



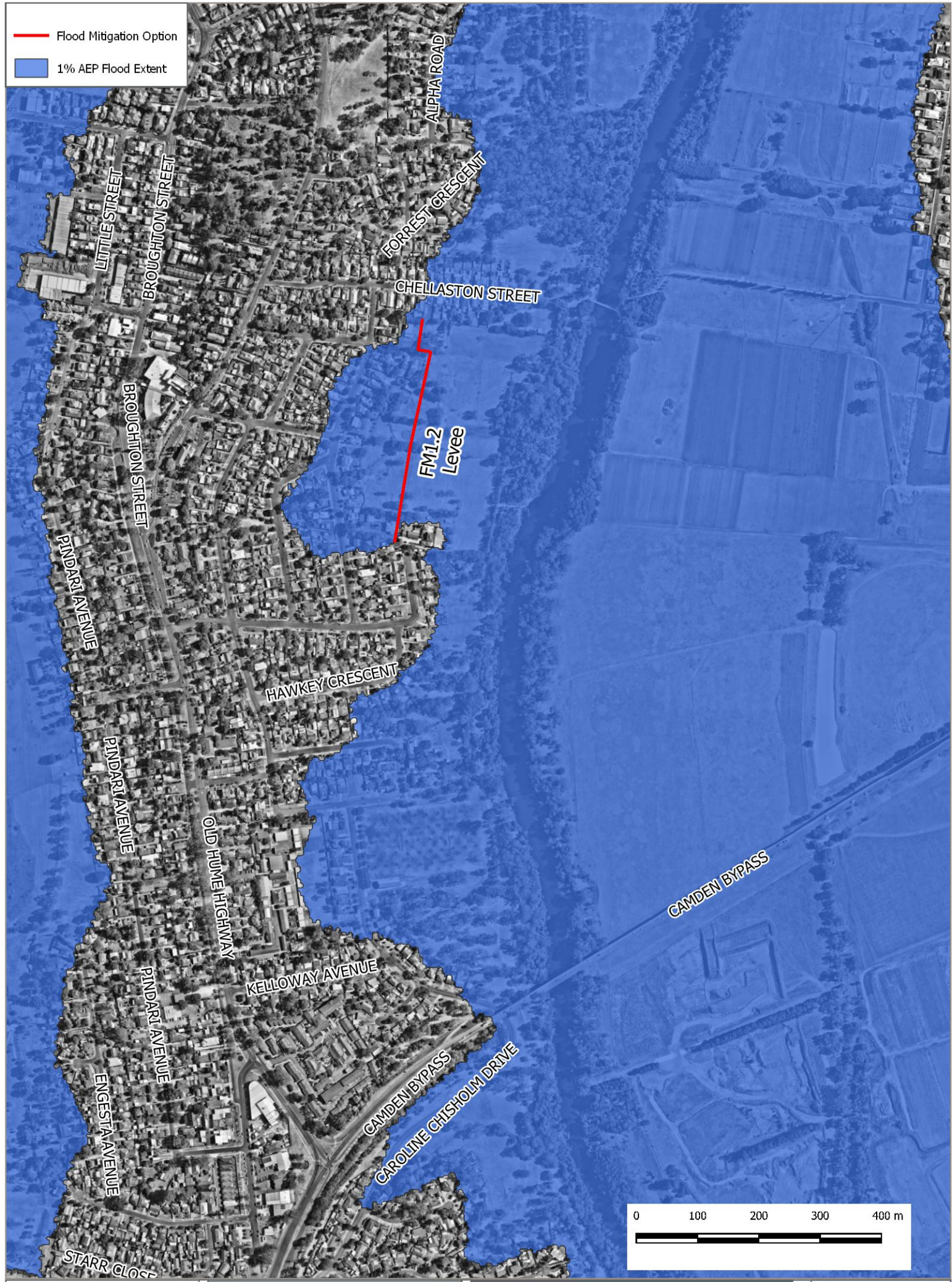
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# NEPEAN RIVER FLOODPLAIN RISK MANAGEMENT STUDY & PLAN INCLUDING NARELLAN CREEK

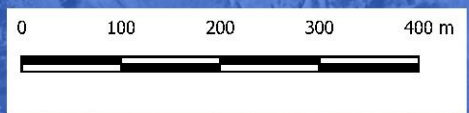
## APPENDIX H – OPTIONS ASSESSMENT RESULTS

Final Report (13 November 2022)

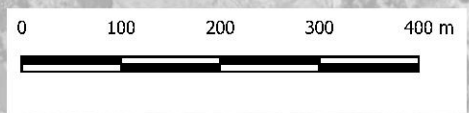
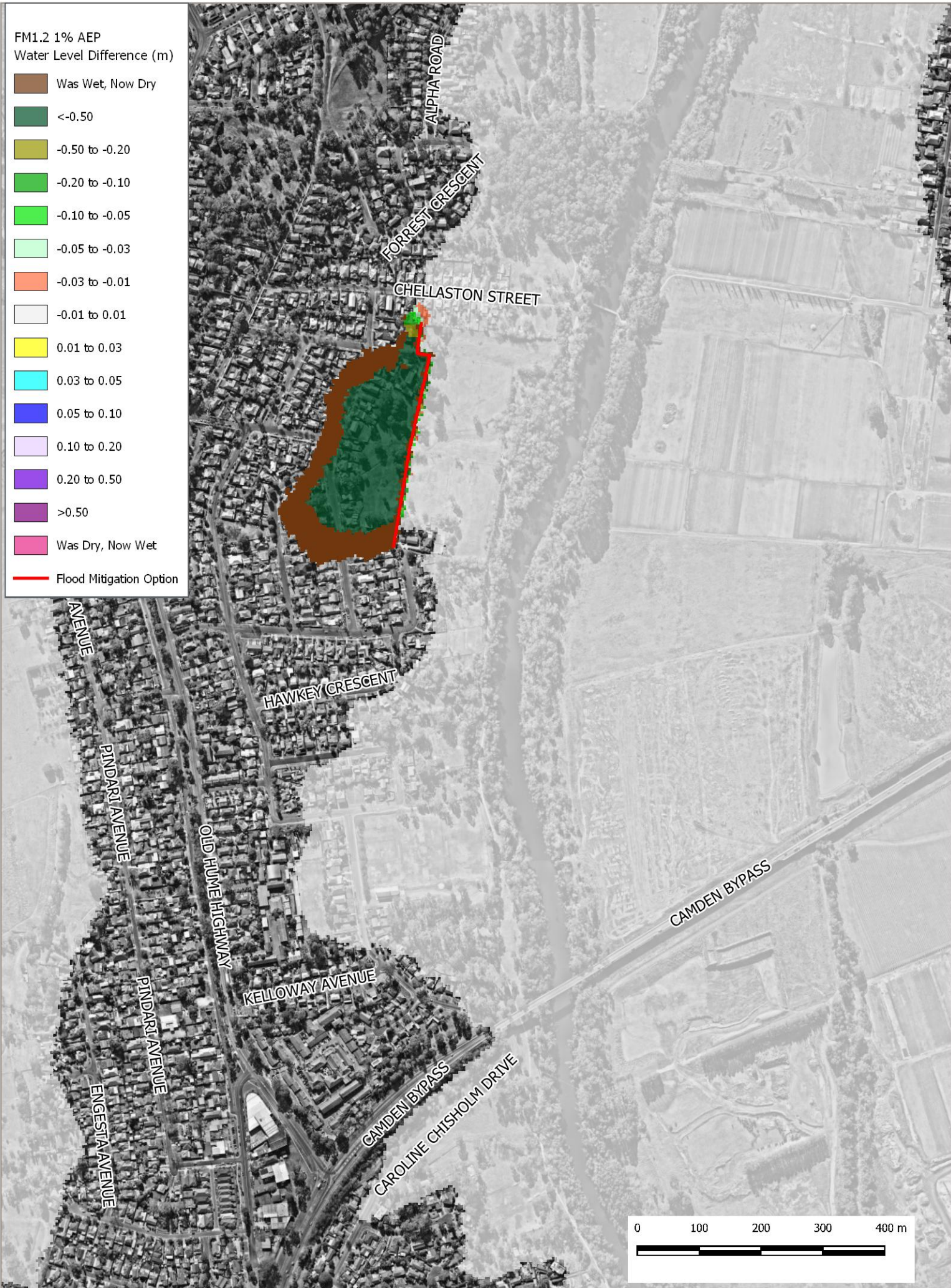
No	Flood Mitigation Options Figure Index
1	FM_1_2_0_Option Location_Flood Mitigation
2	FM_1_2_1% AEP_Water Level Difference
3	FM_1_2_20% AEP_Water Level Difference
4	FM_1_6_0_Option Location_Flood Mitigation
5	FM_1_6_1% AEP_Water Level Difference
6	FM_1_6_20% AEP_Water Level Difference
7	FM_1_7_0_Option Location_Flood Mitigation
8	FM_1_7_1% AEP_Water Level Difference
9	FM_1_7_20% AEP_Water Level Difference
10	FM_1_7a_0_Option Location_Flood Mitigation
11	FM_1_7a_1% AEP_Water Level Difference
12	FM_1_7a_20% AEP_Water Level Difference
13	FM_1_8_0_Option Location_Flood Mitigation
14	FM_1_8_1% AEP_Water Level Difference
15	FM_1_8_20% AEP_Water Level Difference
16	FM_1_9_0_Option Location_Flood Mitigation
17	FM_1_9_1% AEP_Water Level Difference
18	FM_1_9_20% AEP_Water Level Difference
19	FM_1_13_0_Option Location_Flood Mitigation
20	FM_1_13_1% AEP_Water Level Difference
21	FM_1_13_20% AEP_Water Level Difference
22	FM_1_15_0_Option Location_Flood Mitigation
23	FM_1_15_1% AEP_Water Level Difference
24	FM_1_15_20% AEP_Water Level Difference
25	FM_1_23_0_Option Location_Flood Mitigation
26	FM_1_23_1% AEP_Water Level Difference
27	FM_1_23_20% AEP_Water Level Difference
28	FM_1_26_0_Option Location_Flood Mitigation
29	FM_1_26_1% AEP_Water Level Difference
30	FM_1_26_20% AEP_Water Level Difference
31	FM_1_32_0_Option Location_Flood Mitigation
32	FM_1_32_1% AEP_Water Level Difference
33	FM_1_32_20% AEP_Water Level Difference
34	FM_2_1_0_Option Location_Flood Mitigation
35	FM_2_1_1% AEP_Water Level Difference
36	FM_2_1_20% AEP_Water Level Difference
37	FM_2_2_0_Option Location_Flood Mitigation
38	FM_2_2_1% AEP_Water Level Difference
39	FM_2_2_20% AEP_Water Level Difference
40	FM_2_4_0_Option Location_Flood Mitigation
41	FM_2_4_1% AEP_Water Level Difference
42	FM_2_4_20% AEP_Water Level Difference
43	FM_2_5_0_Option Location_Flood Mitigation
44	FM_2_5_1% AEP_Water Level Difference
45	FM_2_5_20% AEP_Water Level Difference
46	FM_2_6_0_Option Location_Flood Mitigation
47	FM_2_6_1% AEP_Water Level Difference
48	FM_2_6_20% AEP_Water Level Difference



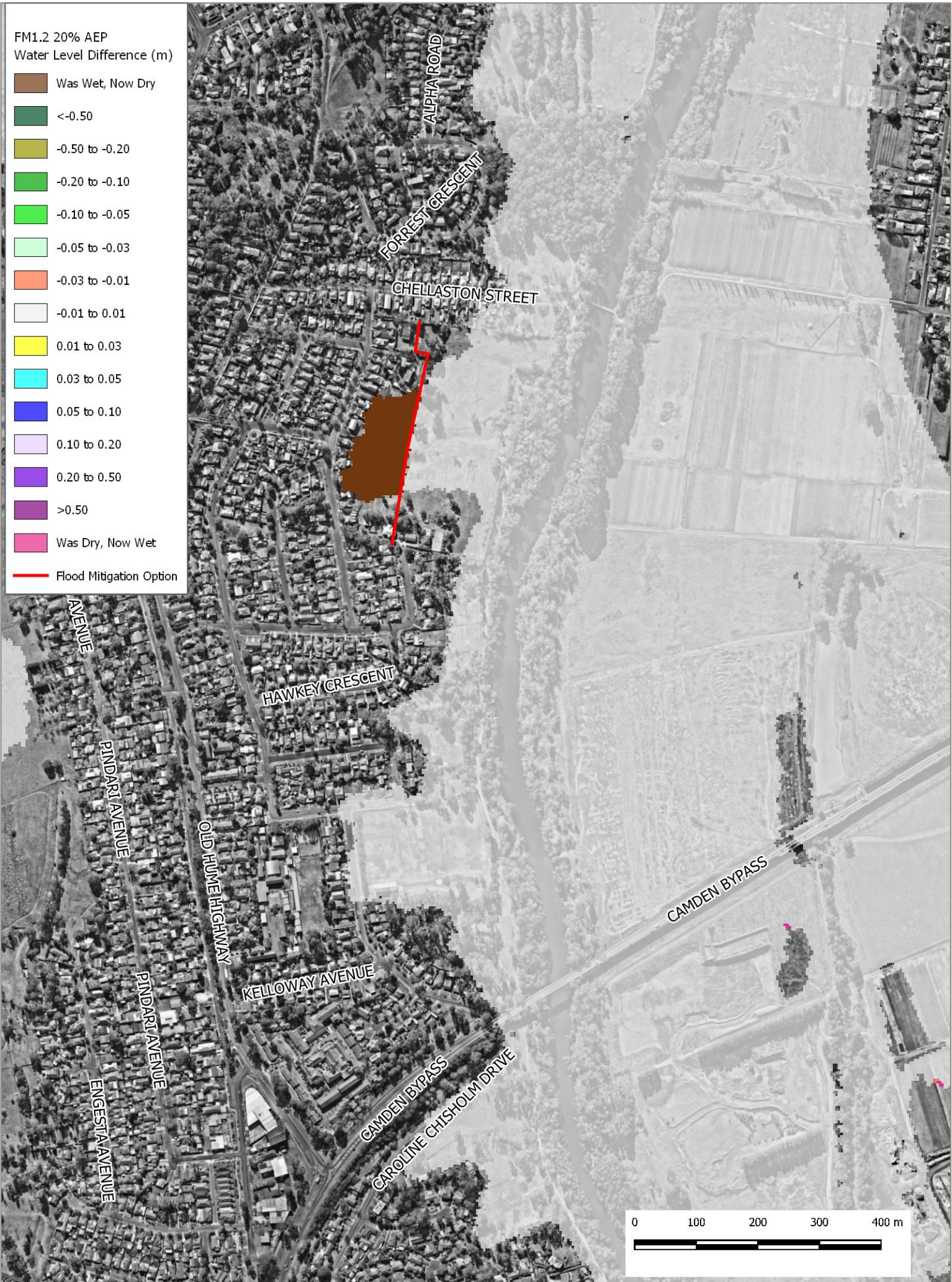
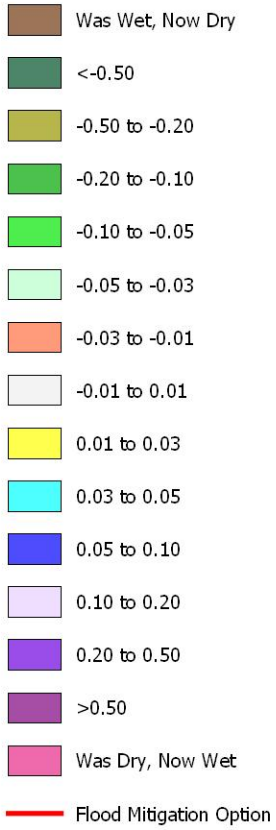
— Flood Mitigation Option  
 1% AEP Flood Extent



FM1.2 1% AEP  
Water Level Difference (m)

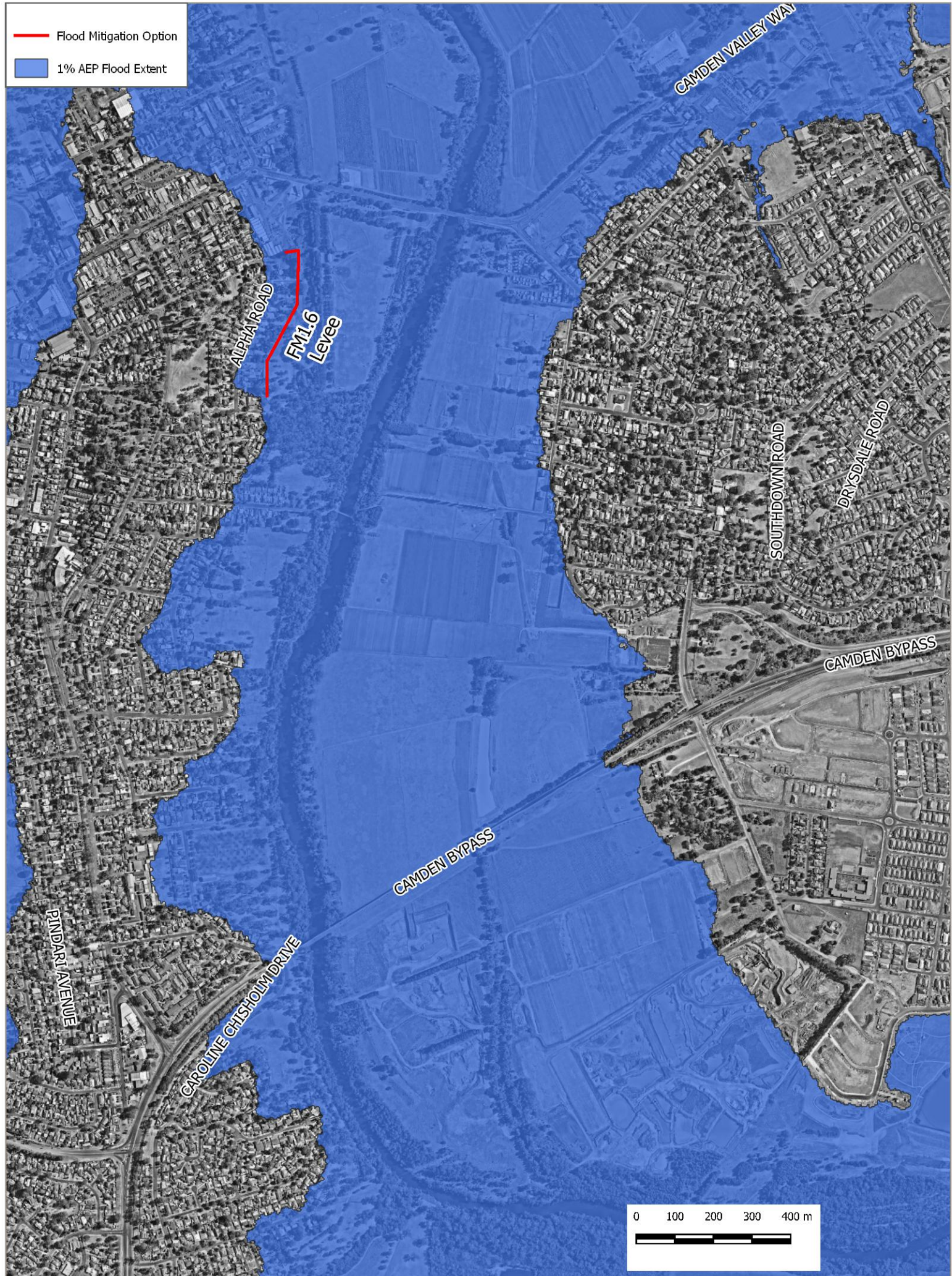


FM1.2 20% AEP  
Water Level Difference (m)

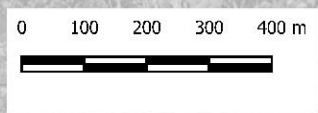
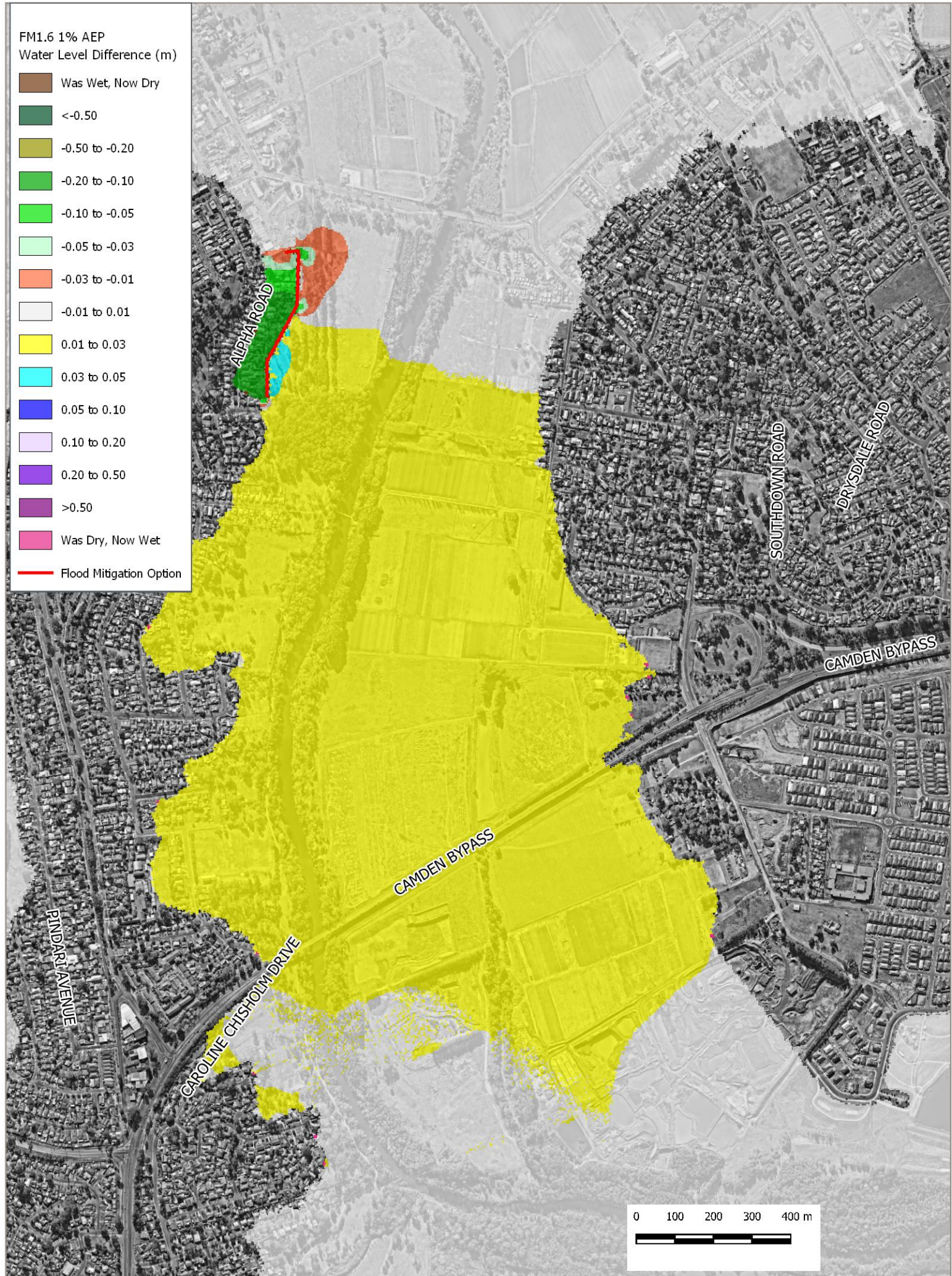


