



AQIA for the Eastleigh Borough Local Plan (EBLP): Appendix 3 – Mapped air dispersion results

Report for Eastleigh Borough Council

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Eastleigh Borough Council

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1 Introduction

This appendix contains maps which show the modelled air dispersion results for the scenarios listed in Table 1-1, both on the scale of the full modelling domain and focussed in on the four individual AQMA locations within Eastleigh Borough.

Table 1-1 Scenarios modelled to represent the five strategic growth options (SGOs)

Modelled scenario	Description	Figure location
2015 Reference case	A transport model scenario designed to represent 2015 conditions and used for dispersion model verification.	Main report
Pseudo-2030 SGO B/C	See 2036 SGO B/C; modelled with 2030 vehicle emission factors as a sensitivity test.	Main report
Pseudo-2030 SGO C	See 2036 SGO C; modelled with 2030 vehicle emission factors as a sensitivity test.	Appendix 3
Pseudo-2030 SGO D1	See 2036 SGO D1; modelled with 2030 vehicle emission factors as a sensitivity test.	Appendix 3
Pseudo-2030 SGO D2	See 2036 SGO D2; modelled with 2030 vehicle emission factors as a sensitivity test.	Appendix 3
Pseudo-2030 SGO E	See 2036 SGO E; modelled with 2030 vehicle emission factors as a sensitivity test.	Appendix 3
2036 Baseline	This scenario includes committed development allocations and transport interventions up to 2036 but does not include any of the new strategic growth options (SGOs) under consideration for the Eastleigh Borough Local Plan. This provides a baseline in order to assess the effects of the new Local Plan allocations against a future development scenario without the SGOs.	Main report
2036 SGO B/C	Expansion of Fair Oak and Bishopstoke to the north/north-east with related development in Allbrook Village; the council's preferred option for new development in the EBLP. The scenario includes the provision of a new link road.	Appendix 3
2036 SGO C	Expansion of Fair Oak to the east and north; an alternative SGO option for new development in the EBLP.	Appendix 3
2036 SGO D1	One variation for Option D, which involves expansion of Bishopstoke to the south and Horton Heath to the west; an alternative SGO option for new development in the EBLP. Option D includes a supplementary development of 606 dwellings. In Option D1, these dwellings are to be located immediately north east of Fair Oak.	Appendix 3
2036 SGO D2	A second variation for Option D, which involves expansion of Bishopstoke to the south and Horton Heath to the west; an alternative SGO option for new development in the EBLP. Option	Appendix 3

Modelled scenario	Description	Figure location
	D2 includes an additional 606 dwellings immediately south of the main development zone.	
2036 SGO E	Extension of West End to the north of the M27; an alternative SGO option for new development in the EBLP.	Appendix 3

2 NO₂ annual mean concentration

2.1 Full modelling domain

Figure 2-1 Annual mean NO₂ concentration model results for pseudo-2030 SGO C scenario

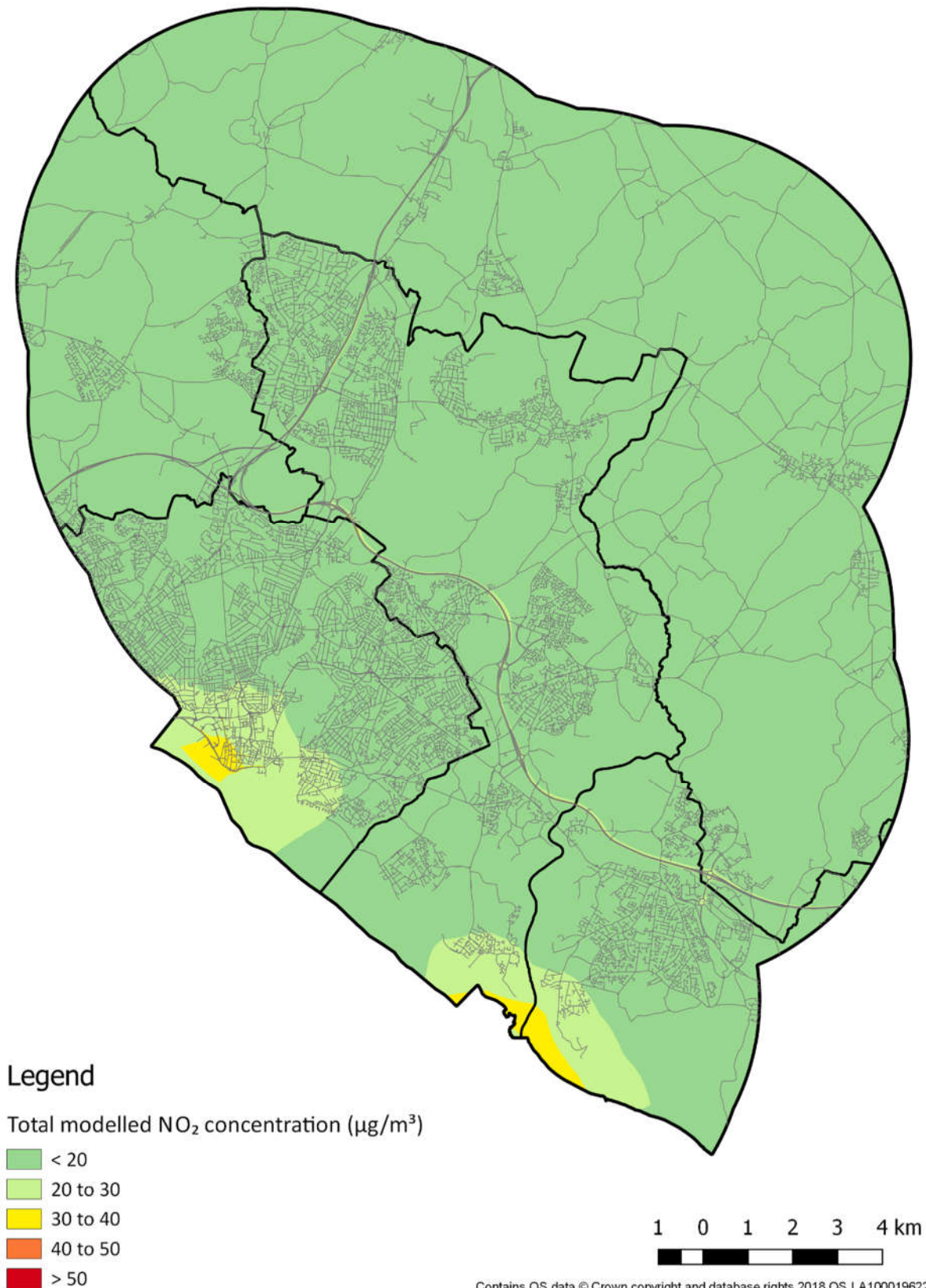


Figure 2-2 Annual mean NO₂ concentration model results for pseudo-2030 SGO D1 scenario

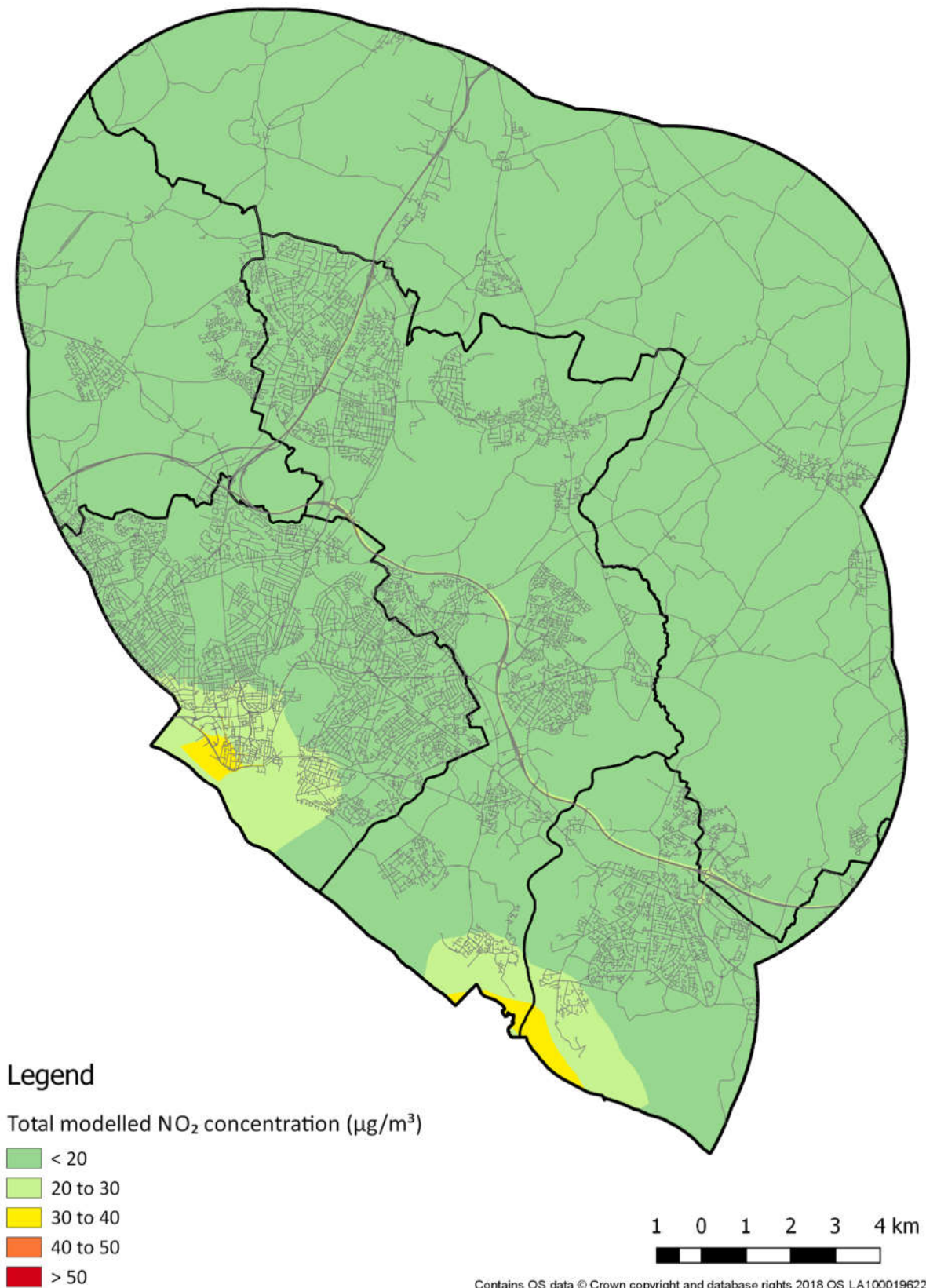


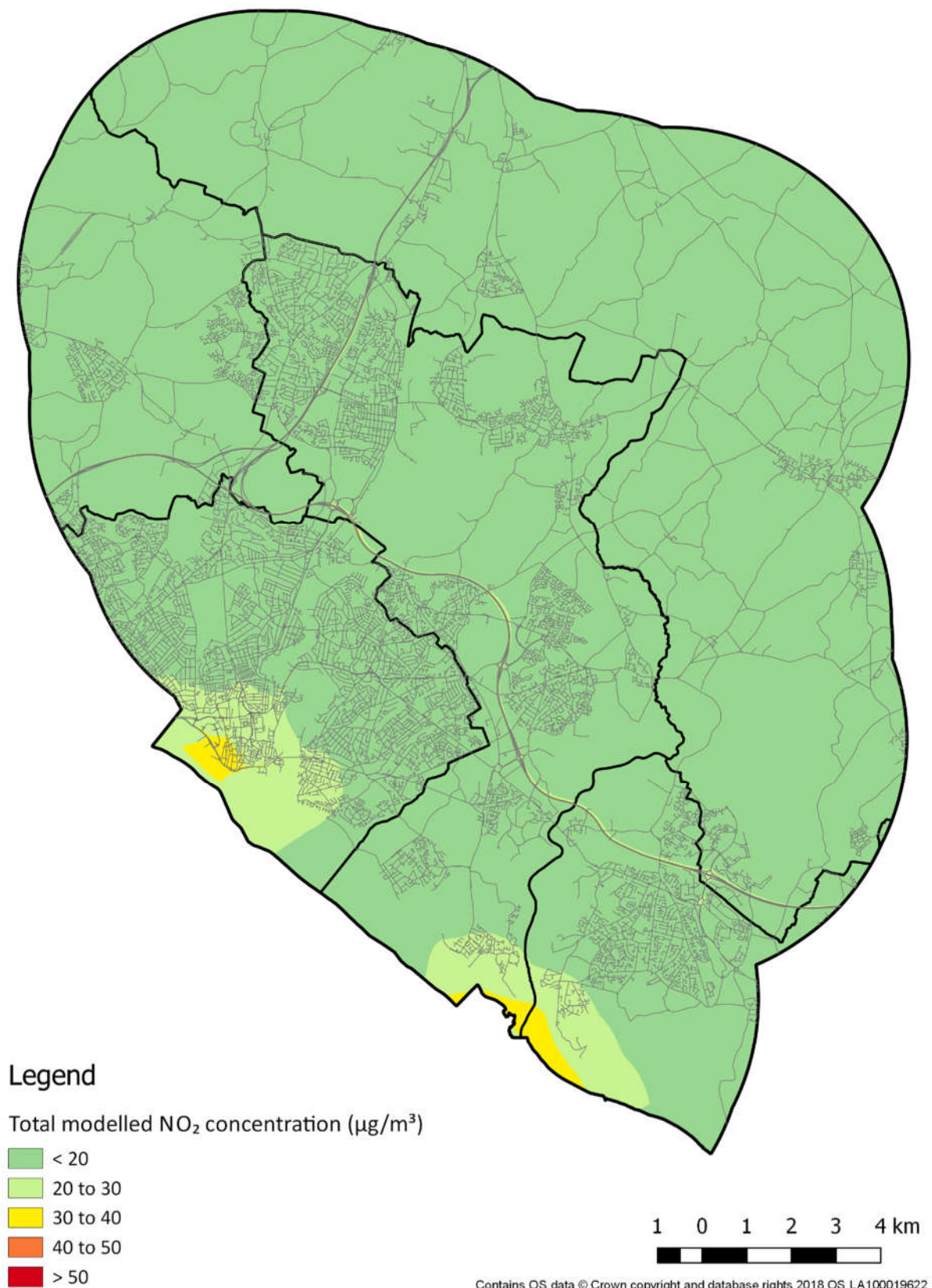
Figure 2-3 Annual mean NO₂ concentration model results for pseudo-2030 SGO D2 scenario

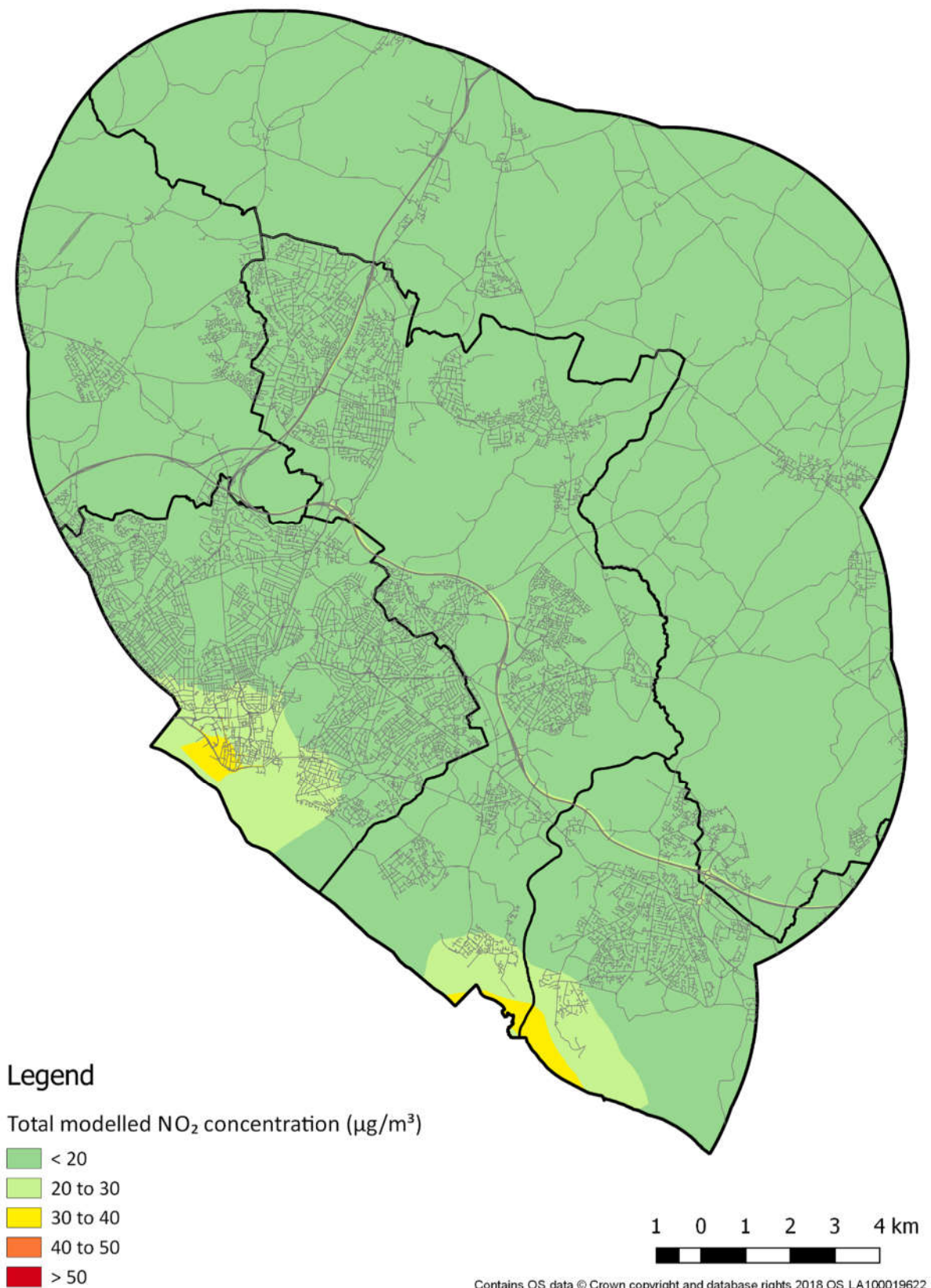
Figure 2-4 Annual mean NO₂ concentration model results for pseudo-2030 SGO E scenario

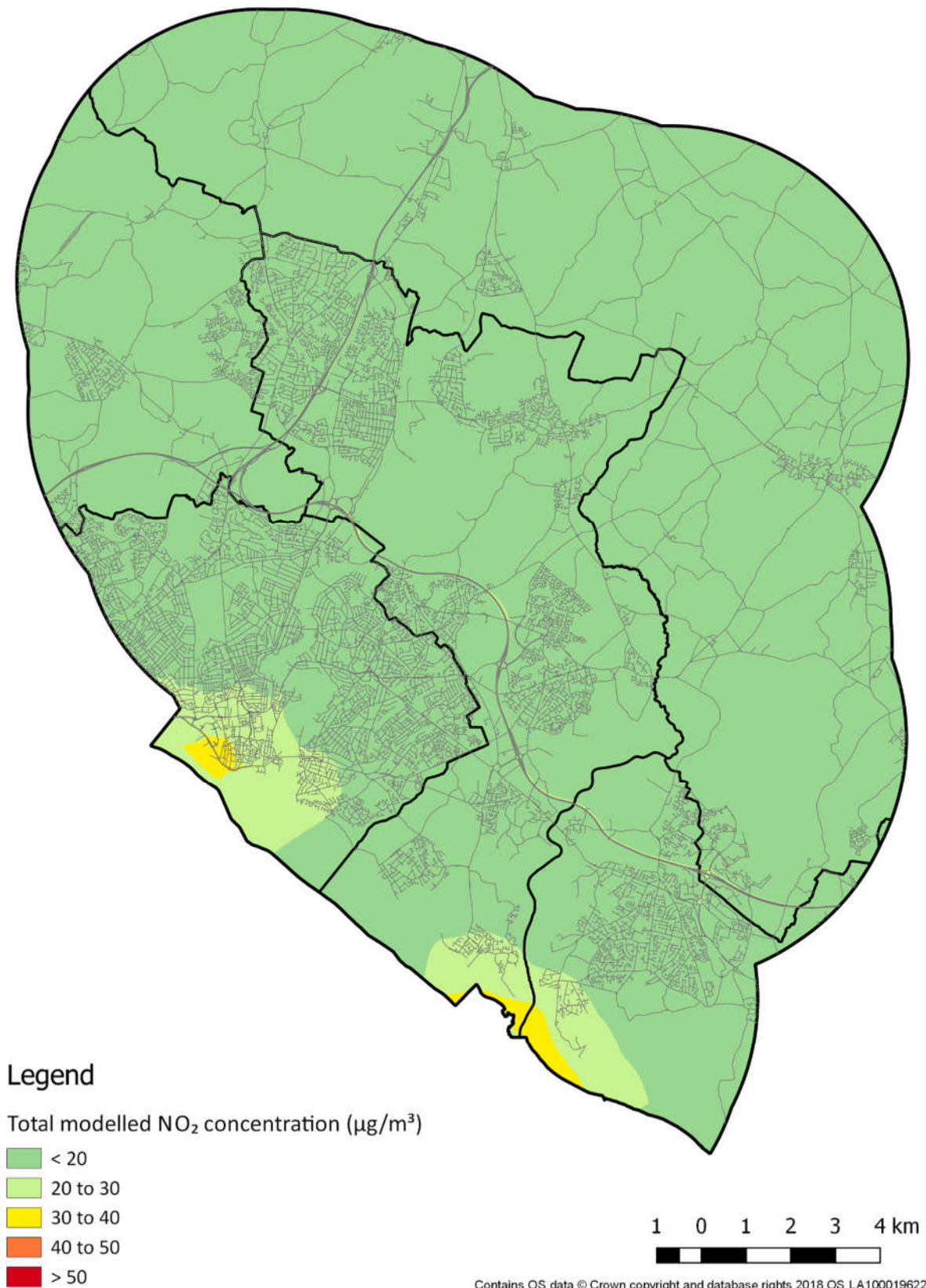
Figure 2-5 Annual mean NO₂ concentration model results for 2036 SGO C scenario

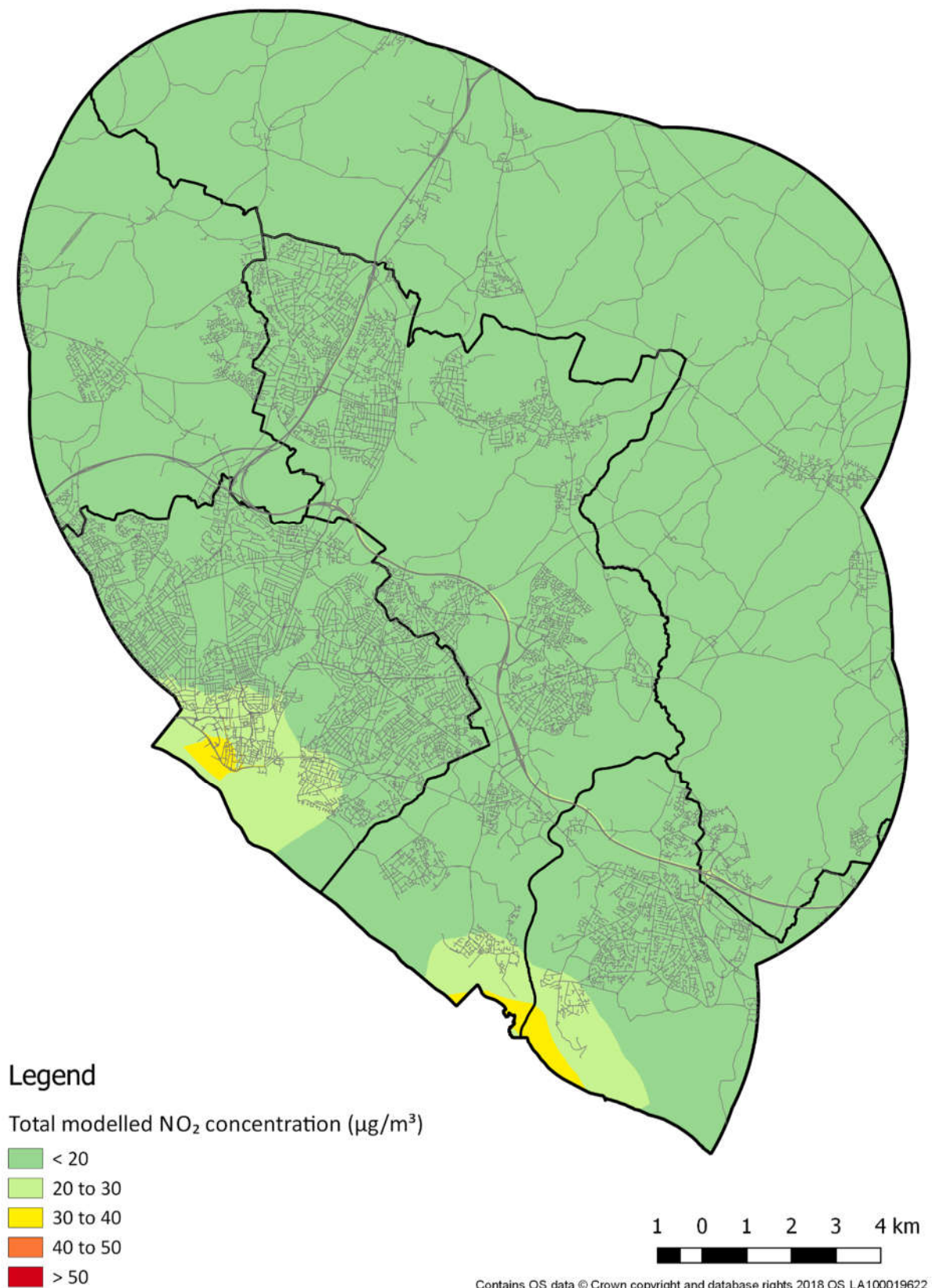
Figure 2-6 Annual mean NO₂ concentration model results for 2036 SGO D1 scenario

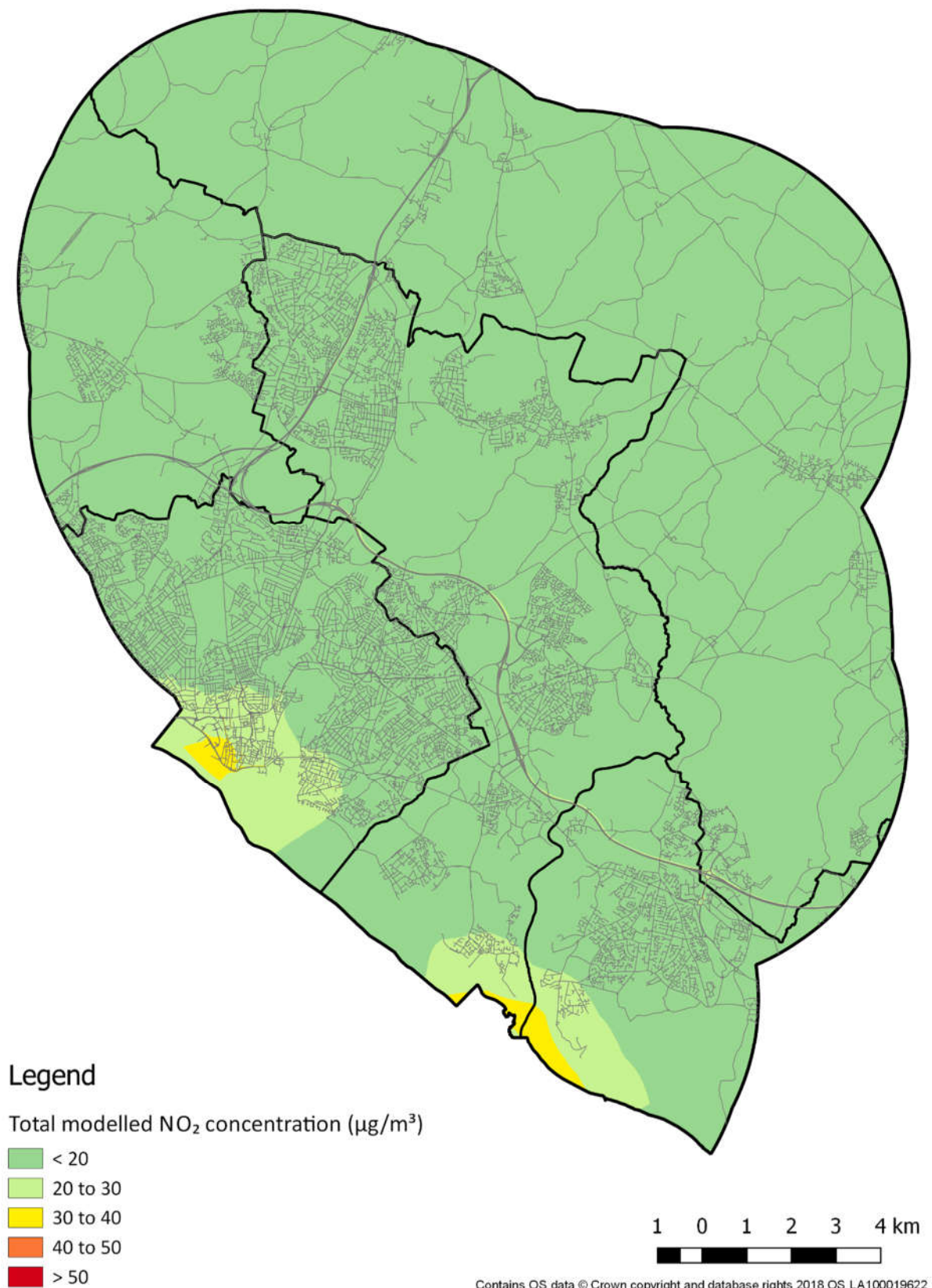
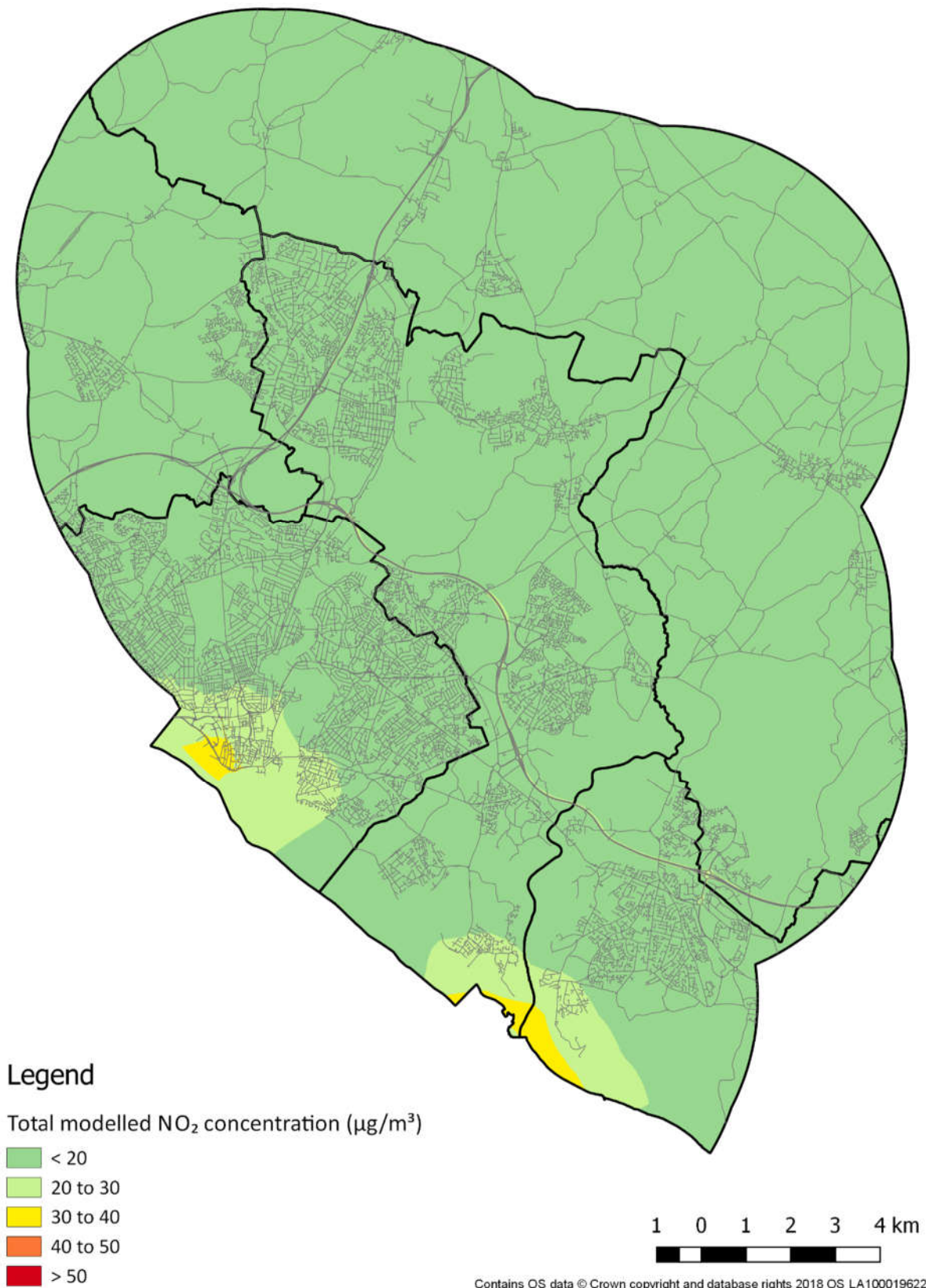
Figure 2-7 Annual mean NO₂ concentration model results for 2036 SGO D2 scenario

Figure 2-8 Annual mean NO₂ concentration model results for 2036 SGO E scenario

2.2 AQMA 1 and 2

Figure 2-9 Annual mean NO₂ concentration model results for pseudo-2030 SGO C scenario AQMA No. 1 (A335 / Eastleigh) (East)

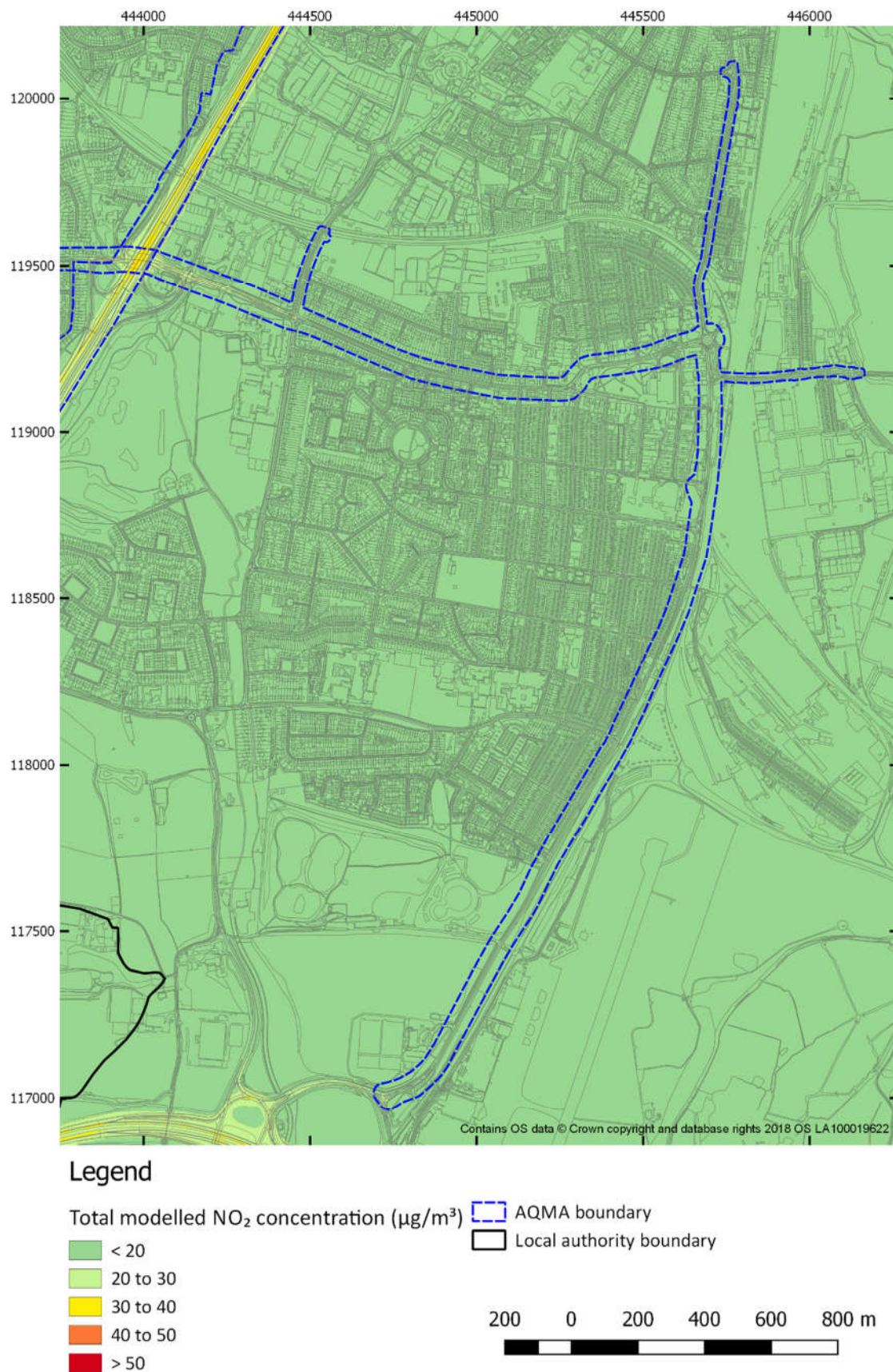
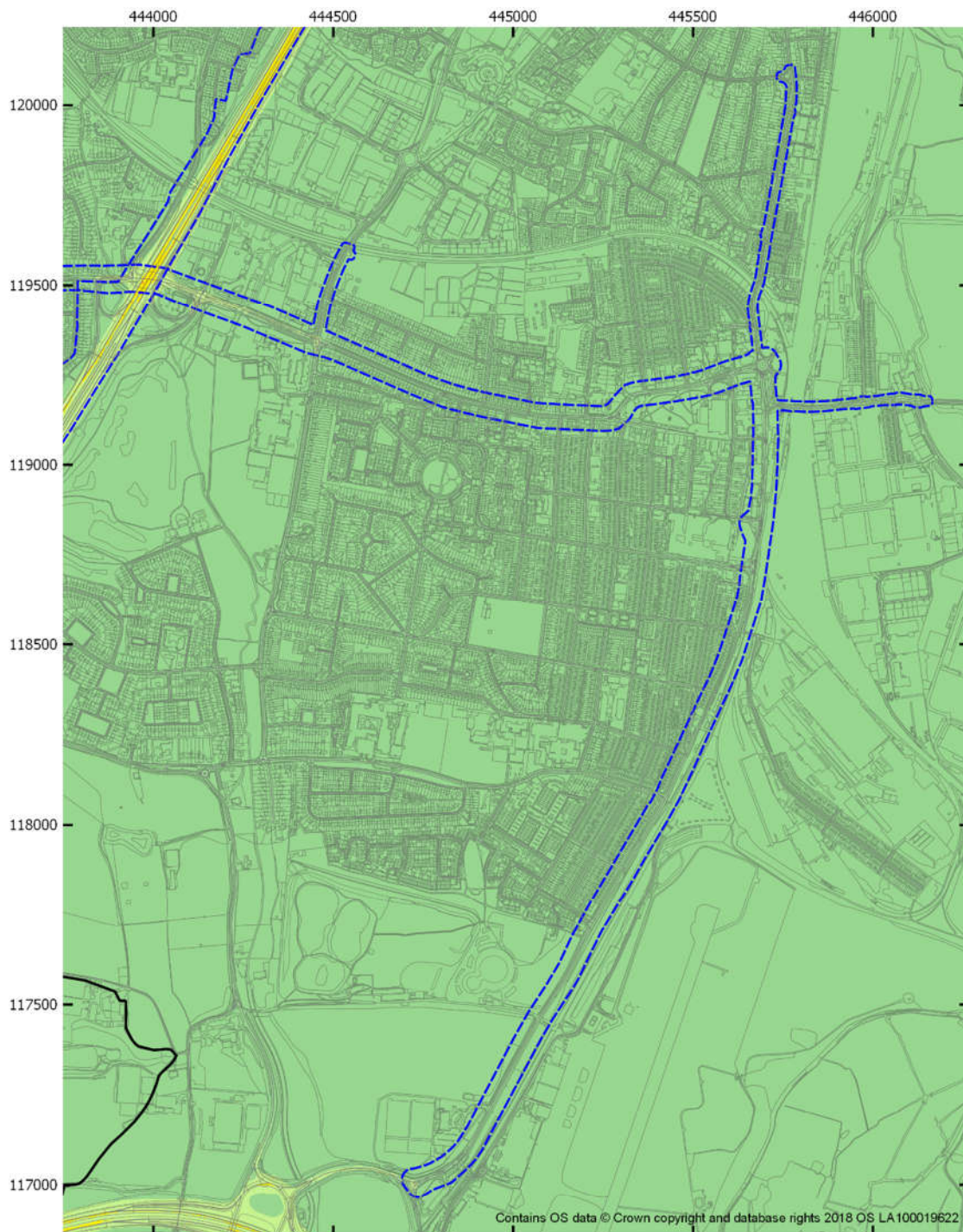


Figure 2-10 Annual mean NO₂ concentration model results for pseudo-2030 SGO D1 scenario AQMA No. 1 (A335 / Eastleigh) (East)**Legend**Total modelled NO₂ concentration (µg/m³)

- < 20
- 20 to 30
- 30 to 40
- 40 to 50
- > 50

AQMA boundary

Local authority boundary

200 0 200 400 600 800 m

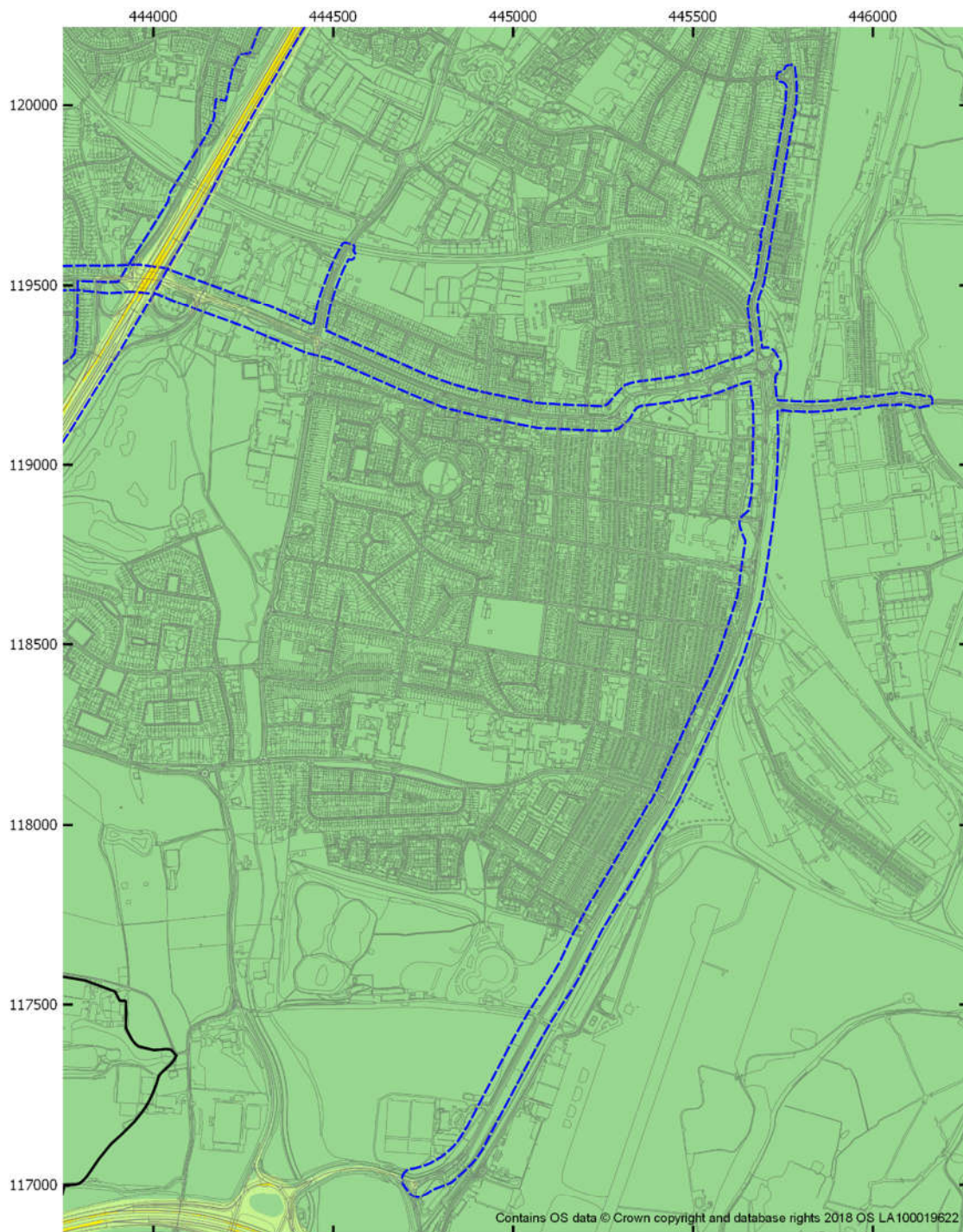
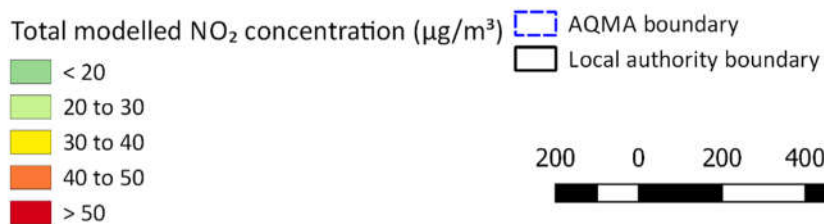
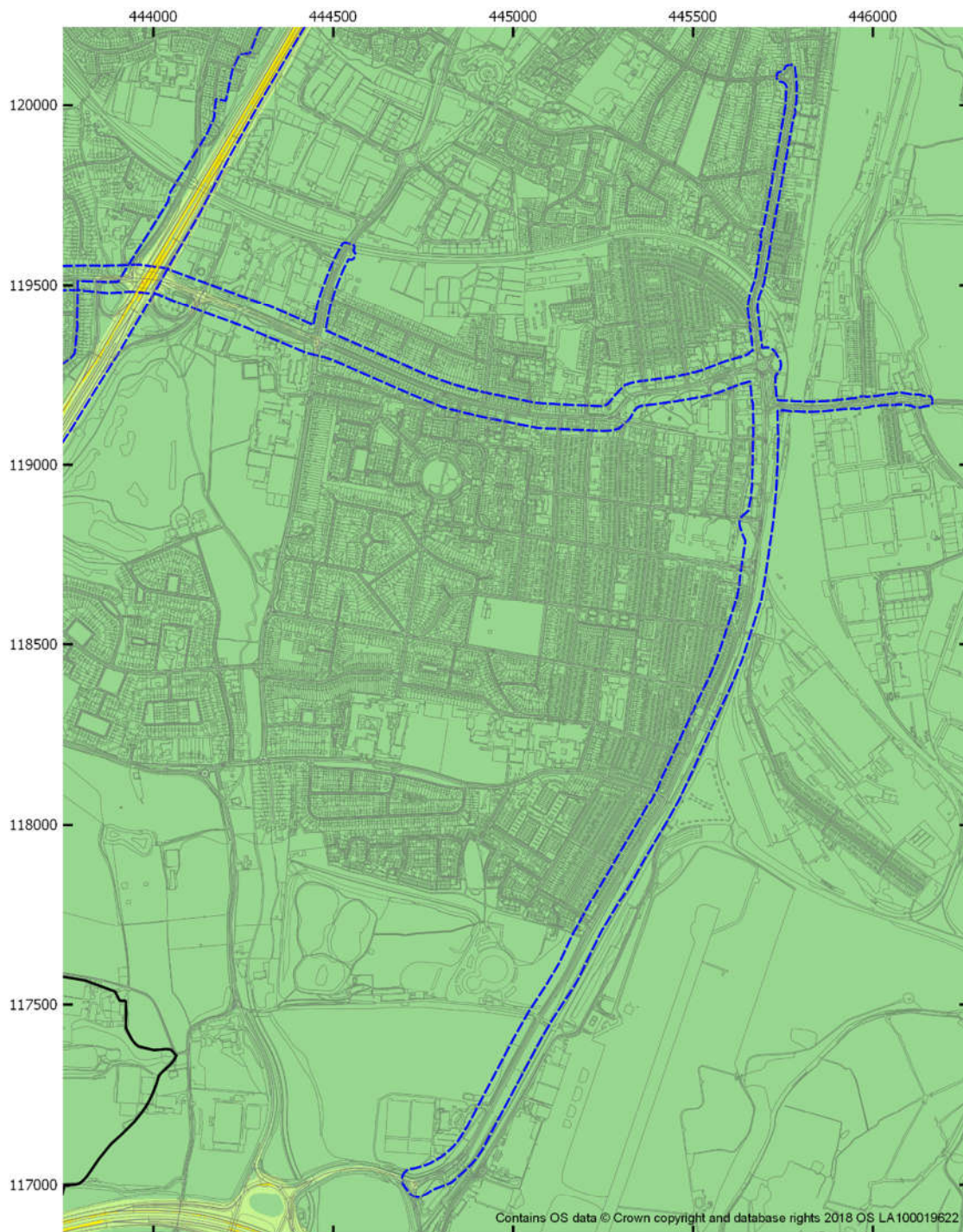
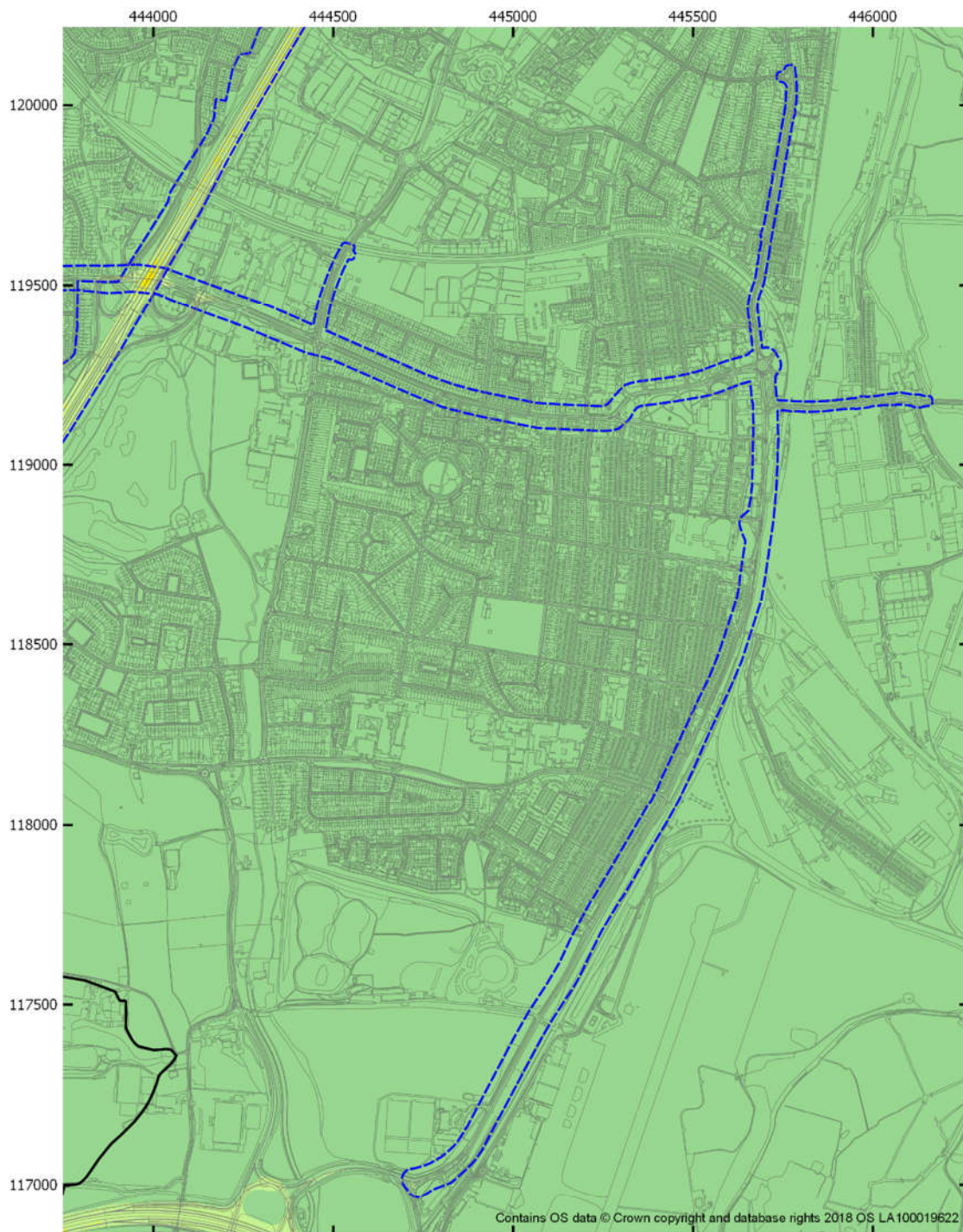
Figure 2-11 Annual mean NO₂ concentration model results for pseudo-2030 SGO D2 scenario AQMA No. 1 (A335 / Eastleigh) (East)**Legend**

Figure 2-12 Annual mean NO₂ concentration model results for pseudo-2030 SGO E scenario AQMA No. 1 (A335 / Eastleigh) (East)**Legend**Total modelled NO₂ concentration (µg/m³)

- < 20
- 20 to 30
- 30 to 40
- 40 to 50
- > 50

 AQMA boundary Local authority boundary

200 0 200 400 600 800 m

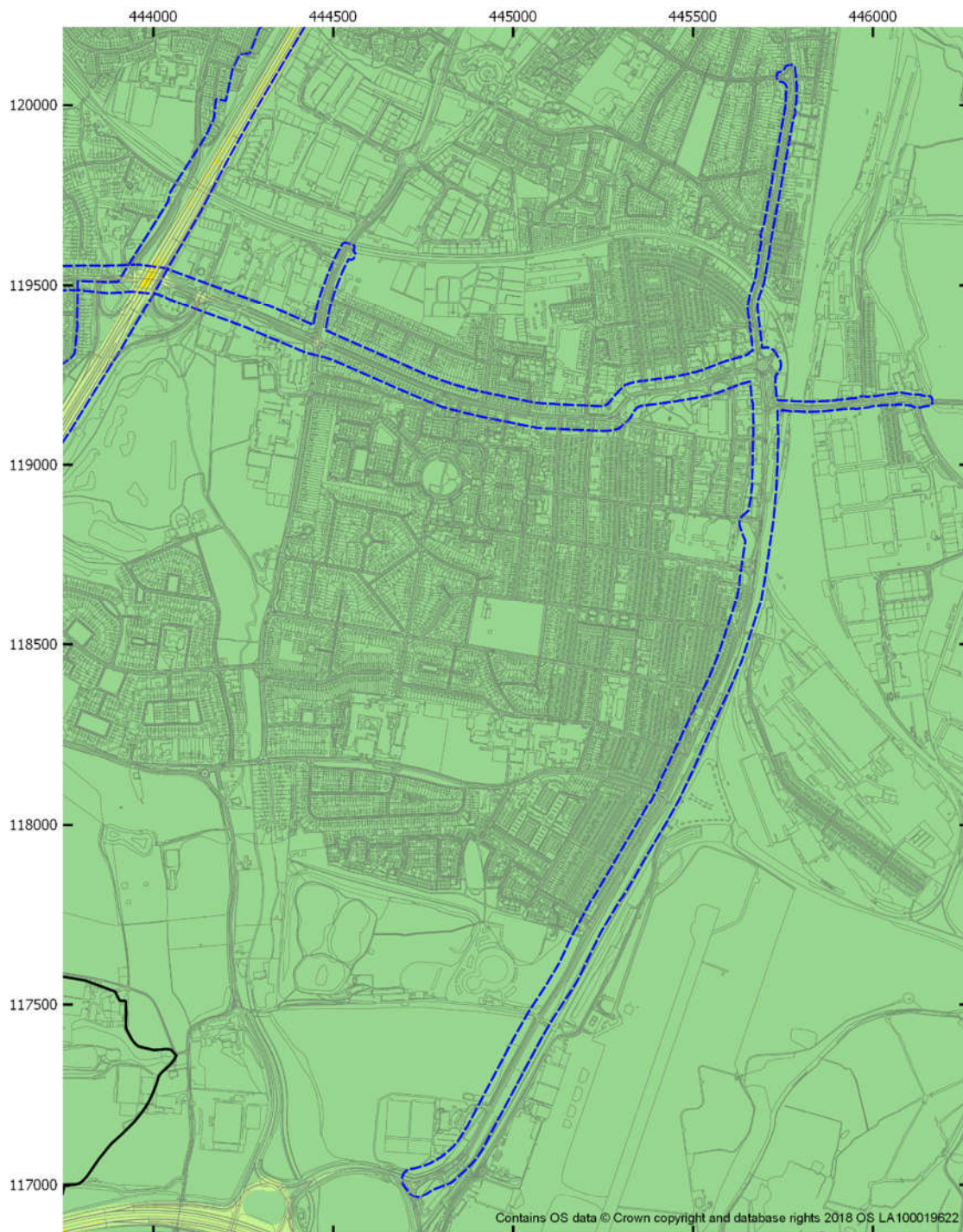
Figure 2-13 Annual mean NO₂ concentration model results for 2036 SGO C scenario AQMA No. 1 (A335 / Eastleigh) (East)**Legend**Total modelled NO₂ concentration (µg/m³)

- < 20
- 20 to 30
- 30 to 40
- 40 to 50
- > 50

AQMA boundary

Local authority boundary

200 0 200 400 600 800 m

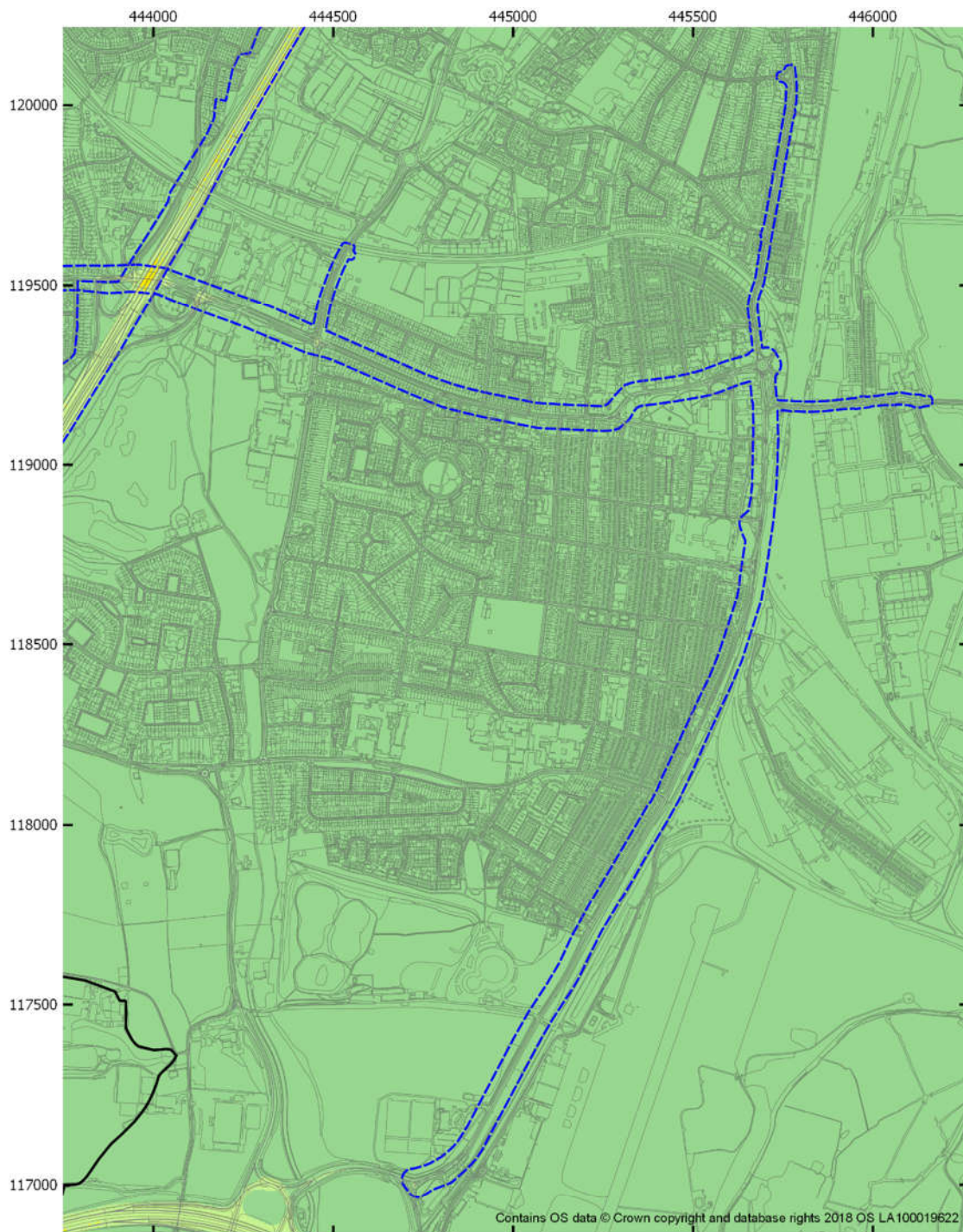
Figure 2-14 Annual mean NO₂ concentration model results for 2036 SGO D1 scenario AQMA No. 1 (A335 / Eastleigh) (East)**Legend**Total modelled NO₂ concentration (µg/m³)

- < 20
- 20 to 30
- 30 to 40
- 40 to 50
- > 50

AQMA boundary

Local authority boundary

200 0 200 400 600 800 m

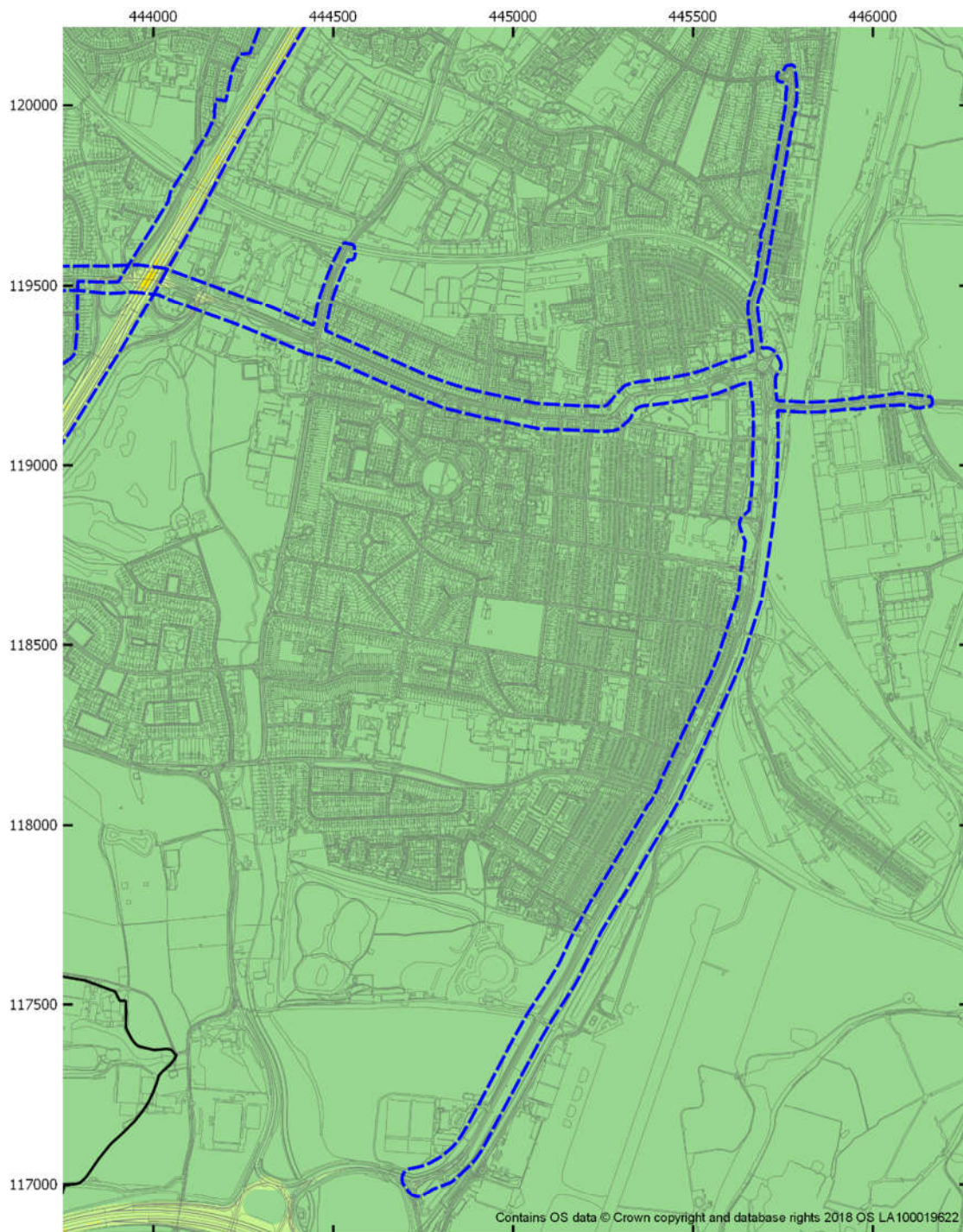
Figure 2-15 Annual mean NO₂ concentration model results for 2036 SGO D2 scenario AQMA No. 1 (A335 / Eastleigh) (East)**Legend**Total modelled NO₂ concentration (µg/m³)

- < 20
- 20 to 30
- 30 to 40
- 40 to 50
- > 50

AQMA boundary

Local authority boundary

200 0 200 400 600 800 m

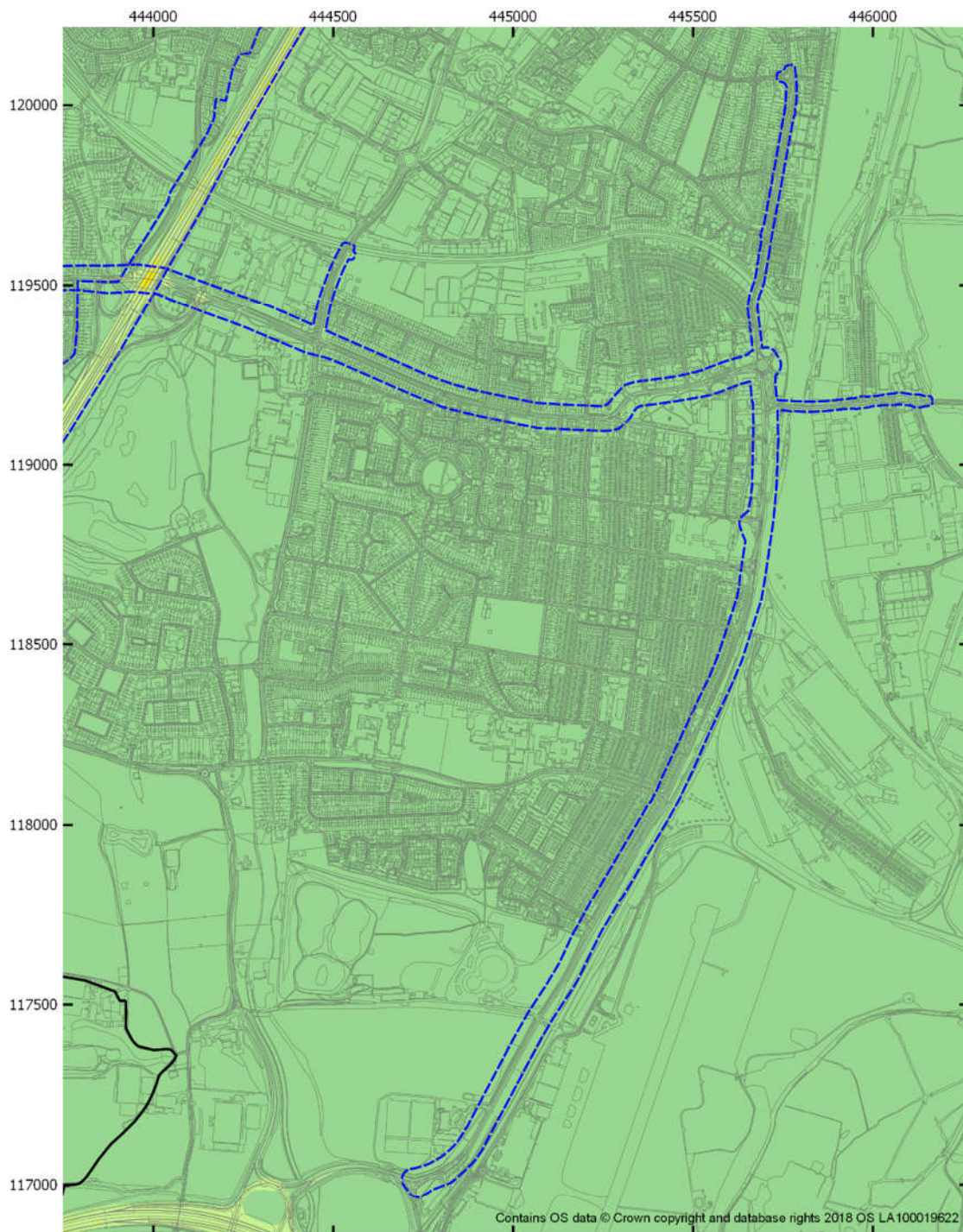
Figure 2-16 Annual mean NO₂ concentration model results for 2036 SGO E scenario AQMA No. 1 (A335 / Eastleigh) (East)**Legend**Total modelled NO₂ concentration (µg/m³)

- < 20
- 20 to 30
- 30 to 40
- 40 to 50
- > 50

AQMA boundary

Local authority boundary

200 0 200 400 600 800 m

Figure 2-17 Annual mean NO₂ concentration model results for 2036 Baseline AQMA No. 1 (A335 / Eastleigh) (East)**Legend**Total modelled NO₂ concentration (µg/m³)

- < 20
- 20 to 30
- 30 to 40
- 40 to 50
- > 50

AQMA boundary

Local authority boundary

200 0 200 400 600 800 m

Figure 2-18 Annual mean NO₂ concentration model results for pseudo-2030 SGO C scenario AQMA No. 1 (A335 / Eastleigh) (West)



Legend

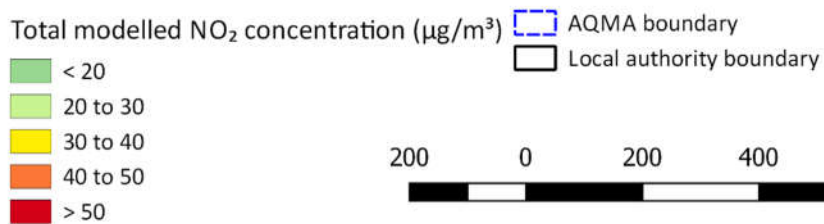


Figure 2-19 Annual mean NO₂ concentration model results for pseudo-2030 SGO D1 scenario AQMA No. 1 (A335 / Eastleigh) (West)



Legend

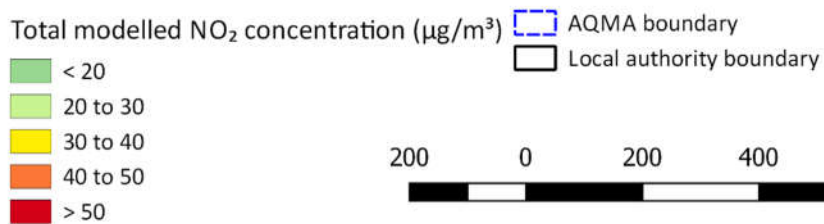


Figure 2-20 Annual mean NO₂ concentration model results for pseudo-2030 SGO D2 scenario AQMA No. 1 (A335 / Eastleigh) (West)



Legend

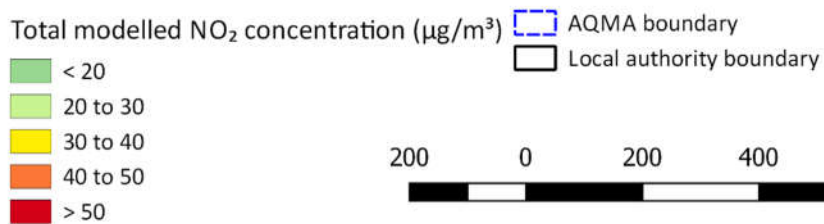


Figure 2-21 Annual mean NO₂ concentration model results for pseudo-2030 SGO E scenario AQMA No. 1 (A335 / Eastleigh) (West)



Legend

Total modelled NO₂ concentration (µg/m³)

- < 20
- 20 to 30
- 30 to 40
- 40 to 50
- > 50

AQMA boundary

Local authority boundary

200 0 200 400 600 800 m

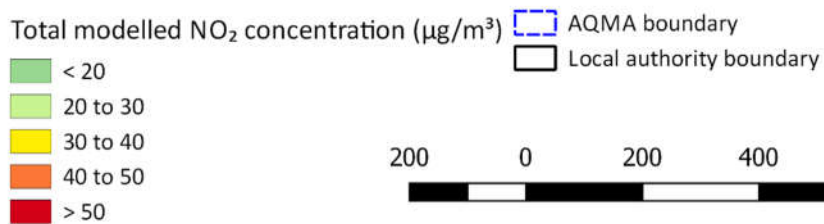
Figure 2-22 Annual mean NO₂ concentration model results for 2036 SGO C scenario AQMA No. 1 (A335 / Eastleigh) (West)**Legend**

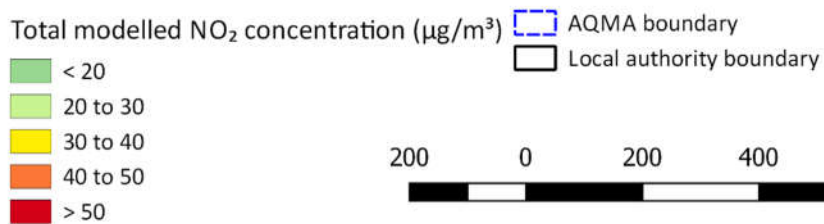
Figure 2-23 Annual mean NO₂ concentration model results for 2036 SGO D1 scenario AQMA No. 1 (A335 / Eastleigh) (West)**Legend**

Figure 2-24 Annual mean NO₂ concentration model results for 2036 SGO D2 scenario AQMA No. 1 (A335 / Eastleigh) (West)**Legend**Total modelled NO₂ concentration (µg/m³)

< 20

20 to 30

30 to 40

40 to 50

> 50

AQMA boundary

Local authority boundary

200 0 200 400 600 800 m

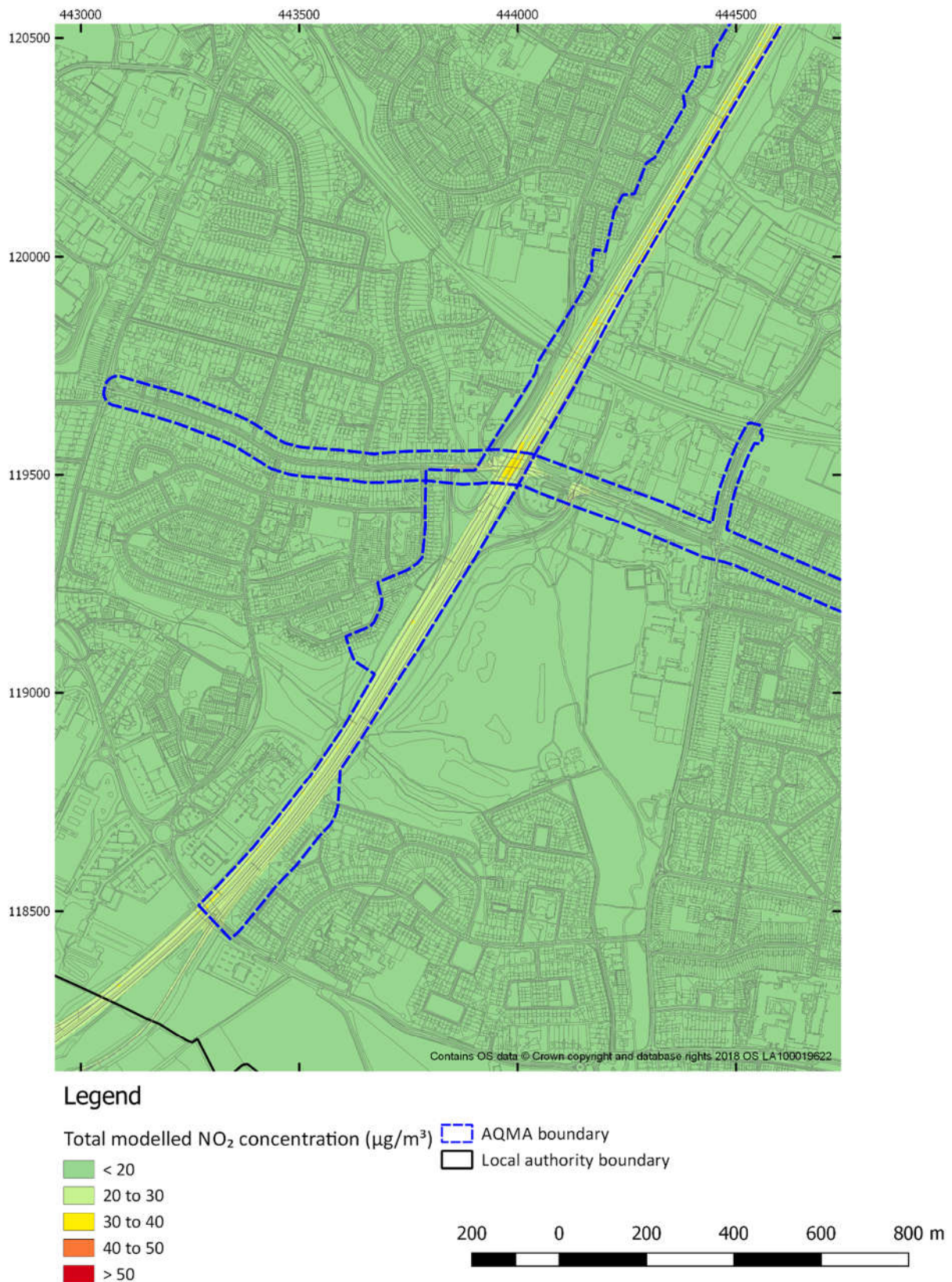
Figure 2-25 Annual mean NO₂ concentration model results for 2036 SGO E scenario AQMA No. 1 (A335 / Eastleigh) (West)

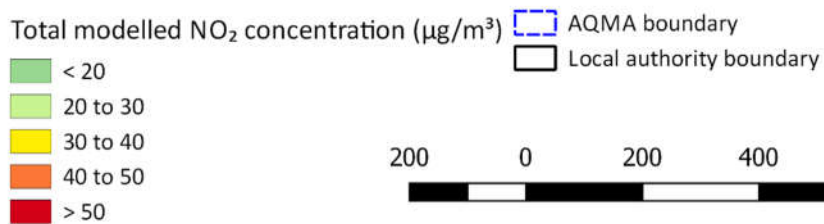
Figure 2-26 Annual mean NO₂ concentration model results for 2036 Baseline AQMA No. 1 (A335 / Eastleigh) (West)**Legend**

Figure 2-27 Annual mean NO₂ concentration model results for pseudo-2030 SGO C scenario AQMA No. 2 (M3) (North)

Figure 2-28 Annual mean NO₂ concentration model results for pseudo-2030 SGO D1 scenario AQMA No. 2 (M3) (North)

Figure 2-29 Annual mean NO₂ concentration model results for pseudo-2030 SGO D2 scenario AQMA No. 2 (M3) (North)

Figure 2-30 Annual mean NO₂ concentration model results for pseudo-2030 SGO E scenario AQMA No. 2 (M3) (North)

Figure 2-31 Annual mean NO₂ concentration model results for 2036 SGO C scenario AQMA No. 2 (M3) (North)

Figure 2-32 Annual mean NO₂ concentration model results for 2036 SGO D1 scenario AQMA No. 2 (M3) (North)

Figure 2-33 Annual mean NO₂ concentration model results for 2036 SGO D2 scenario AQMA No. 2 (M3) (North)

Figure 2-34 Annual mean NO₂ concentration model results for 2036 SGO E scenario AQMA No. 2 (M3) (North)

Figure 2-35 Annual mean NO₂ concentration model results for 2036 Baseline AQMA No. 2 (M3) (North)

2.3 AQMA 3

Figure 2-36 Annual mean NO₂ concentration model results for pseudo-2030 SGO C scenario AQMA No. 3 (Hamble Lane)

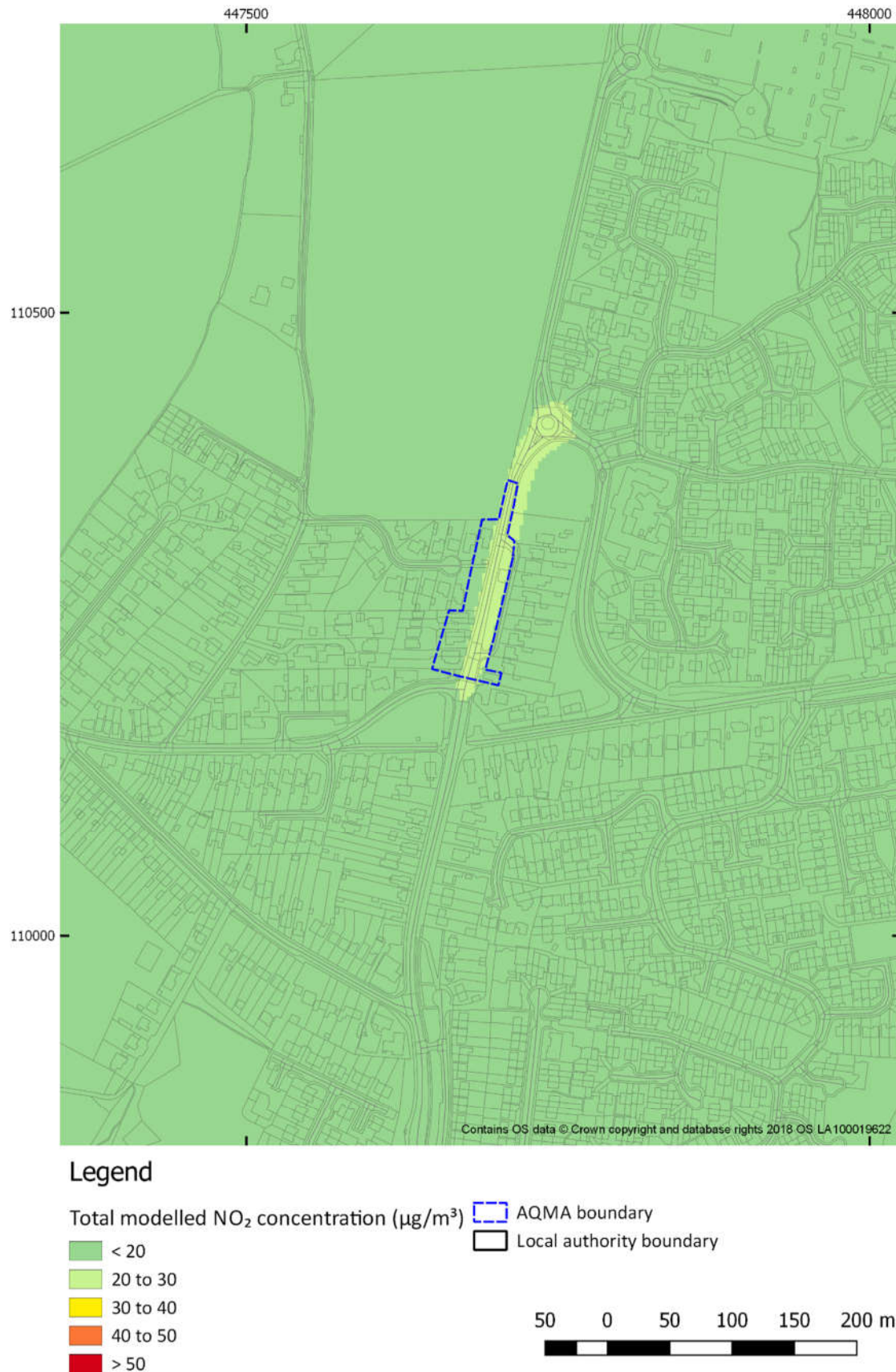


Figure 2-37 Annual mean NO₂ concentration model results for pseudo-2030 SGO D1 scenario AQMA No. 3 (Hamble Lane)

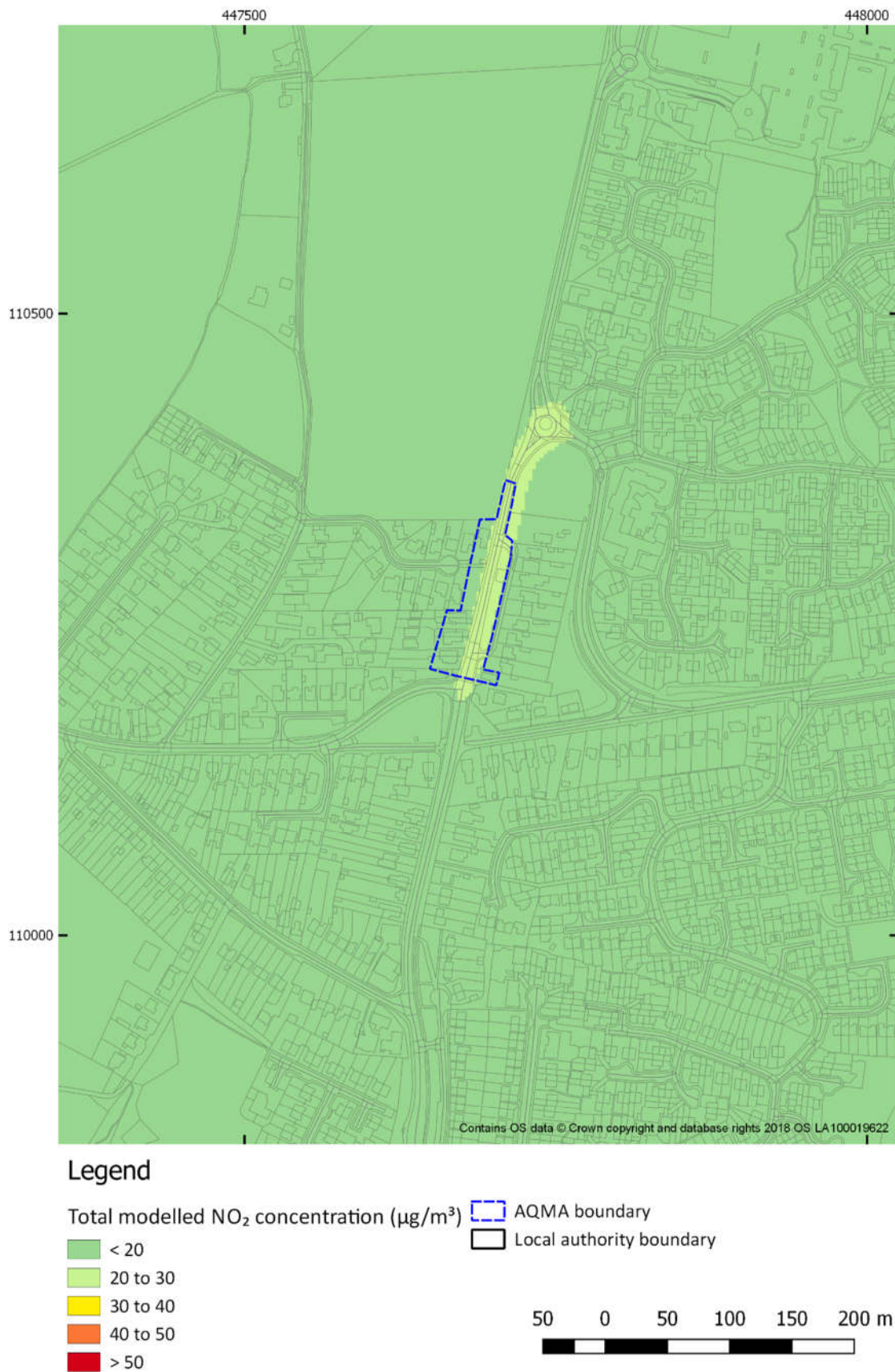
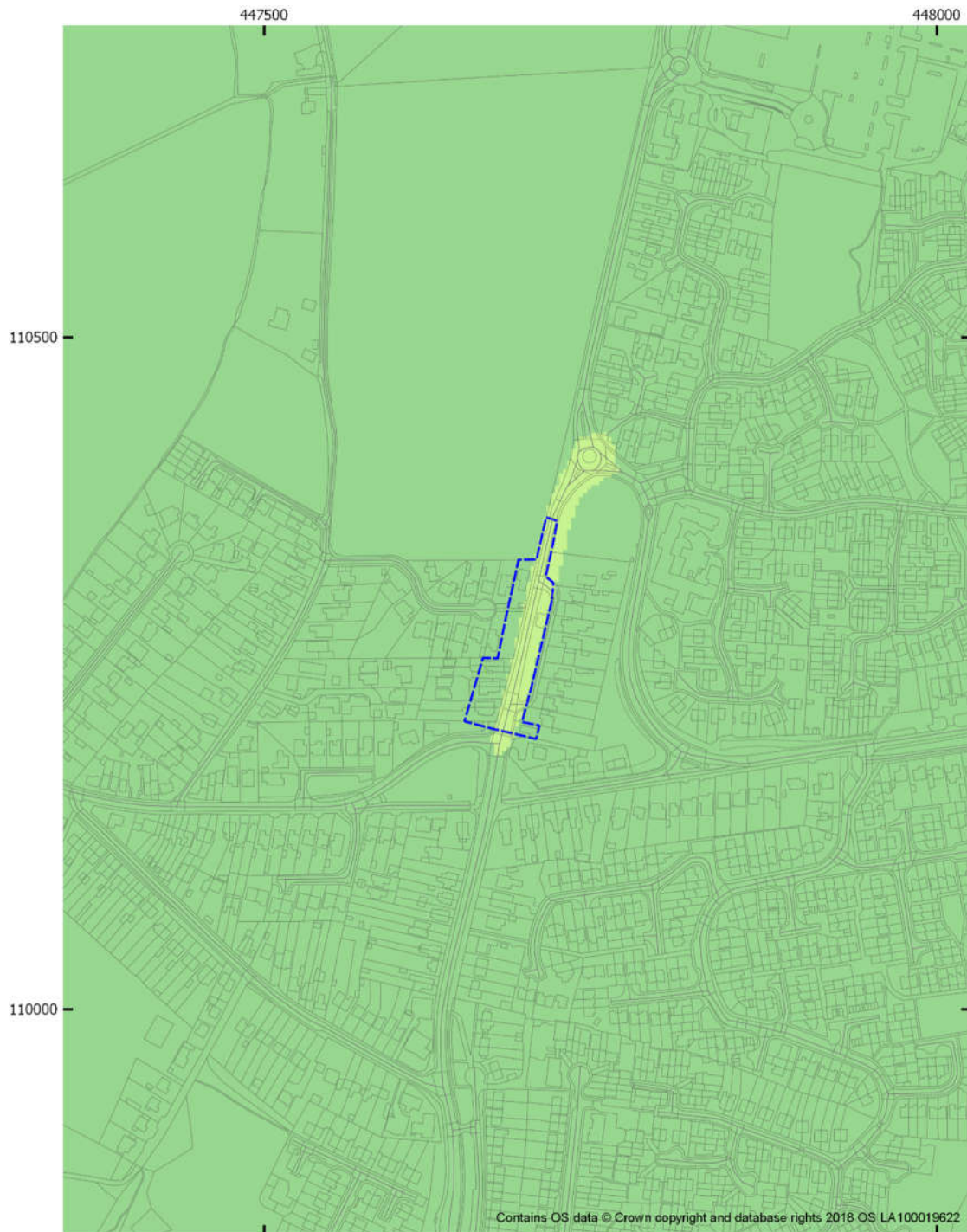


