on 18th Feb 2014.



Photo 4 – Blakeys Crossing at Pee Wee Creek at 09.09 AM on 18th Feb 2014.



Photo 5 – Blakey St at Blakeys Crossing at 09.18 AM on 18th Feb 2014.



Photo 6 – Blakey St at Blakeys Crossing at 09.34 AM on 18th Feb 2014.

Appendix F

April 2014 Event

Appendix F April 2014 Event Photos



Photo 1 – Banfield Drive Crossing at 10.07 AM on 13th Apr 2014



Photo 2 – Bayswater Road Crossing at 09.56 AM on 13th Apr 2014.