Flood Mitigation Option

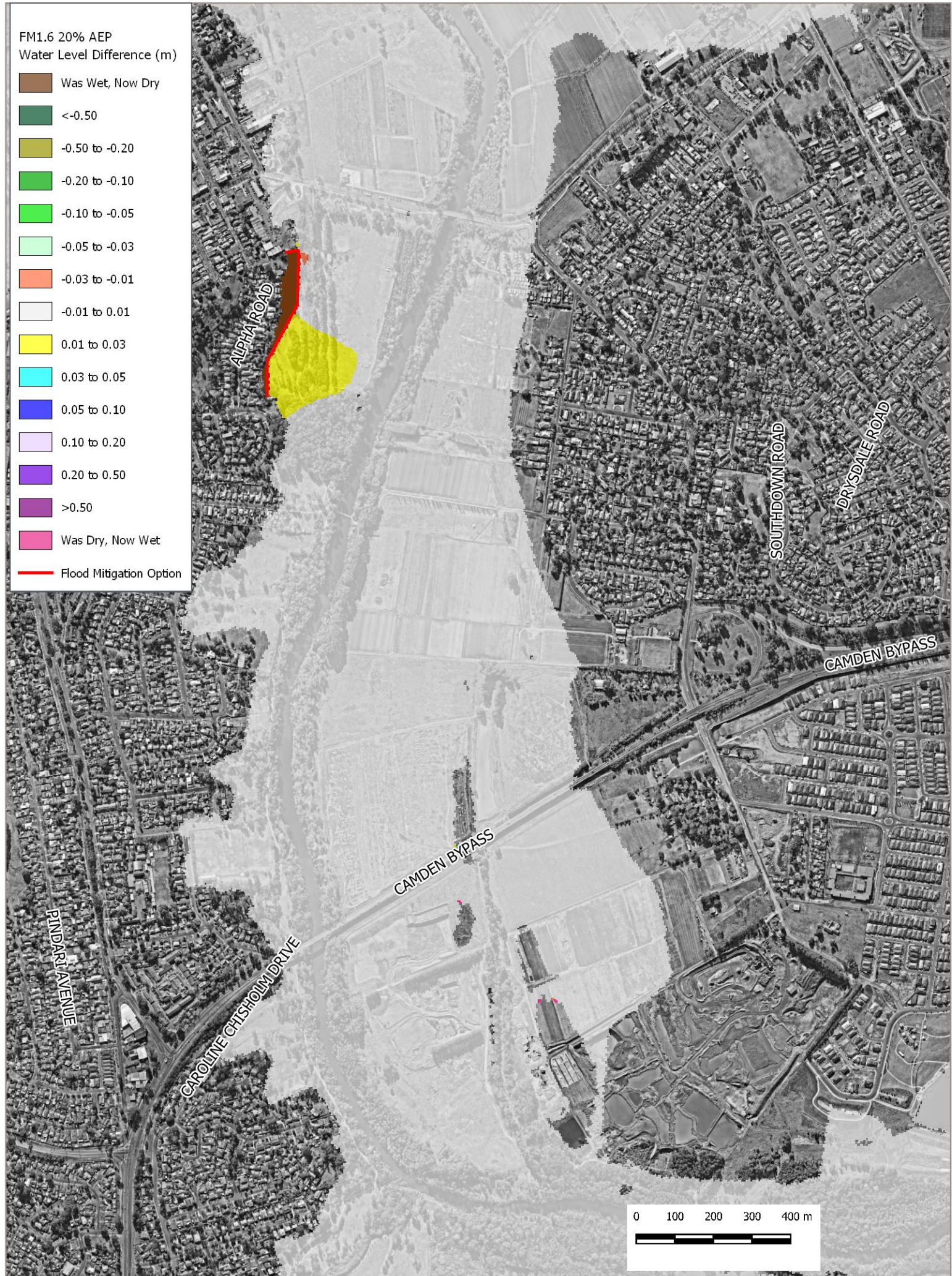
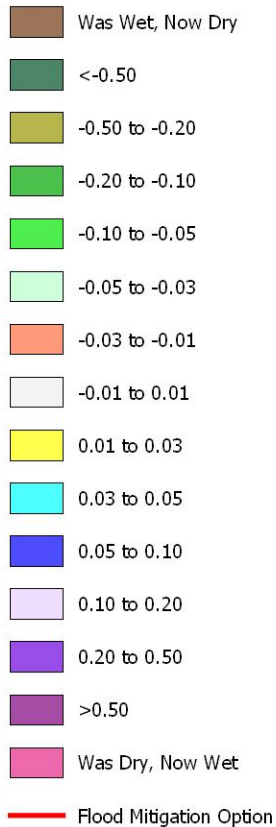
1% AEP Flood Extent



FM1.6 1% AEP  
Water Level Difference (m)



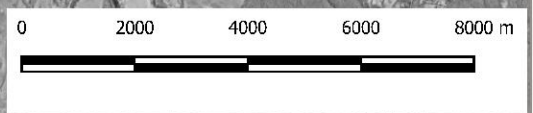
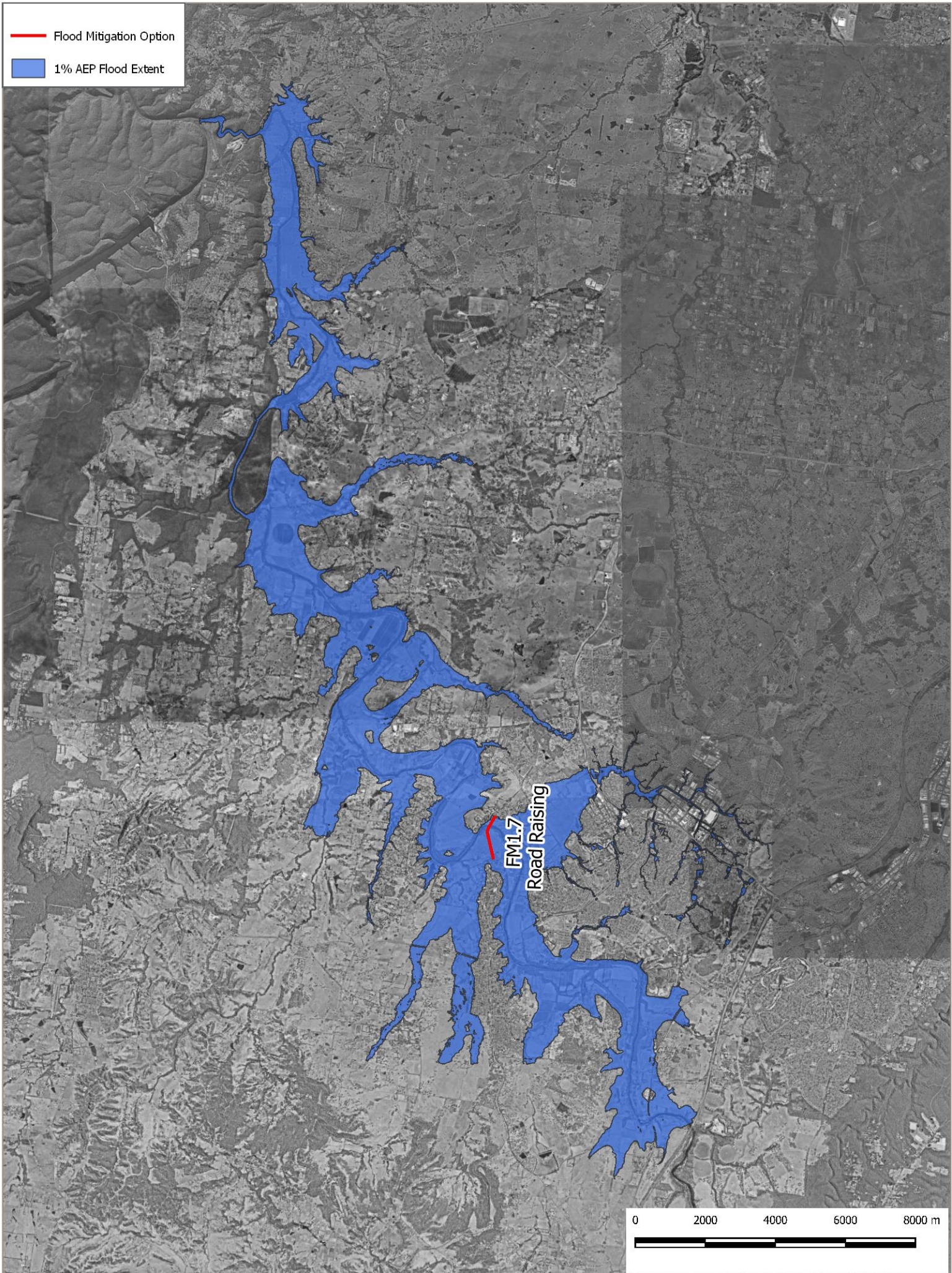
FM1.6 20% AEP  
Water Level Difference (m)





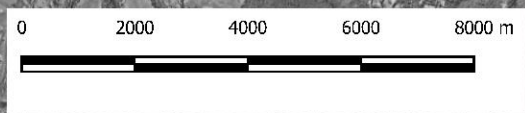
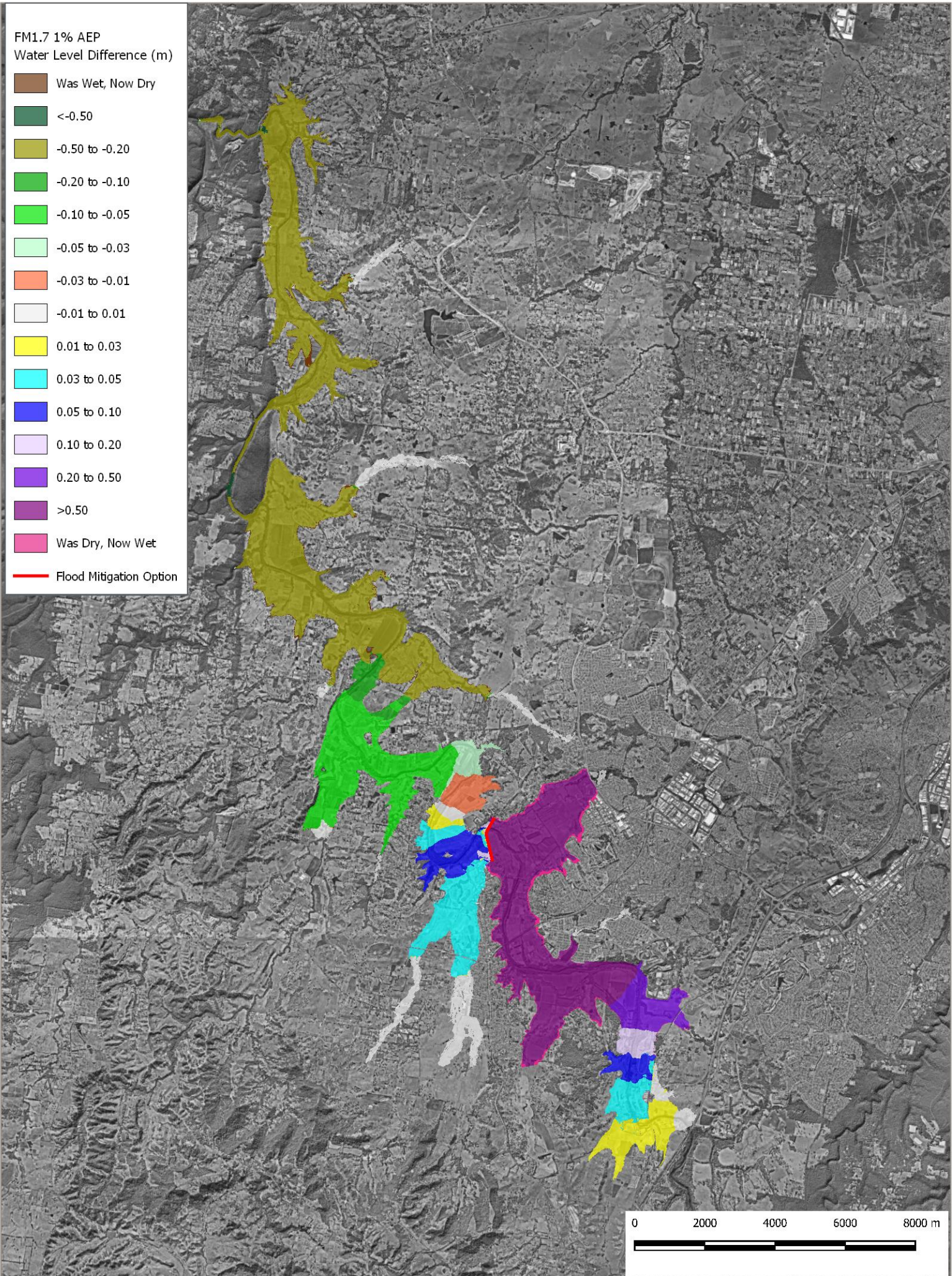
Flood Mitigation Option

1% AEP Flood Extent



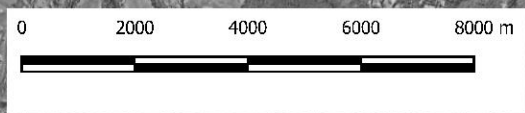
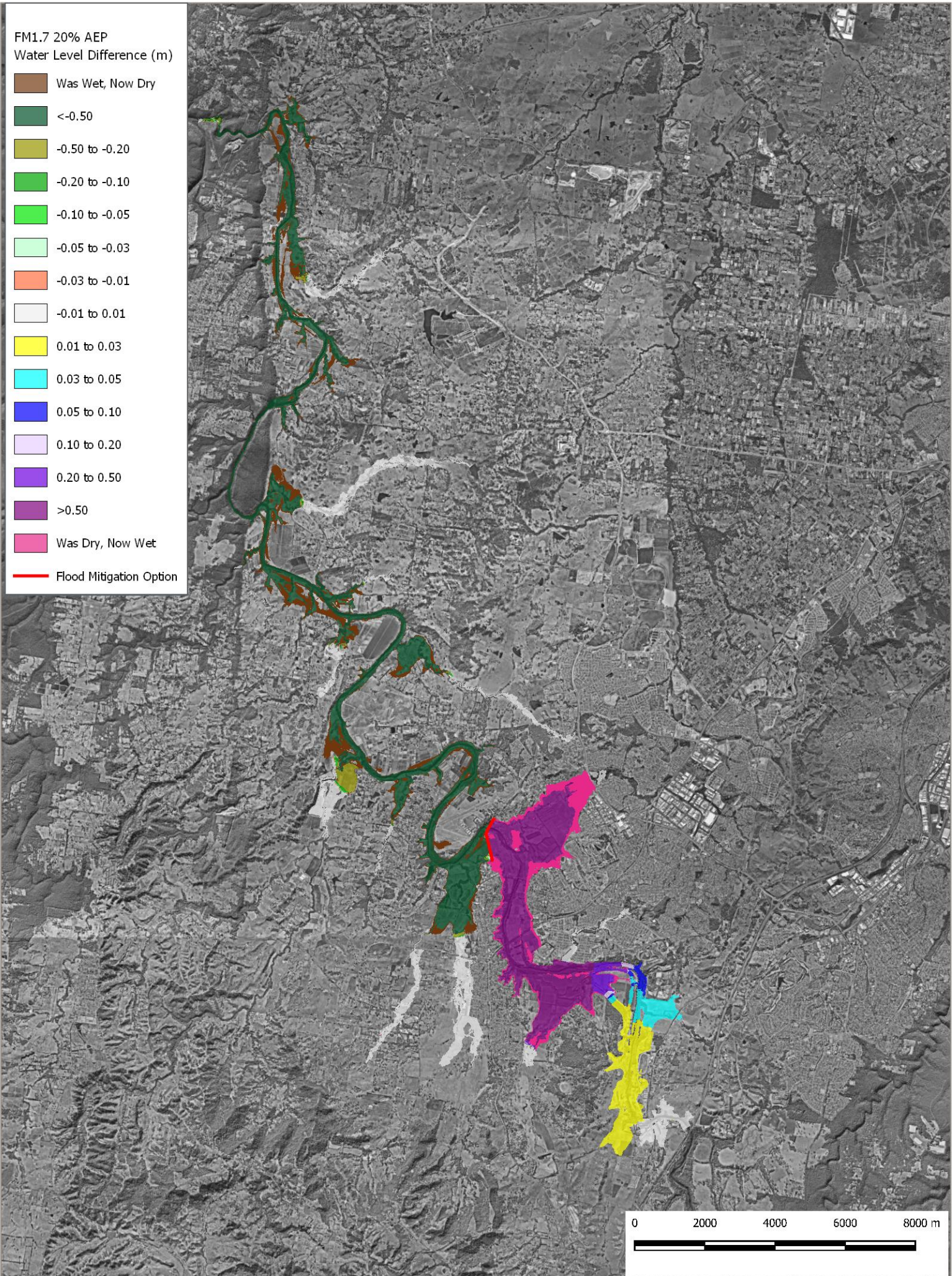
FM1.7 1% AEP  
Water Level Difference (m)

- Was Wet, Now Dry
- <-0.50
- 0.50 to -0.20
- 0.20 to -0.10
- 0.10 to -0.05
- 0.05 to -0.03
- 0.03 to -0.01
- 0.01 to 0.01
- 0.01 to 0.03
- 0.03 to 0.05
- 0.05 to 0.10
- 0.10 to 0.20
- 0.20 to 0.50
- >0.50
- Was Dry, Now Wet
- Flood Mitigation Option

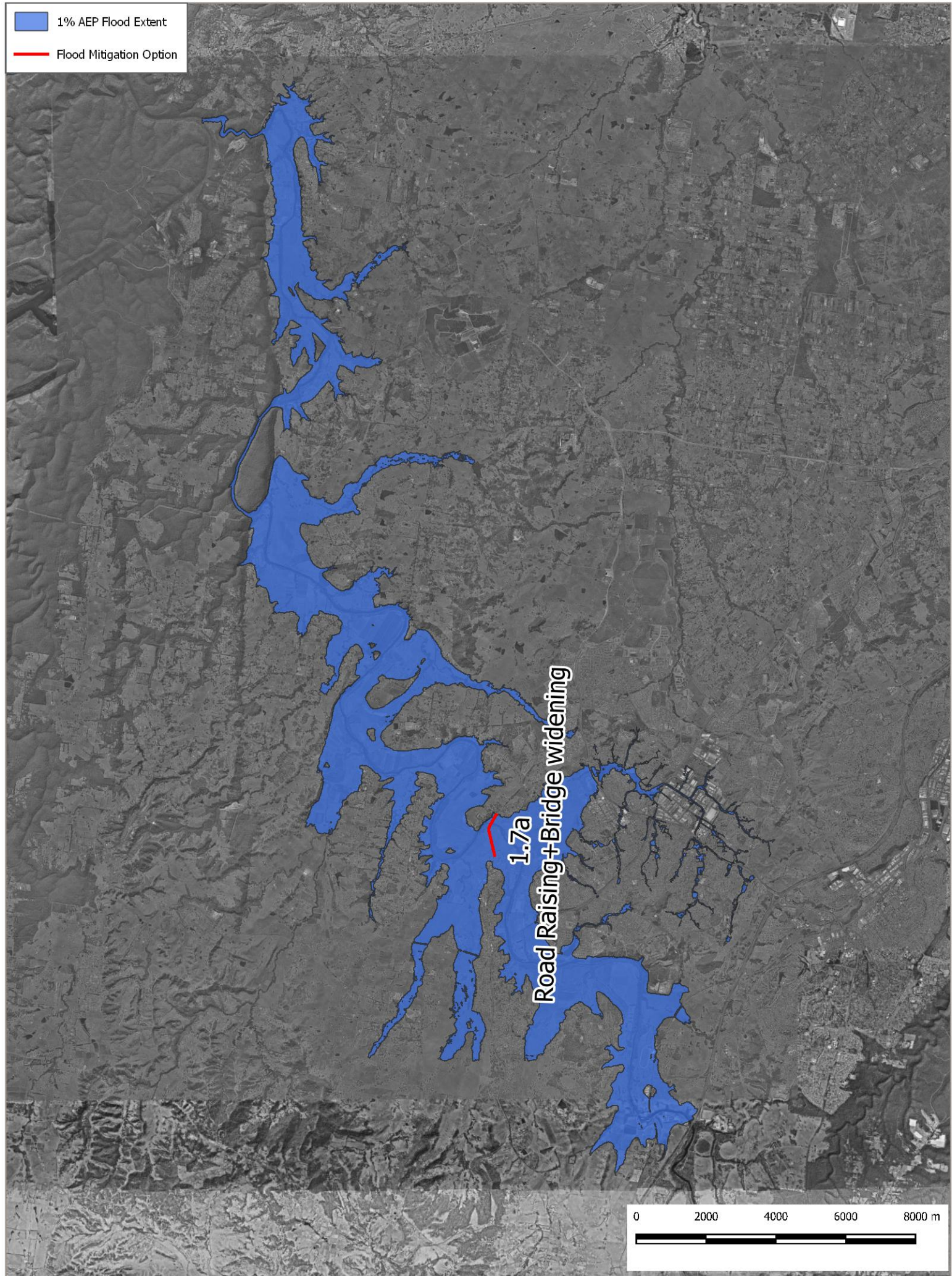


FM1.7 20% AEP  
Water Level Difference (m)













- Was Wet, Now Dry
- <-0.50
- 0.50 to -0.20
- 0.20 to -0.10
- 0.10 to -0.05
- 0.05 to -0.03
- 0.03 to -0.01
- 0.01 to 0.01
- 0.01 to 0.03
- 0.03 to 0.05
- 0.05 to 0.10
- 0.10 to 0.20
- 0.20 to 0.50
- >0.50
- Was Dry, Now Wet
- Flood Mitigation Option