Figure 2-38 Annual mean NO₂ concentration model results for pseudo-2030 SGO D2 scenario AQMA No. 3 (Hamble Lane)



Legend

Total modelled NO₂ concentration (µg/m³)

- < 20
- 20 to 30
- 30 to 40
- 40 to 50
- > 50

AQMA boundary

Local authority boundary

50 0 50 100 150 200 m

Figure 2-39 Annual mean NO₂ concentration model results for pseudo-2030 SGO E scenario AQMA No. 3 (Hamble Lane)

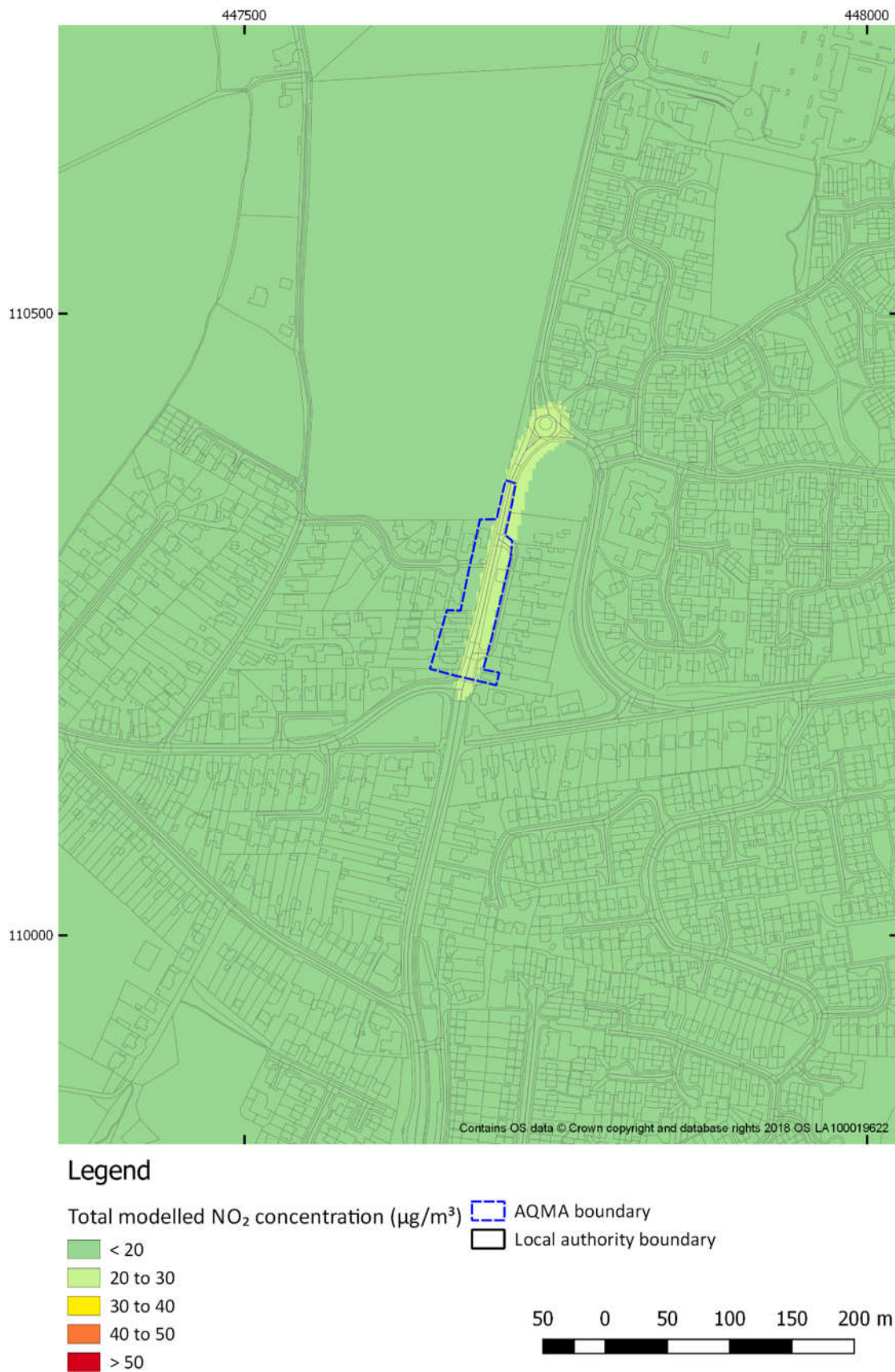


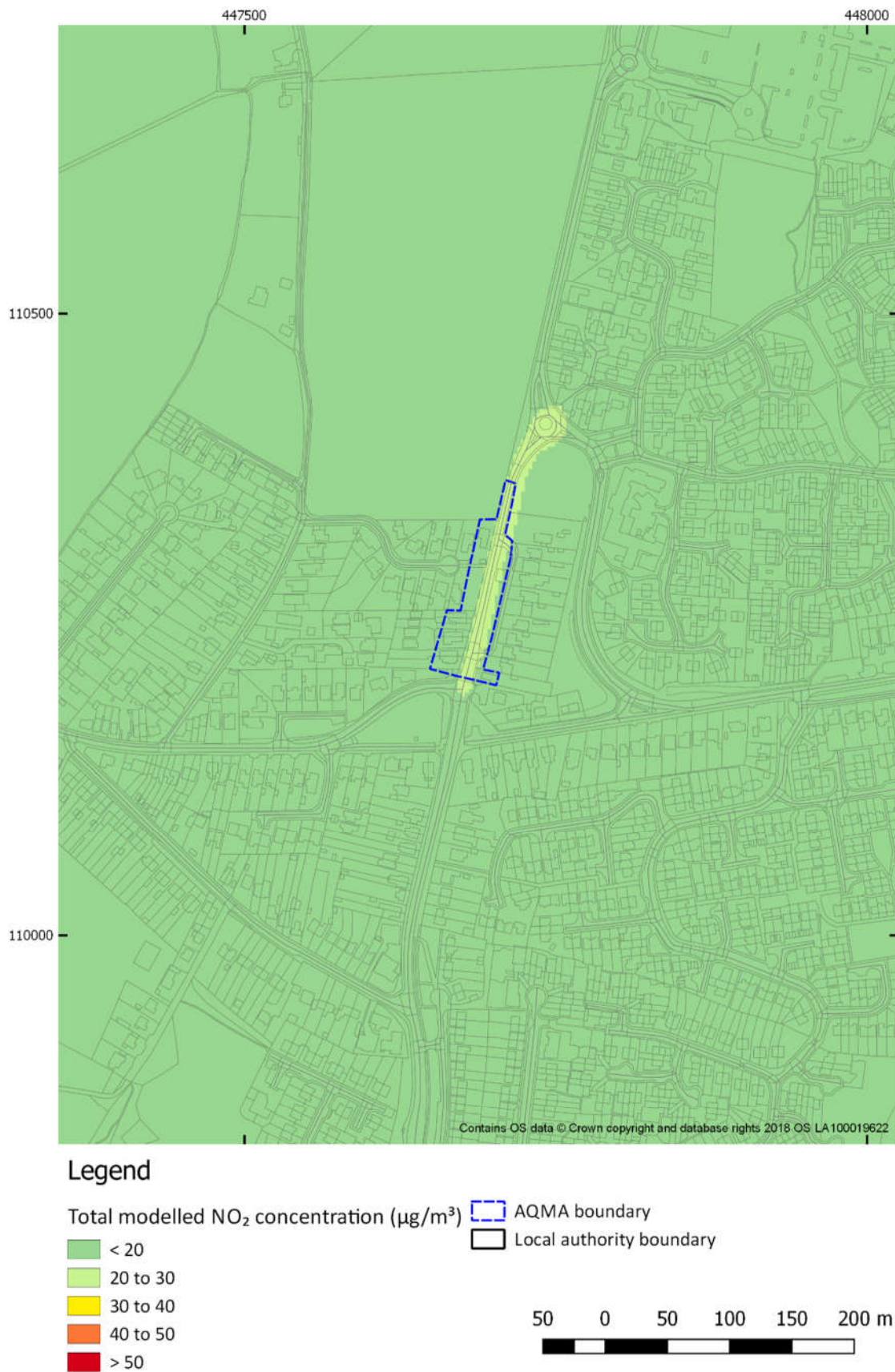
Figure 2-40 Annual mean NO₂ concentration model results for 2036 SGO C scenario AQMA No. 3 (Hamble Lane)

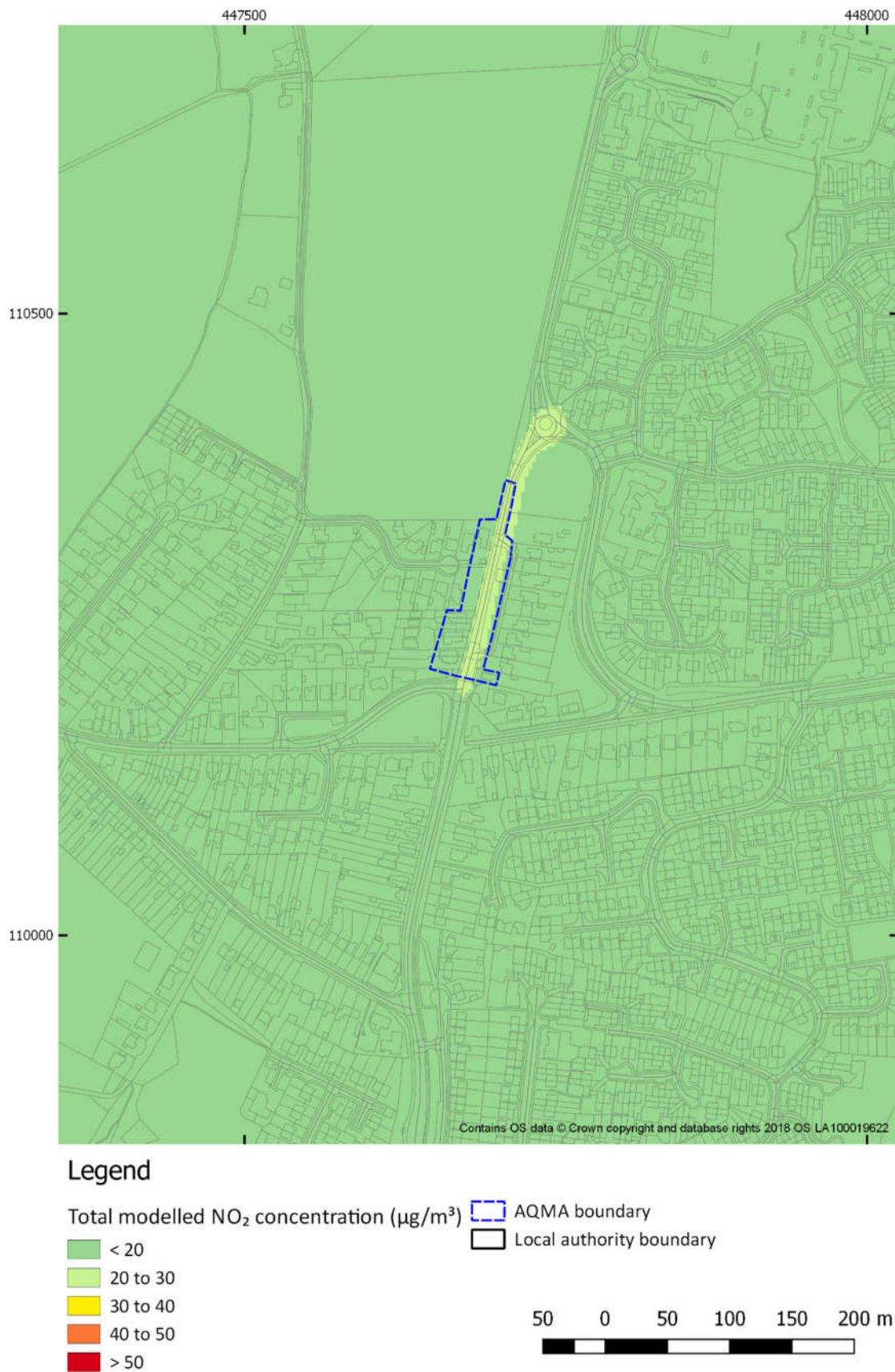
Figure 2-41 Annual mean NO₂ concentration model results for 2036 SGO D1 scenario AQMA No. 3 (Hamble Lane)

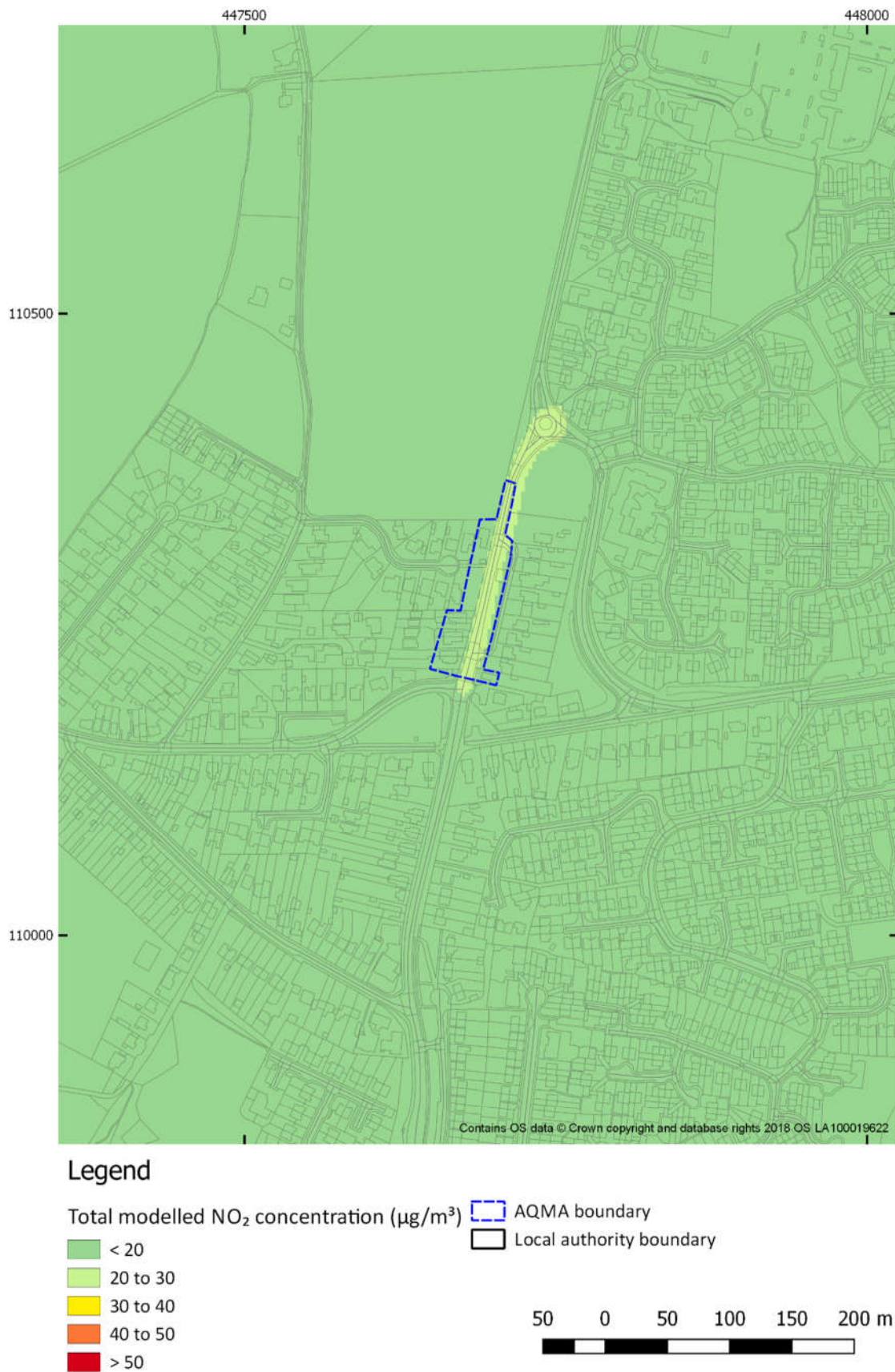
Figure 2-42 Annual mean NO₂ concentration model results for 2036 SGO D2 scenario AQMA No. 3 (Hamble Lane)

Figure 2-43 Annual mean NO₂ concentration model results for 2036 SGO E scenario AQMA No. 3 (Hamble Lane)

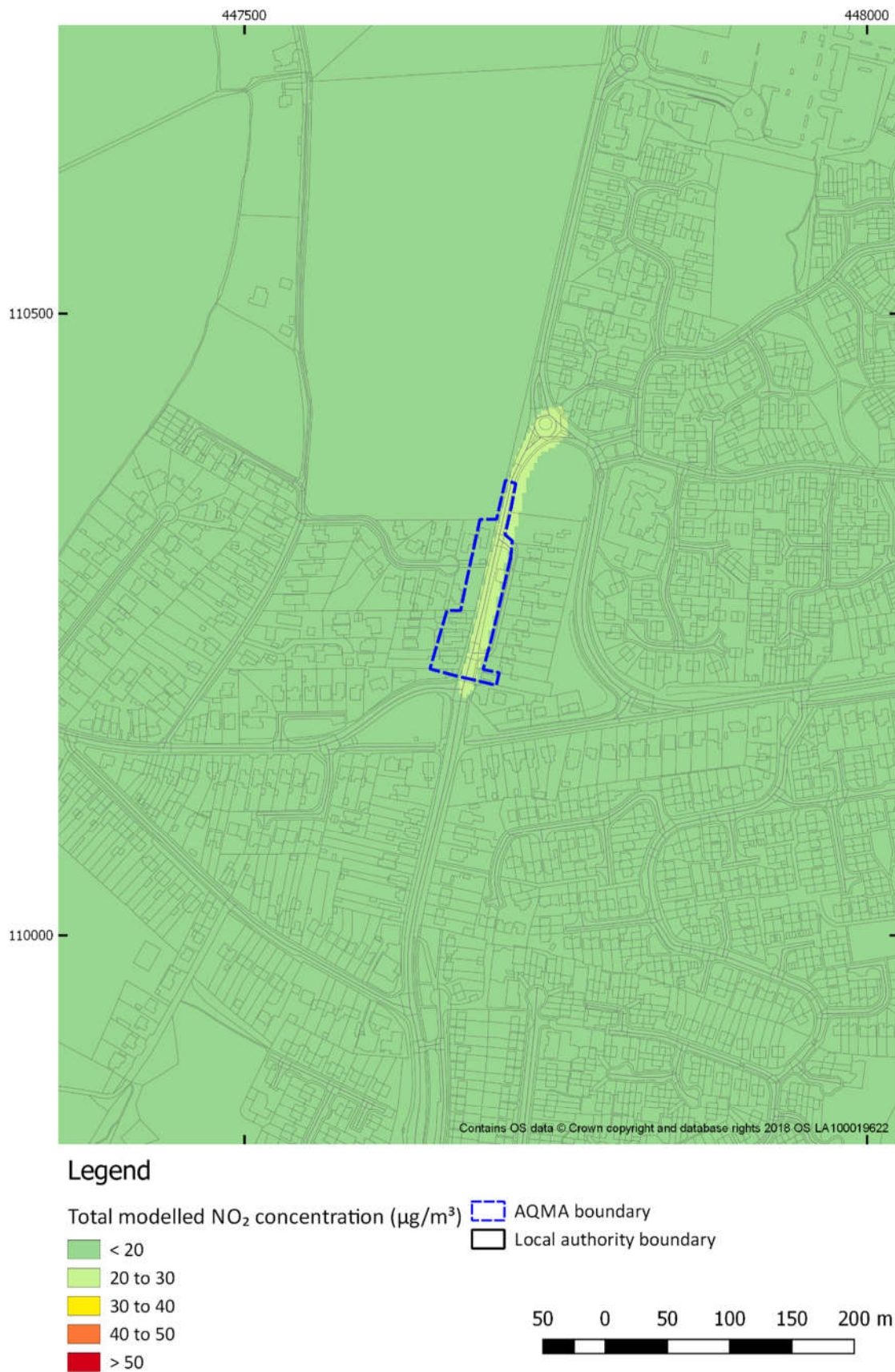
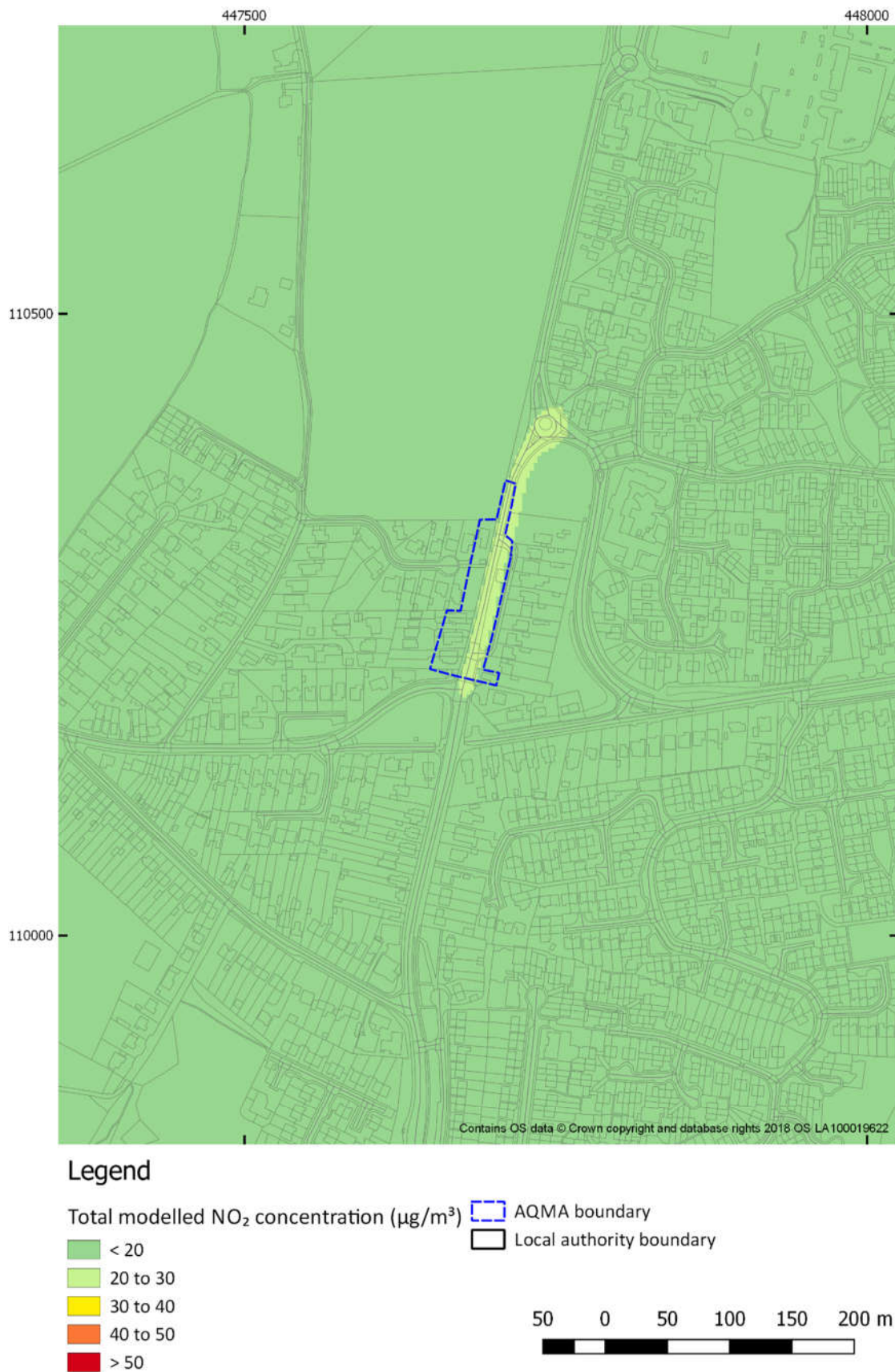


Figure 2-44 Annual mean NO₂ concentration model results for 2036 Baseline AQMA No. 3 (Hamble Lane)

2.4 AQMA 4

Figure 2-45 Annual mean NO₂ concentration model results for pseudo-2030 SGO C scenario AQMA No. 4 (High Street Botley)

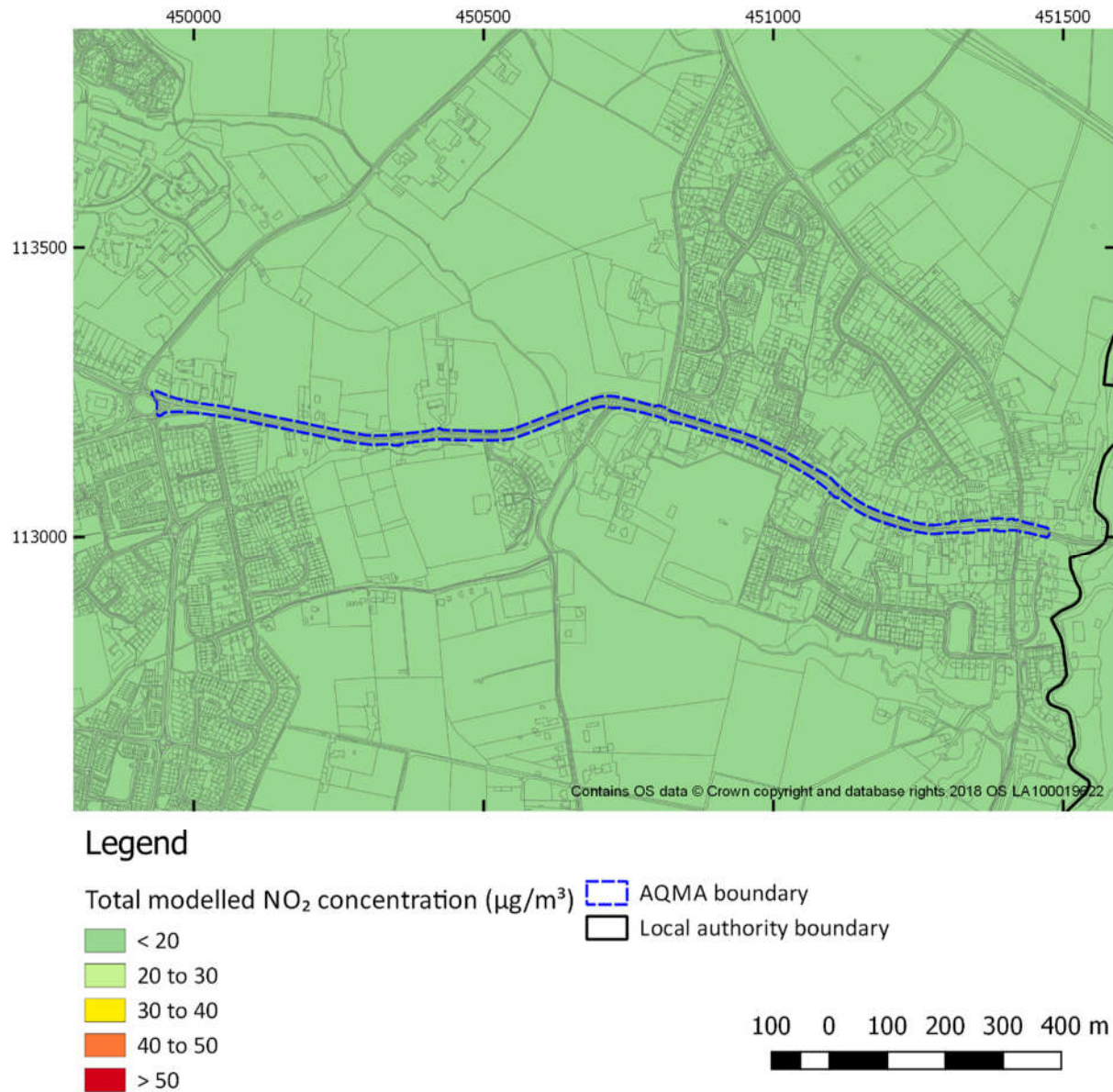


Figure 2-46 Annual mean NO₂ concentration model results for pseudo-2030 SGO D1 scenario AQMA No. 4 (High Street Botley)

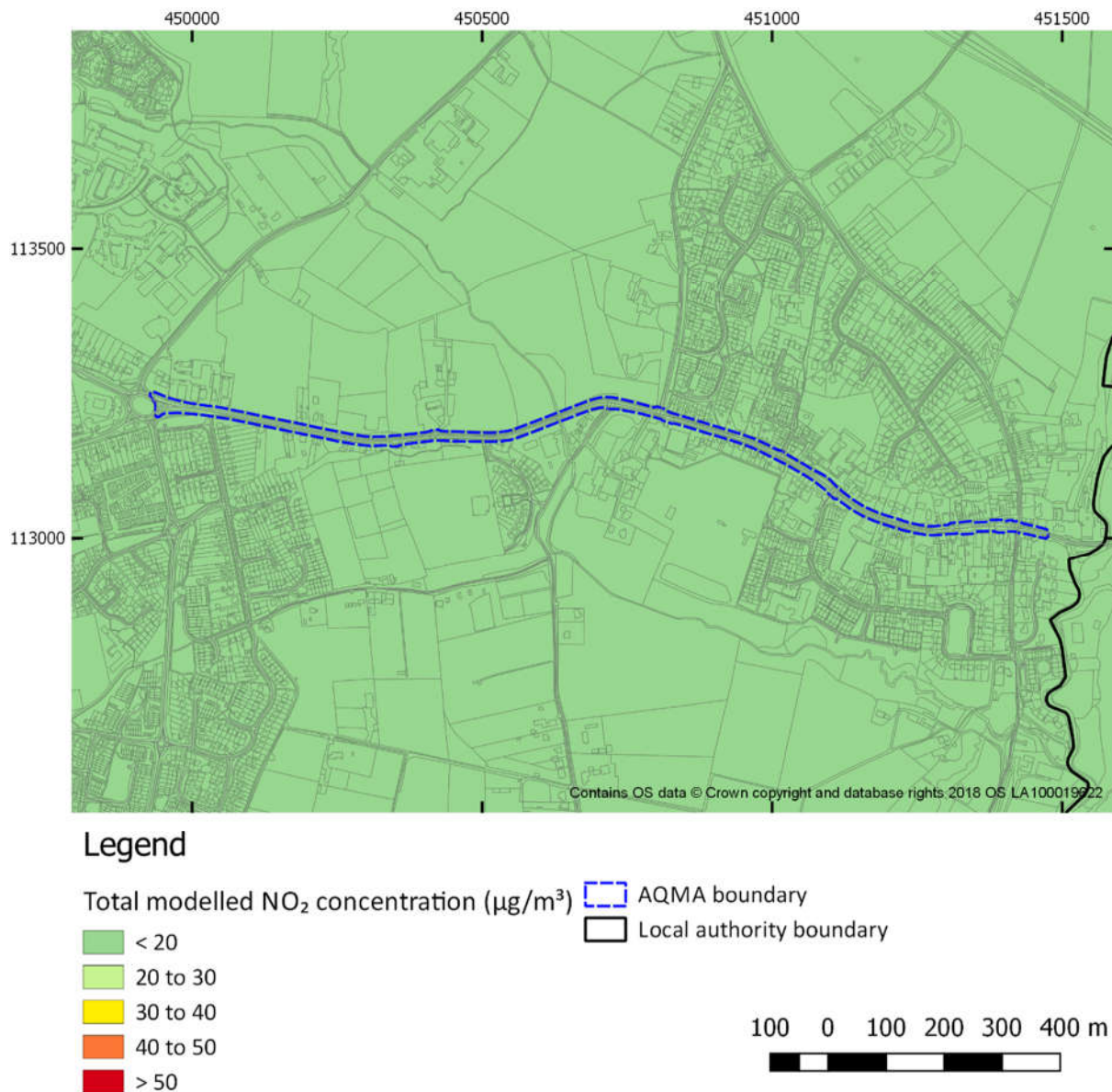


Figure 2-47 Annual mean NO₂ concentration model results for pseudo-2030 SGO D2 scenario AQMA No. 4 (High Street Botley)

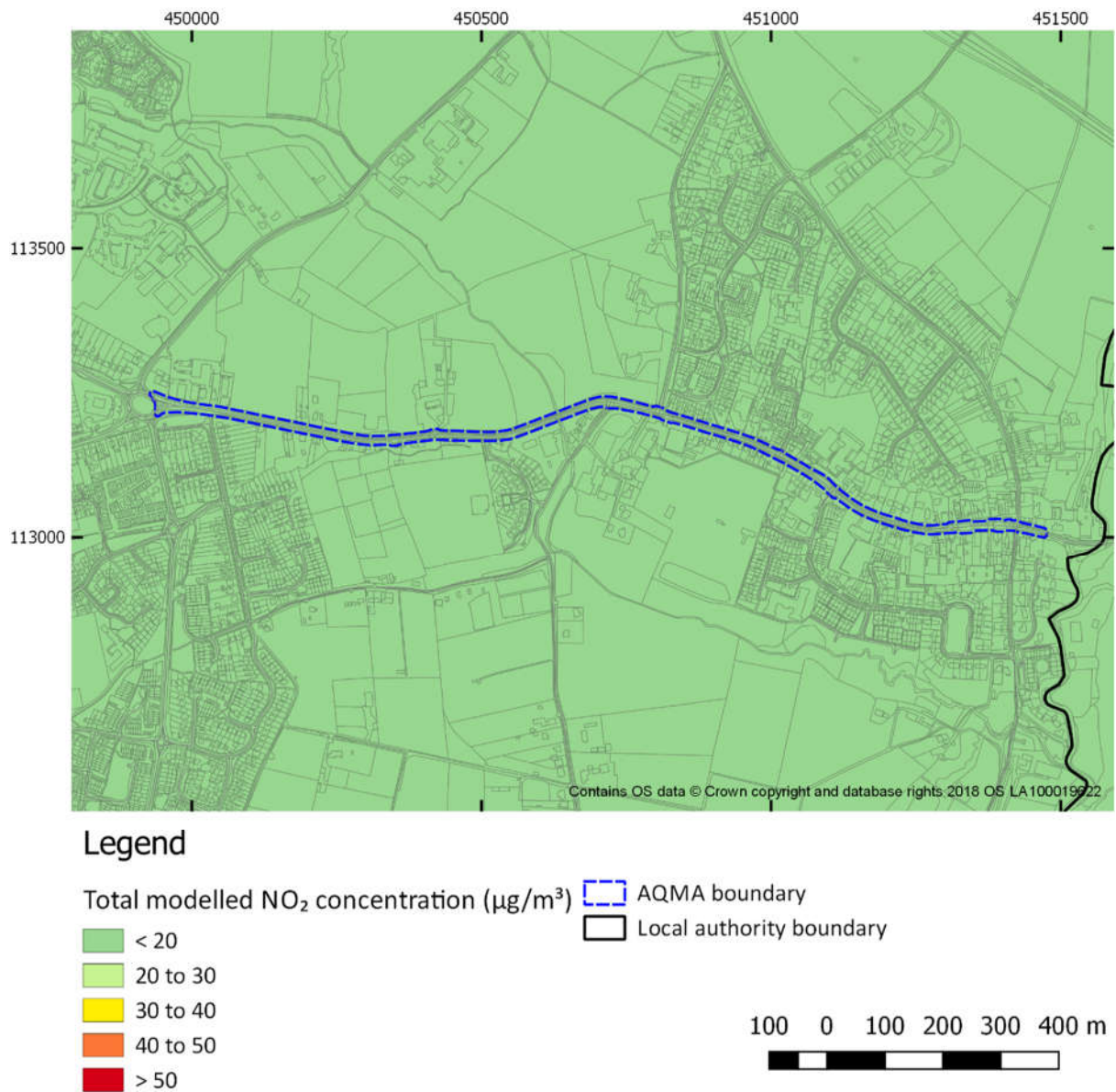


Figure 2-48 Annual mean NO₂ concentration model results for pseudo-2030 SGO E scenario AQMA No. 4 (High Street Botley)

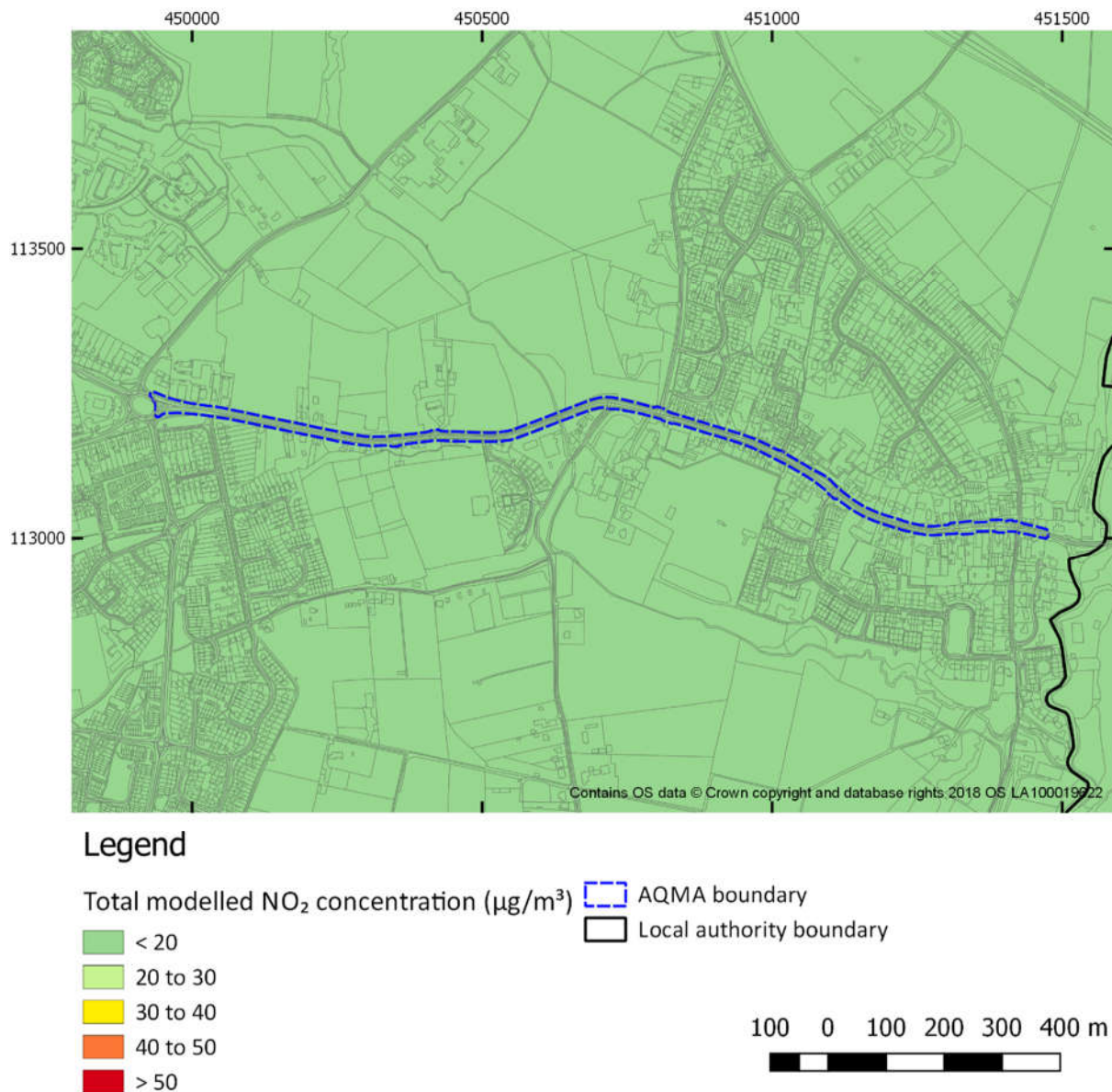


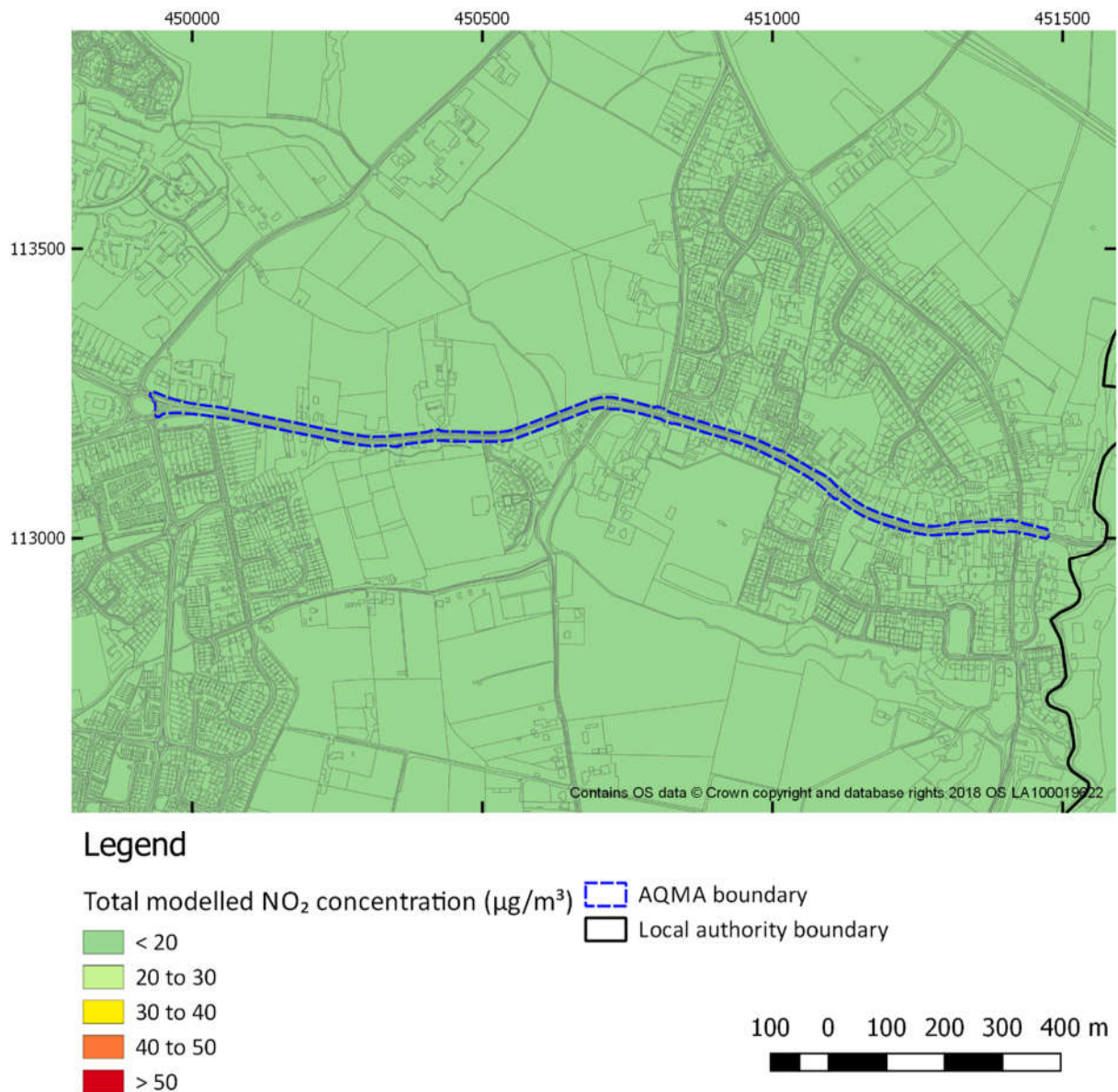
Figure 2-49 Annual mean NO₂ concentration model results for 2036 SGO C scenario AQMA No. 4 (High Street Botley)

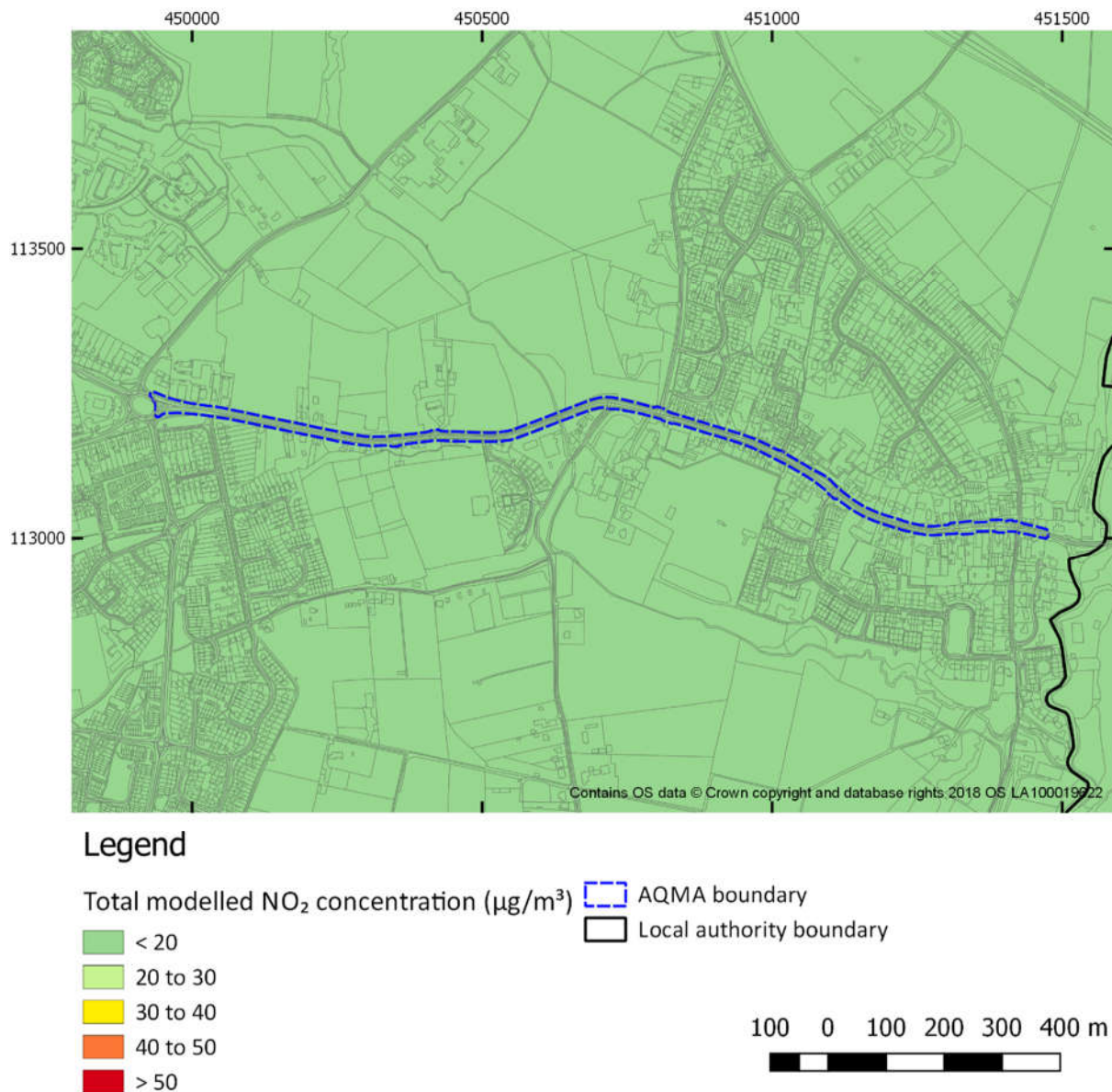
Figure 2-50 Annual mean NO₂ concentration model results for 2036 SGO D1 scenario AQMA No. 4 (High Street Botley)

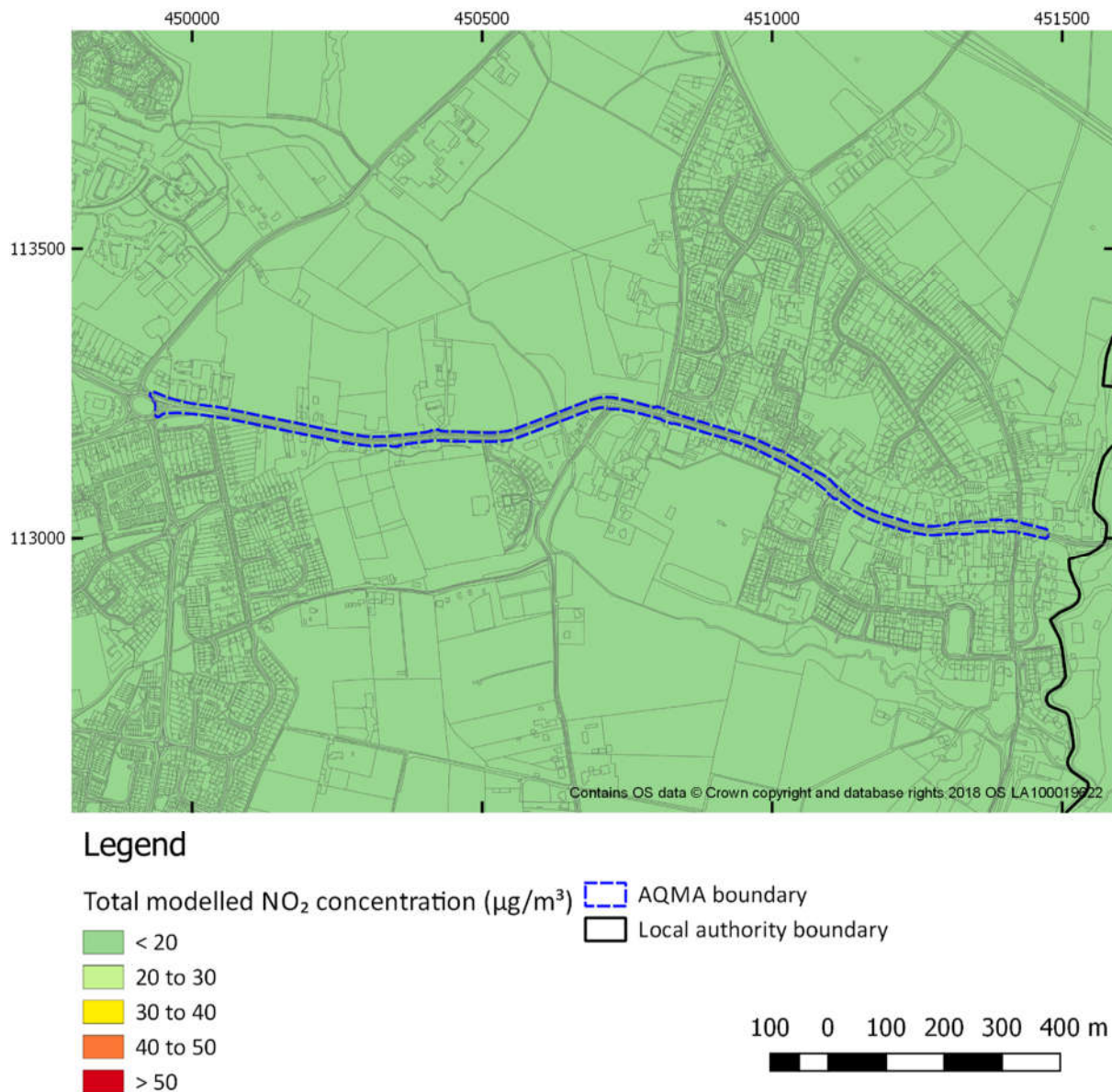
Figure 2-51 Annual mean NO₂ concentration model results for 2036 SGO D2 scenario AQMA No. 4 (High Street Botley)

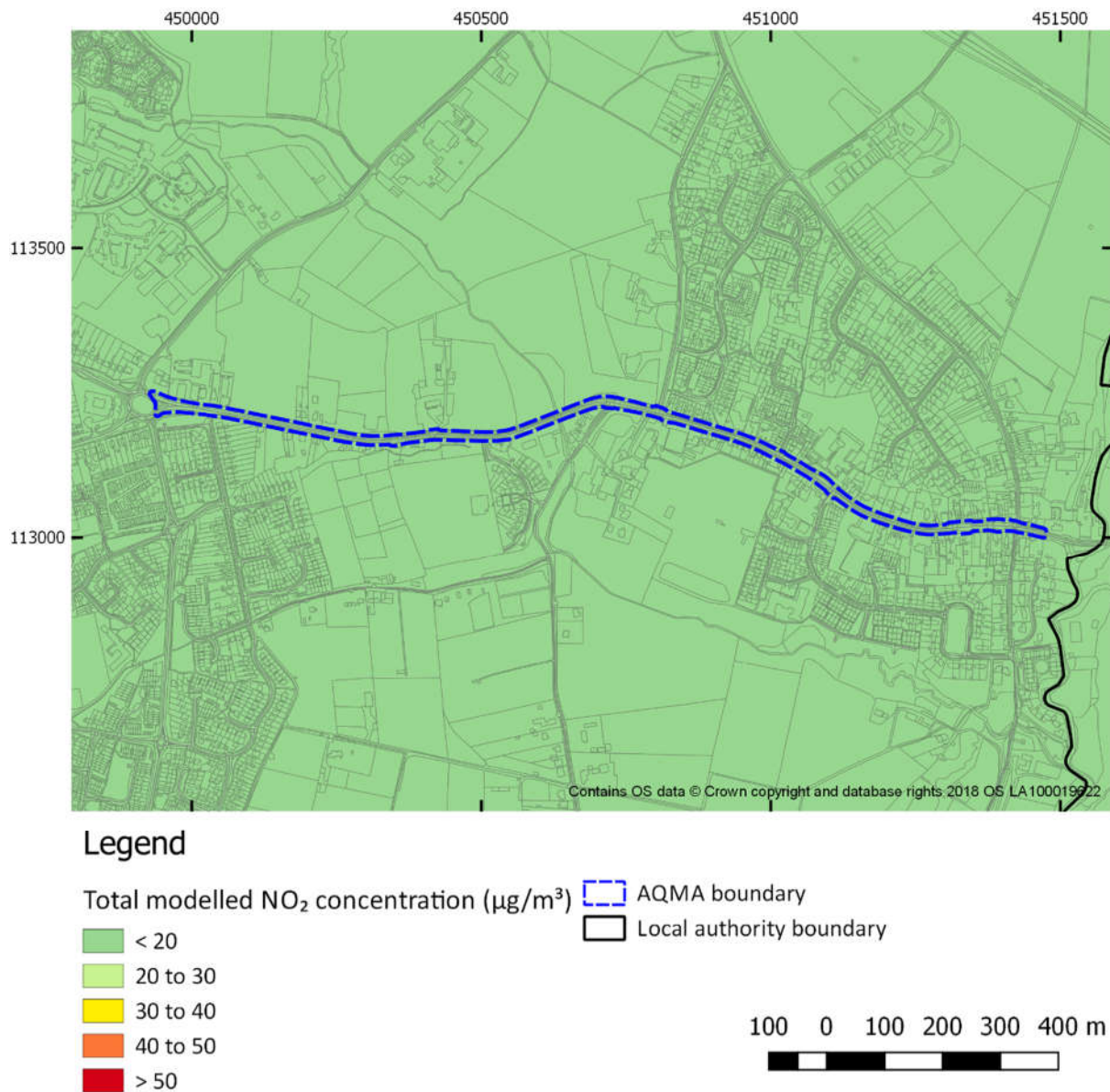
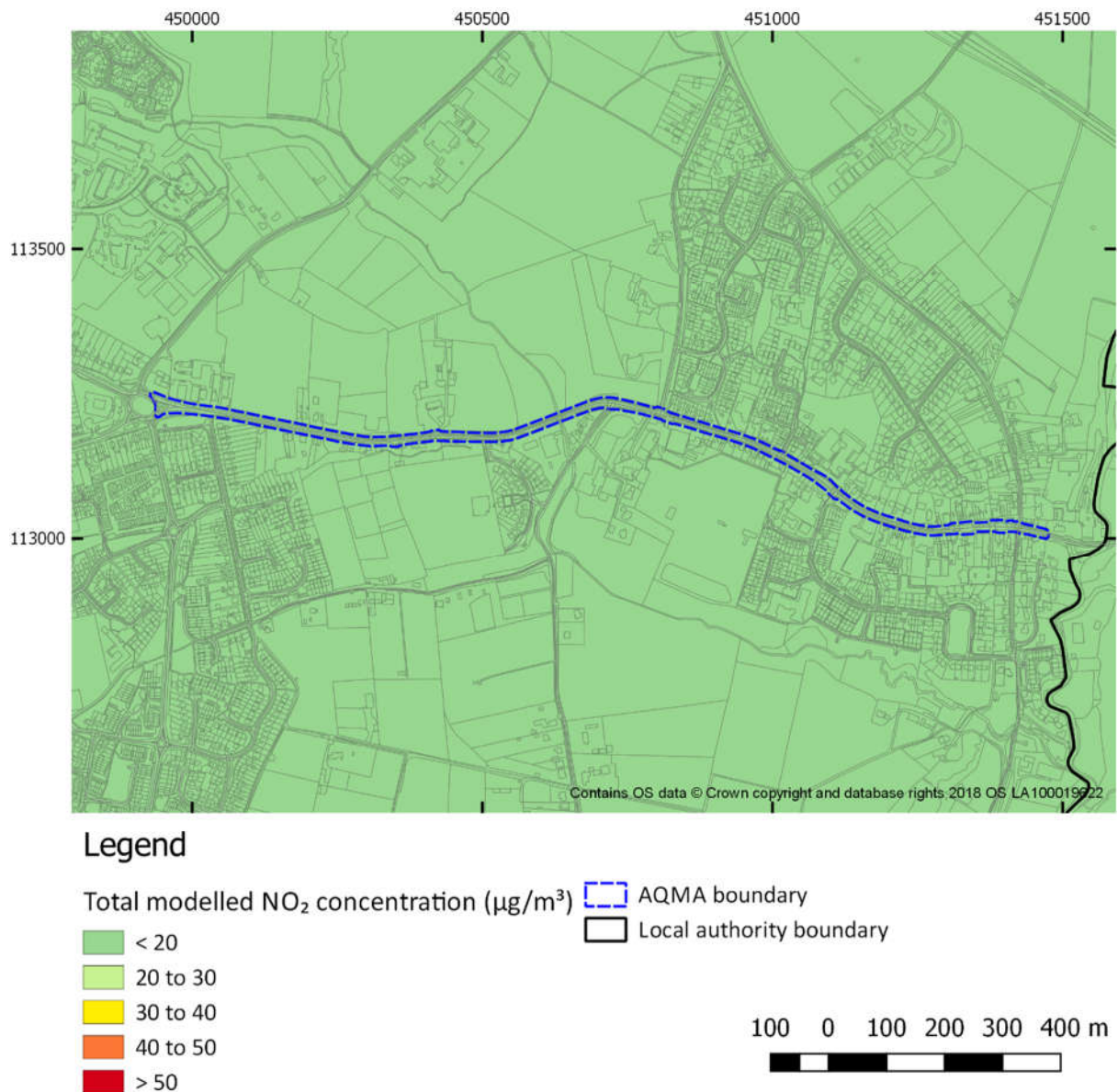
Figure 2-52 Annual mean NO₂ concentration model results for 2036 SGO E scenario AQMA No. 4 (High Street Botley)

Figure 2-53 Annual mean NO₂ concentration model results for 2036 Baseline AQMA No. 4 (High Street Botley)

3 PM₁₀ annual mean concentration

3.1 Full modelling domain

Figure 3-1 Annual mean PM₁₀ concentration model results for pseudo-2030 SGO C scenario

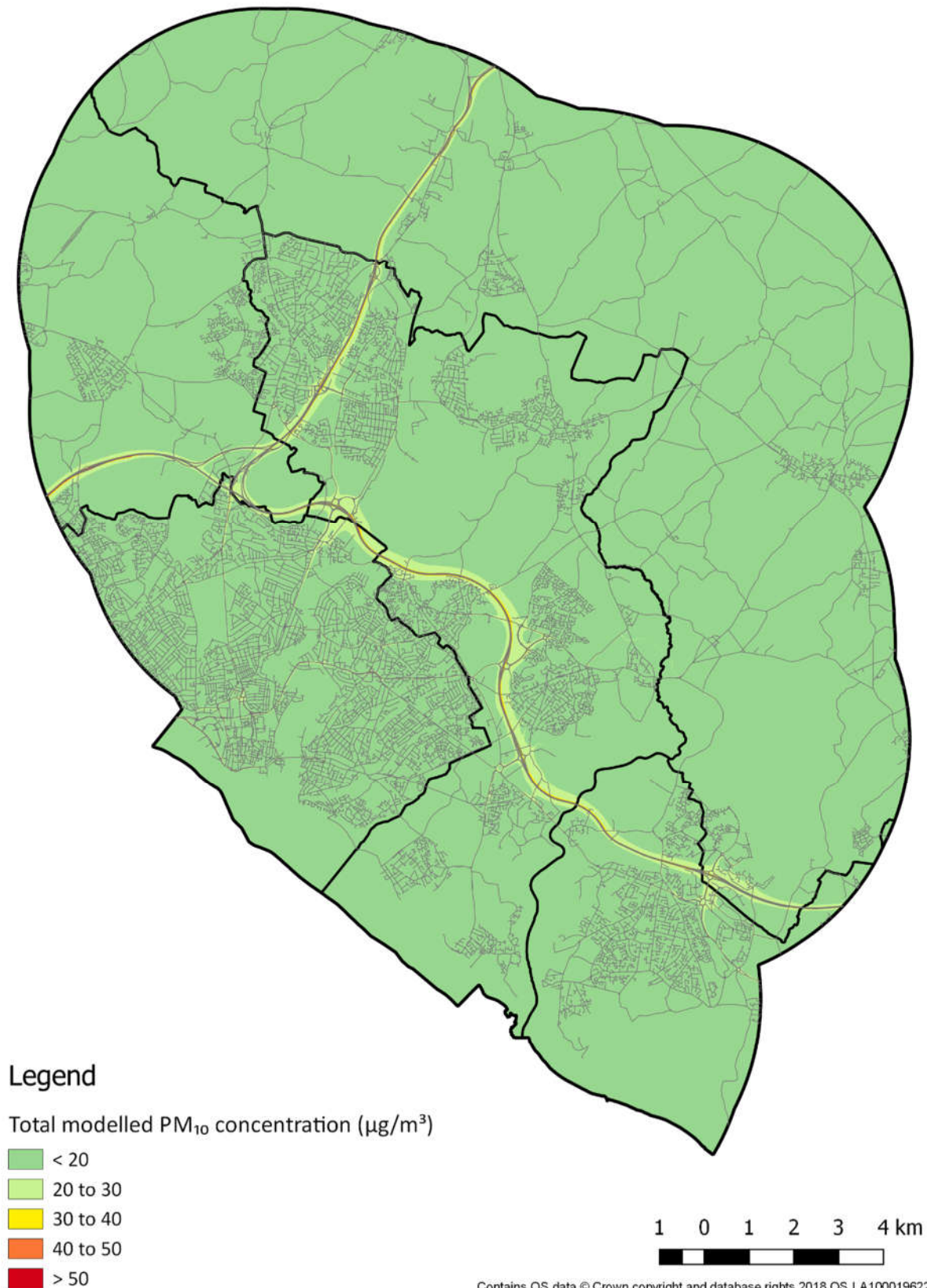


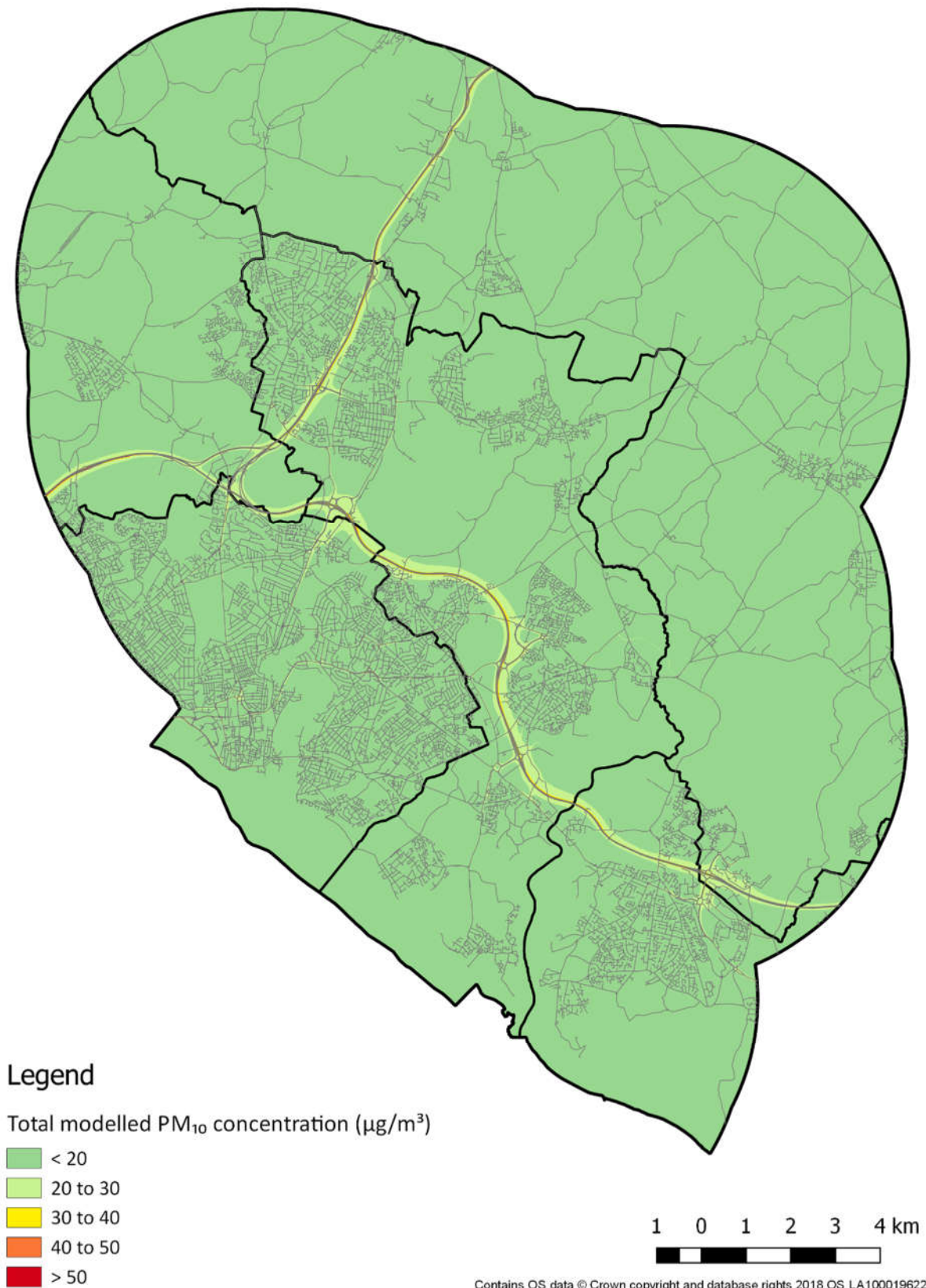
Figure 3-2 Annual mean PM₁₀ concentration model results for pseudo-2030 SGO D1 scenario

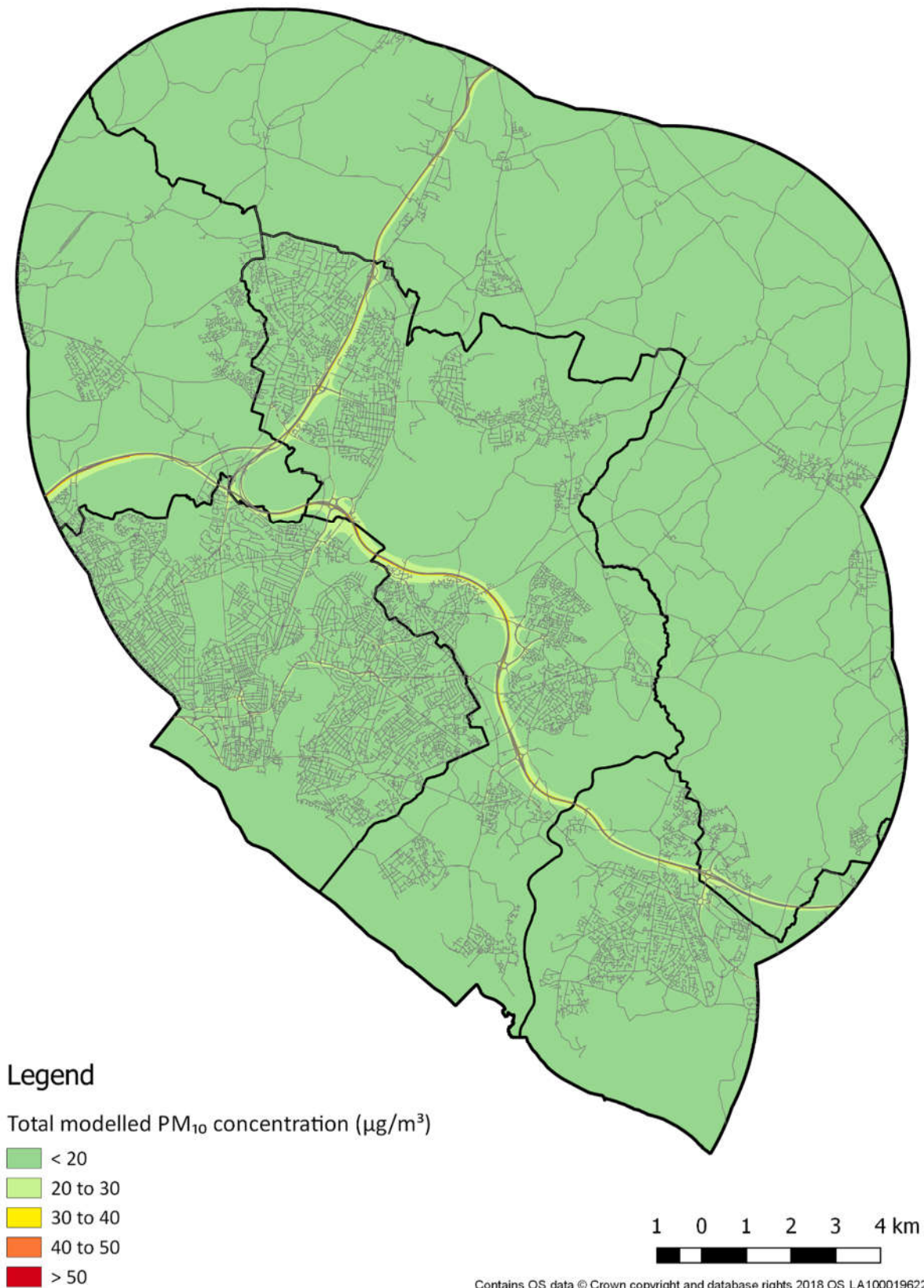
Figure 3-3 Annual mean PM₁₀ concentration model results for pseudo-2030 SGO D2 scenario

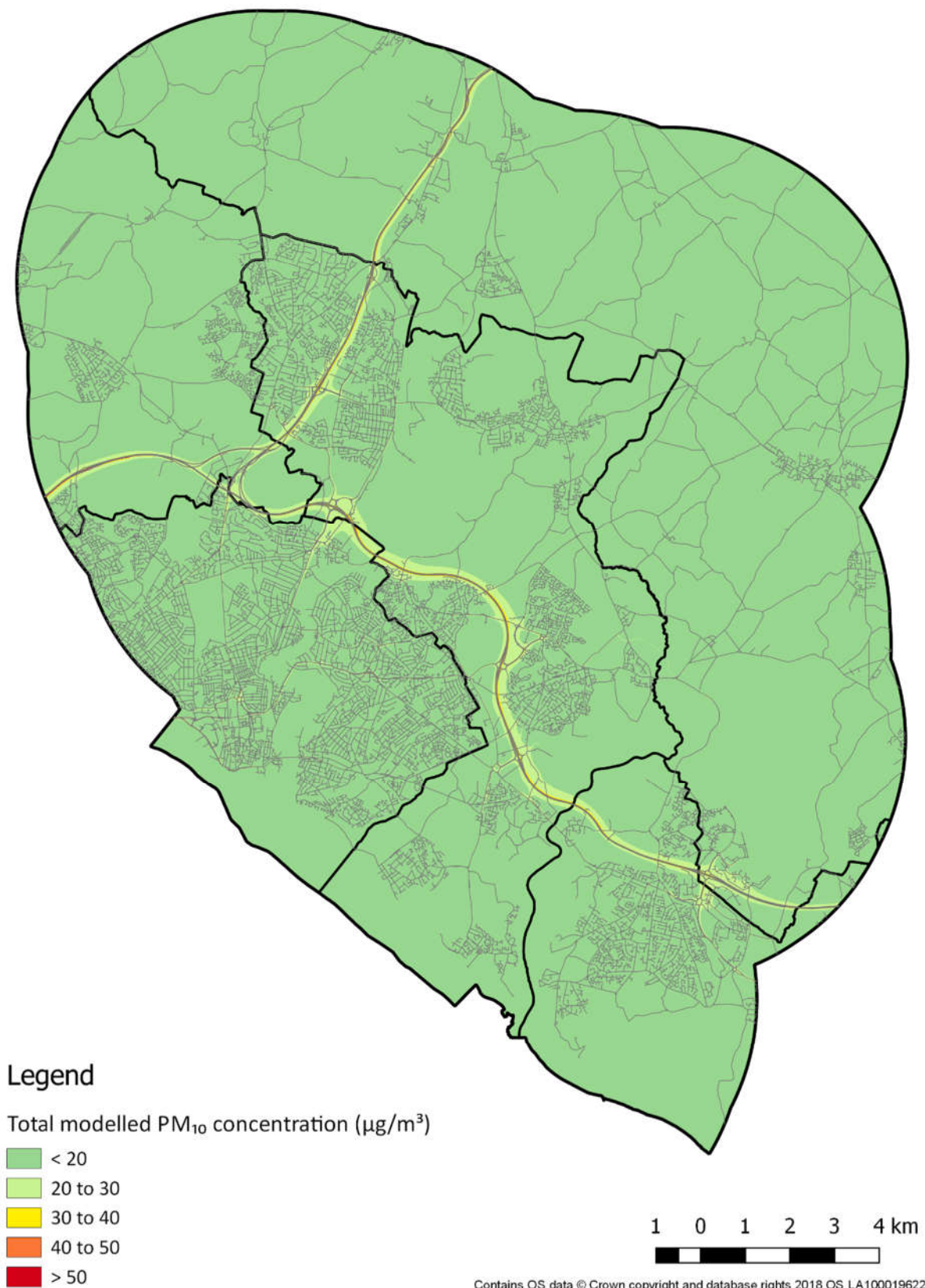
Figure 3-4 Annual mean PM₁₀ concentration model results for pseudo-2030 SGO E scenario

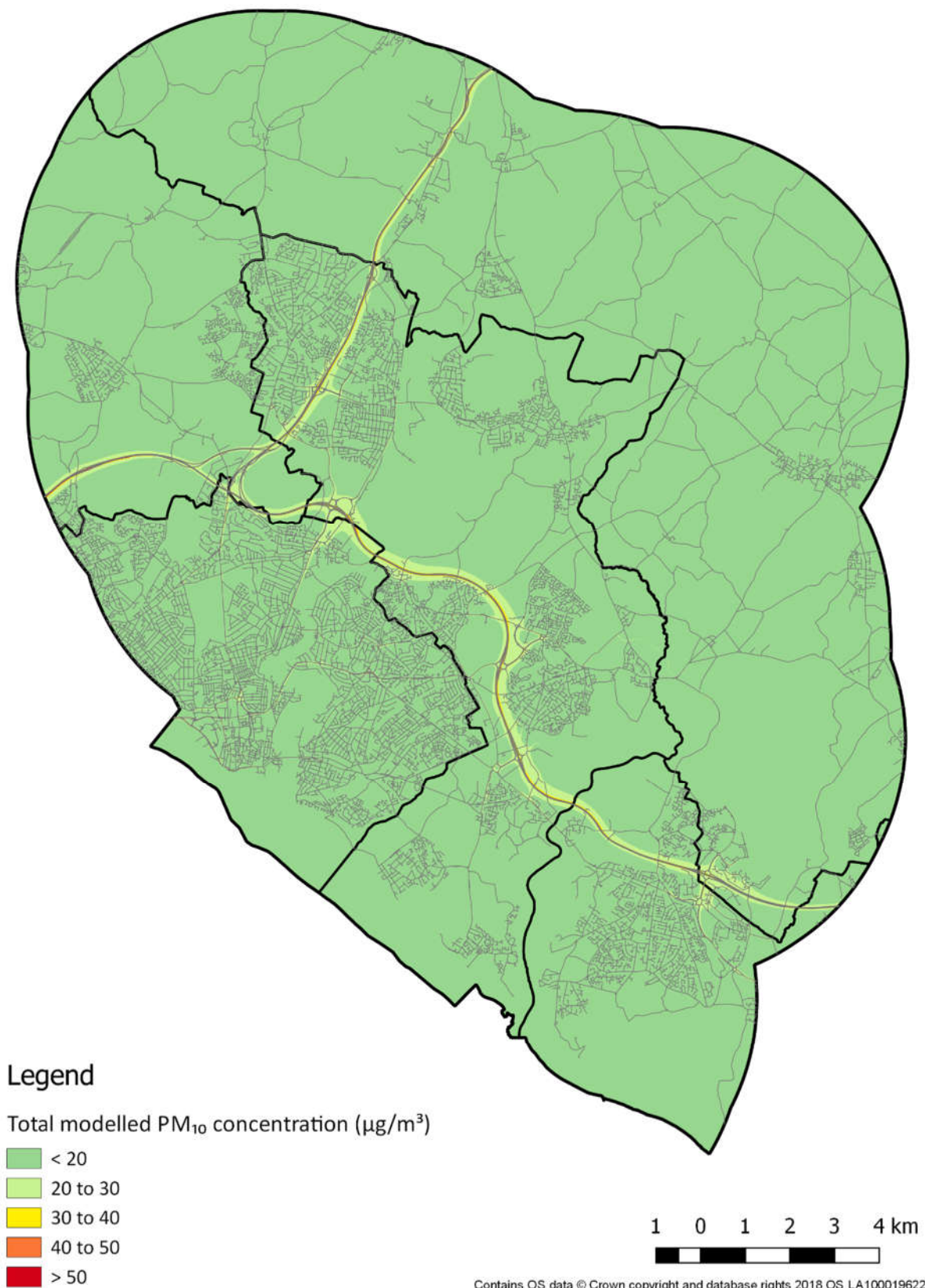
Figure 3-5 Annual mean PM₁₀ concentration model results for 2036 SGO C scenario

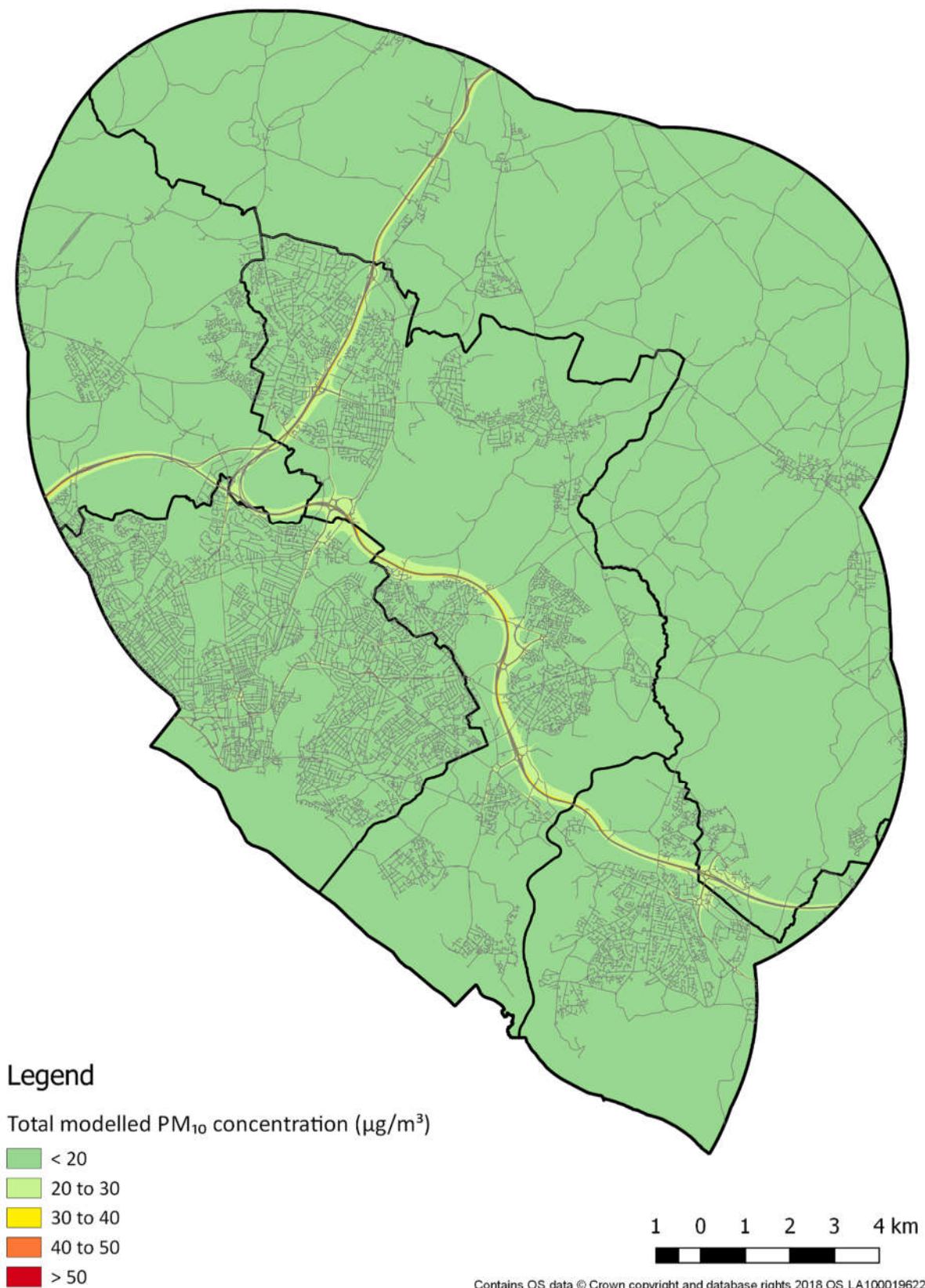
Figure 3-6 Annual mean PM₁₀ concentration model results for 2036 SGO D1 scenario