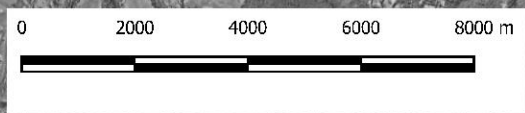
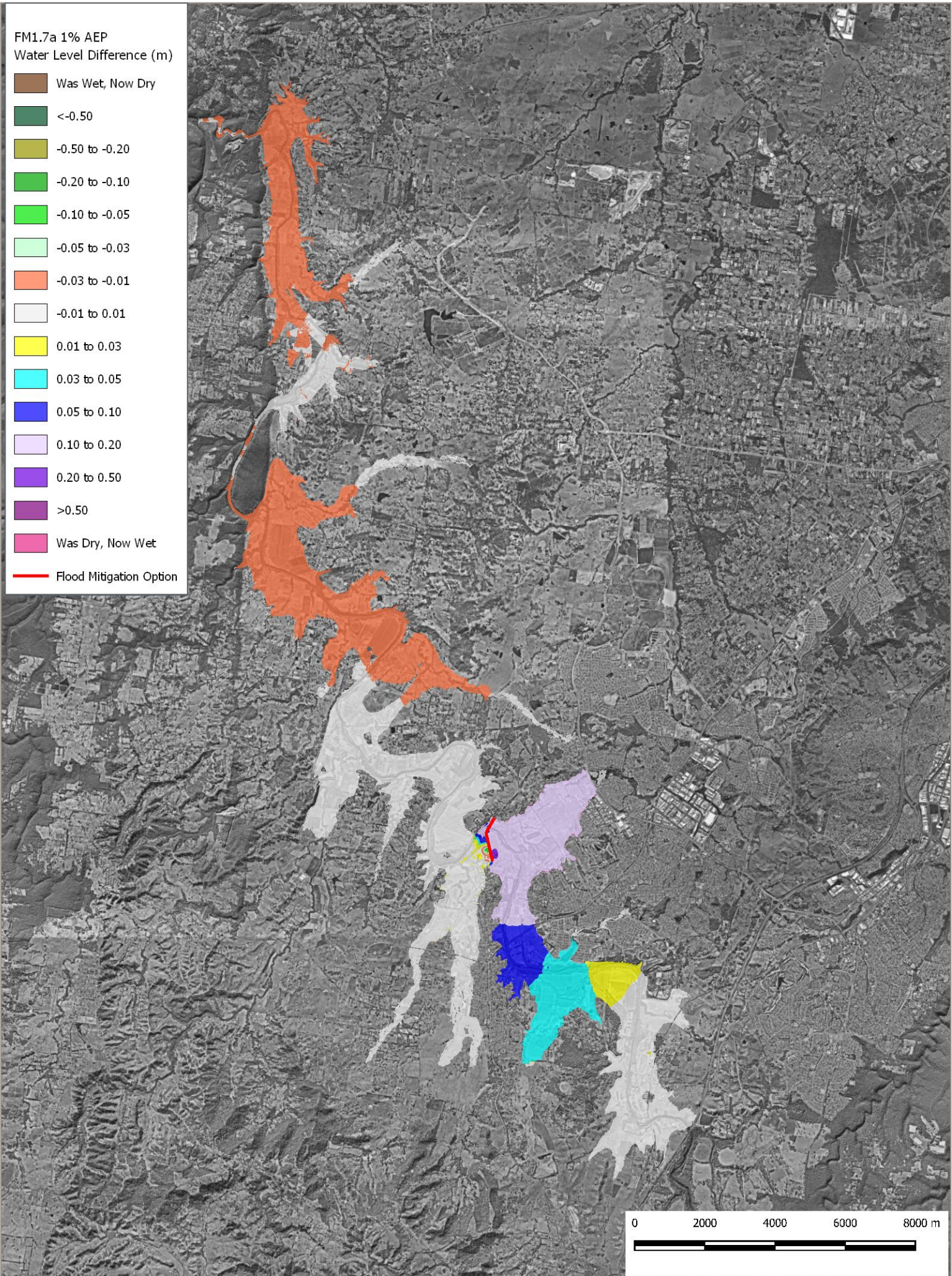


■ 1% AEP Flood Extent  
— Flood Mitigation Option














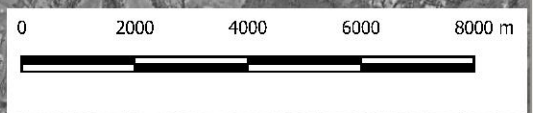
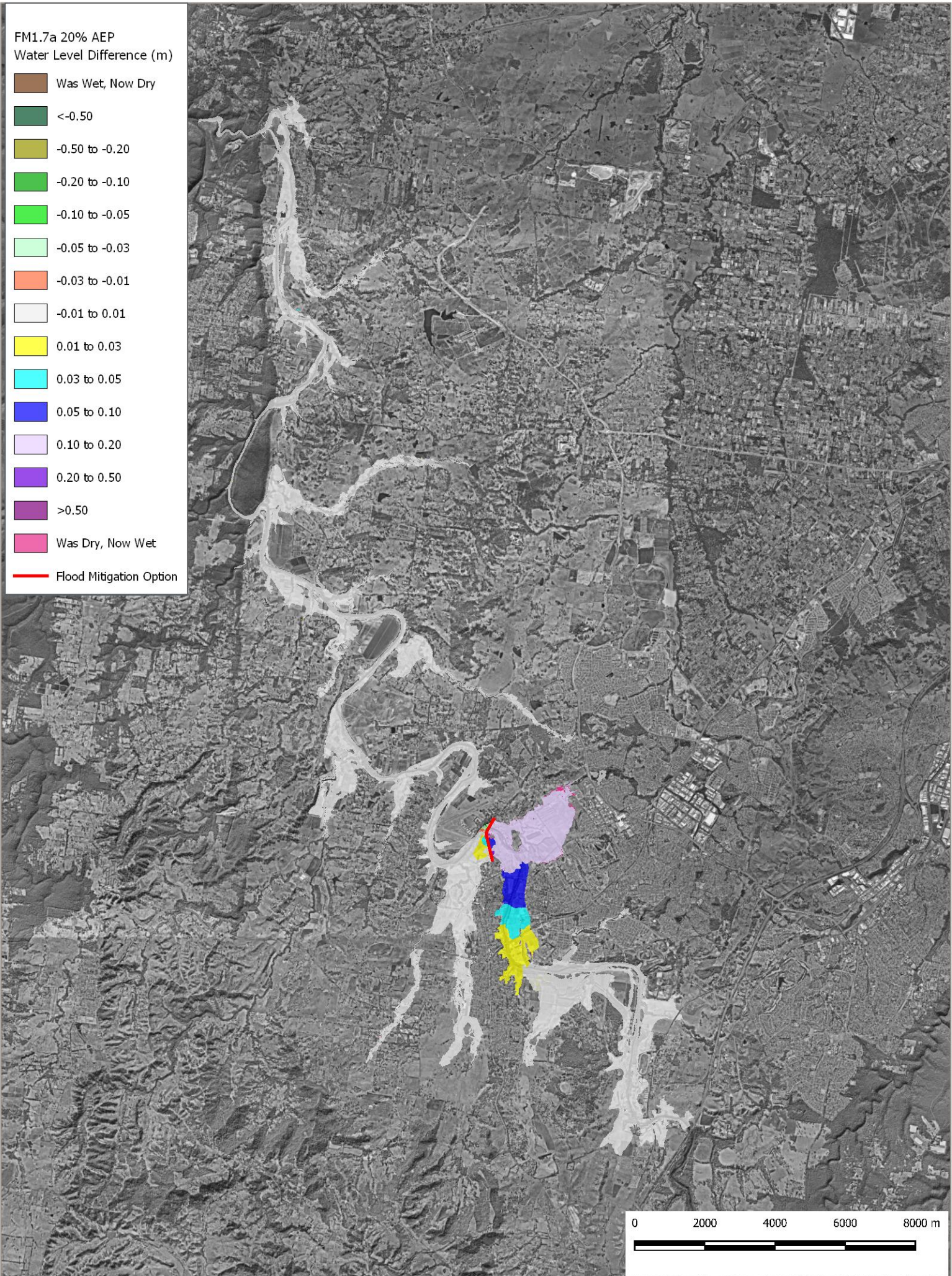
FM1.7a 1% AEP  
Water Level Difference (m)

-  Was Wet, Now Dry
-  <-0.50
-  -0.50 to -0.20
-  -0.20 to -0.10
-  -0.10 to -0.05
-  -0.05 to -0.03
-  -0.03 to -0.01
-  -0.01 to 0.01
-  0.01 to 0.03
-  0.03 to 0.05
-  0.05 to 0.10
-  0.10 to 0.20
-  0.20 to 0.50
-  >0.50
-  Was Dry, Now Wet
-  Flood Mitigation Option



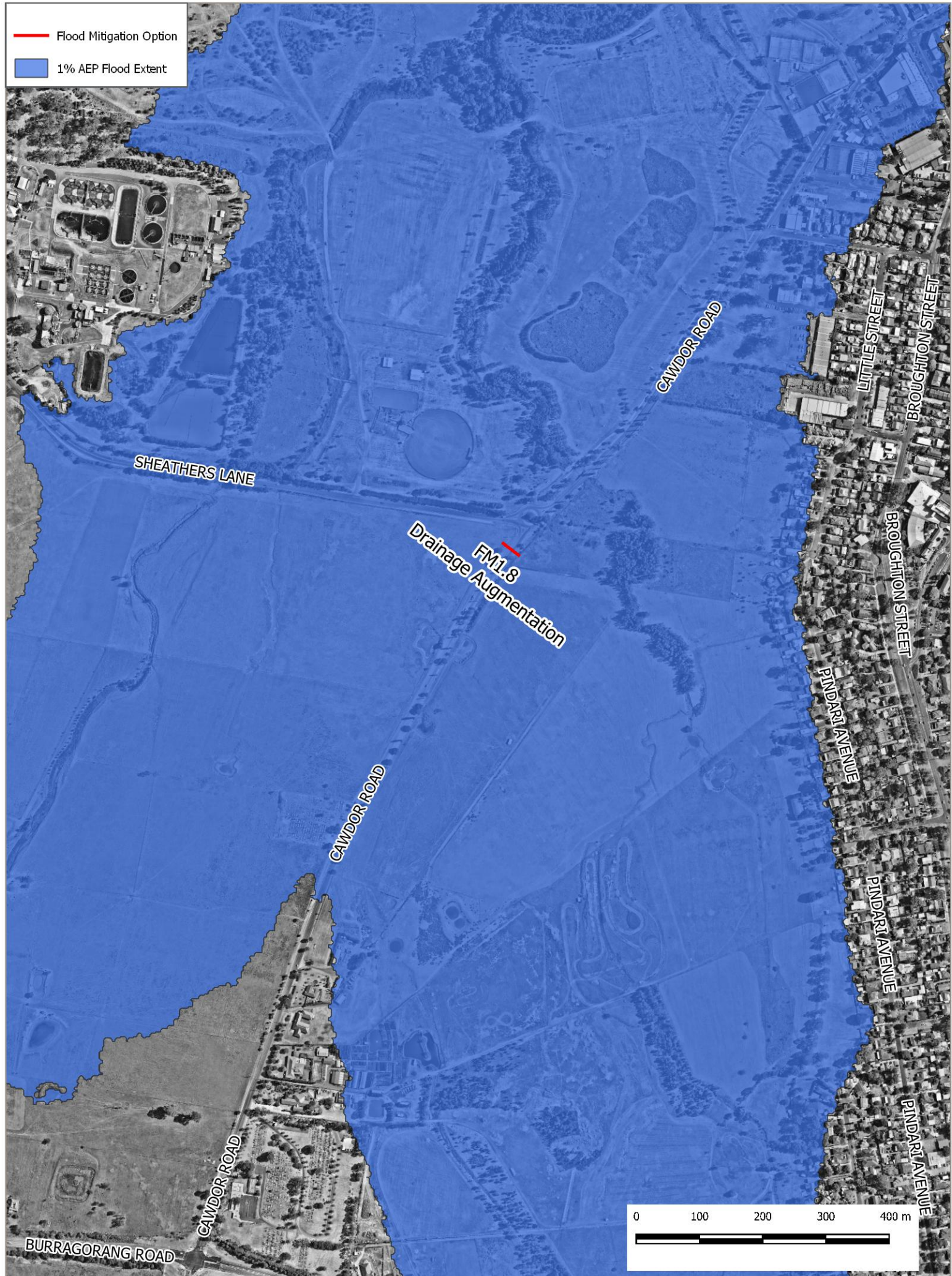
FM1.7a 20% AEP  
Water Level Difference (m)

-  Was Wet, Now Dry
-  <-0.50
-  -0.50 to -0.20
-  -0.20 to -0.10
-  -0.10 to -0.05
-  -0.05 to -0.03
-  -0.03 to -0.01
-  -0.01 to 0.01
-  0.01 to 0.03
-  0.03 to 0.05
-  0.05 to 0.10
-  0.10 to 0.20
-  0.20 to 0.50
-  >0.50
-  Was Dry, Now Wet
-  Flood Mitigation Option

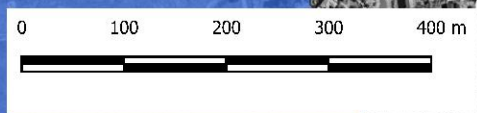


Flood Mitigation Option

1% AEP Flood Extent

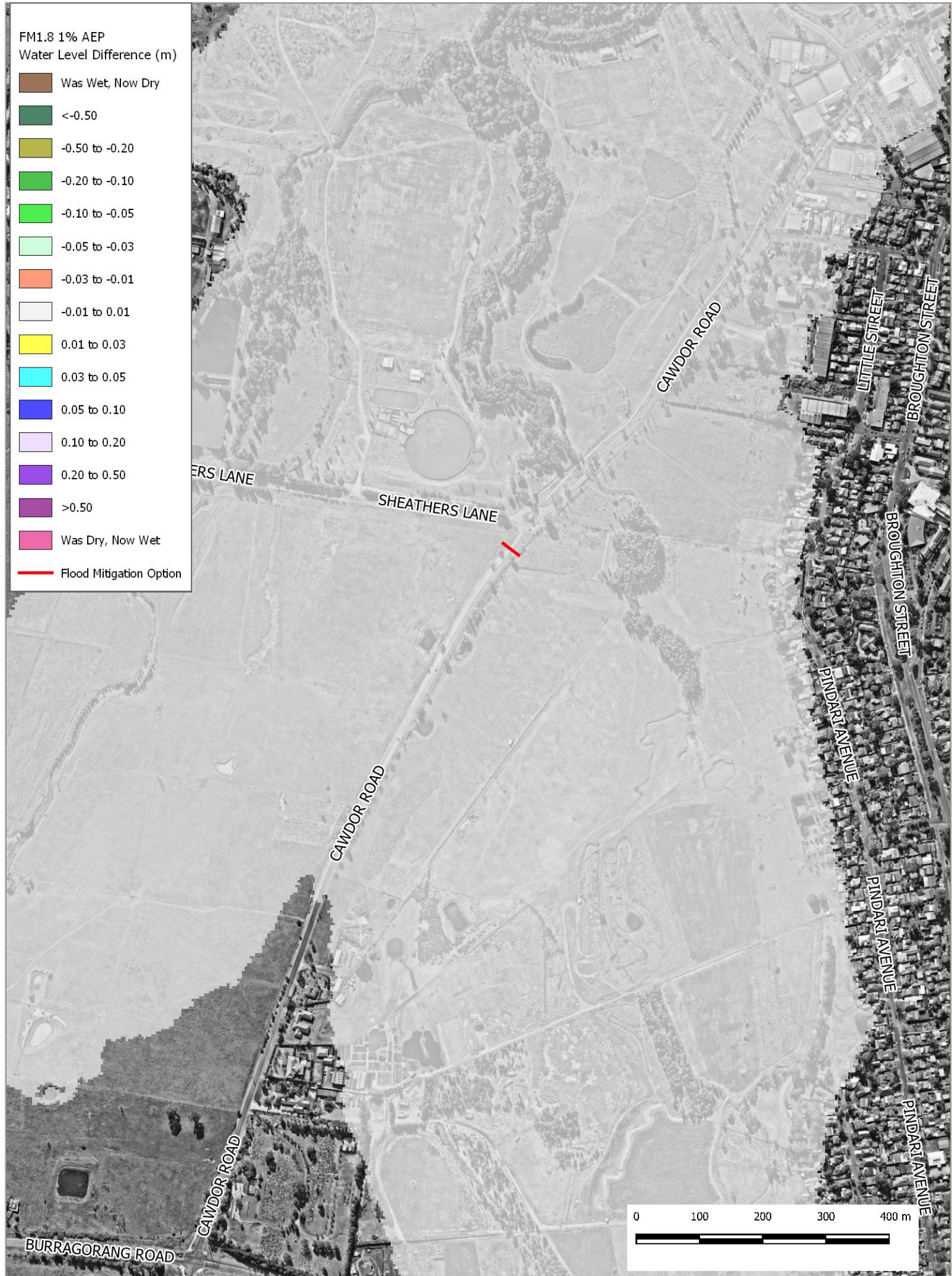


FM1.8  
Drainage Augmentation



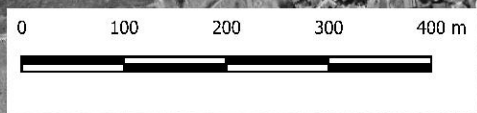
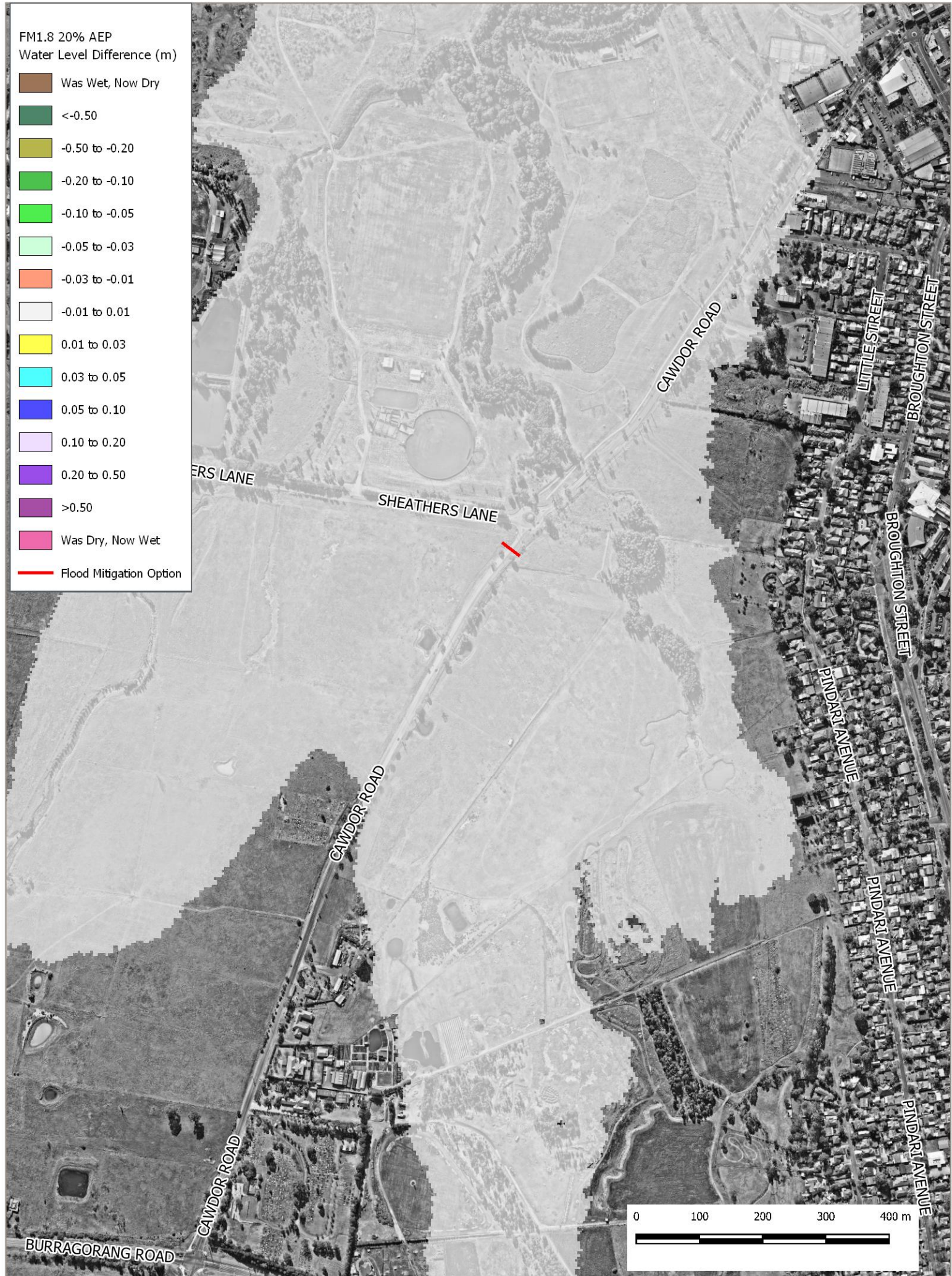
FM1.8 1% AEP  
Water Level Difference (m)

- Was Wet, Now Dry
- <-0.50
- 0.50 to -0.20
- 0.20 to -0.10
- 0.10 to -0.05
- 0.05 to -0.03
- 0.03 to -0.01
- 0.01 to 0.01
- 0.01 to 0.03
- 0.03 to 0.05
- 0.05 to 0.10
- 0.10 to 0.20
- 0.20 to 0.50
- >0.50
- Was Dry, Now Wet
- Flood Mitigation Option





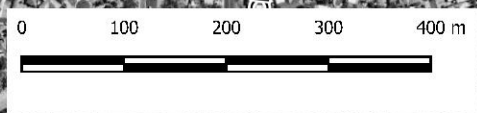
FM1.8 20% AEP  
Water Level Difference (m)



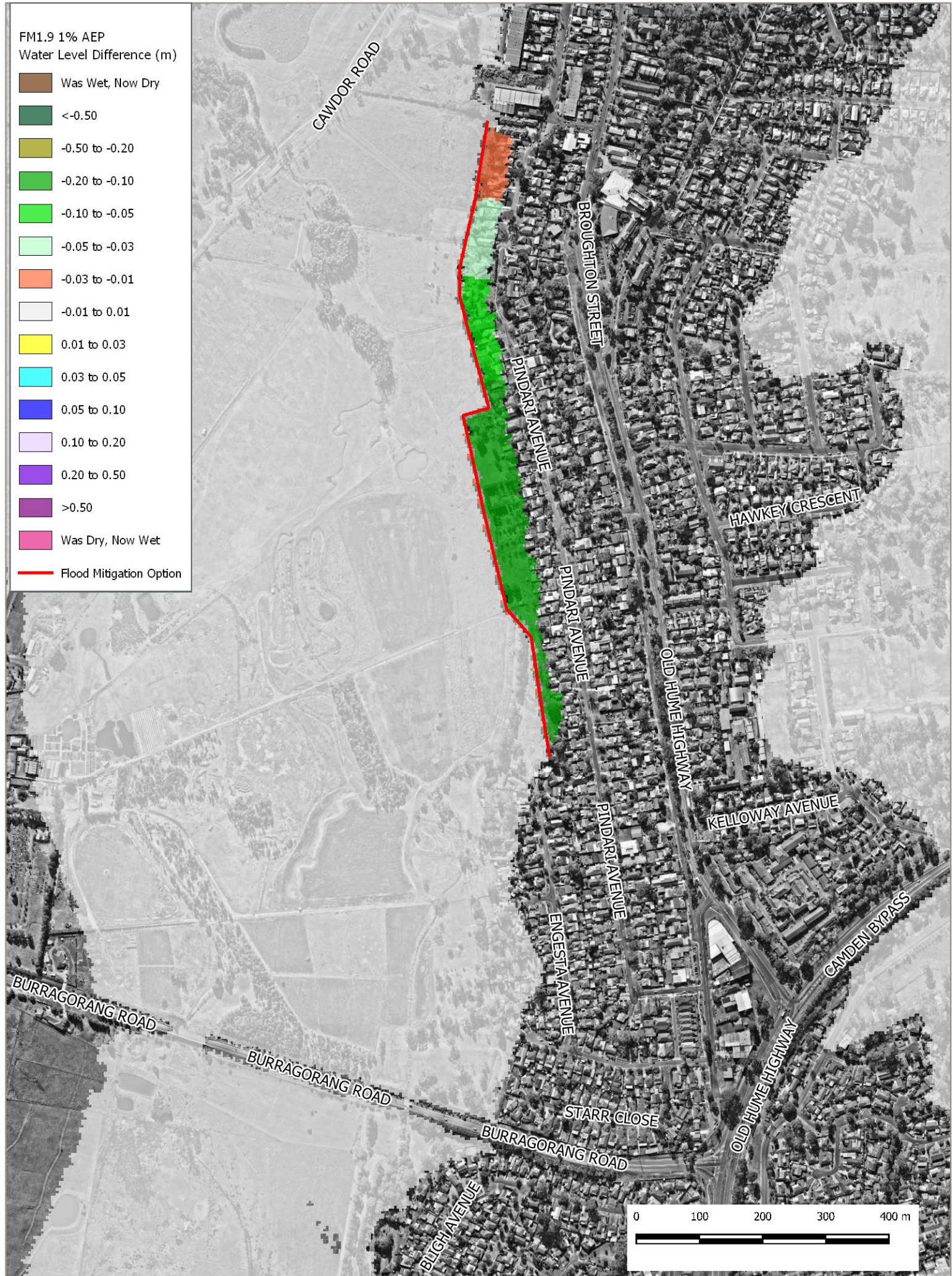


— Flood Mitigation Option  
 ■ 1% AEP Flood Extent

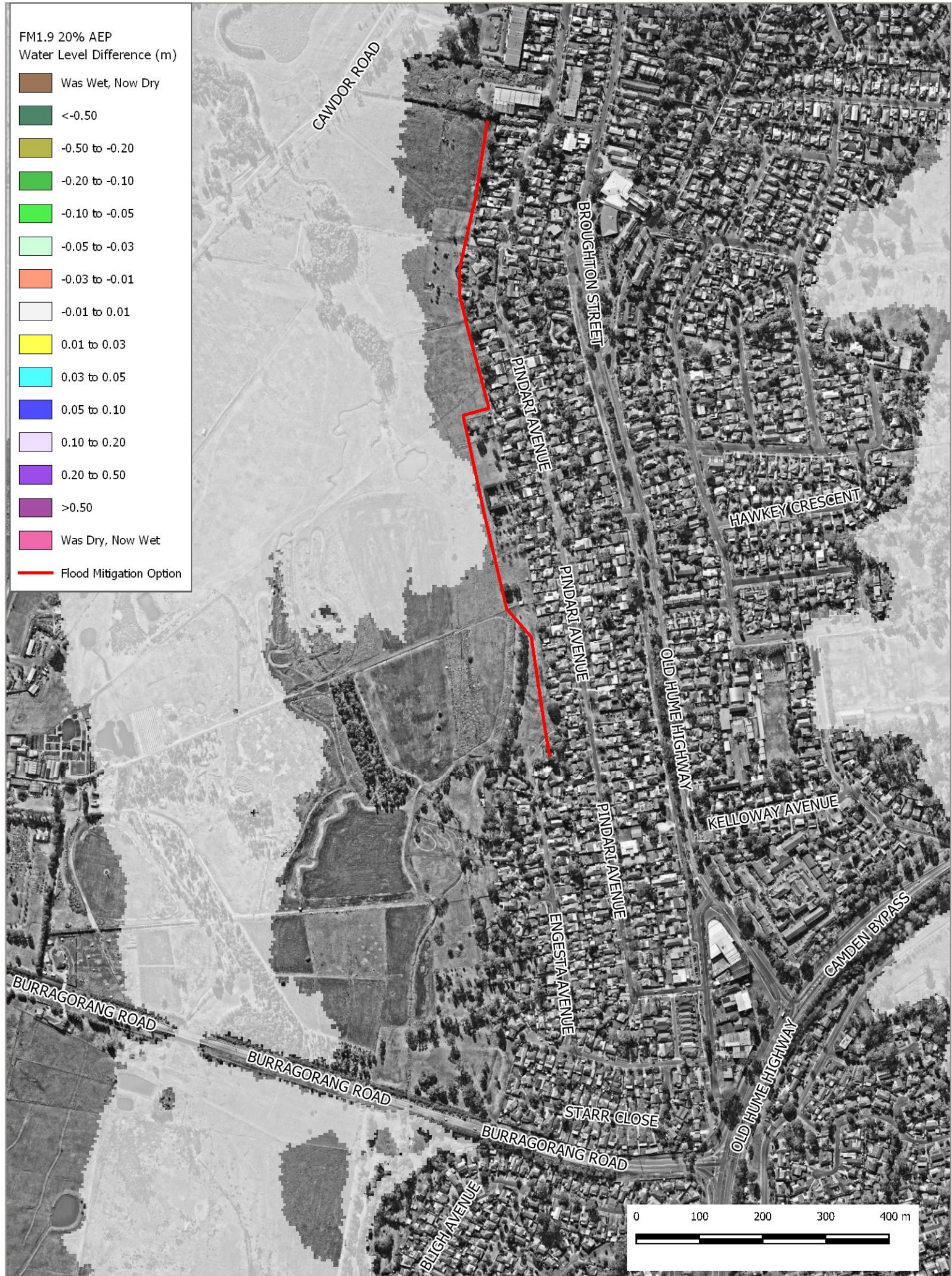
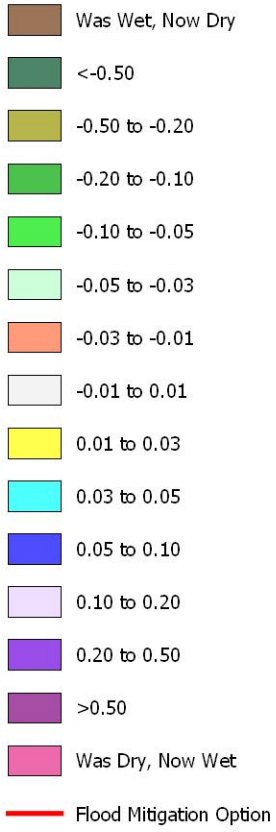
FM1.9  
 Levee





FM1.9 1% AEP  
Water Level Difference (m)



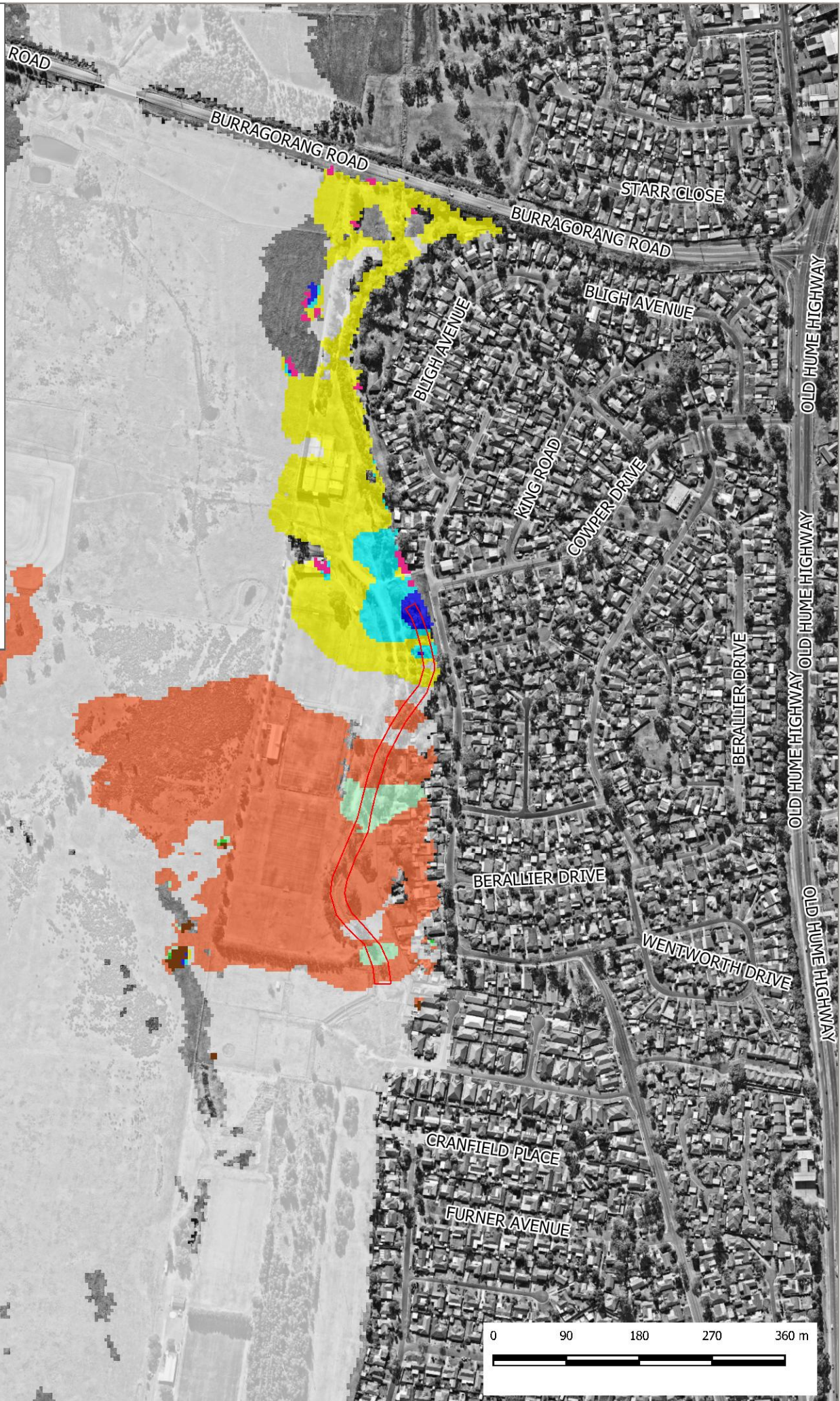
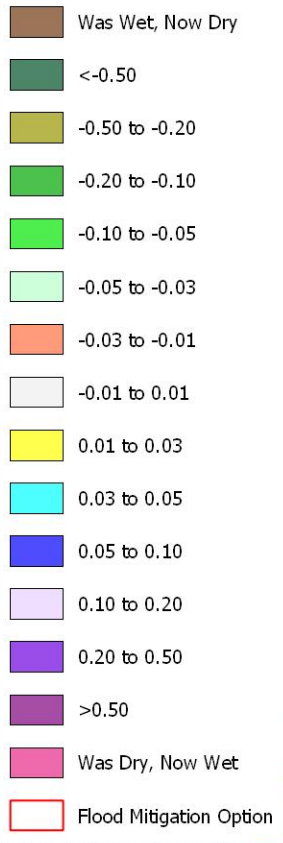
FM1.9 20% AEP  
Water Level Difference (m)



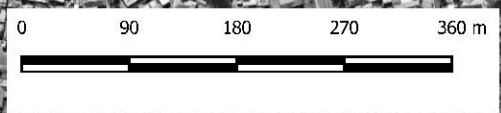
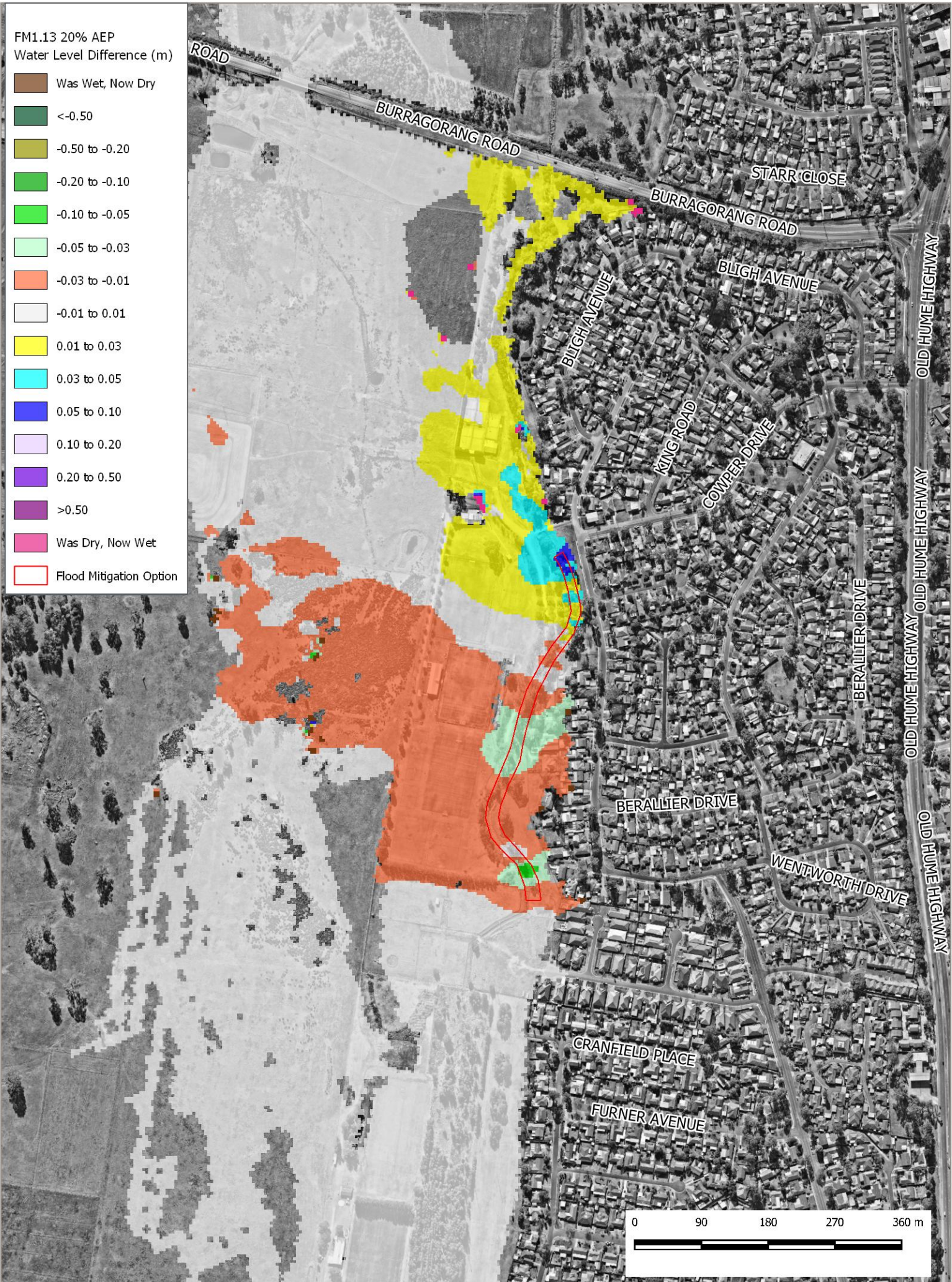
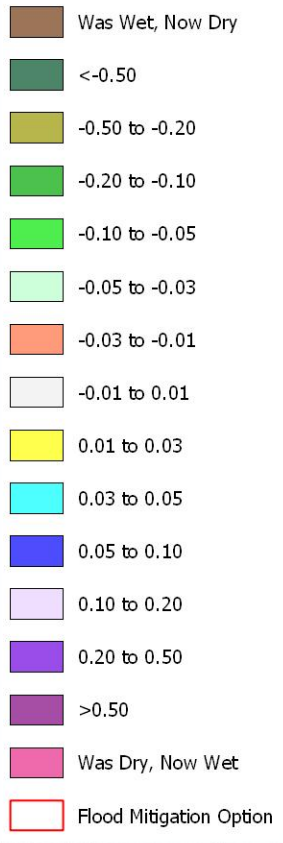
 Flood Mitigation Option  
 1% AEP Flood Extent

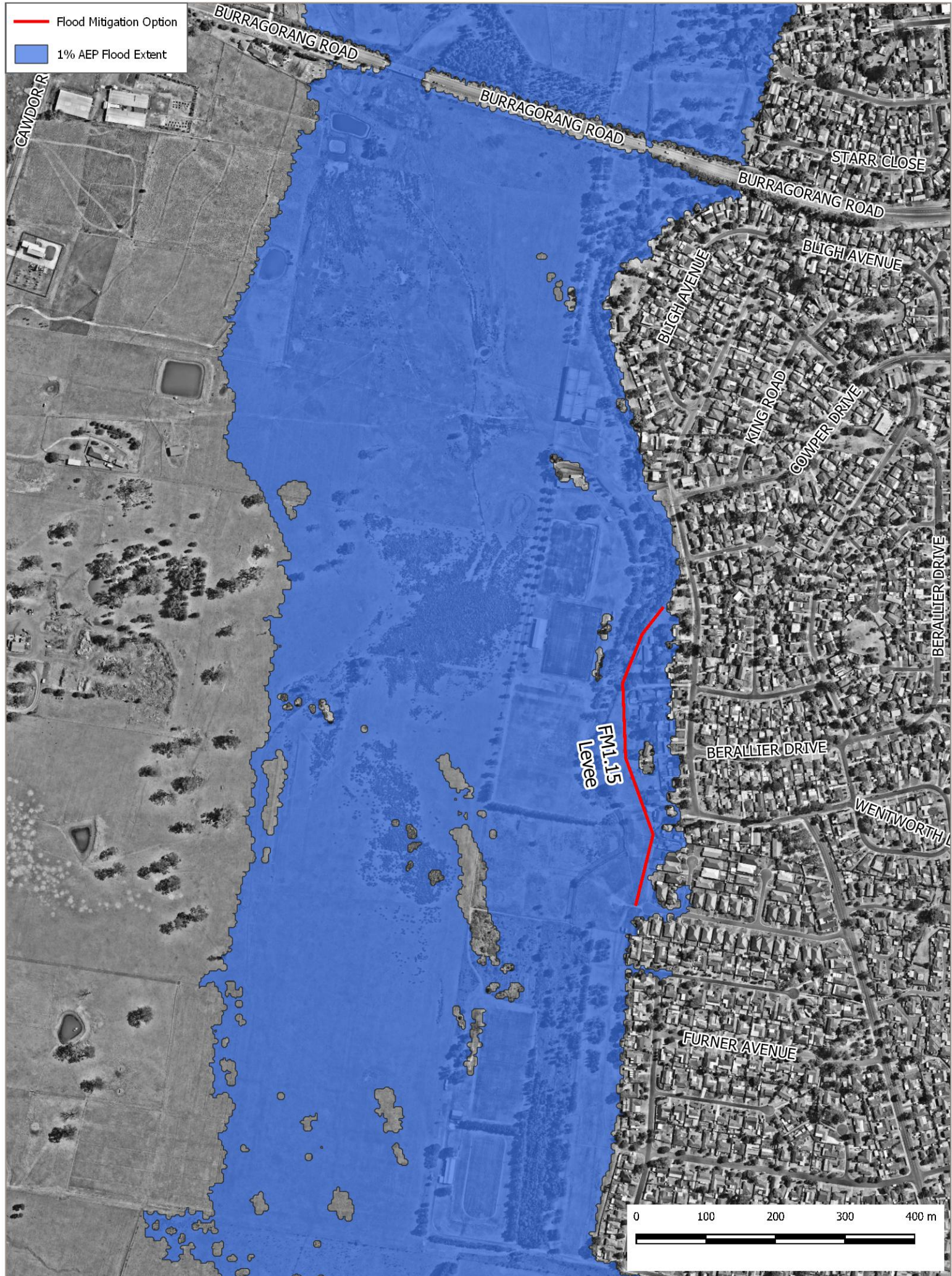


FM1.13 1% AEP  
Water Level Difference (m)



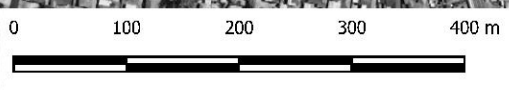
FM1.13 20% AEP  
Water Level Difference (m)