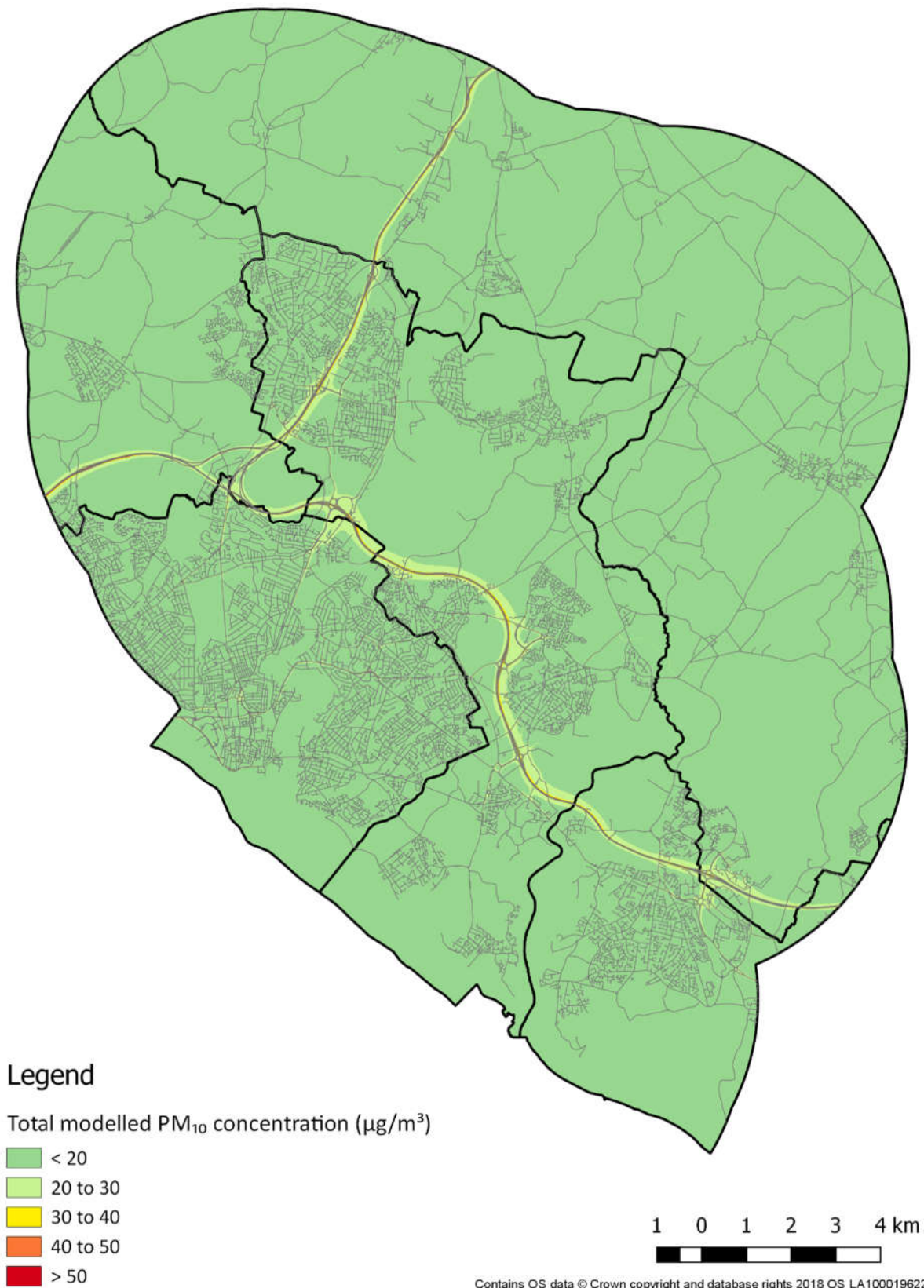
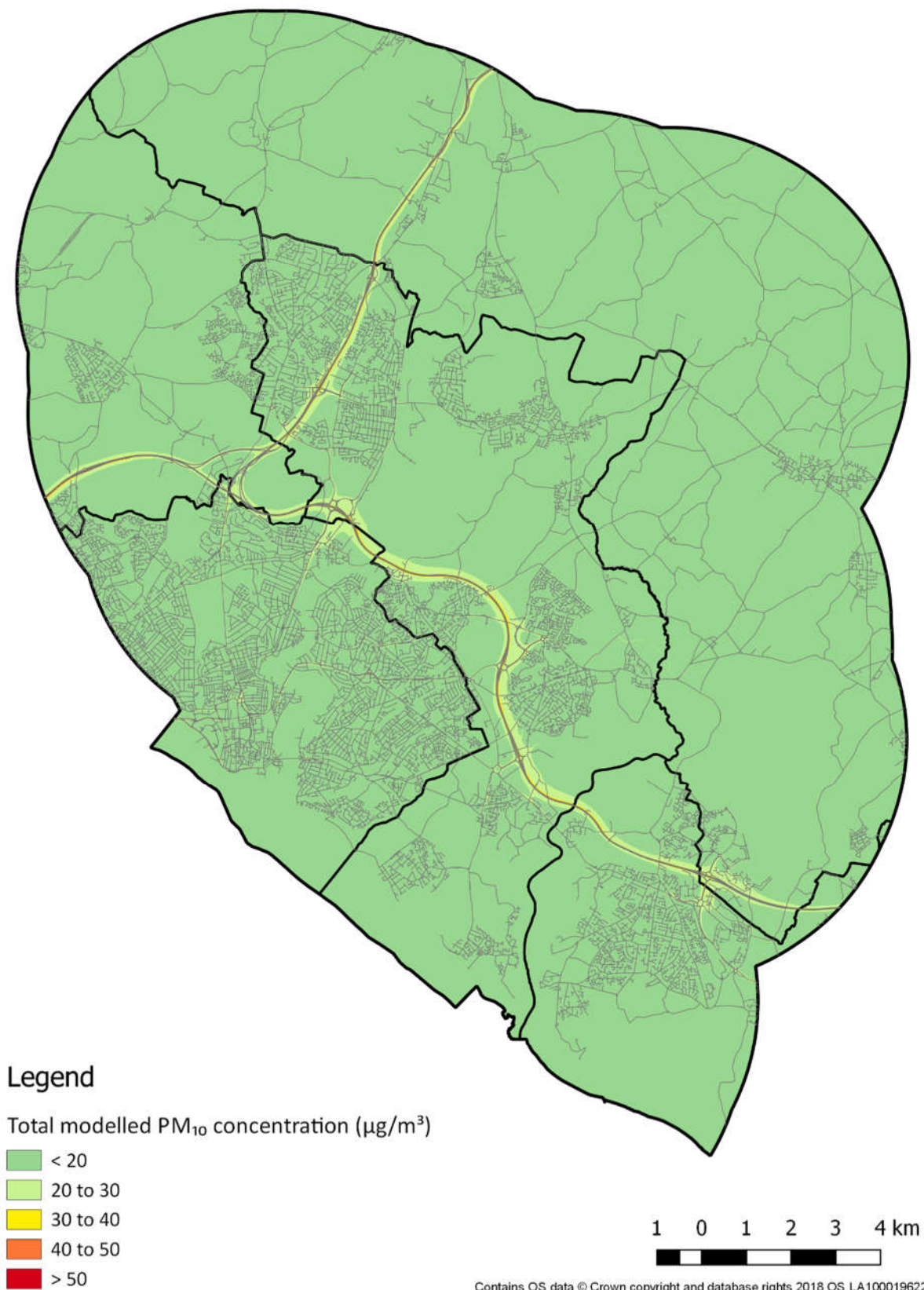
Figure 3-7 Annual mean PM₁₀ concentration model results for 2036 SGO D2 scenario

Figure 3-8 Annual mean PM₁₀ concentration model results for 2036 SGO E scenario

3.2 AQMA 1 and 2

Figure 3-9 Annual mean PM₁₀ concentration model results for pseudo-2030 SGO C scenario AQMA No. 1 (A335 / Eastleigh) (East)

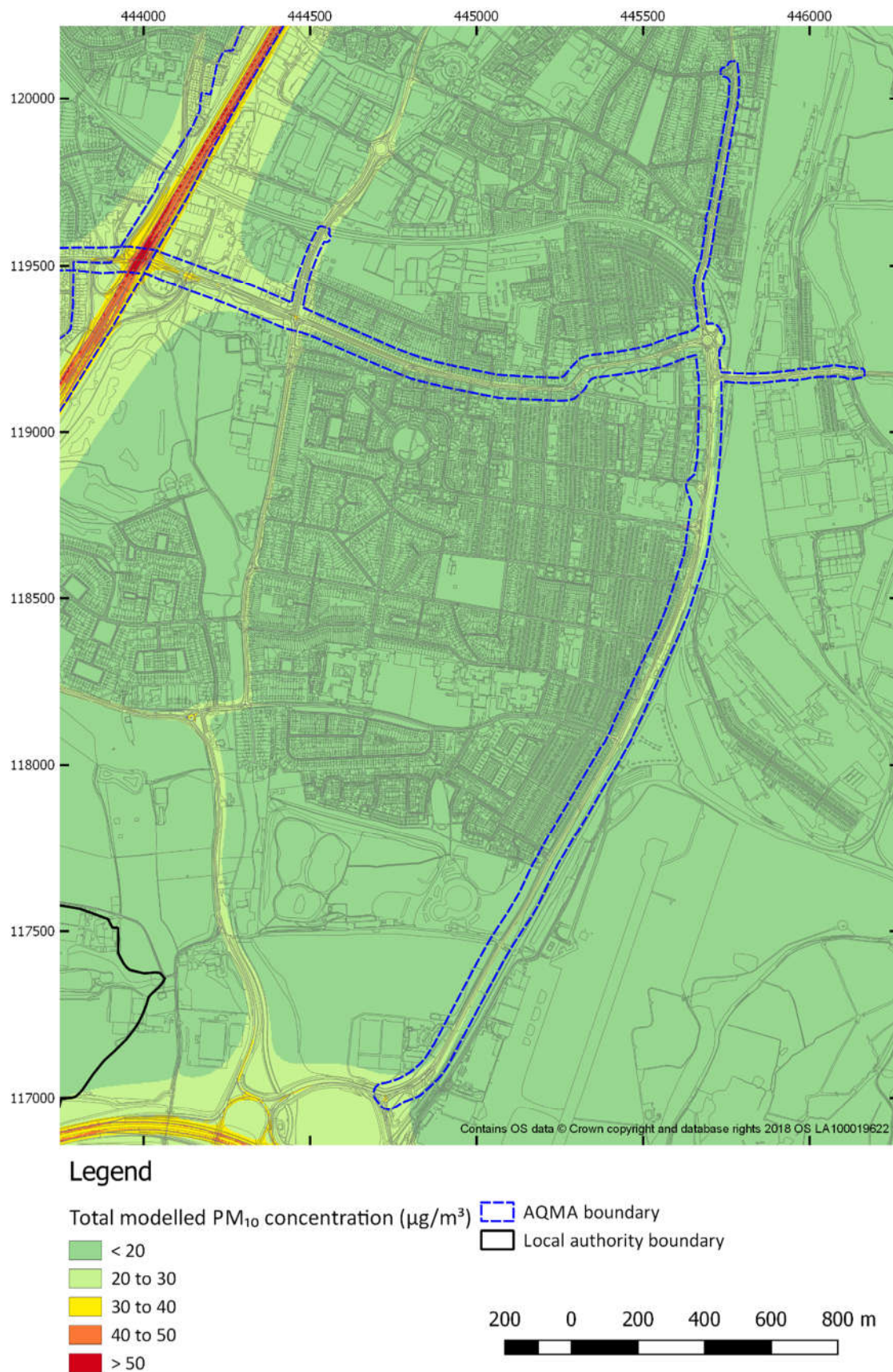
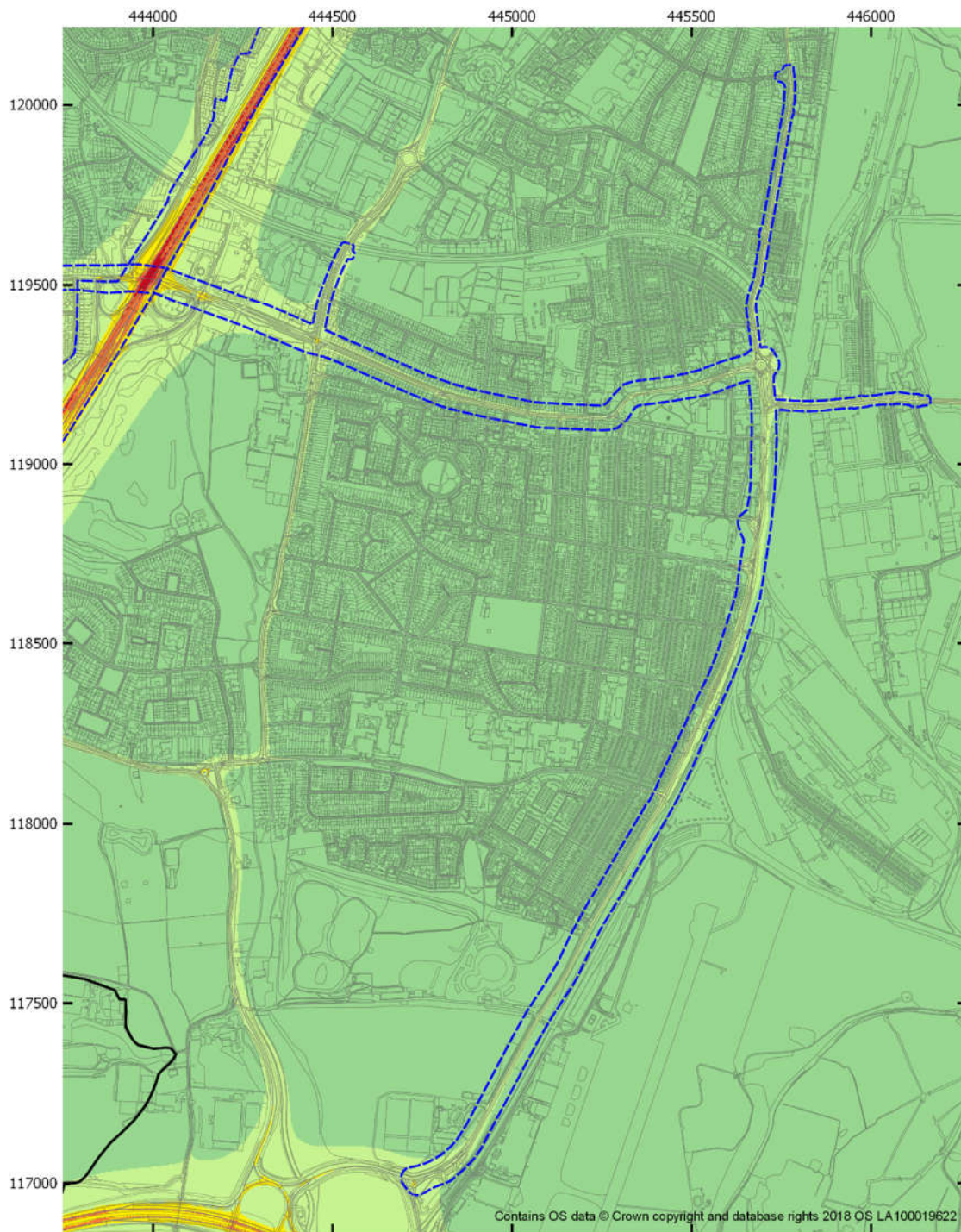


Figure 3-10 Annual mean PM₁₀ concentration model results for pseudo-2030 SGO D1 scenario AQMA No. 1 (A335 / Eastleigh) (East)



Legend

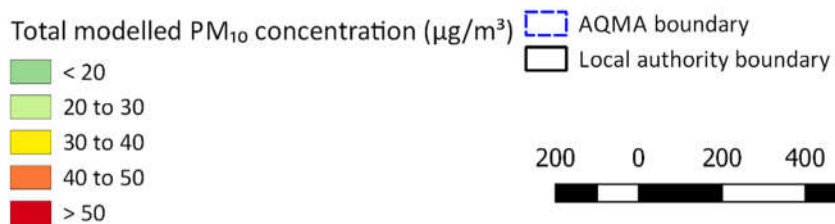
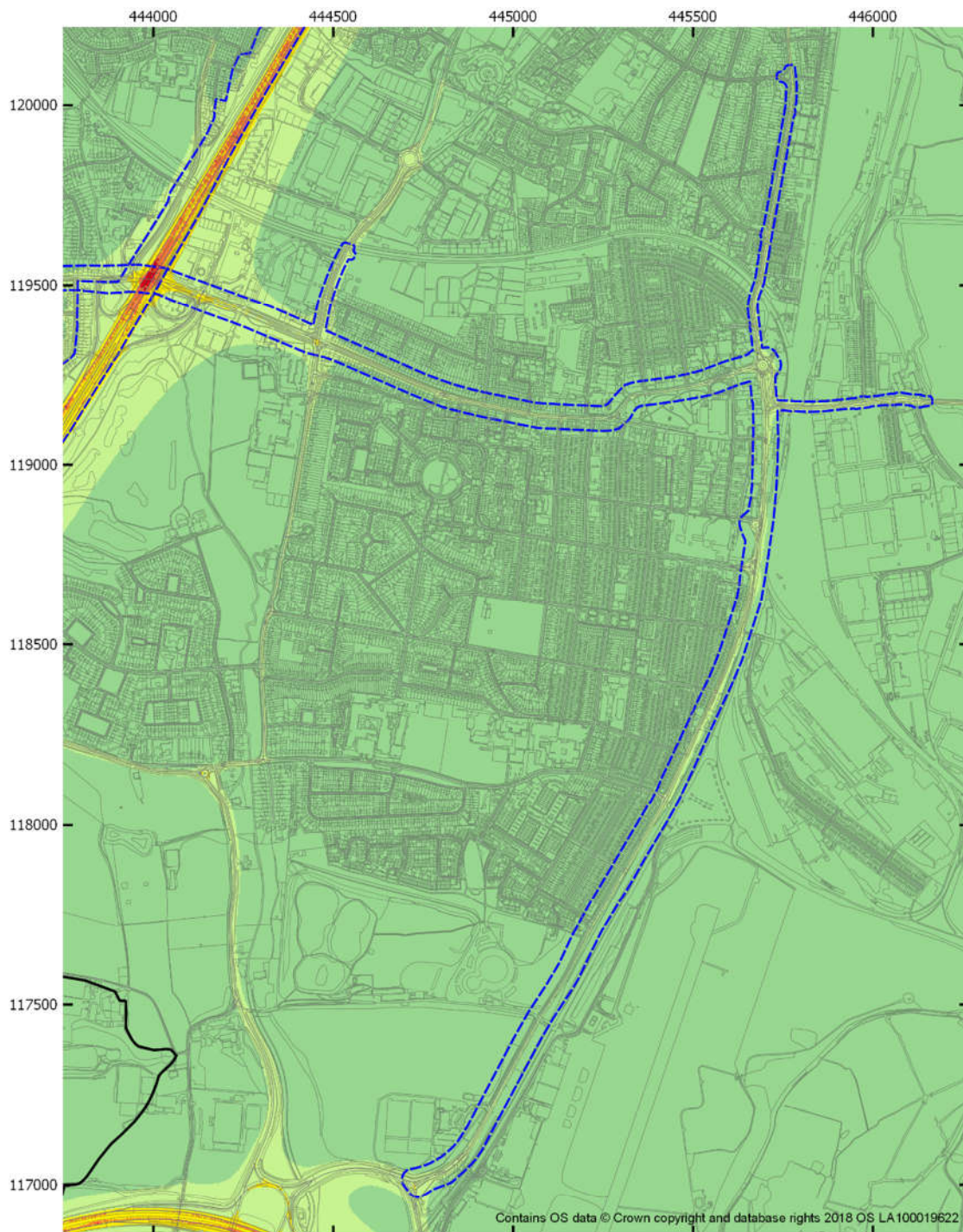


Figure 3-11 Annual mean PM₁₀ concentration model results for pseudo-2030 SGO D2 scenario AQMA No. 1 (A335 / Eastleigh) (East)



Legend

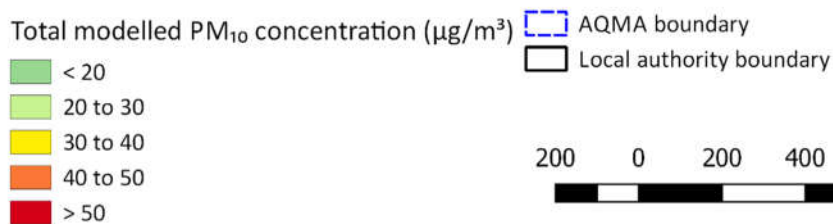
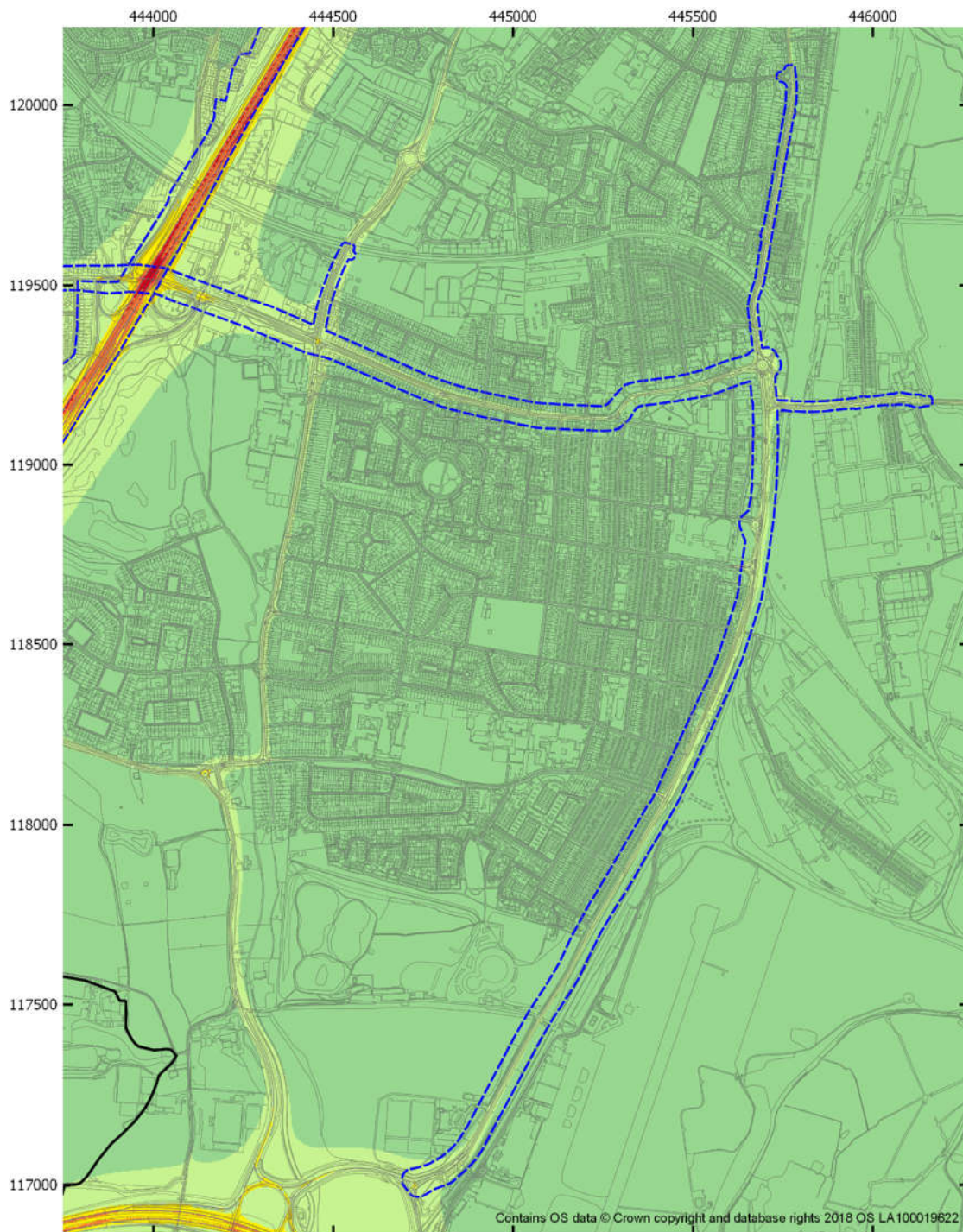


Figure 3-12 Annual mean PM₁₀ concentration model results for pseudo-2030 SGO E scenario AQMA No. 1 (A335 / Eastleigh) (East)



Legend

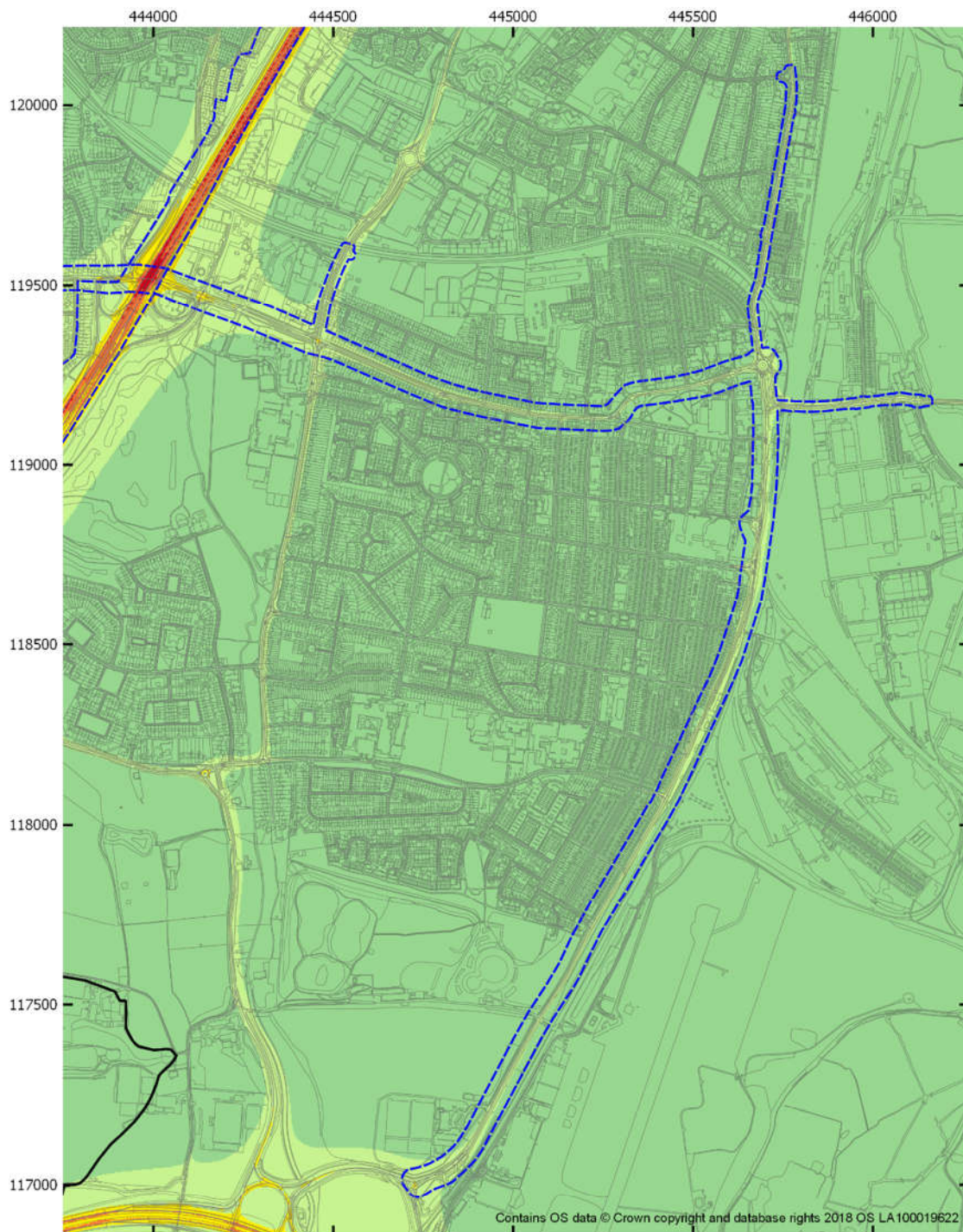
Total modelled PM₁₀ concentration (µg/m³)

- < 20
- 20 to 30
- 30 to 40
- 40 to 50
- > 50

— AQMA boundary

— Local authority boundary

200 0 200 400 600 800 m

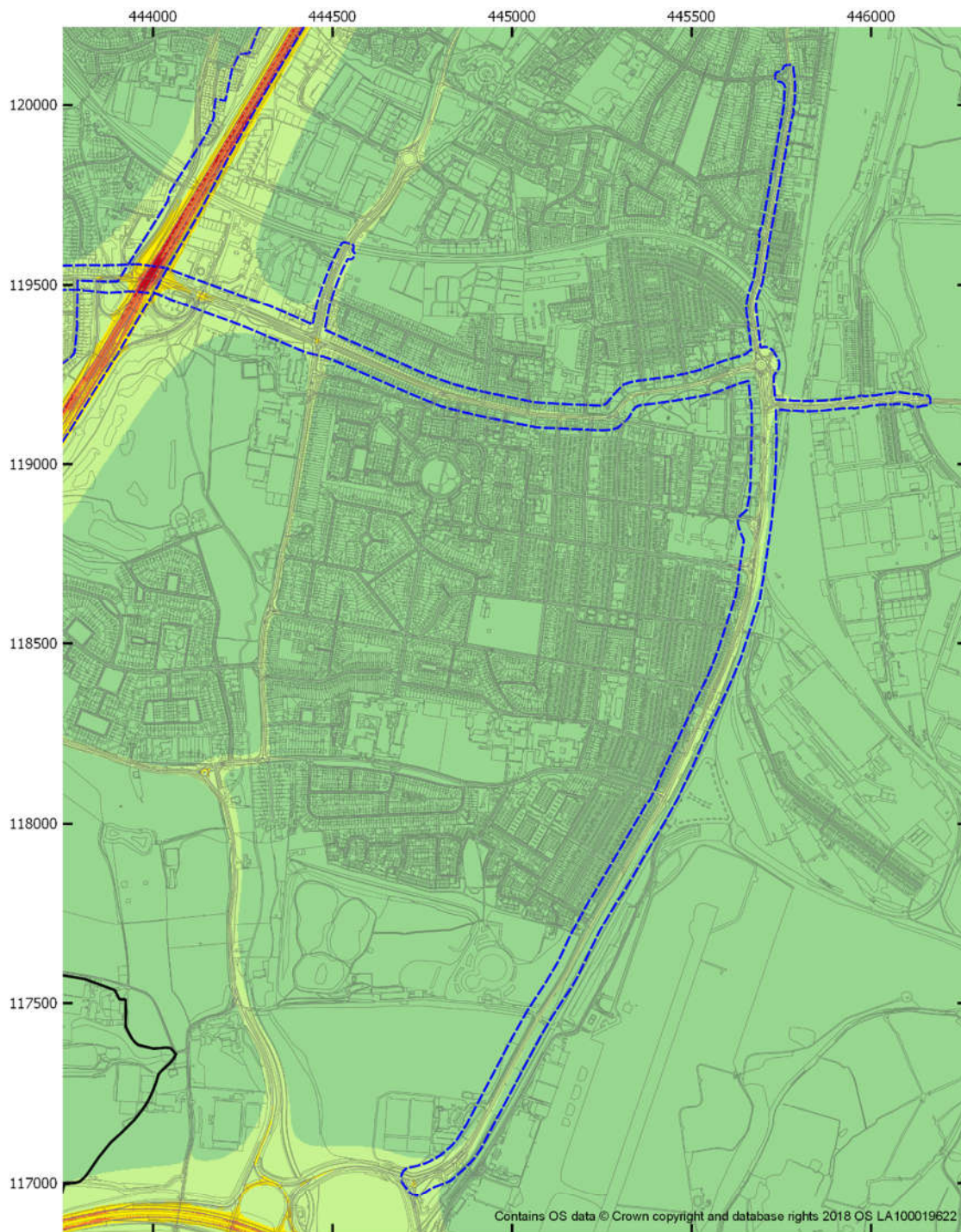
Figure 3-13 Annual mean PM₁₀ concentration model results for 2036 SGO C scenario AQMA No. 1 (A335 / Eastleigh) (East)**Legend**Total modelled PM₁₀ concentration (µg/m³)

- < 20
- 20 to 30
- 30 to 40
- 40 to 50
- > 50

AQMA boundary

Local authority boundary

200 0 200 400 600 800 m

Figure 3-14 Annual mean PM₁₀ concentration model results for 2036 SGO D1 scenario AQMA No. 1 (A335 / Eastleigh) (East)**Legend**Total modelled PM₁₀ concentration (µg/m³)

- < 20
- 20 to 30
- 30 to 40
- 40 to 50
- > 50

AQMA boundary

Local authority boundary

200 0 200 400 600 800 m

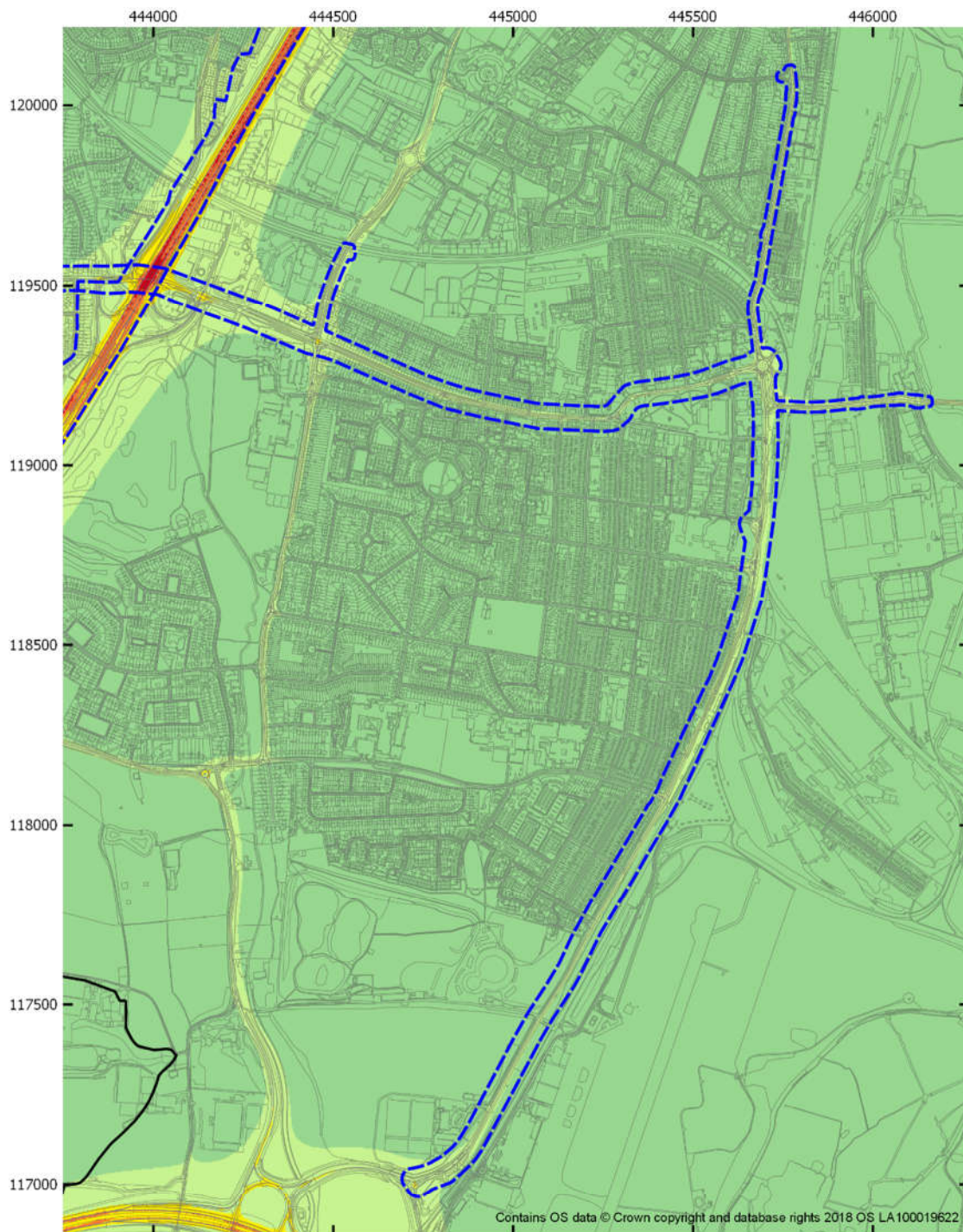
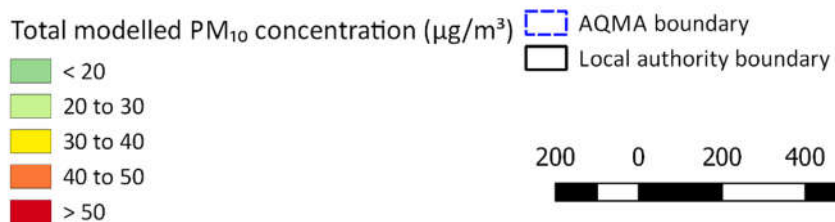
Figure 3-15 Annual mean PM₁₀ concentration model results for 2036 SGO D2 scenario AQMA No. 1 (A335 / Eastleigh) (East)**Legend**

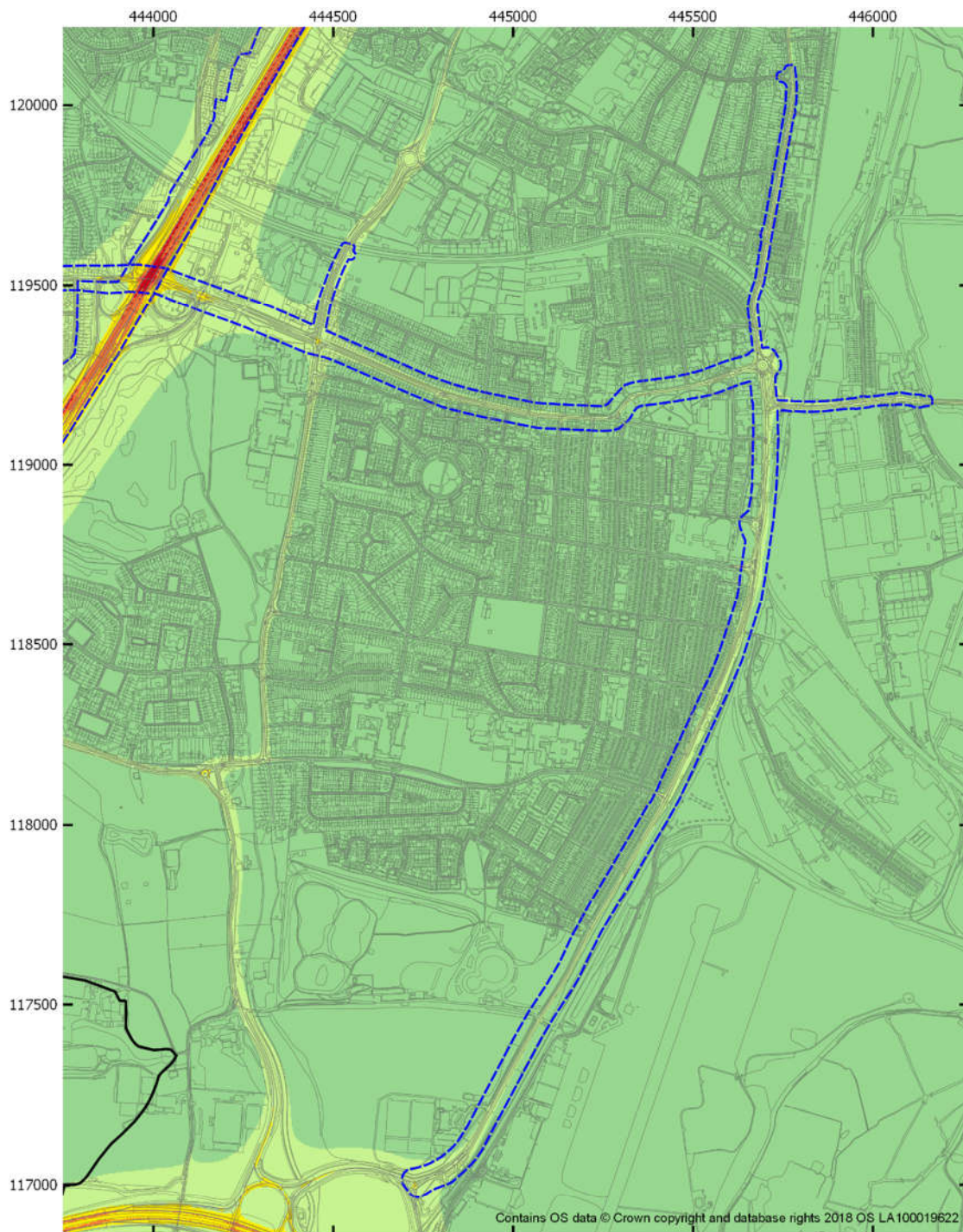
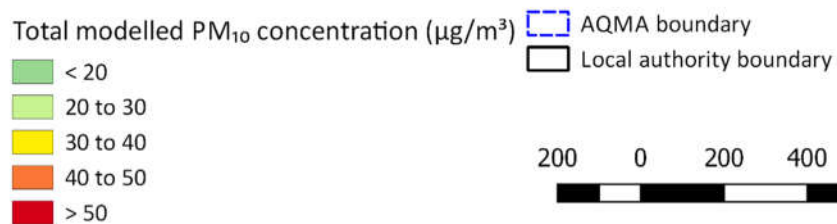
Figure 3-16 Annual mean PM₁₀ concentration model results for 2036 SGO E scenario AQMA No. 1 (A335 / Eastleigh) (East)**Legend**

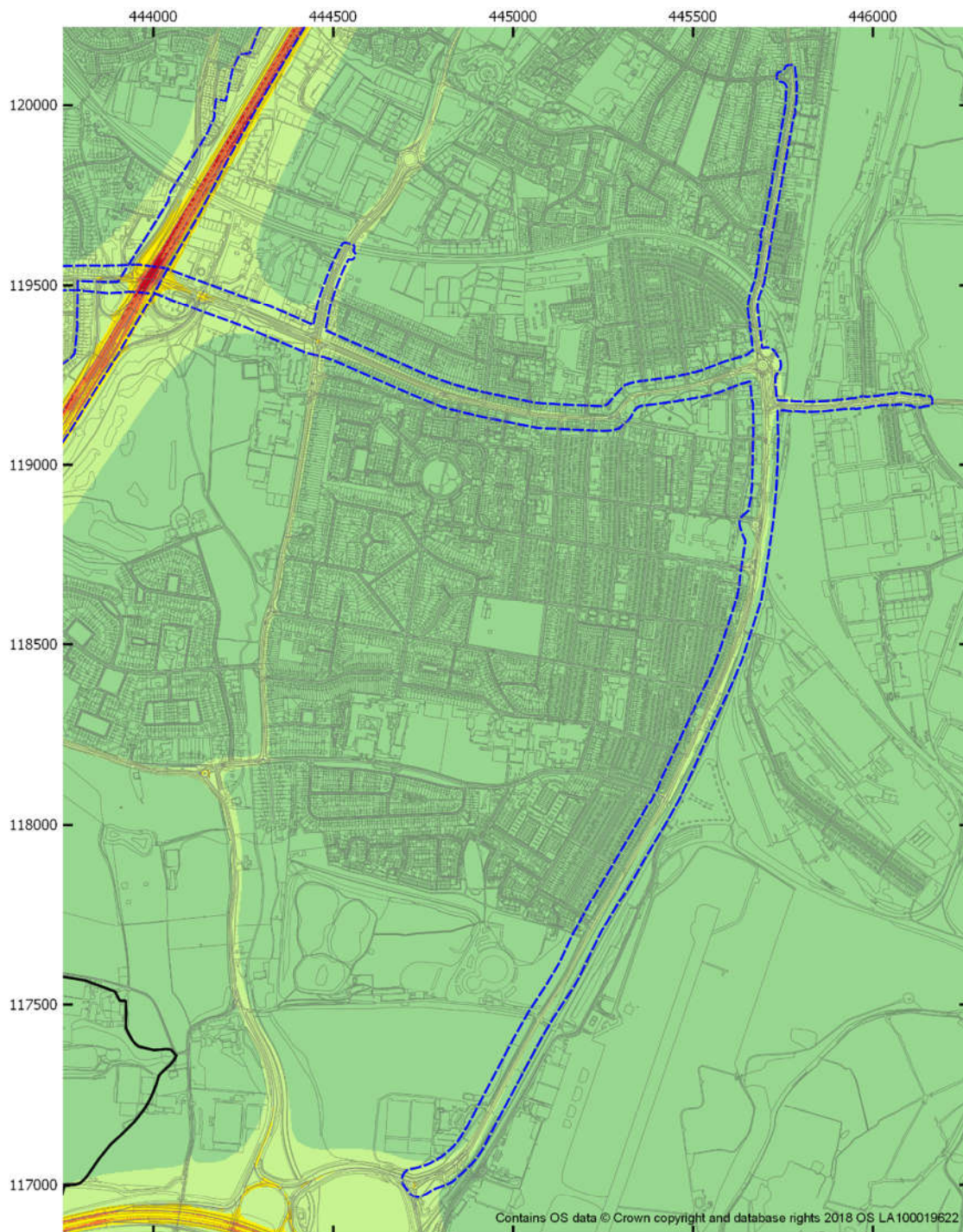
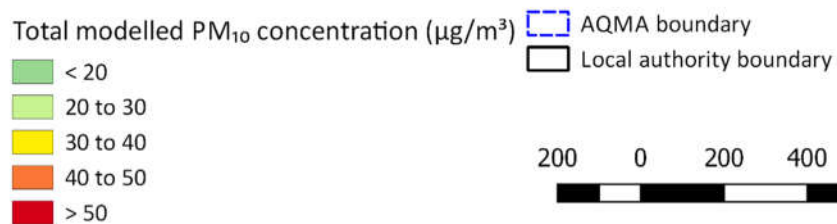
Figure 3-17 Annual mean PM₁₀ concentration model results for 2036 Baseline AQMA No. 1 (A335 / Eastleigh) (East)**Legend**

Figure 3-18 Annual mean PM₁₀ concentration model results for pseudo-2030 SGO C scenario AQMA No. 1 (A335 / Eastleigh) (West)



Figure 3-19 Annual mean PM₁₀ concentration model results for pseudo-2030 SGO D1 scenario AQMA No. 1 (A335 / Eastleigh) (West)



Legend

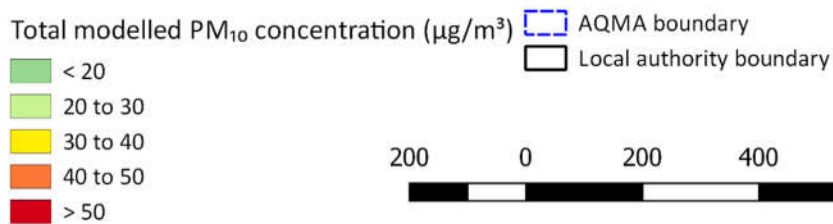


Figure 3-20 Annual mean PM₁₀ concentration model results for pseudo-2030 SGO D2 scenario AQMA No. 1 (A335 / Eastleigh) (West)



Legend

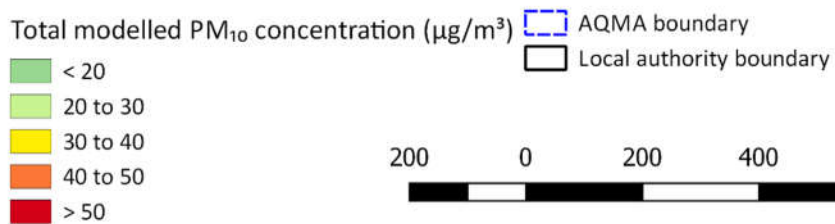


Figure 3-21 Annual mean PM₁₀ concentration model results for pseudo-2030 SGO E scenario AQMA No. 1 (A335 / Eastleigh) (West)



Legend

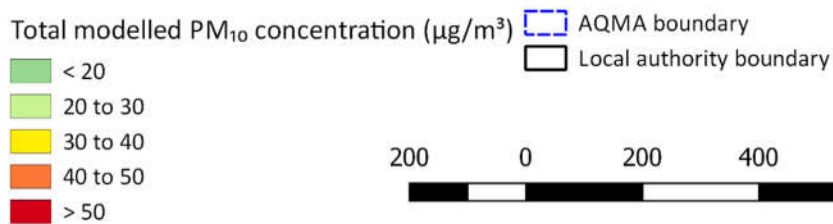


Figure 3-22 Annual mean PM₁₀ concentration model results for 2036 SGO C scenario AQMA No. 1 (A335 / Eastleigh) (West)

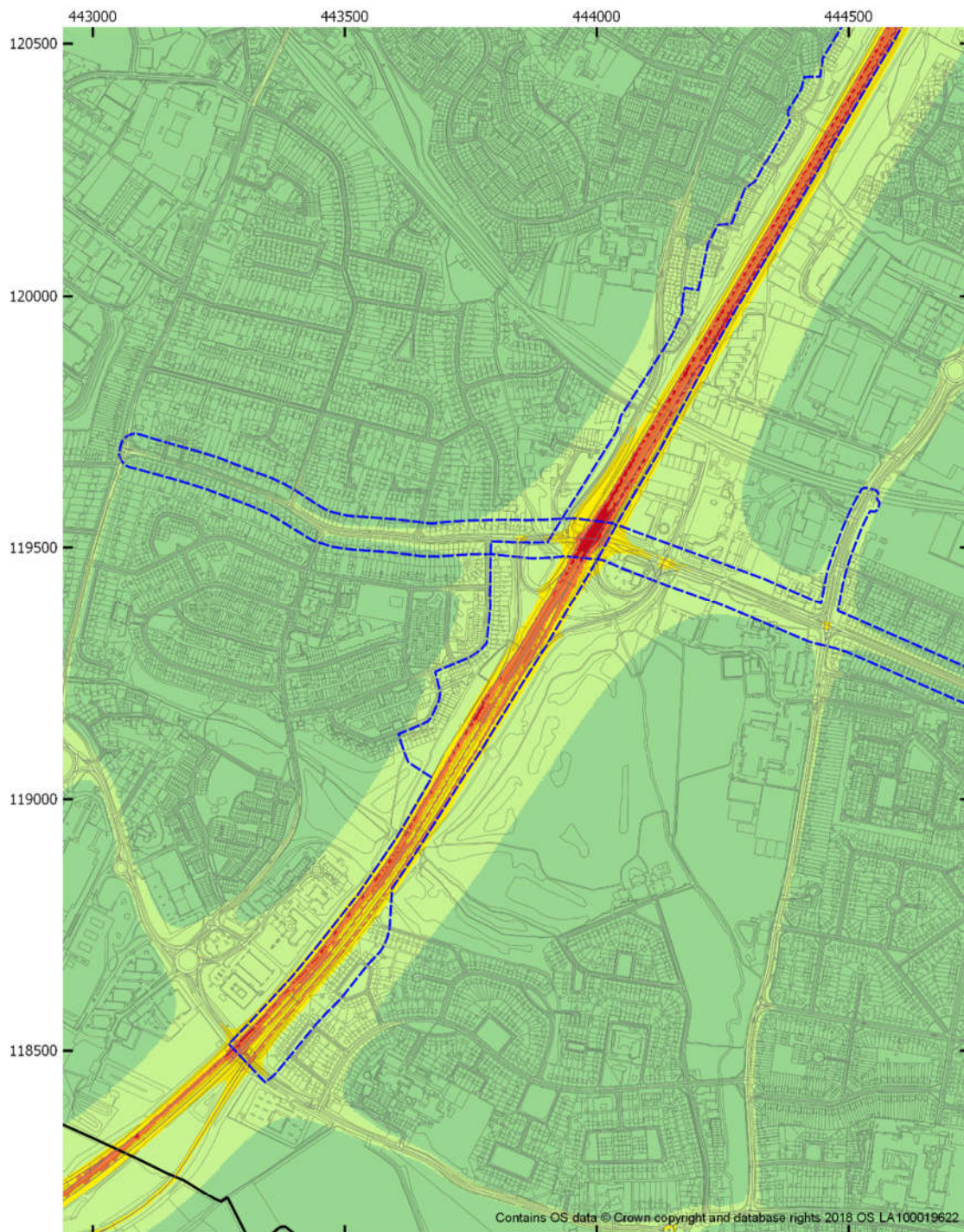
Figure 3-23 Annual mean PM₁₀ concentration model results for 2036 SGO D1 scenario AQMA No. 1 (A335 / Eastleigh) (West)

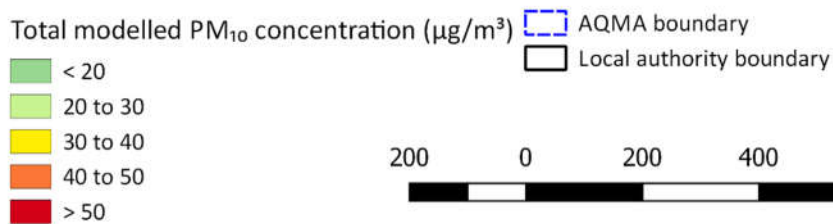
Figure 3-24 Annual mean PM₁₀ concentration model results for 2036 SGO D2 scenario AQMA No. 1 (A335 / Eastleigh) (West)**Legend**

Figure 3-25 Annual mean PM₁₀ concentration model results for 2036 SGO E scenario AQMA No. 1 (A335 / Eastleigh) (West)

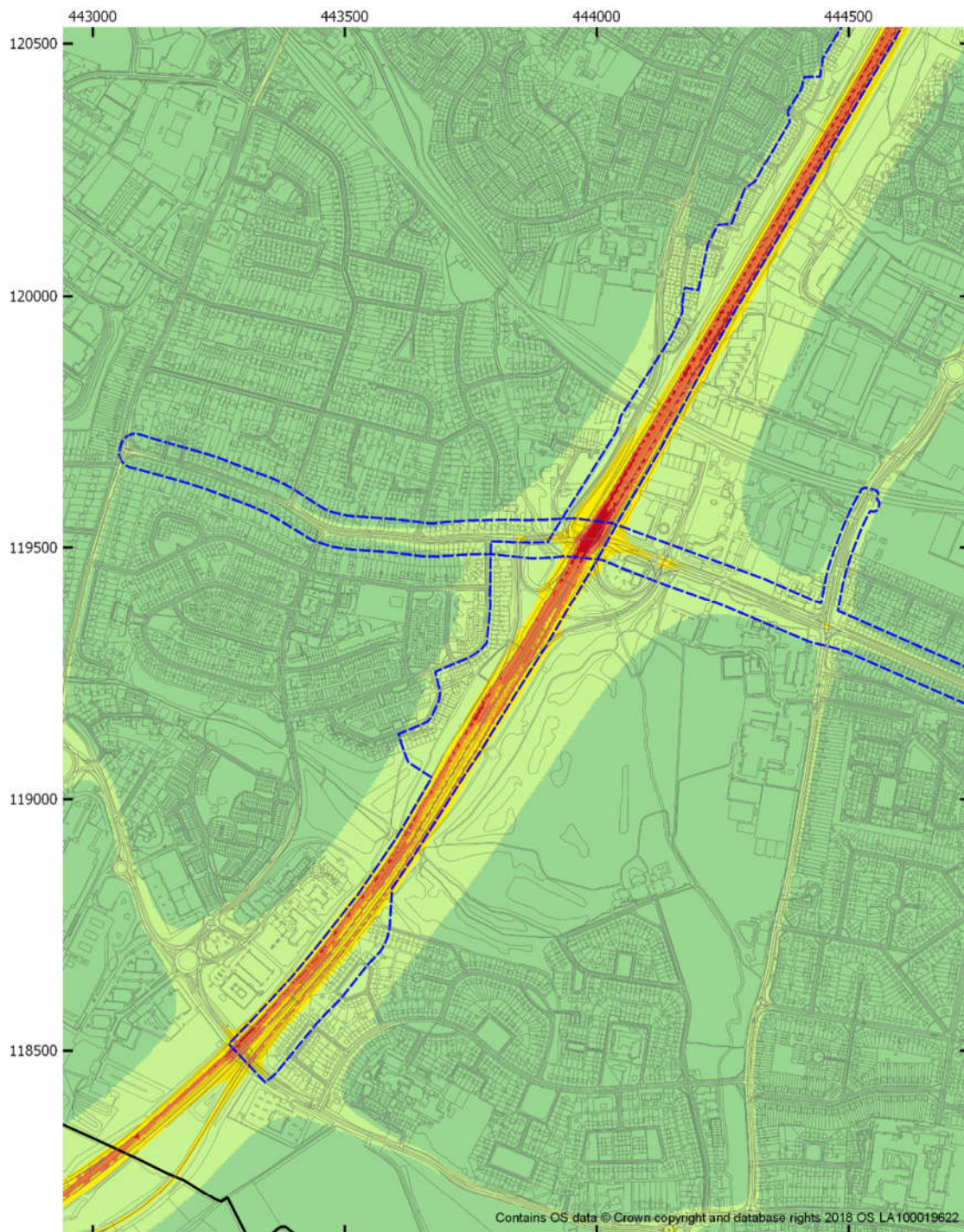
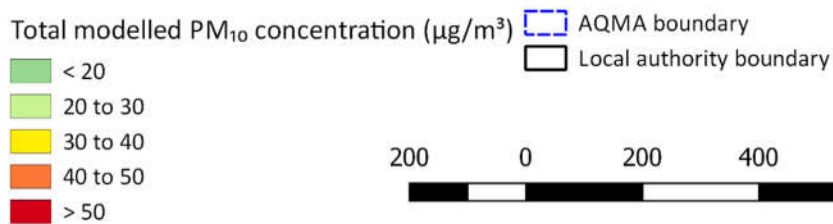
Figure 3-26 Annual mean PM₁₀ concentration model results for 2036 Baseline AQMA No. 1 (A335 / Eastleigh) (West)**Legend**

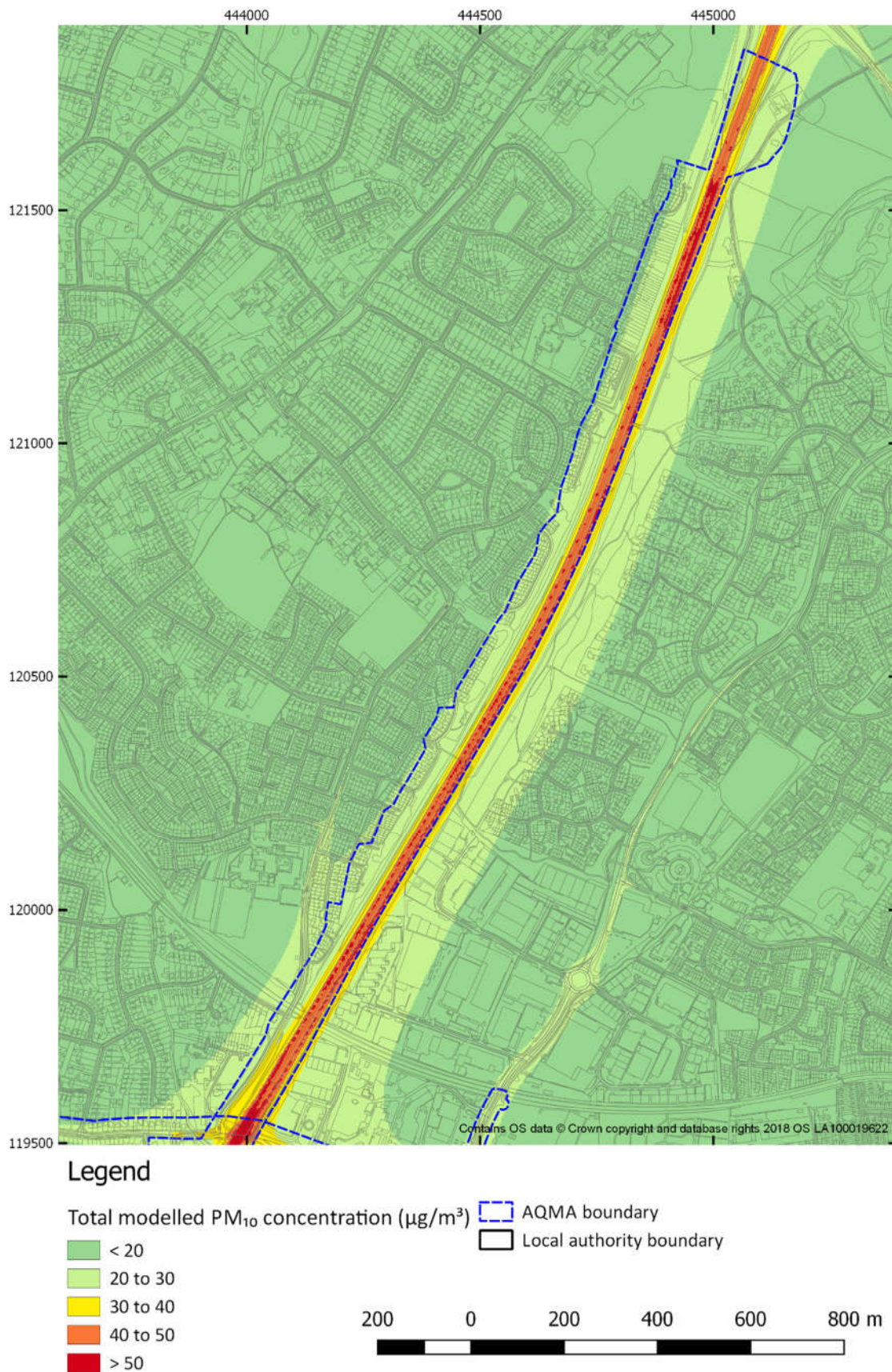
Figure 3-27 Annual mean PM₁₀ concentration model results for pseudo-2030 SGO C scenario AQMA No. 2 (M3) (North)

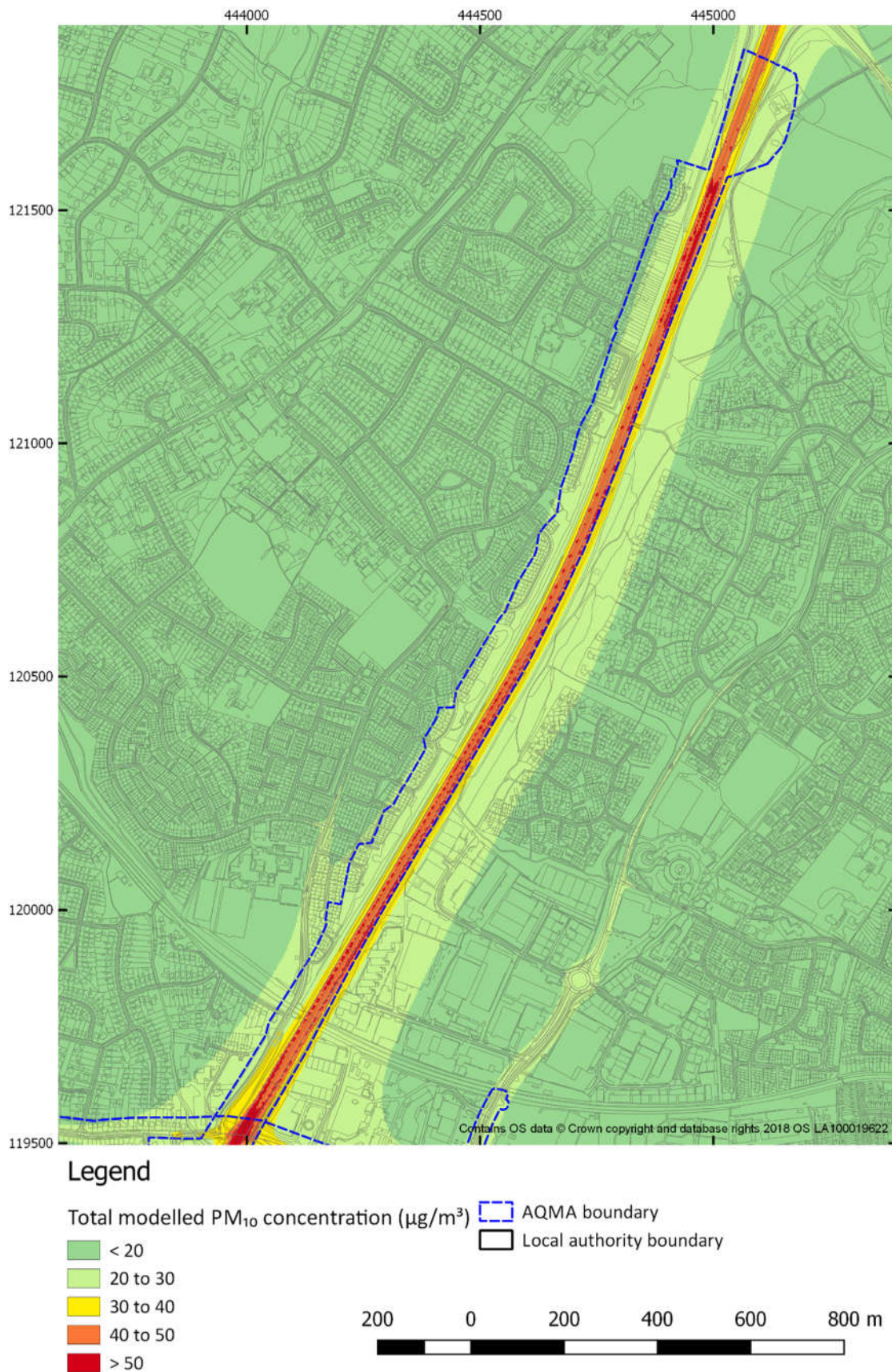
Figure 3-28 Annual mean PM₁₀ concentration model results for pseudo-2030 SGO D1 scenario AQMA No. 2 (M3) (North)

Figure 3-29 Annual mean PM₁₀ concentration model results for pseudo-2030 SGO D2 scenario AQMA No. 2 (M3) (North)

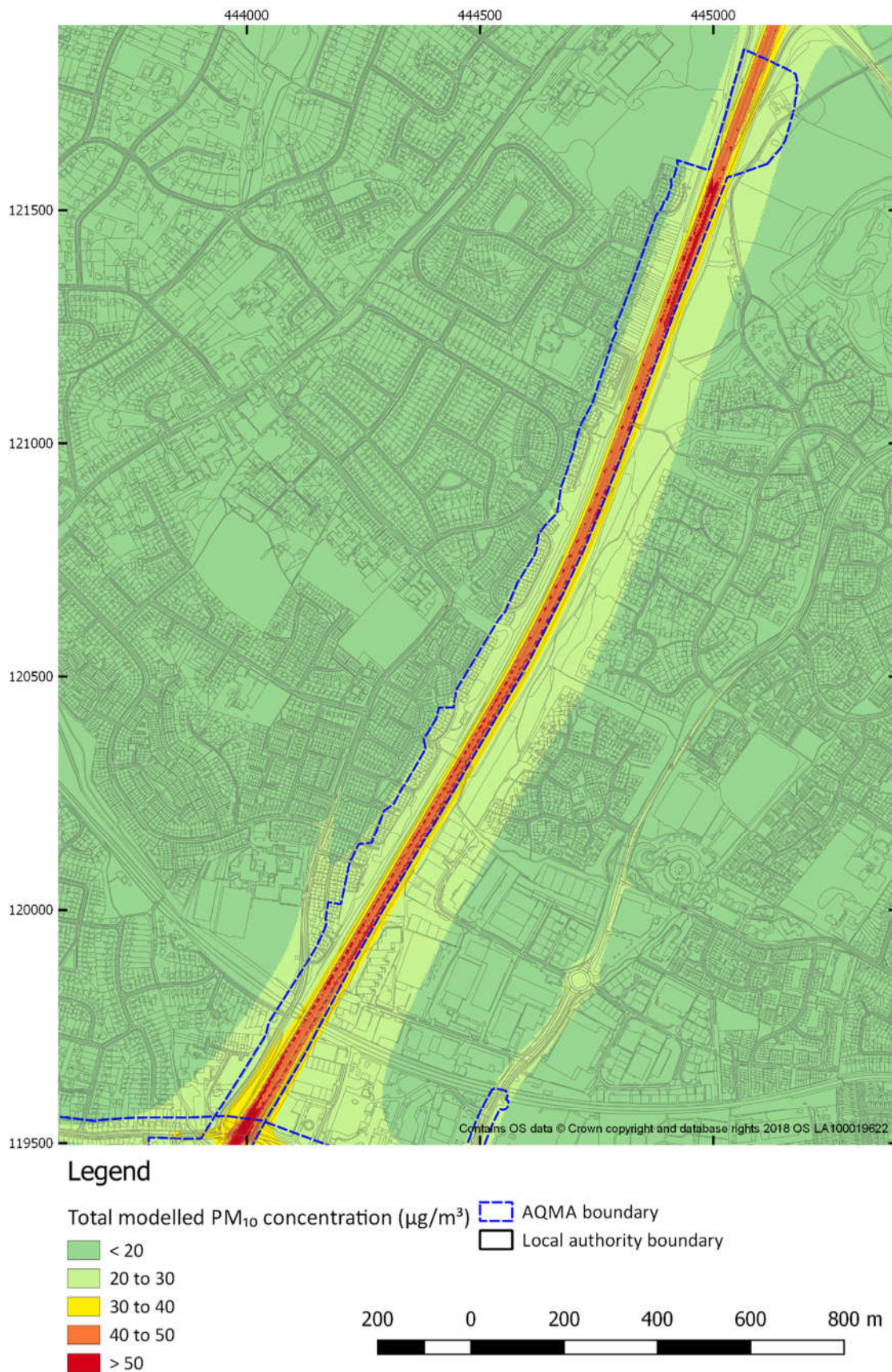
Figure 3-30 Annual mean PM₁₀ concentration model results for pseudo-2030 SGO E scenario AQMA No. 2 (M3) (North)

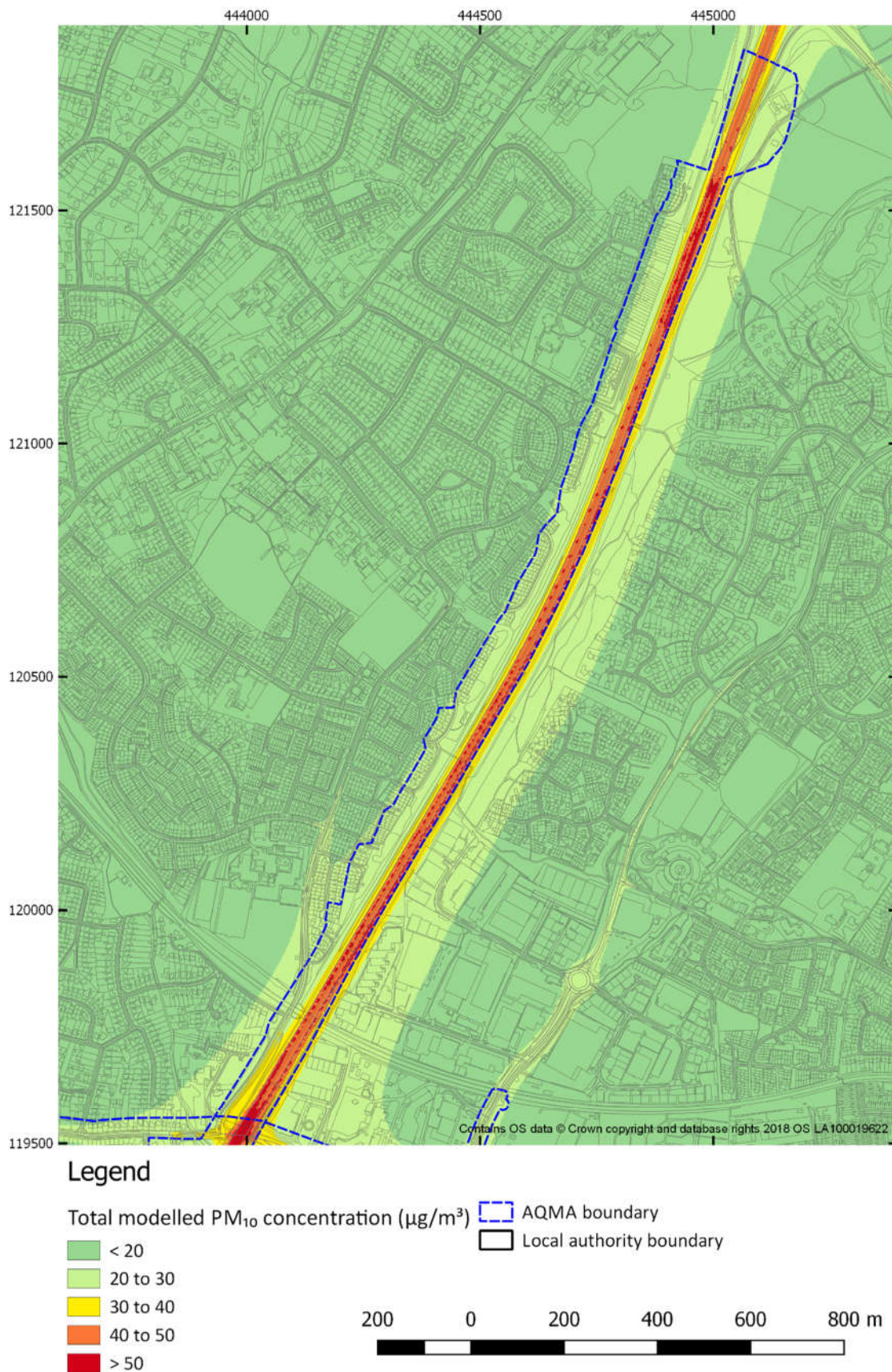
Figure 3-31 Annual mean PM₁₀ concentration model results for 2036 SGO C scenario AQMA No. 2 (M3) (North)

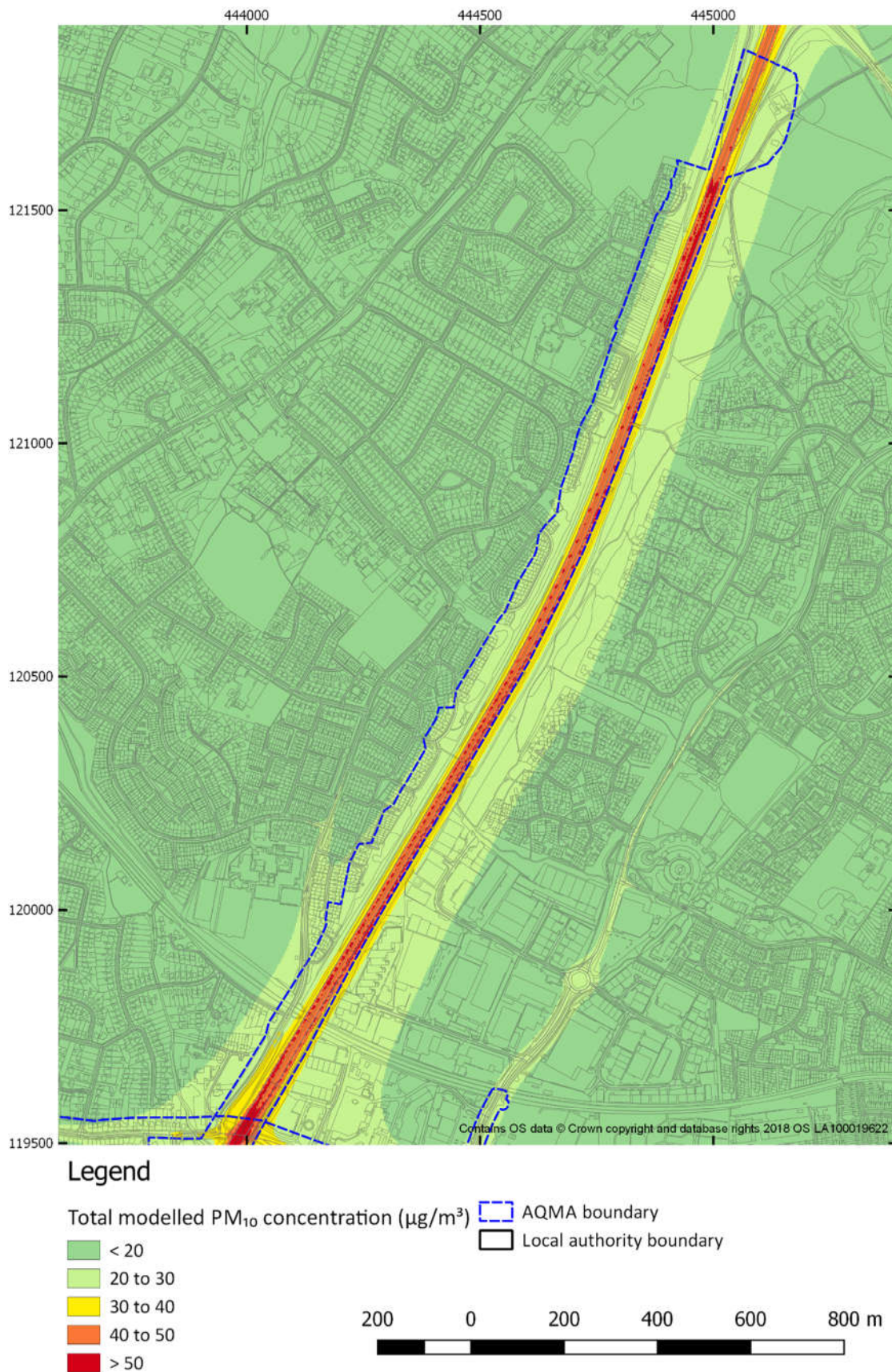
Figure 3-32 Annual mean PM₁₀ concentration model results for 2036 SGO D1 scenario AQMA No. 2 (M3) (North)

Figure 3-33 Annual mean PM₁₀ concentration model results for 2036 SGO D2 scenario AQMA No. 2 (M3) (North)

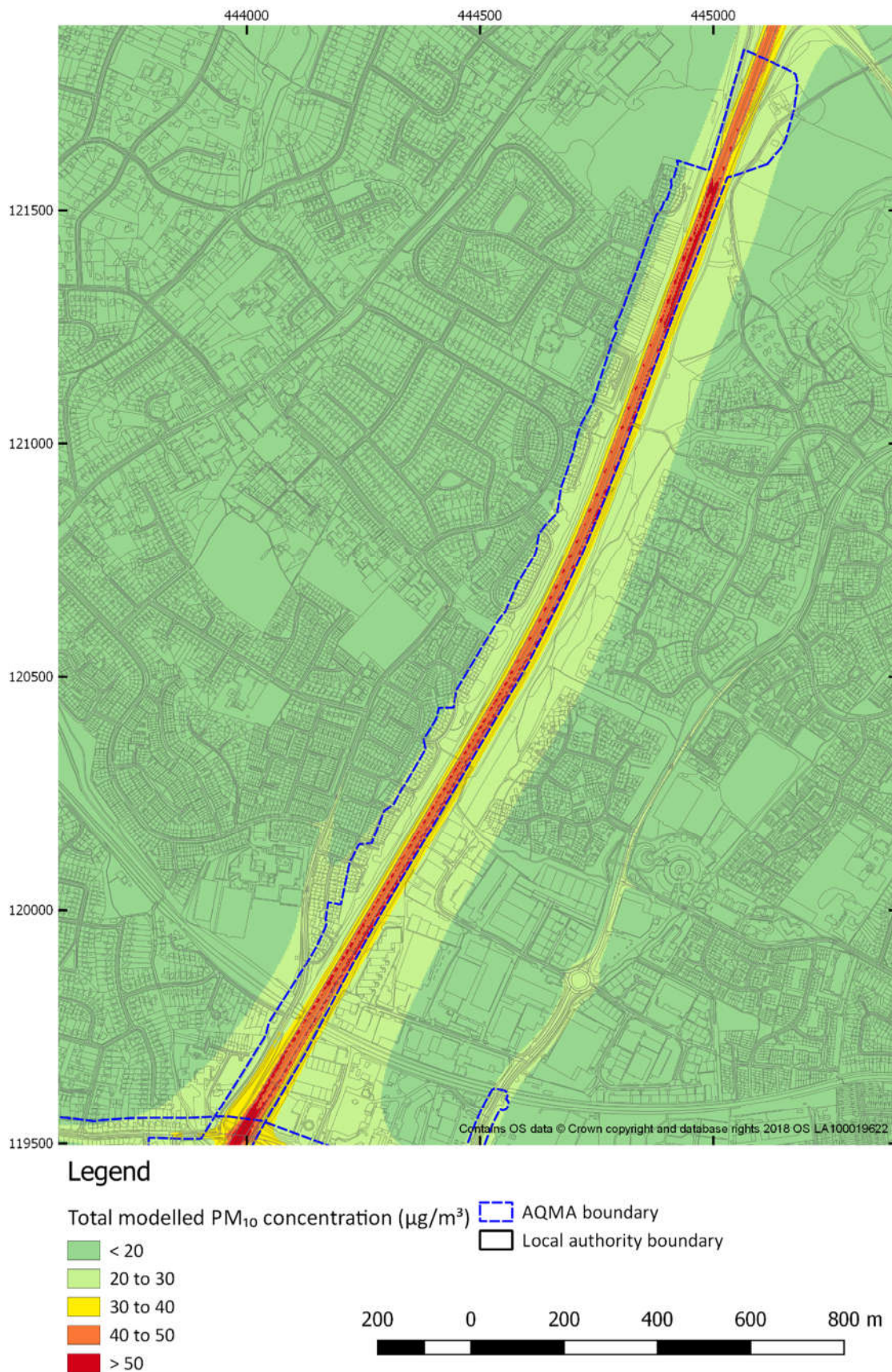
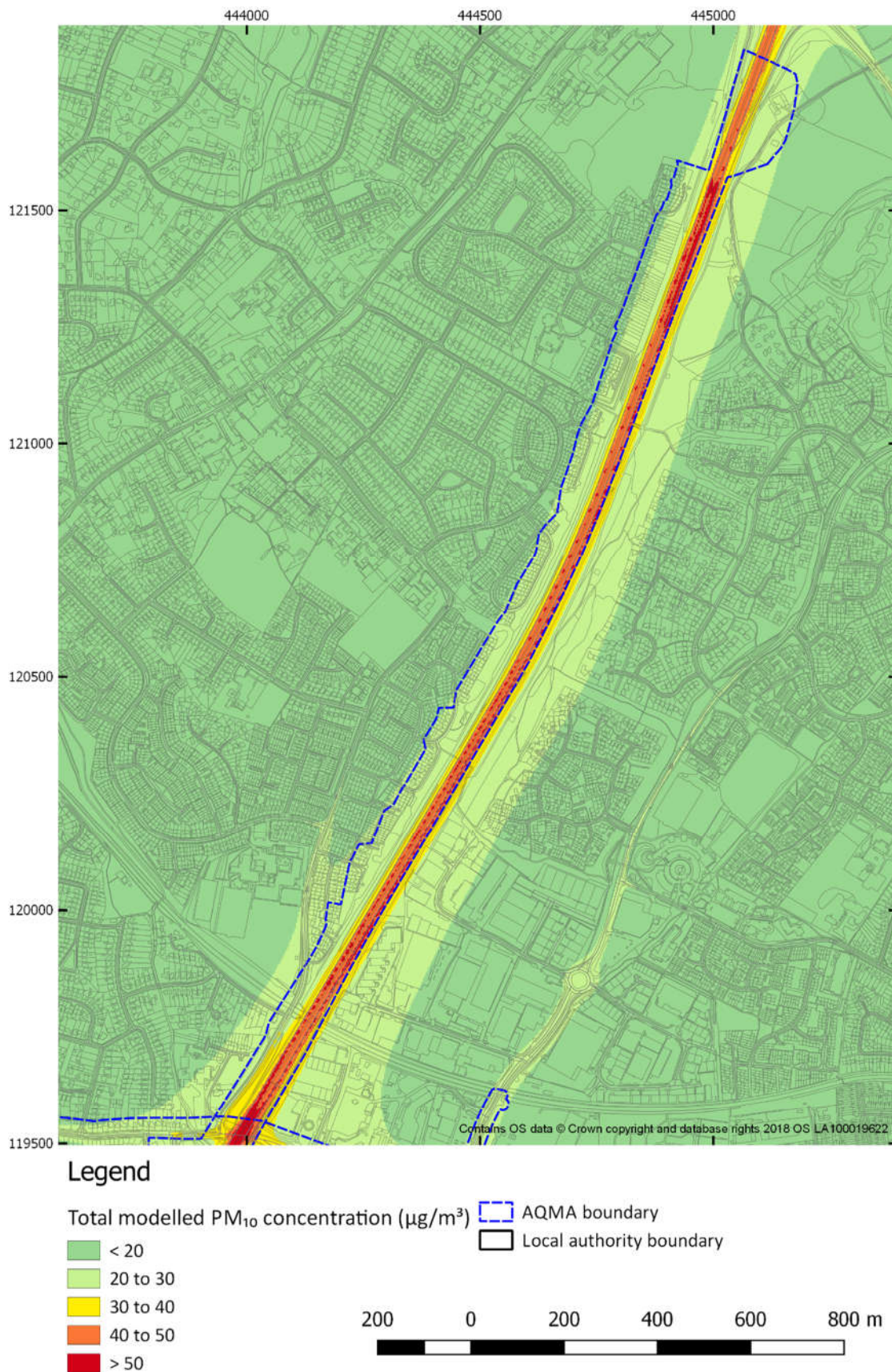
Figure 3-34 Annual mean PM₁₀ concentration model results for 2036 SGO E scenario AQMA No. 2 (M3) (North)

Figure 3-35 Annual mean PM₁₀ concentration model results for 2036 Baseline AQMA No. 2 (M3) (North)

3.3 AQMA 3

Figure 3-36 Annual mean PM₁₀ concentration model results for pseudo-2030 SGO C scenario AQMA No. 3 (Hamble Lane)

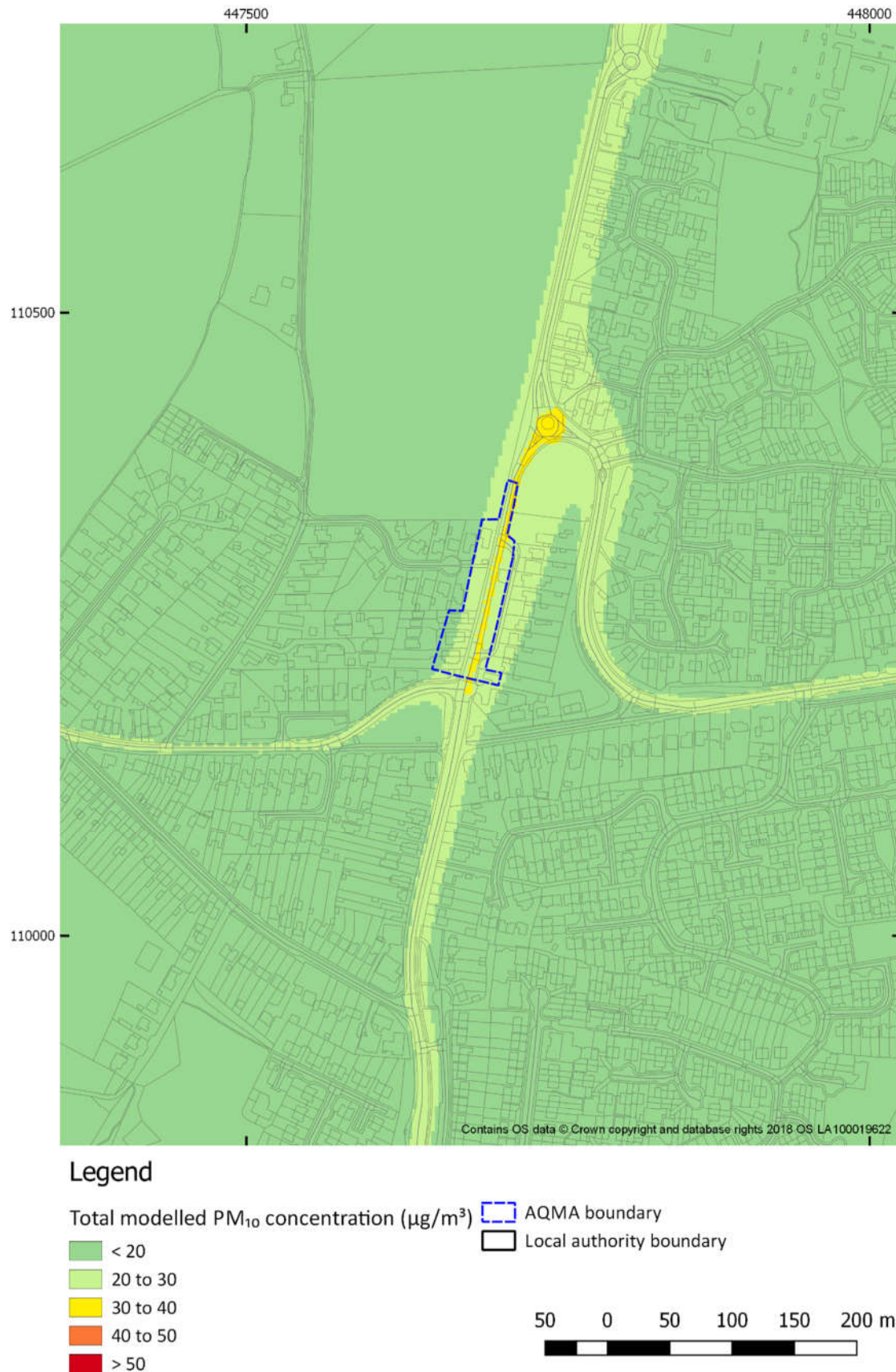
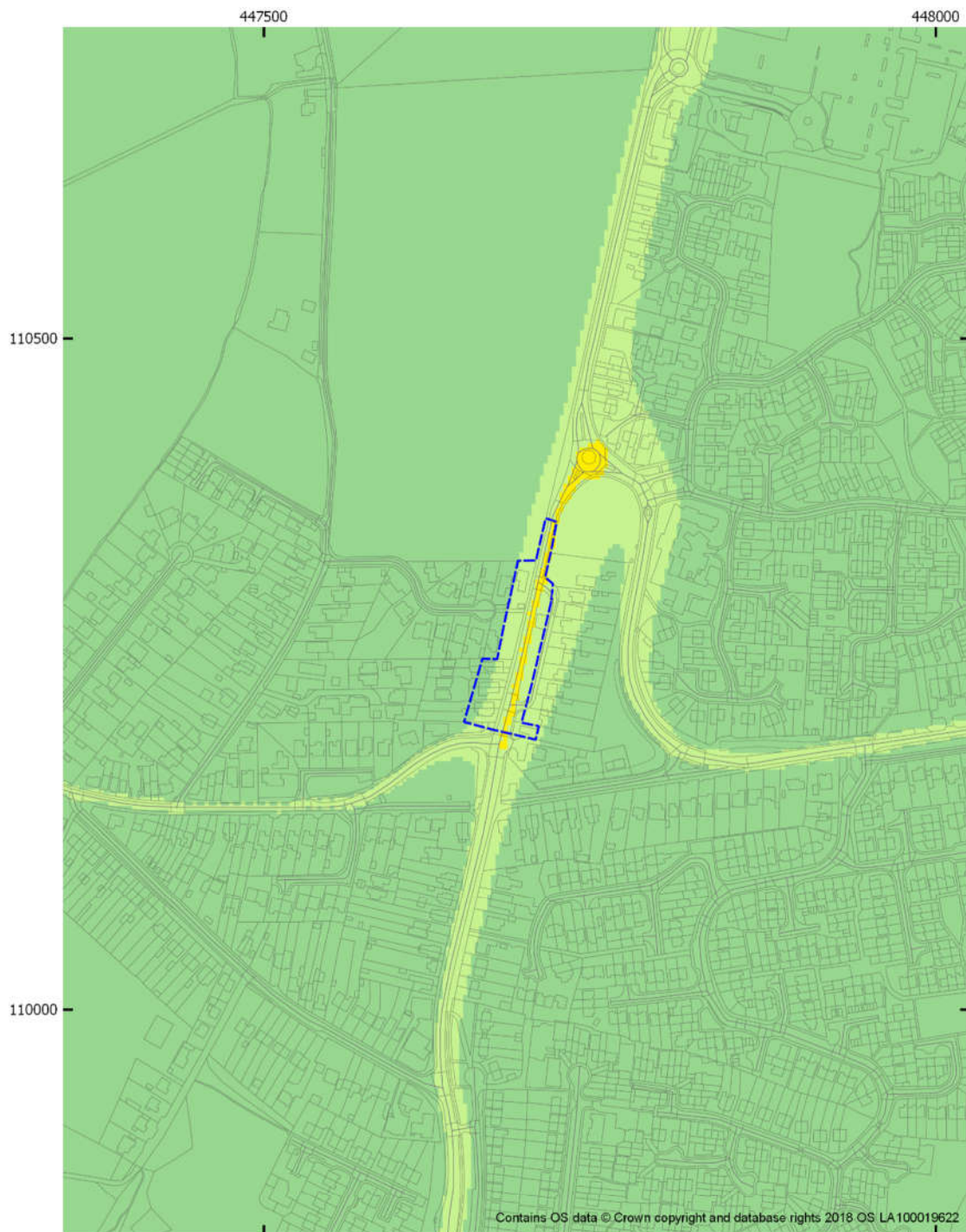