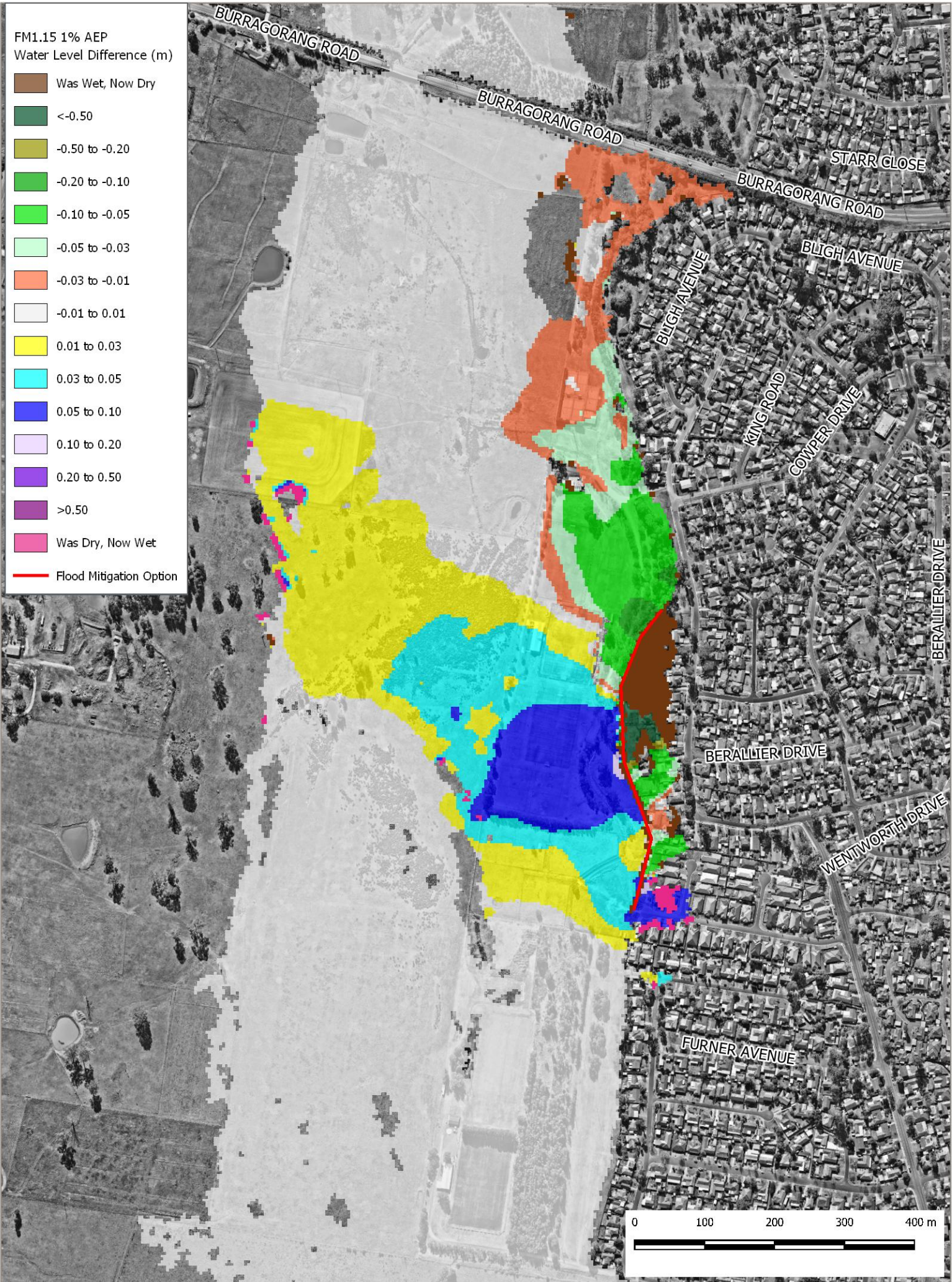


— Flood Mitigation Option  
 1% AEP Flood Extent

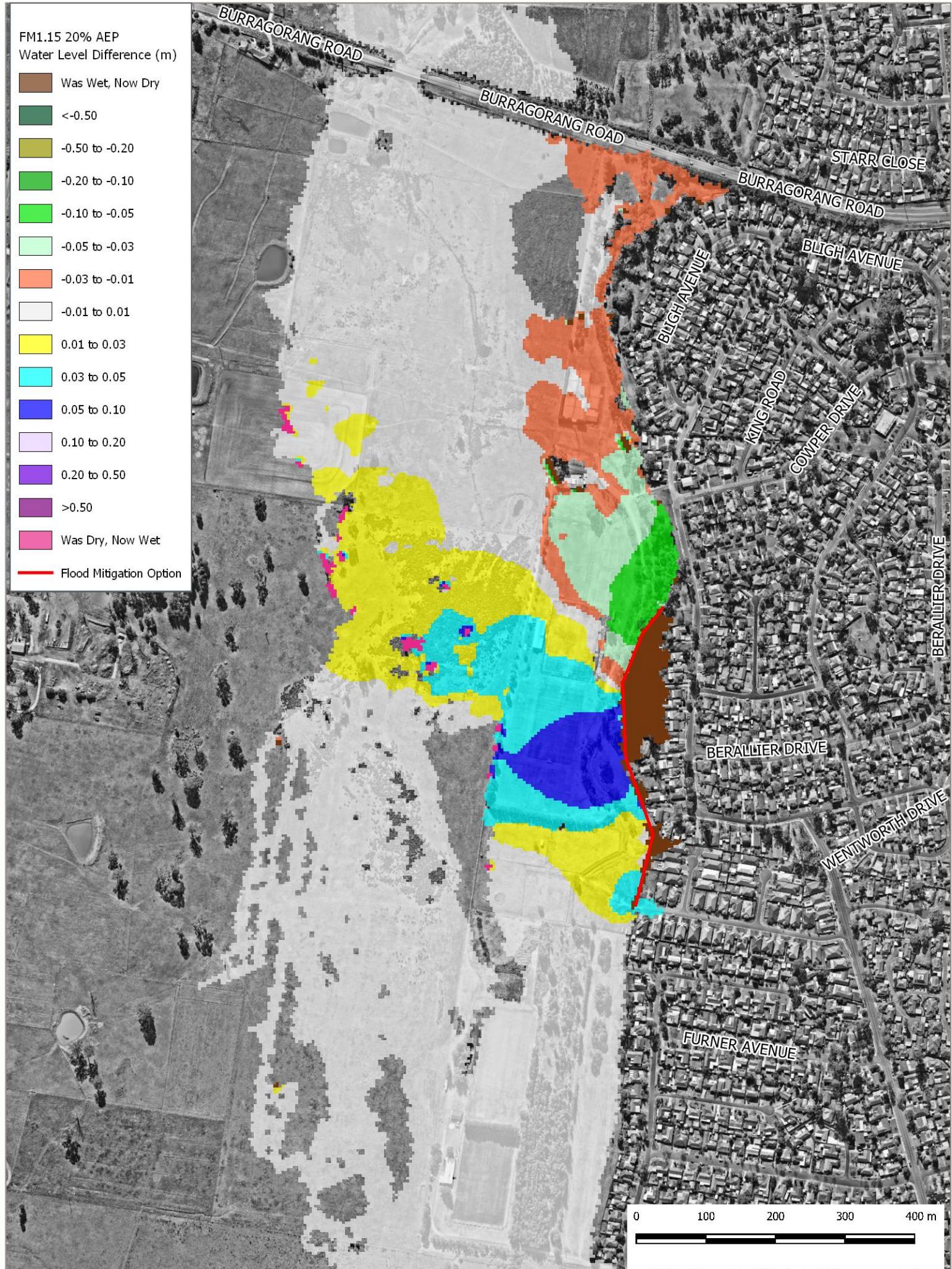
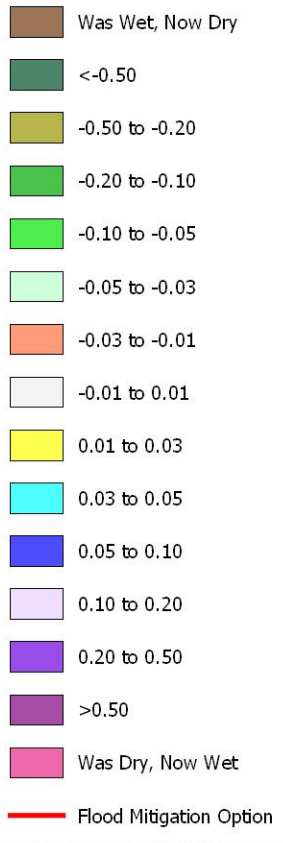
FM1.15  
Levee







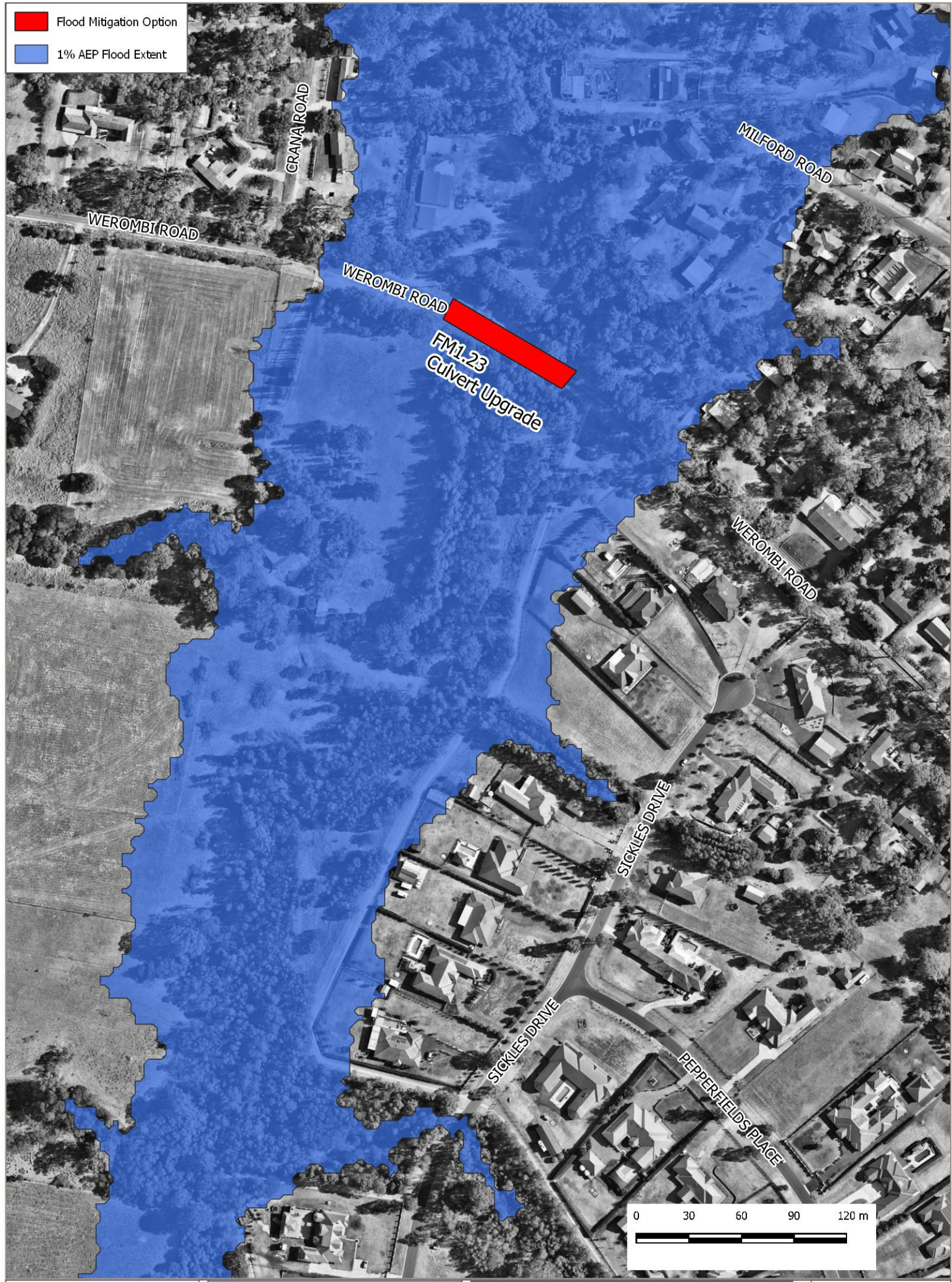


FM1.15 20% AEP  
Water Level Difference (m)

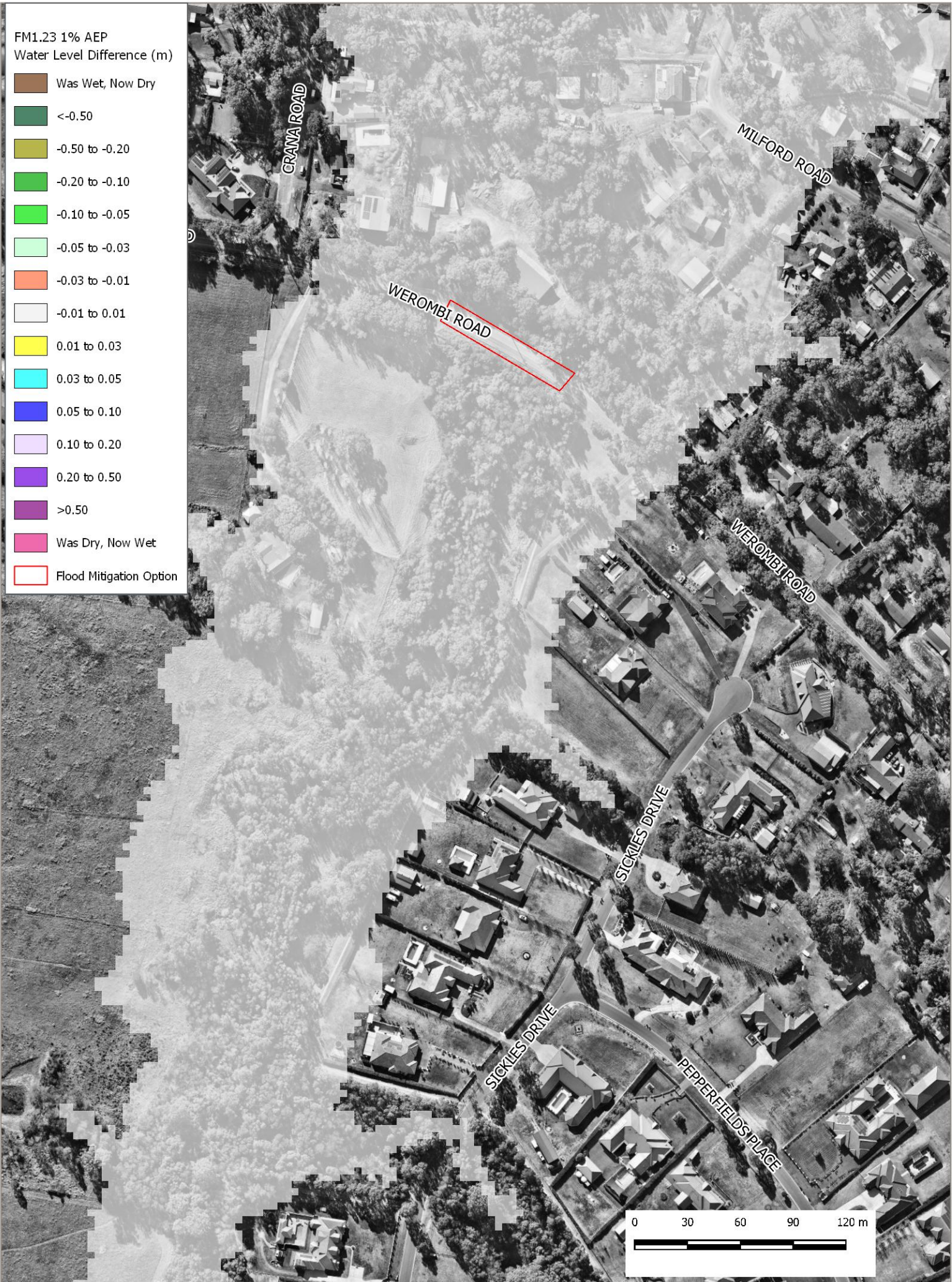
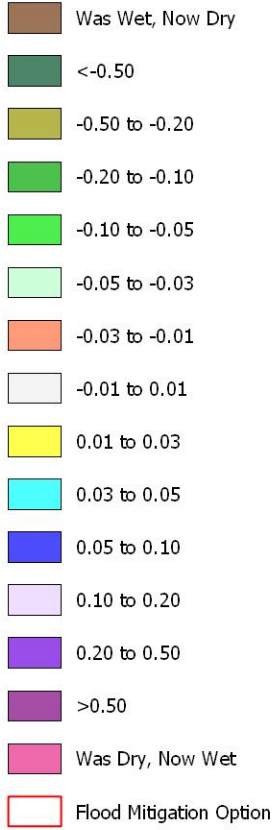


 Flood Mitigation Option

 1% AEP Flood Extent

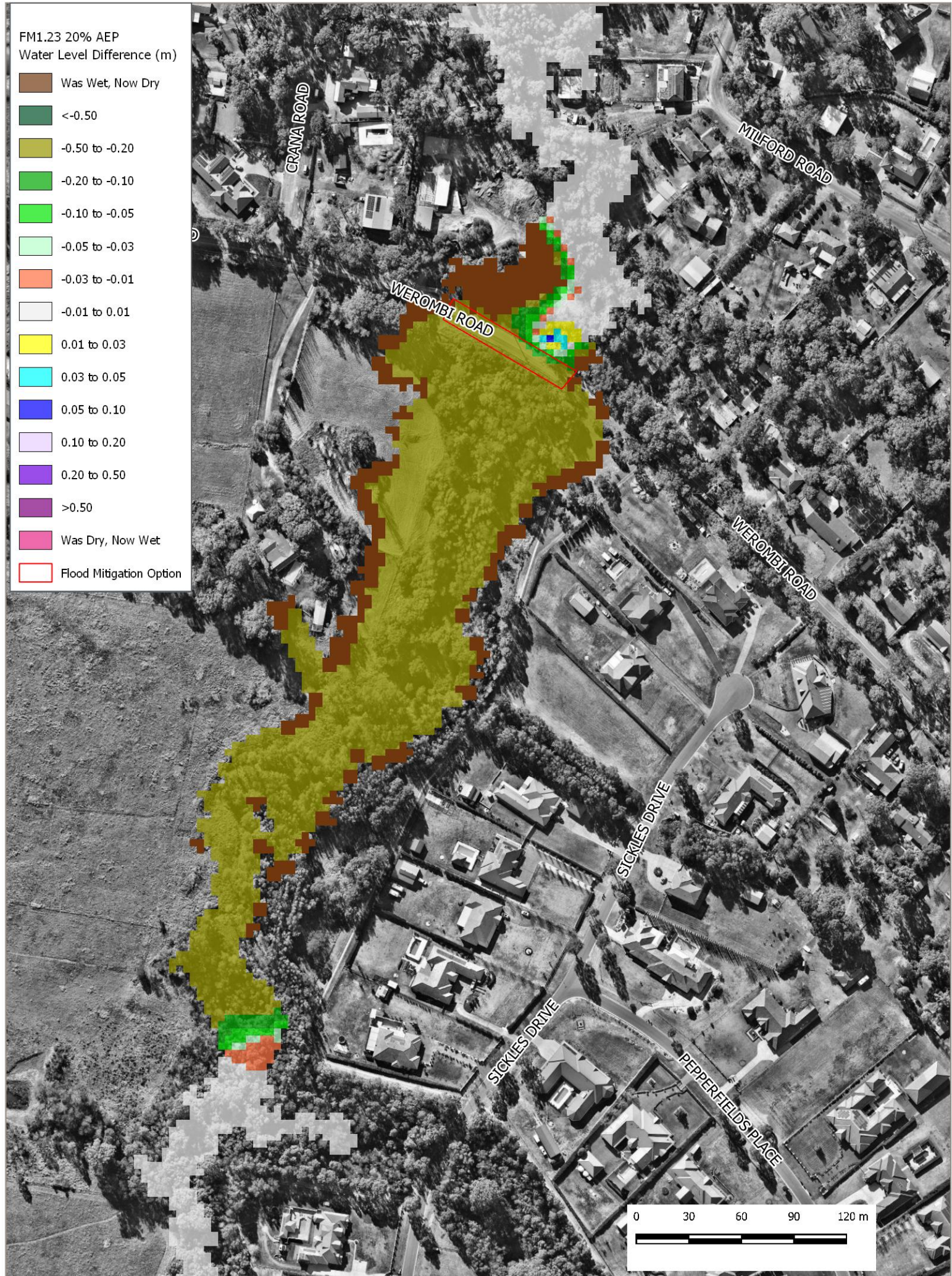




FM1.23 1% AEP  
Water Level Difference (m)

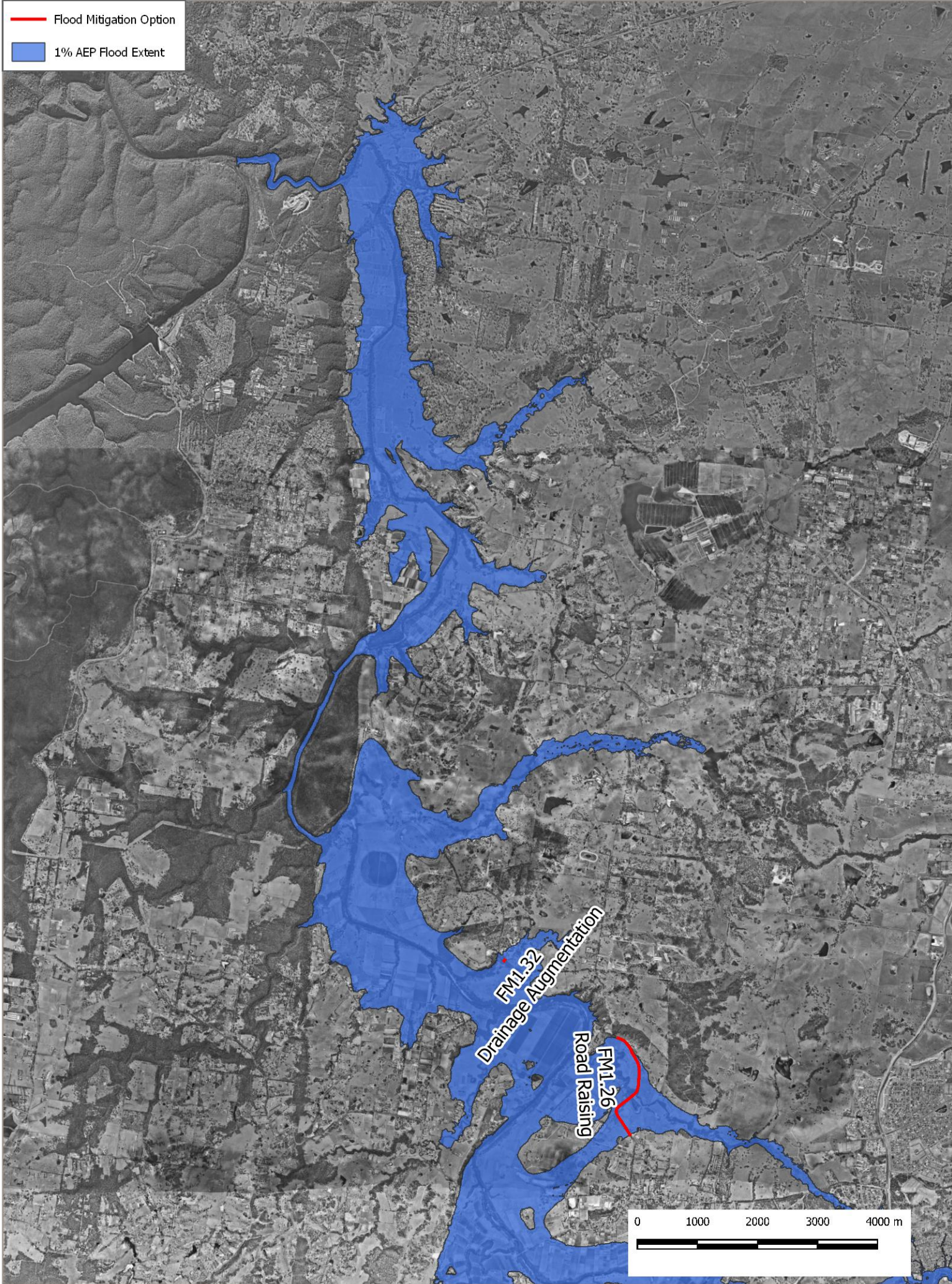


FM1.23 20% AEP  
Water Level Difference (m)