Figure 3-37 Annual mean PM₁₀ concentration model results for pseudo-2030 SGO D1 scenario AQMA No. 3 (Hamble Lane)



Legend

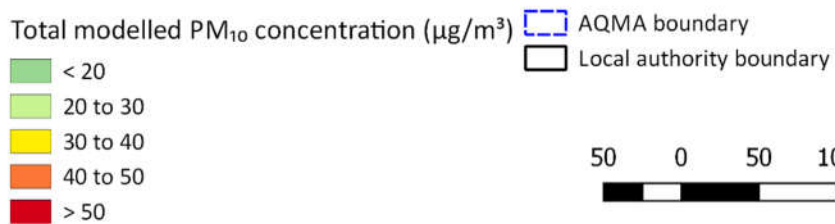


Figure 3-38 Annual mean PM₁₀ concentration model results for pseudo-2030 SGO D2 scenario AQMA No. 3 (Hamble Lane)

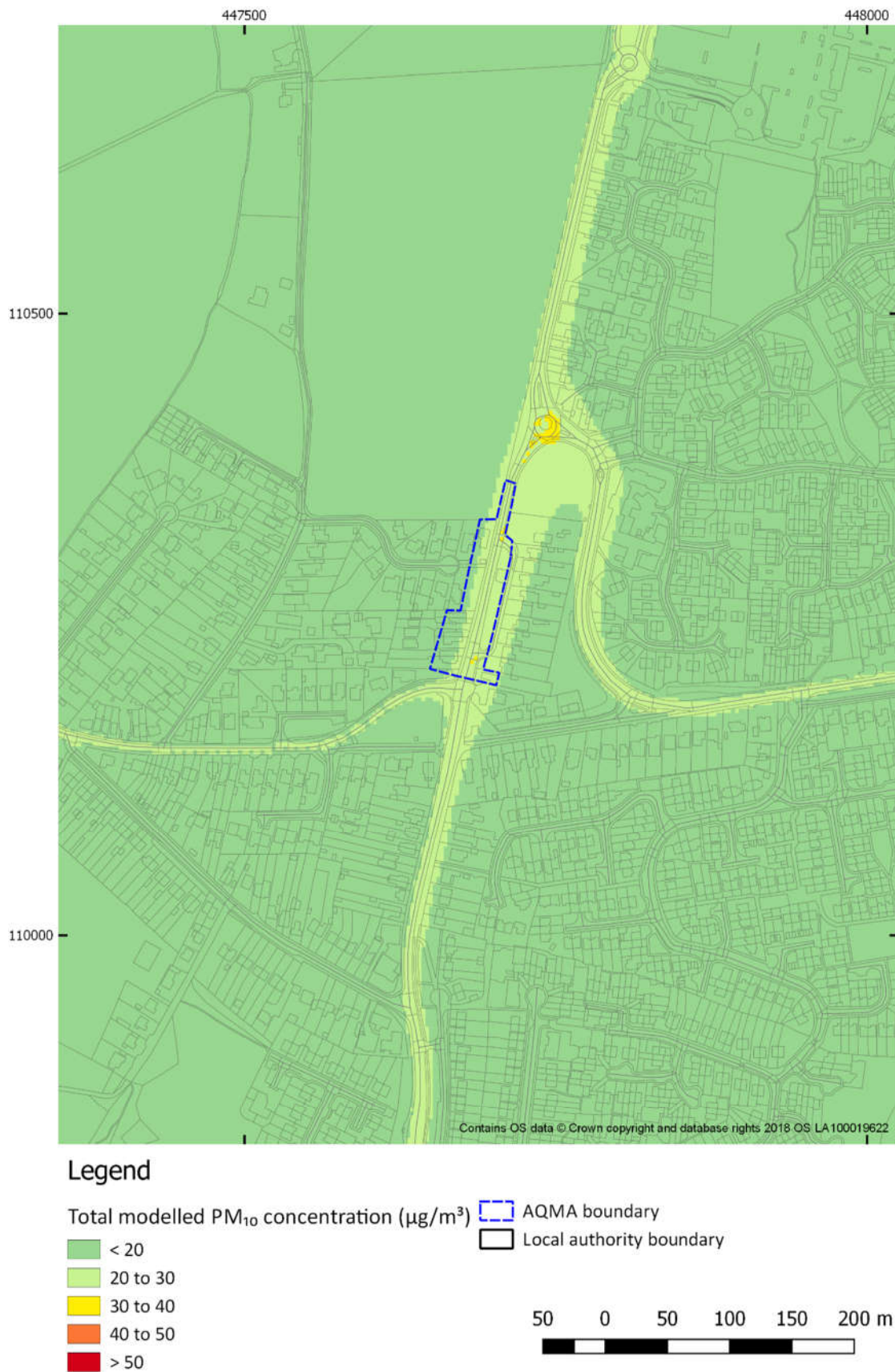


Figure 3-39 Annual mean PM₁₀ concentration model results for pseudo-2030 SGO E scenario AQMA No. 3 (Hamble Lane)

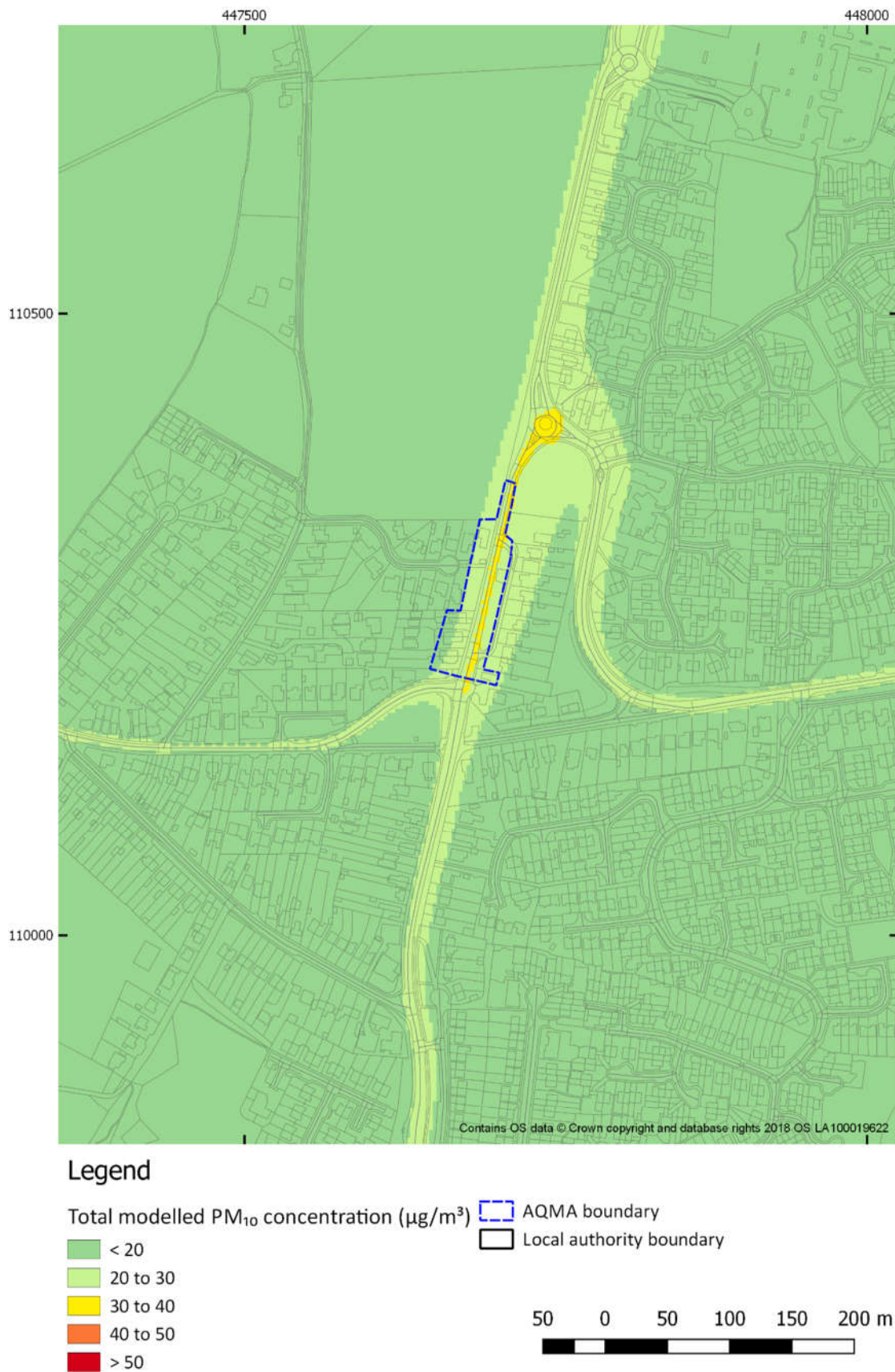


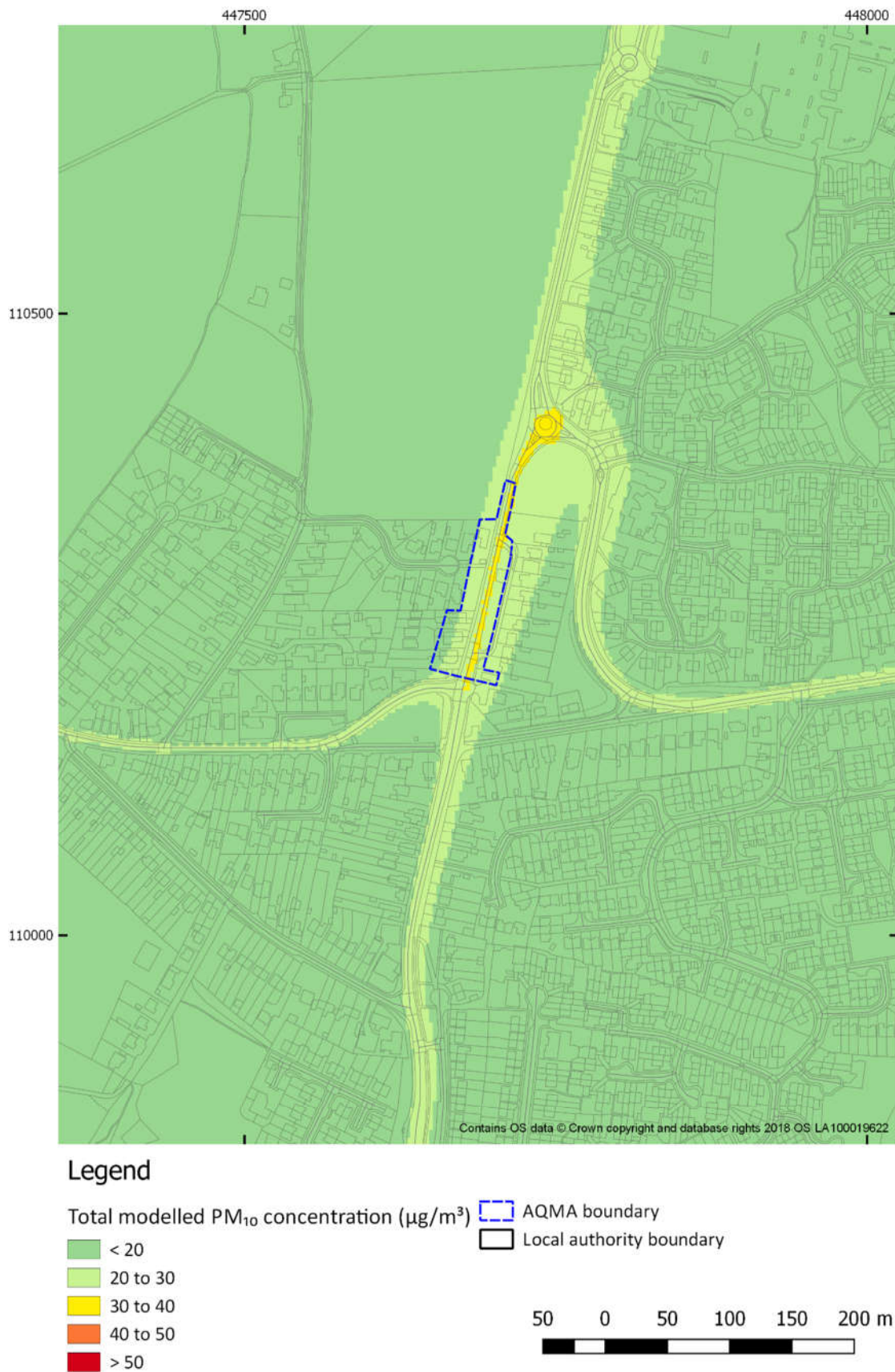
Figure 3-40 Annual mean PM₁₀ concentration model results for 2036 SGO C scenario AQMA No. 3 (Hamble Lane)

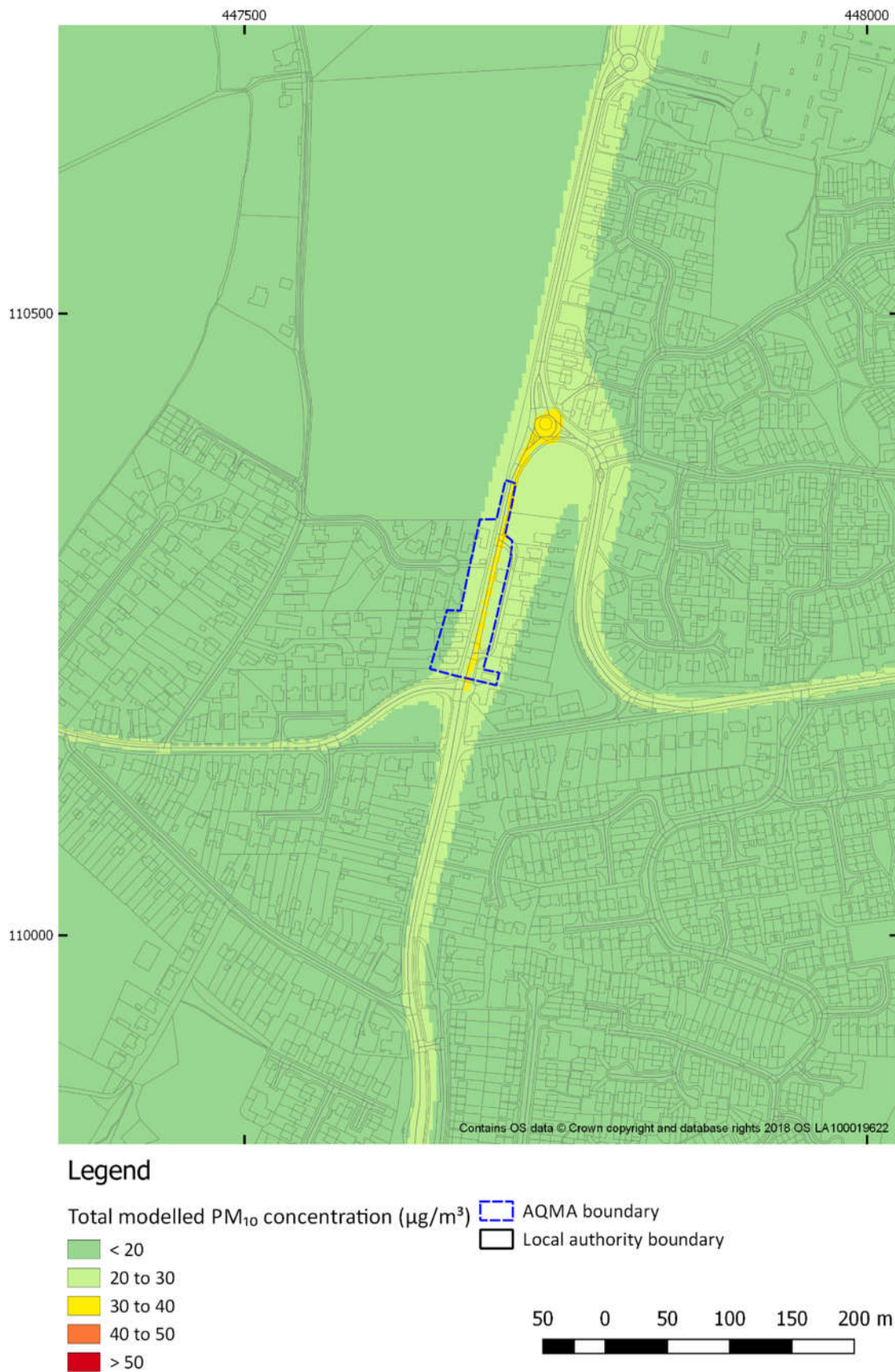
Figure 3-41 Annual mean PM₁₀ concentration model results for 2036 SGO D1 scenario AQMA No. 3 (Hamble Lane)

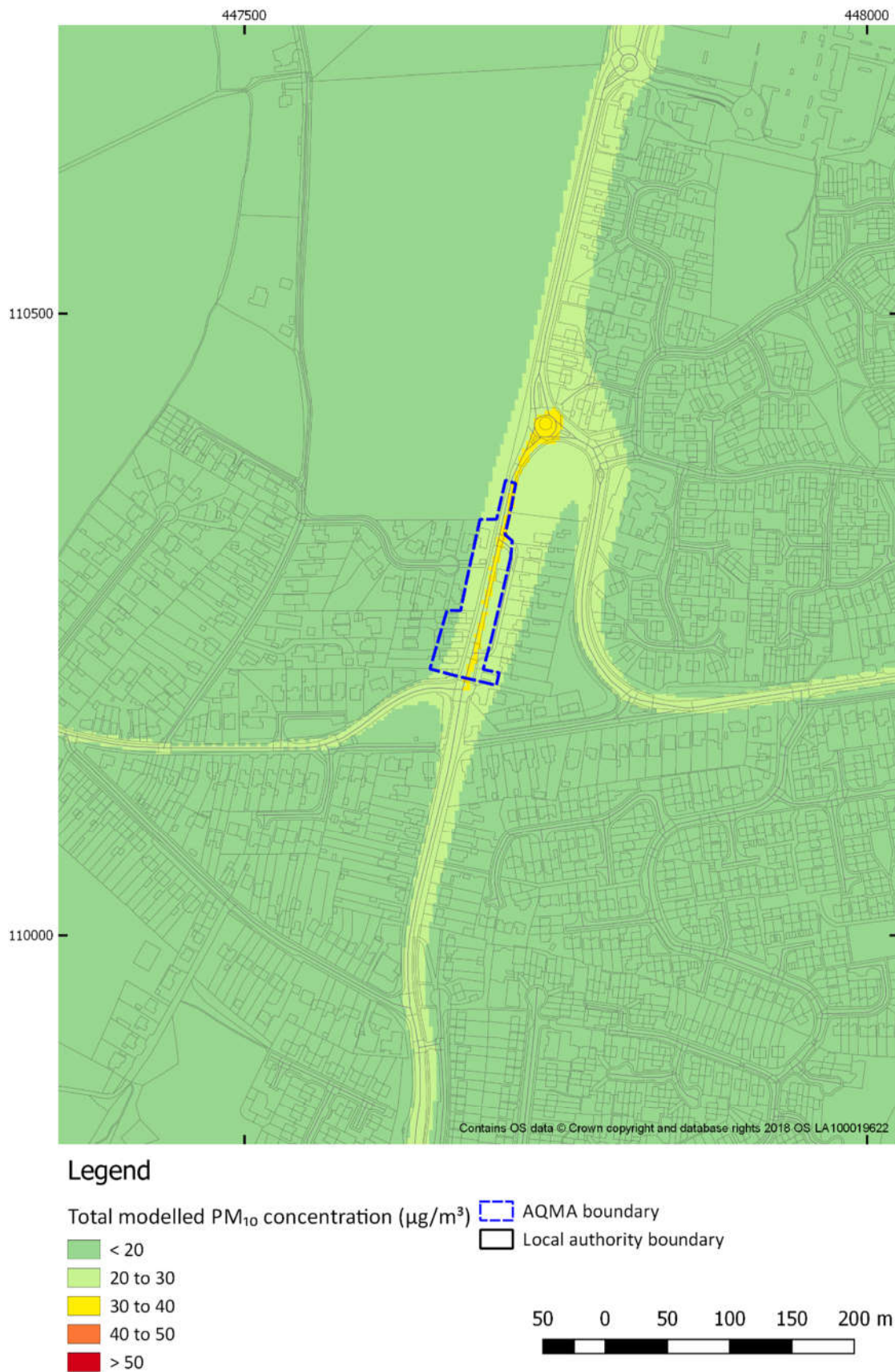
Figure 3-42 Annual mean PM₁₀ concentration model results for 2036 SGO D2 scenario AQMA No. 3 (Hamble Lane)

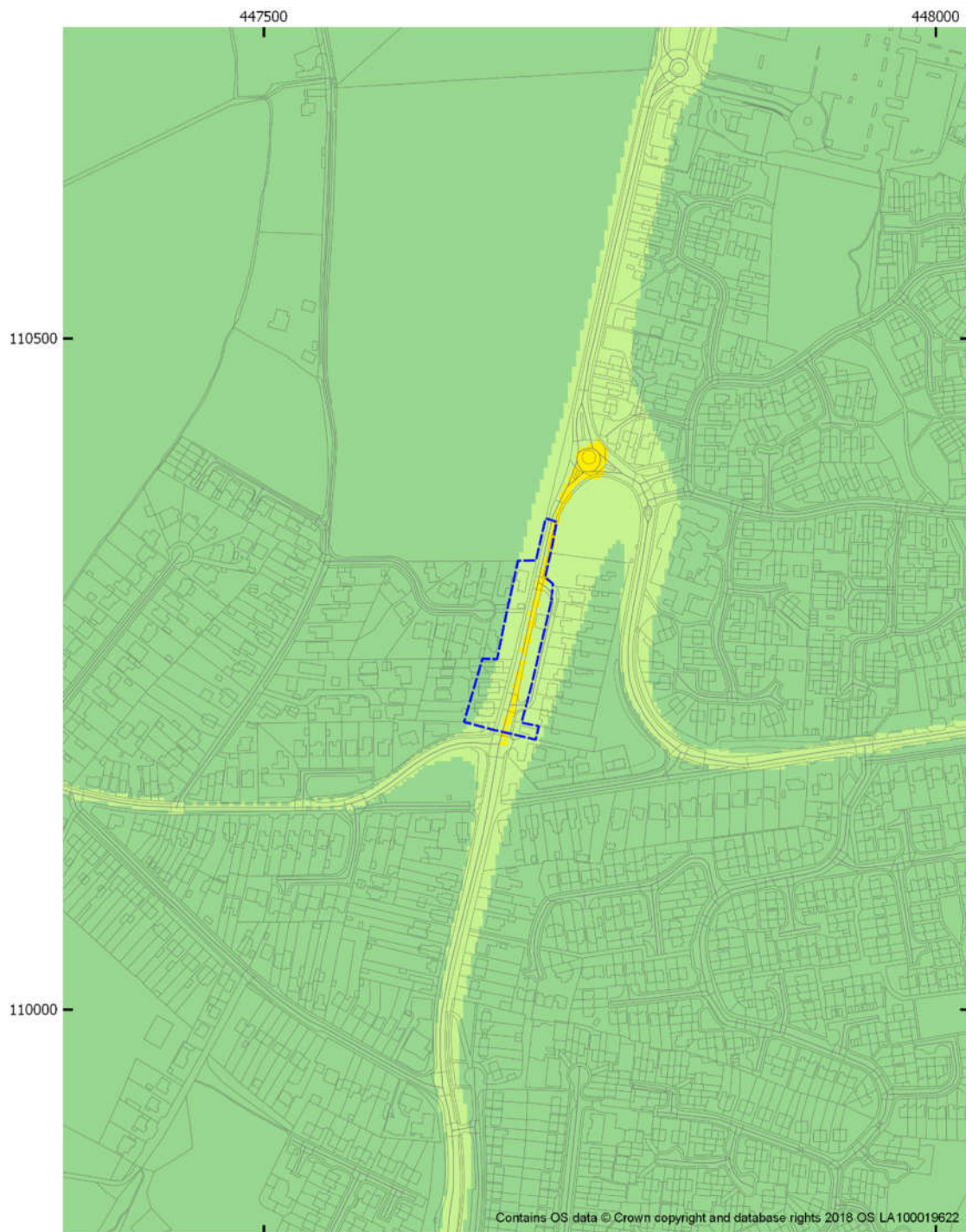
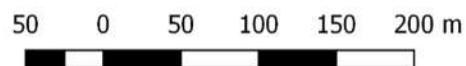
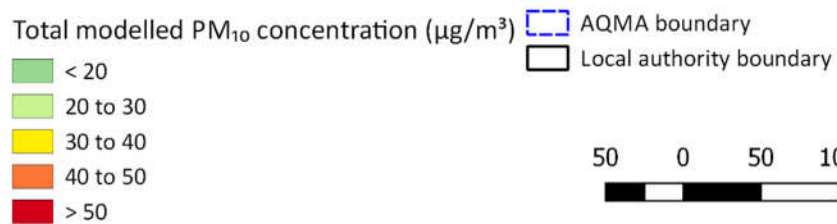
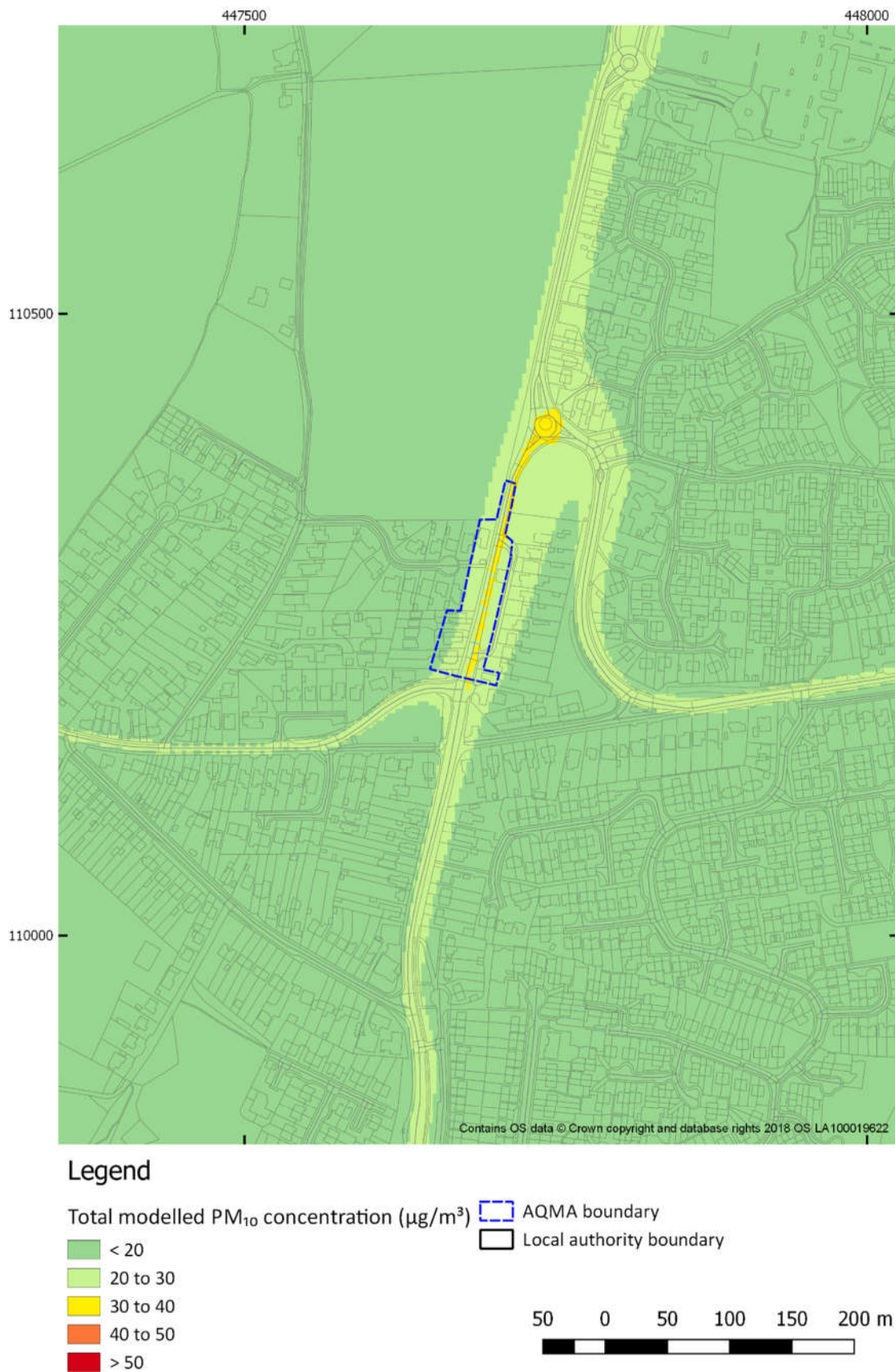
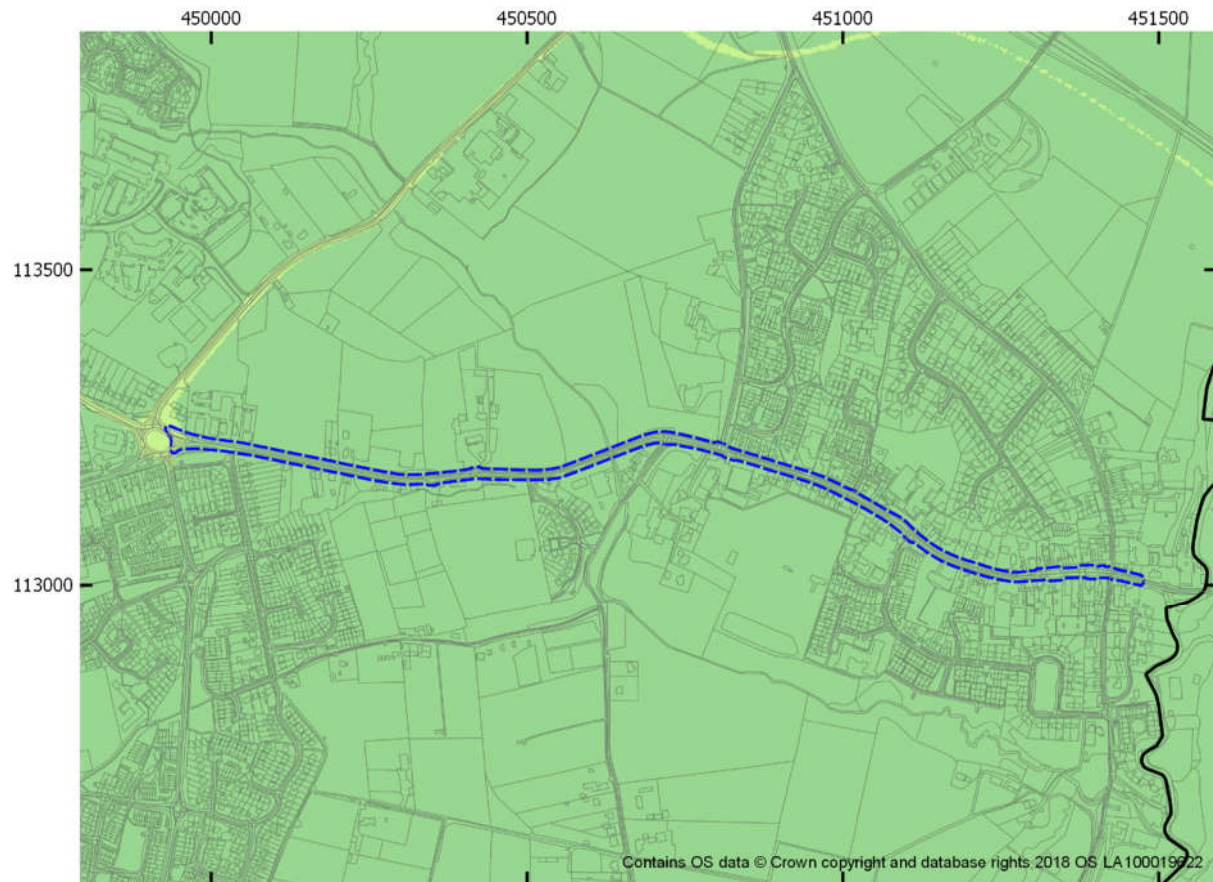
Figure 3-43 Annual mean PM₁₀ concentration model results for 2036 SGO E scenario AQMA No. 3 (Hamble Lane)**Legend**

Figure 3-44 Annual mean PM₁₀ concentration model results for 2036 Baseline AQMA No. 3 (Hamble Lane)

3.4 AQMA 4

Figure 3-45 Annual mean PM₁₀ concentration model results for pseudo-2030 SGO C scenario AQMA No. 4 (High Street Botley)



Legend

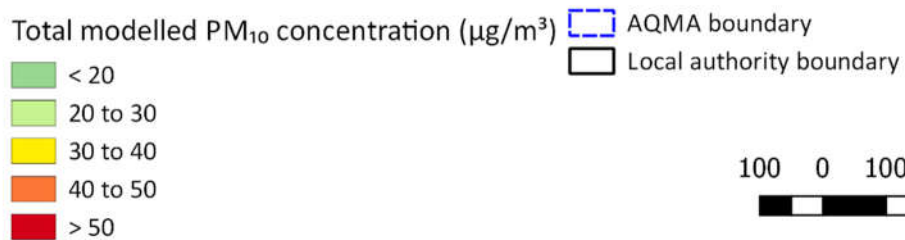
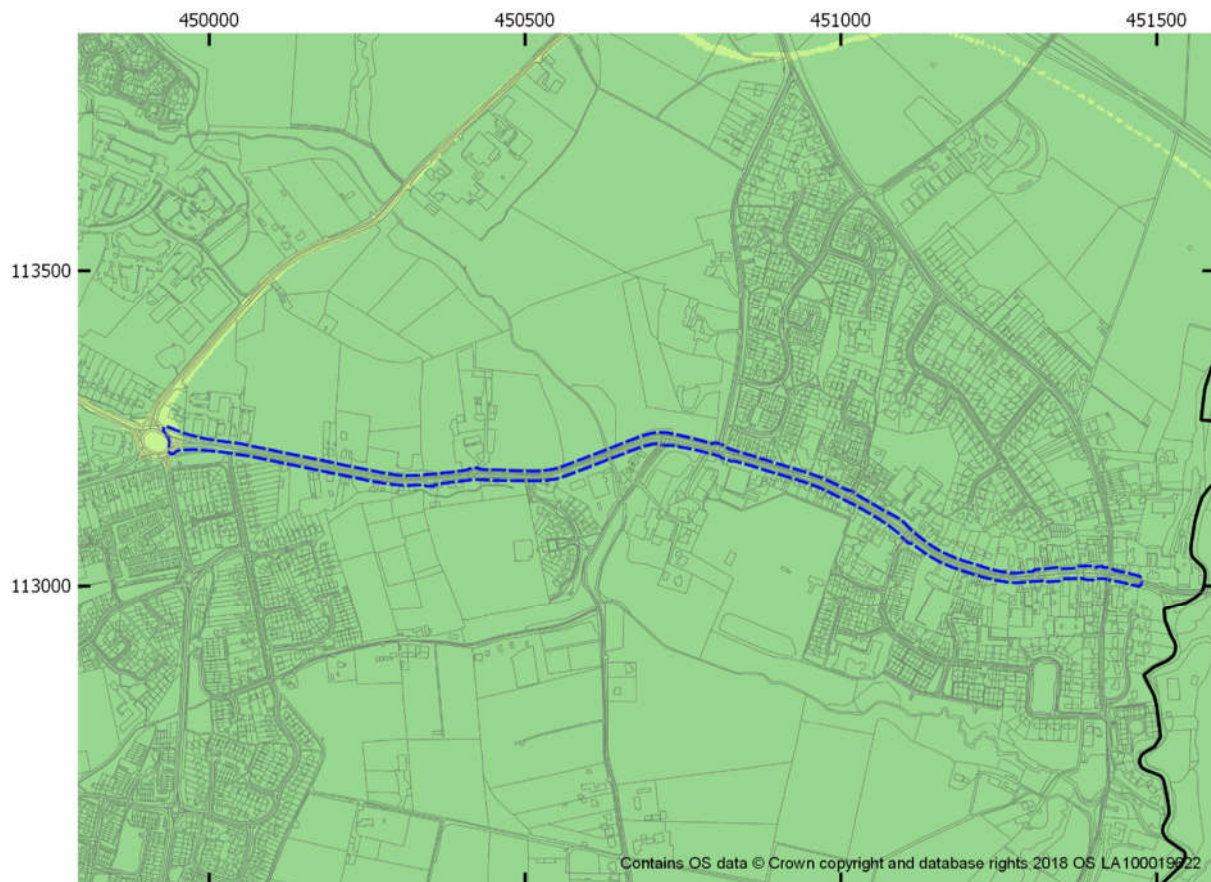


Figure 3-46 Annual mean PM₁₀ concentration model results for pseudo-2030 SGO D1 scenario AQMA No. 4 (High Street Botley)

Legend

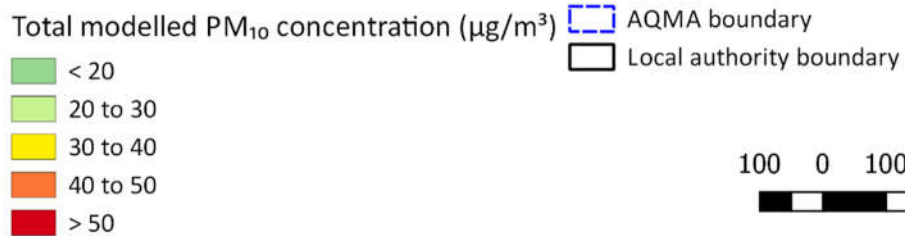


Figure 3-47 Annual mean PM₁₀ concentration model results for pseudo-2030 SGO D2 scenario AQMA No. 4 (High Street Botley)

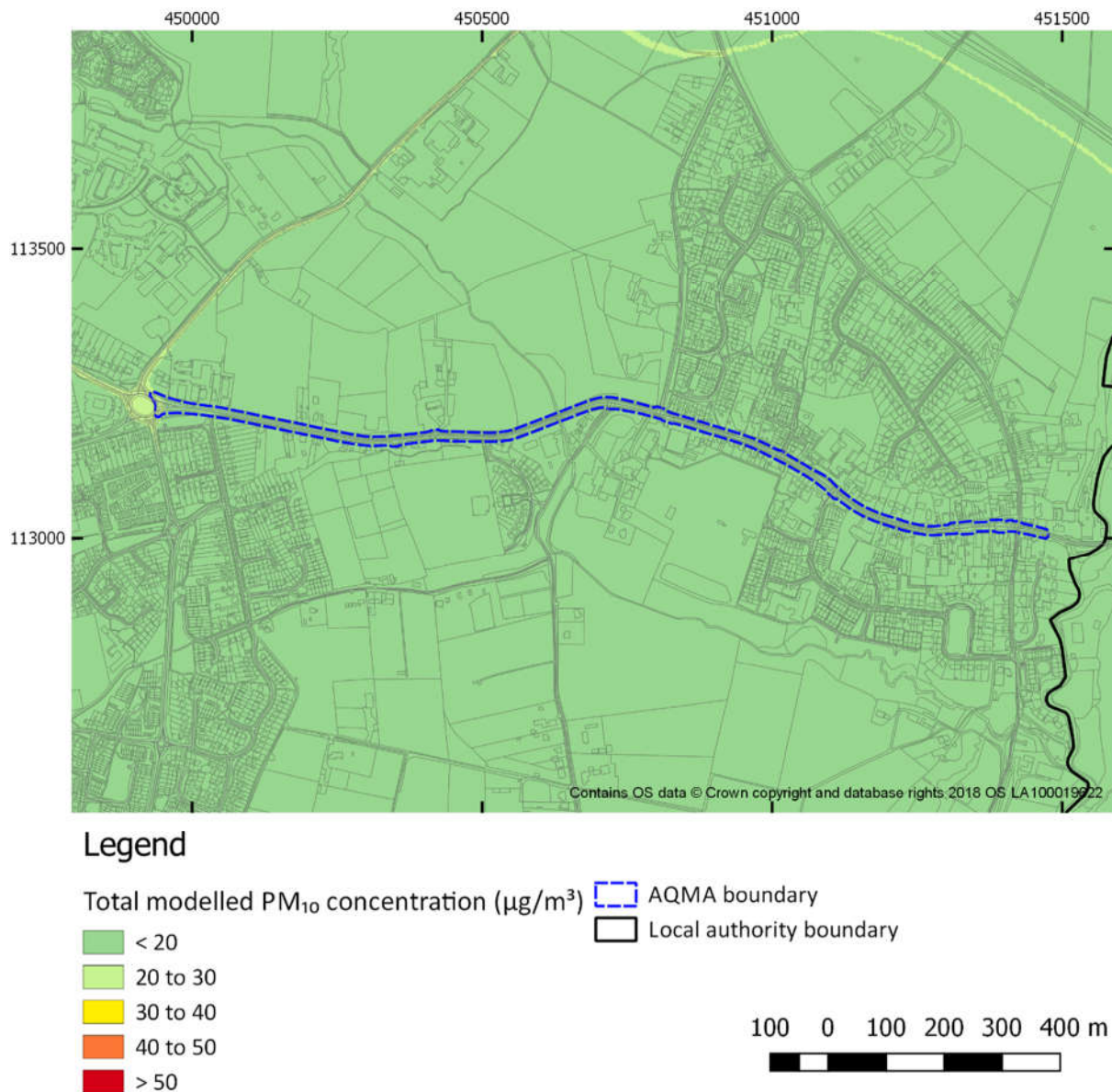
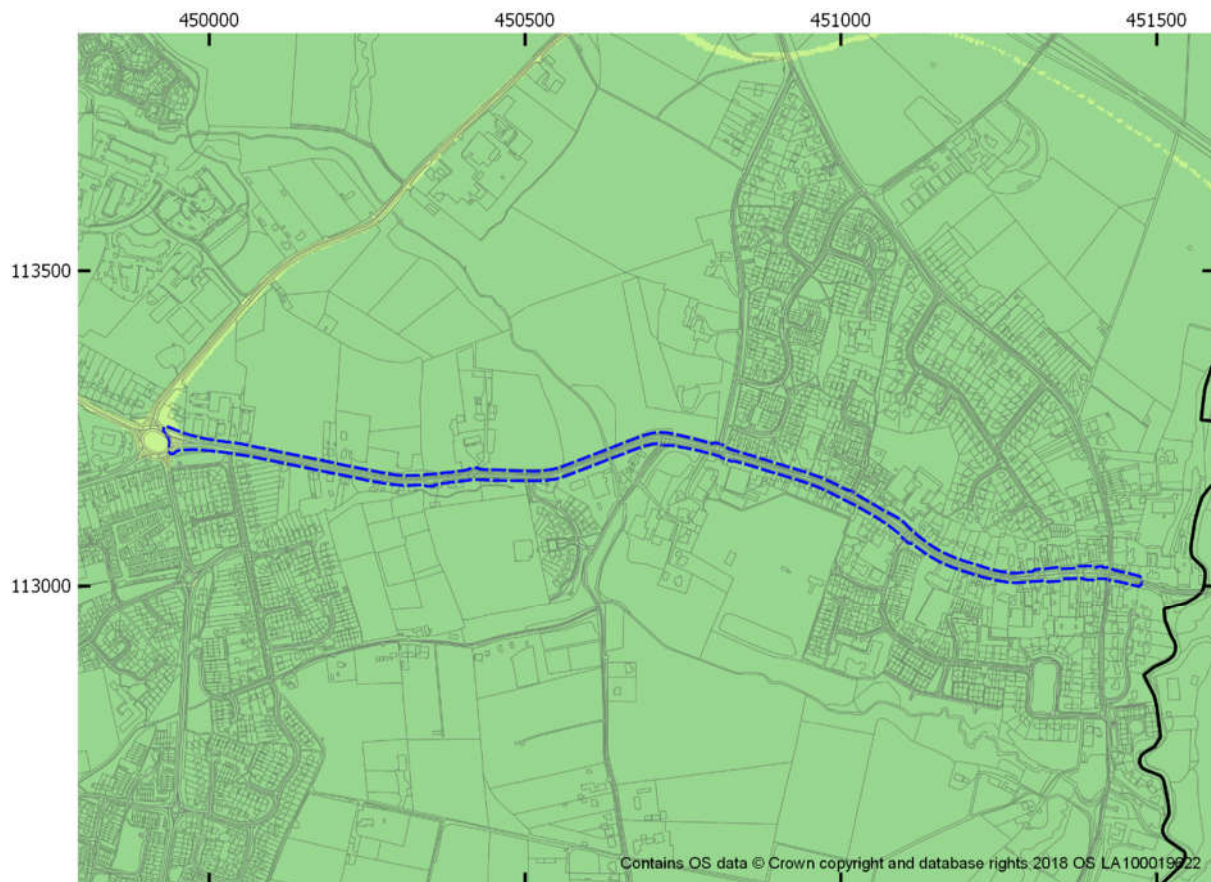


Figure 3-48 Annual mean PM₁₀ concentration model results for pseudo-2030 SGO E scenario AQMA No. 4 (High Street Botley)



Legend

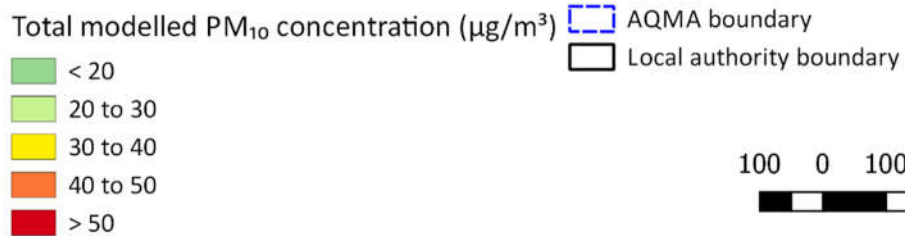


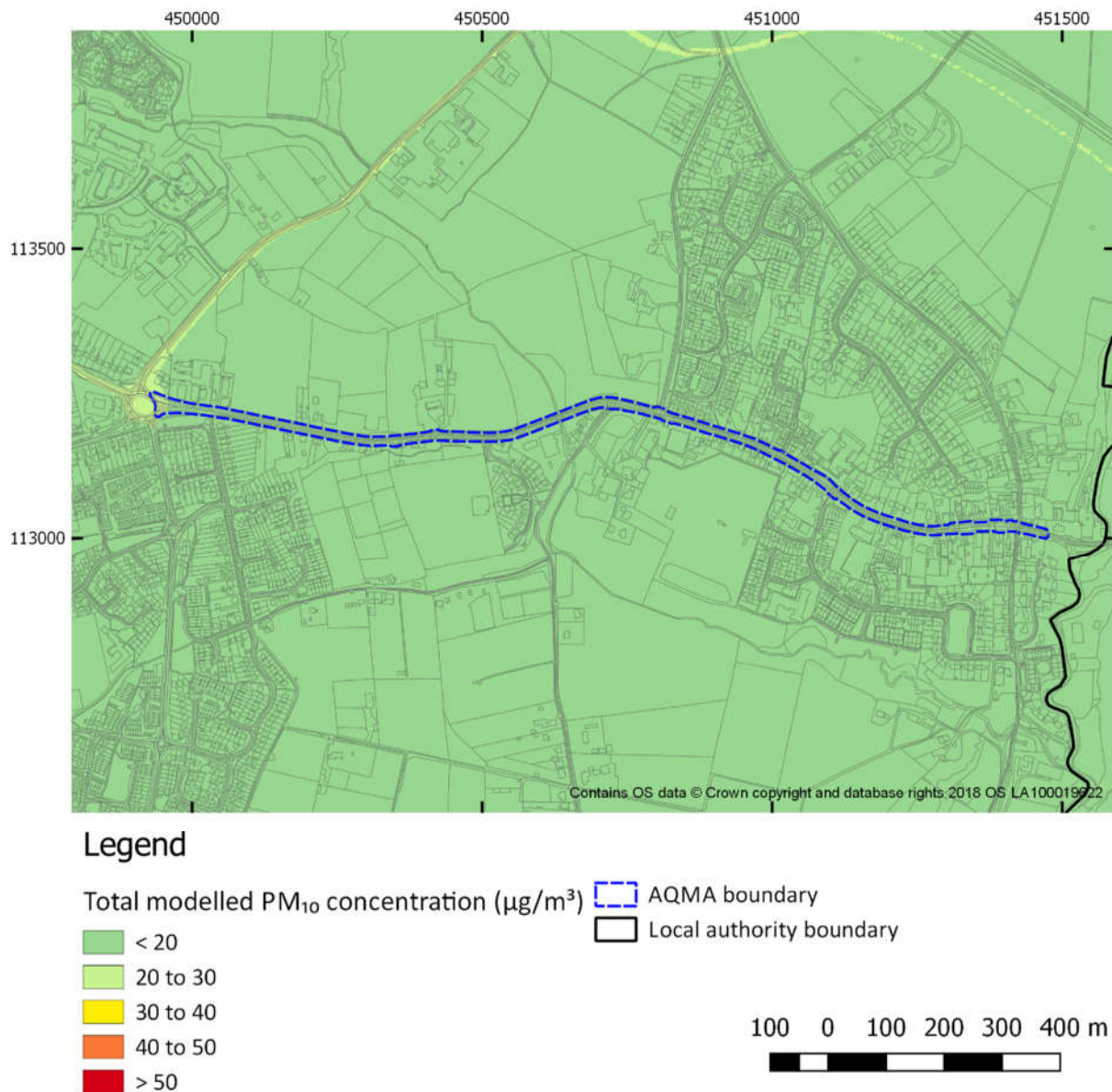
Figure 3-49 Annual mean PM₁₀ concentration model results for 2036 SGO C scenario AQMA No. 4 (High Street Botley)

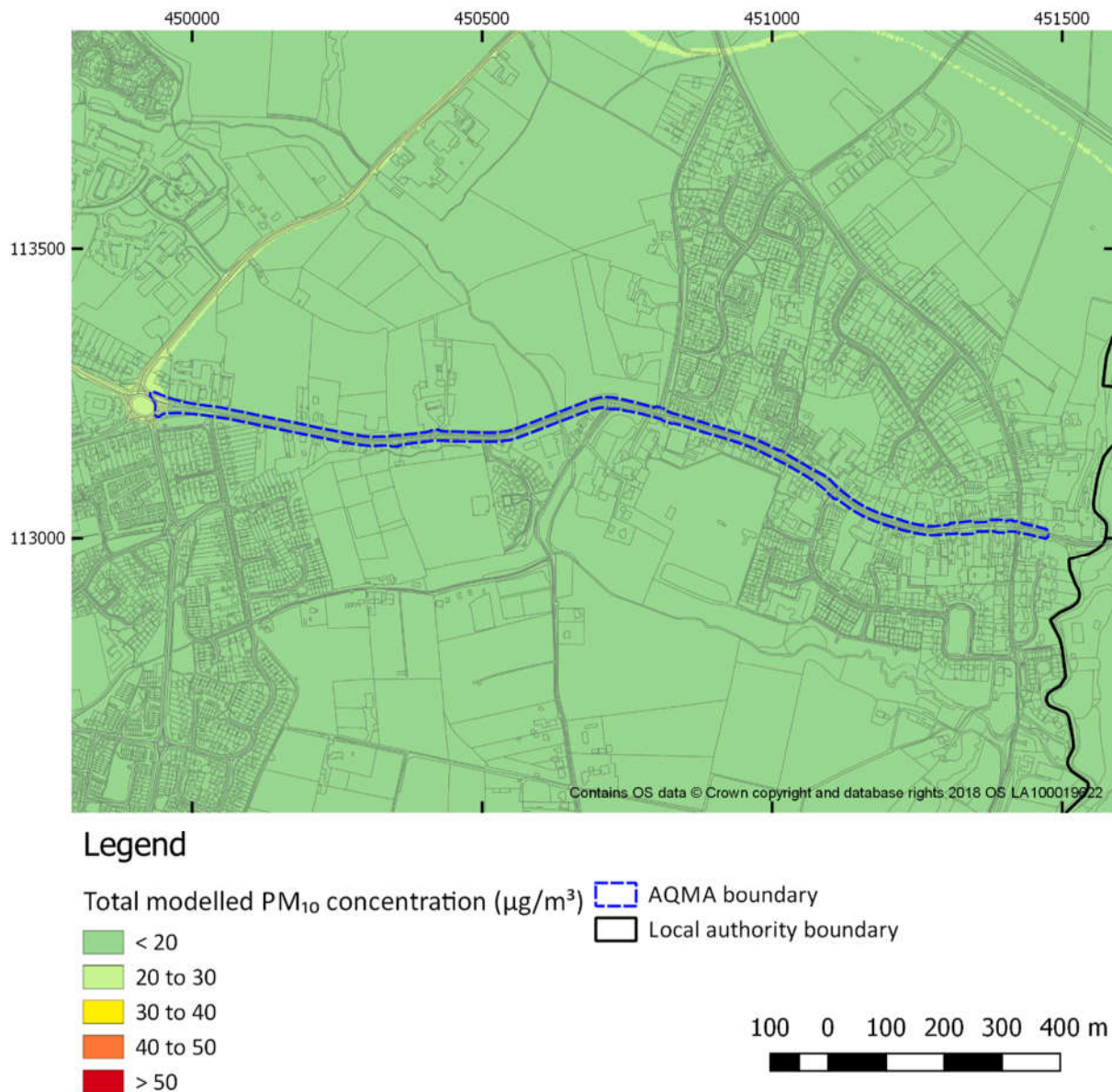
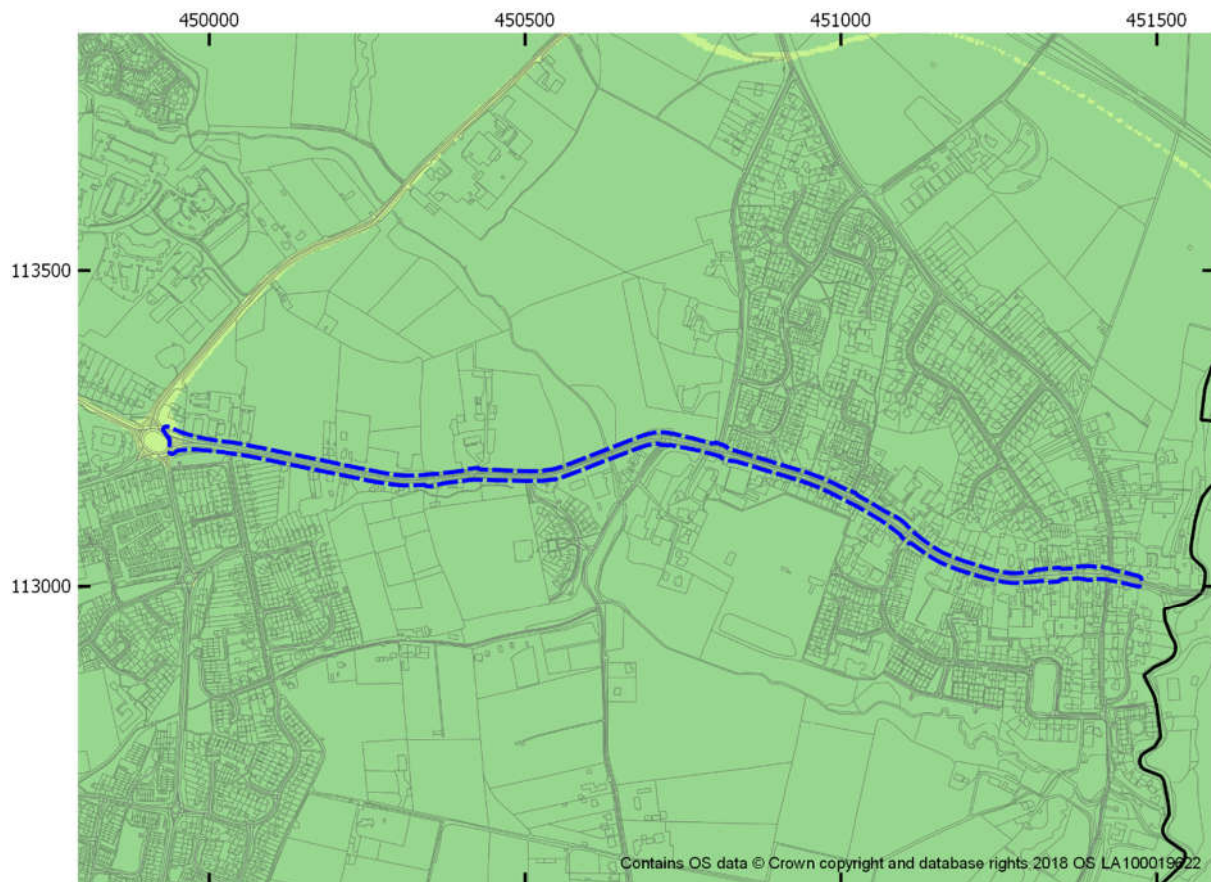
Figure 3-50 Annual mean PM₁₀ concentration model results for 2036 SGO D1 scenario AQMA No. 4 (High Street Botley)

Figure 3-51 Annual mean PM₁₀ concentration model results for 2036 SGO D2 scenario AQMA No. 4 (High Street Botley)

Legend

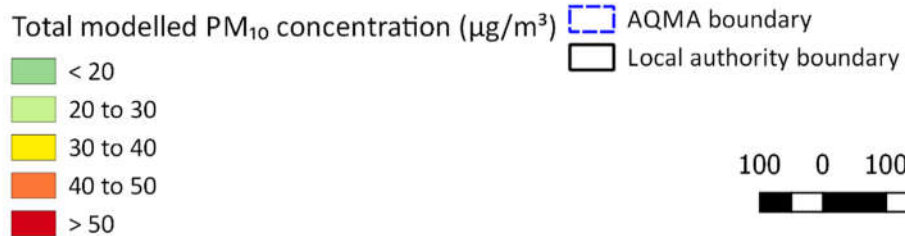


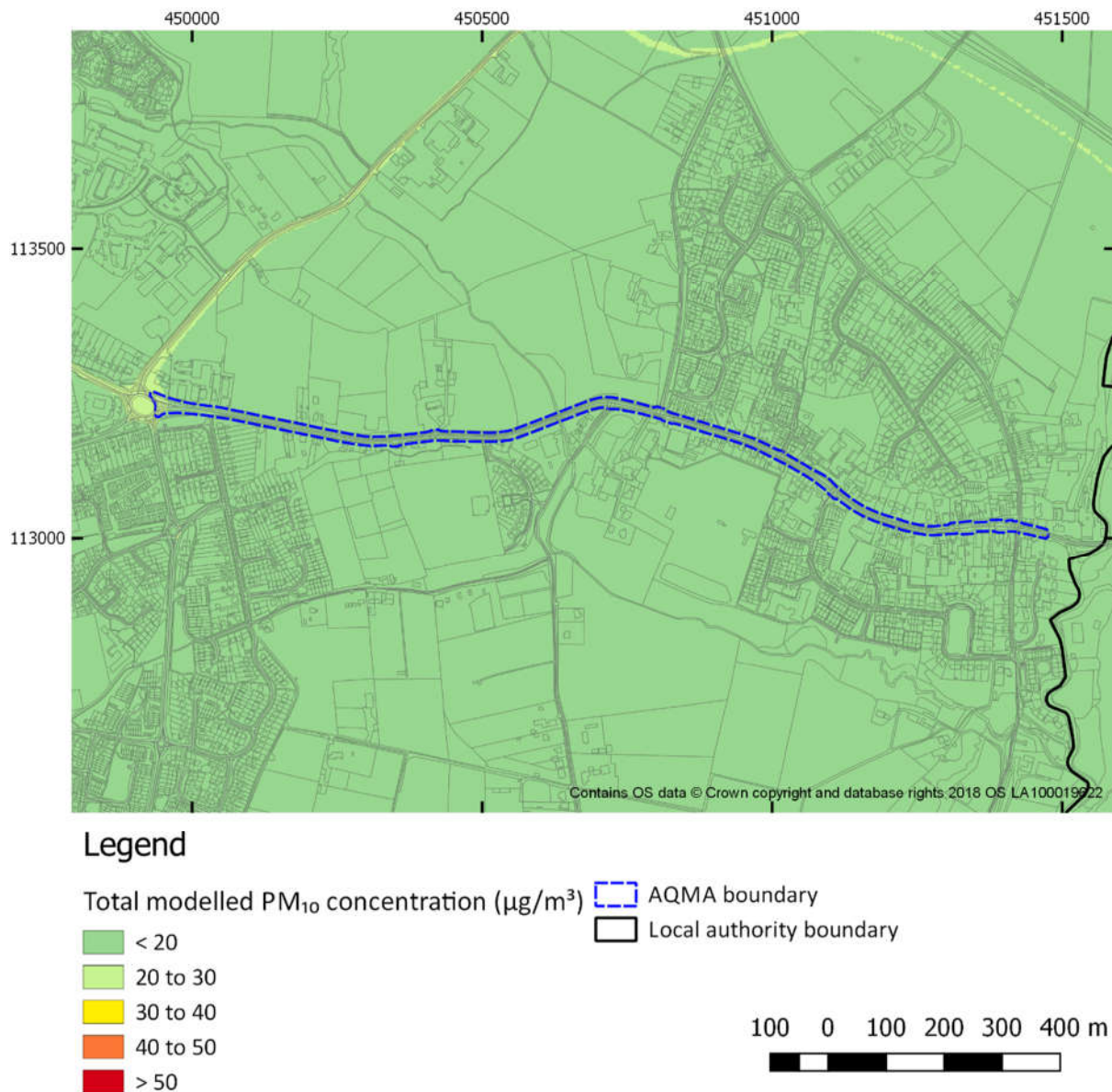
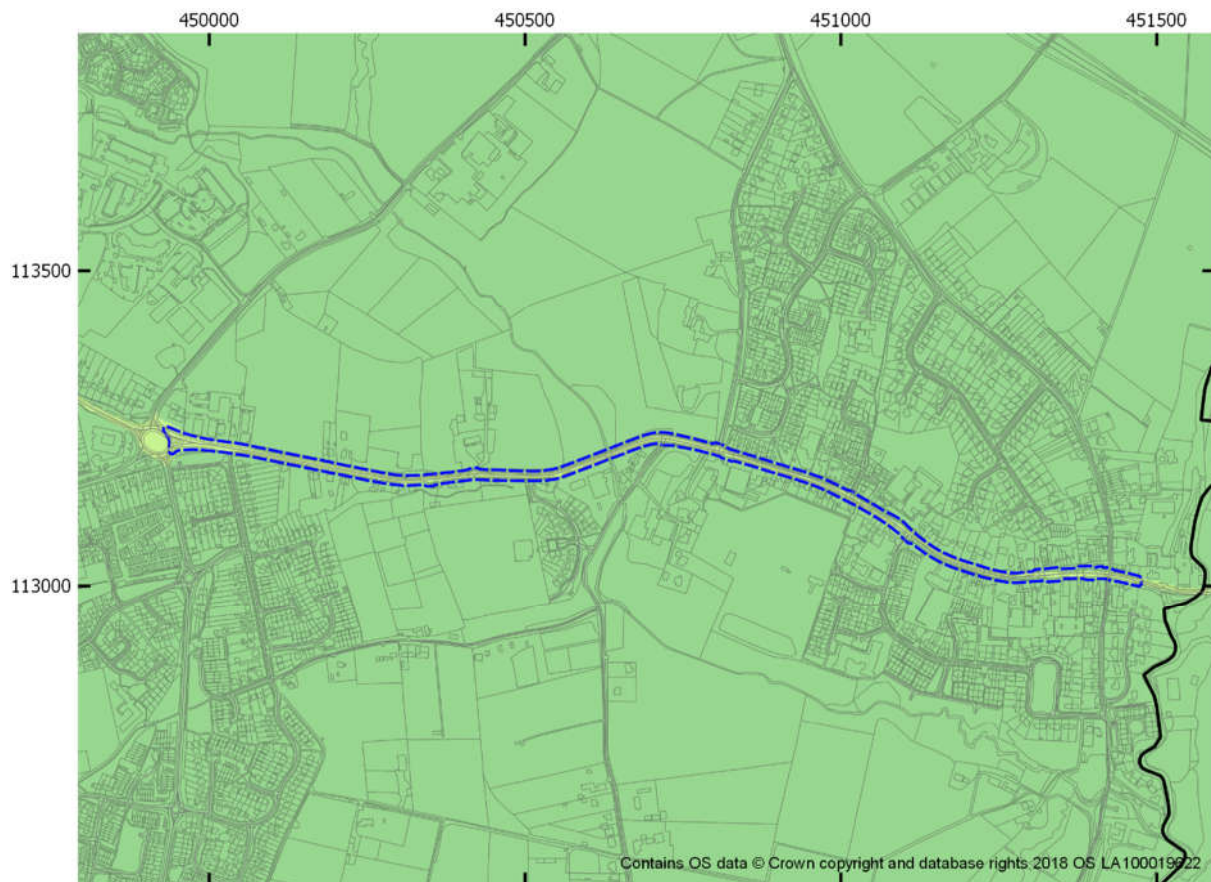
Figure 3-52 Annual mean PM₁₀ concentration model results for 2036 SGO E scenario AQMA No. 4 (High Street Botley)

Figure 3-53 Annual mean PM₁₀ concentration model results for 2036 Baseline AQMA No. 4 (High Street Botley)

Legend

Total modelled PM₁₀ concentration (µg/m³)

- < 20
- 20 to 30
- 30 to 40
- 40 to 50
- > 50

— AQMA boundary

— Local authority boundary

100 0 100 200 300 400 m



4 PM_{2.5} annual mean concentration

4.1 Full modelling domain

Figure 4-1 Annual mean PM_{2.5} concentration model results for pseudo-2030 SGO C scenario

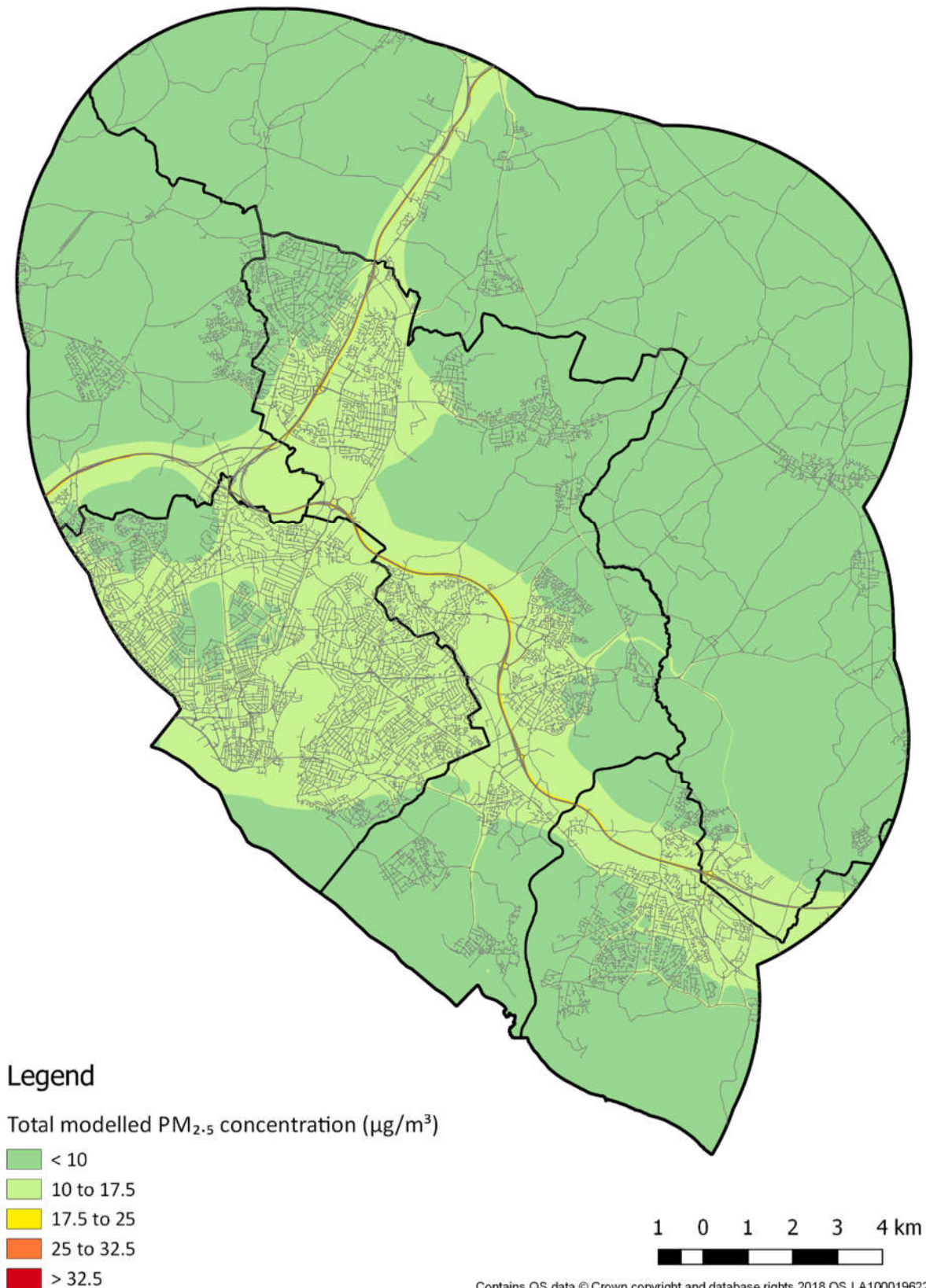


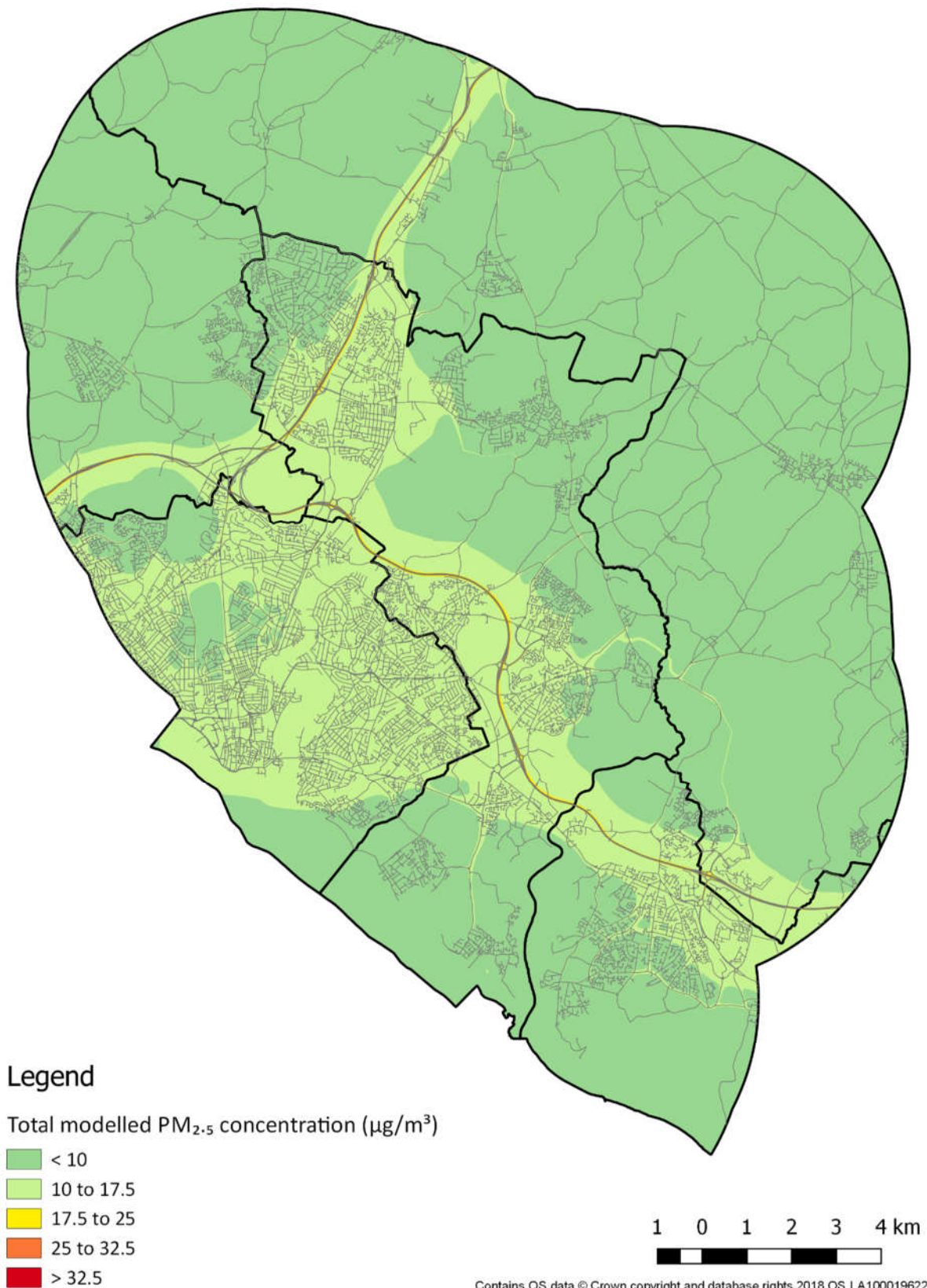
Figure 4-2 Annual mean PM_{2.5} concentration model results for pseudo-2030 SGO D1 scenario

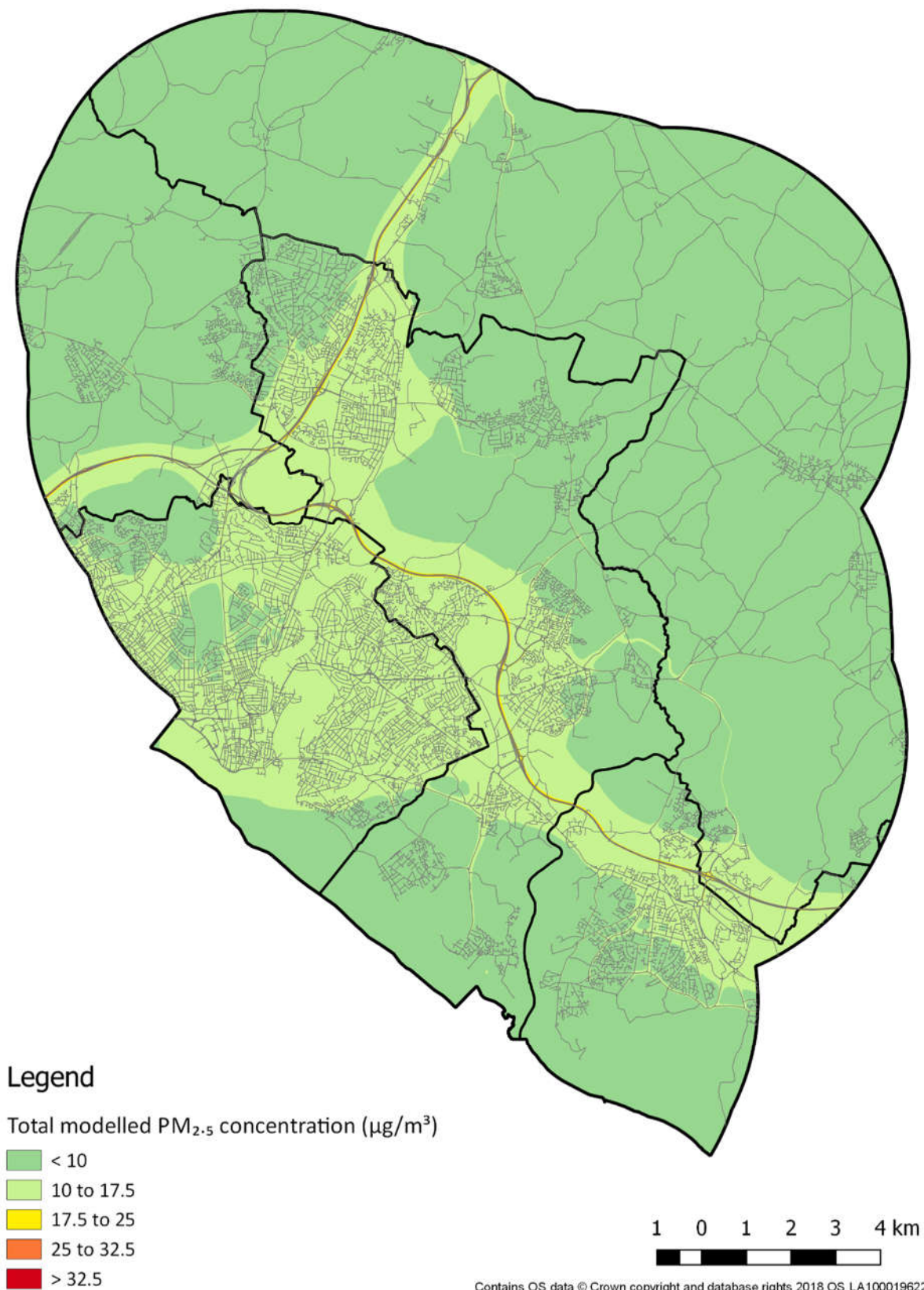
Figure 4-3 Annual mean PM_{2.5} concentration model results for pseudo-2030 SGO D2 scenario

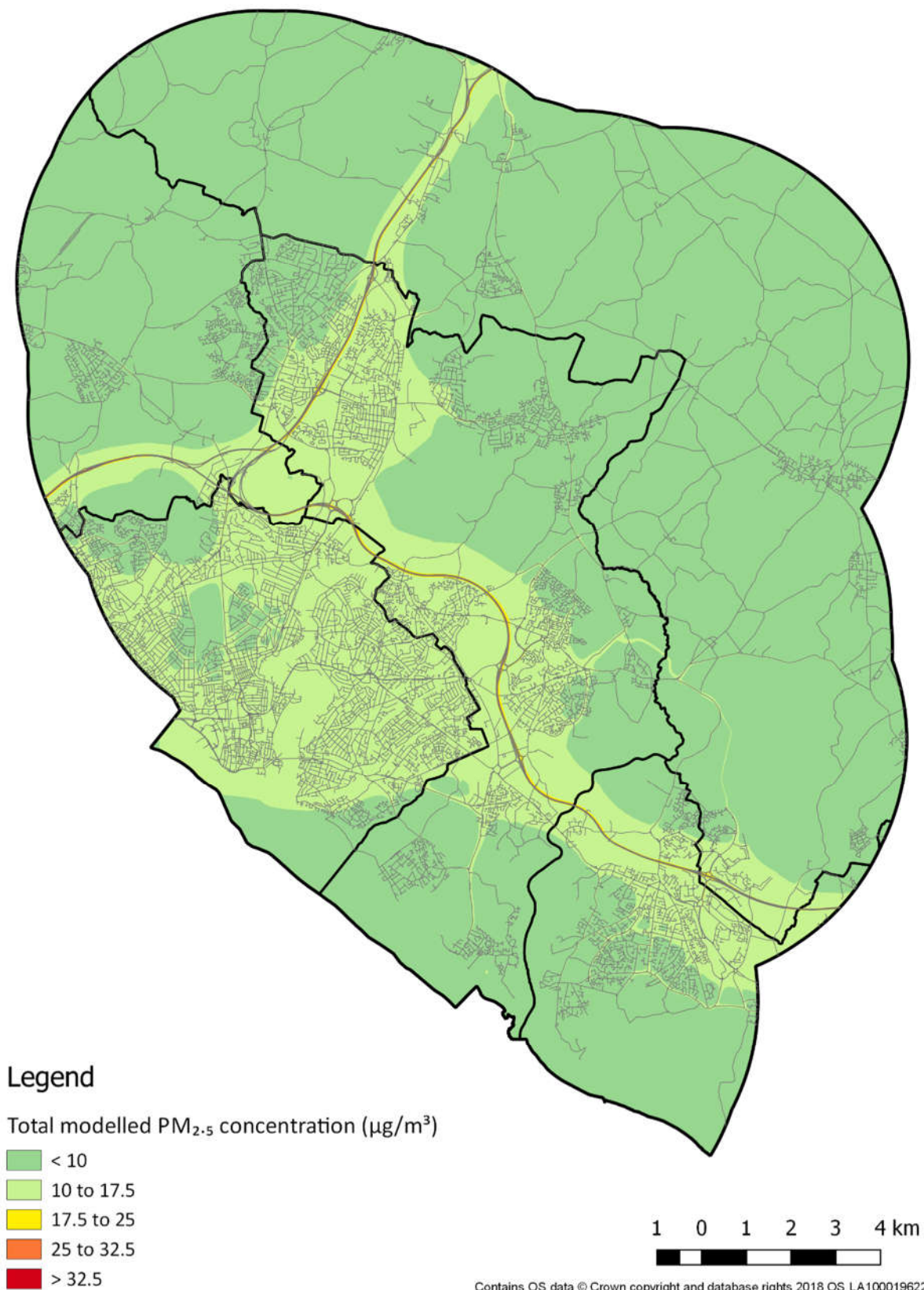
Figure 4-4 Annual mean PM_{2.5} concentration model results for pseudo-2030 SGO E scenario

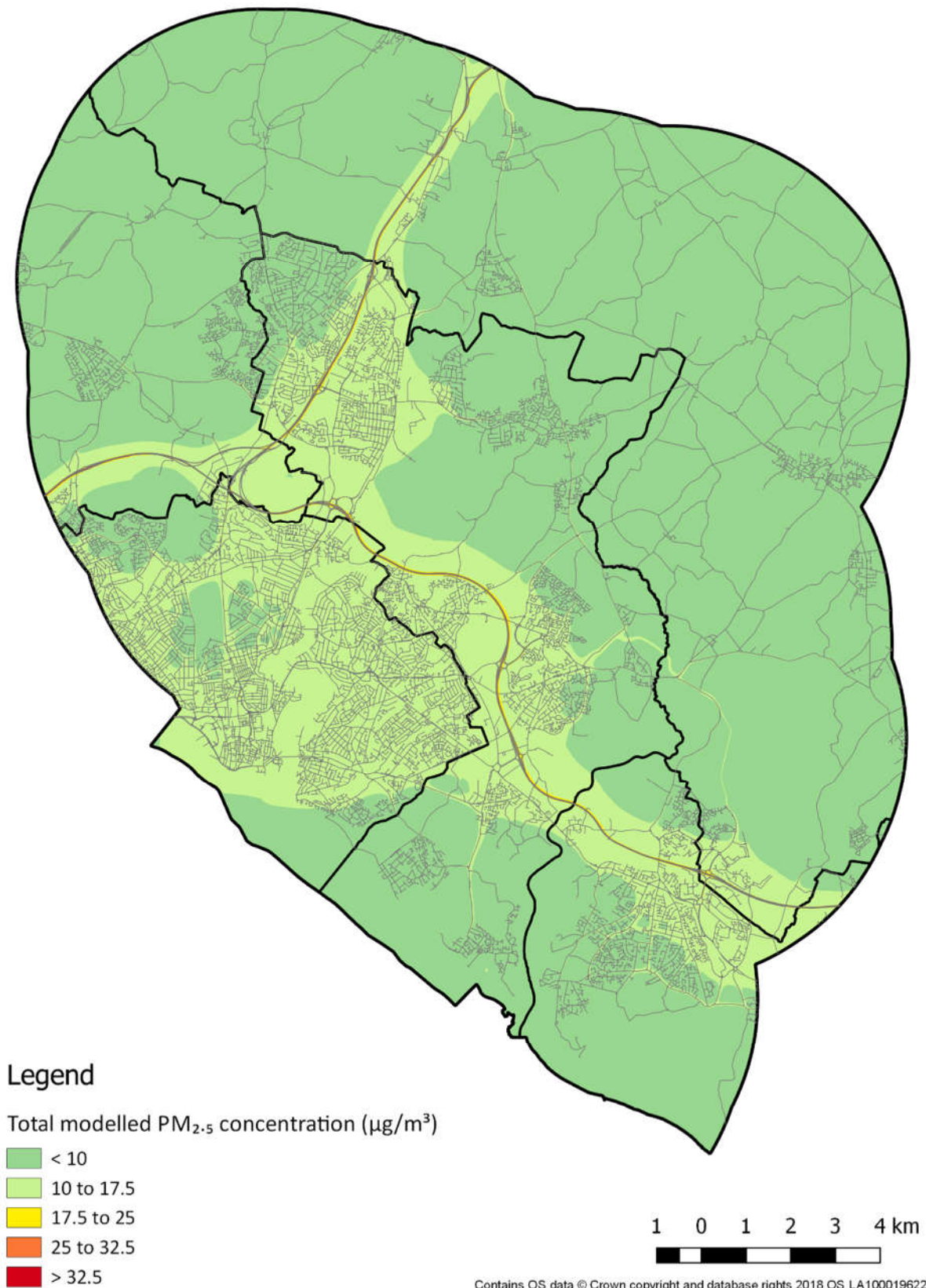
Figure 4-5 Annual mean PM_{2.5} concentration model results for 2036 SGO C scenario

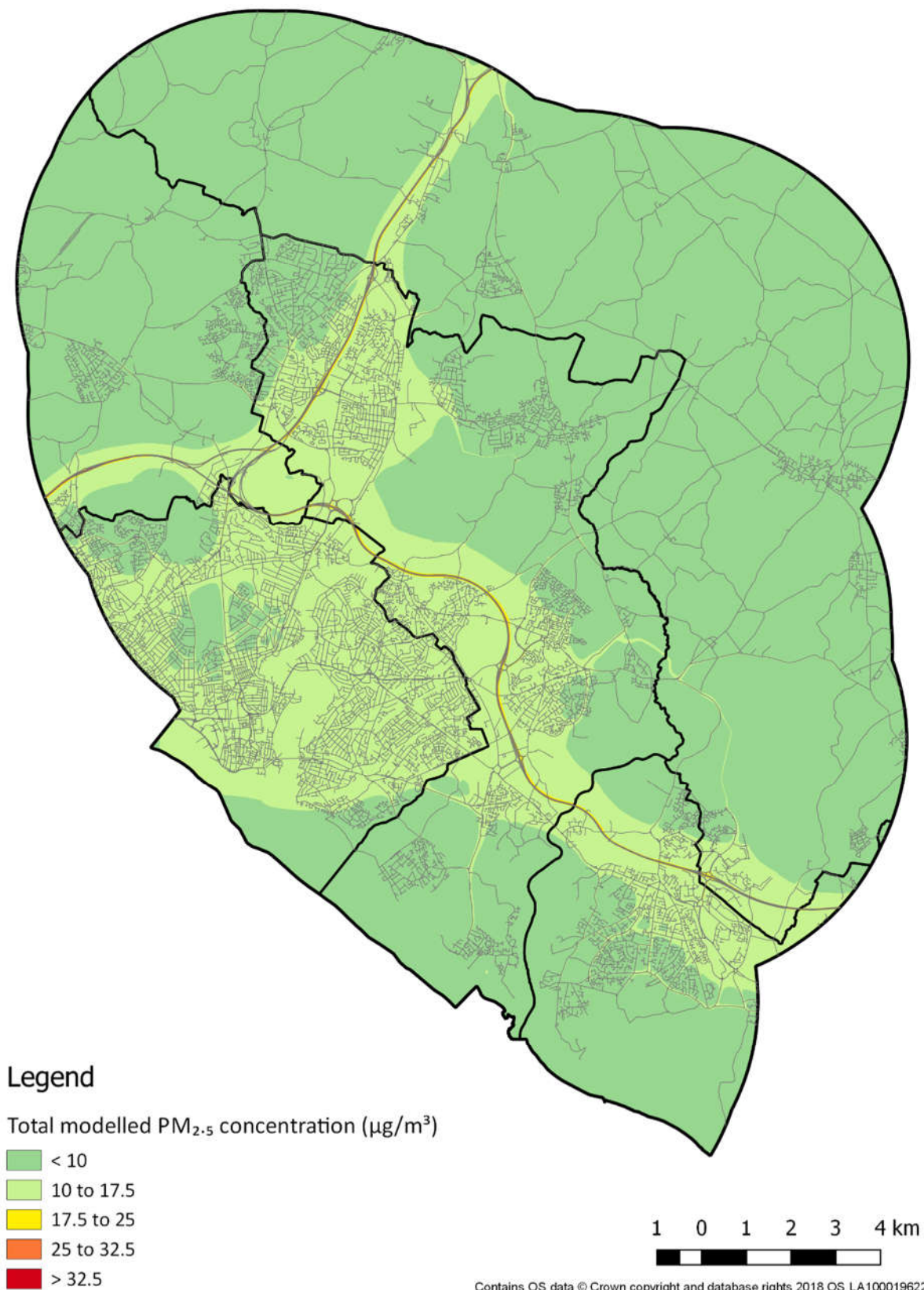
Figure 4-6 Annual mean PM_{2.5} concentration model results for 2036 SGO D1 scenario