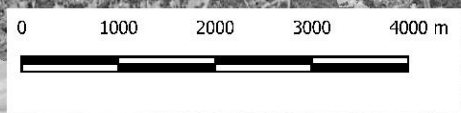
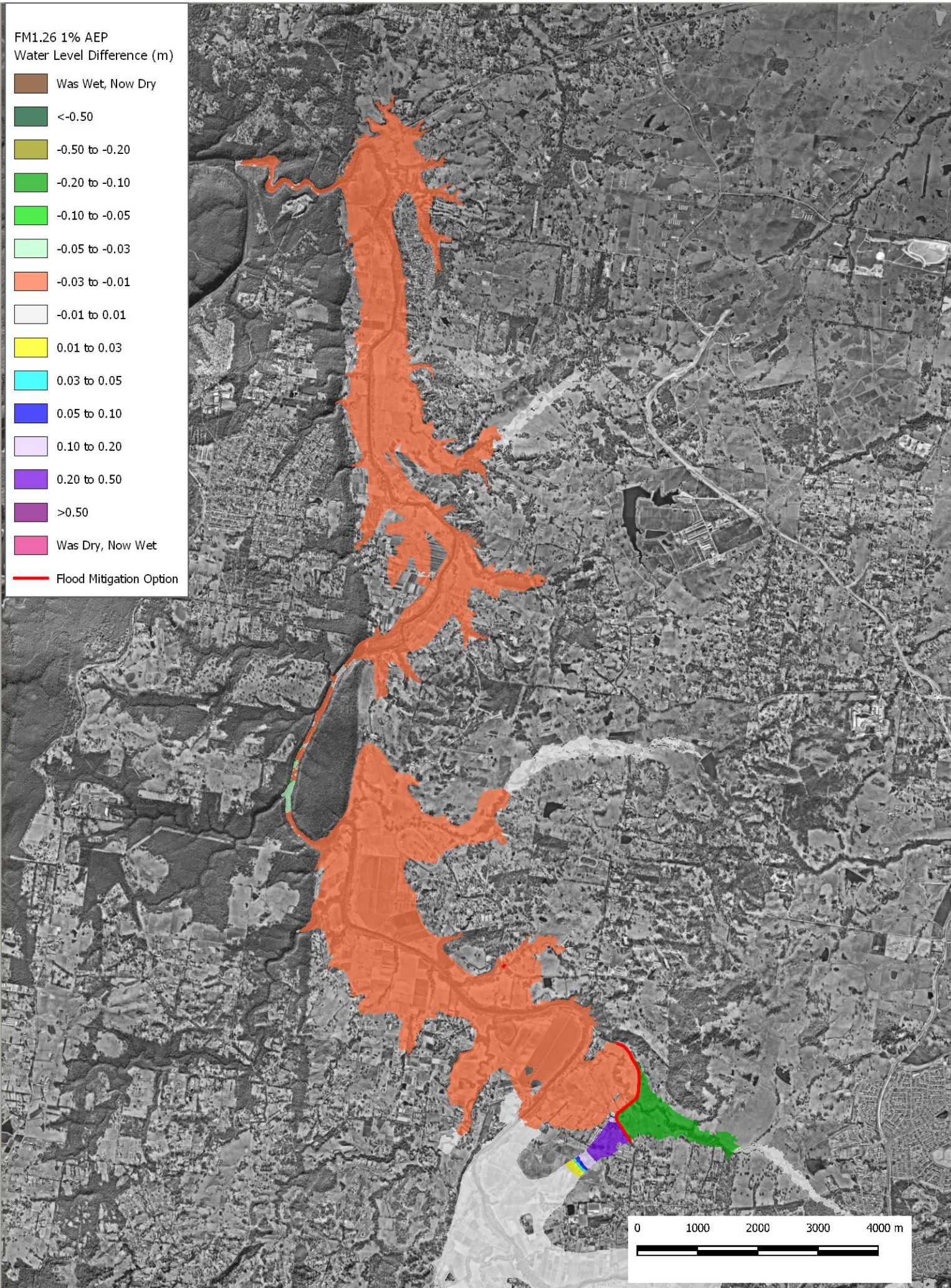
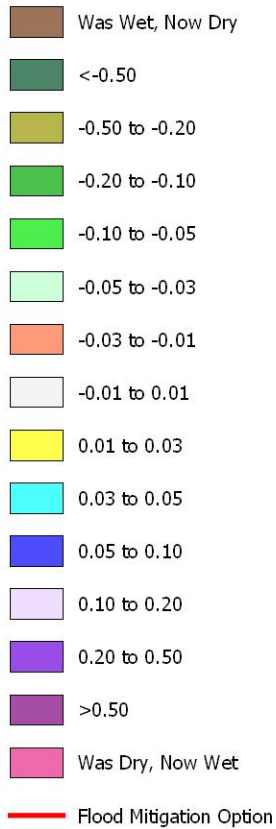
- Was Wet, Now Dry
- <-0.50
- 0.50 to -0.20
- 0.20 to -0.10
- 0.10 to -0.05
- 0.05 to -0.03
- 0.03 to -0.01
- 0.01 to 0.01
- 0.01 to 0.03
- 0.03 to 0.05
- 0.05 to 0.10
- 0.10 to 0.20
- 0.20 to 0.50
- >0.50
- Was Dry, Now Wet
- Flood Mitigation Option














 Flood Mitigation Option  
 1% AEP Flood Extent

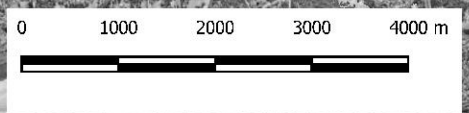
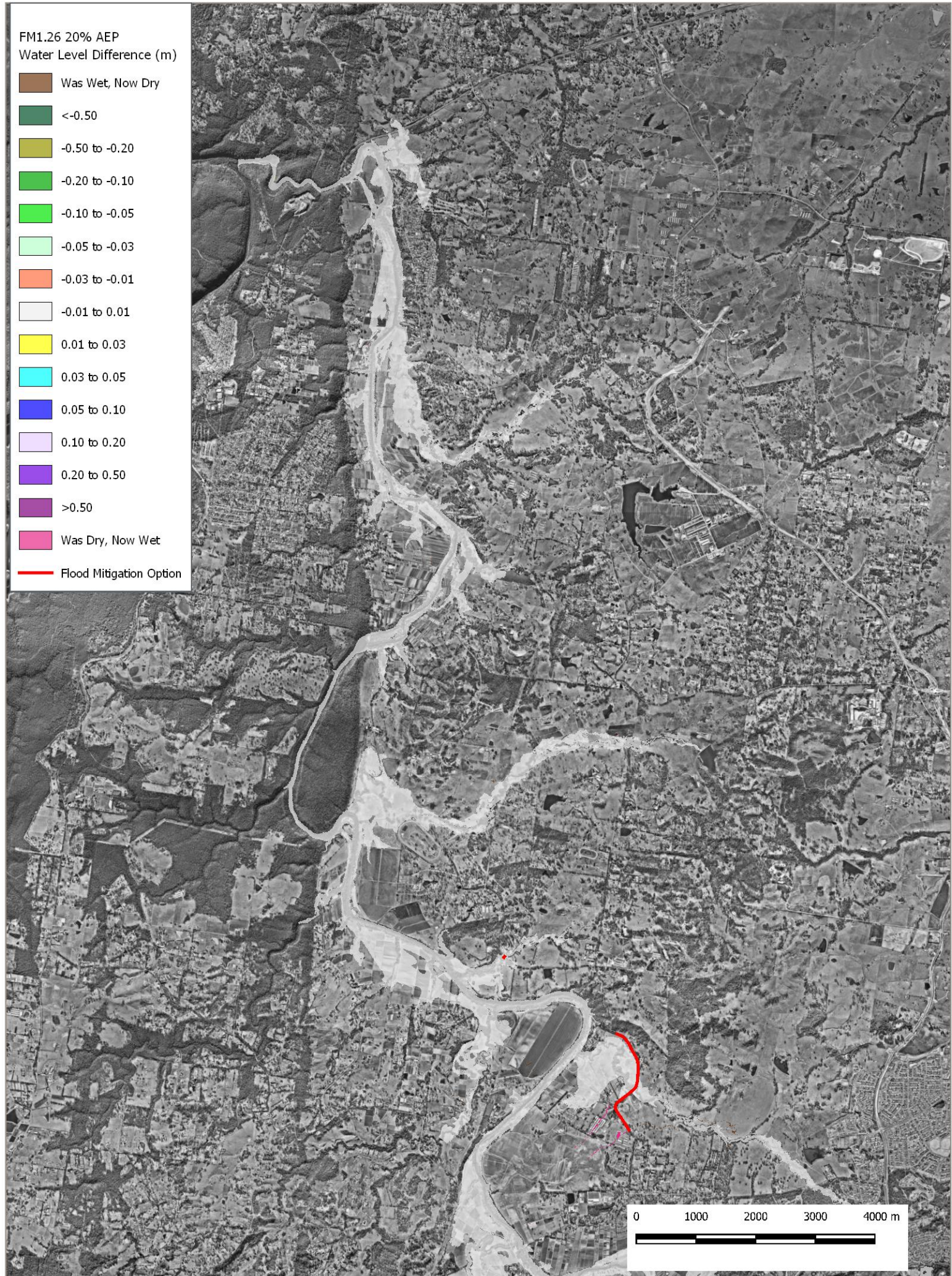


FM1.26 1% AEP  
Water Level Difference (m)





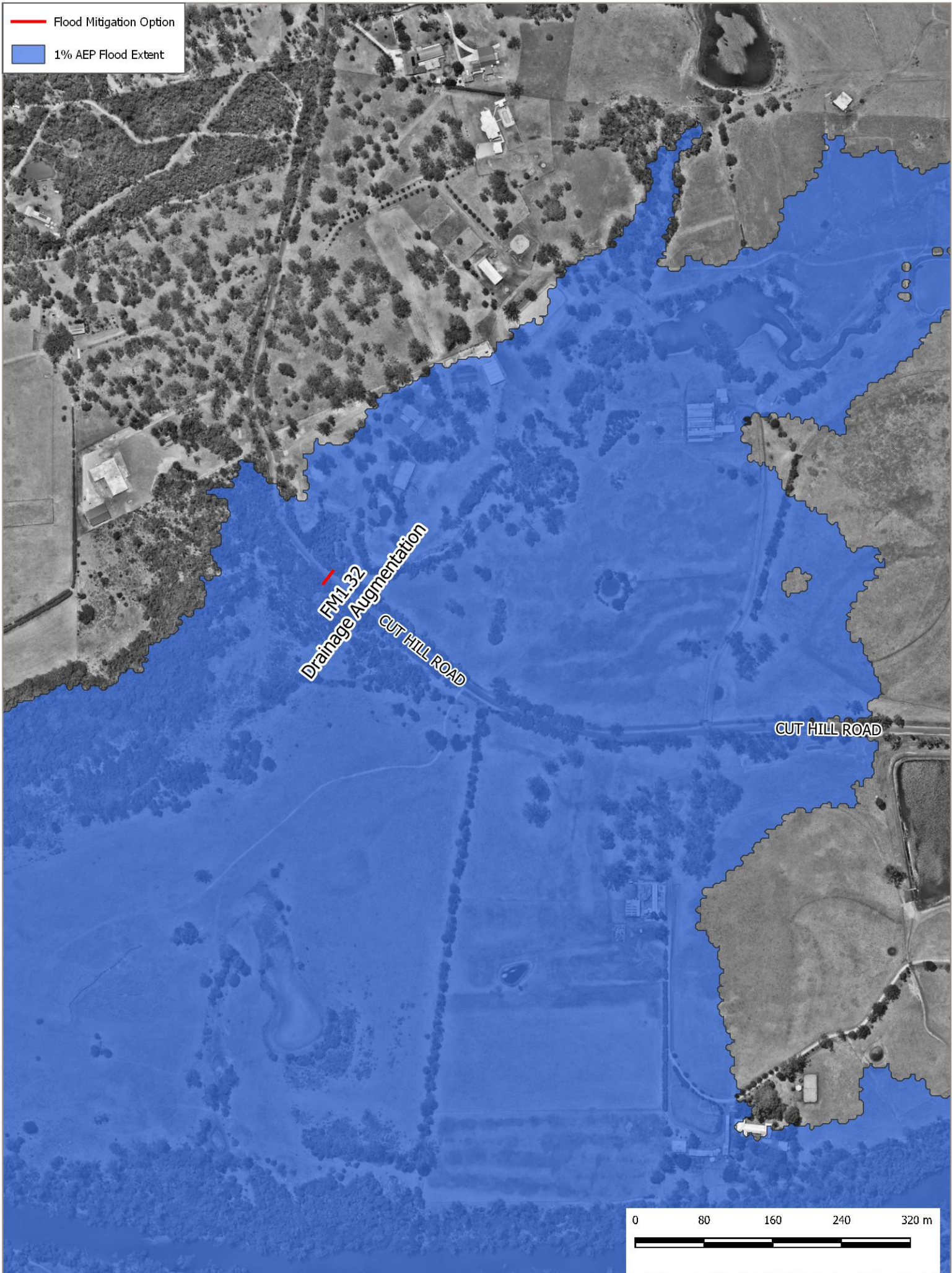
FM1.26 20% AEP  
Water Level Difference (m)

-  Was Wet, Now Dry
-  <-0.50
-  -0.50 to -0.20
-  -0.20 to -0.10
-  -0.10 to -0.05
-  -0.05 to -0.03
-  -0.03 to -0.01
-  -0.01 to 0.01
-  0.01 to 0.03
-  0.03 to 0.05
-  0.05 to 0.10
-  0.10 to 0.20
-  0.20 to 0.50
-  >0.50
-  Was Dry, Now Wet
-  Flood Mitigation Option



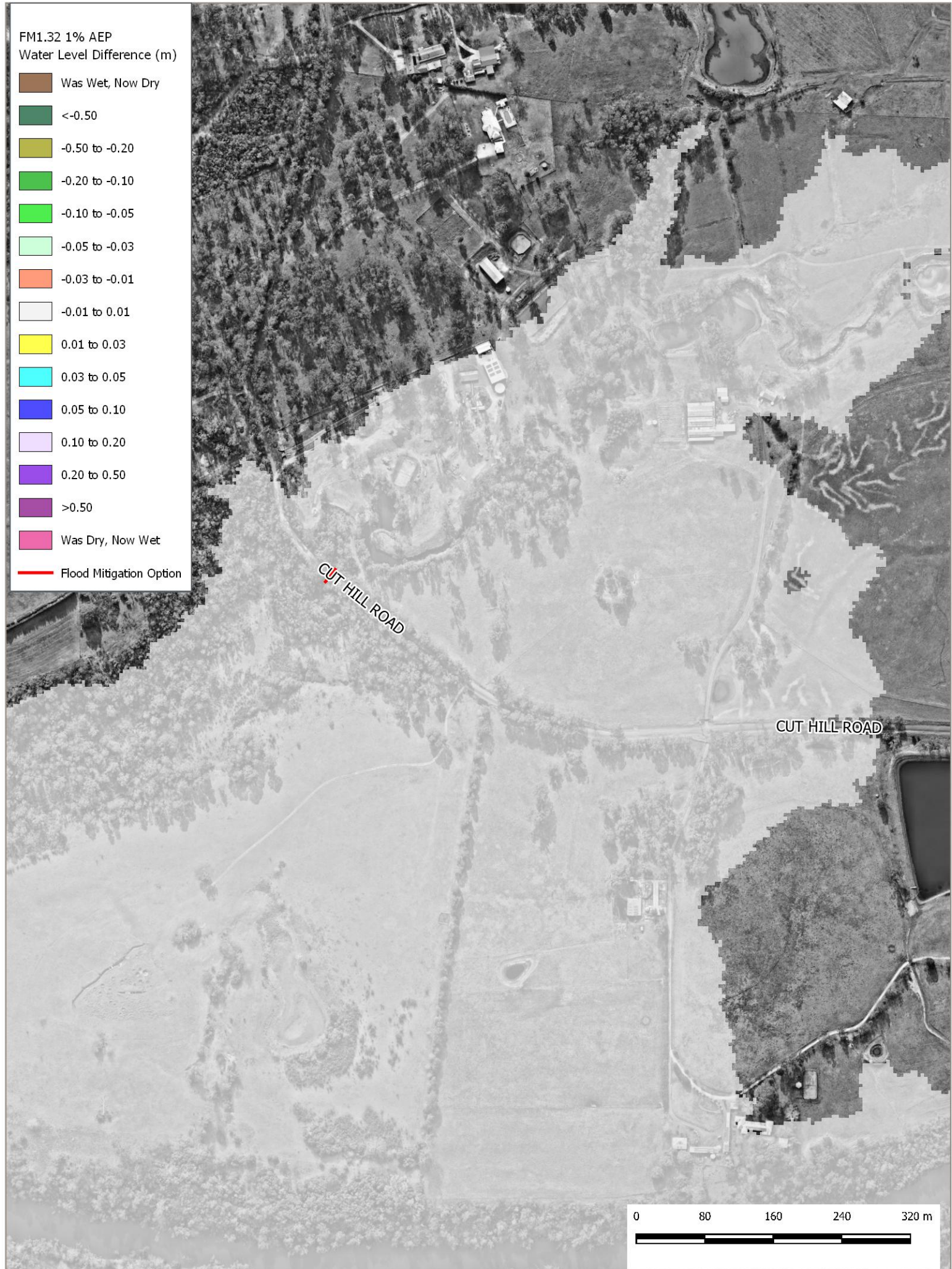


-  Flood Mitigation Option
-  1% AEP Flood Extent



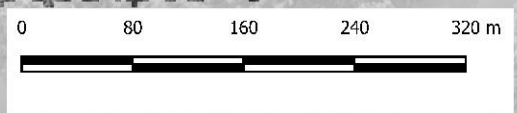
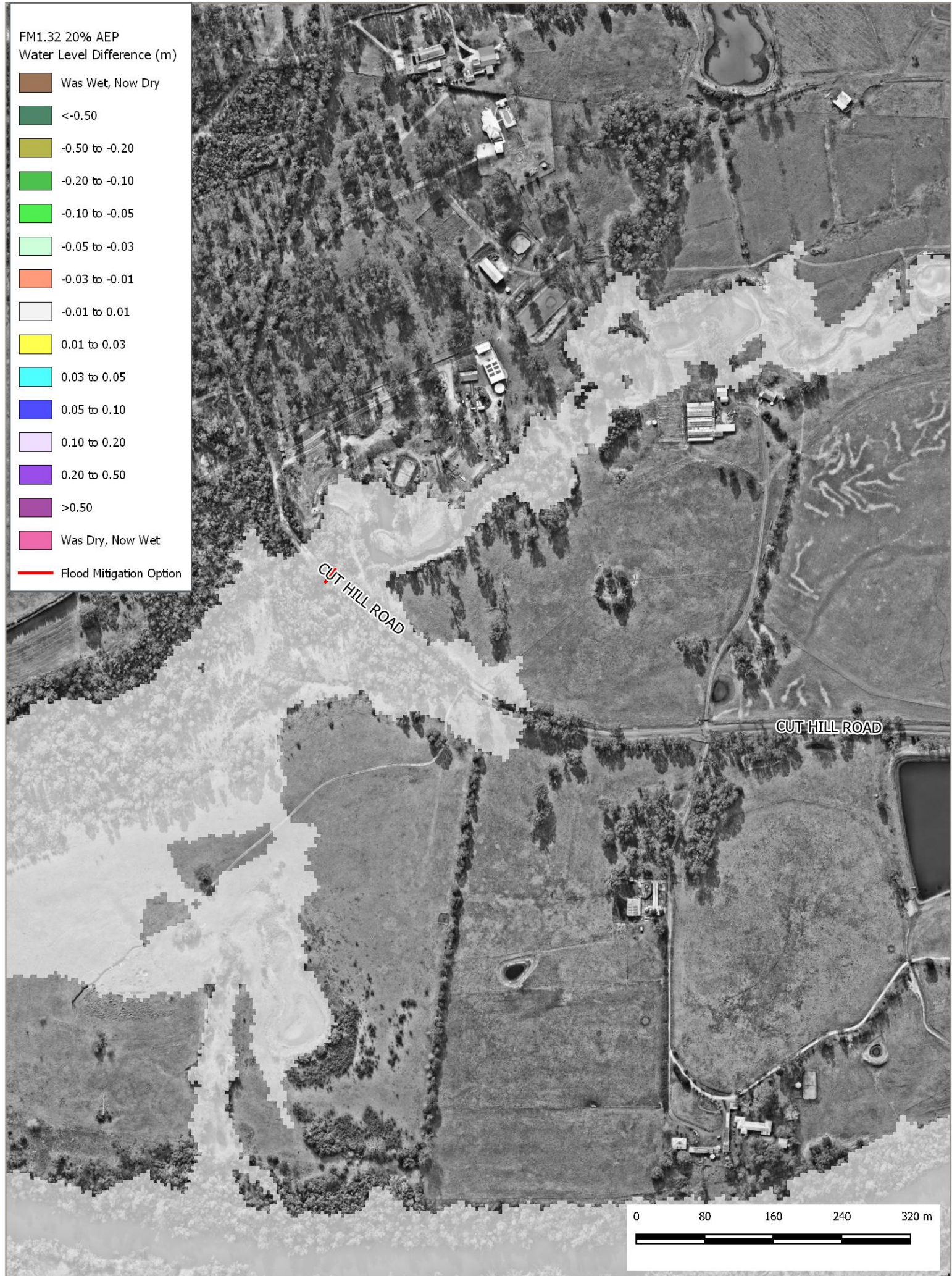
FM1.32 1% AEP  
Water Level Difference (m)

- Was Wet, Now Dry
- <-0.50
- 0.50 to -0.20
- 0.20 to -0.10
- 0.10 to -0.05
- 0.05 to -0.03
- 0.03 to -0.01
- 0.01 to 0.01
- 0.01 to 0.03
- 0.03 to 0.05
- 0.05 to 0.10
- 0.10 to 0.20
- 0.20 to 0.50
- >0.50
- Was Dry, Now Wet
- Flood Mitigation Option

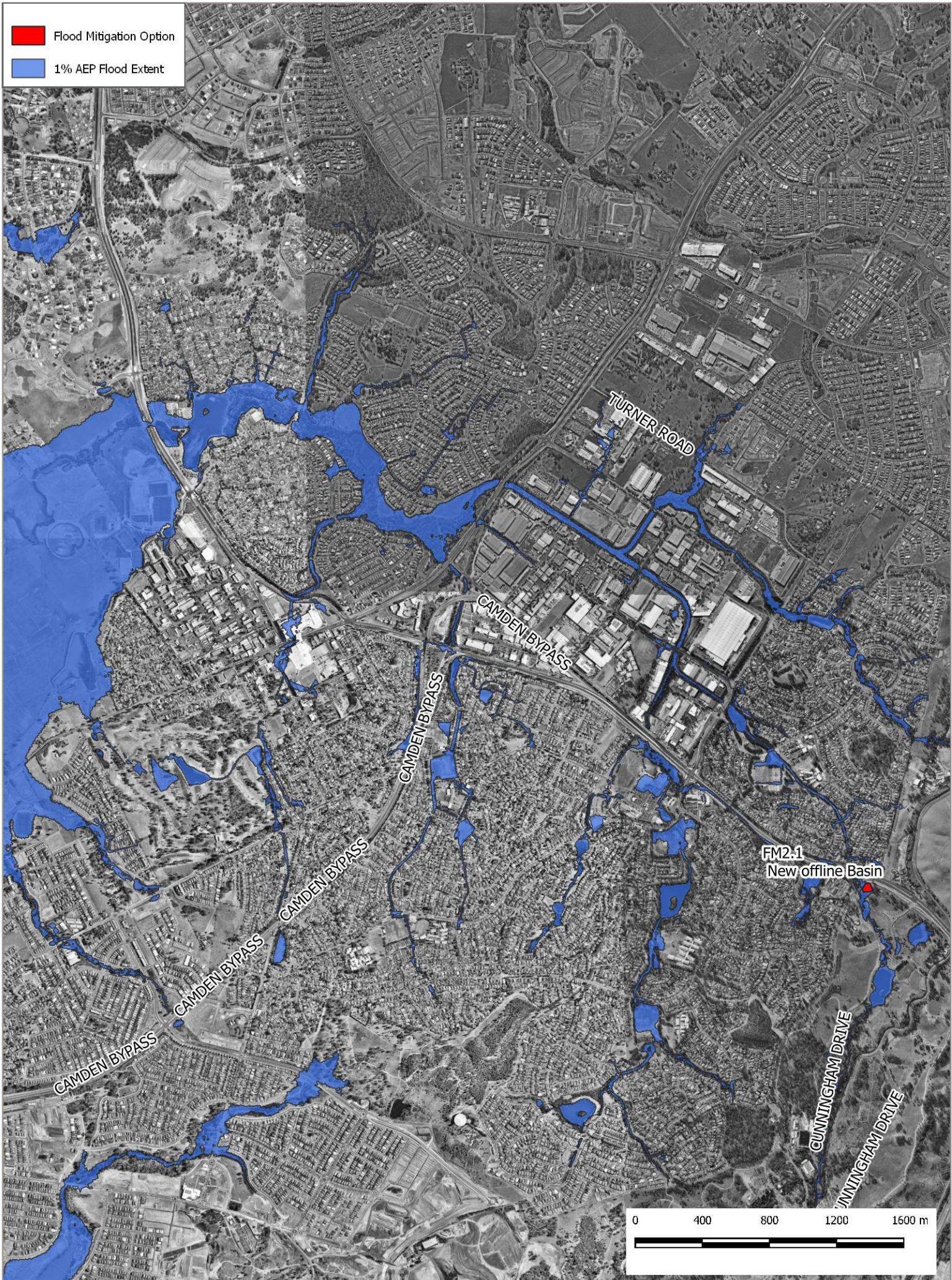


FM1.32 20% AEP  
Water Level Difference (m)















- Was Wet, Now Dry
- <-0.50
- 0.50 to -0.20
- 0.20 to -0.10
- 0.10 to -0.05
- 0.05 to -0.03
- 0.03 to -0.01
- 0.01 to 0.01
- 0.01 to 0.03
- 0.03 to 0.05
- 0.05 to 0.10
- 0.10 to 0.20
- 0.20 to 0.50
- >0.50
- Was Dry, Now Wet
- Flood Mitigation Option

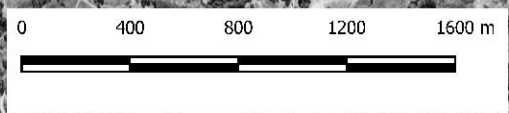
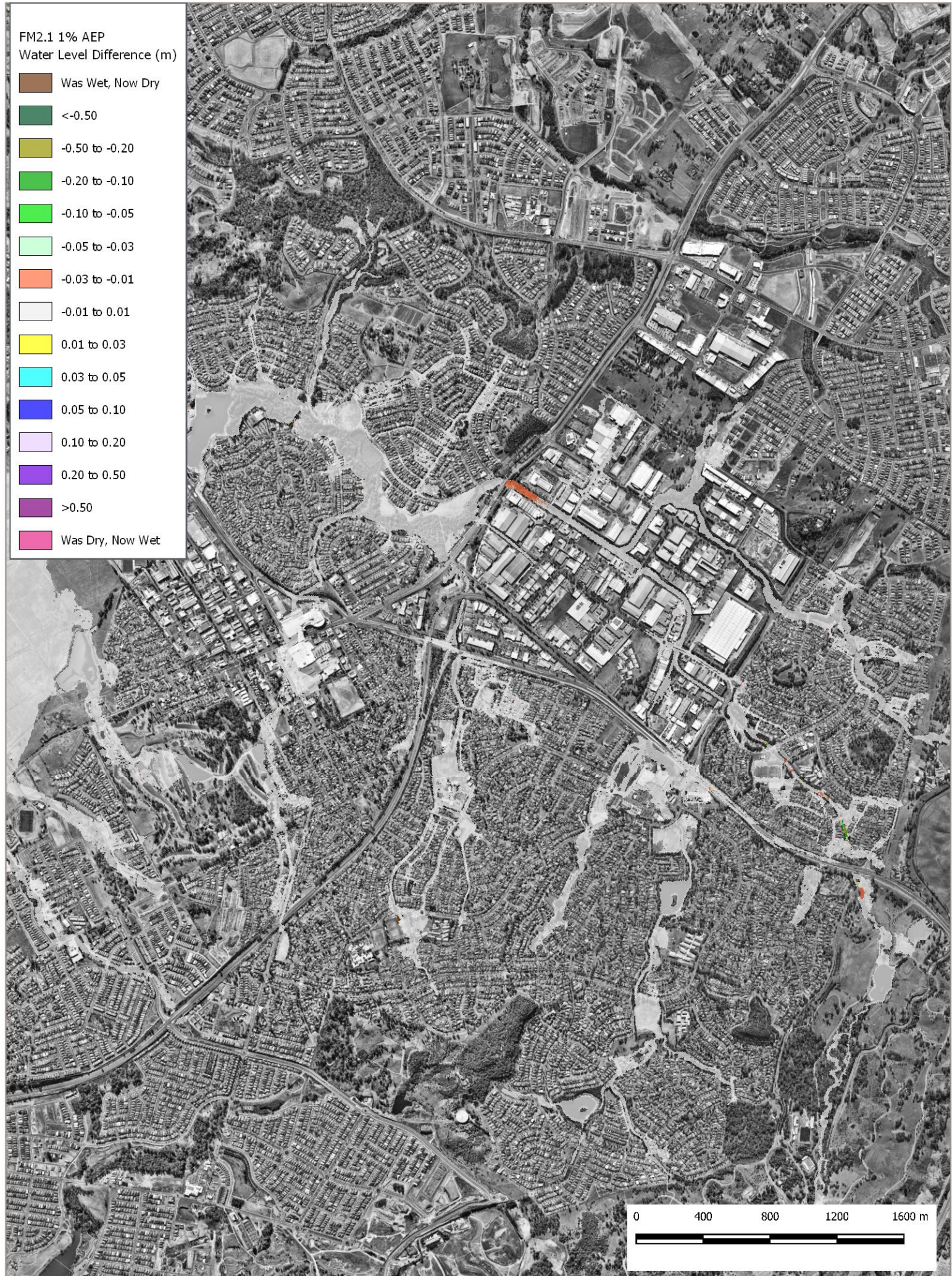


- Flood Mitigation Option
- 1% AEP Flood Extent



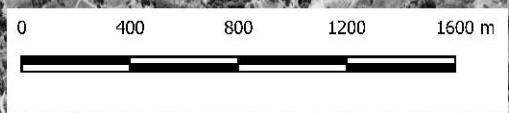
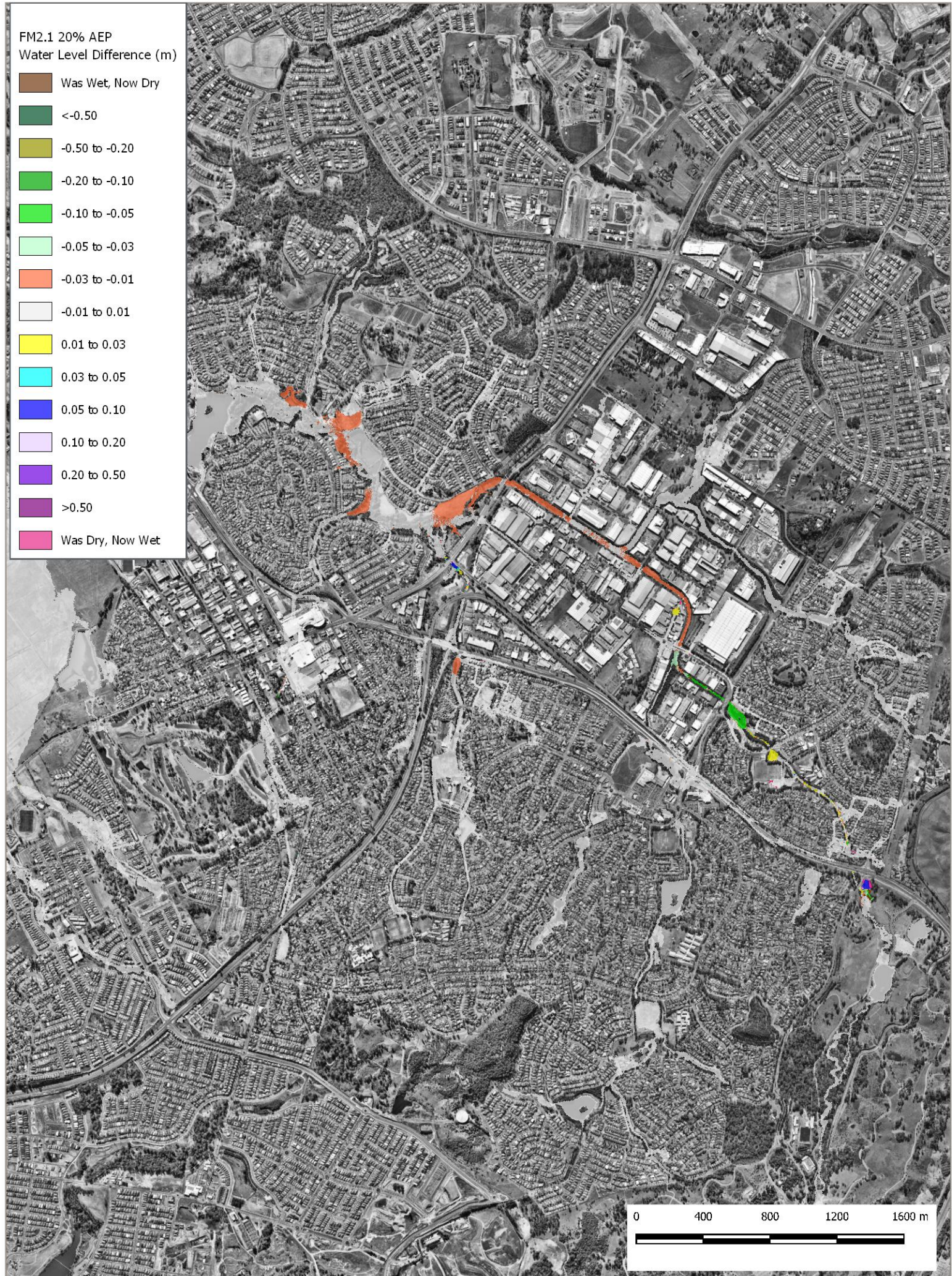
FM2.1 1% AEP  
Water Level Difference (m)

-  Was Wet, Now Dry
-  <-0.50
-  -0.50 to -0.20
-  -0.20 to -0.10
-  -0.10 to -0.05
-  -0.05 to -0.03
-  -0.03 to -0.01
-  -0.01 to 0.01
-  0.01 to 0.03
-  0.03 to 0.05
-  0.05 to 0.10
-  0.10 to 0.20
-  0.20 to 0.50
-  >0.50
-  Was Dry, Now Wet

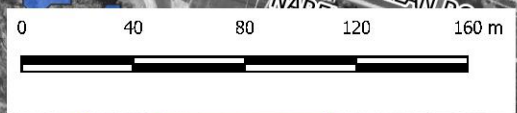


FM2.1 20% AEP  
Water Level Difference (m)

- Was Wet, Now Dry
- <-0.50
- 0.50 to -0.20
- 0.20 to -0.10
- 0.10 to -0.05
- 0.05 to -0.03
- 0.03 to -0.01
- 0.01 to 0.01
- 0.01 to 0.03
- 0.03 to 0.05
- 0.05 to 0.10
- 0.10 to 0.20
- 0.20 to 0.50
- >0.50
- Was Dry, Now Wet



— Flood Mitigation Option  
 1% AEP Flood Extent



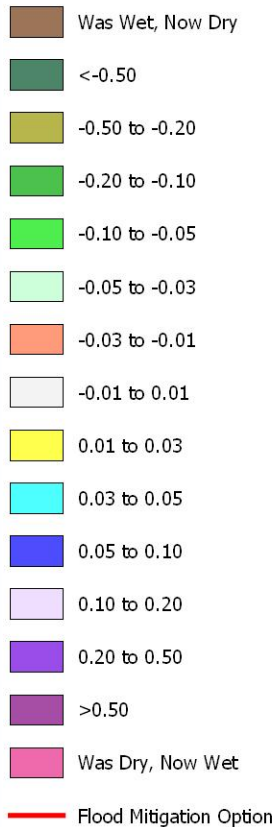
FM2.2 1% AEP  
Water Level Difference (m)



- Was Wet, Now Dry
- <-0.50
- 0.50 to -0.20
- 0.20 to -0.10
- 0.10 to -0.05
- 0.05 to -0.03
- 0.03 to -0.01
- 0.01 to 0.01
- 0.01 to 0.03
- 0.03 to 0.05
- 0.05 to 0.10
- 0.10 to 0.20
- 0.20 to 0.50
- >0.50
- Was Dry, Now Wet
- Flood Mitigation Option

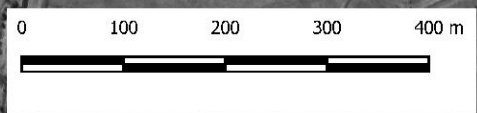




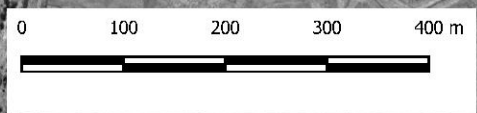
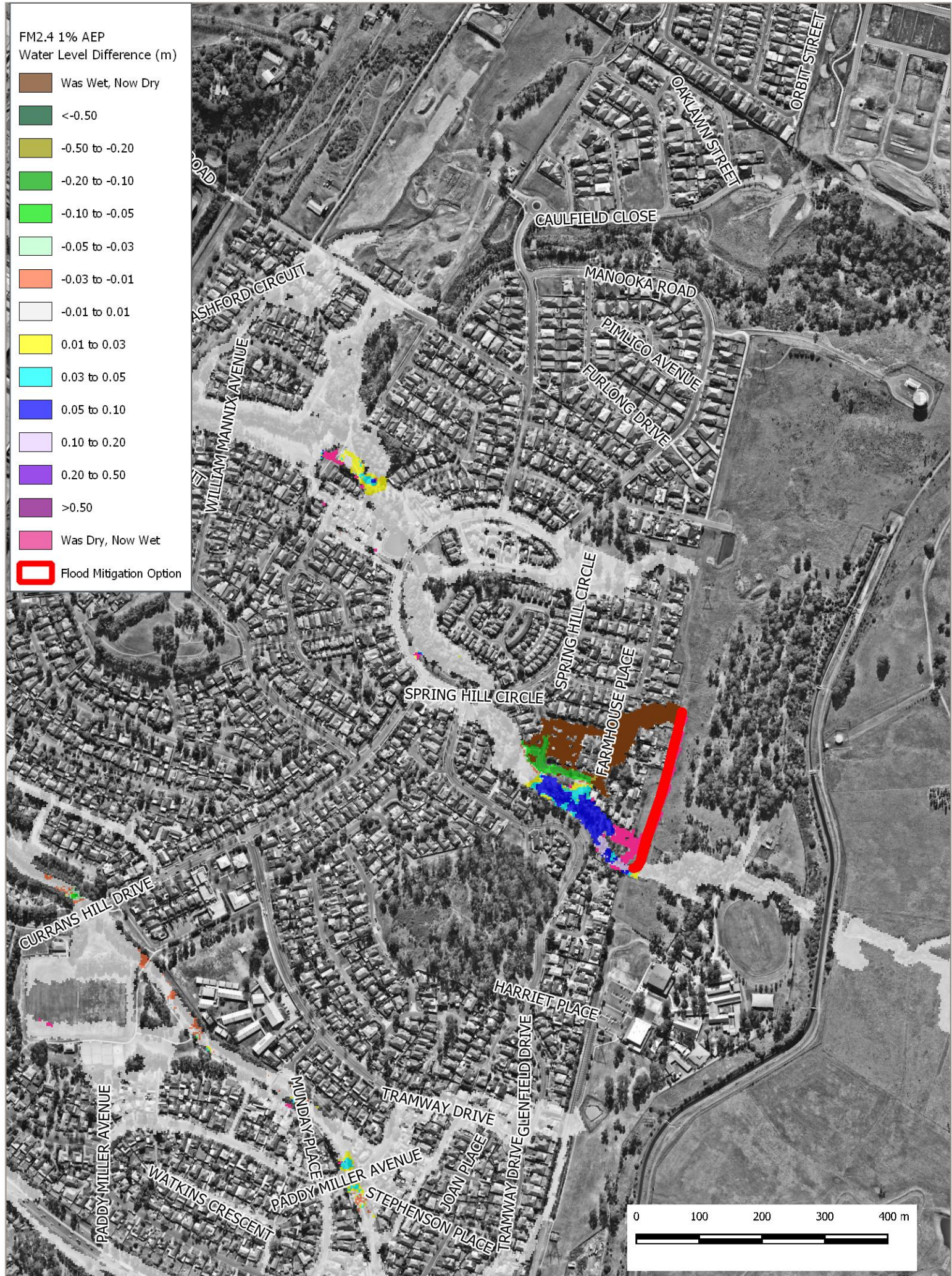
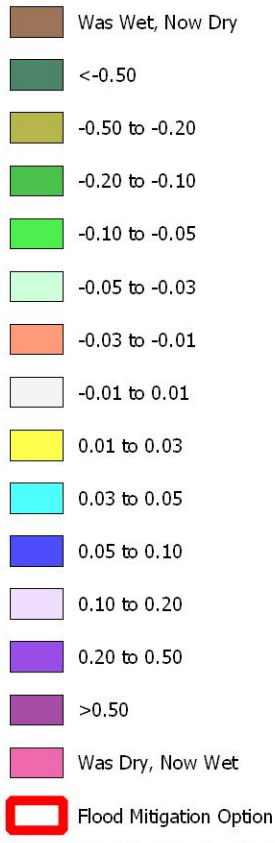
FM2.2 20% AEP  
Water Level Difference (m)



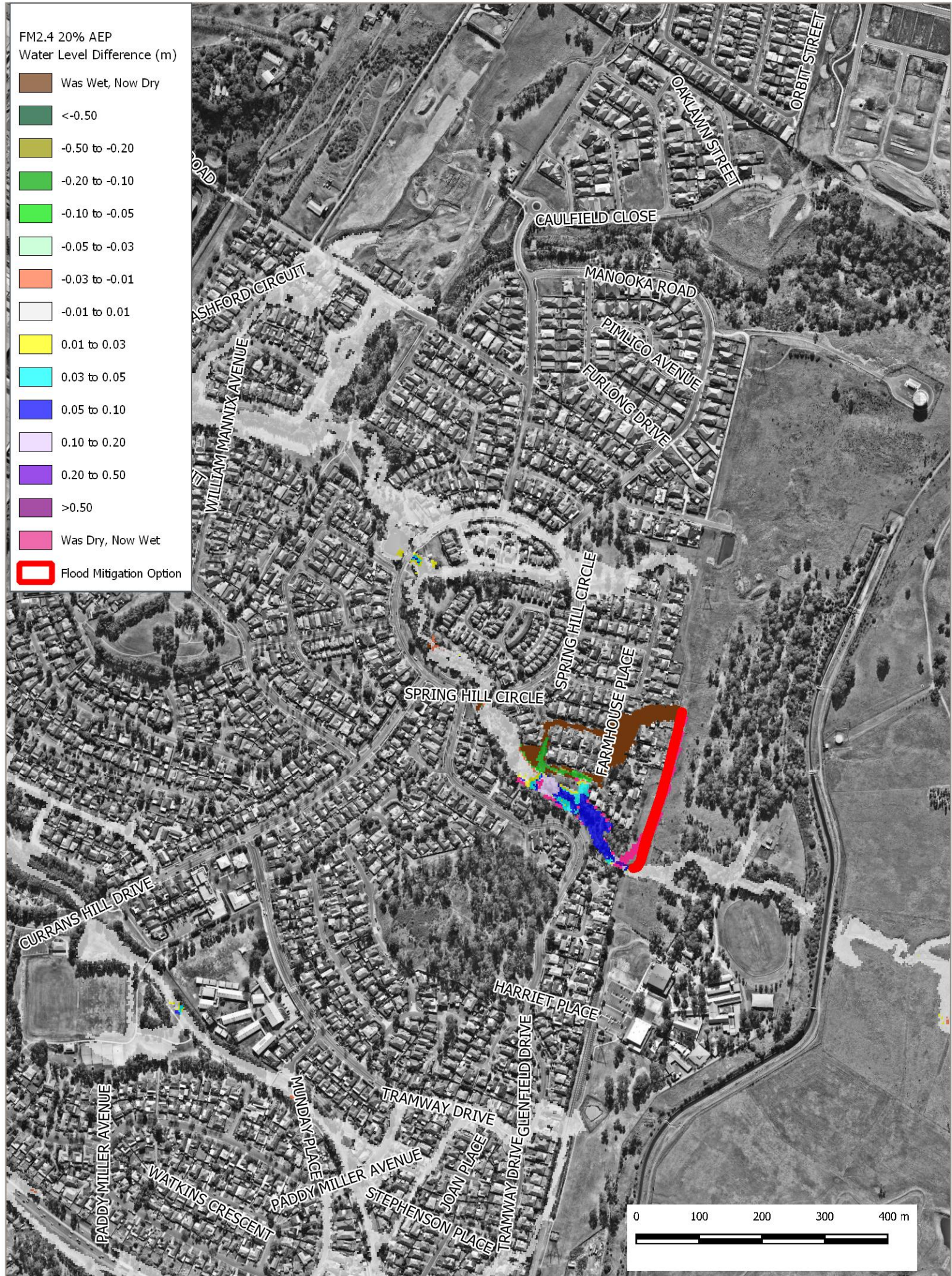
 Flood Mitigation Option  
 1% AEP Flood Extent