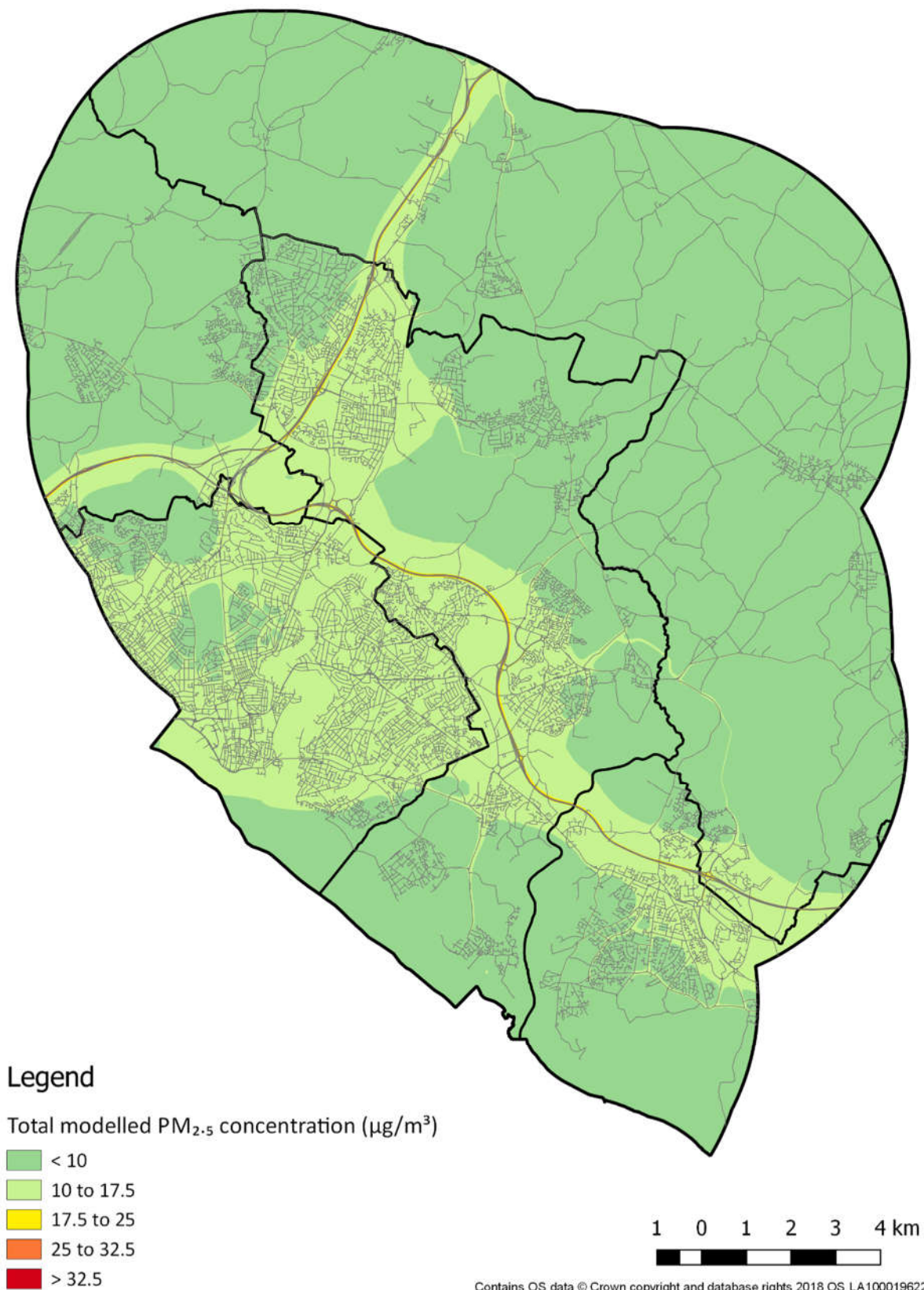
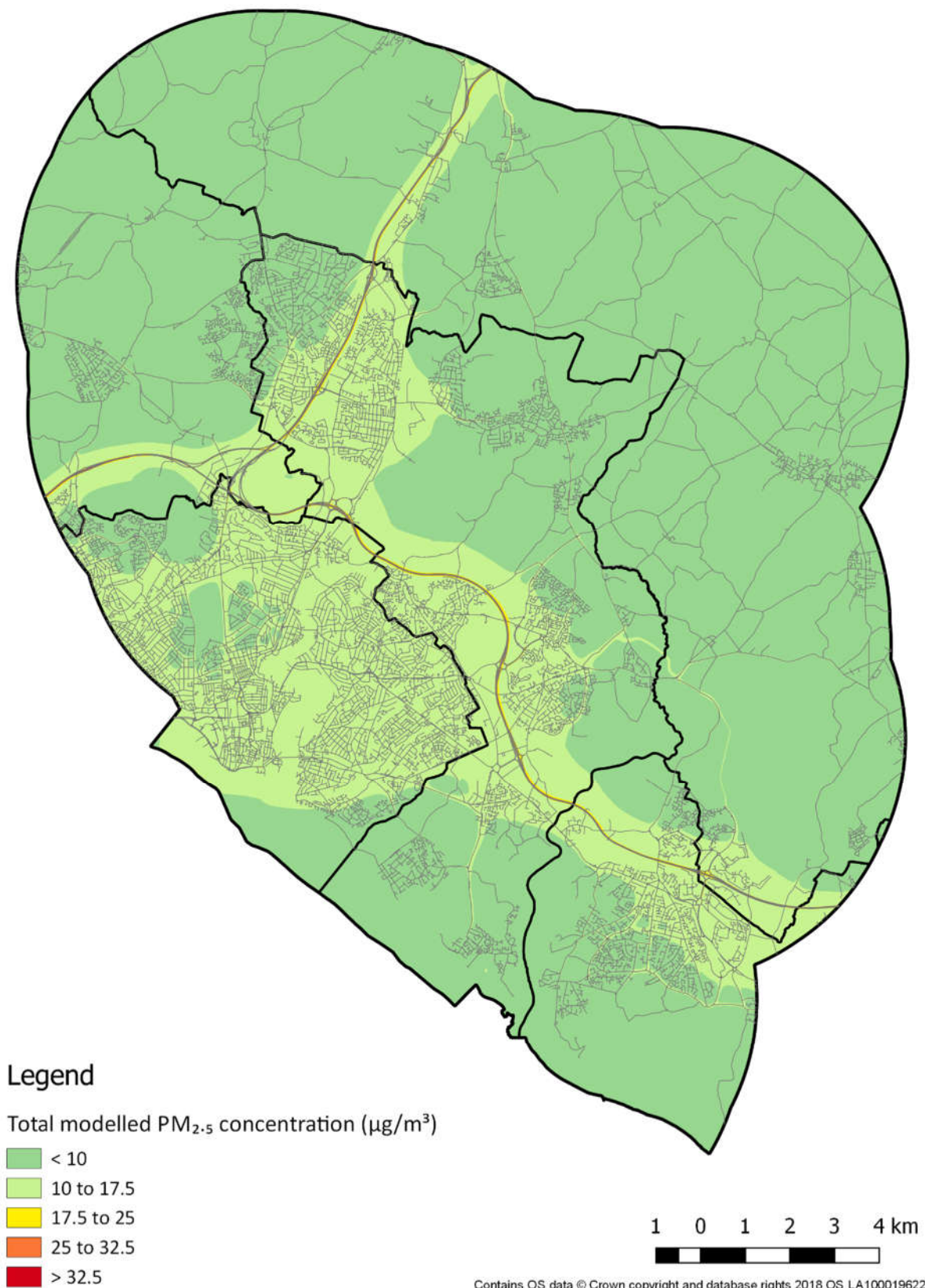
Figure 4-7 Annual mean PM_{2.5} concentration model results for 2036 SGO D2 scenario

Figure 4-8 Annual mean PM_{2.5} concentration model results for 2036 SGO E scenario

4.2 AQMA 1 and 2

Figure 4-9 Annual mean PM_{2.5} concentration model results for pseudo-2030 SGO C scenario AQMA No. 1 (A335 / Eastleigh) (East)

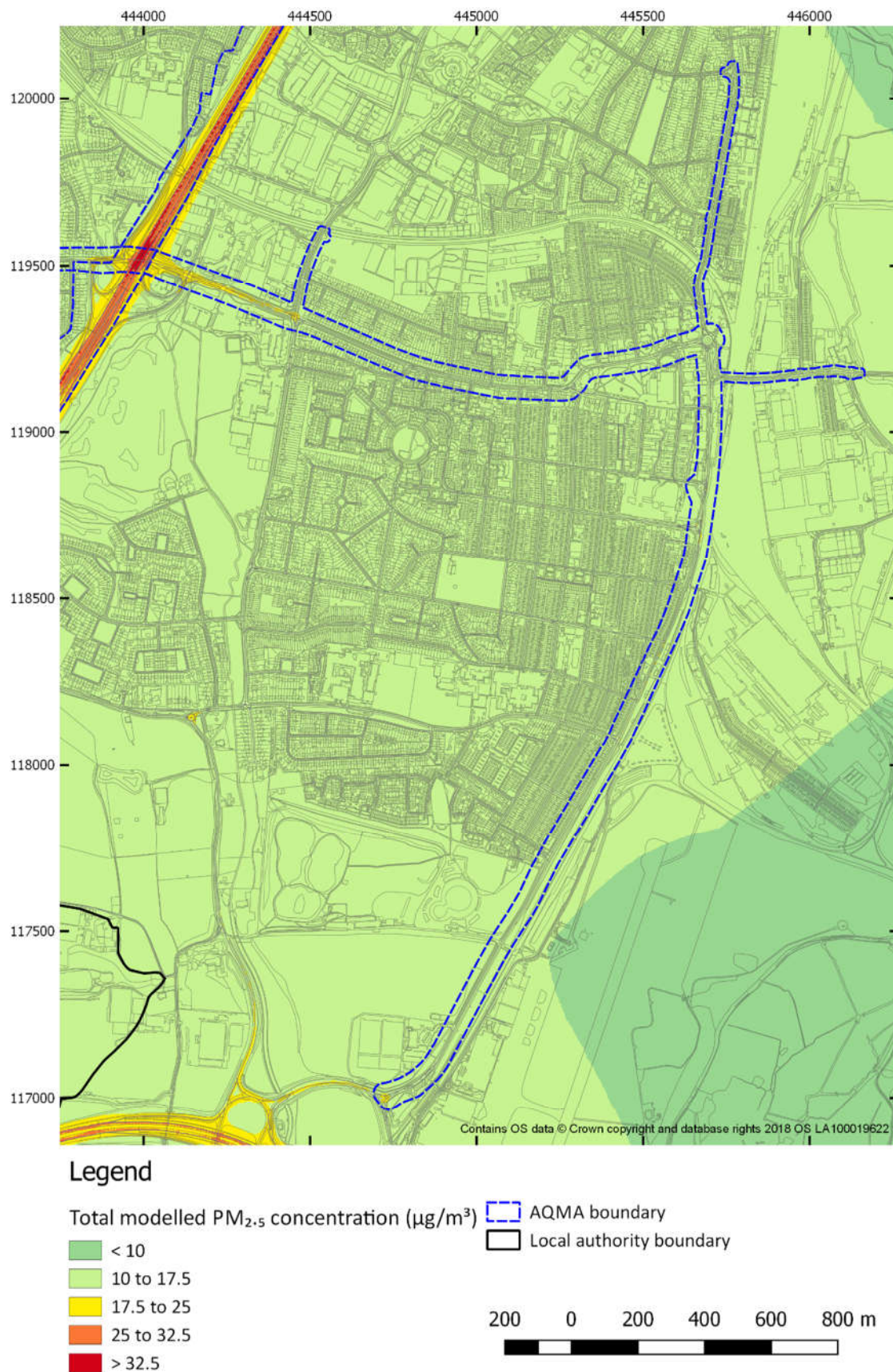
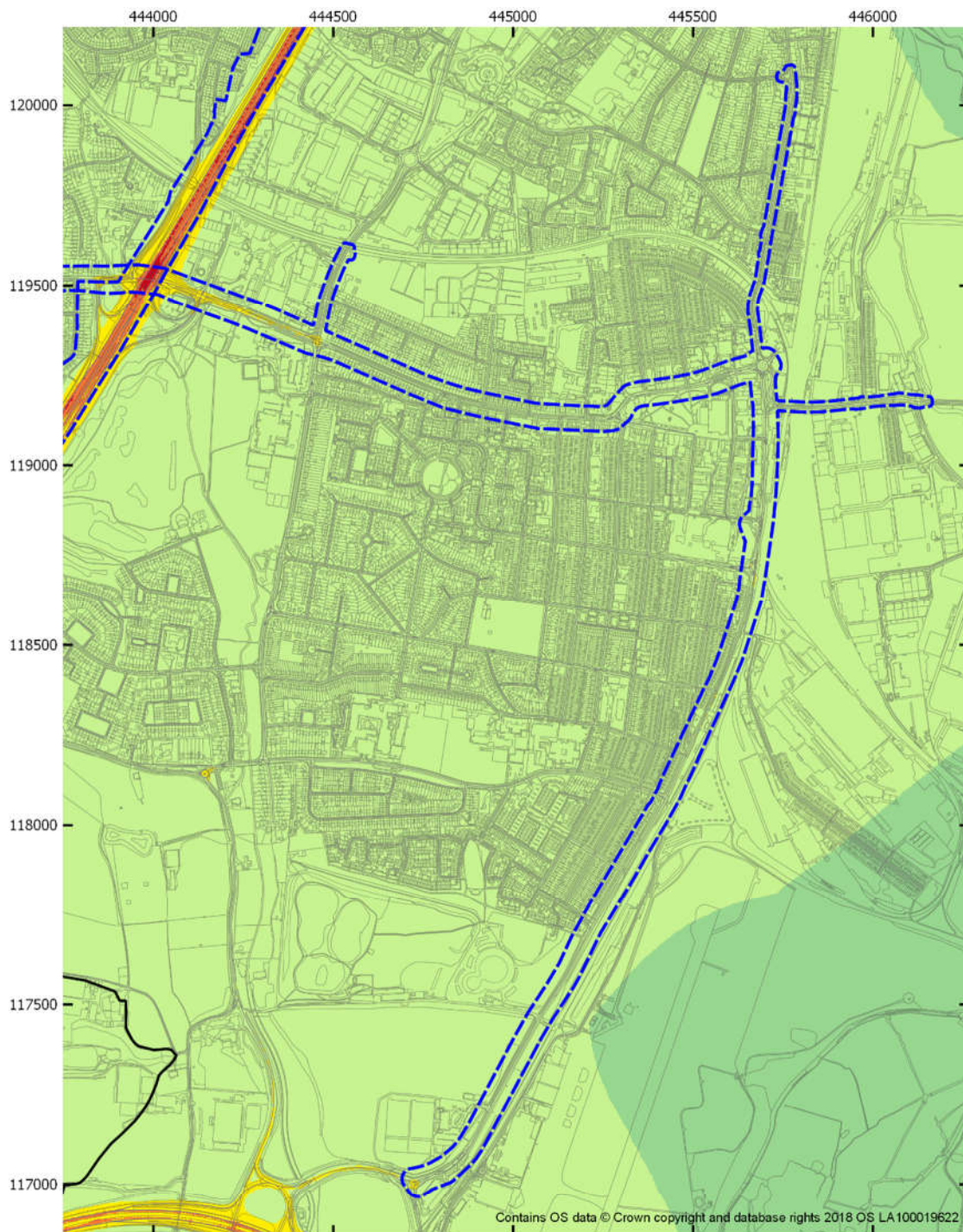


Figure 4-10 Annual mean PM_{2.5} concentration model results for pseudo-2030 SGO D1 scenario AQMA No. 1 (A335 / Eastleigh) (East)



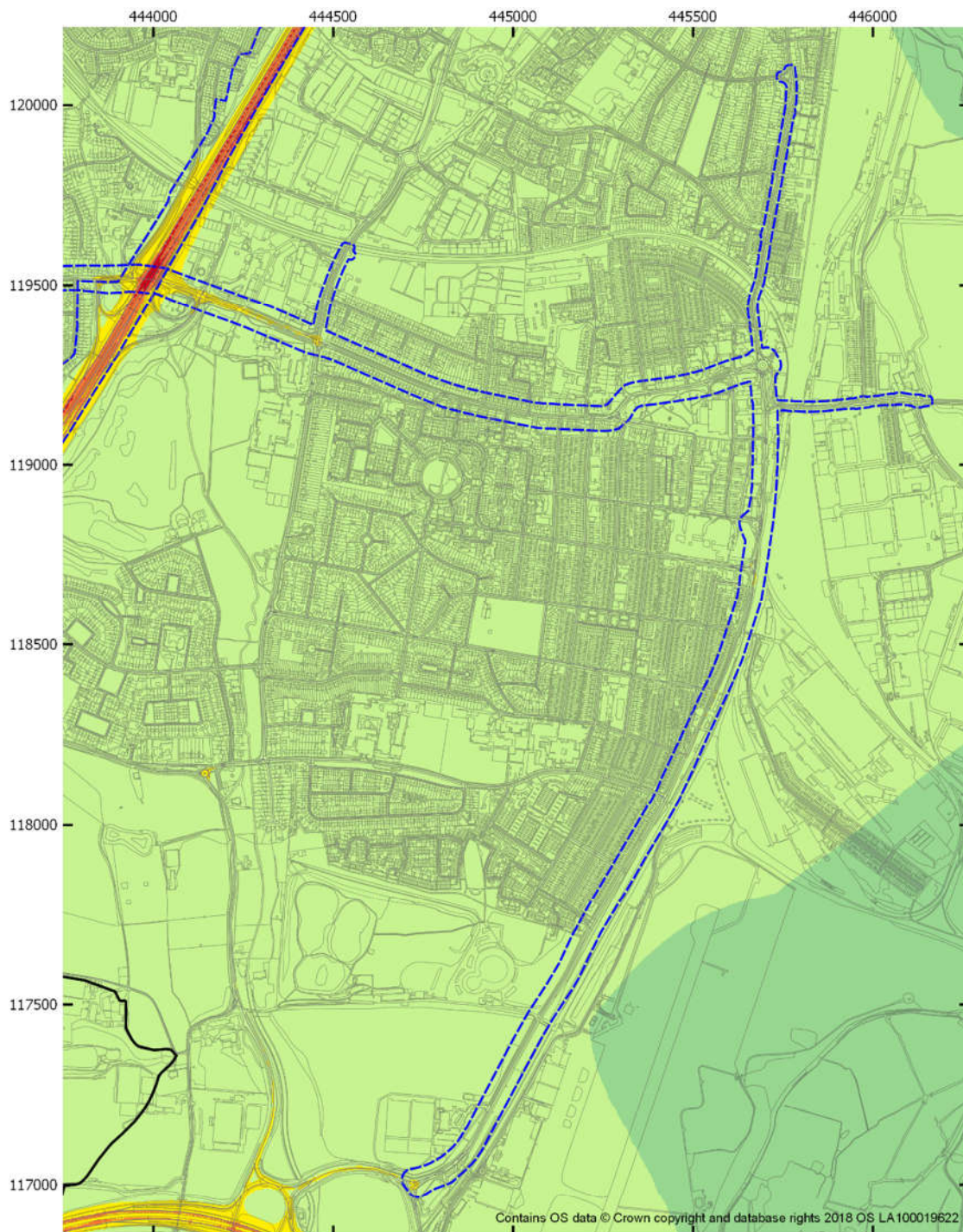
Legend

Total modelled PM_{2.5} concentration (µg/m³)

- < 10
- 10 to 17.5
- 17.5 to 25
- 25 to 32.5
- > 32.5

- AQMA boundary
- Local authority boundary

200 0 200 400 600 800 m

Figure 4-11 Annual mean PM_{2.5} concentration model results for pseudo-2030 SGO D2 scenario AQMA No. 1 (A335 / Eastleigh) (East)**Legend**Total modelled PM_{2.5} concentration (µg/m³)

- < 10
- 10 to 17.5
- 17.5 to 25
- 25 to 32.5
- > 32.5

AQMA boundary

Local authority boundary

200 0 200 400 600 800 m

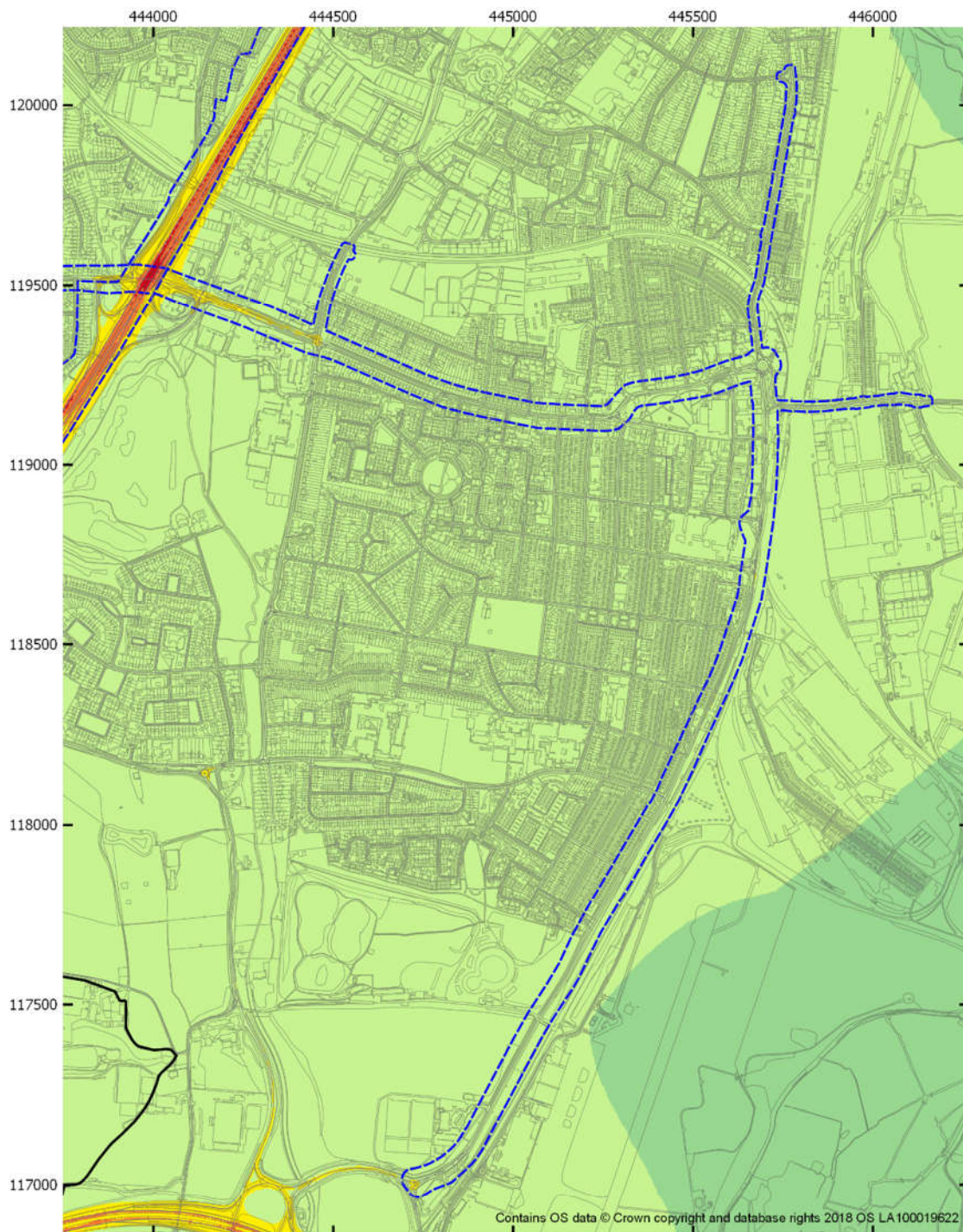
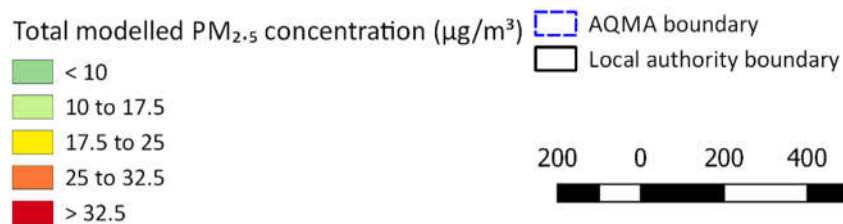
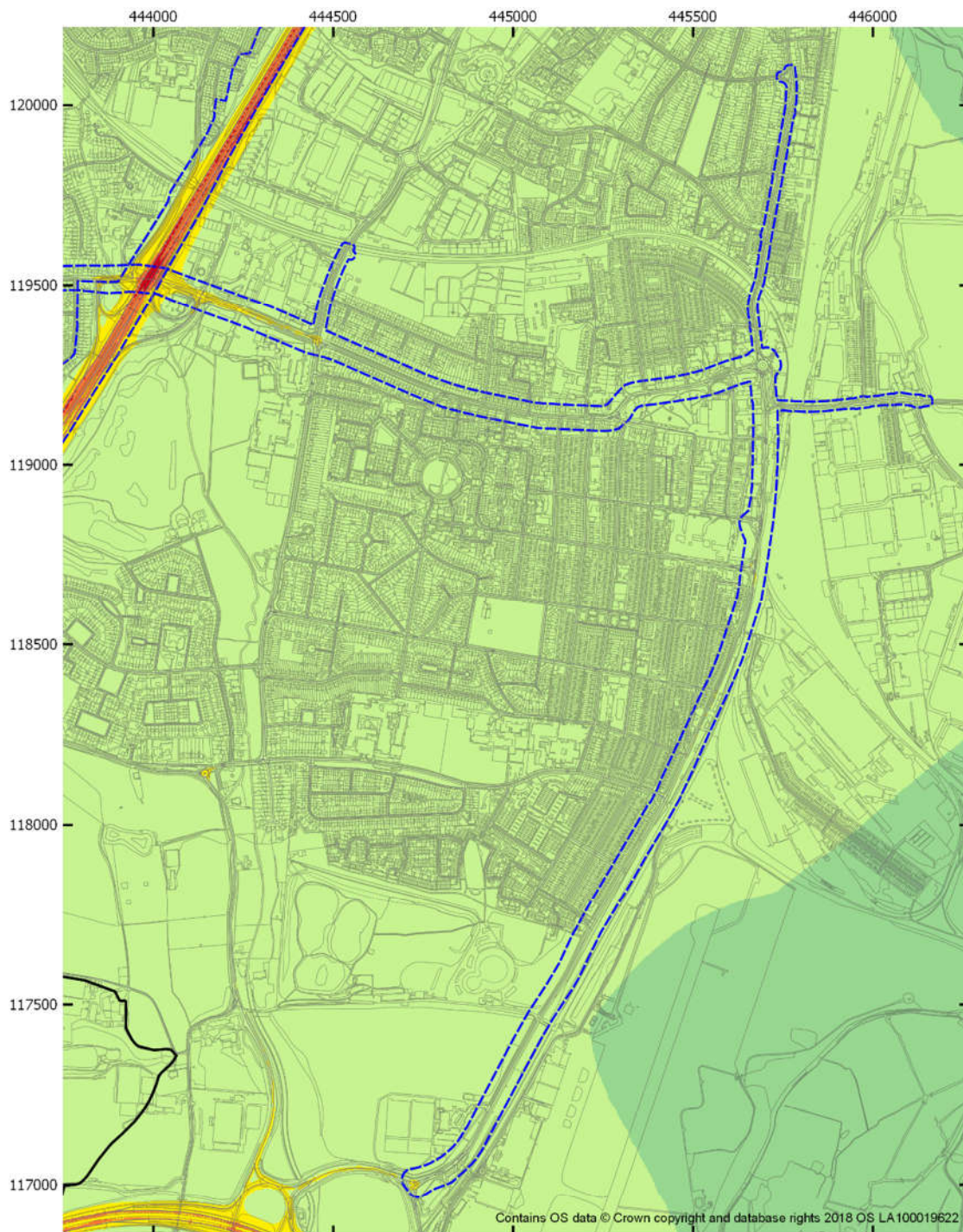
Figure 4-12 Annual mean PM_{2.5} concentration model results for pseudo-2030 SGO E scenario AQMA No. 1 (A335 / Eastleigh) (East)**Legend**

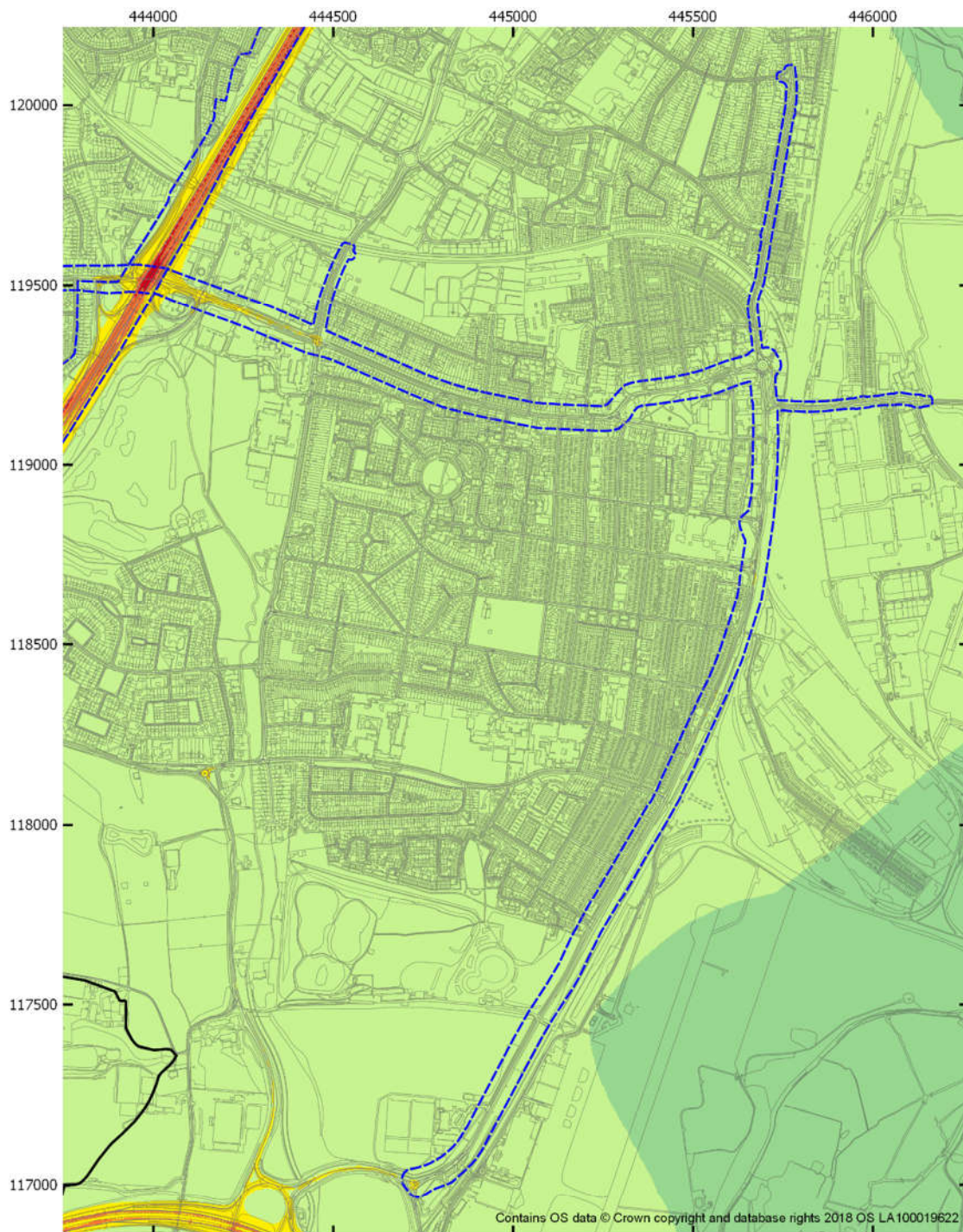
Figure 4-13 Annual mean PM_{2.5} concentration model results for 2036 SGO C scenario AQMA No. 1 (A335 / Eastleigh) (East)**Legend**Total modelled PM_{2.5} concentration (µg/m³)

- < 10
- 10 to 17.5
- 17.5 to 25
- 25 to 32.5
- > 32.5

AQMA boundary

Local authority boundary

200 0 200 400 600 800 m

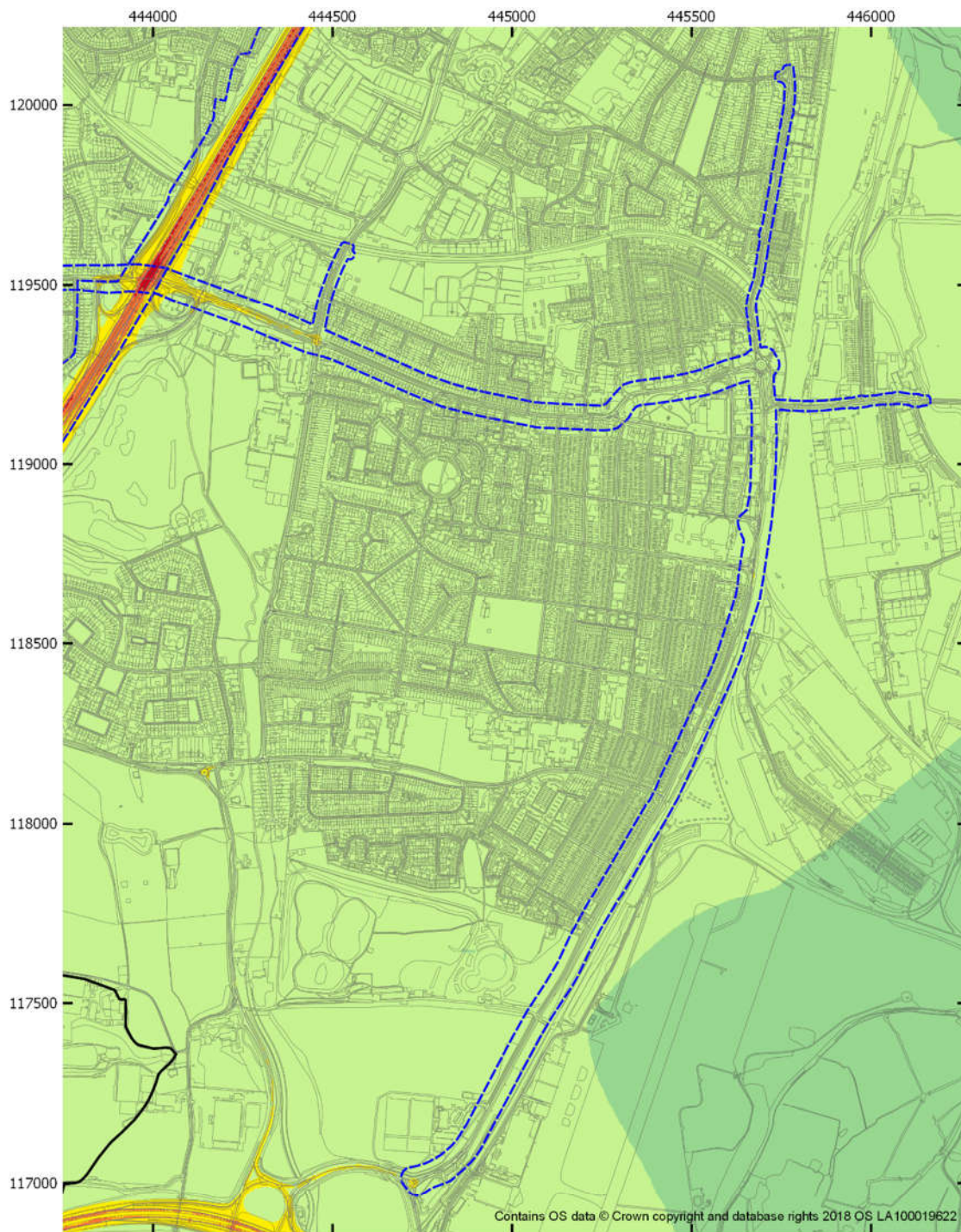
Figure 4-14 Annual mean PM_{2.5} concentration model results for 2036 SGO D1 scenario AQMA No. 1 (A335 / Eastleigh) (East)**Legend**Total modelled PM_{2.5} concentration (µg/m³)

- < 10
- 10 to 17.5
- 17.5 to 25
- 25 to 32.5
- > 32.5

AQMA boundary

Local authority boundary

200 0 200 400 600 800 m

Figure 4-16 Annual mean PM_{2.5} concentration model results for 2036 SGO E scenario AQMA No. 1 (A335 / Eastleigh) (East)**Legend**Total modelled PM_{2.5} concentration (µg/m³)

- < 10
- 10 to 17.5
- 17.5 to 25
- 25 to 32.5
- > 32.5

- AQMA boundary
- Local authority boundary

200 0 200 400 600 800 m

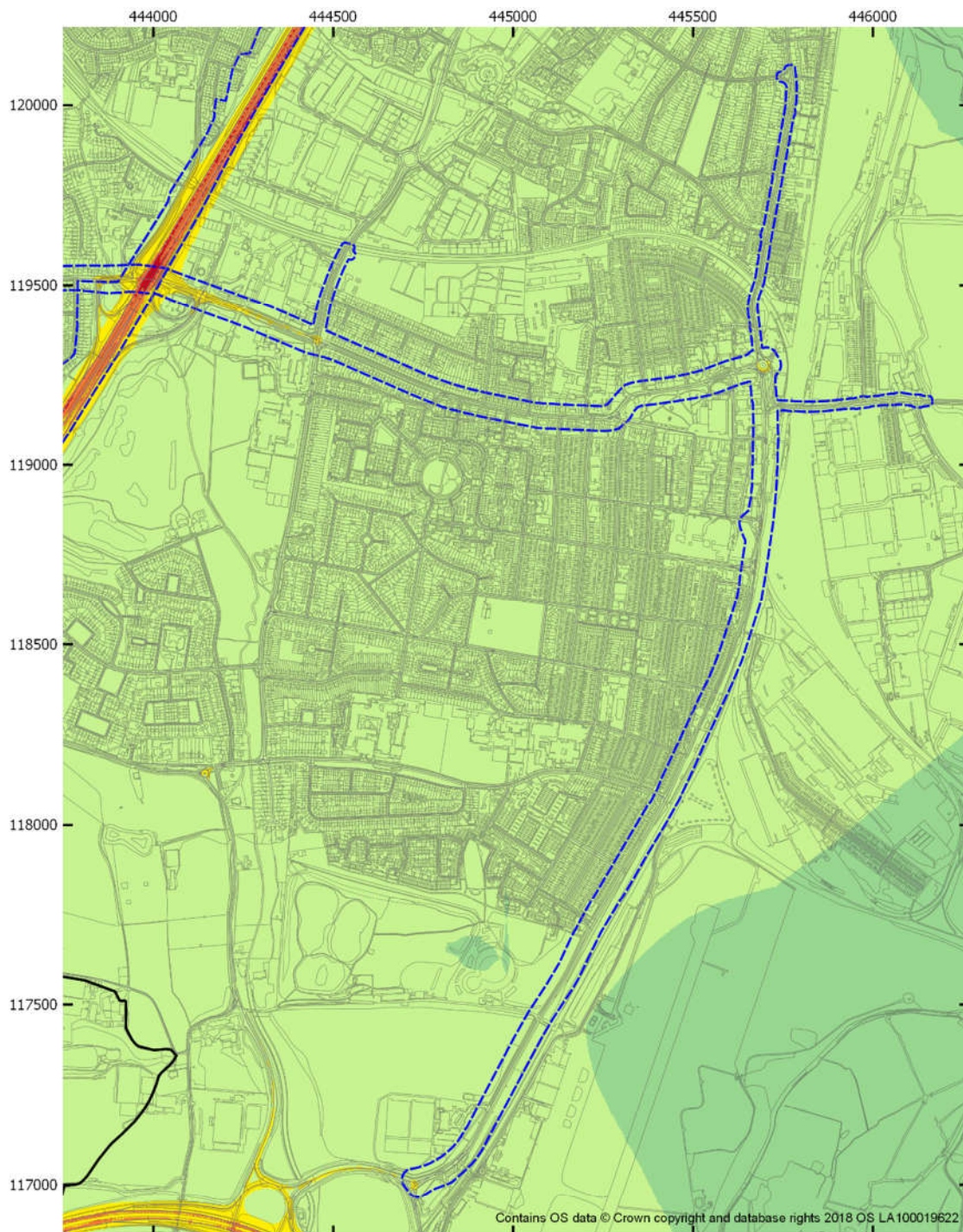
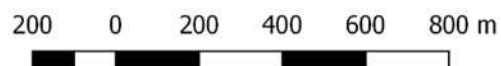
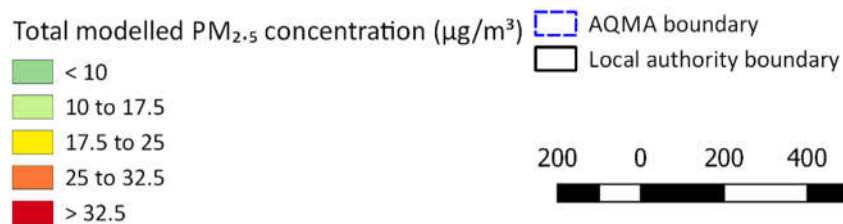
Figure 4-17 Annual mean PM_{2.5} concentration model results for 2036 Baseline AQMA No. 1 (A335 / Eastleigh) (East)**Legend**

Figure 4-18 Annual mean PM_{2.5} concentration model results for pseudo-2030 SGO C scenario AQMA No. 1 (A335 / Eastleigh) (West)



Legend

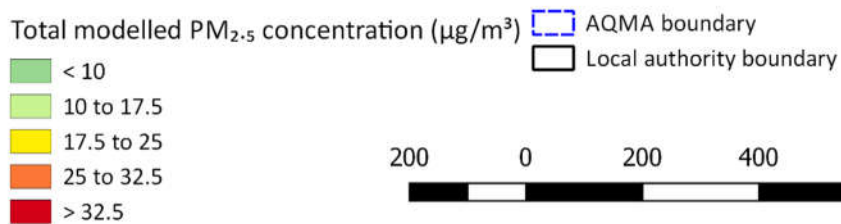


Figure 4-19 Annual mean PM_{2.5} concentration model results for pseudo-2030 SGO D1 scenario AQMA No. 1 (A335 / Eastleigh) (West)



Legend

Total modelled PM _{2.5} concentration (µg/m ³)		AQMA boundary
< 10		
10 to 17.5		
17.5 to 25		
25 to 32.5		
> 32.5		
		Local authority boundary

200 0 200 400 600 800 m








Figure 4-20 Annual mean PM_{2.5} concentration model results for pseudo-2030 SGO D2 scenario AQMA No. 1 (A335 / Eastleigh) (West)



Figure 4-21 Annual mean PM_{2.5} concentration model results for pseudo-2030 SGO E scenario AQMA No. 1 (A335 / Eastleigh) (West)



Figure 4-22 Annual mean PM_{2.5} concentration model results for 2036 SGO C scenario AQMA No. 1 (A335 / Eastleigh) (West)**Legend**

Total modelled PM _{2.5} concentration (µg/m ³)		AQMA boundary	
	< 10		AQMA boundary
	10 to 17.5		Local authority boundary
	17.5 to 25		
	25 to 32.5		
	> 32.5		

200 0 200 400 600 800 m

Figure 4-23 Annual mean PM_{2.5} concentration model results for 2036 SGO D1 scenario AQMA No. 1 (A335 / Eastleigh) (West)

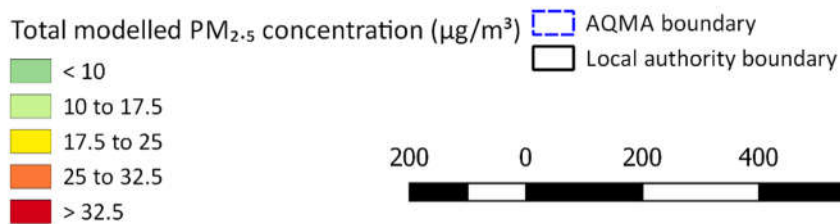







Figure 4-24 Annual mean PM_{2.5} concentration model results for 2036 SGO D2 scenario AQMA No. 1 (A335 / Eastleigh) (West)**Legend**

Figure 4-25 Annual mean PM_{2.5} concentration model results for 2036 SGO E scenario AQMA No. 1 (A335 / Eastleigh) (West)

Figure 4-26 Annual mean PM_{2.5} concentration model results for 2036 Baseline AQMA No. 1 (A335 / Eastleigh) (West)**Legend**

Total modelled PM _{2.5} concentration (µg/m ³)		AQMA boundary	
	< 10		AQMA boundary
	10 to 17.5		Local authority boundary
	17.5 to 25		
	25 to 32.5		
	> 32.5		

200 0 200 400 600 800 m

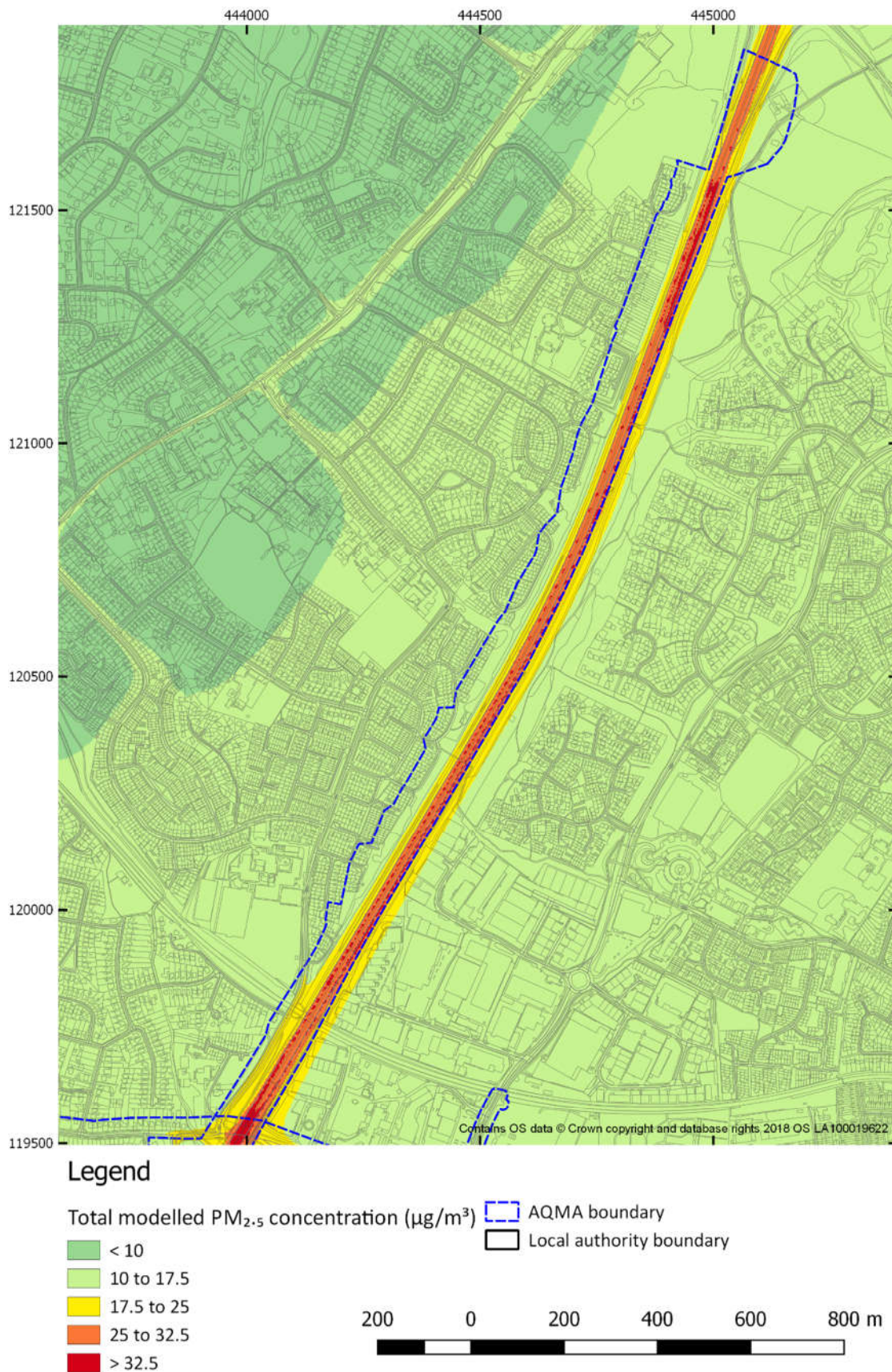
Figure 4-27 Annual mean PM_{2.5} concentration model results for pseudo-2030 SGO C scenario AQMA No. 2 (M3) (North)

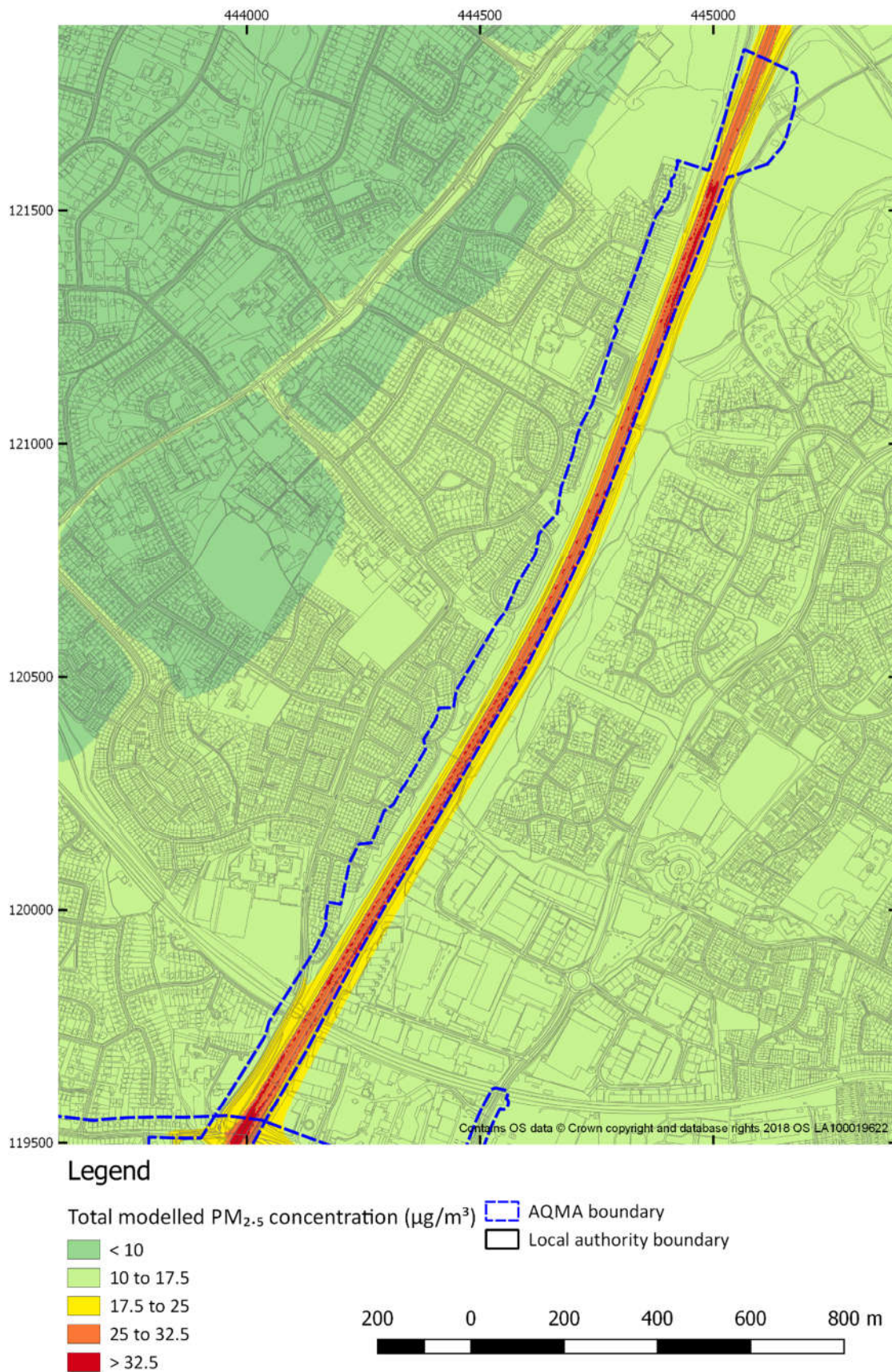
Figure 4-28 Annual mean PM_{2.5} concentration model results for pseudo-2030 SGO D1 scenario AQMA No. 2 (M3) (North)

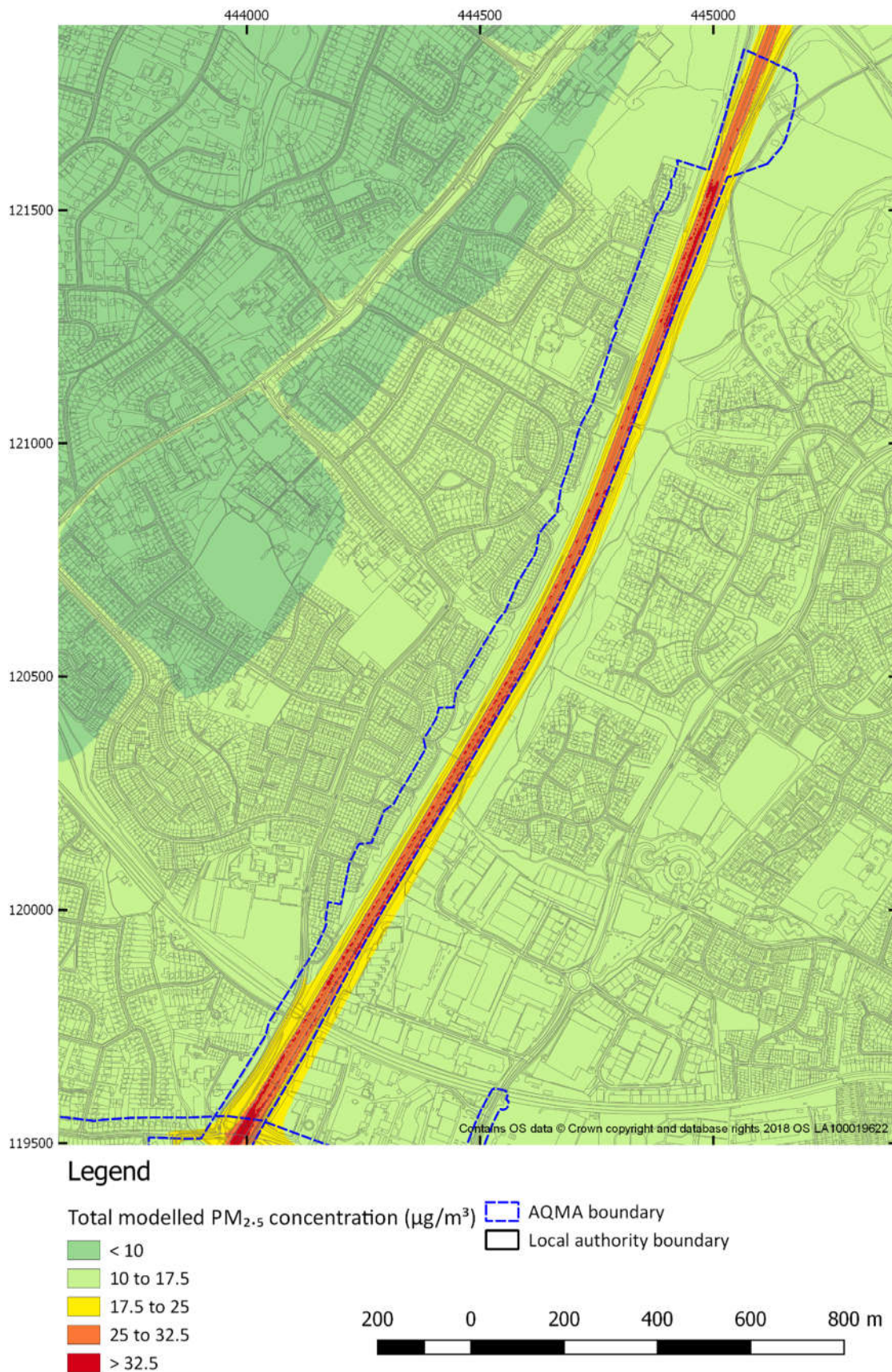
Figure 4-29 Annual mean PM_{2.5} concentration model results for pseudo-2030 SGO D2 scenario AQMA No. 2 (M3) (North)

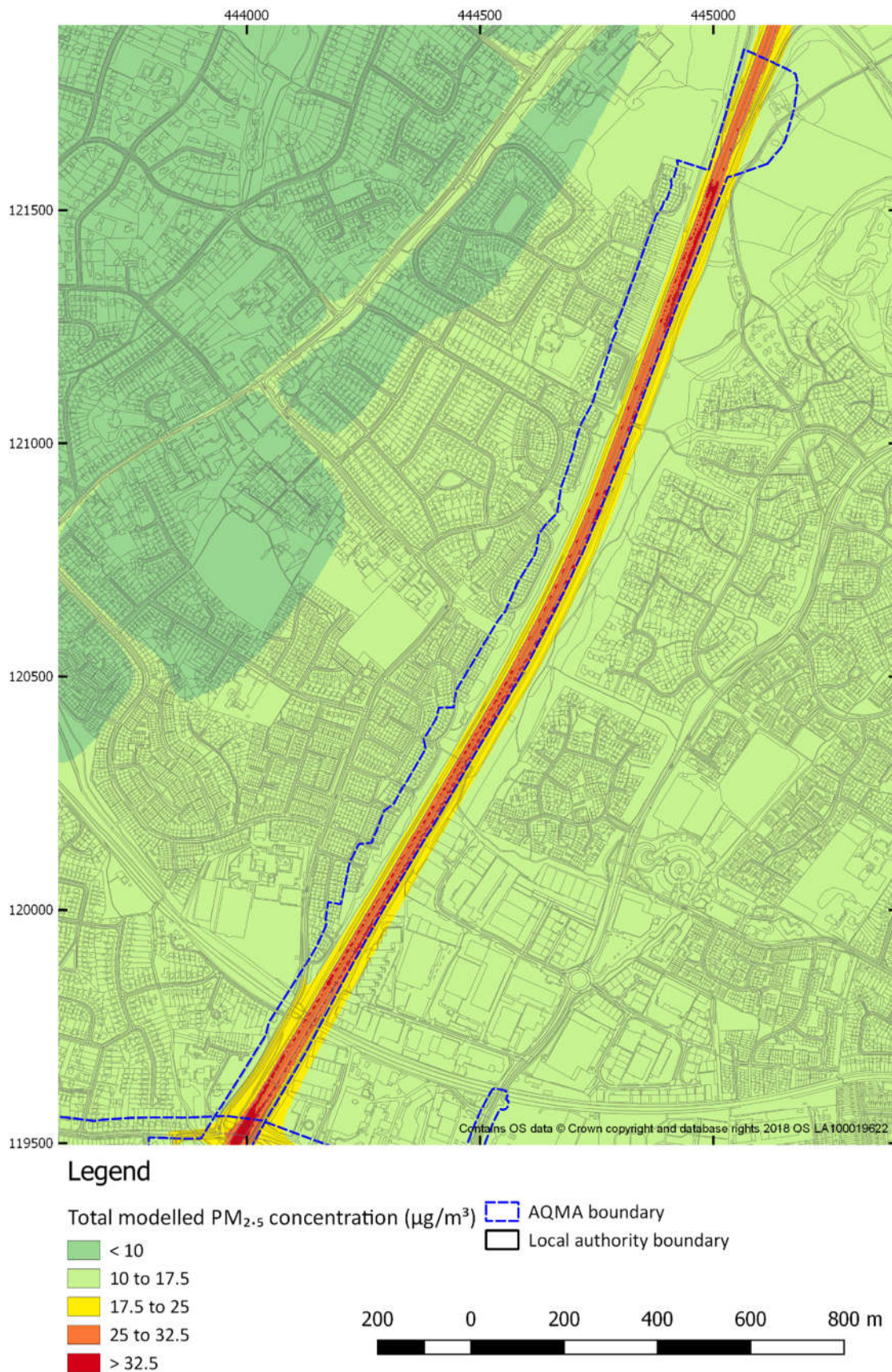
Figure 4-30 Annual mean PM_{2.5} concentration model results for pseudo-2030 SGO E scenario AQMA No. 2 (M3) (North)

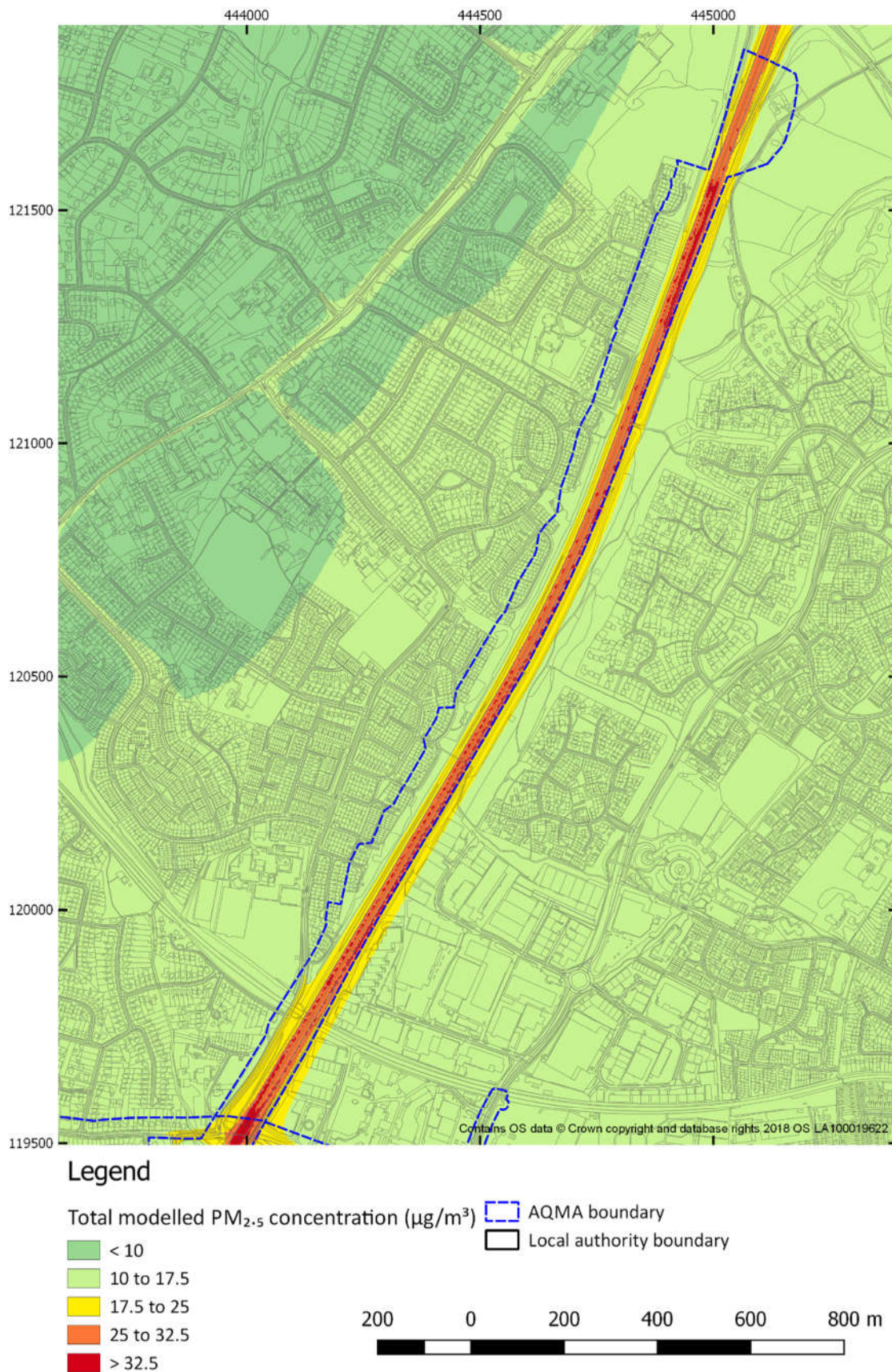
Figure 4-31 Annual mean PM_{2.5} concentration model results for 2036 SGO C scenario AQMA No. 2 (M3) (North)

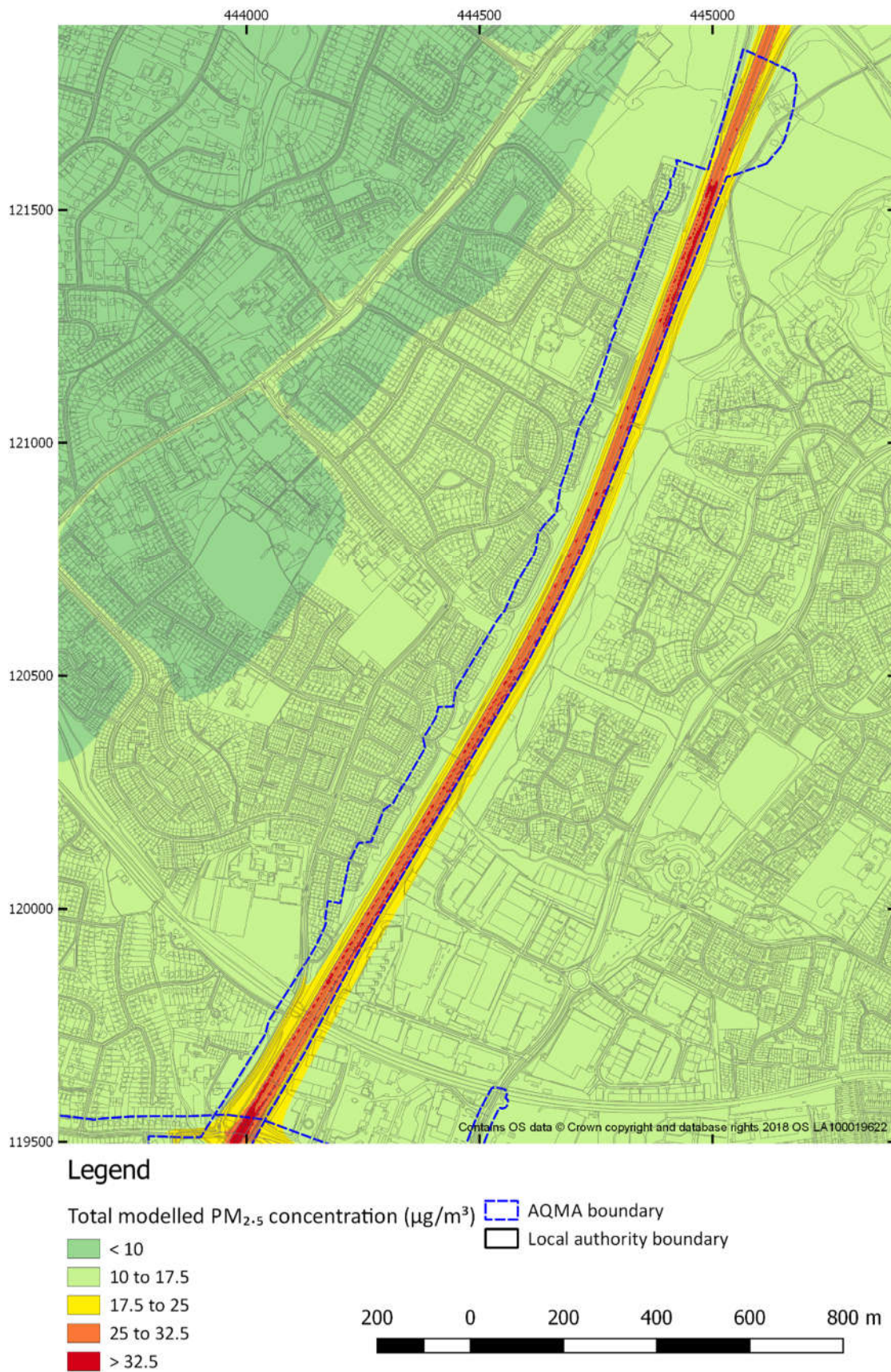
Figure 4-32 Annual mean PM_{2.5} concentration model results for 2036 SGO D1 scenario AQMA No. 2 (M3) (North)

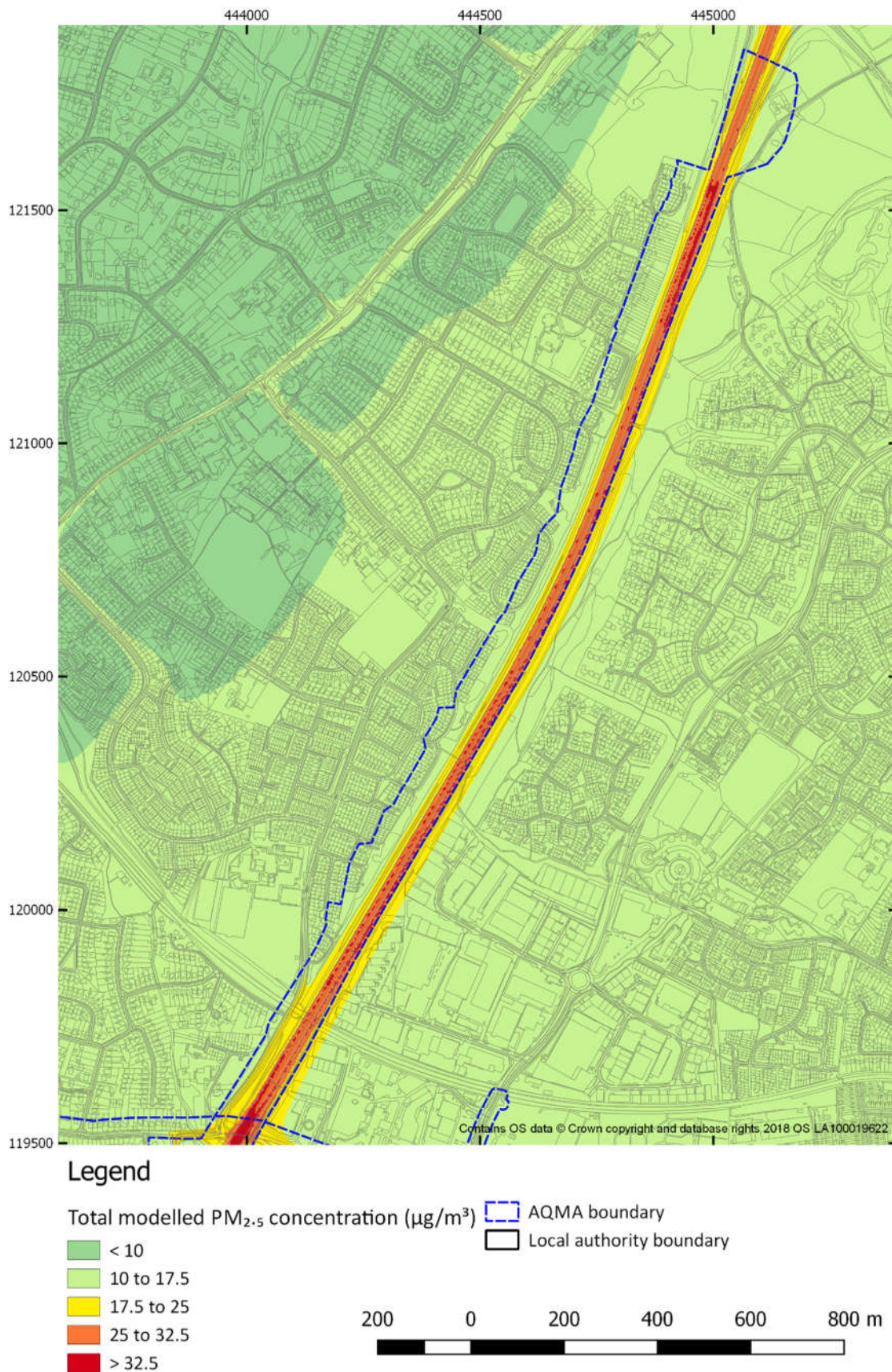
Figure 4-33 Annual mean PM_{2.5} concentration model results for 2036 SGO D2 scenario AQMA No. 2 (M3) (North)

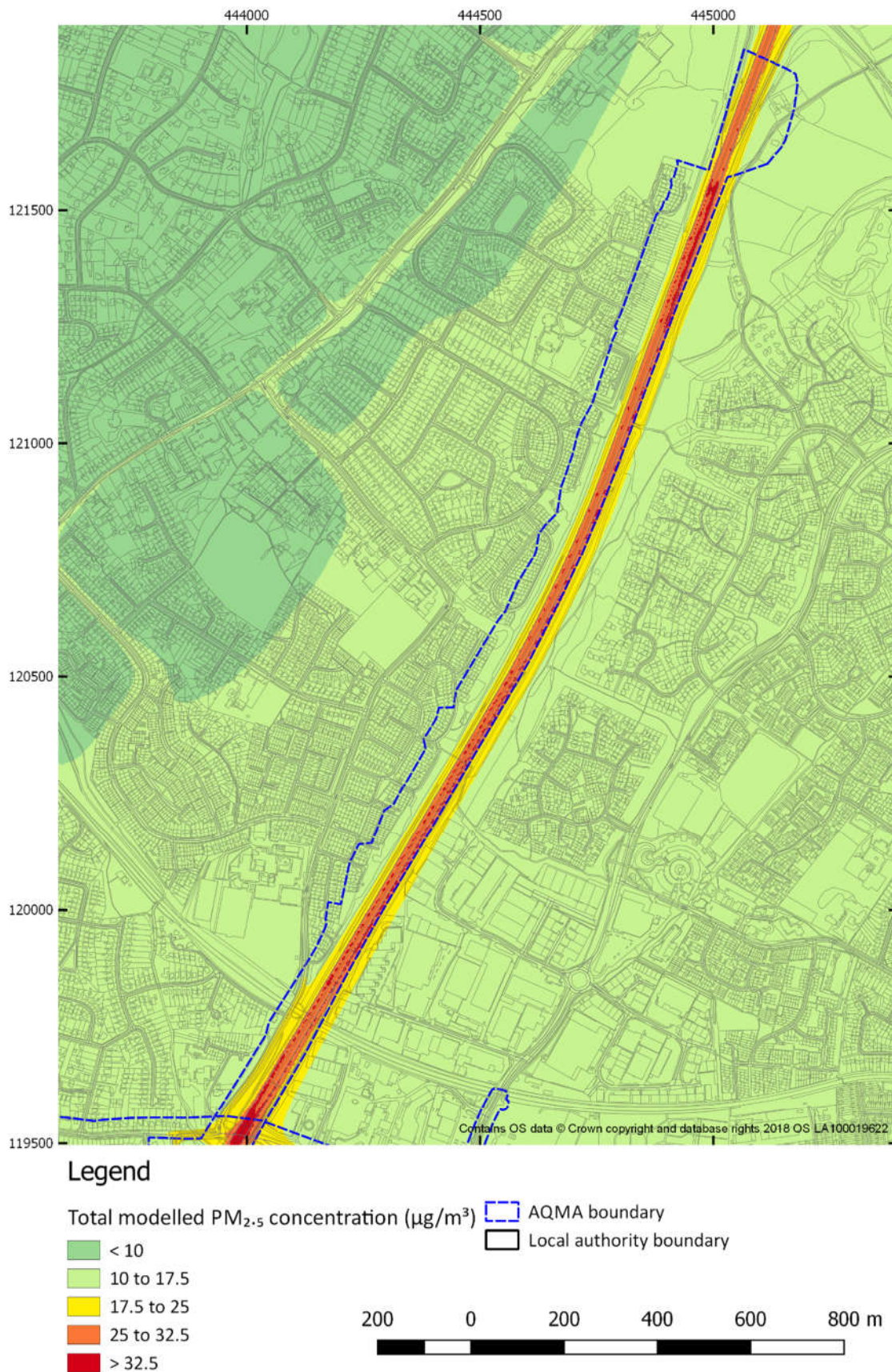
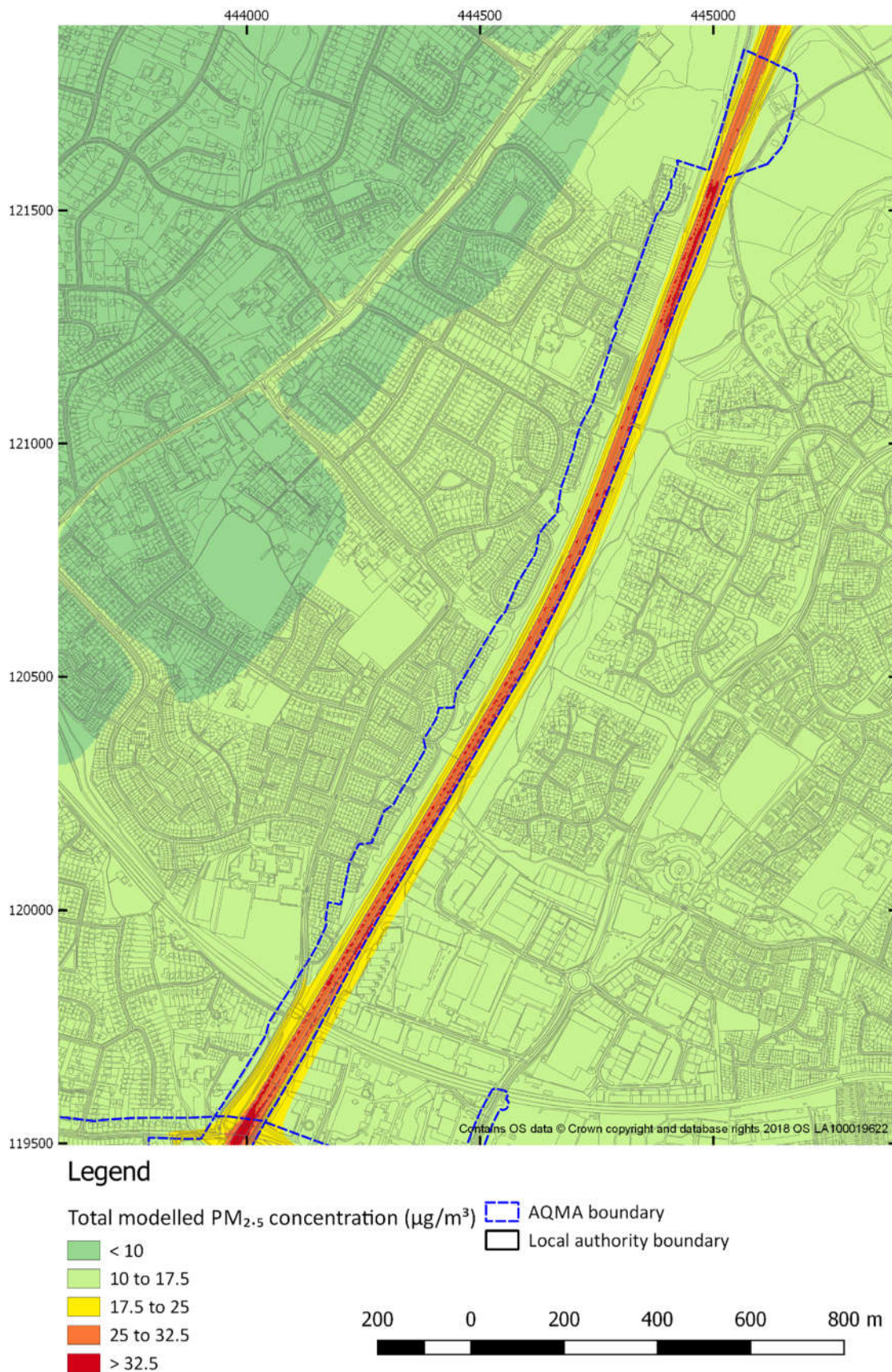
Figure 4-34 Annual mean PM_{2.5} concentration model results for 2036 SGO E scenario AQMA No. 2 (M3) (North)

Figure 4-35 Annual mean PM_{2.5} concentration model results for 2036 Baseline AQMA No. 2 (M3) (North)

4.3 AQMA 3

Figure 4-36 Annual mean PM_{2.5} concentration model results for pseudo-2030 SGO C scenario AQMA No. 3 (Hamble Lane)

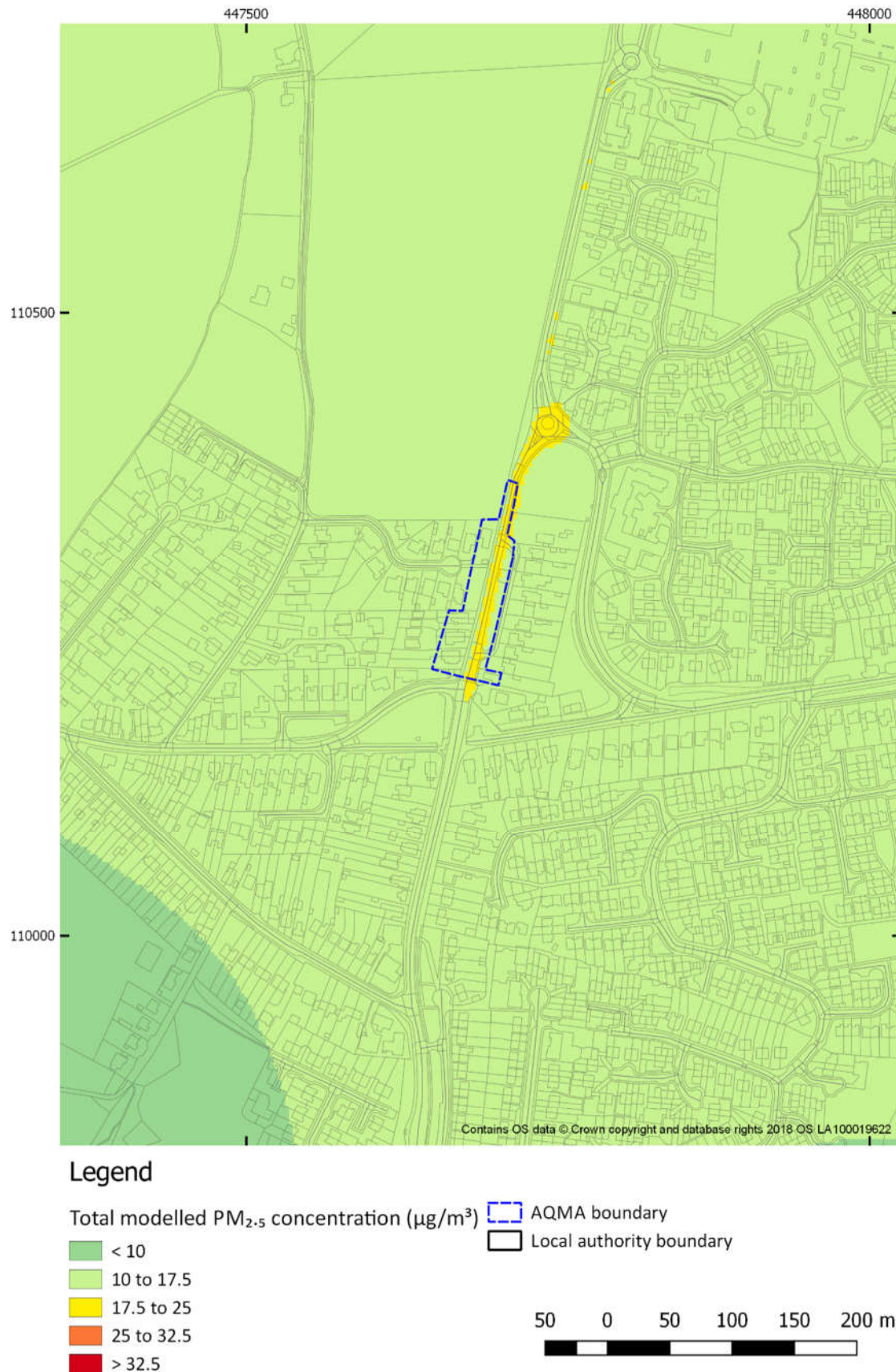
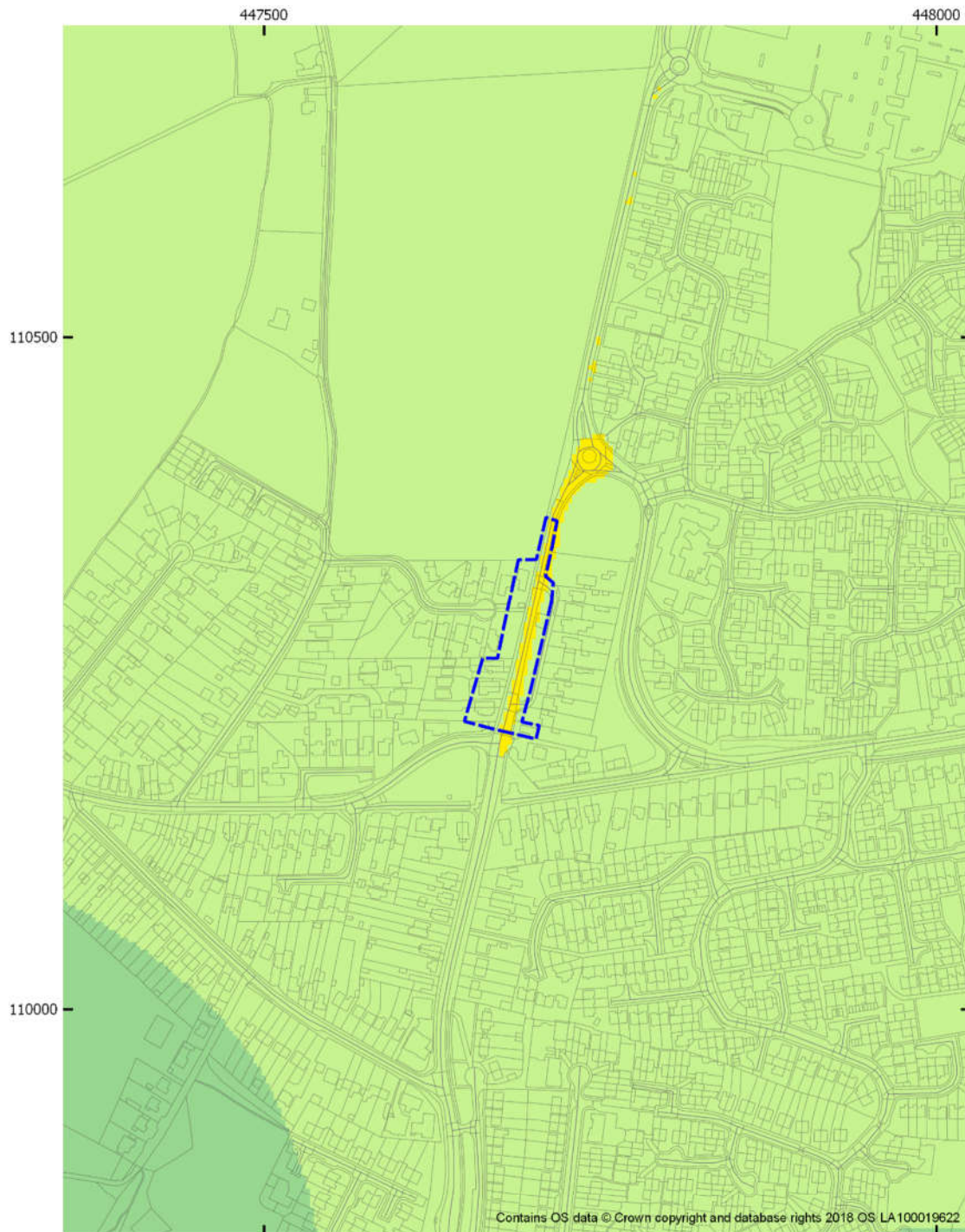


Figure 4-37 Annual mean PM_{2.5} concentration model results for pseudo-2030 SGO D1 scenario AQMA No. 3 (Hamble Lane)