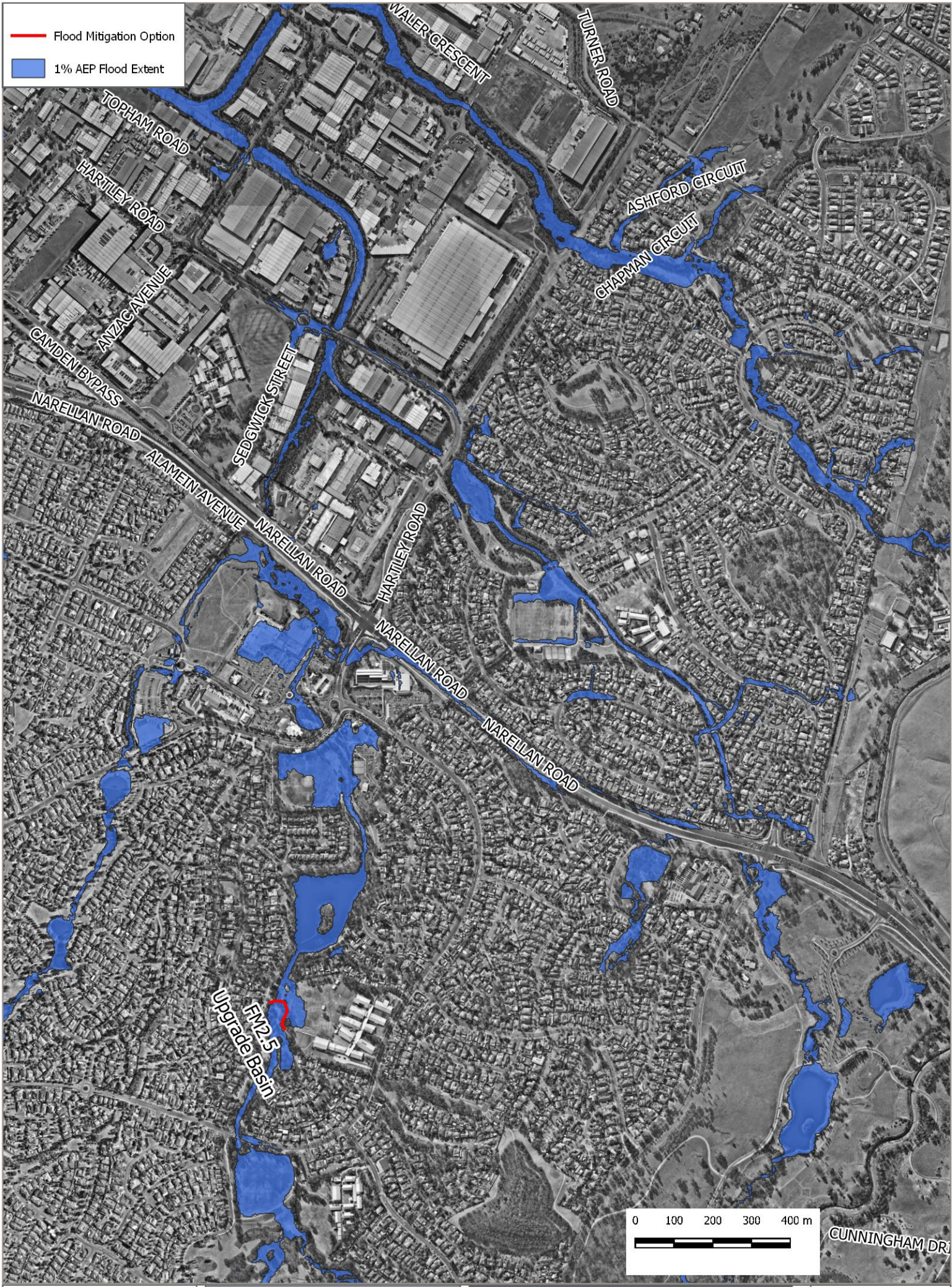
FM2.4 1% AEP  
Water Level Difference (m)



FM2.4 20% AEP  
Water Level Difference (m)

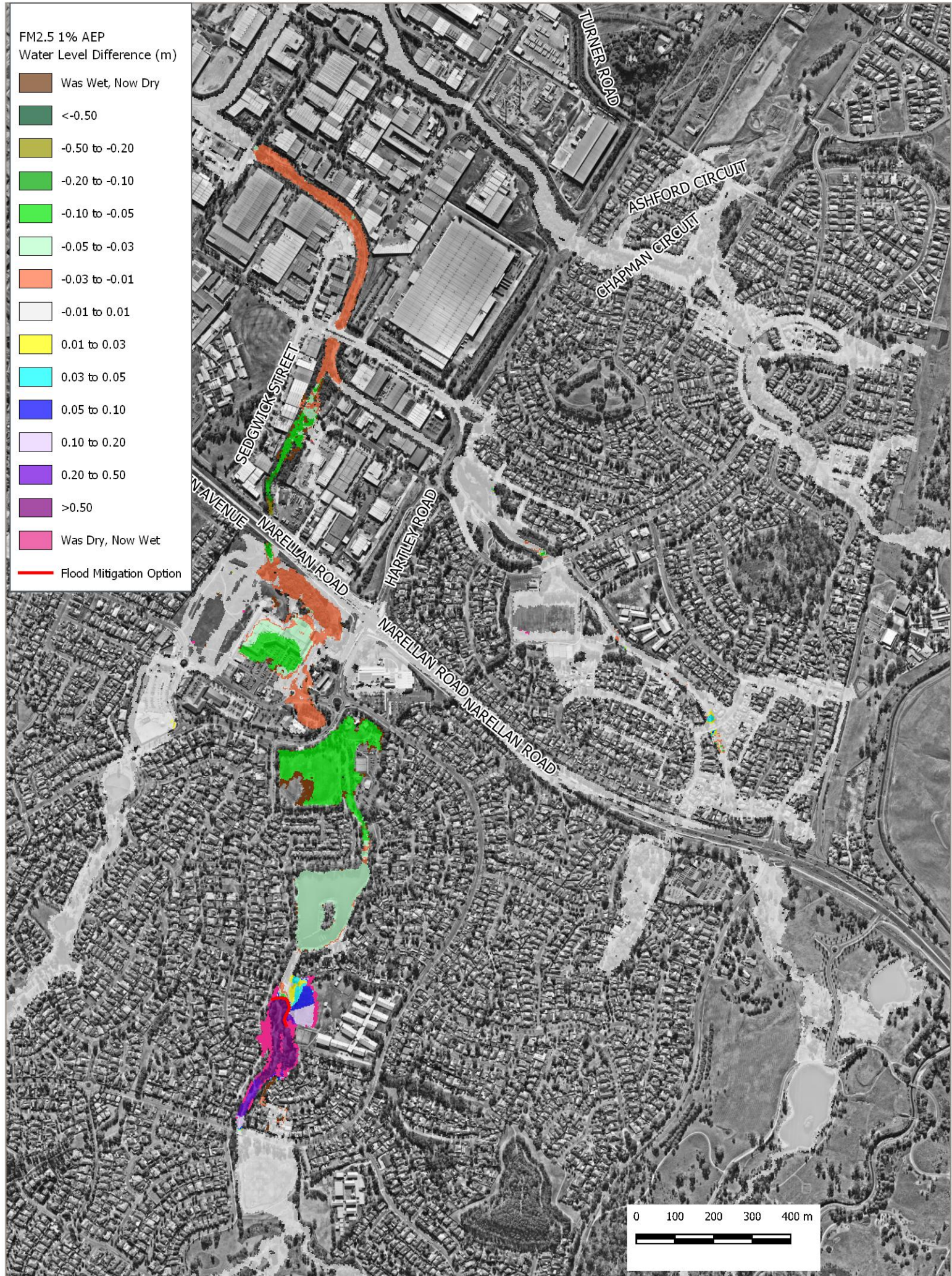


 Flood Mitigation Option  
 1% AEP Flood Extent



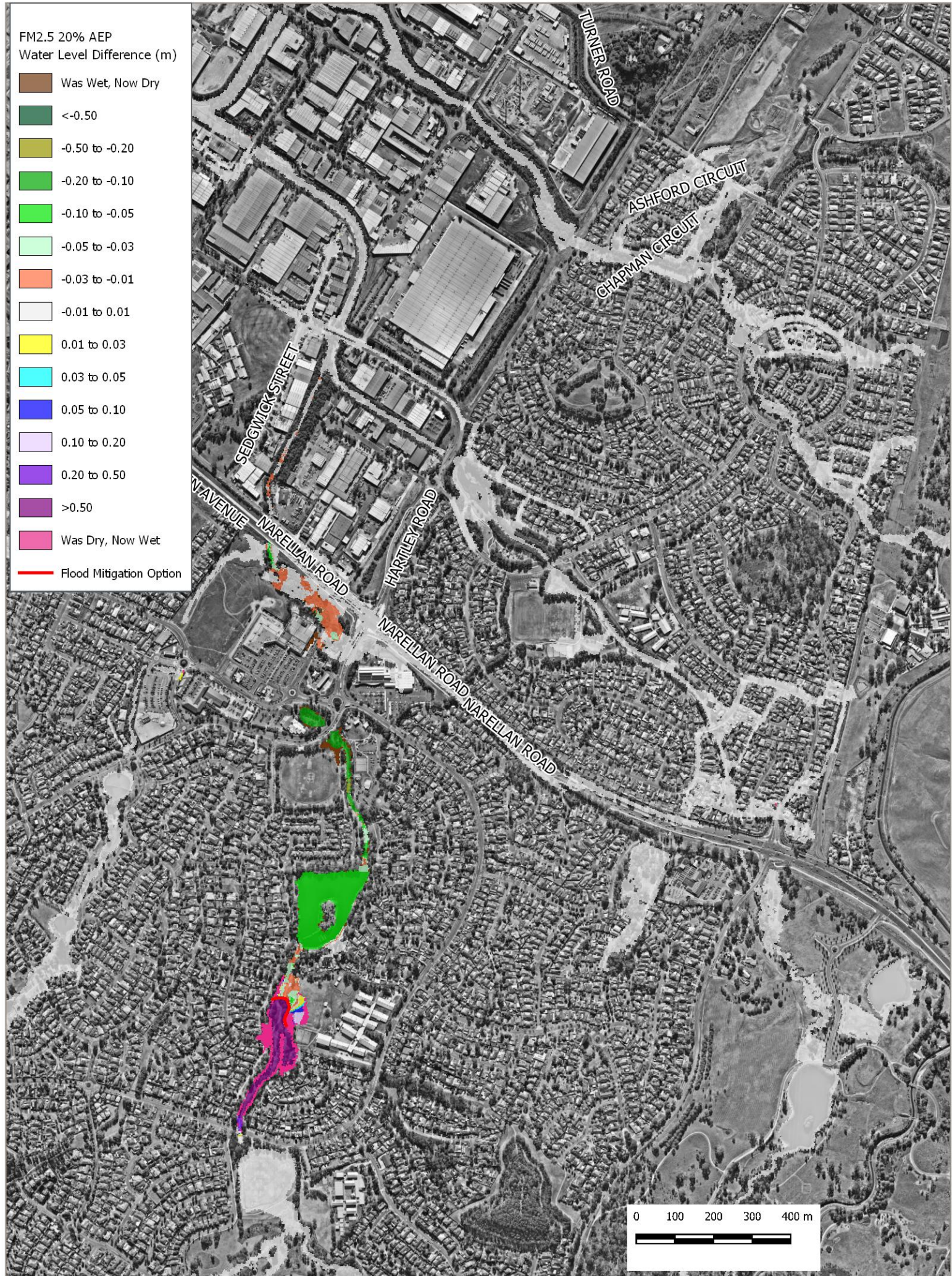
FM2.5 1% AEP  
Water Level Difference (m)

- Was Wet, Now Dry
- <-0.50
- 0.50 to -0.20
- 0.20 to -0.10
- 0.10 to -0.05
- 0.05 to -0.03
- 0.03 to -0.01
- 0.01 to 0.01
- 0.01 to 0.03
- 0.03 to 0.05
- 0.05 to 0.10
- 0.10 to 0.20
- 0.20 to 0.50
- >0.50
- Was Dry, Now Wet
- Flood Mitigation Option

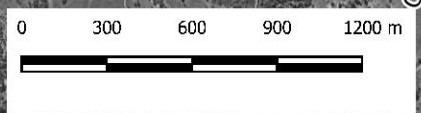
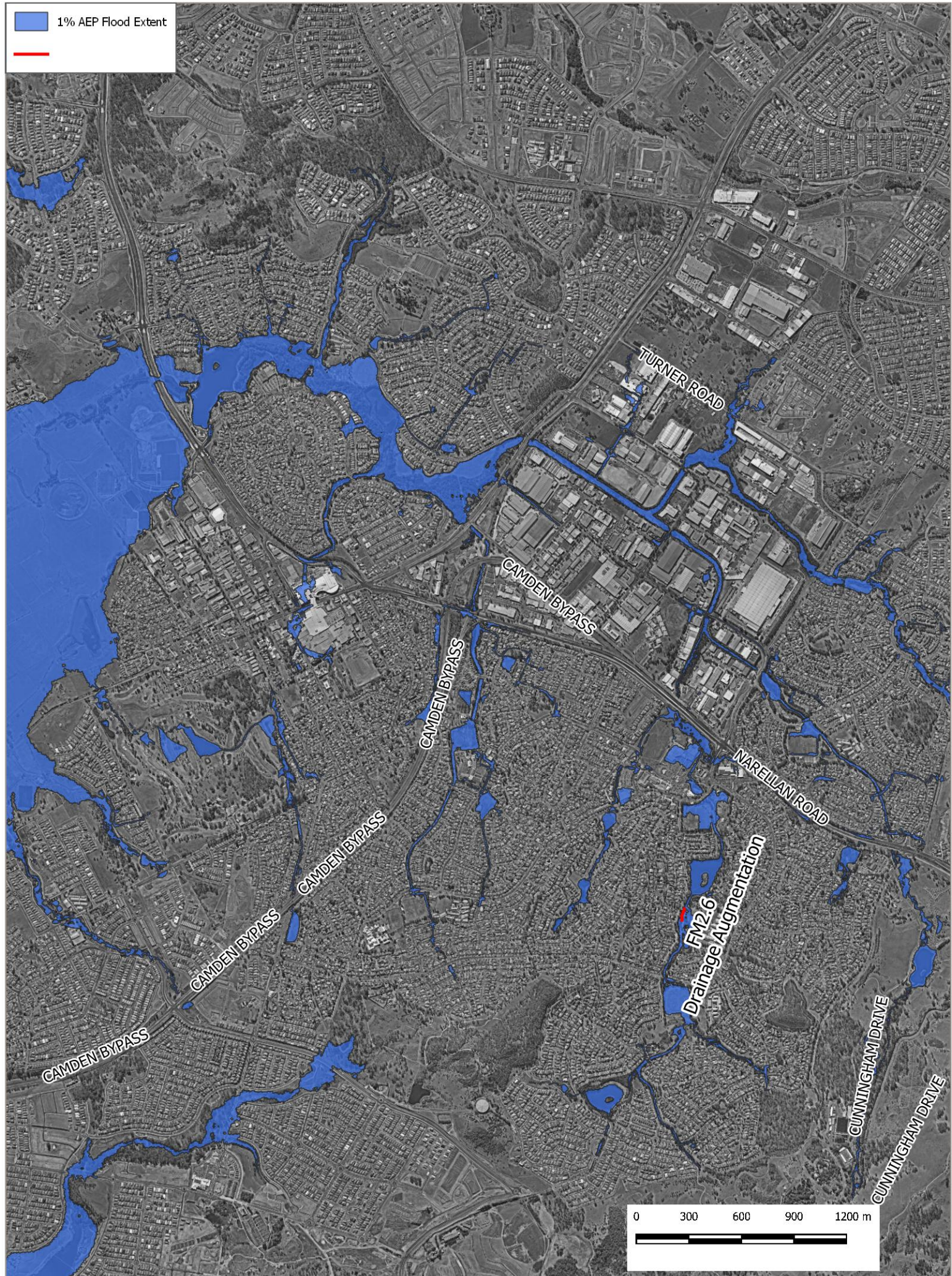


FM2.5 20% AEP  
Water Level Difference (m)

- Was Wet, Now Dry
- <-0.50
- 0.50 to -0.20
- 0.20 to -0.10
- 0.10 to -0.05
- 0.05 to -0.03
- 0.03 to -0.01
- 0.01 to 0.01
- 0.01 to 0.03
- 0.03 to 0.05
- 0.05 to 0.10
- 0.10 to 0.20
- 0.20 to 0.50
- >0.50
- Was Dry, Now Wet
- Flood Mitigation Option

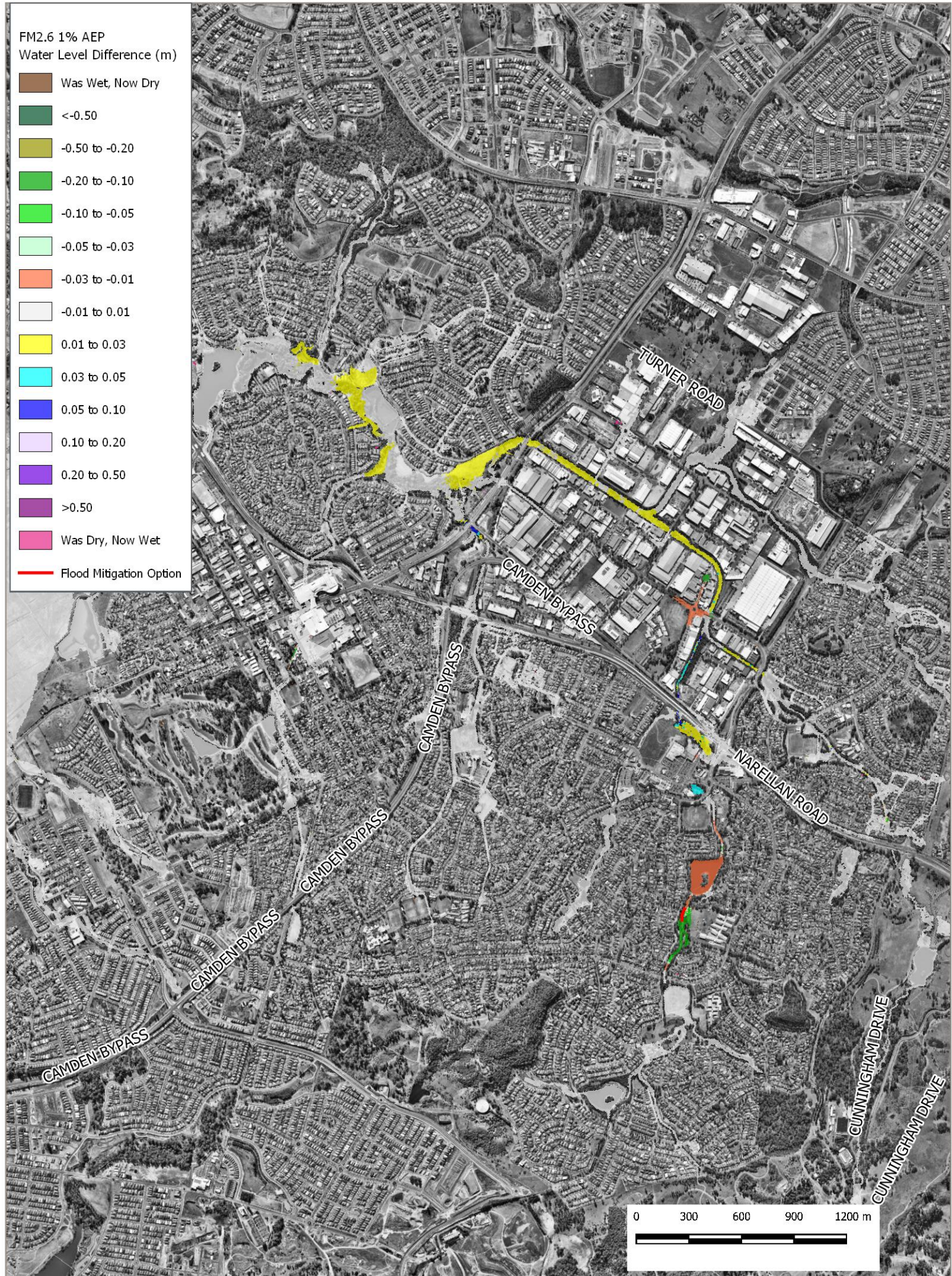
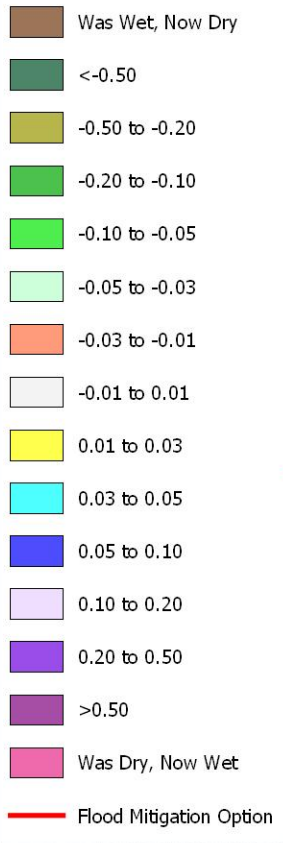


1% AEP Flood Extent





FM2.6 1% AEP  
Water Level Difference (m)



FM2.6 20% AEP  
Water Level Difference (m)

- Was Wet, Now Dry
- <-0.50
- 0.50 to -0.20
- 0.20 to -0.10
- 0.10 to -0.05
- 0.05 to -0.03
- 0.03 to -0.01
- 0.01 to 0.01
- 0.01 to 0.03
- 0.03 to 0.05
- 0.05 to 0.10
- 0.10 to 0.20
- 0.20 to 0.50
- >0.50
- Was Dry, Now Wet
- Flood Mitigation Option