Legend

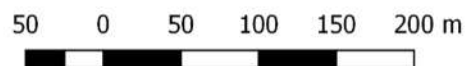
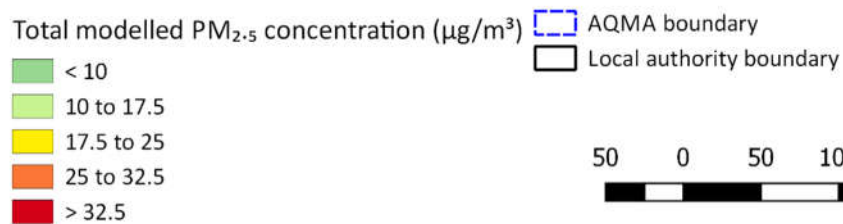
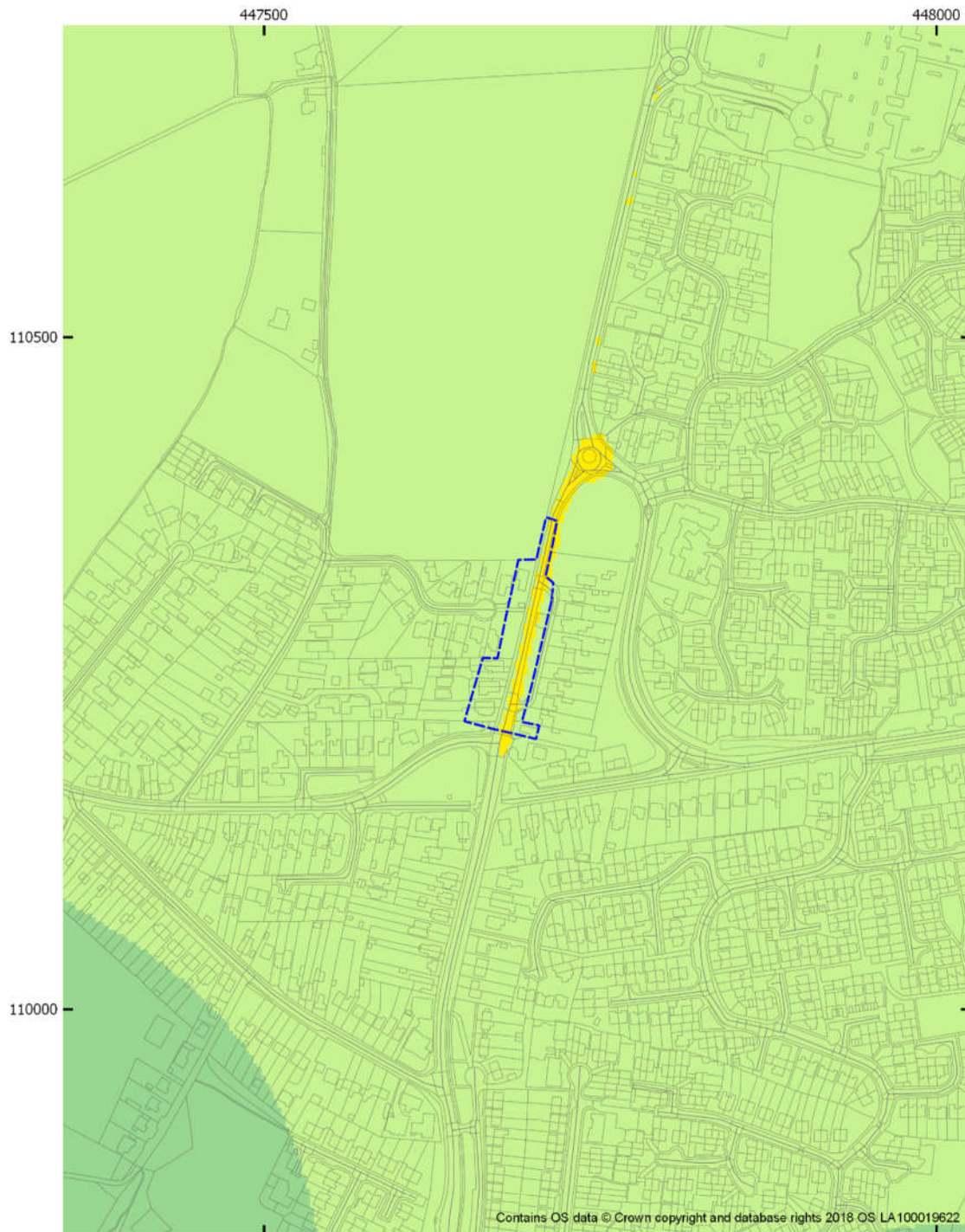


Figure 4-38 Annual mean PM_{2.5} concentration model results for pseudo-2030 SGO D2 scenario AQMA No. 3 (Hamble Lane)



Legend

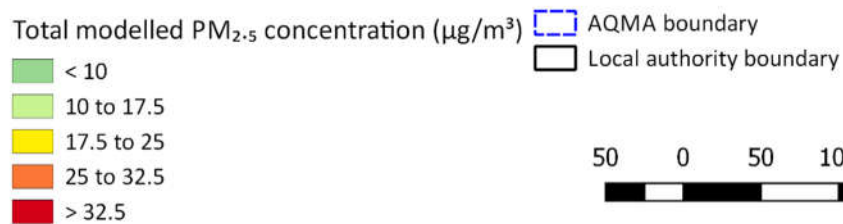
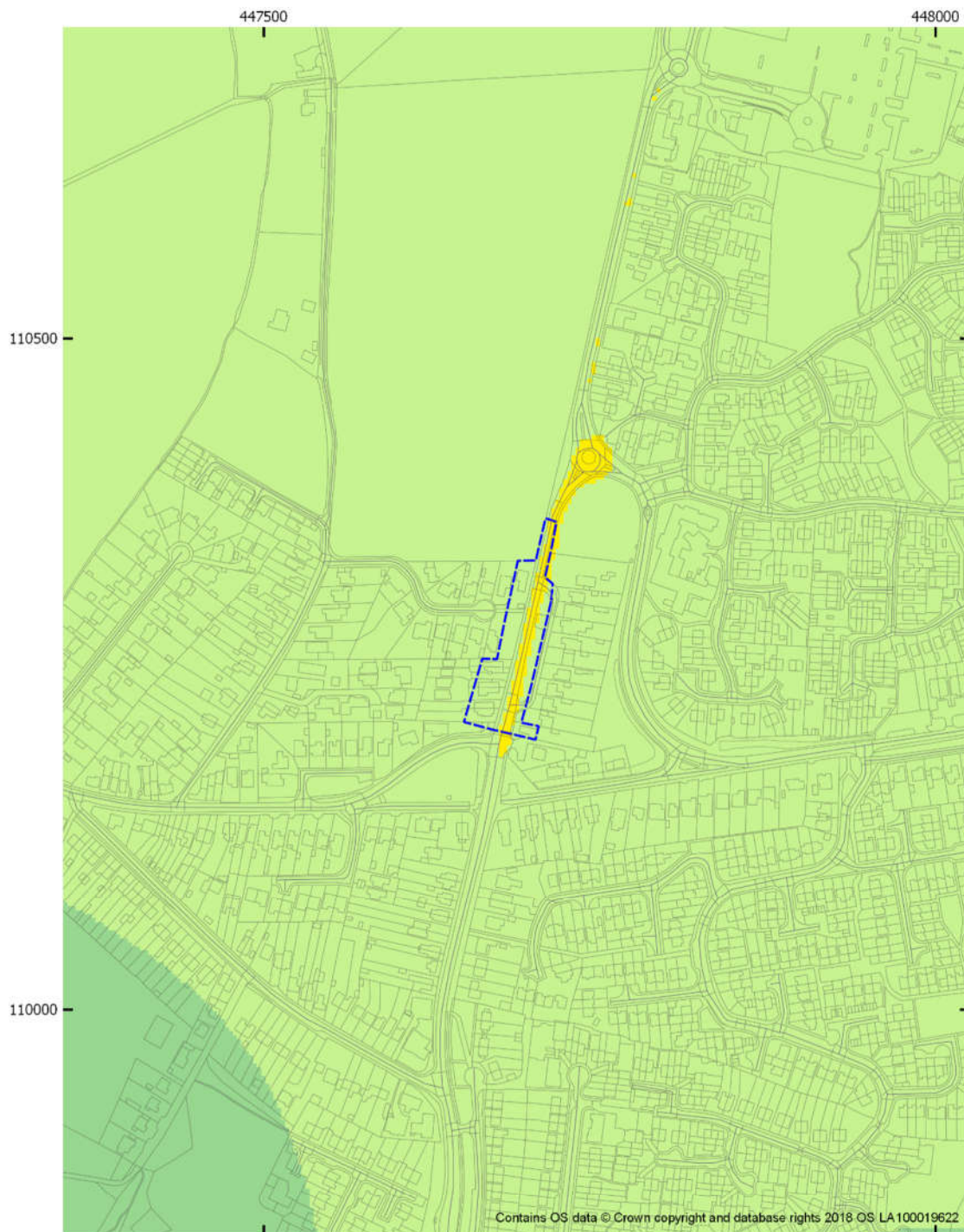


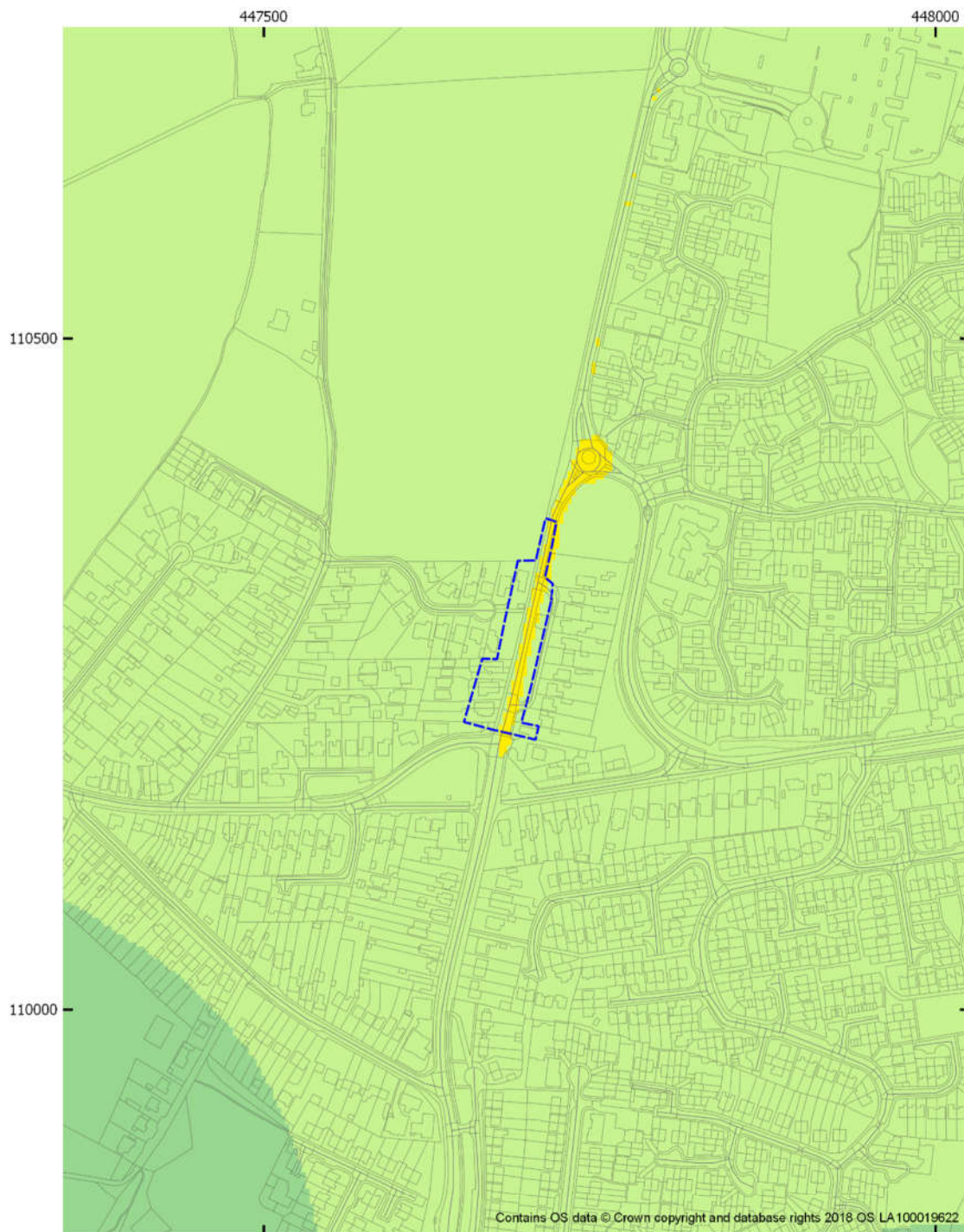
Figure 4-39 Annual mean PM_{2.5} concentration model results for pseudo-2030 SGO E scenario AQMA No. 3 (Hamble Lane)



Legend

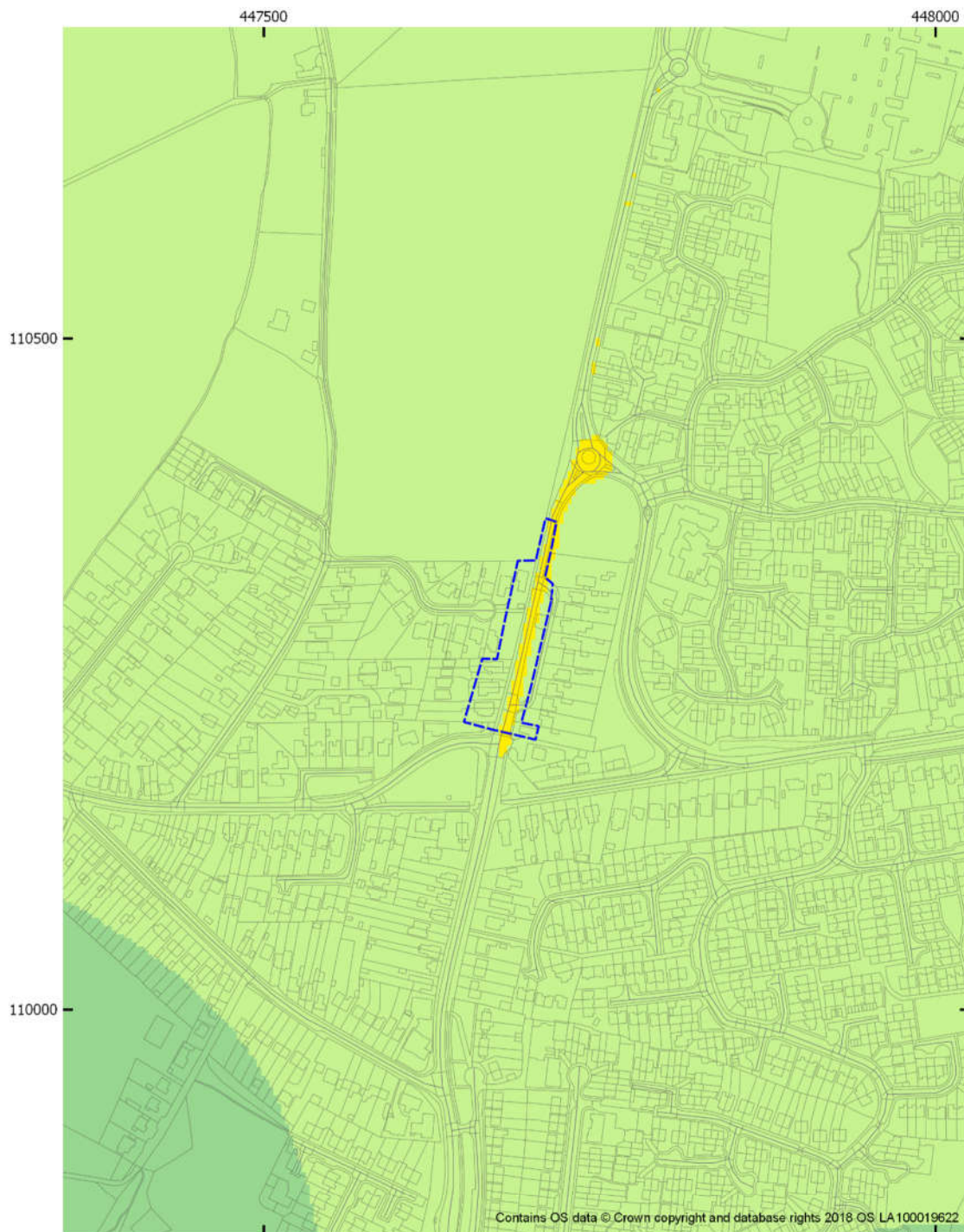
Total modelled PM _{2.5} concentration (µg/m ³)		AQMA boundary	
< 10			
10 to 17.5			
17.5 to 25			
25 to 32.5			
> 32.5			
		Local authority boundary	








50 0 50 100 150 200 m

Figure 4-40 Annual mean PM_{2.5} concentration model results for 2036 SGO C scenario AQMA No. 3 (Hamble Lane)**Legend**

Total modelled PM _{2.5} concentration (µg/m ³)		AQMA boundary	
< 10			
10 to 17.5			
17.5 to 25			
25 to 32.5			
> 32.5			
		Local authority boundary	

50 0 50 100 150 200 m

Figure 4-41 Annual mean PM_{2.5} concentration model results for 2036 SGO D1 scenario AQMA No. 3 (Hamble Lane)**Legend**

Total modelled PM _{2.5} concentration (µg/m ³)		AQMA boundary	
	< 10		AQMA boundary
	10 to 17.5		Local authority boundary
	17.5 to 25		
	25 to 32.5		
	> 32.5		

50 0 50 100 150 200 m


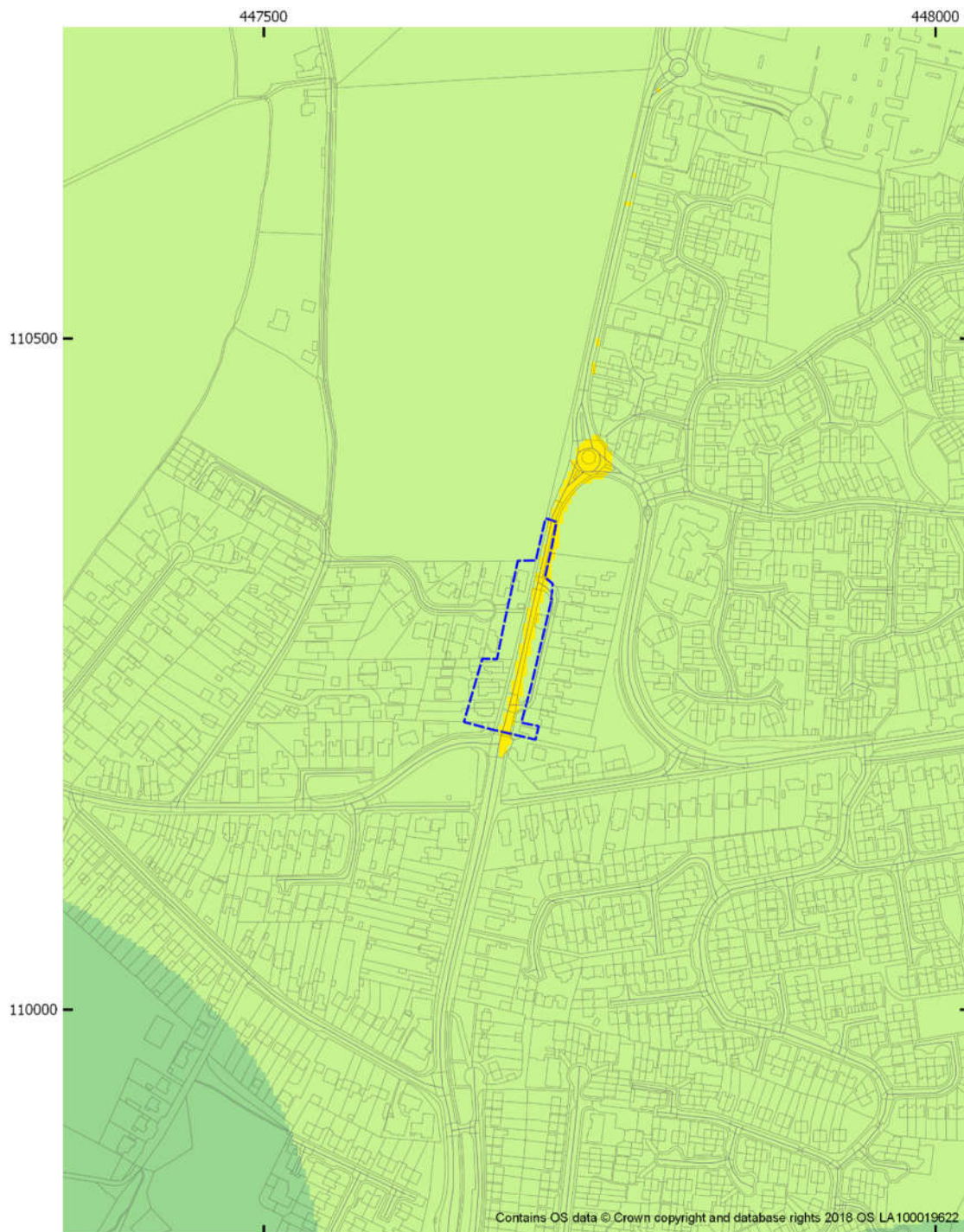









Figure 4-42 Annual mean PM_{2.5} concentration model results for 2036 SGO D2 scenario AQMA No. 3 (Hamble Lane)**Legend**

Total modelled PM _{2.5} concentration (µg/m ³)		AQMA boundary	
	< 10		AQMA boundary
	10 to 17.5		Local authority boundary
	17.5 to 25		
	25 to 32.5		
	> 32.5		

50 0 50 100 150 200 m


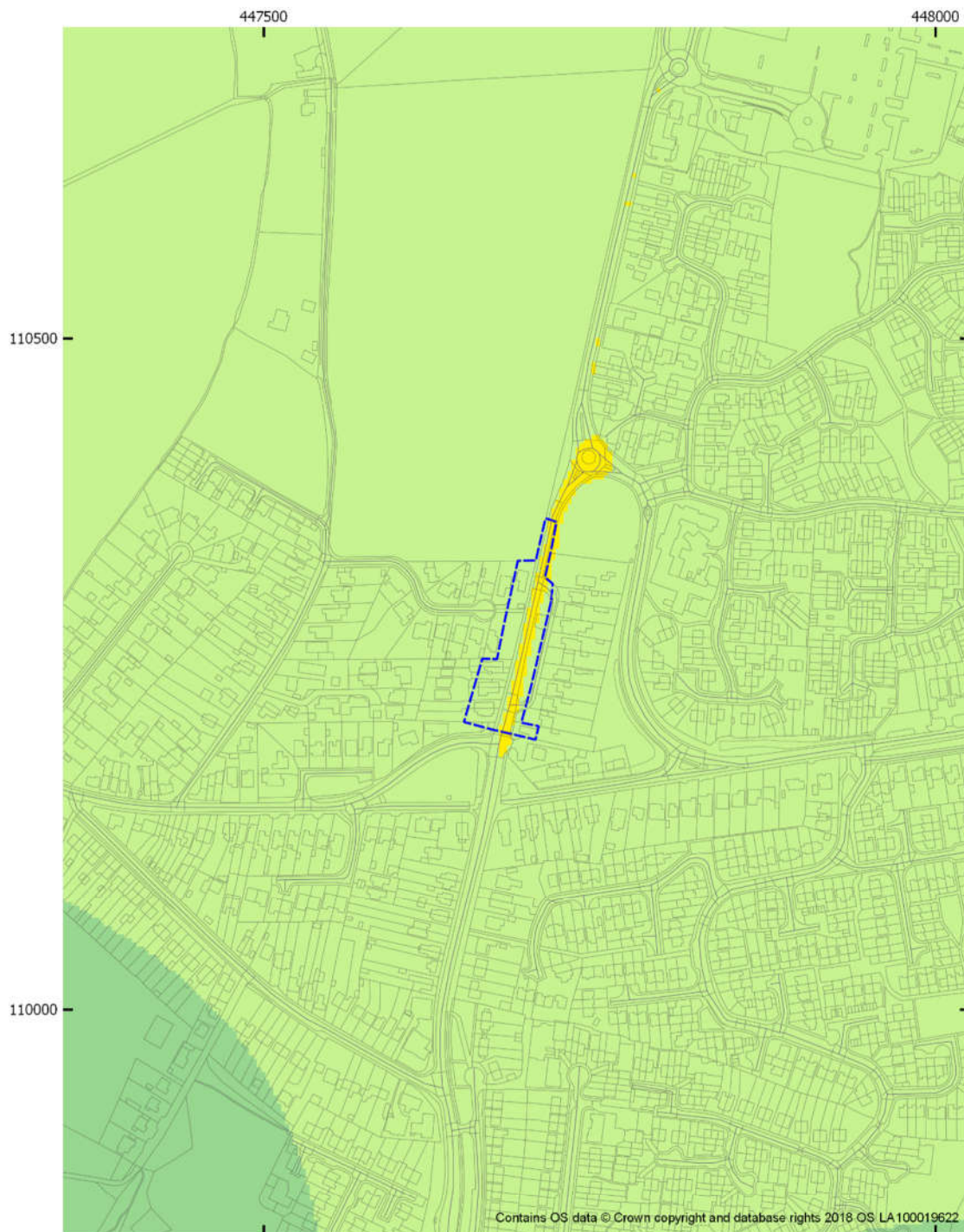
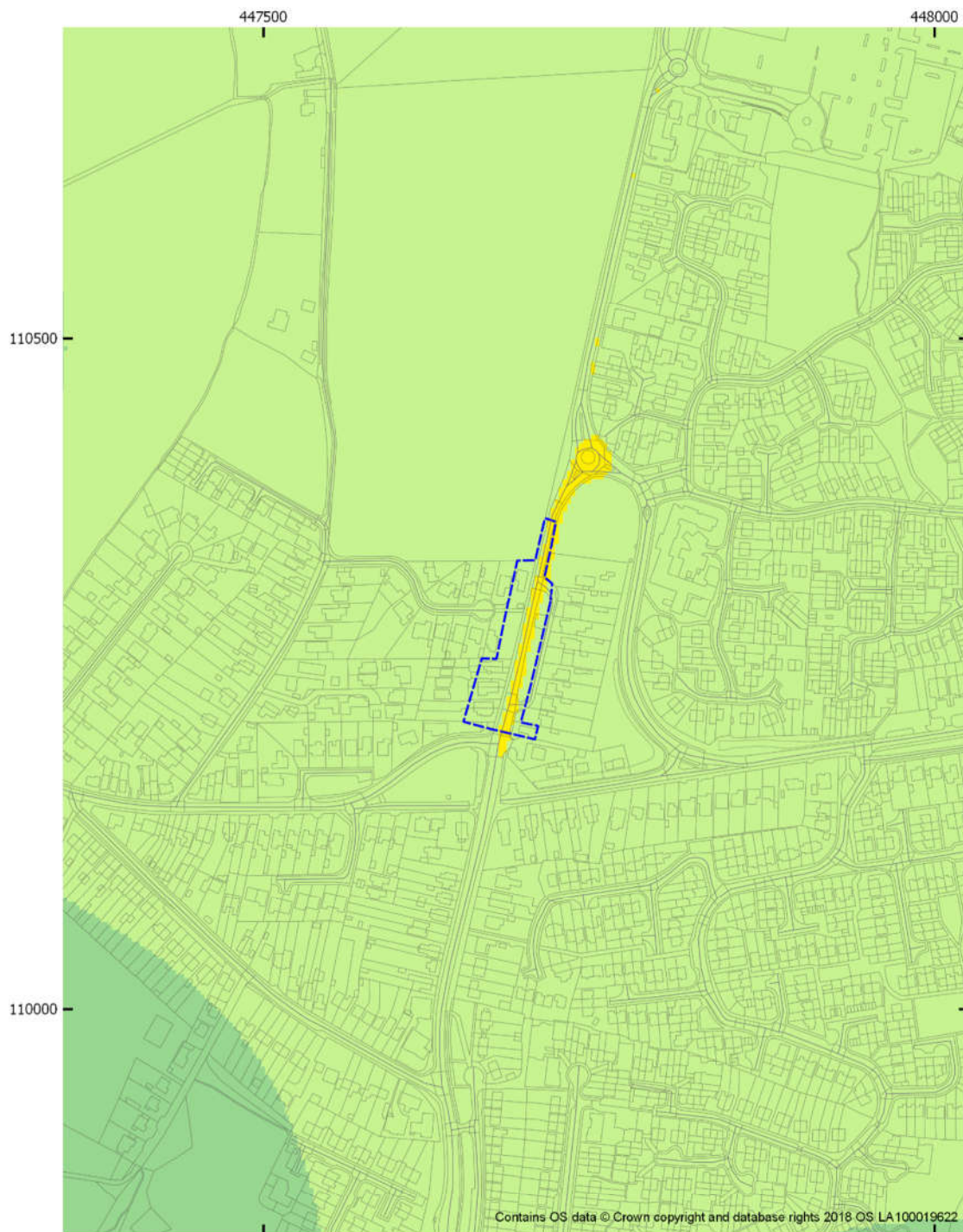
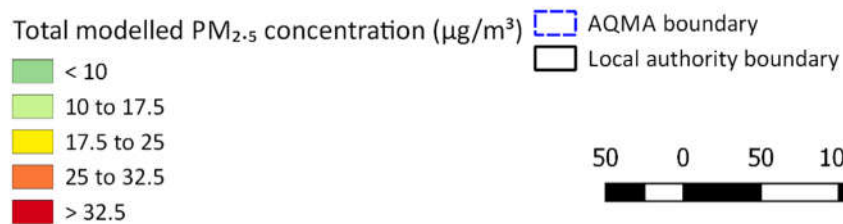


Figure 4-43 Annual mean PM_{2.5} concentration model results for 2036 SGO E scenario AQMA No. 3 (Hamble Lane)**Legend**

Total modelled PM _{2.5} concentration (µg/m ³)		AQMA boundary	
< 10			
10 to 17.5			
17.5 to 25			
25 to 32.5			
> 32.5			
		Local authority boundary	

50 0 50 100 150 200 m

Figure 4-44 Annual mean PM_{2.5} concentration model results for 2036 Baseline AQMA No. 3 (Hamble Lane)**Legend**

4.4 AQMA 4

Figure 4-45 Annual mean PM_{2.5} concentration model results for pseudo-2030 SGO C scenario AQMA No. 4 (High Street Botley)

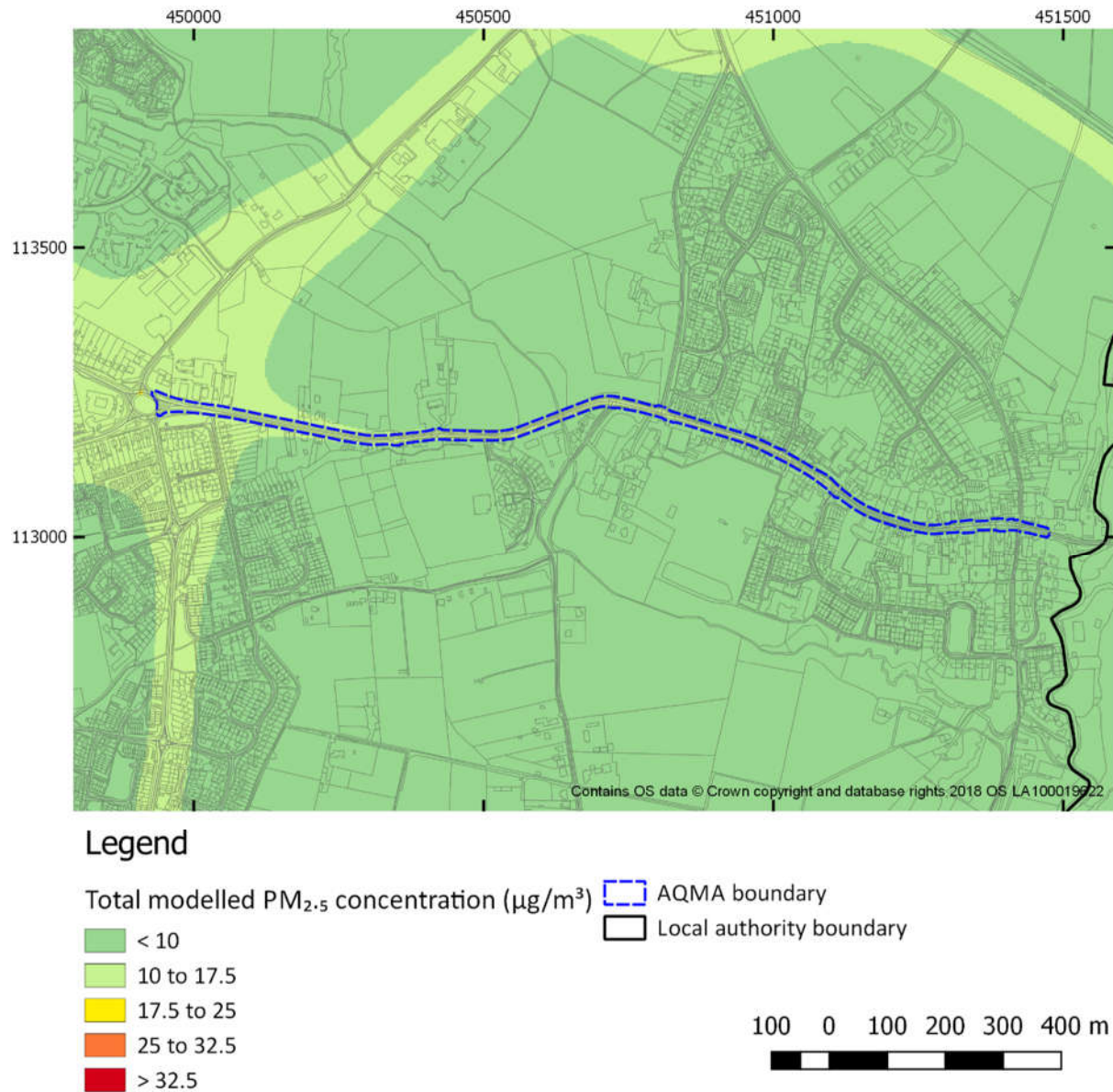


Figure 4-46 Annual mean PM_{2.5} concentration model results for pseudo-2030 SGO D1 scenario AQMA No. 4 (High Street Botley)

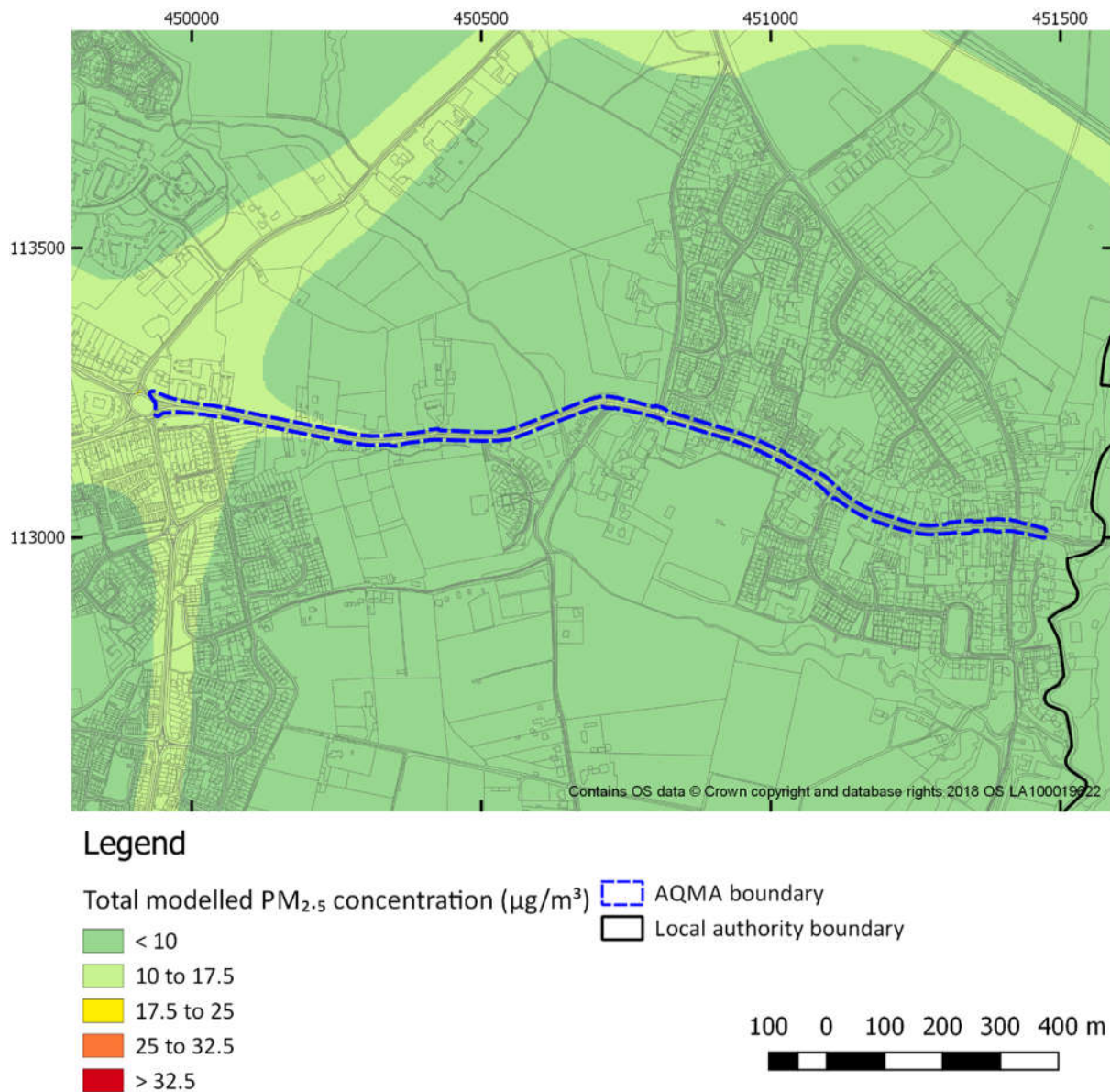


Figure 4-47 Annual mean PM_{2.5} concentration model results for pseudo-2030 SGO D2 scenario AQMA No. 4 (High Street Botley)

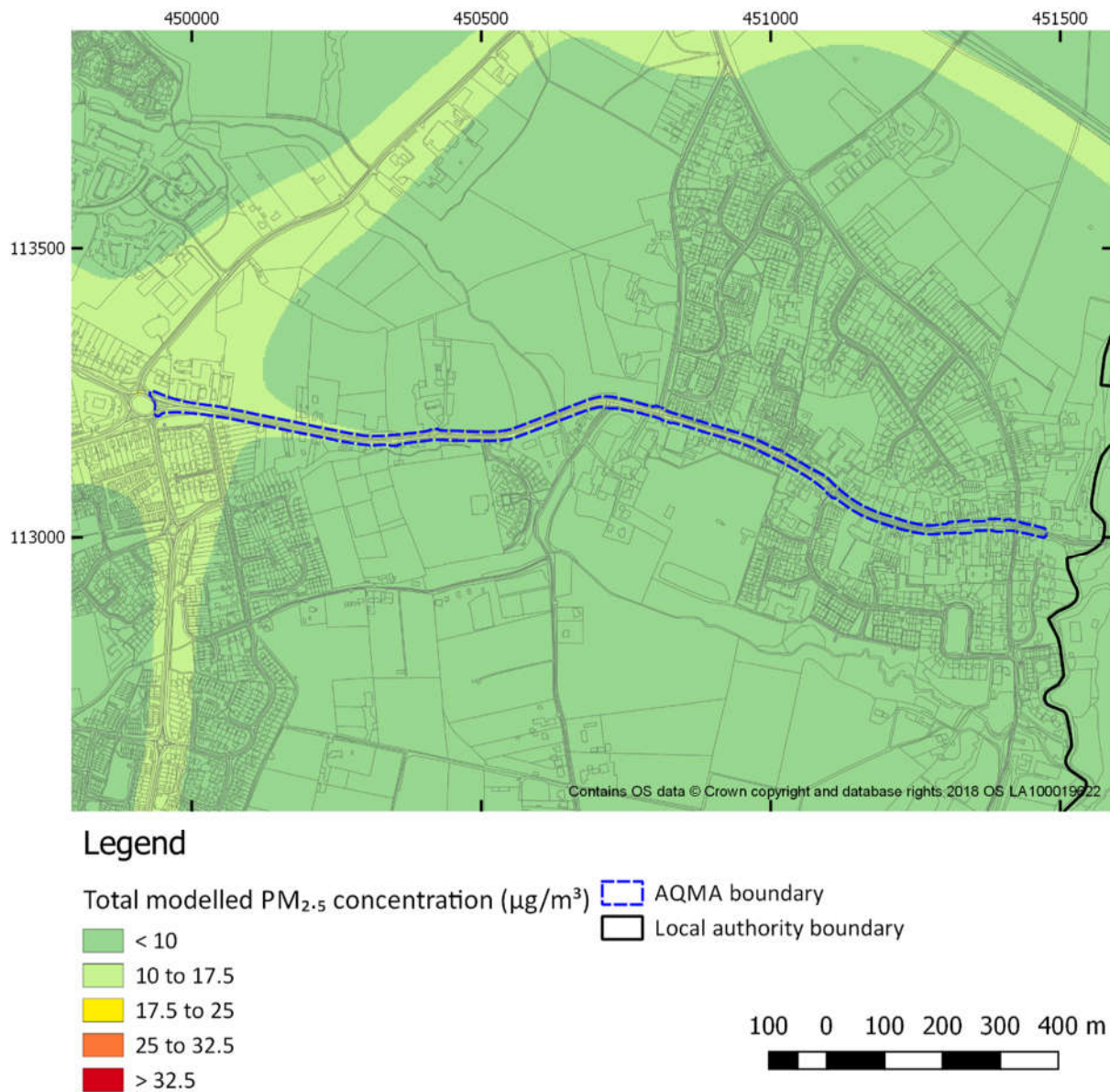


Figure 4-48 Annual mean PM_{2.5} concentration model results for pseudo-2030 SGO E scenario AQMA No. 4 (High Street Botley)

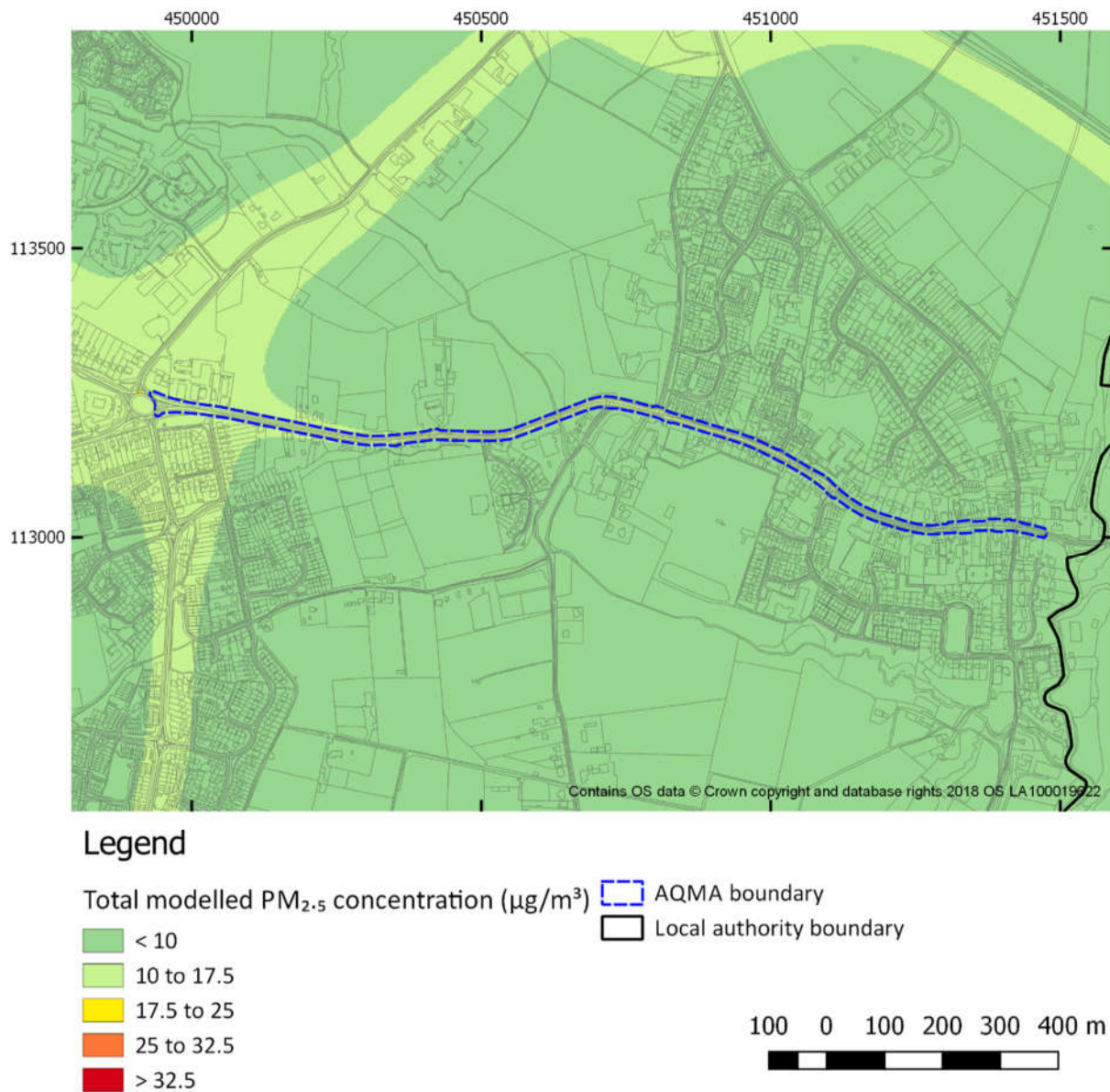


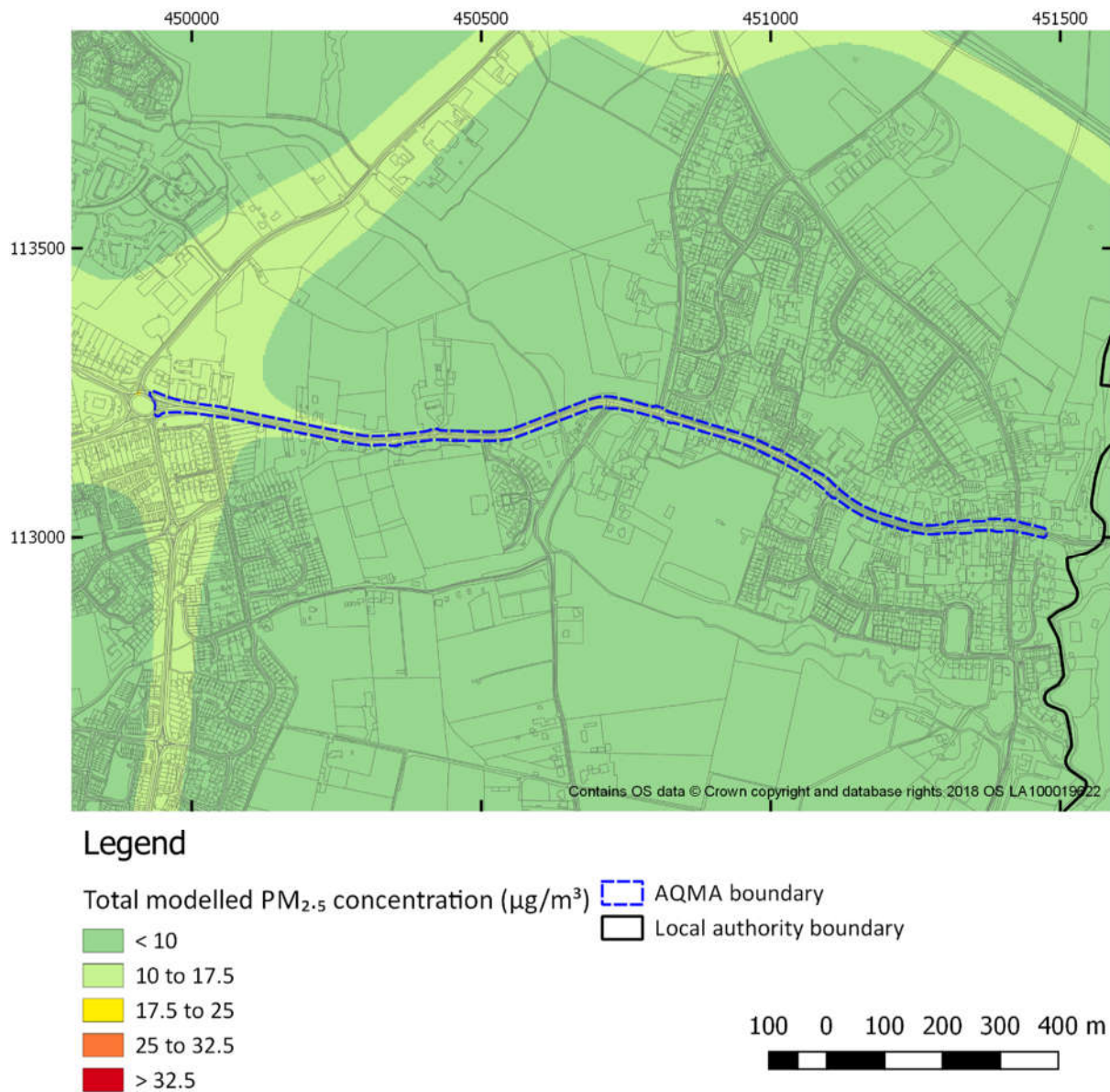
Figure 4-49 Annual mean PM_{2.5} concentration model results for 2036 SGO C scenario AQMA No. 4 (High Street Botley)

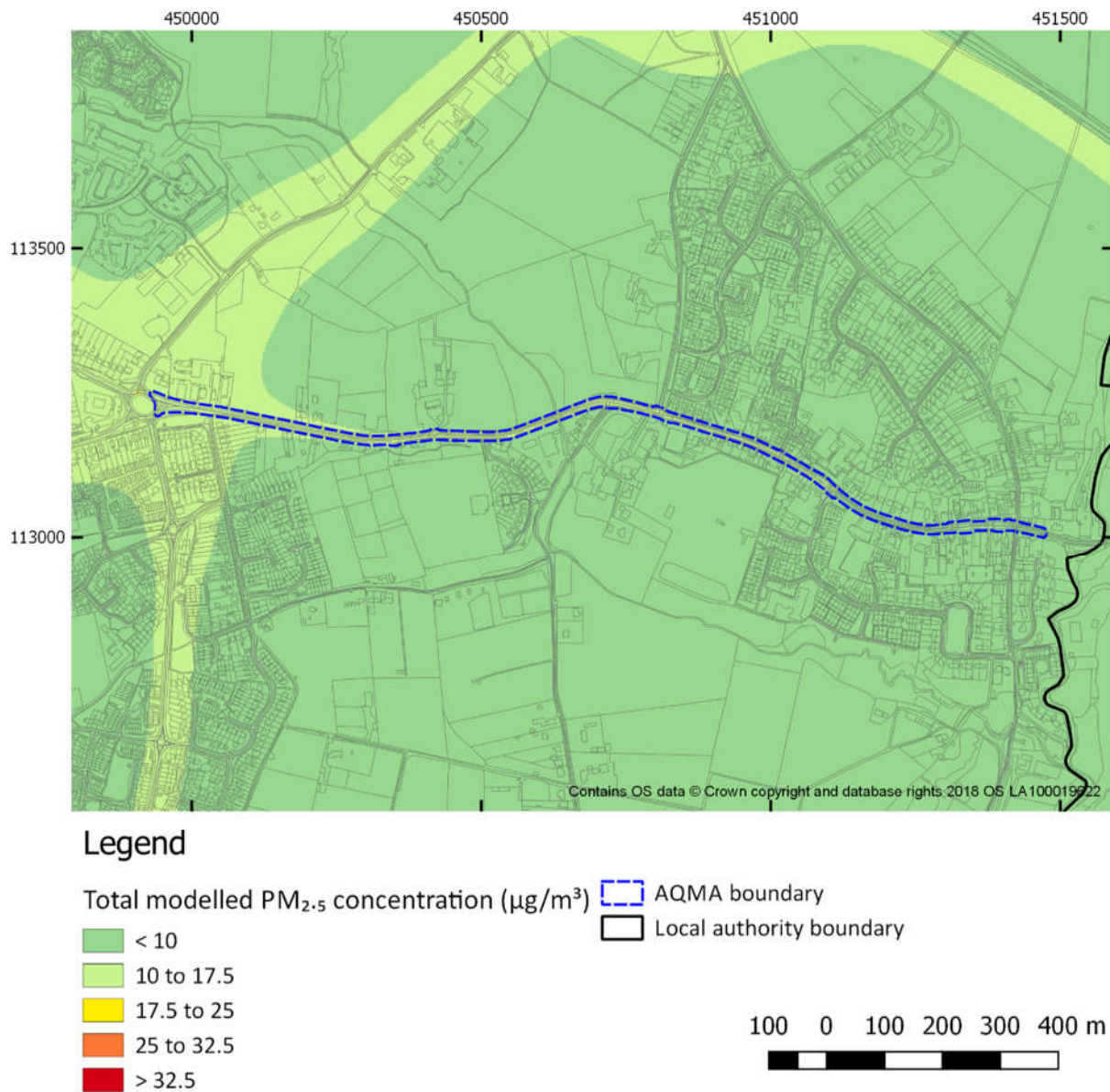
Figure 4-50 Annual mean PM_{2.5} concentration model results for 2036 SGO D1 scenario AQMA No. 4 (High Street Botley)

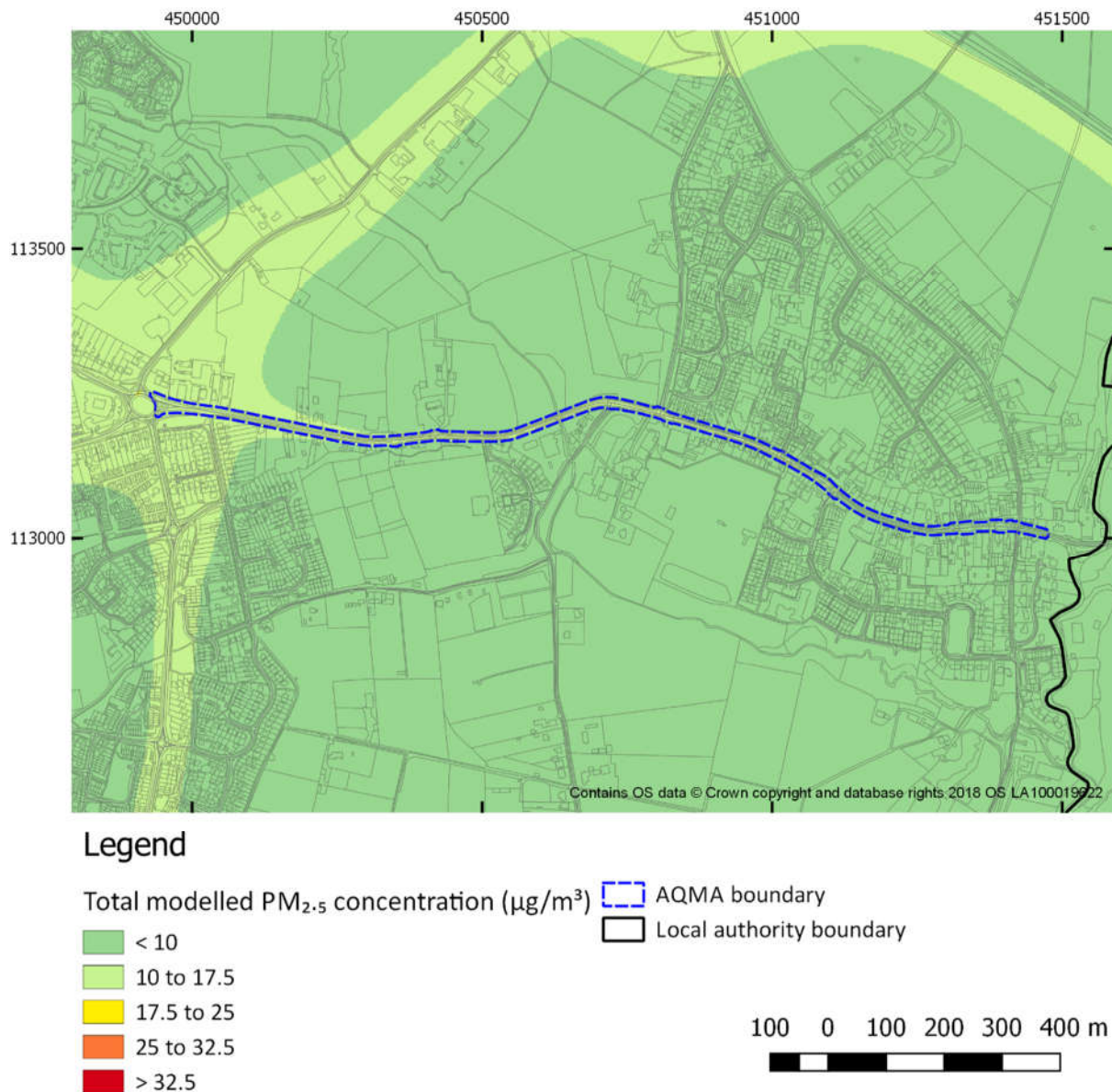
Figure 4-51 Annual mean PM_{2.5} concentration model results for 2036 SGO D2 scenario AQMA No. 4 (High Street Botley)

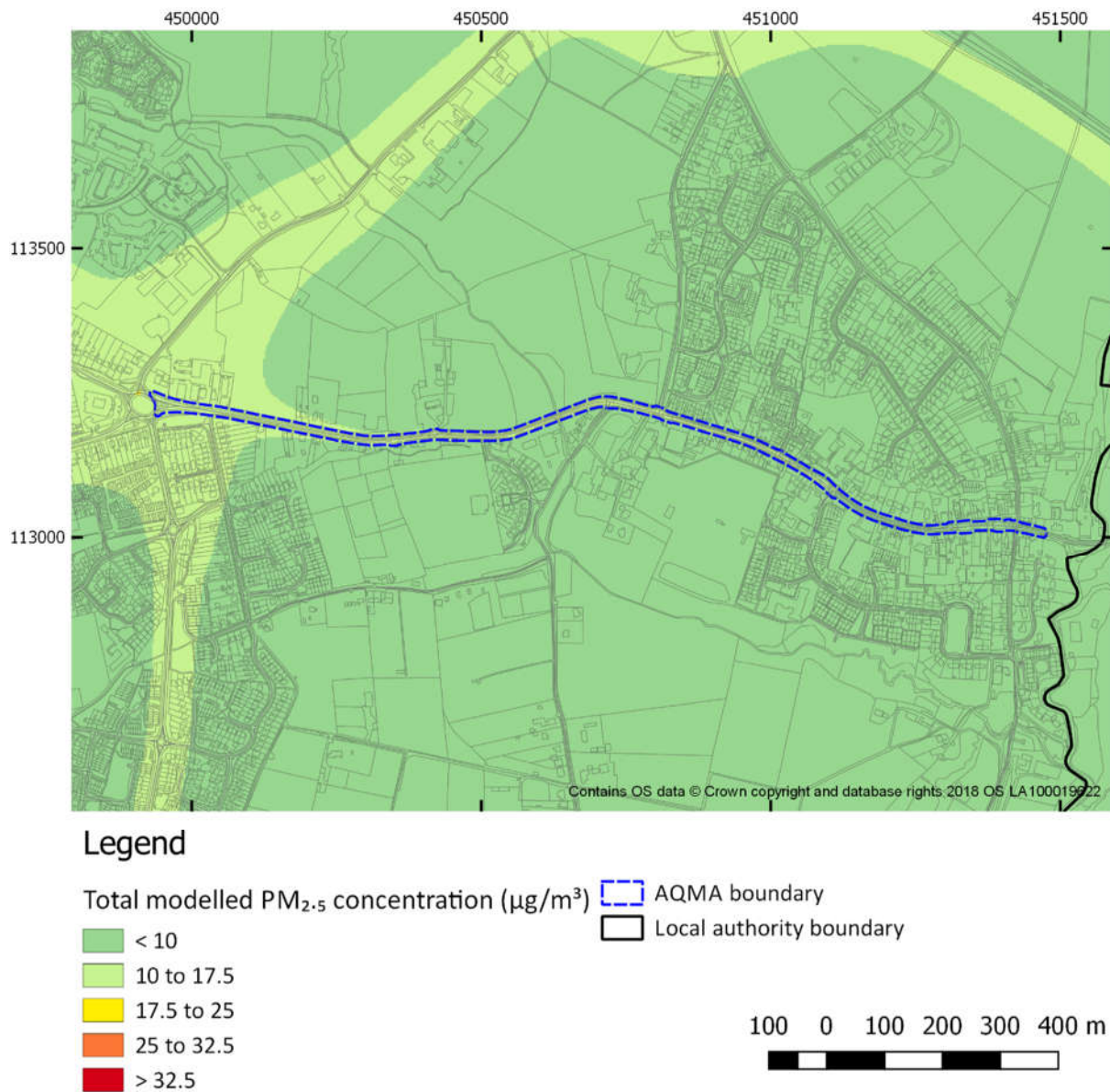
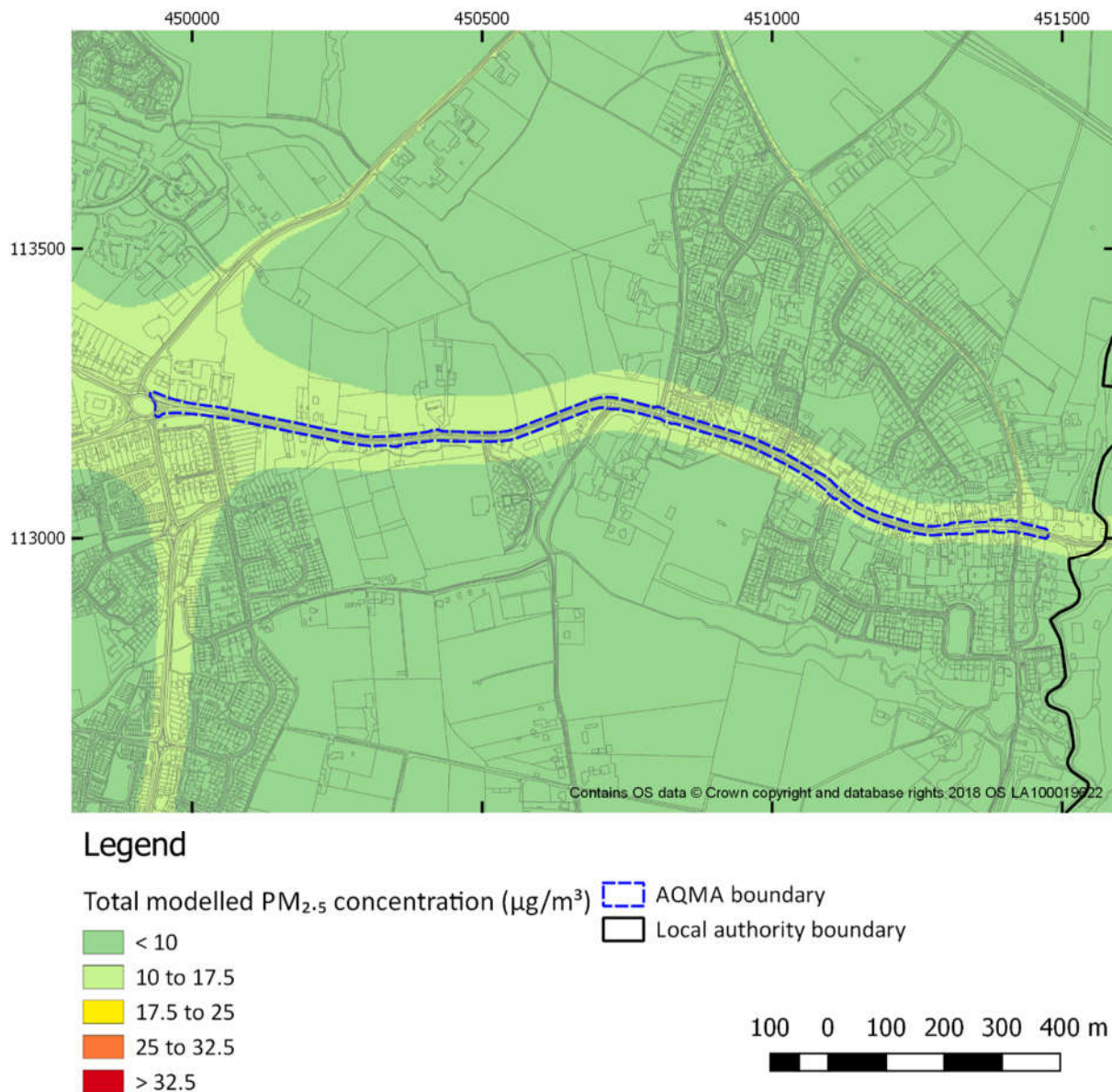
Figure 4-52 Annual mean PM_{2.5} concentration model results for 2036 SGO E scenario AQMA No. 4 (High Street Botley)

Figure 4-53 Annual mean PM_{2.5} concentration model results for 2036 Baseline AQMA No. 4 (High Street Botley)

5 99.8th percentile of NO₂ hourly mean concentrations

5.1 Full modelling domain

Figure 5-1 Short term NO₂ concentration model results for pseudo-2030 SGO C scenario

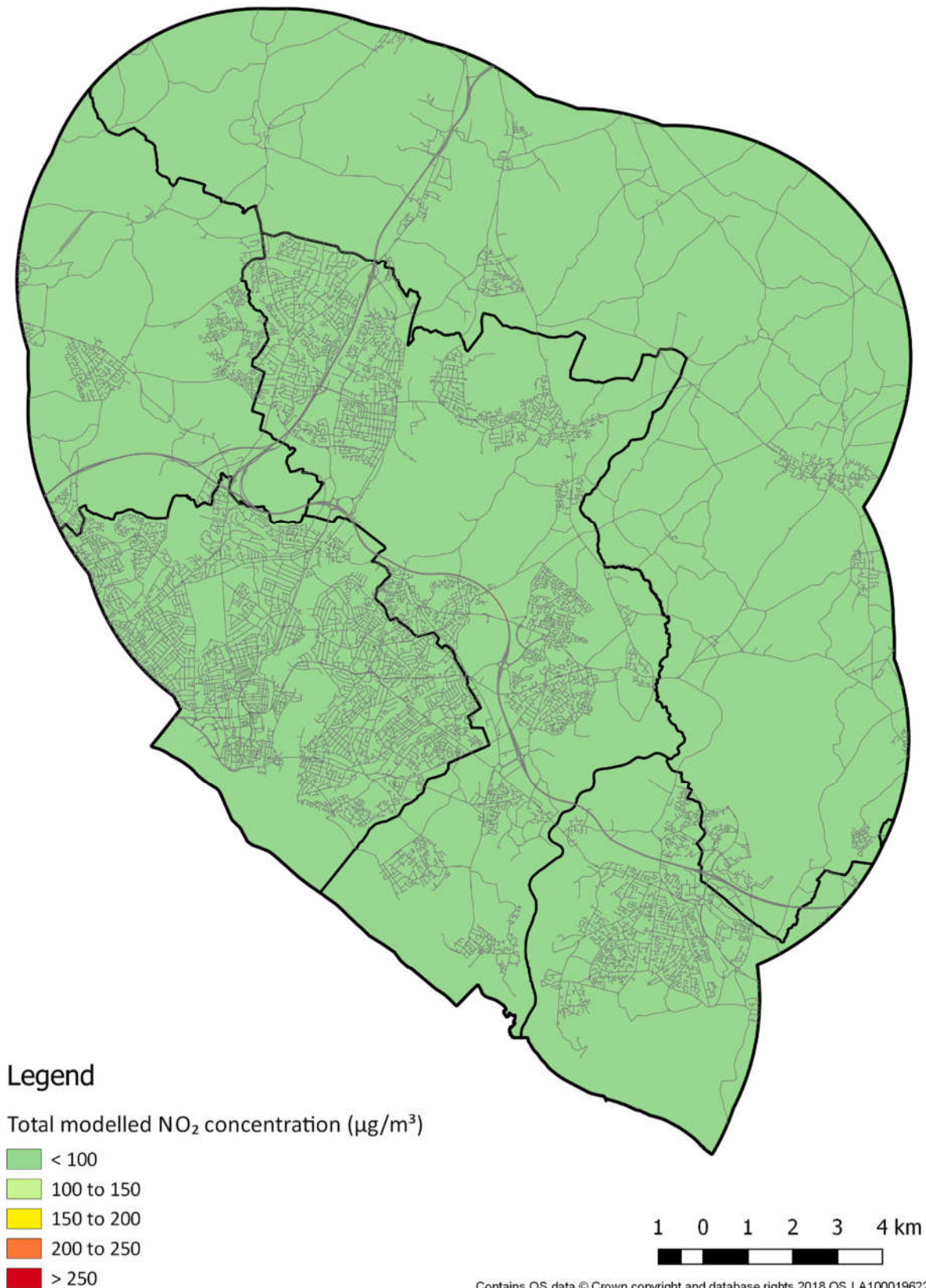


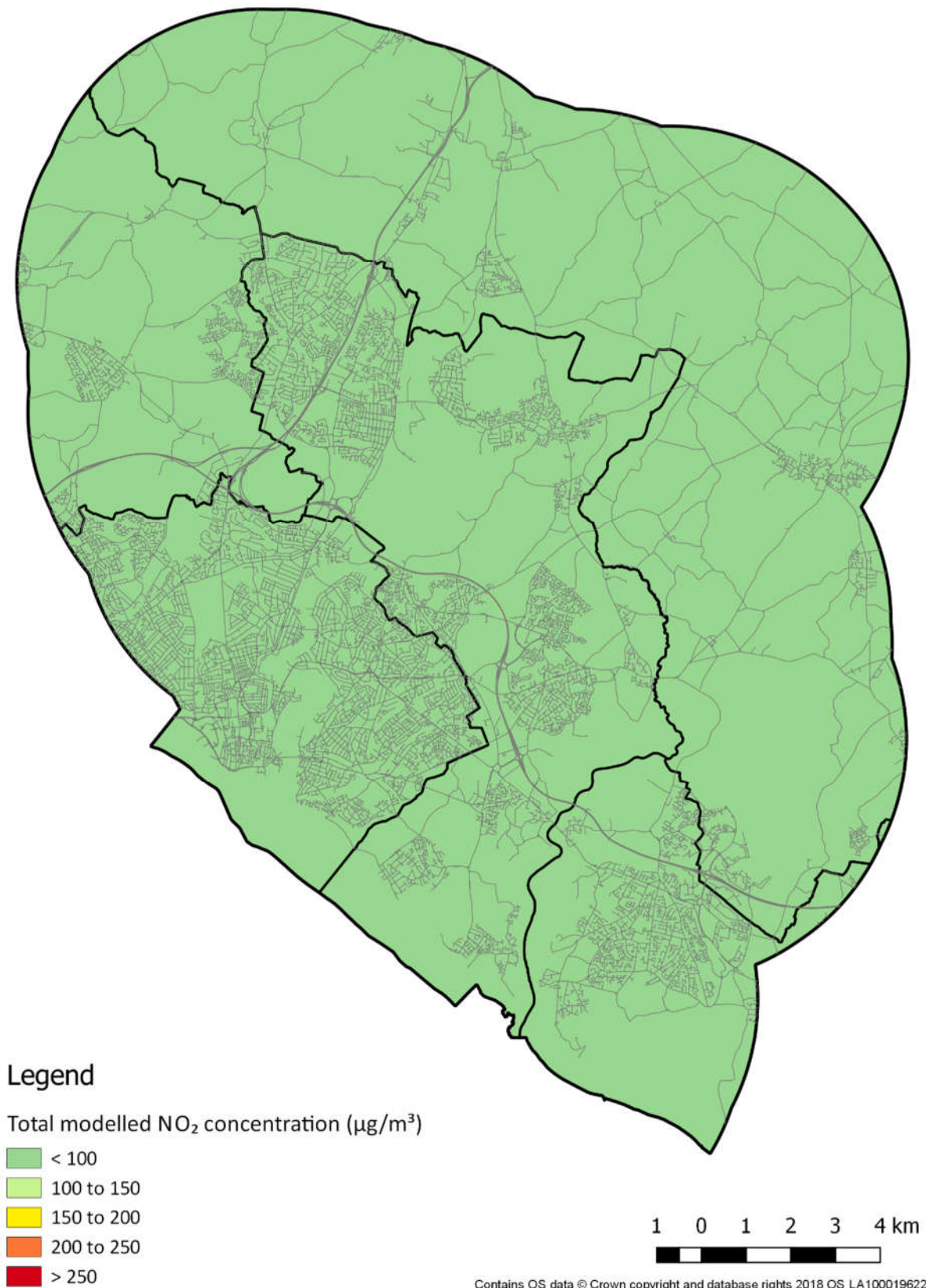
Figure 5-2 Short term NO₂ concentration model results for pseudo-2030 SGO D1 scenario

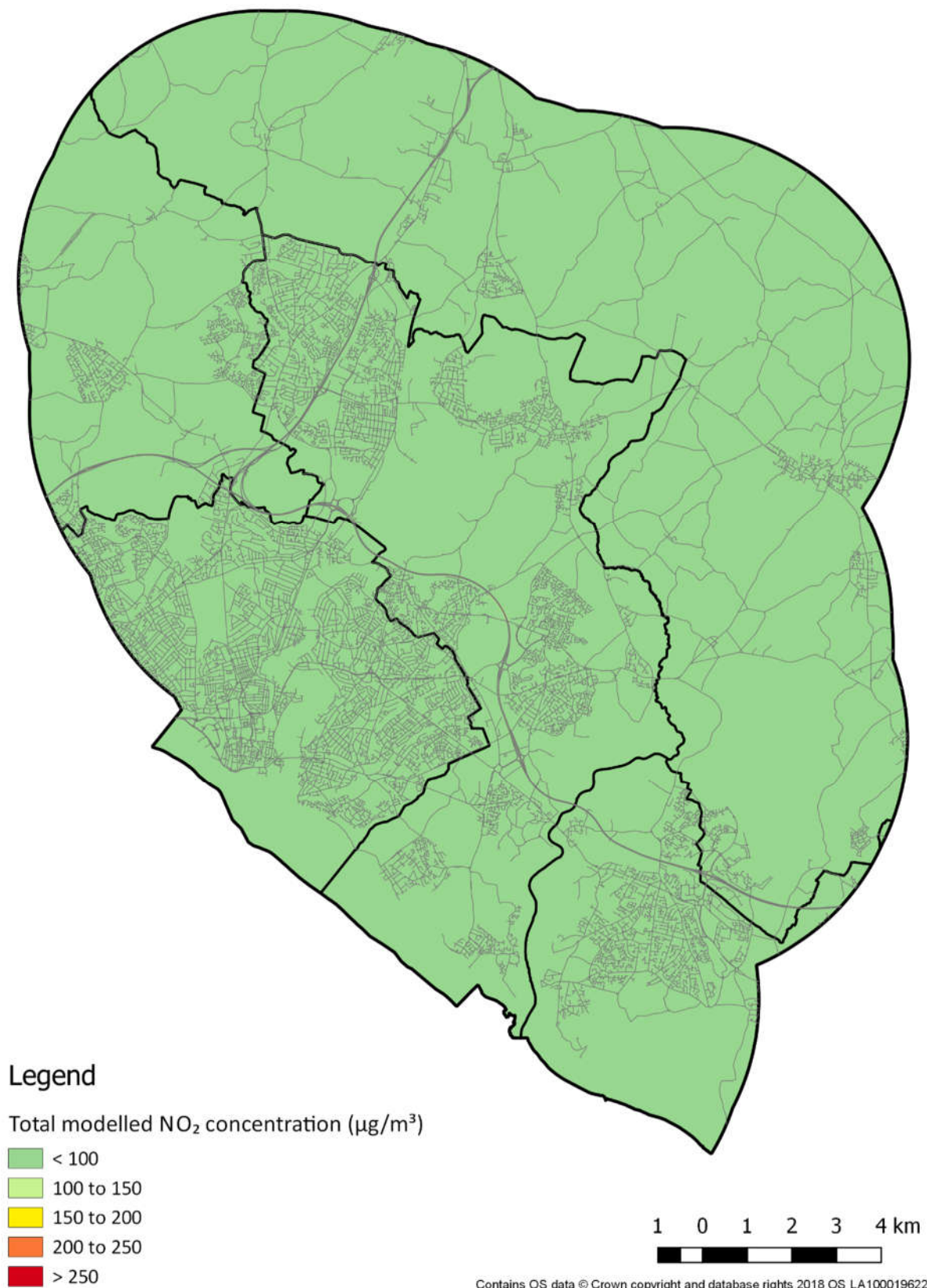
Figure 5-3 Short term NO₂ concentration model results for pseudo-2030 SGO D2 scenario

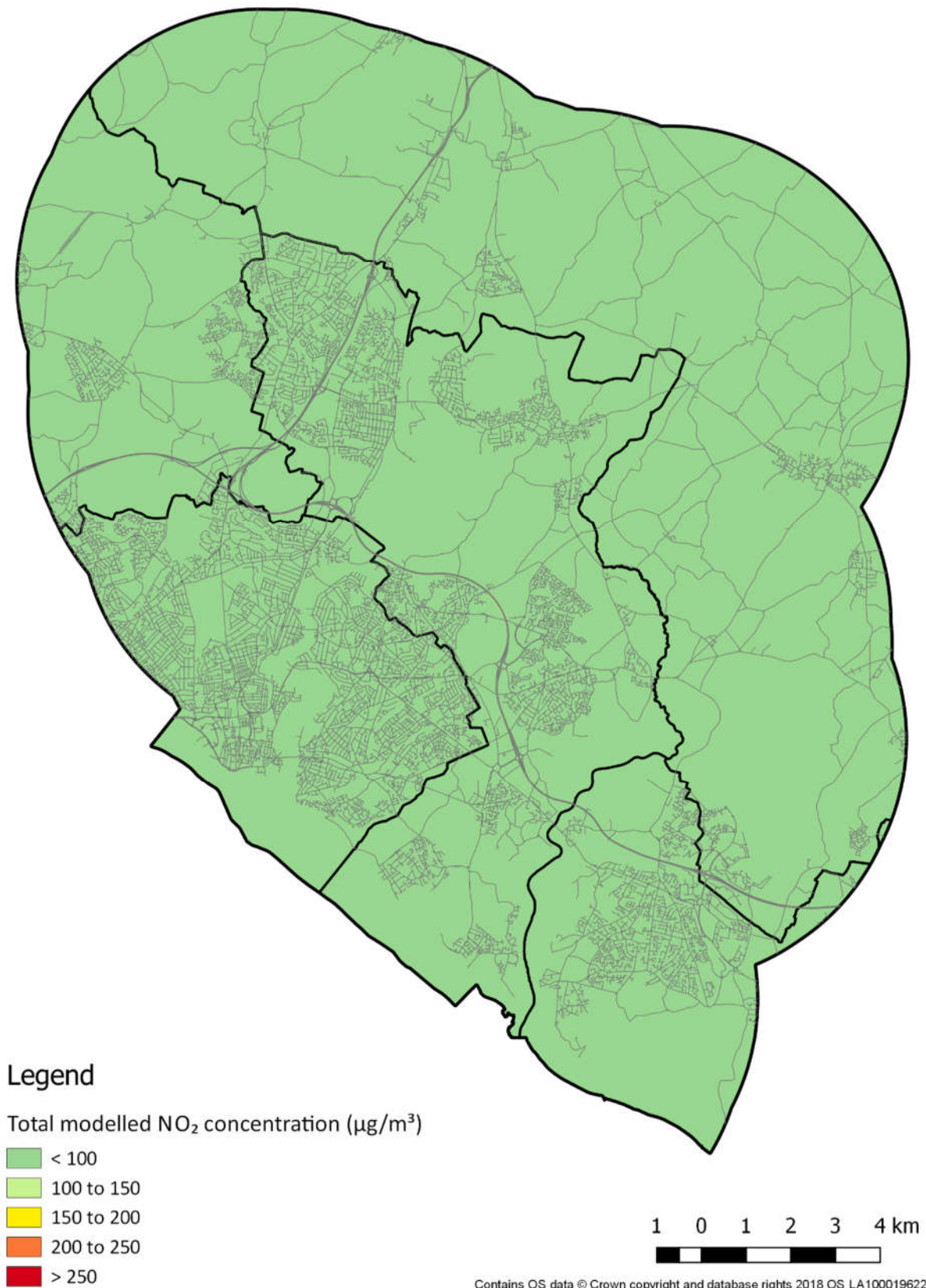
Figure 5-4 Short term NO₂ concentration model results for pseudo-2030 SGO E scenario

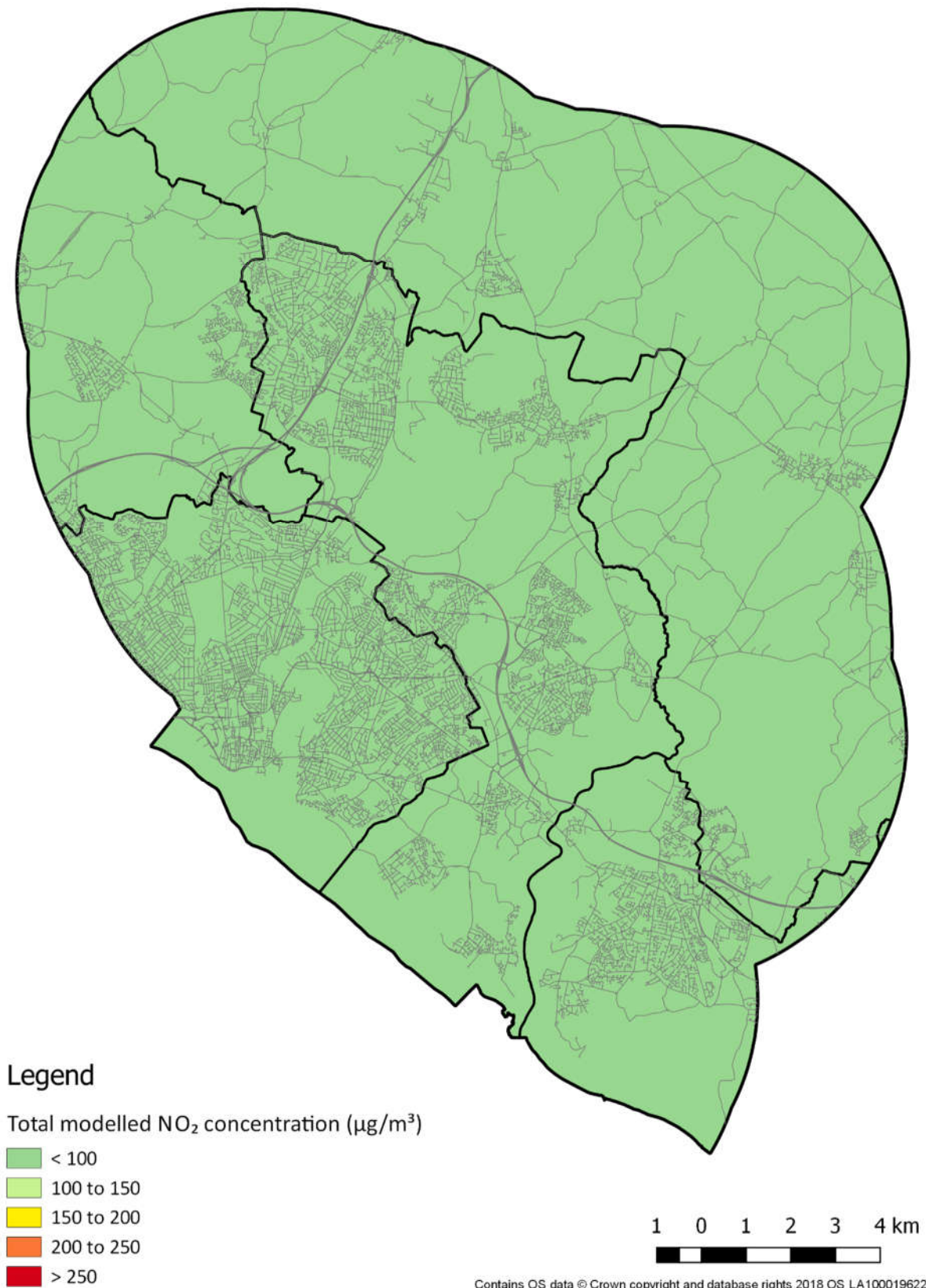
Figure 5-5 Short term NO₂ concentration model results for 2036 SGO C scenario

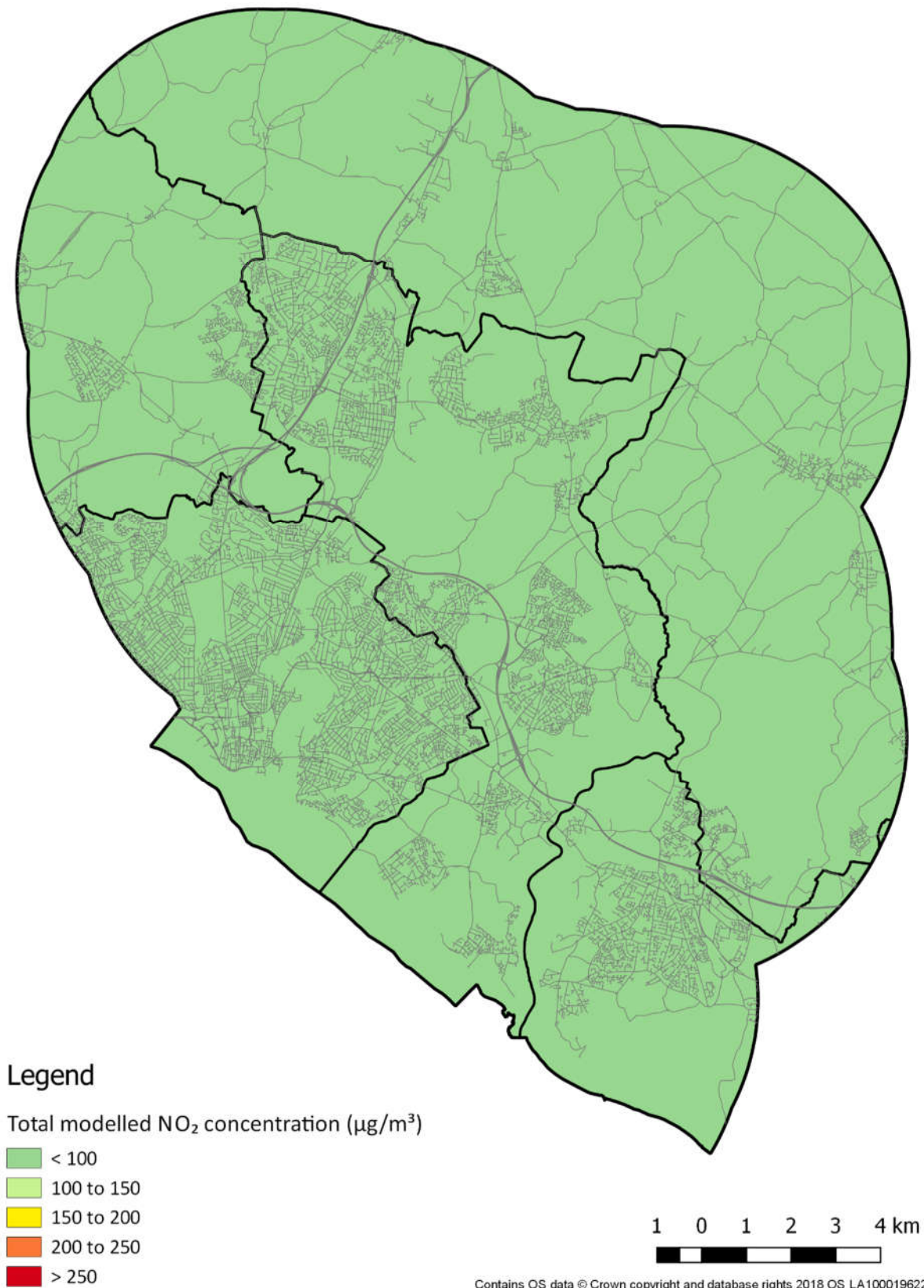
Figure 5-6 Short term NO₂ concentration model results for 2036 SGO D1 scenario

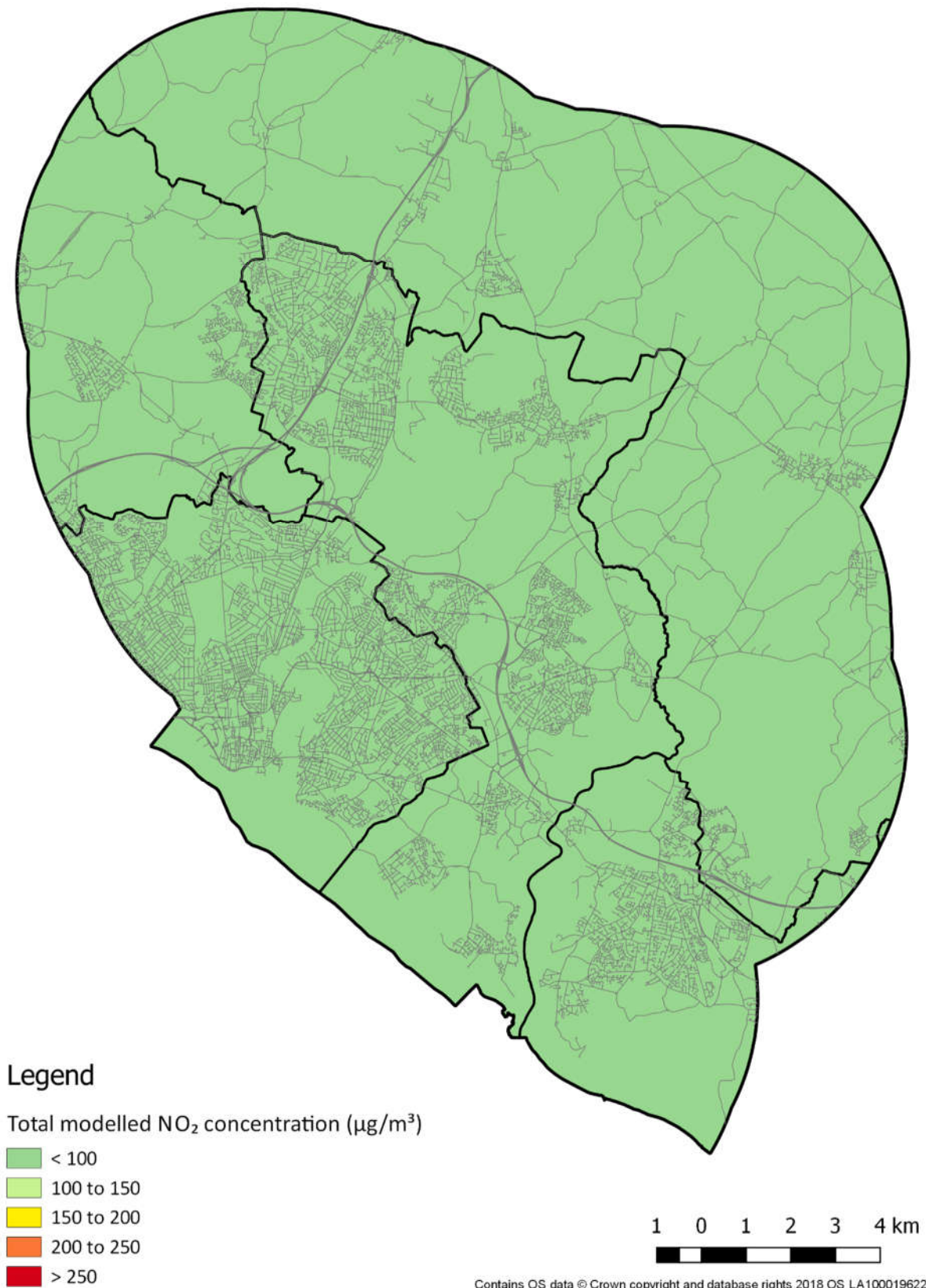
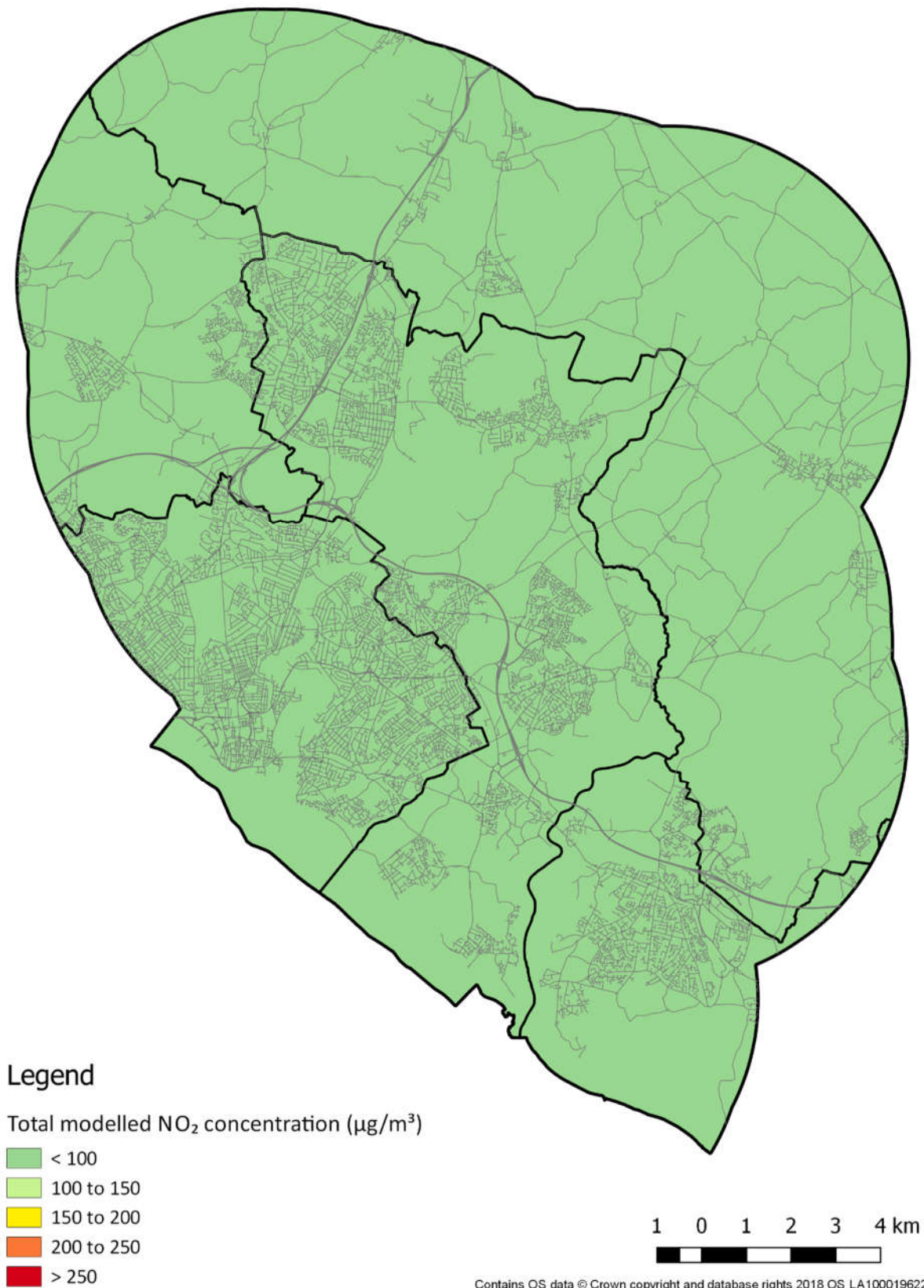
Figure 5-7 Short term NO₂ concentration model results for 2036 SGO D2 scenario

Figure 5-8 Short term NO₂ concentration model results for 2036 SGO E scenario

5.2 AQMA 1 and 2

Figure 5-9 Short term NO₂ concentration model results for pseudo-2030 SGO C scenario AQMA No. 1 (A335 / Eastleigh) (East)

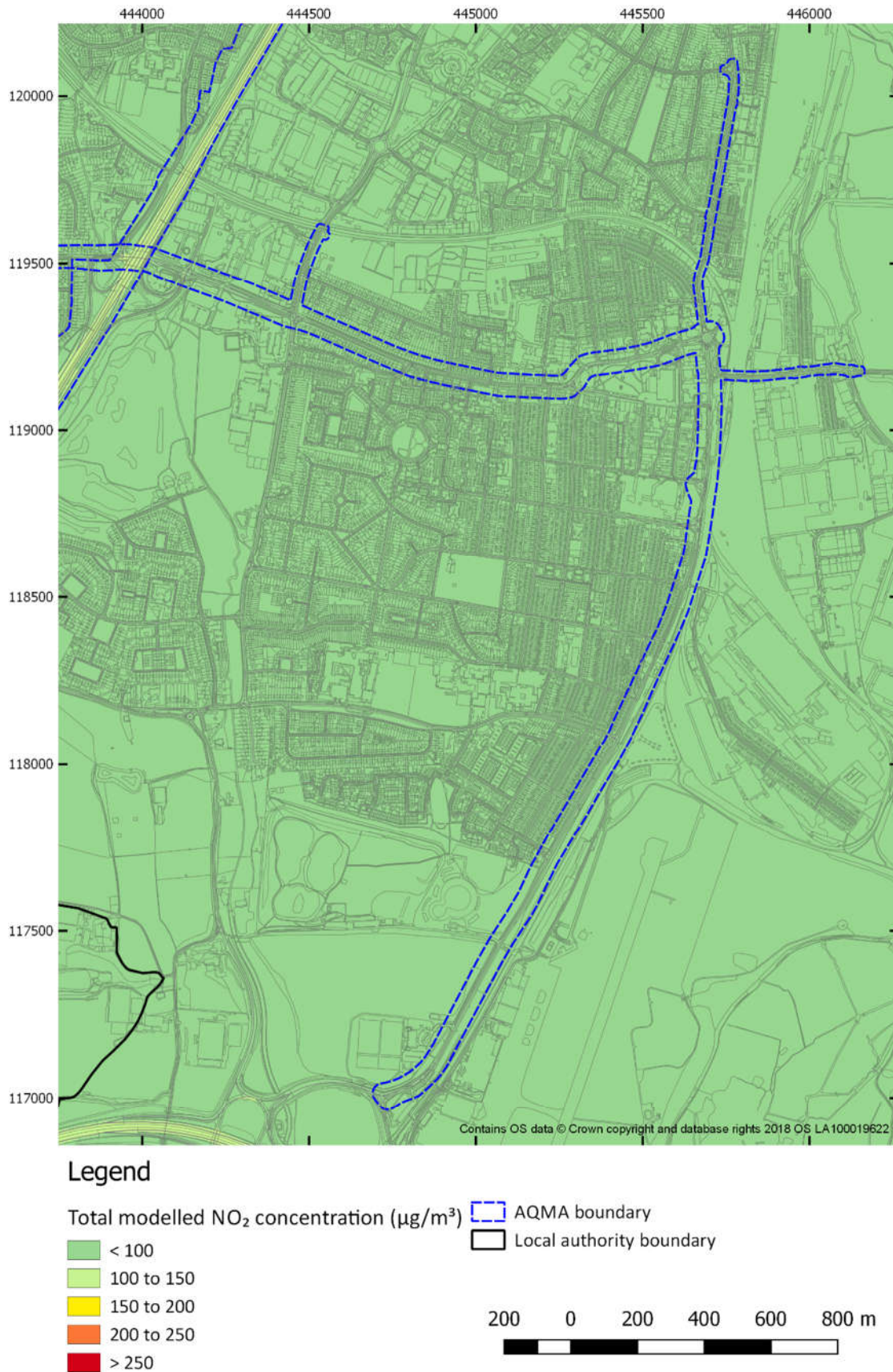
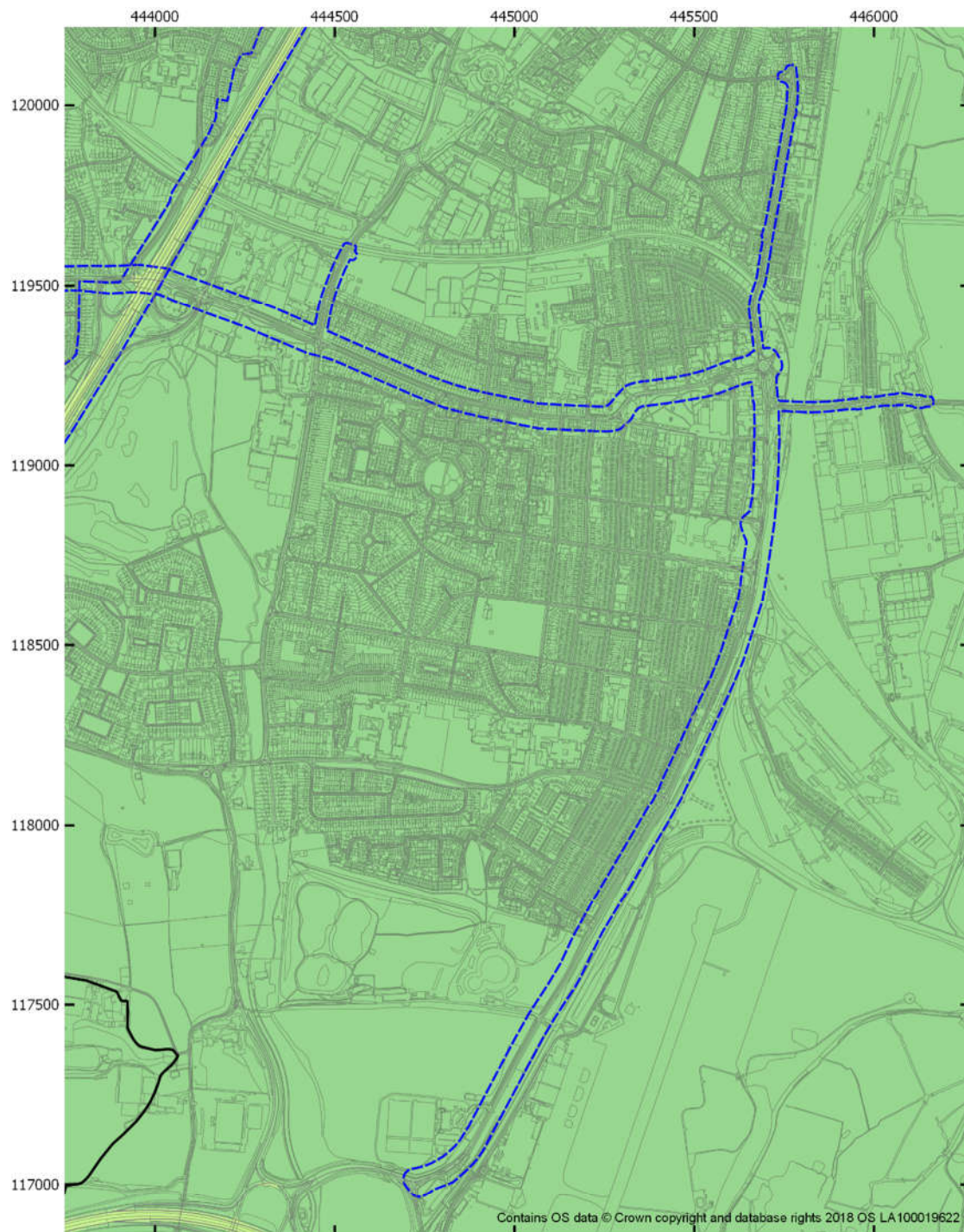


Figure 5-10 Short term NO₂ concentration model results for pseudo-2030 SGO D1 scenario AQMA No. 1 (A335 / Eastleigh) (East)**Legend**Total modelled NO₂ concentration (µg/m³)

- < 100
- 100 to 150
- 150 to 200
- 200 to 250
- > 250

AQMA boundary

Local authority boundary

200 0 200 400 600 800 m

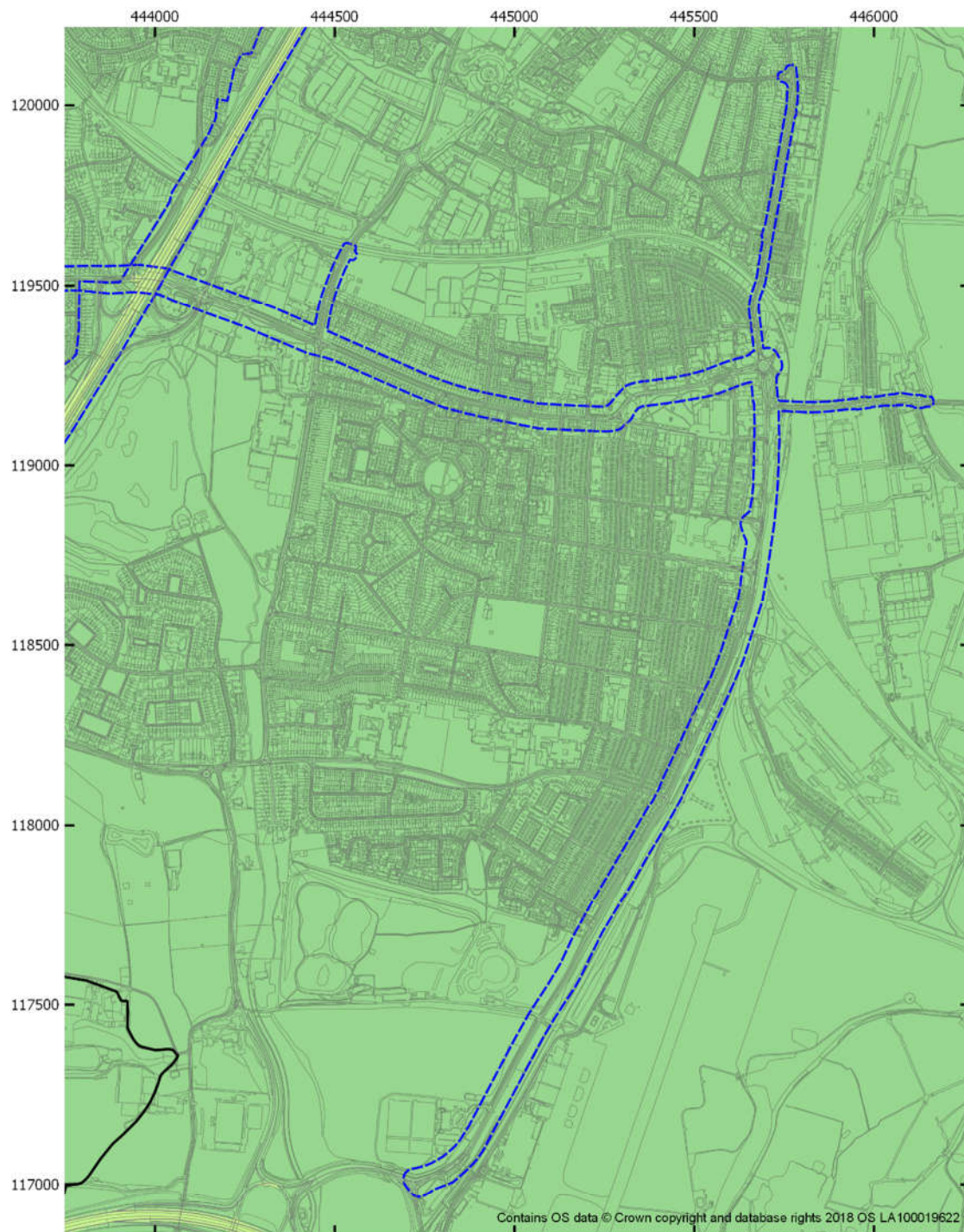
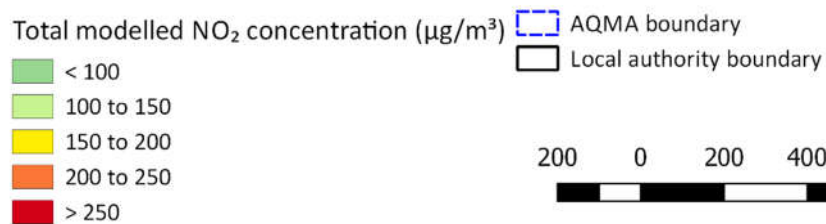
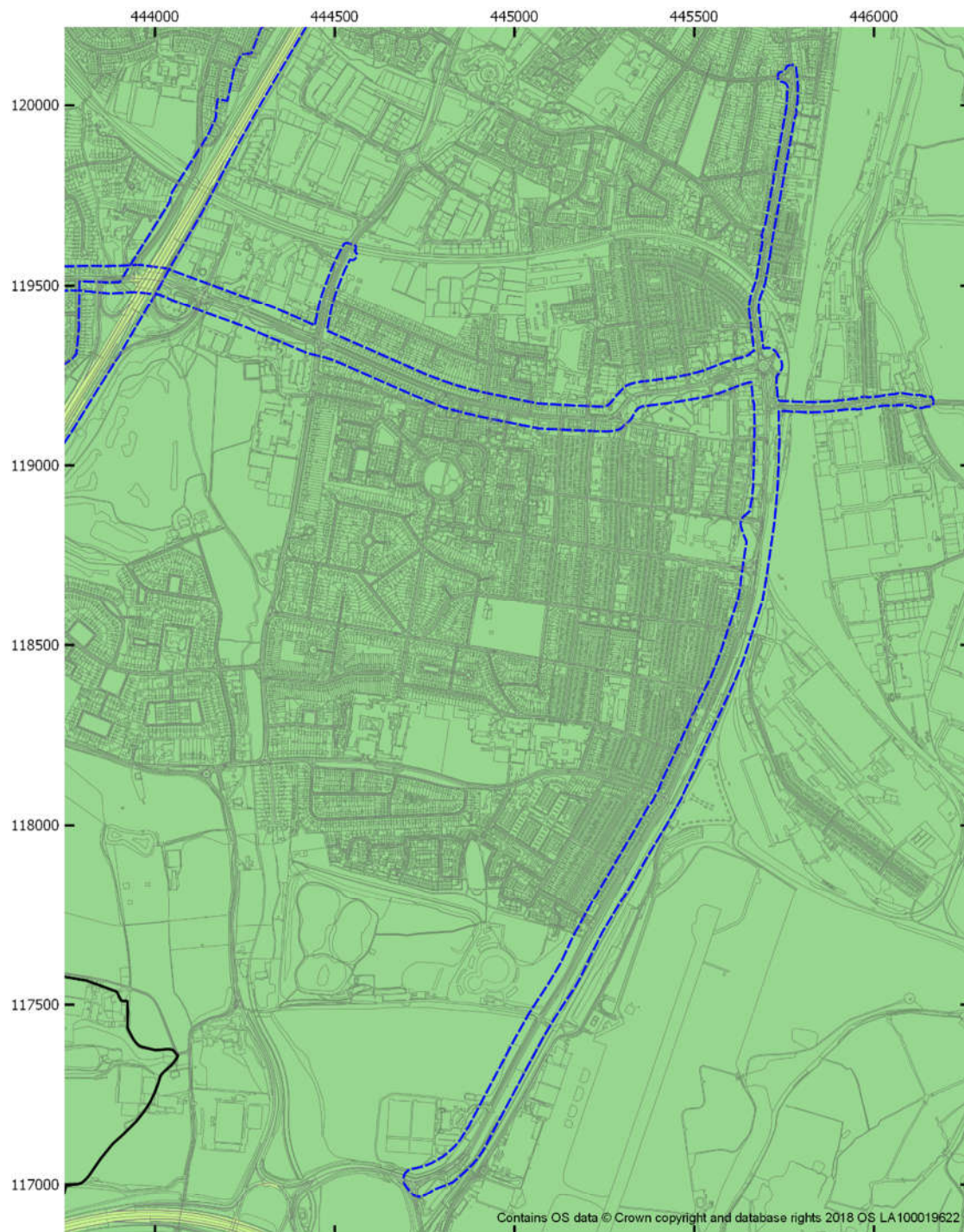
Figure 5-11 Short term NO₂ concentration model results for pseudo-2030 SGO D2 scenario AQMA No. 1 (A335 / Eastleigh) (East)**Legend**

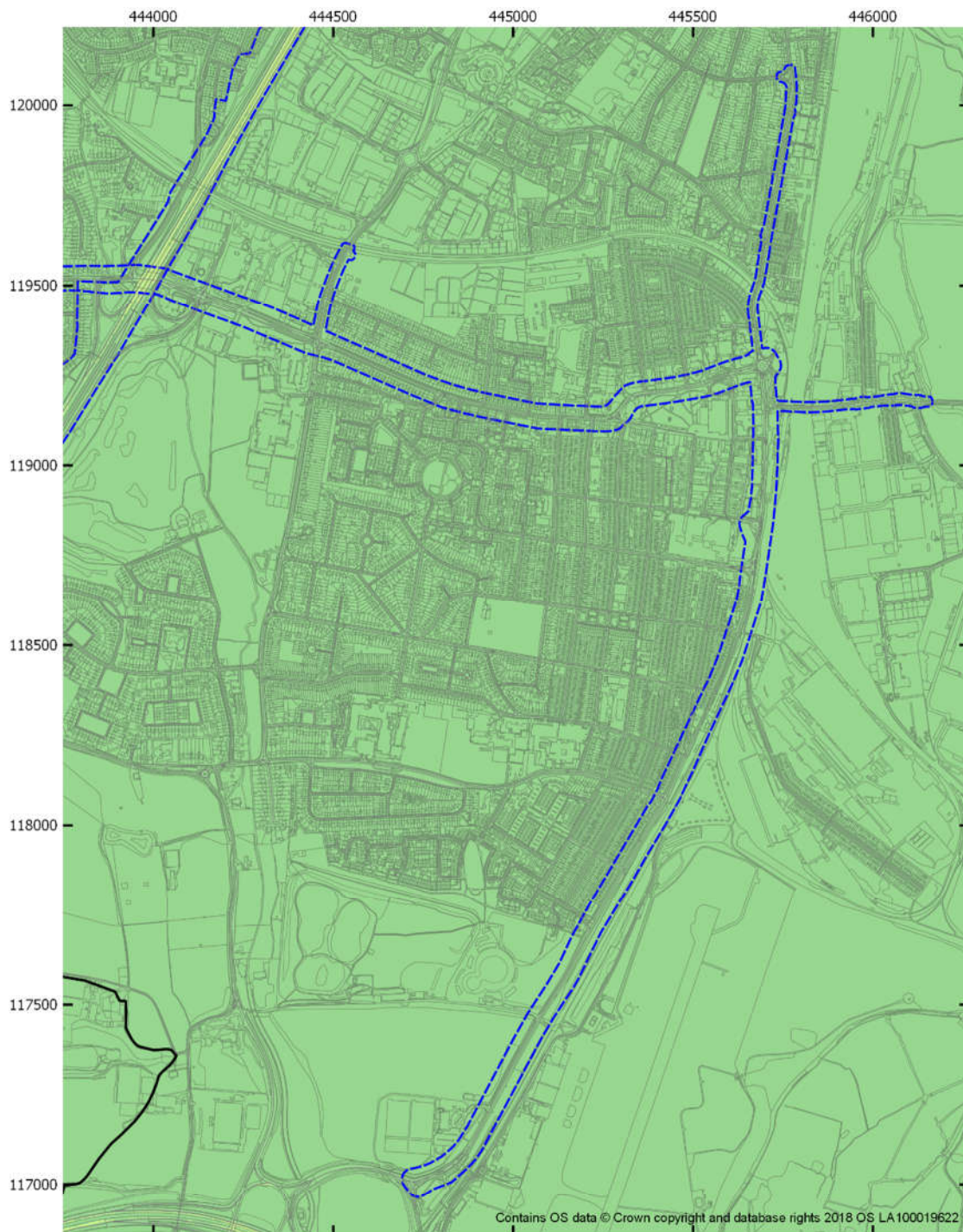
Figure 5-12 Short term NO₂ concentration model results for pseudo-2030 SGO E scenario AQMA No. 1 (A335 / Eastleigh) (East)**Legend**Total modelled NO₂ concentration (µg/m³)

- < 100
- 100 to 150
- 150 to 200
- 200 to 250
- > 250

AQMA boundary

Local authority boundary

200 0 200 400 600 800 m

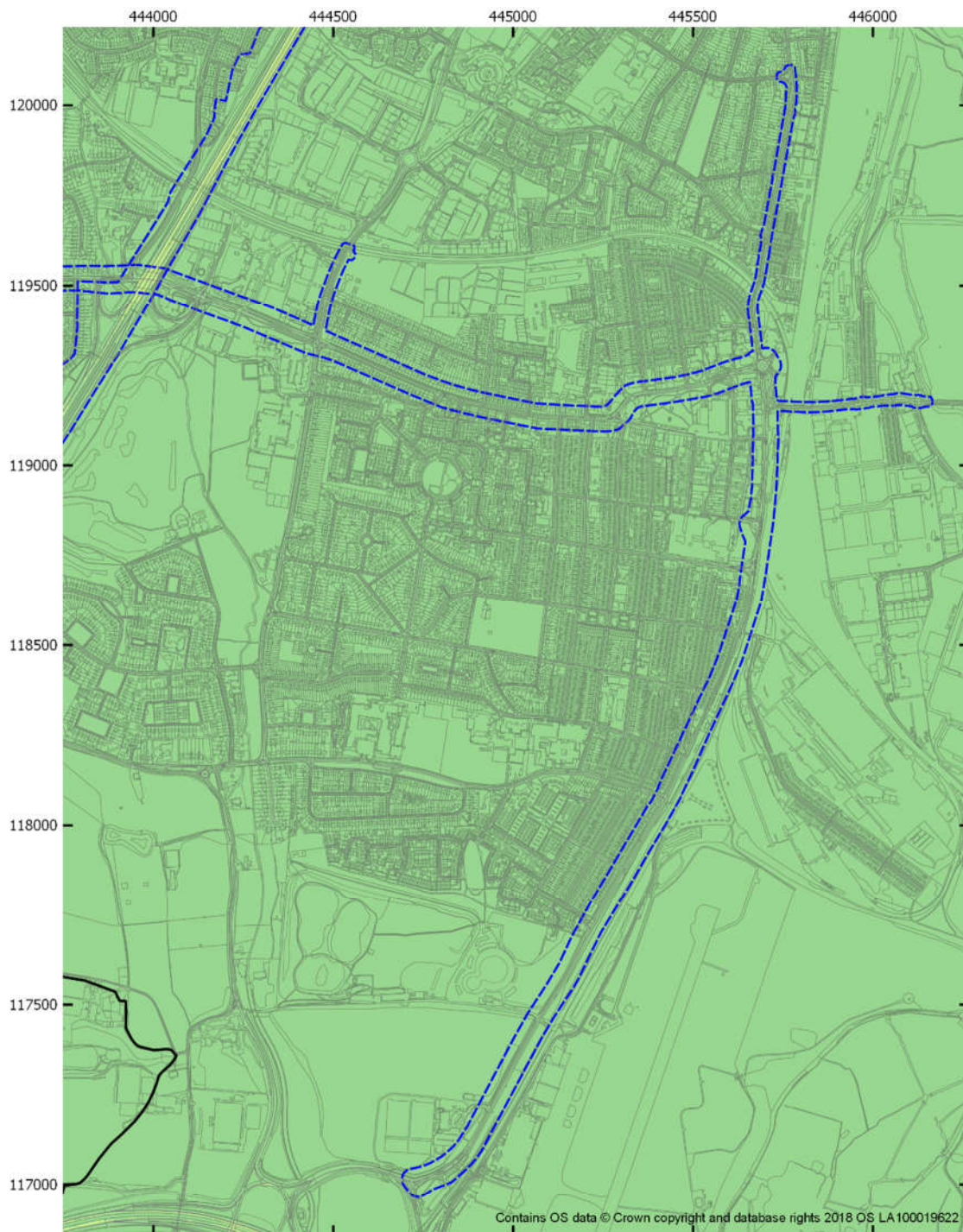
Figure 5-13 Short term NO₂ concentration model results for 2036 SGO C scenario AQMA No. 1 (A335 / Eastleigh) (East)**Legend**Total modelled NO₂ concentration (µg/m³)

- < 100
- 100 to 150
- 150 to 200
- 200 to 250
- > 250

AQMA boundary

Local authority boundary

200 0 200 400 600 800 m

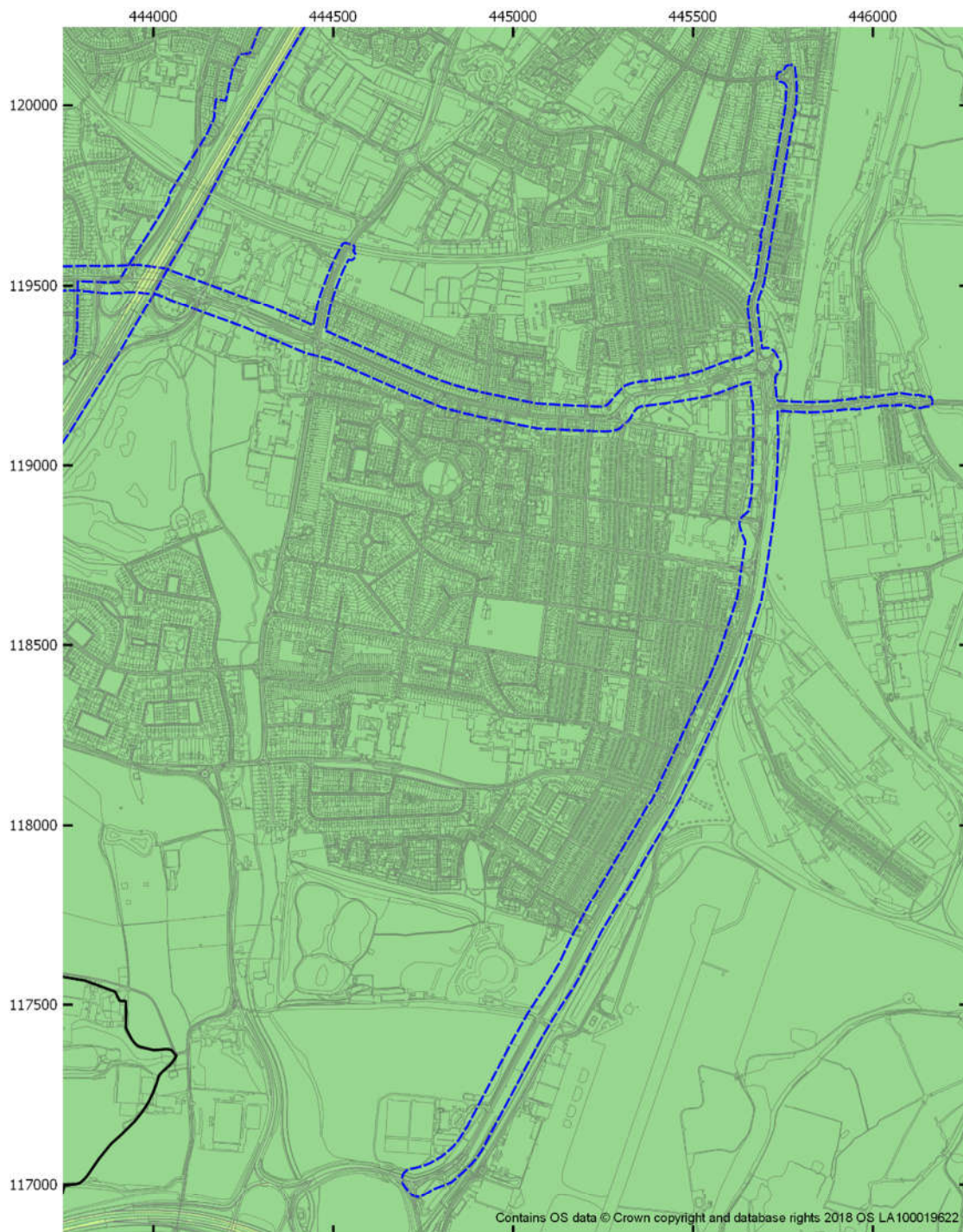
Figure 5-14 Short term NO₂ concentration model results for 2036 SGO D1 scenario AQMA No. 1 (A335 / Eastleigh) (East)**Legend**Total modelled NO₂ concentration (µg/m³)

- < 100
- 100 to 150
- 150 to 200
- 200 to 250
- > 250

AQMA boundary

Local authority boundary

200 0 200 400 600 800 m

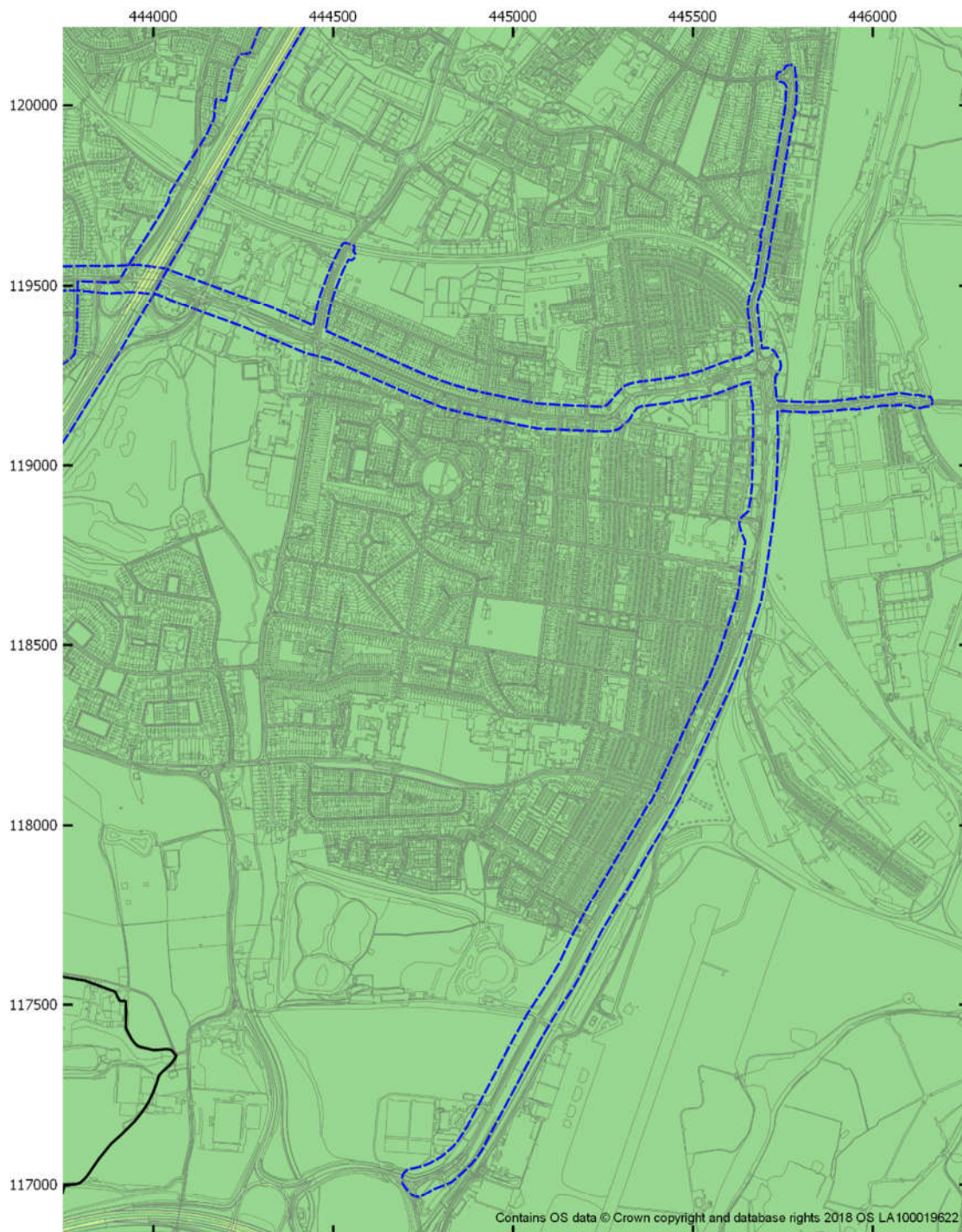
Figure 5-15 Short term NO₂ concentration model results for 2036 SGO D2 scenario AQMA No. 1 (A335 / Eastleigh) (East)**Legend**Total modelled NO₂ concentration (µg/m³)

- < 100
- 100 to 150
- 150 to 200
- 200 to 250
- > 250

AQMA boundary

Local authority boundary

200 0 200 400 600 800 m

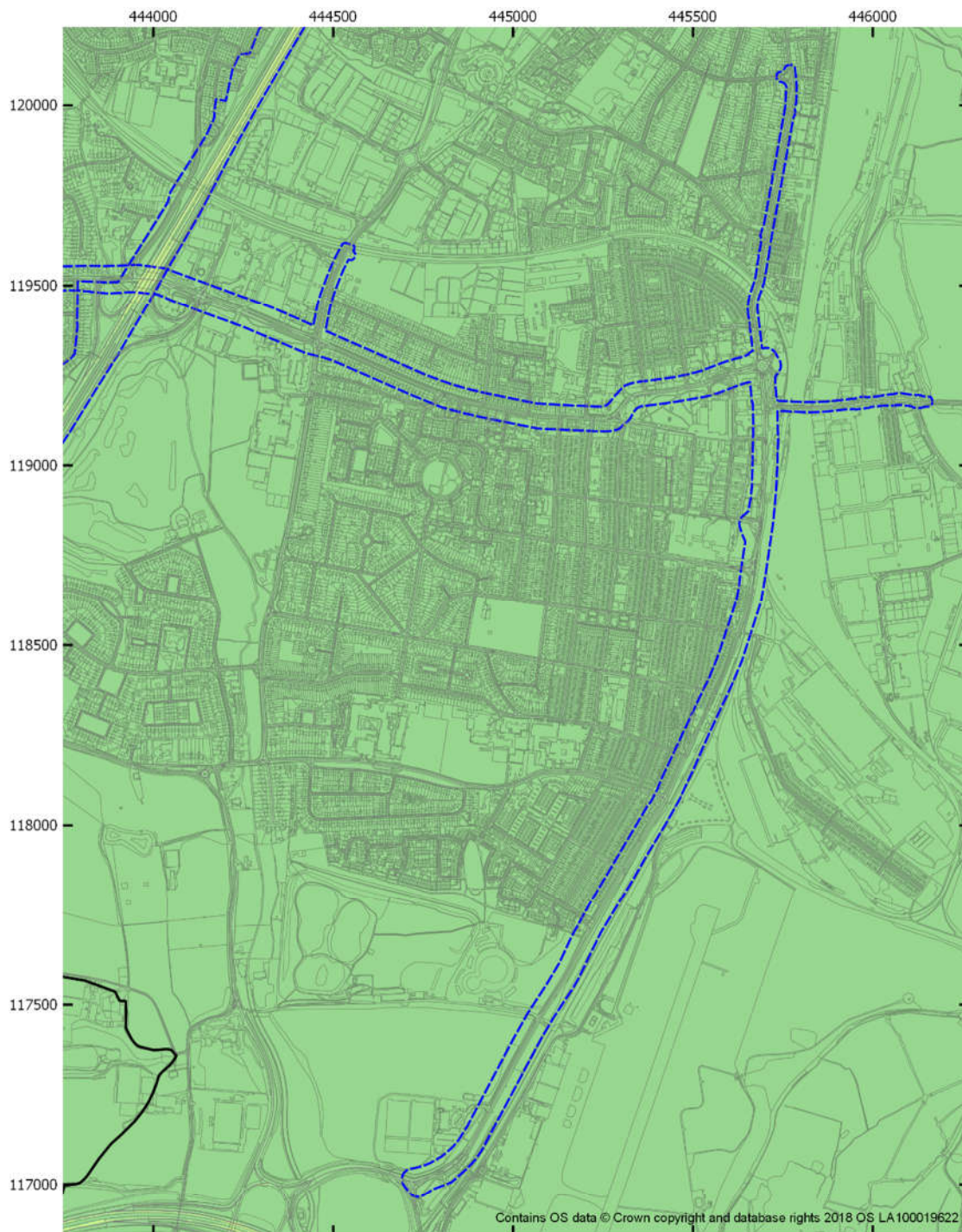
Figure 5-16 Short term NO₂ concentration model results for 2036 SGO E scenario AQMA No. 1 (A335 / Eastleigh) (East)**Legend**Total modelled NO₂ concentration (µg/m³)

- < 100
- 100 to 150
- 150 to 200
- 200 to 250
- > 250

AQMA boundary

Local authority boundary

200 0 200 400 600 800 m

Figure 5-17 Short term NO₂ concentration model results for 2036 Baseline AQMA No. 1 (A335 / Eastleigh) (East)**Legend**Total modelled NO₂ concentration (µg/m³)

- < 100
- 100 to 150
- 150 to 200
- 200 to 250
- > 250

AQMA boundary

Local authority boundary

200 0 200 400 600 800 m

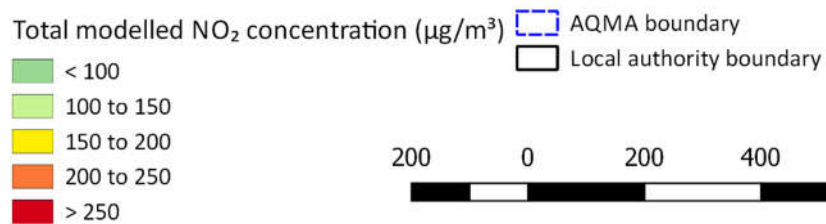
Figure 5-18 Short term NO₂ concentration model results for pseudo-2030 SGO C scenario AQMA No. 1 (A335 / Eastleigh) (West)**Legend**

Figure 5-19 Short term NO₂ concentration model results for pseudo-2030 SGO D1 scenario AQMA No. 1 (A335 / Eastleigh) (West)



Legend

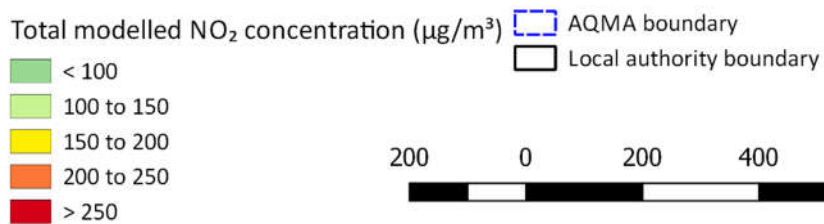


Figure 5-20 Short term NO₂ concentration model results for pseudo-2030 SGO D2 scenario AQMA No. 1 (A335 / Eastleigh) (West)**Legend**Total modelled NO₂ concentration (µg/m³)

- < 100
- 100 to 150
- 150 to 200
- 200 to 250
- > 250

AQMA boundary

Local authority boundary

200 0 200 400 600 800 m

Figure 5-21 Short term NO₂ concentration model results for pseudo-2030 SGO E scenario AQMA No. 1 (A335 / Eastleigh) (West)



Legend

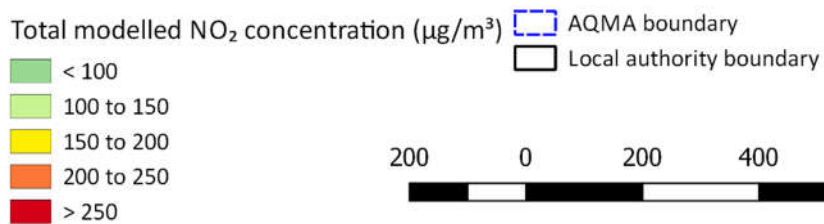


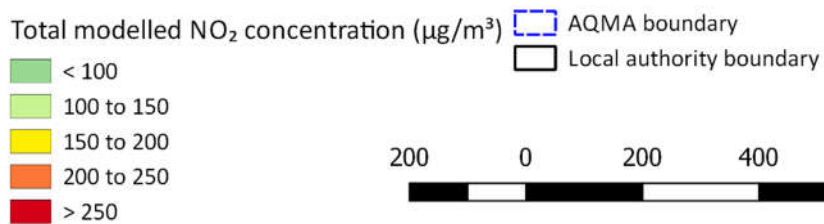
Figure 5-22 Short term NO₂ concentration model results for 2036 SGO C scenario AQMA No. 1 (A335 / Eastleigh) (West)**Legend**

Figure 5-23 Short term NO₂ concentration model results for 2036 SGO D1 scenario AQMA No. 1 (A335 / Eastleigh) (West)**Legend**








Total modelled NO ₂ concentration (µg/m ³)		AQMA boundary	
	< 100		AQMA boundary
	100 to 150		Local authority boundary
	150 to 200		
	200 to 250		
	> 250		



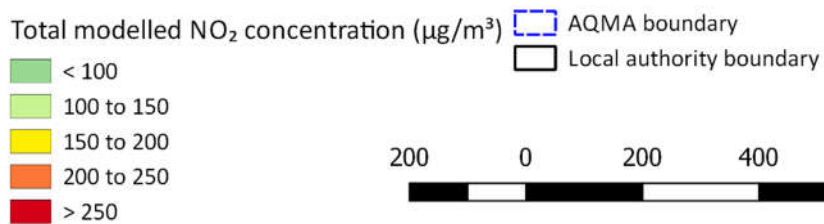
Figure 5-24 Short term NO₂ concentration model results for 2036 SGO D2 scenario AQMA No. 1 (A335 / Eastleigh) (West)**Legend**

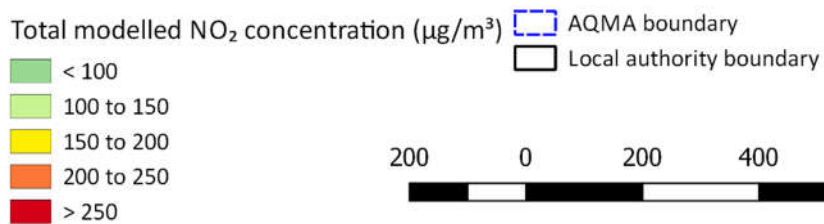
Figure 5-25 Short term NO₂ concentration model results for 2036 SGO E scenario AQMA No. 1 (A335 / Eastleigh) (West)**Legend**

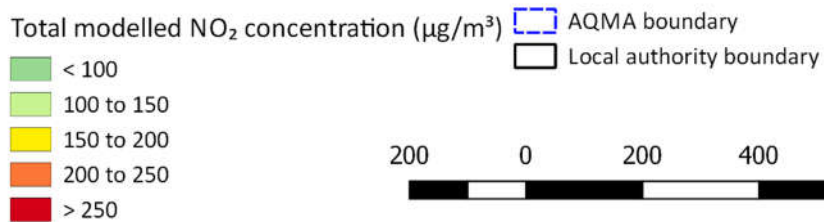
Figure 5-26 Short term NO₂ concentration model results for 2036 Baseline AQMA No. 1 (A335 / Eastleigh) (West)**Legend**

Figure 5-27 Short term NO₂ concentration model results for pseudo-2030 SGO C scenario AQMA No. 2 (M3) (North)



Figure 5-28 Short term NO₂ concentration model results for pseudo-2030 SGO D1 scenario AQMA No. 2 (M3) (North)

Figure 5-29 Short term NO₂ concentration model results for pseudo-2030 SGO D2 scenario AQMA No. 2 (M3) (North)

Figure 5-30 Short term NO₂ concentration model results for pseudo-2030 SGO E scenario AQMA No. 2 (M3) (North)

Figure 5-31 Short term NO₂ concentration model results for 2036 SGO C scenario AQMA No. 2 (M3) (North)

Figure 5-32 Short term NO₂ concentration model results for 2036 SGO D1 scenario AQMA No. 2 (M3) (North)

Figure 5-33 Short term NO₂ concentration model results for 2036 SGO D2 scenario AQMA No. 2 (M3) (North)

Figure 5-34 Short term NO₂ concentration model results for 2036 SGO E scenario AQMA No. 2 (M3) (North)

Figure 5-35 Short term NO₂ concentration model results for 2036 Baseline AQMA No. 2 (M3) (North)

5.3 AQMA 3

Figure 5-36 Short term NO₂ concentration model results for pseudo-2030 SGO C scenario AQMA No. 3 (Hamble Lane)

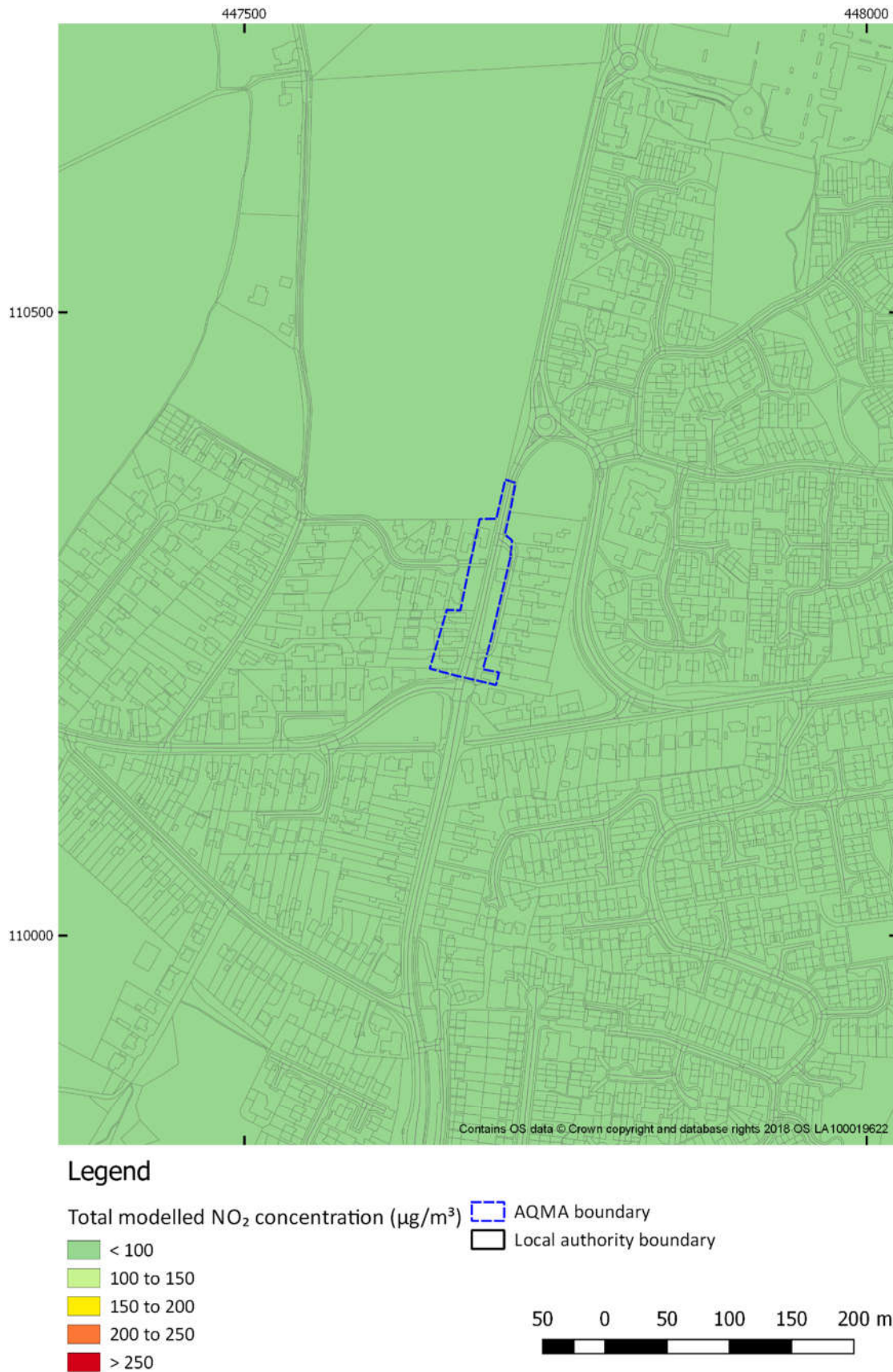
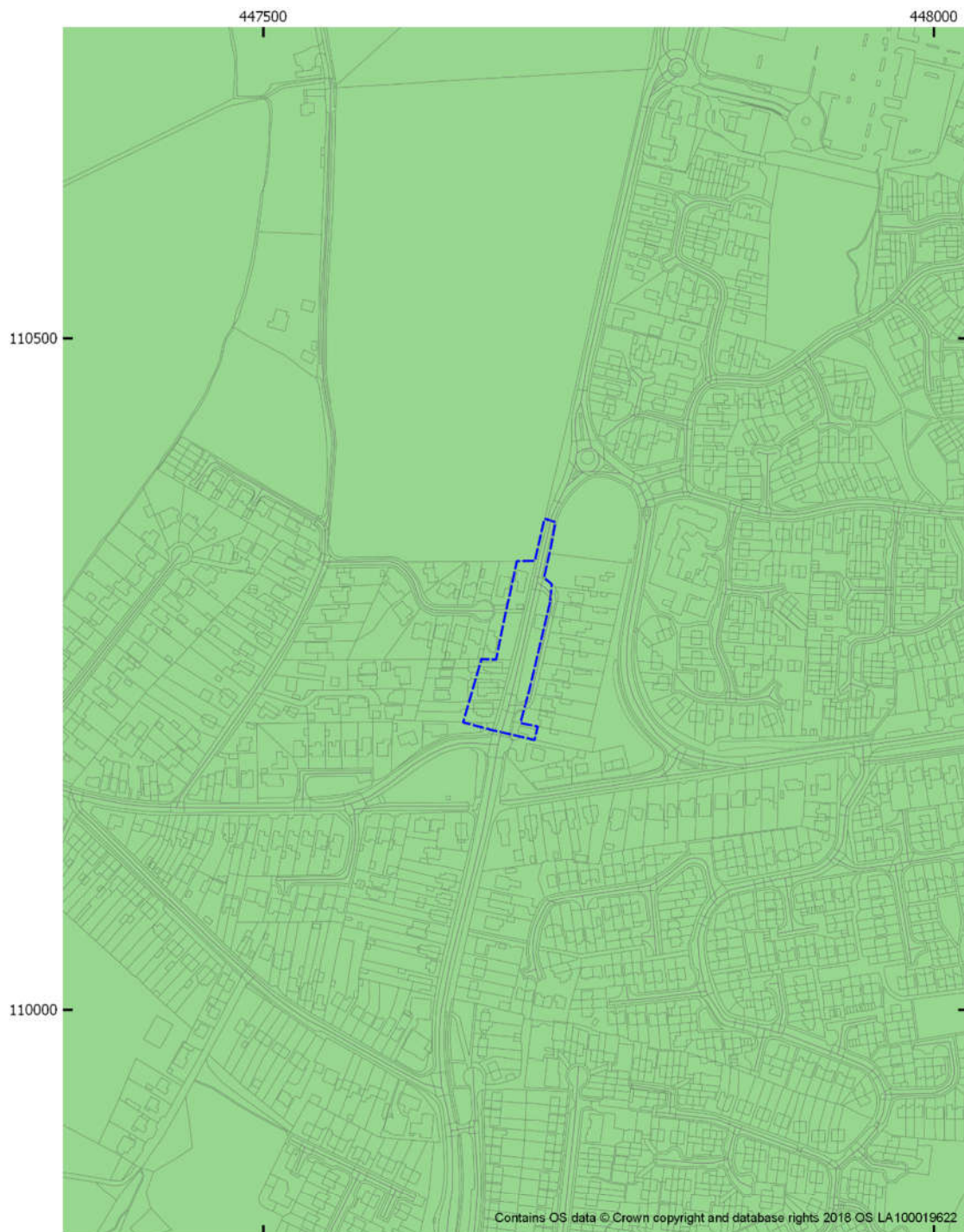


Figure 5-37 Short term NO₂ concentration model results for pseudo-2030 SGO D1 scenario AQMA No. 3 (Hamble Lane)



Legend

Total modelled NO₂ concentration (µg/m³)

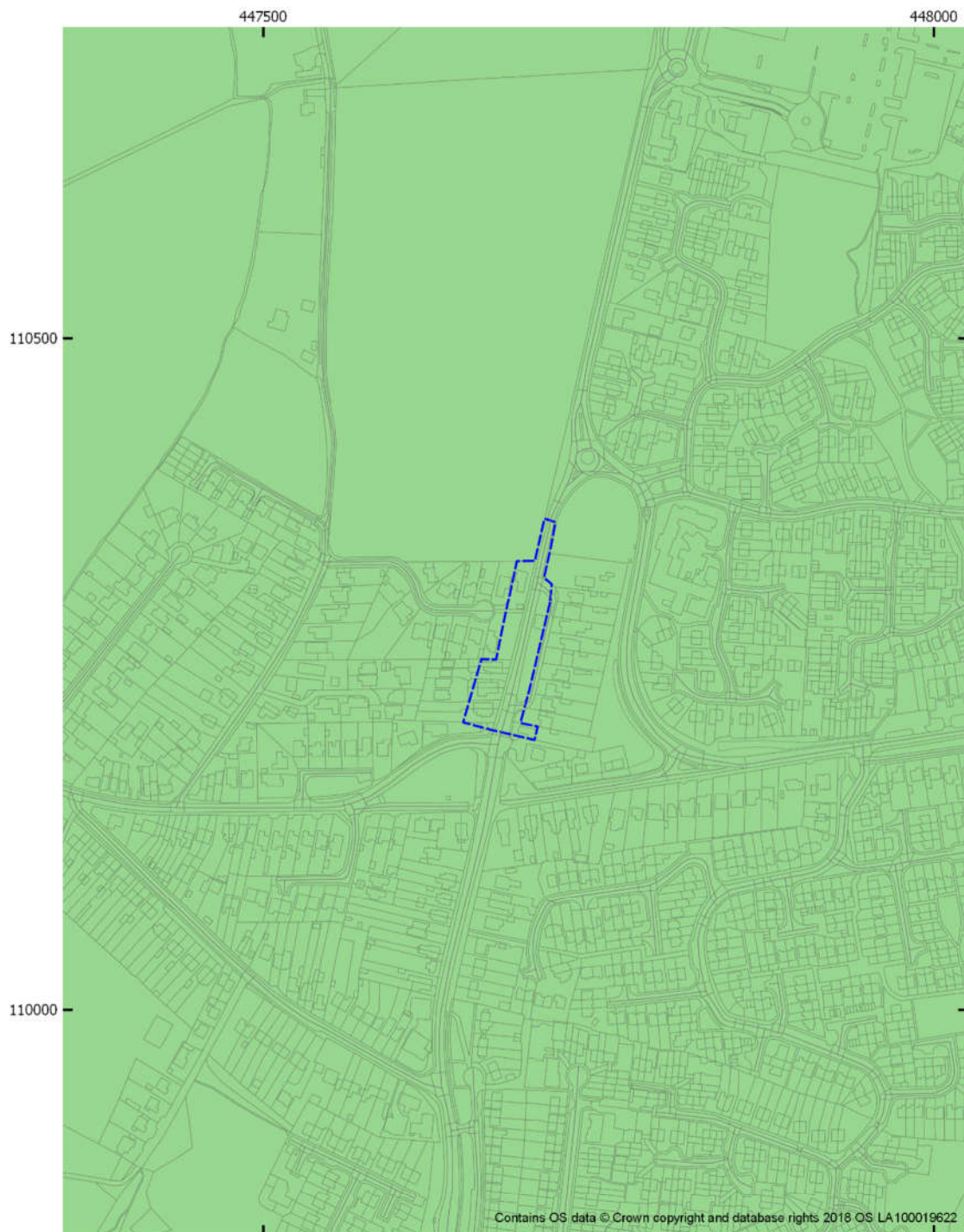
- < 100
- 100 to 150
- 150 to 200
- 200 to 250
- > 250

AQMA boundary

Local authority boundary

50 0 50 100 150 200 m

Figure 5-38 Short term NO₂ concentration model results for pseudo-2030 SGO D2 scenario AQMA No. 3 (Hamble Lane)



Legend

Total modelled NO₂ concentration (µg/m³)

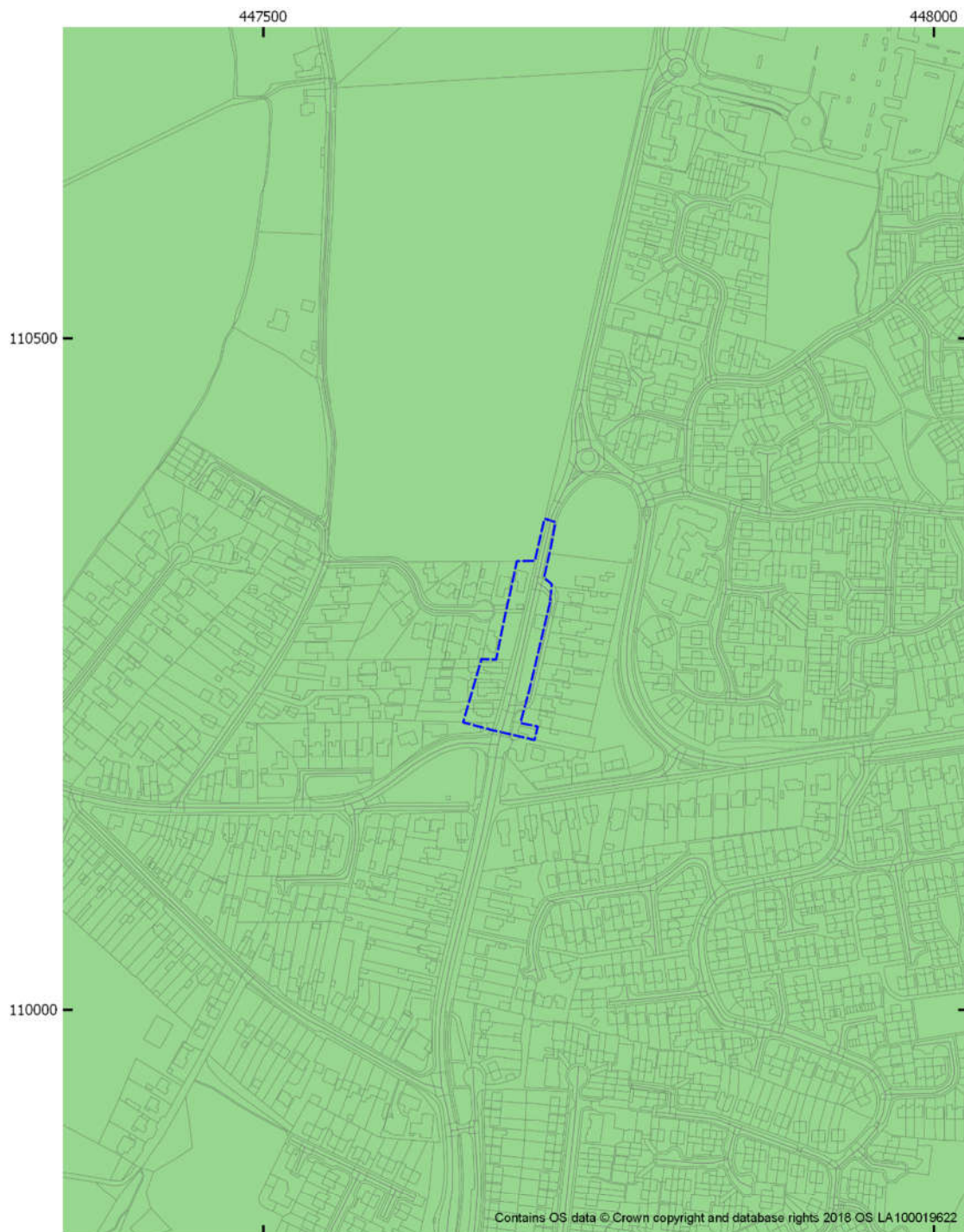
- < 100
- 100 to 150
- 150 to 200
- 200 to 250
- > 250

AQMA boundary

Local authority boundary

50 0 50 100 150 200 m

Figure 5-39 Short term NO₂ concentration model results for pseudo-2030 SGO E scenario AQMA No. 3 (Hamble Lane)



Legend

Total modelled NO₂ concentration (µg/m³)

- < 100
- 100 to 150
- 150 to 200
- 200 to 250
- > 250

AQMA boundary

Local authority boundary

50 0 50 100 150 200 m

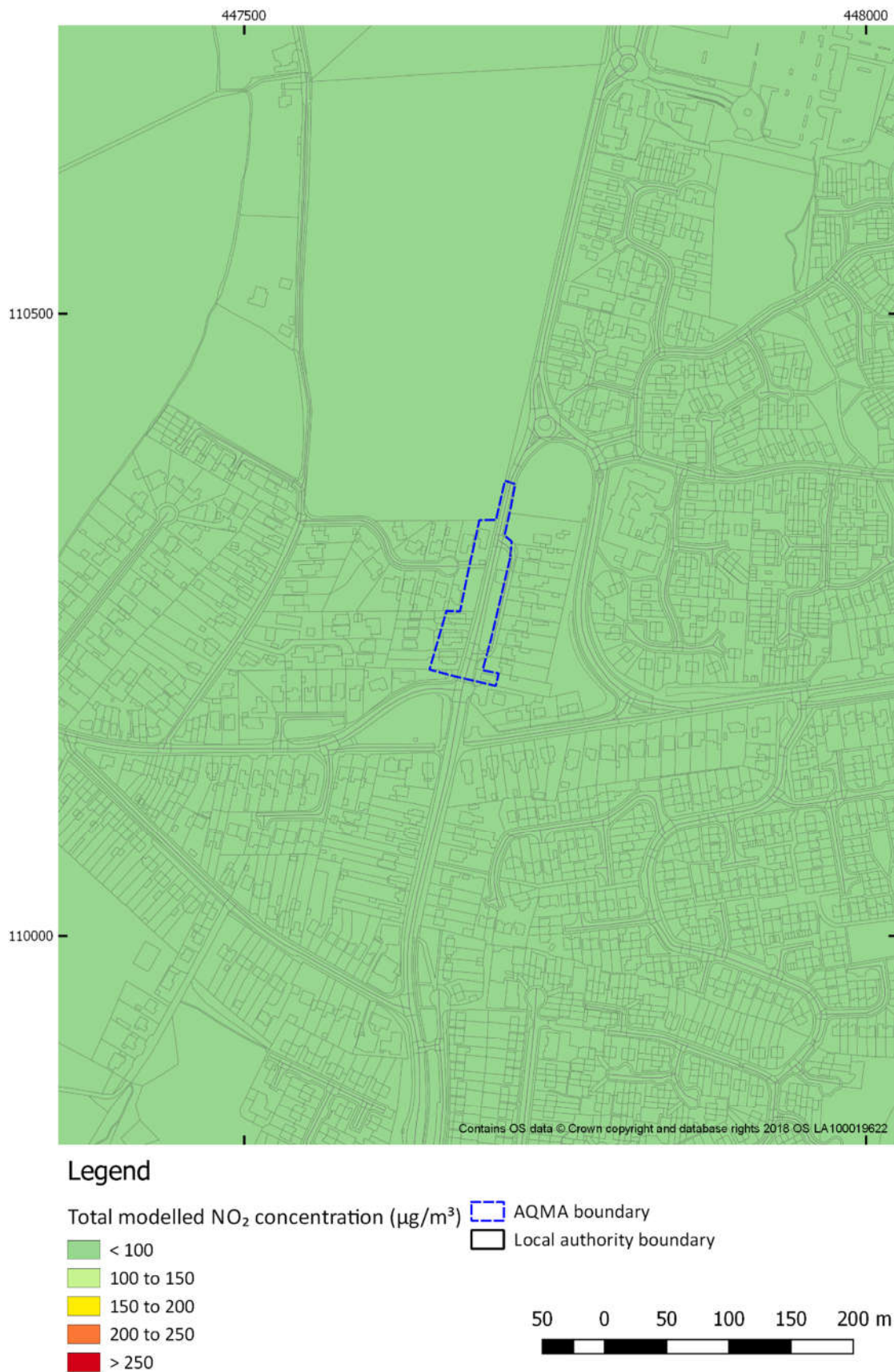
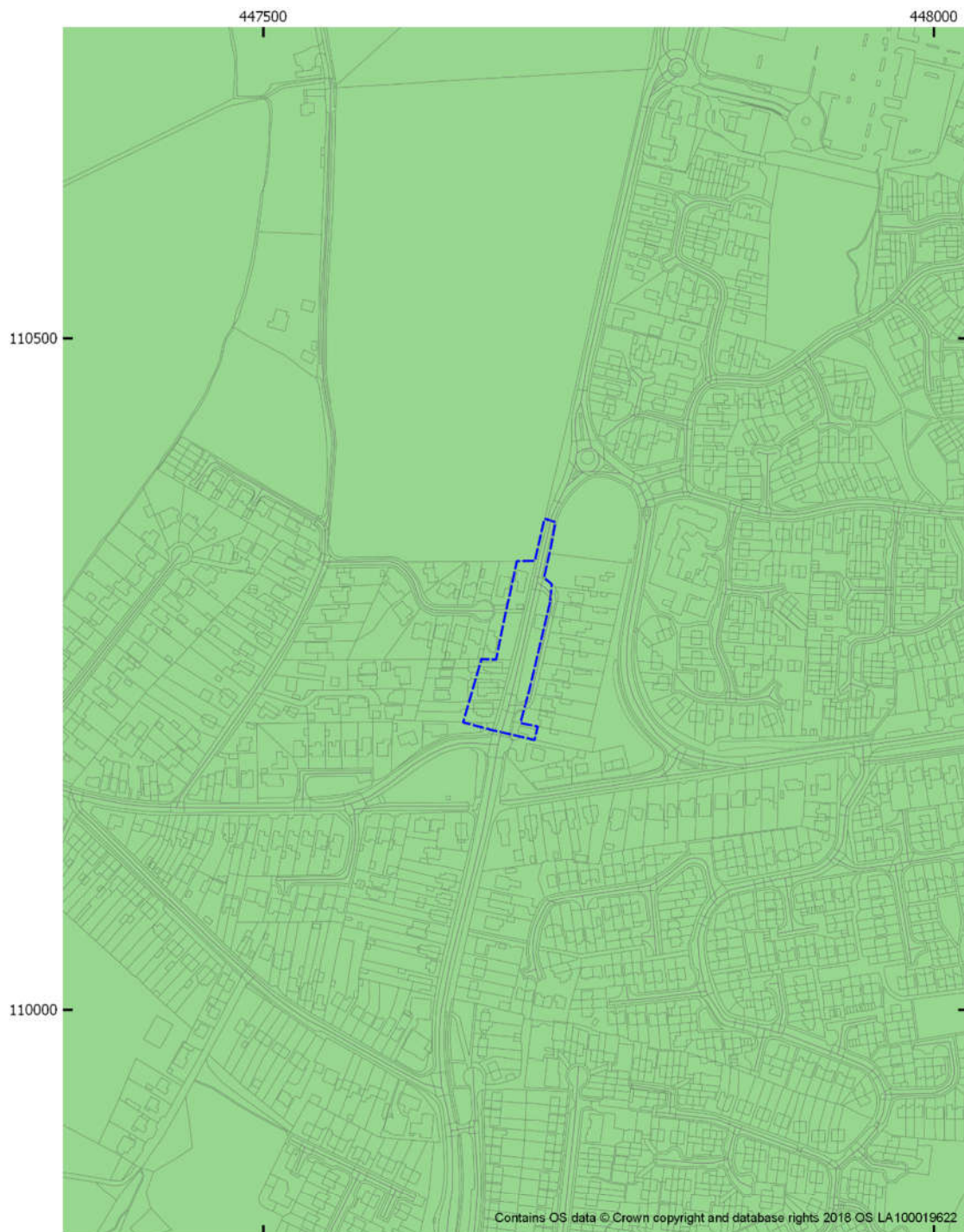
Figure 5-40 Short term NO₂ concentration model results for 2036 SGO C scenario AQMA No. 3 (Hamble Lane)

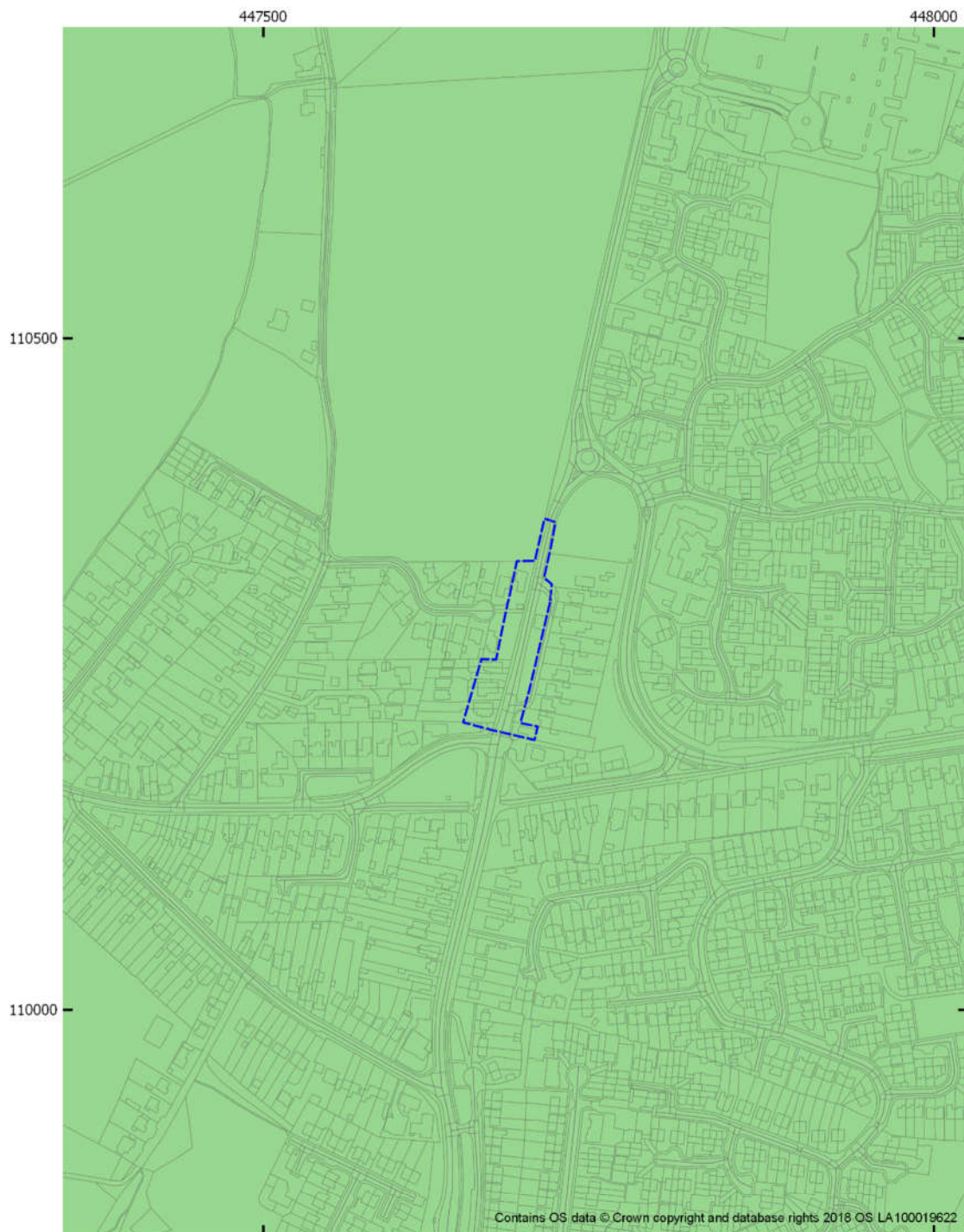
Figure 5-41 Short term NO₂ concentration model results for 2036 SGO D1 scenario AQMA No. 3 (Hamble Lane)**Legend**Total modelled NO₂ concentration (µg/m³)

- < 100
- 100 to 150
- 150 to 200
- 200 to 250
- > 250

AQMA boundary

Local authority boundary

50 0 50 100 150 200 m

Figure 5-42 Short term NO₂ concentration model results for 2036 SGO D2 scenario AQMA No. 3 (Hamble Lane)**Legend**Total modelled NO₂ concentration (µg/m³)

- < 100
- 100 to 150
- 150 to 200
- 200 to 250
- > 250

AQMA boundary

Local authority boundary

50 0 50 100 150 200 m

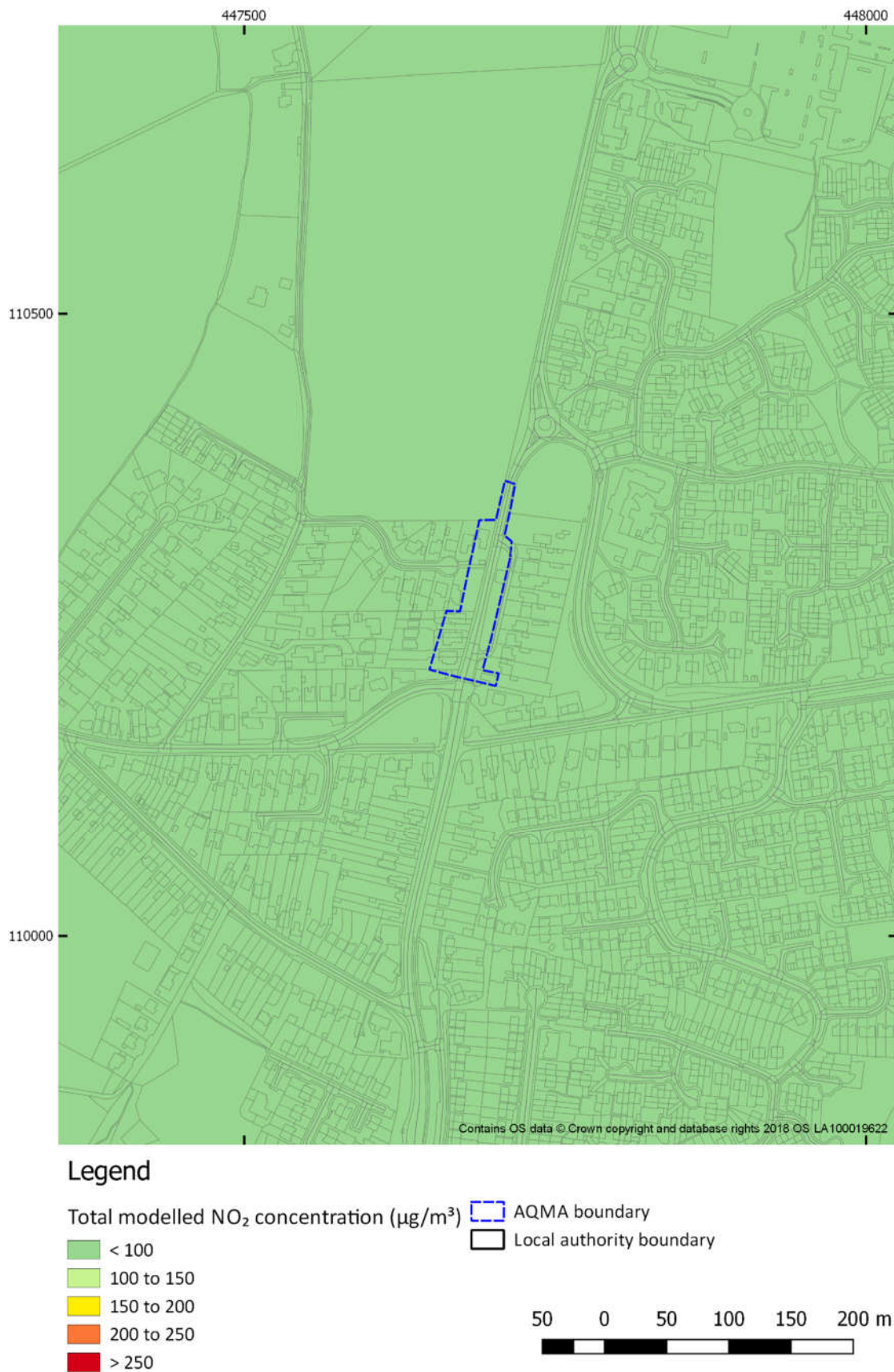
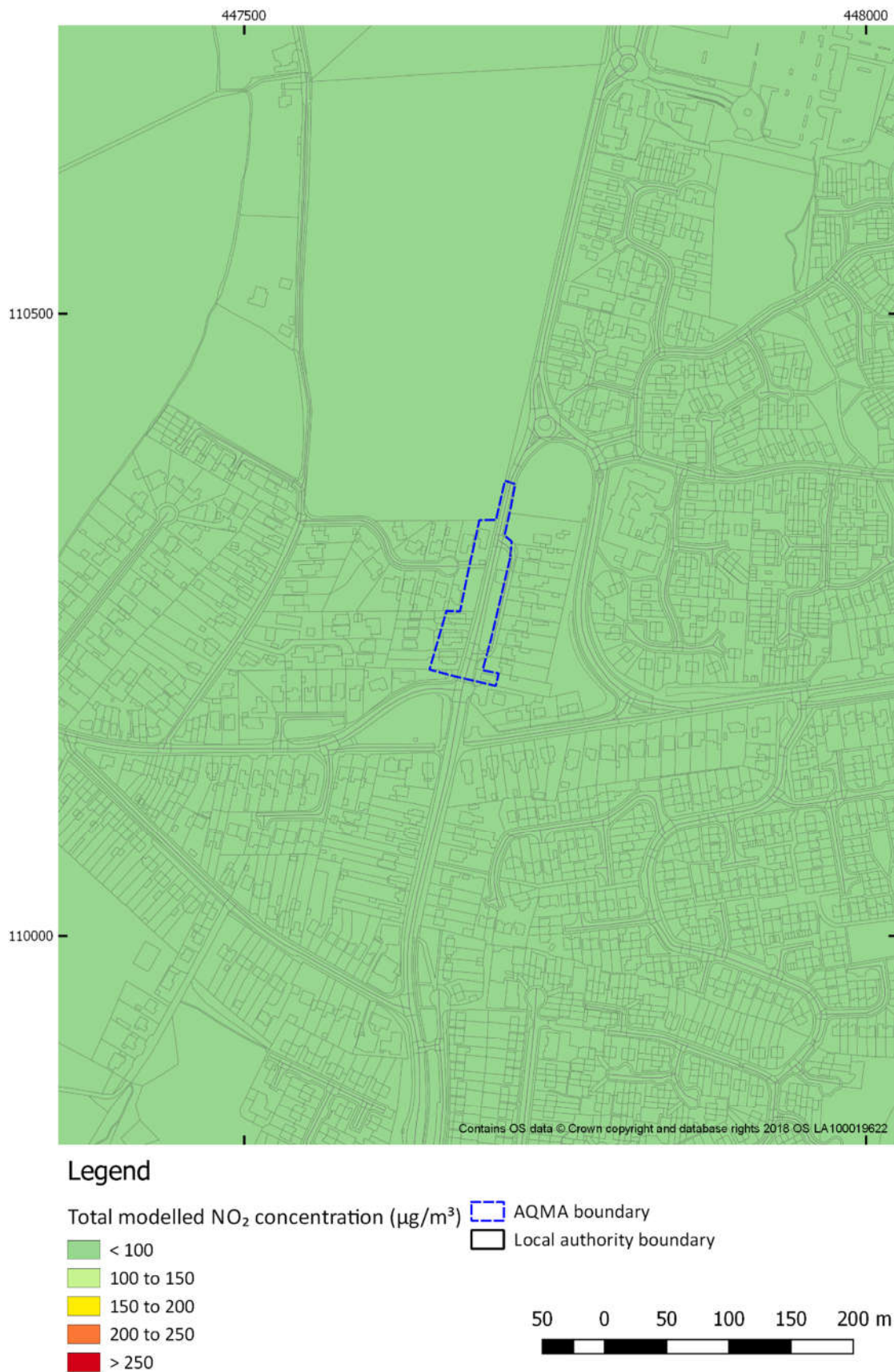
Figure 5-43 Short term NO₂ concentration model results for 2036 SGO E scenario AQMA No. 3 (Hamble Lane)

Figure 5-44 Short term NO₂ concentration model results for 2036 Baseline AQMA No. 3 (Hamble Lane)

5.4 AQMA 4

Figure 5-45 Short term NO₂ concentration model results for pseudo-2030 SGO C scenario AQMA No. 4 (High Street Botley)

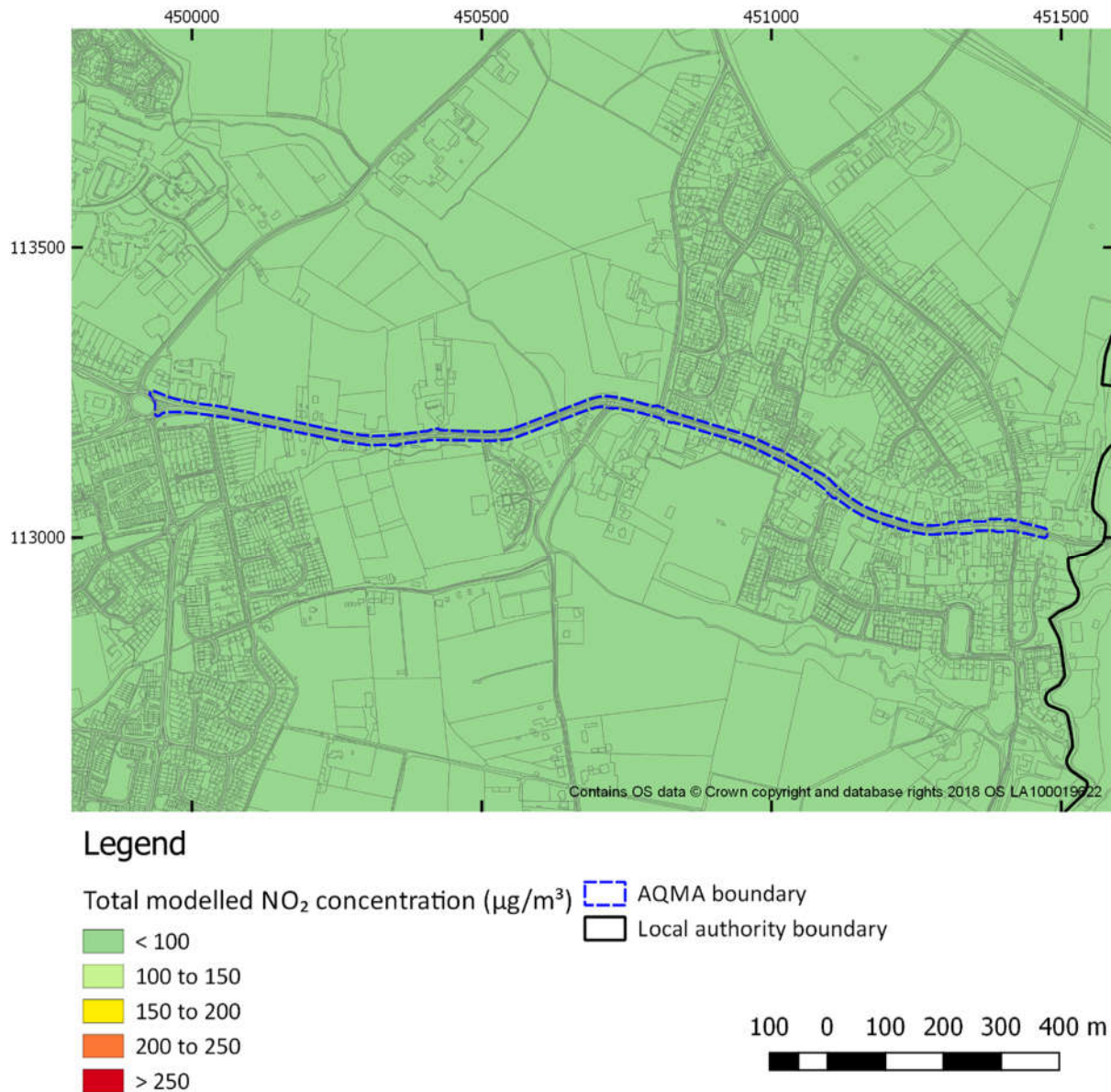


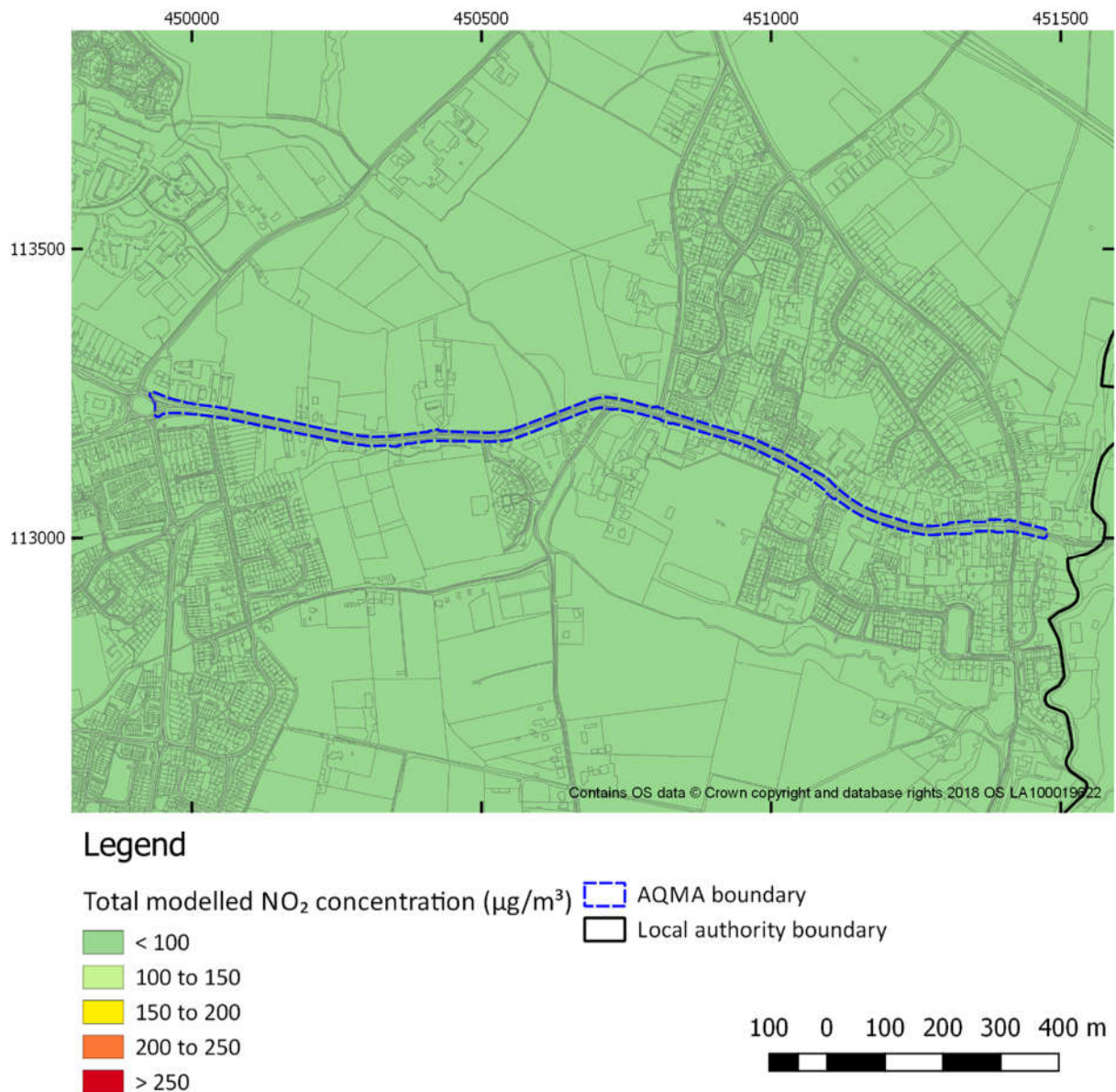
Figure 5-46 Short term NO₂ concentration model results for pseudo-2030 SGO D1 scenario AQMA No. 4 (High Street Botley)

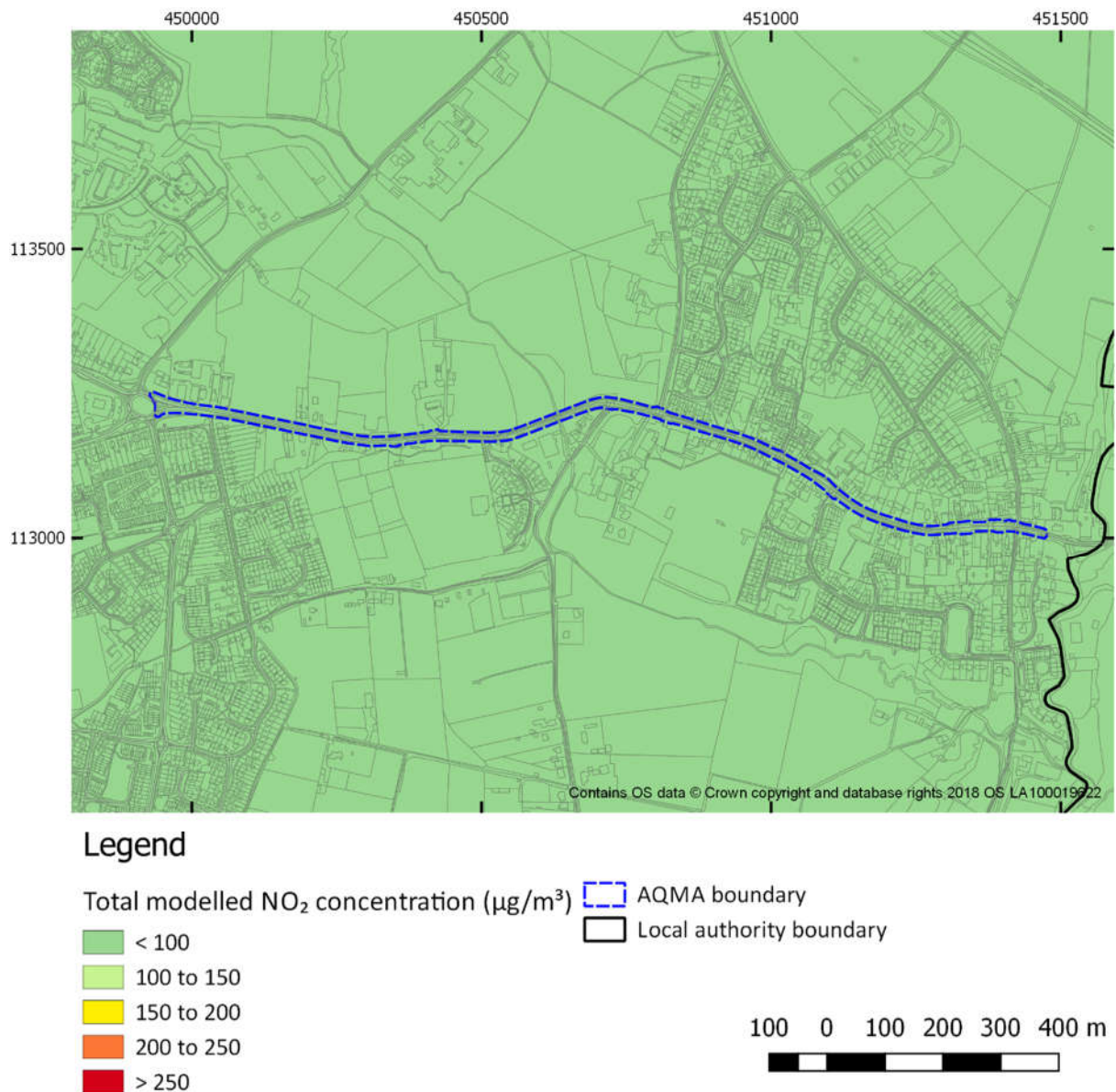
Figure 5-47 Short term NO₂ concentration model results for pseudo-2030 SGO D2 scenario AQMA No. 4 (High Street Botley)

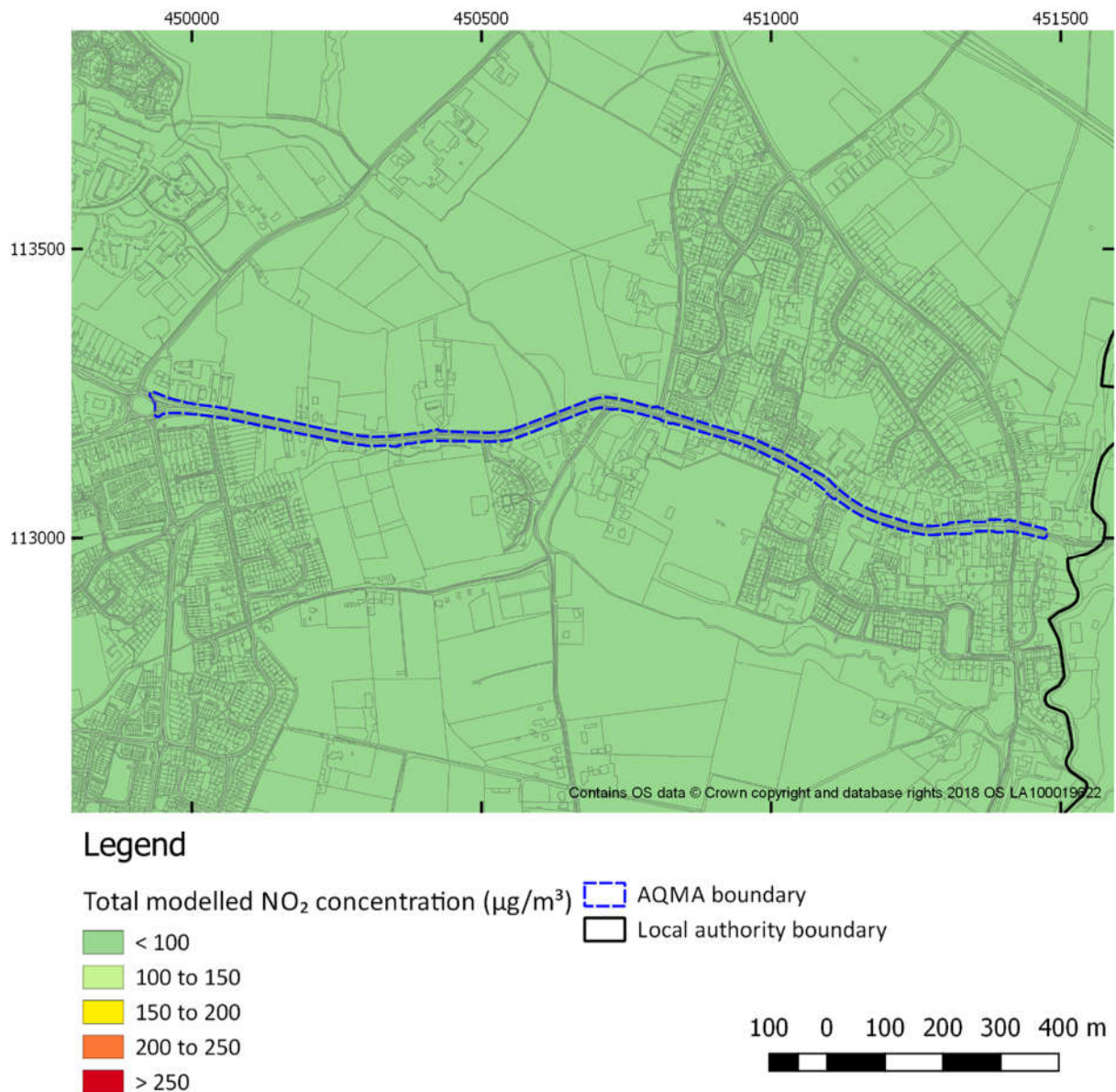
Figure 5-48 Short term NO₂ concentration model results for pseudo-2030 SGO E scenario AQMA No. 4 (High Street Botley)

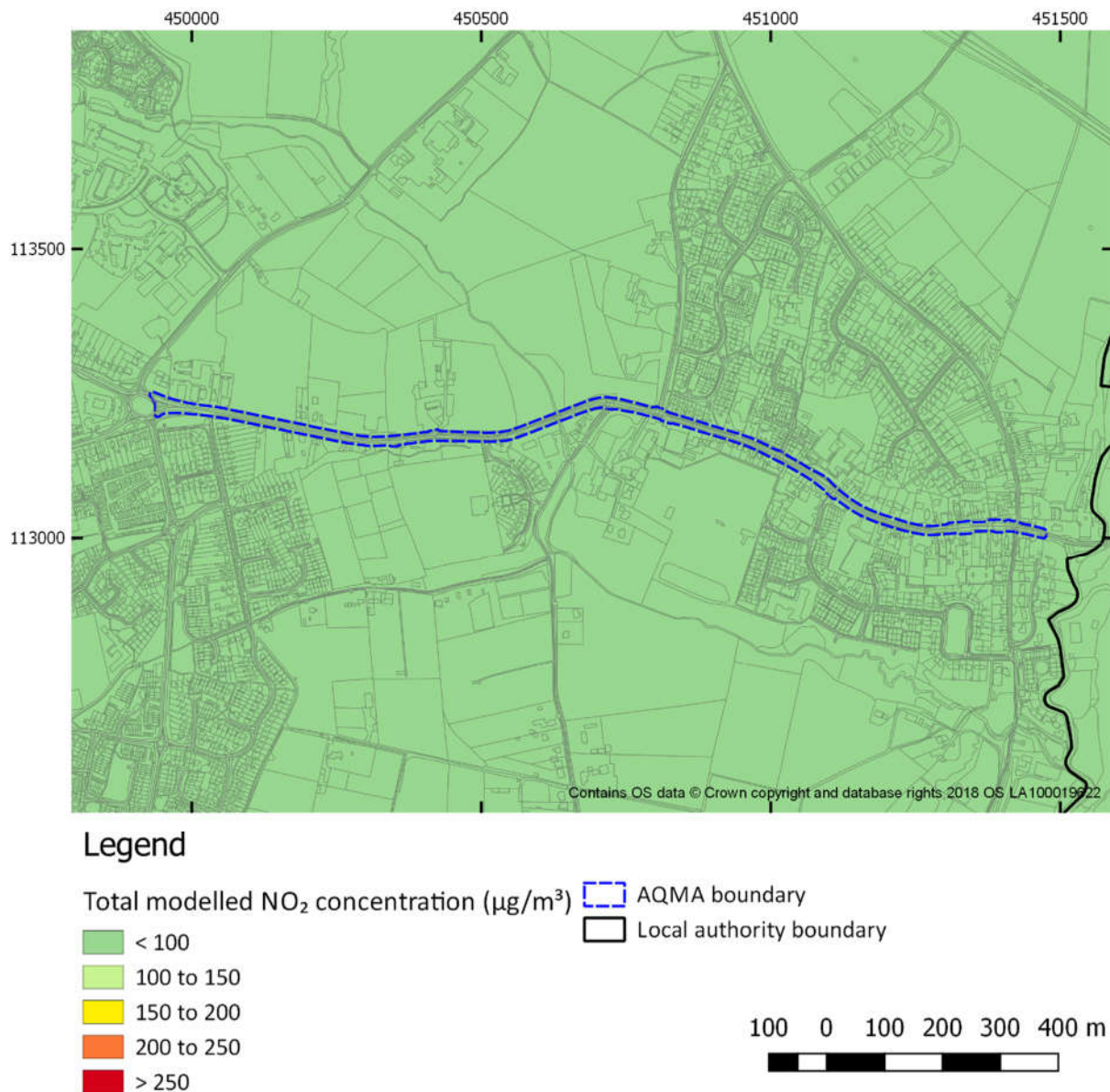
Figure 5-49 Short term NO₂ concentration model results for 2036 SGO C scenario AQMA No. 4 (High Street Botley)

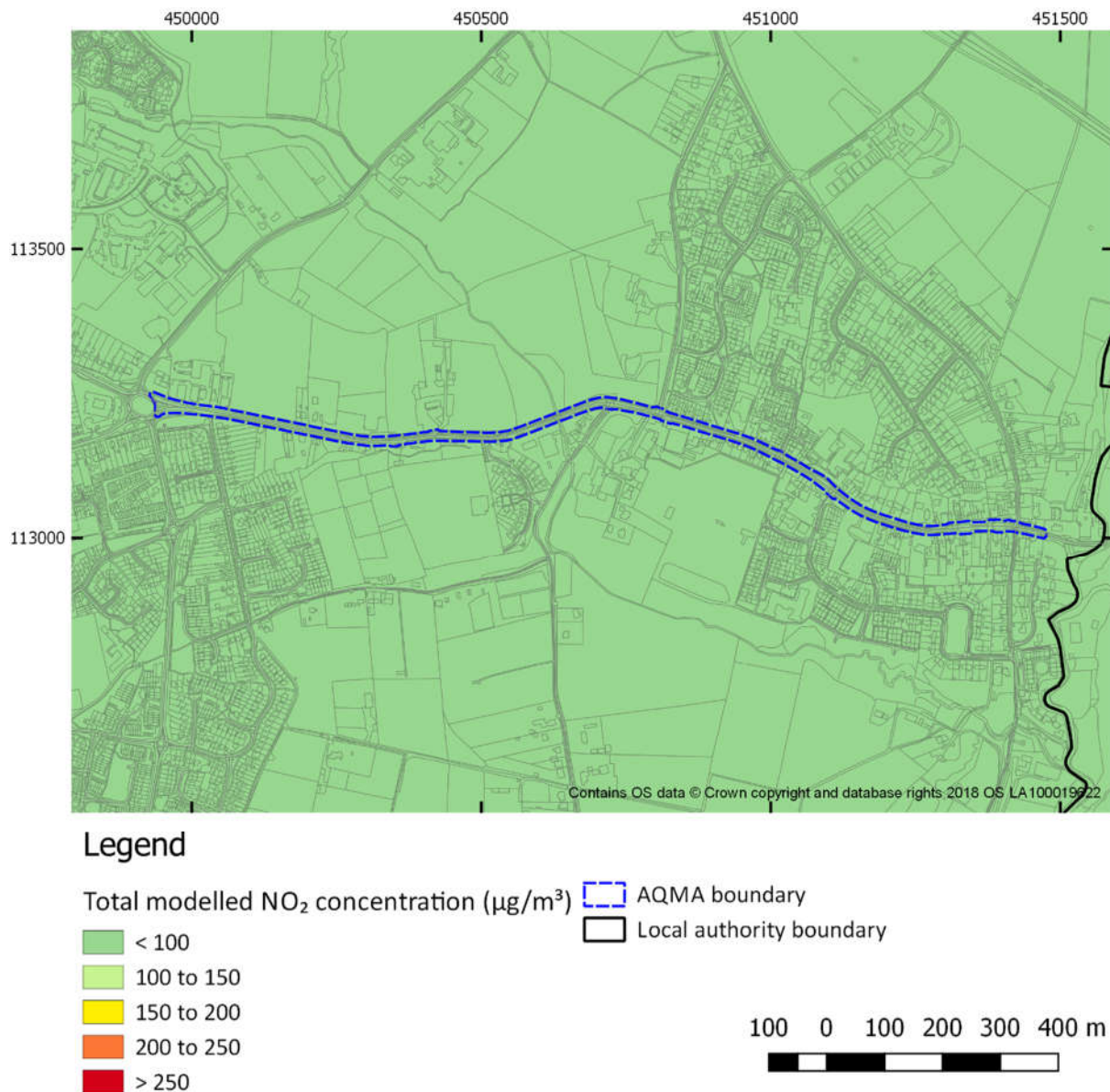
Figure 5-50 Short term NO₂ concentration model results for 2036 SGO D1 scenario AQMA No. 4 (High Street Botley)

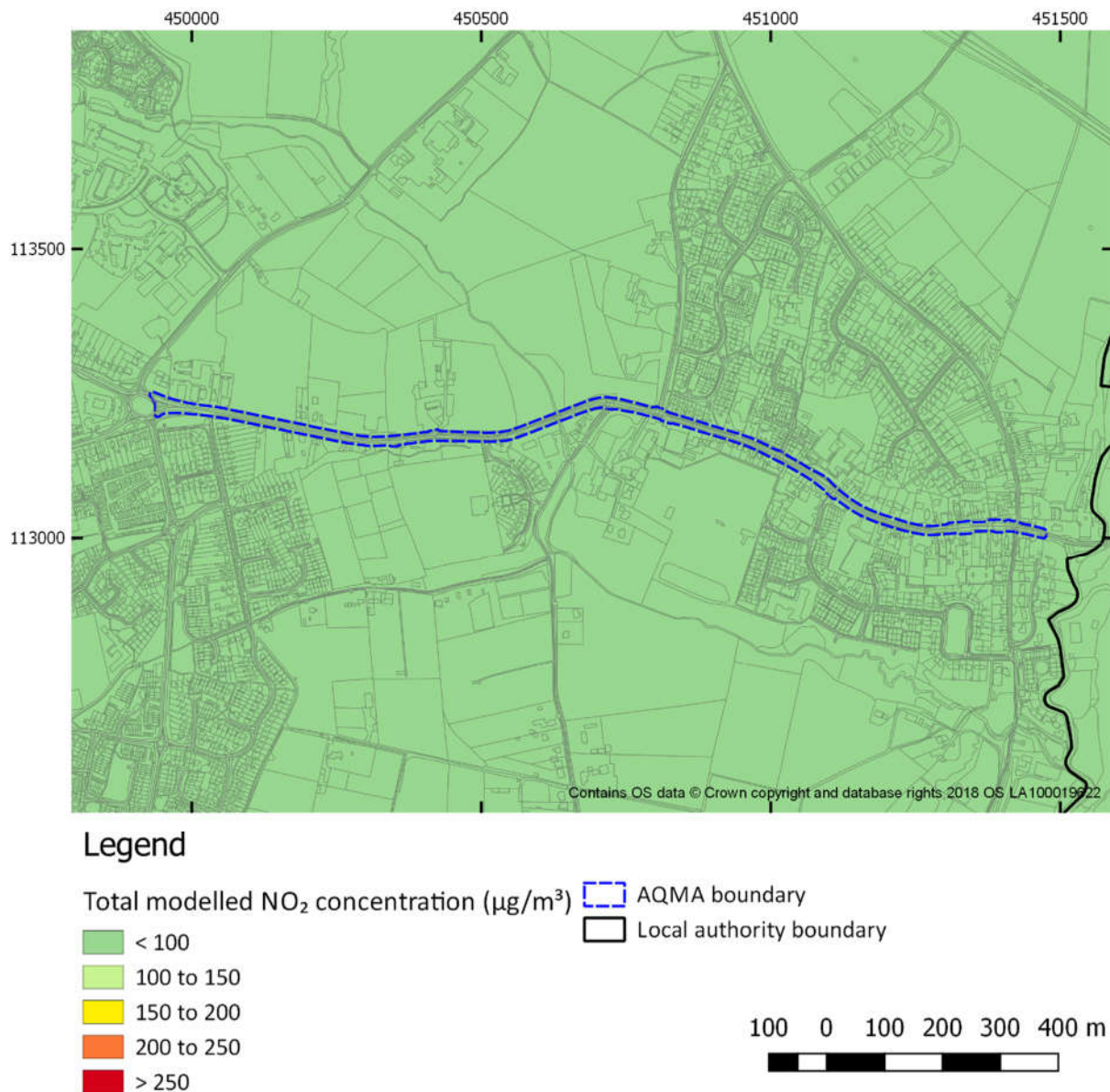
Figure 5-51 Short term NO₂ concentration model results for 2036 SGO D2 scenario AQMA No. 4 (High Street Botley)

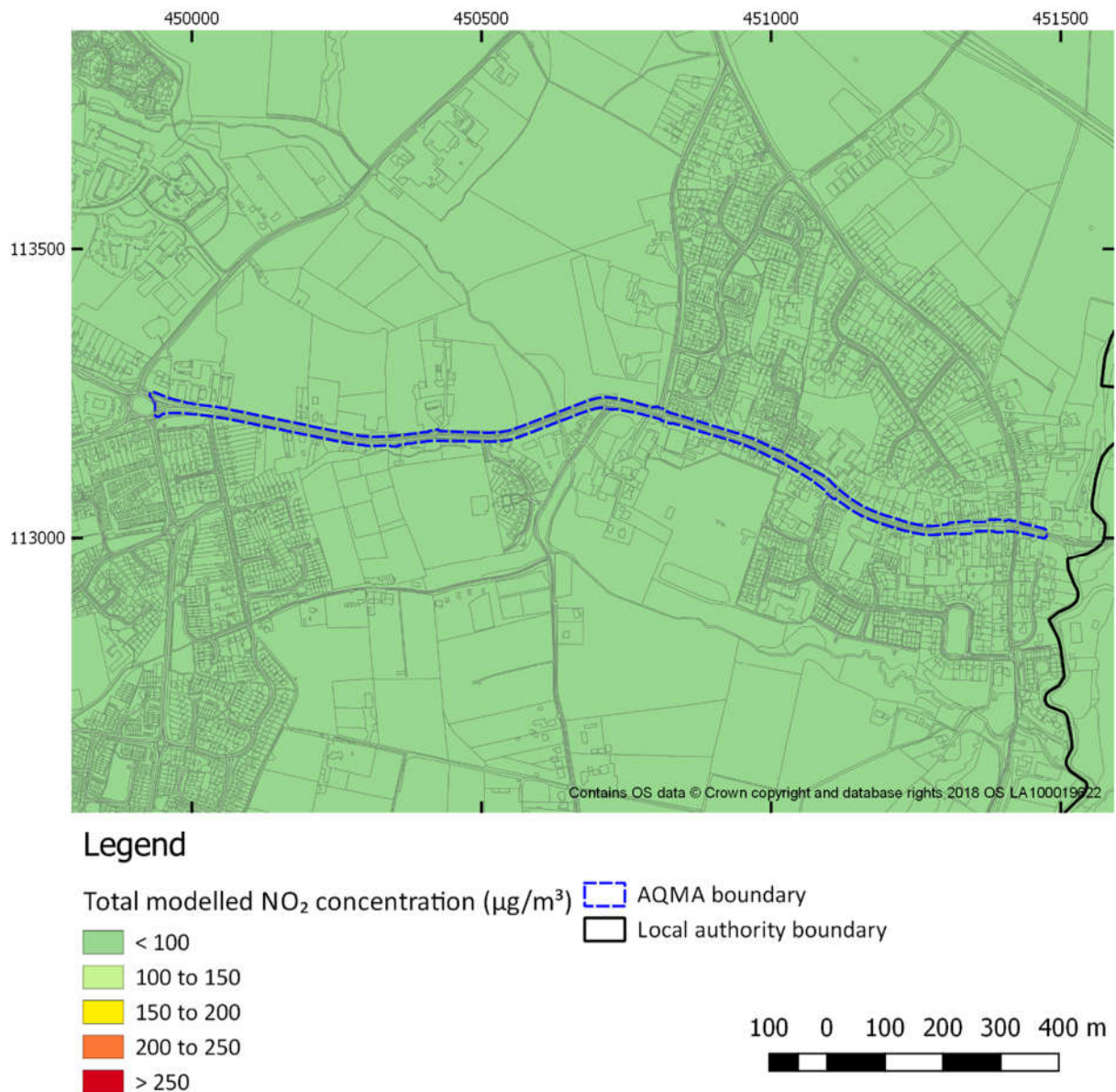
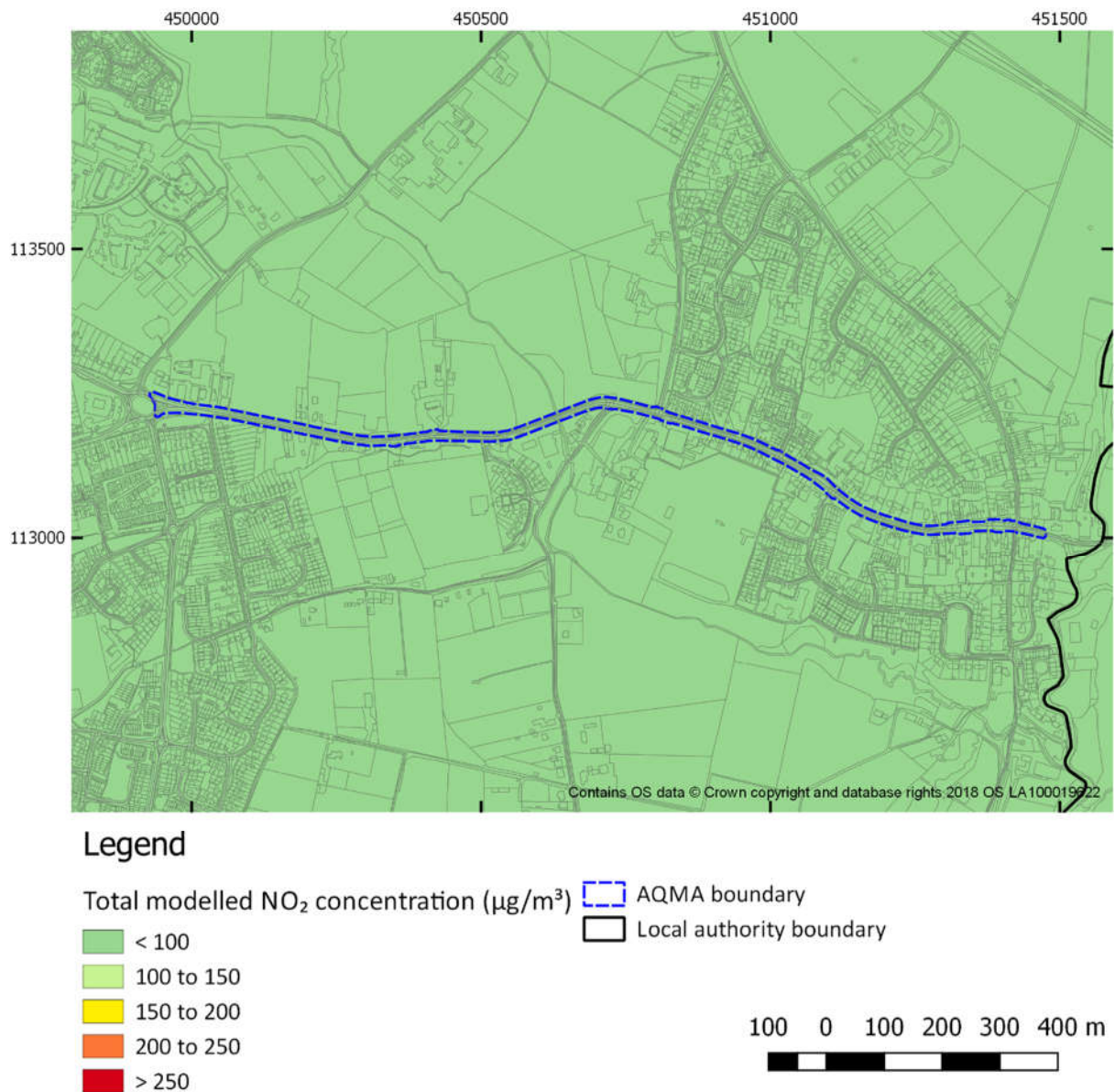
Figure 5-52 Short term NO₂ concentration model results for 2036 SGO E scenario AQMA No. 4 (High Street Botley)

Figure 5-53 Short term NO₂ concentration model results for 2036 Baseline AQMA No. 4 (High Street Botley)

6 90.4th percentile of PM₁₀ daily mean concentrations

6.1 Full modelling domain

Figure 6-1 Short term PM₁₀ concentration model results for pseudo-2030 SGO C scenario

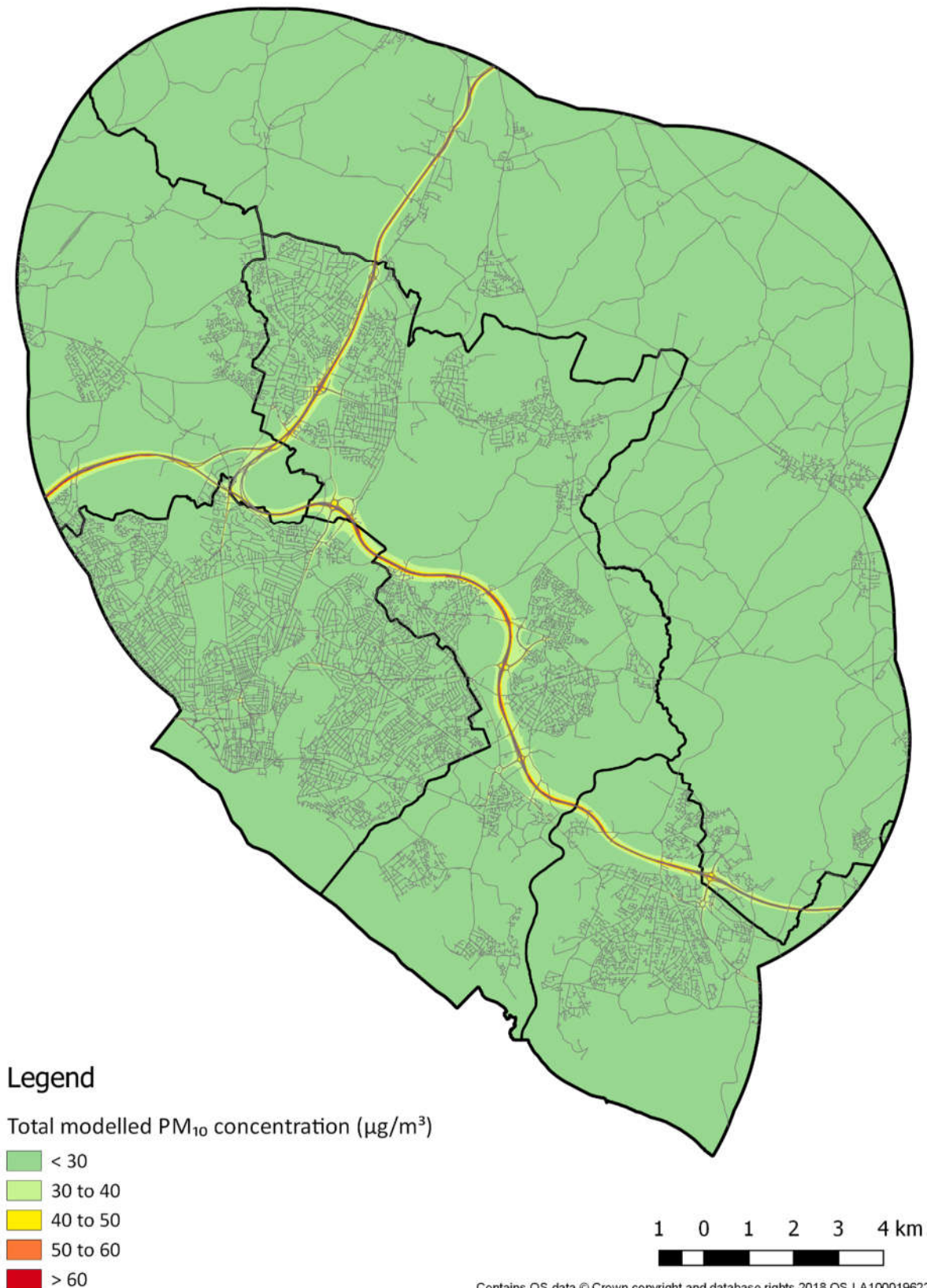


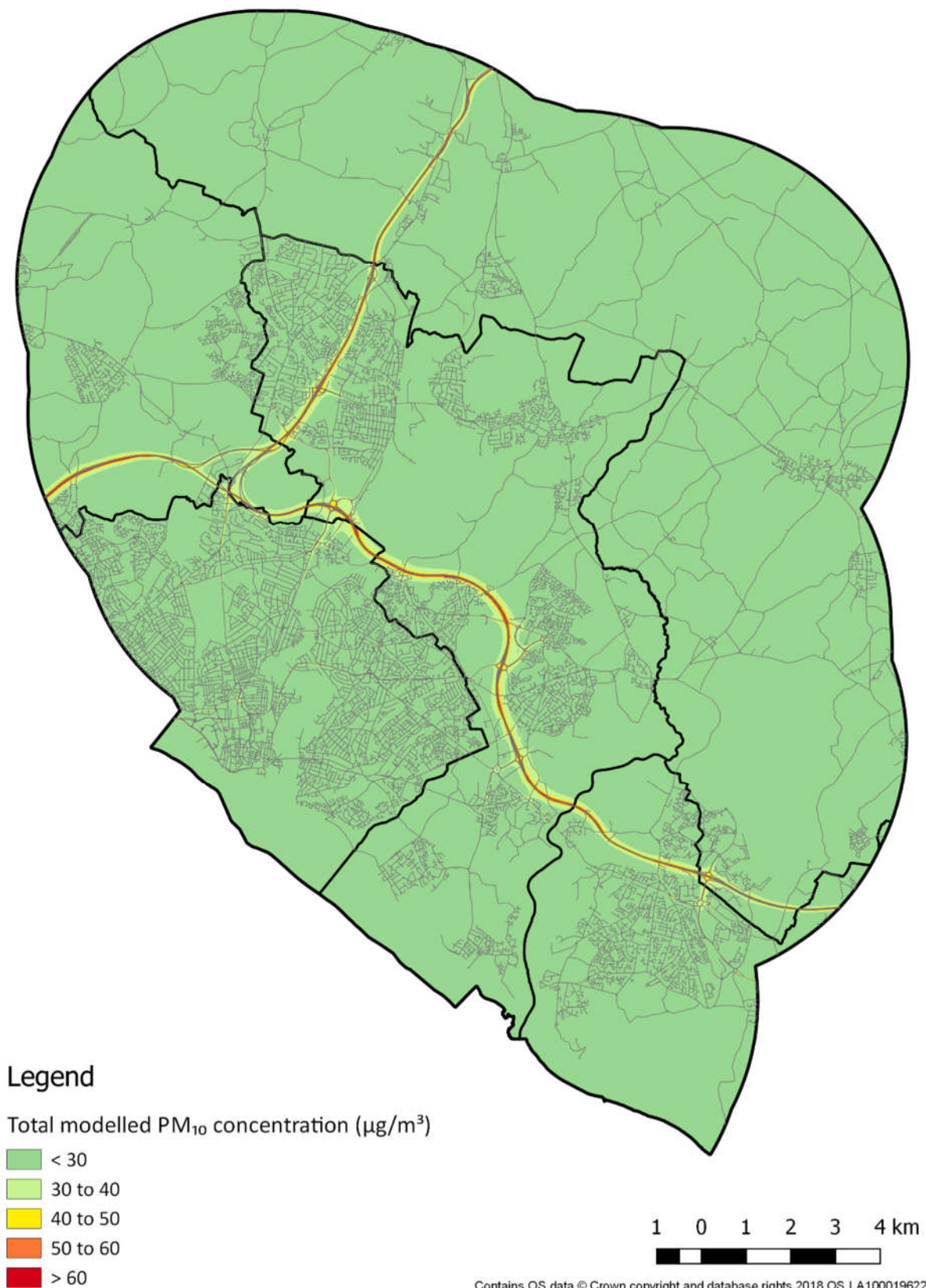
Figure 6-2 Short term PM₁₀ concentration model results for pseudo-2030 SGO D1 scenario

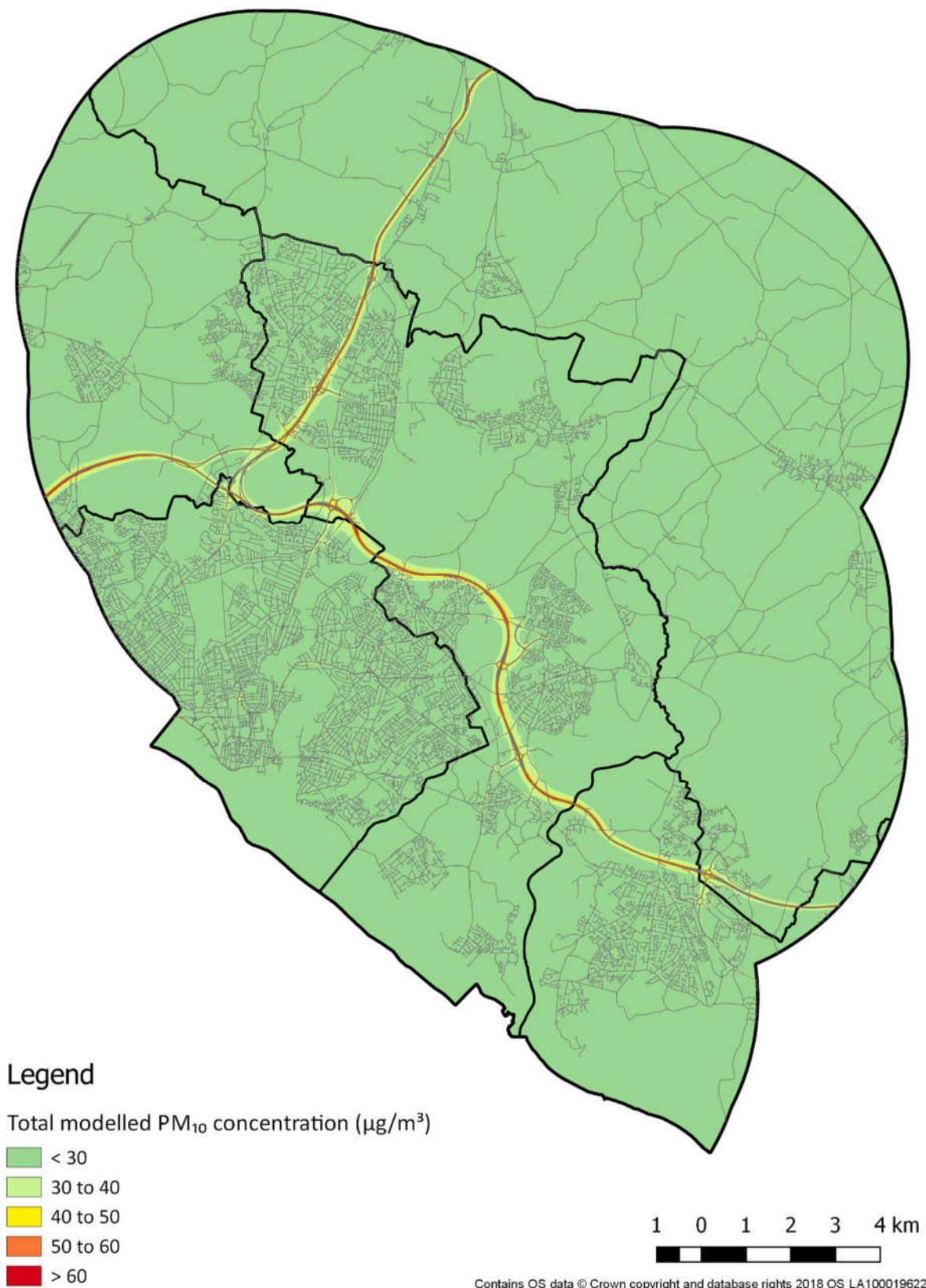
Figure 6-3 Short term PM₁₀ concentration model results for pseudo-2030 SGO D2 scenario

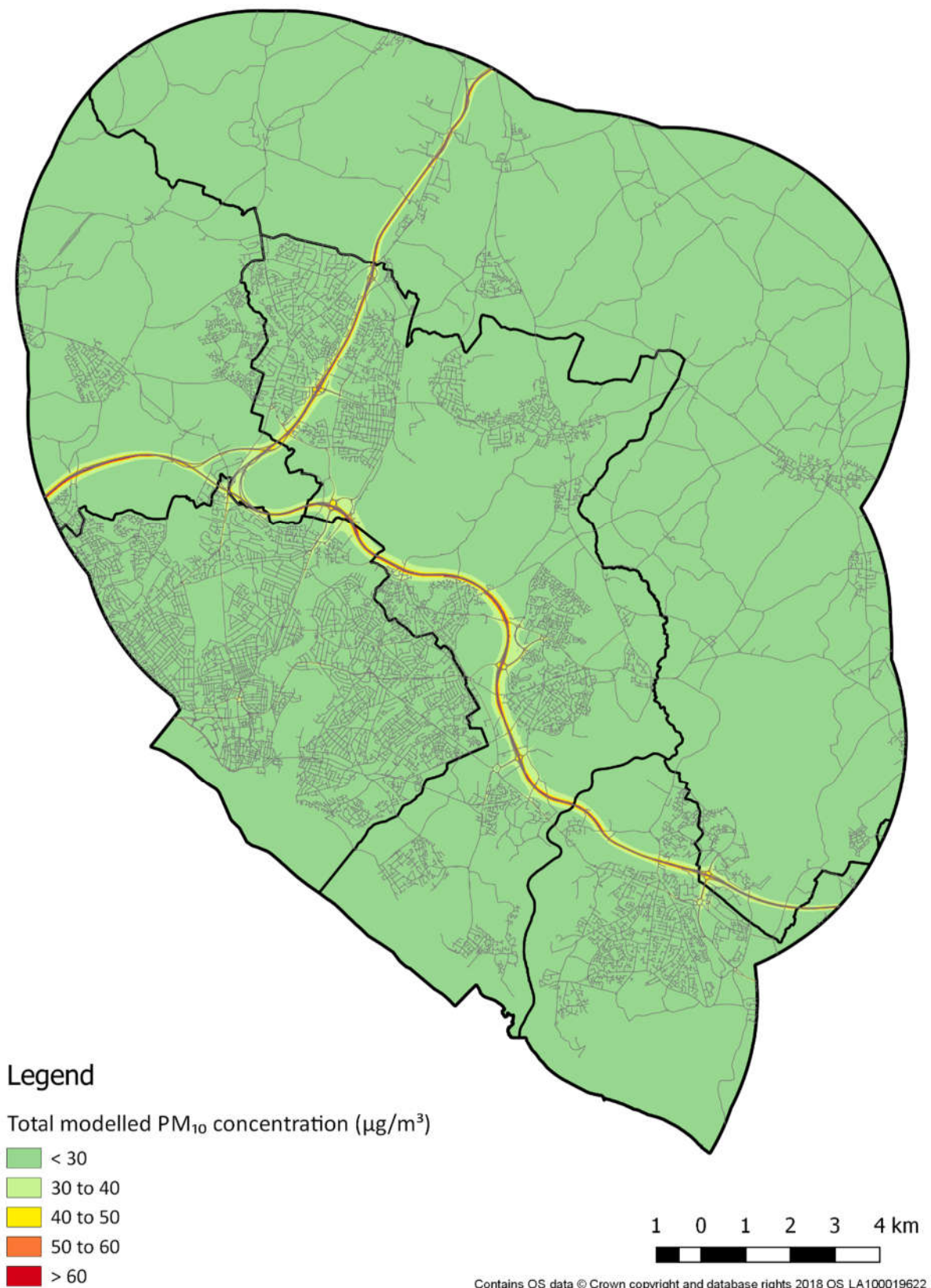
Figure 6-4 Short term PM₁₀ concentration model results for pseudo-2030 SGO E scenario

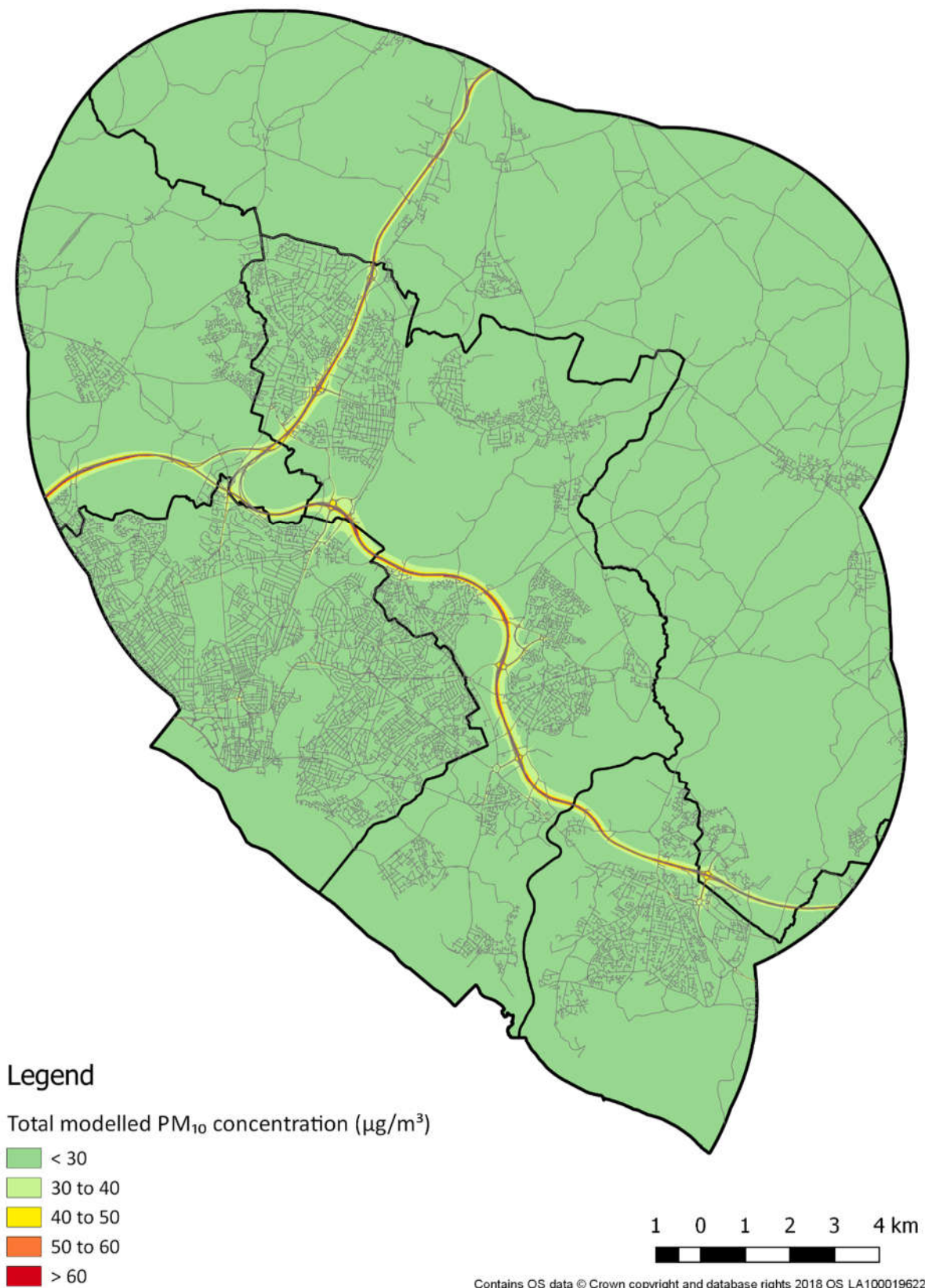
Figure 6-5 Short term PM₁₀ concentration model results for 2036 SGO C scenario

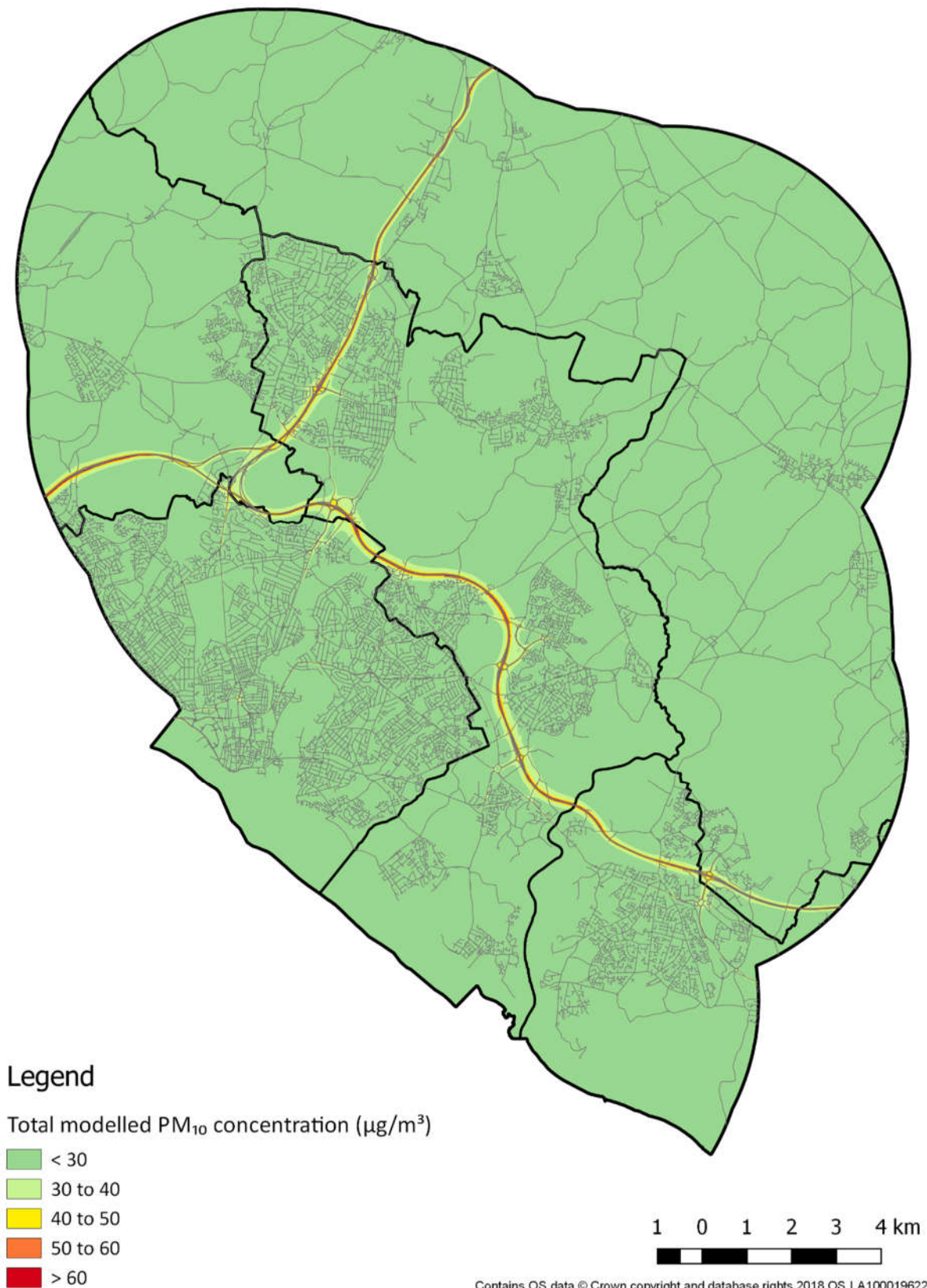
Figure 6-6 Short term PM₁₀ concentration model results for 2036 SGO D1 scenario

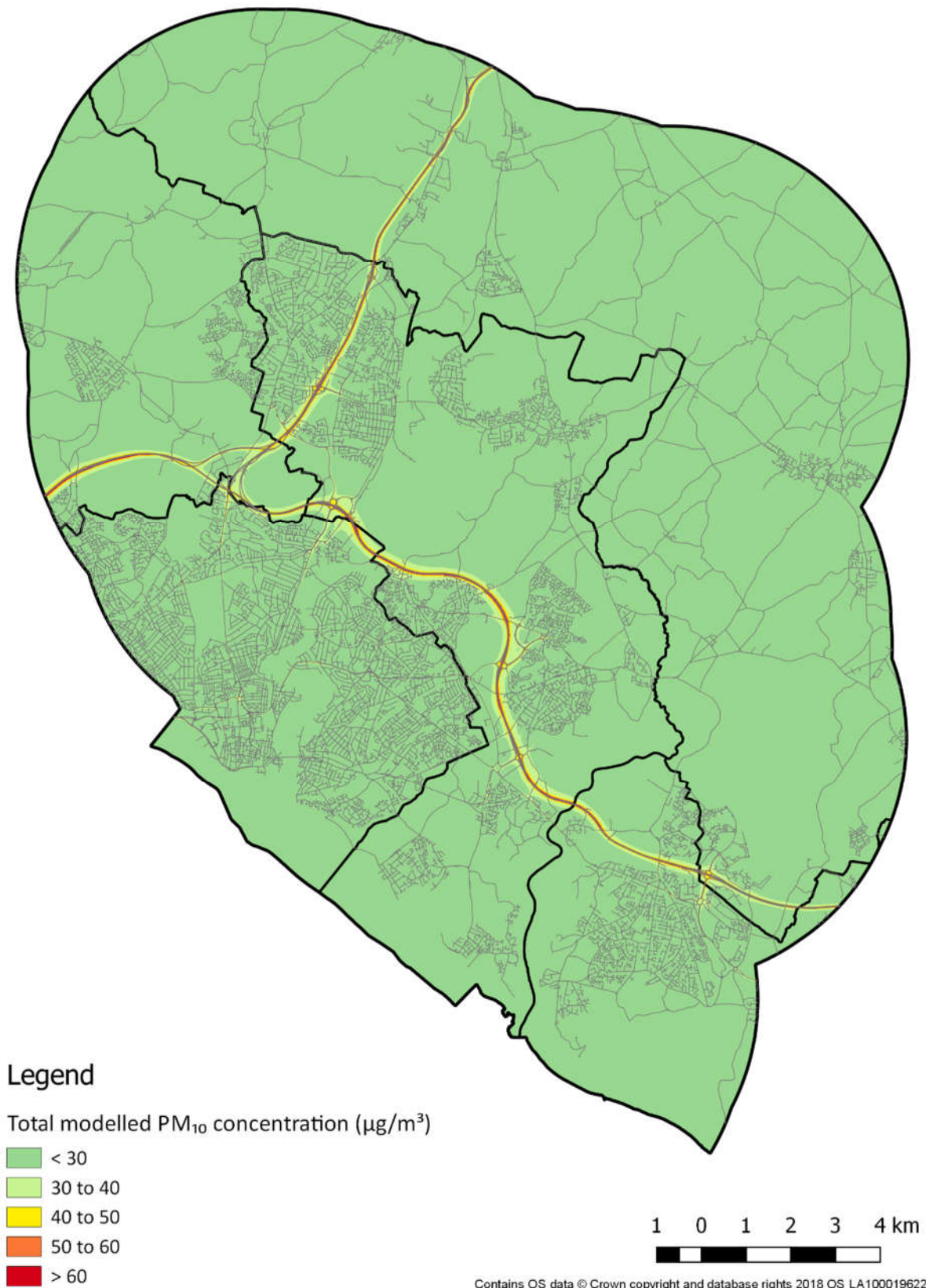
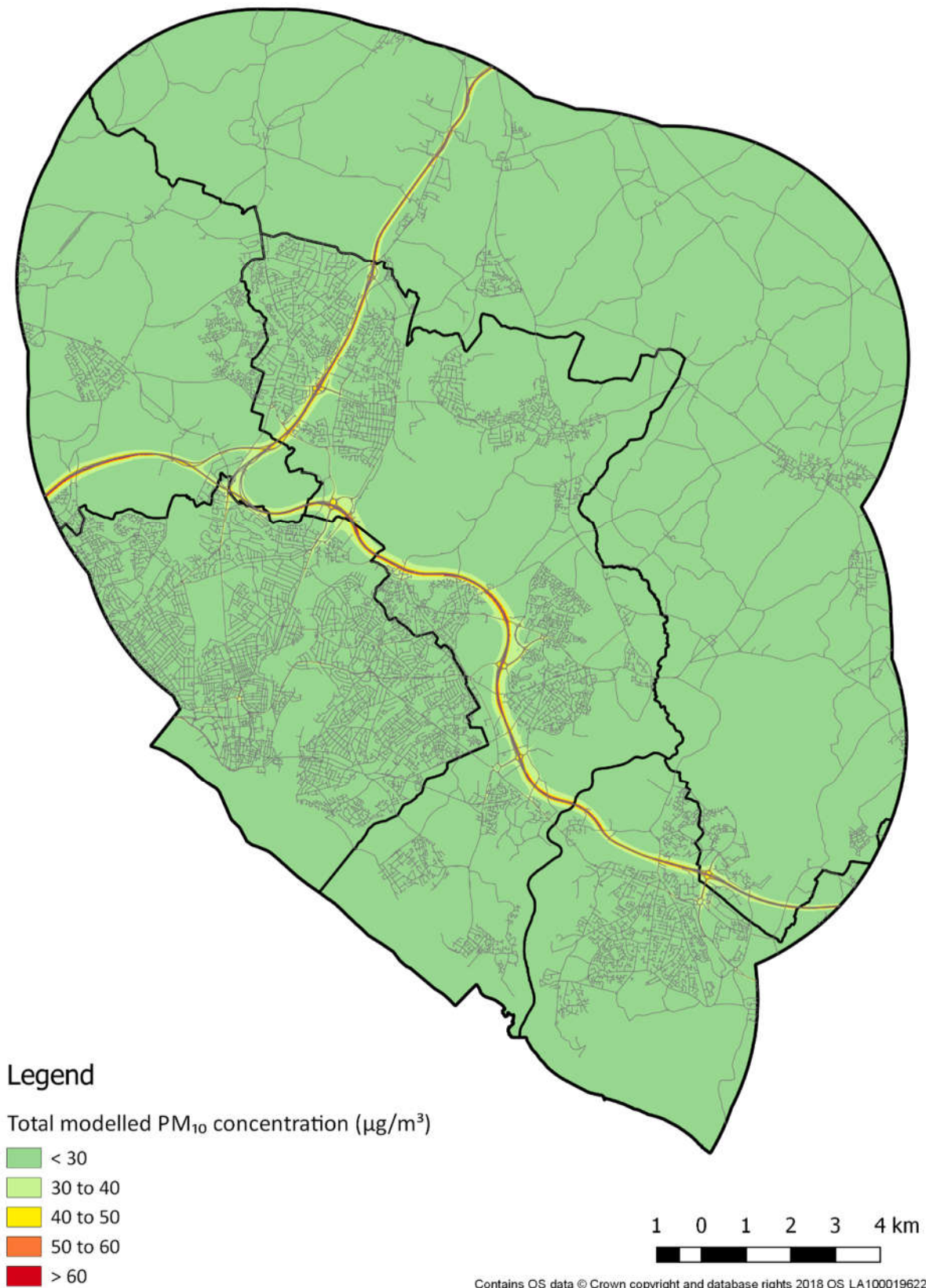
Figure 6-7 Short term PM₁₀ concentration model results for 2036 SGO D2 scenario

Figure 6-8 Short term PM₁₀ concentration model results for 2036 SGO E scenario

6.2 AQMA 1 and 2

Figure 6-9 Short term PM₁₀ concentration model results for pseudo-2030 SGO C scenario AQMA No. 1 (A335 / Eastleigh) (East)

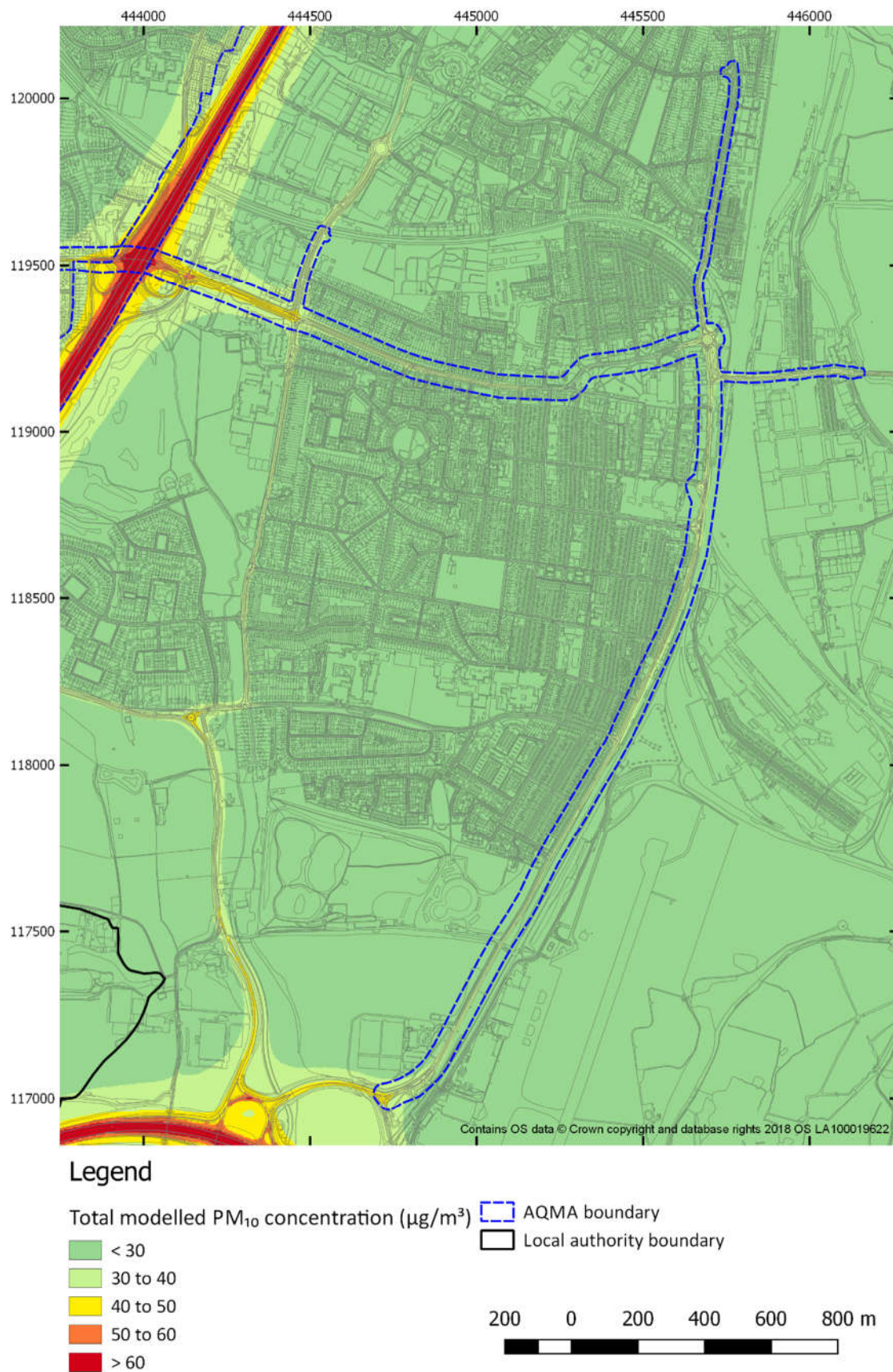


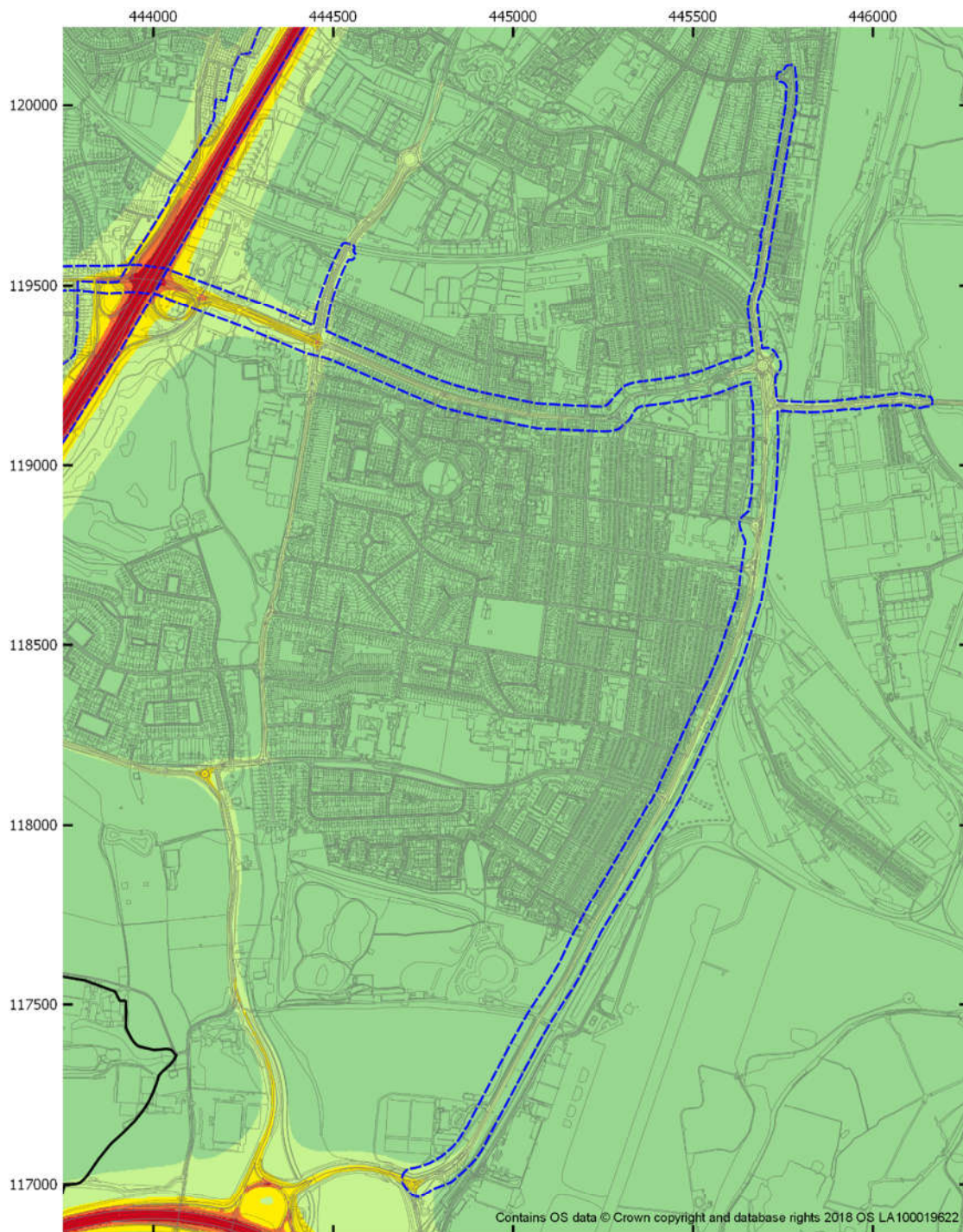
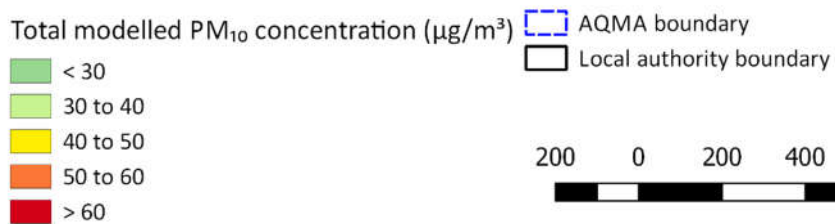
Figure 6-10 Short term PM₁₀ concentration model results for pseudo-2030 SGO D1 scenario AQMA No. 1 (A335 / Eastleigh) (East)**Legend**

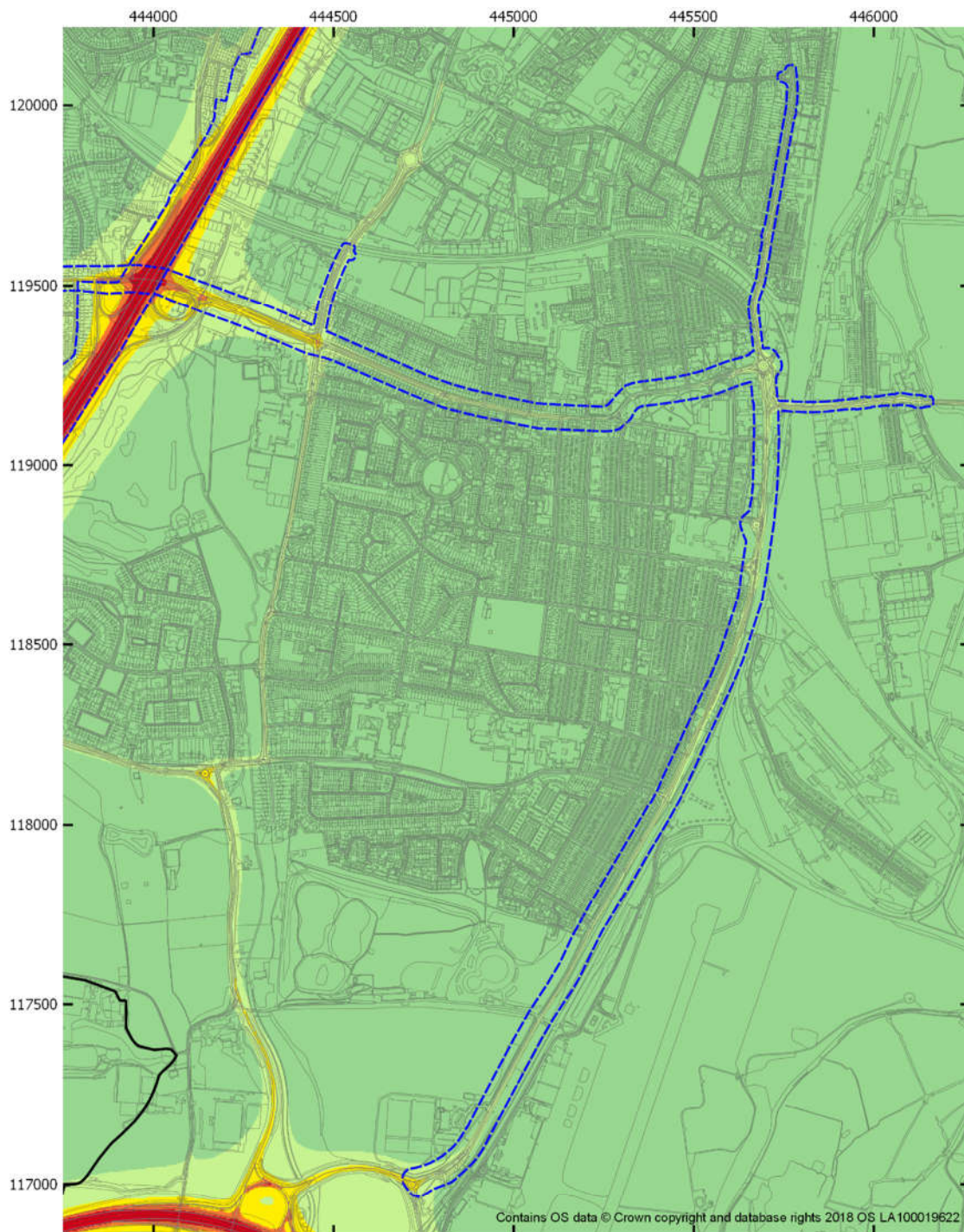
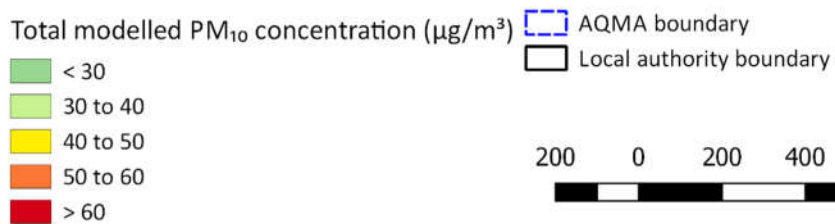
Figure 6-11 Short term PM₁₀ concentration model results for pseudo-2030 SGO D2 scenario AQMA No. 1 (A335 / Eastleigh) (East)**Legend**

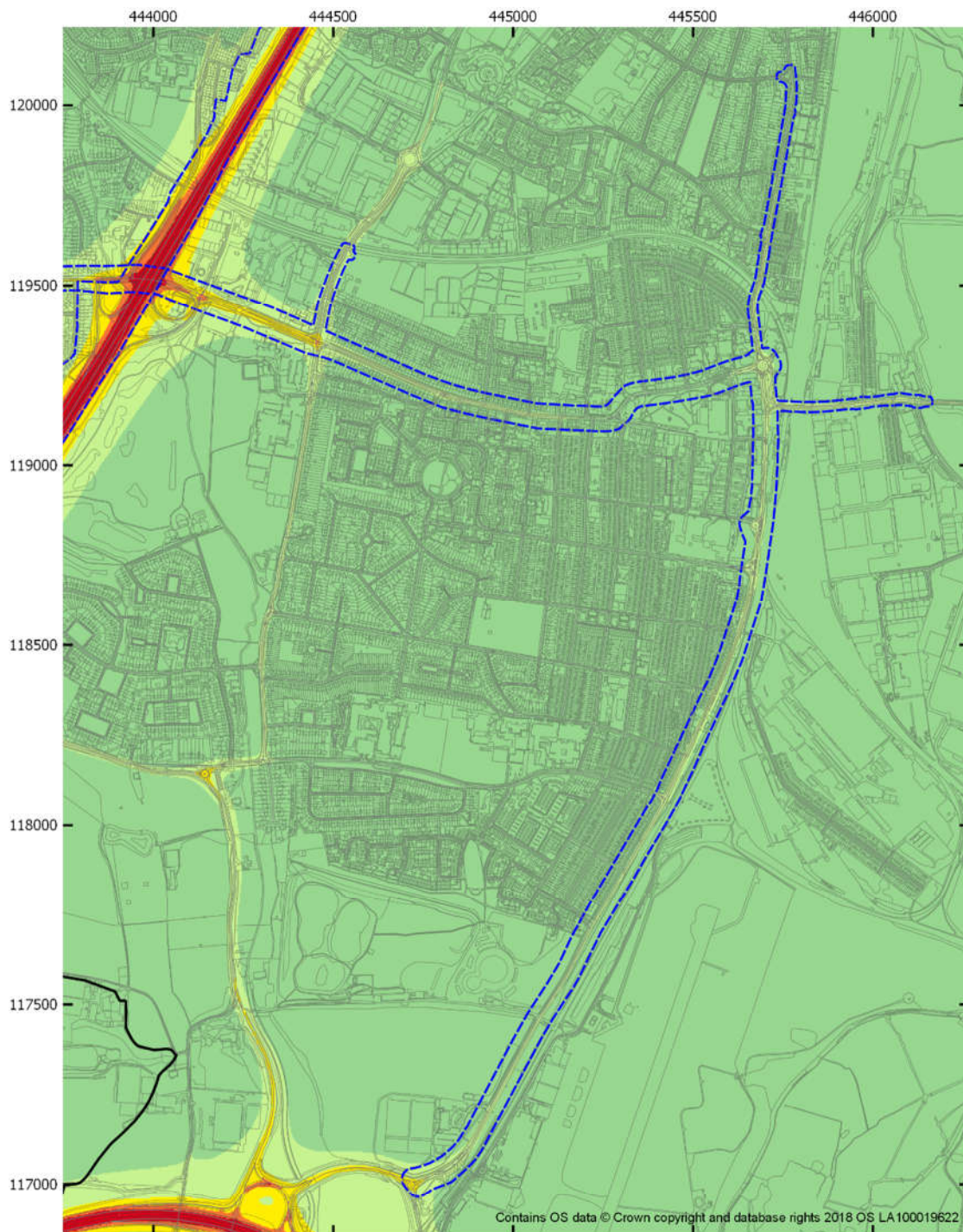
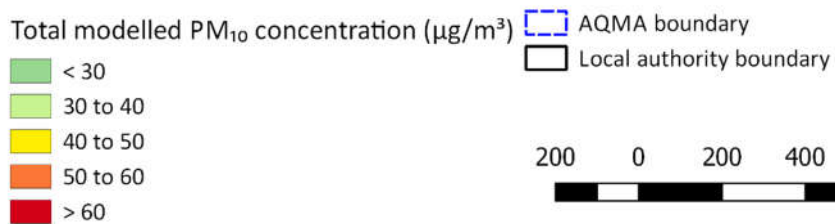
Figure 6-12 Short term PM₁₀ concentration model results for pseudo-2030 SGO E scenario AQMA No. 1 (A335 / Eastleigh) (East)**Legend**

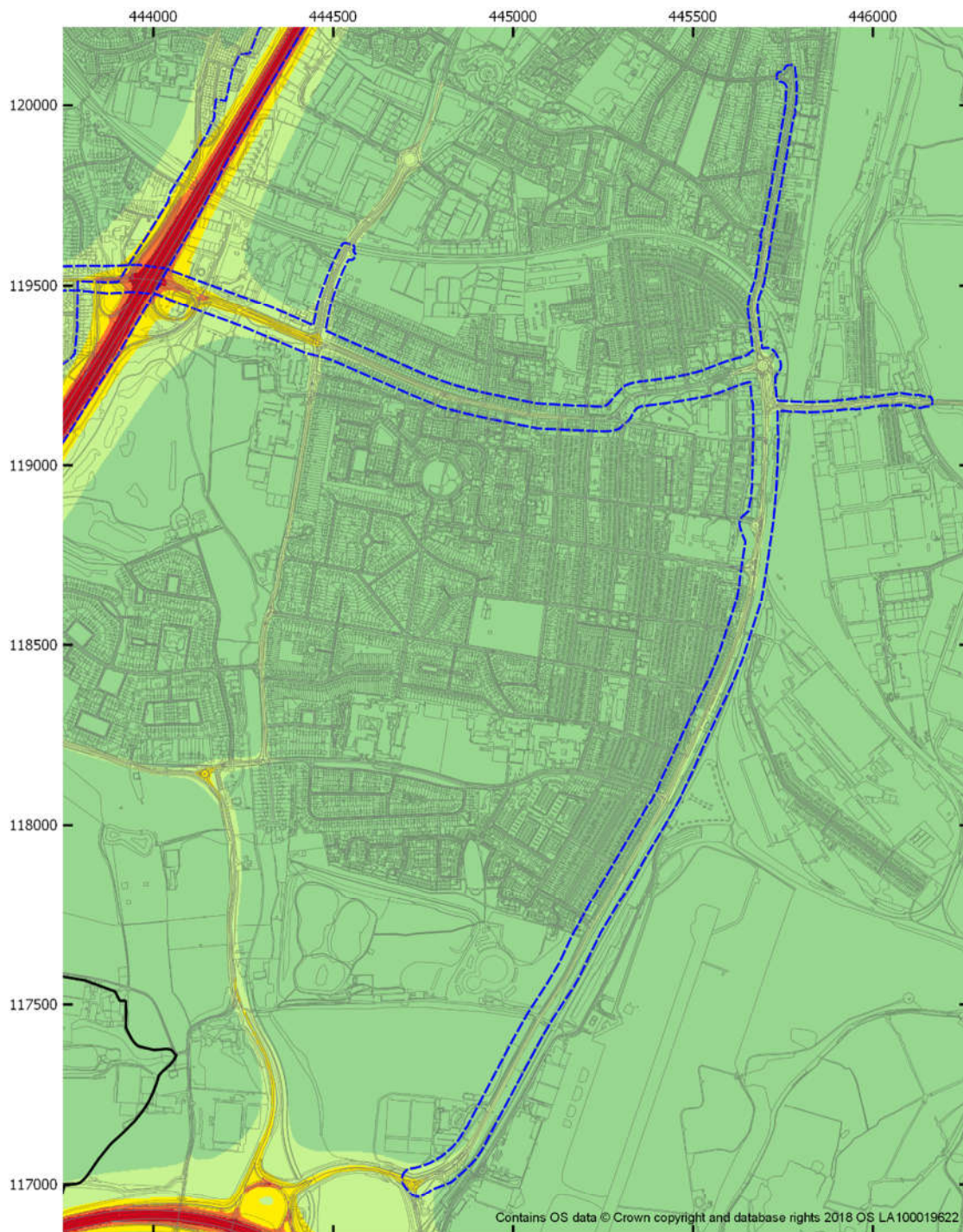
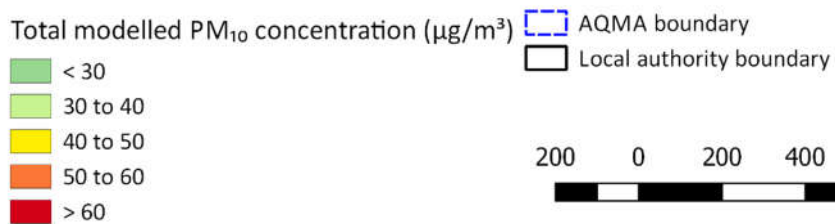
Figure 6-13 Short term PM₁₀ concentration model results for 2036 SGO C scenario AQMA No. 1 (A335 / Eastleigh) (East)**Legend**

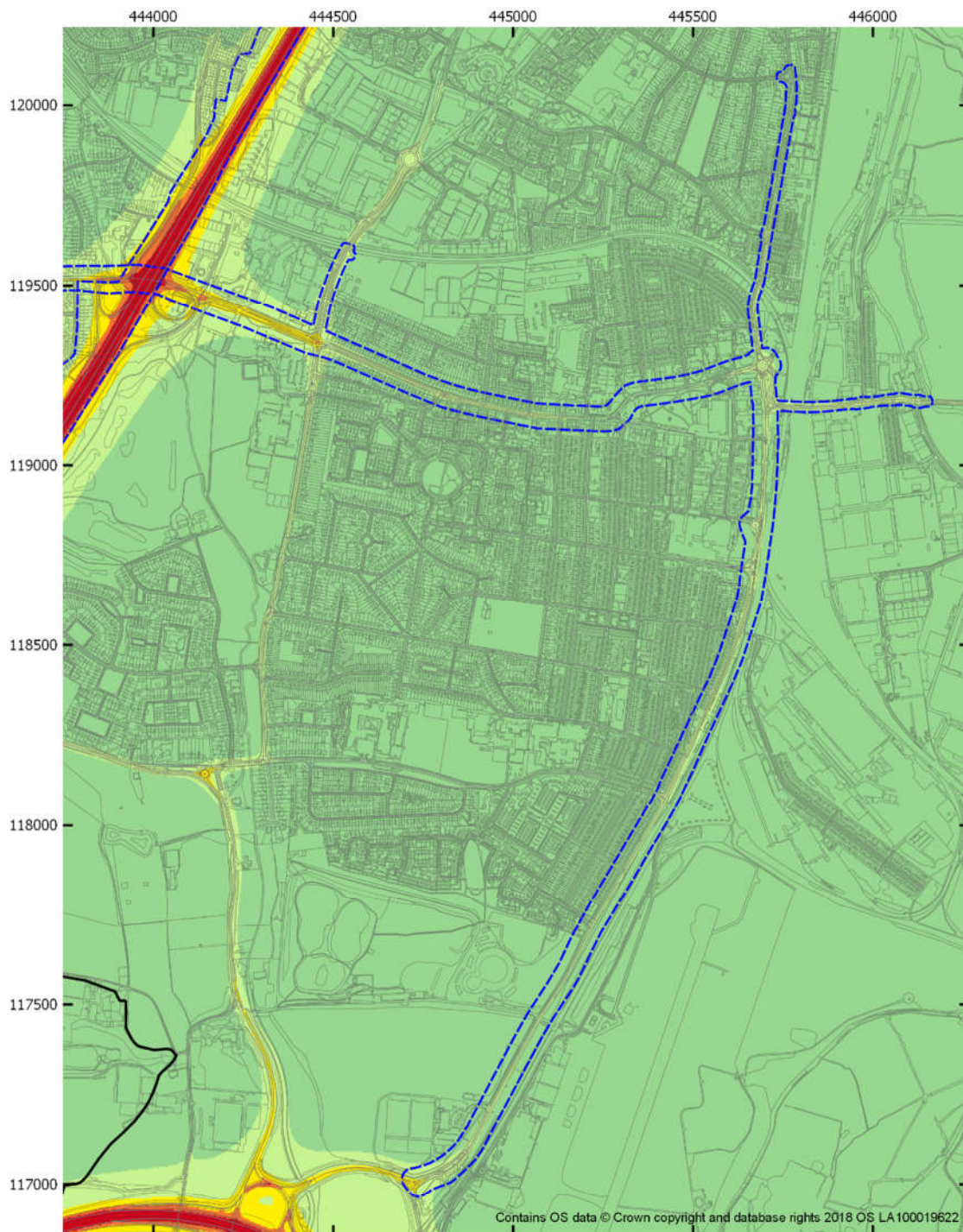
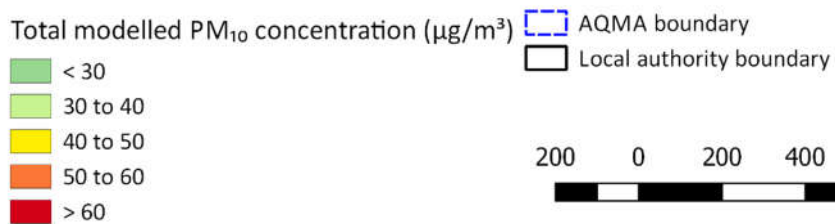
Figure 6-14 Short term PM₁₀ concentration model results for 2036 SGO D1 scenario AQMA No. 1 (A335 / Eastleigh) (East)**Legend**

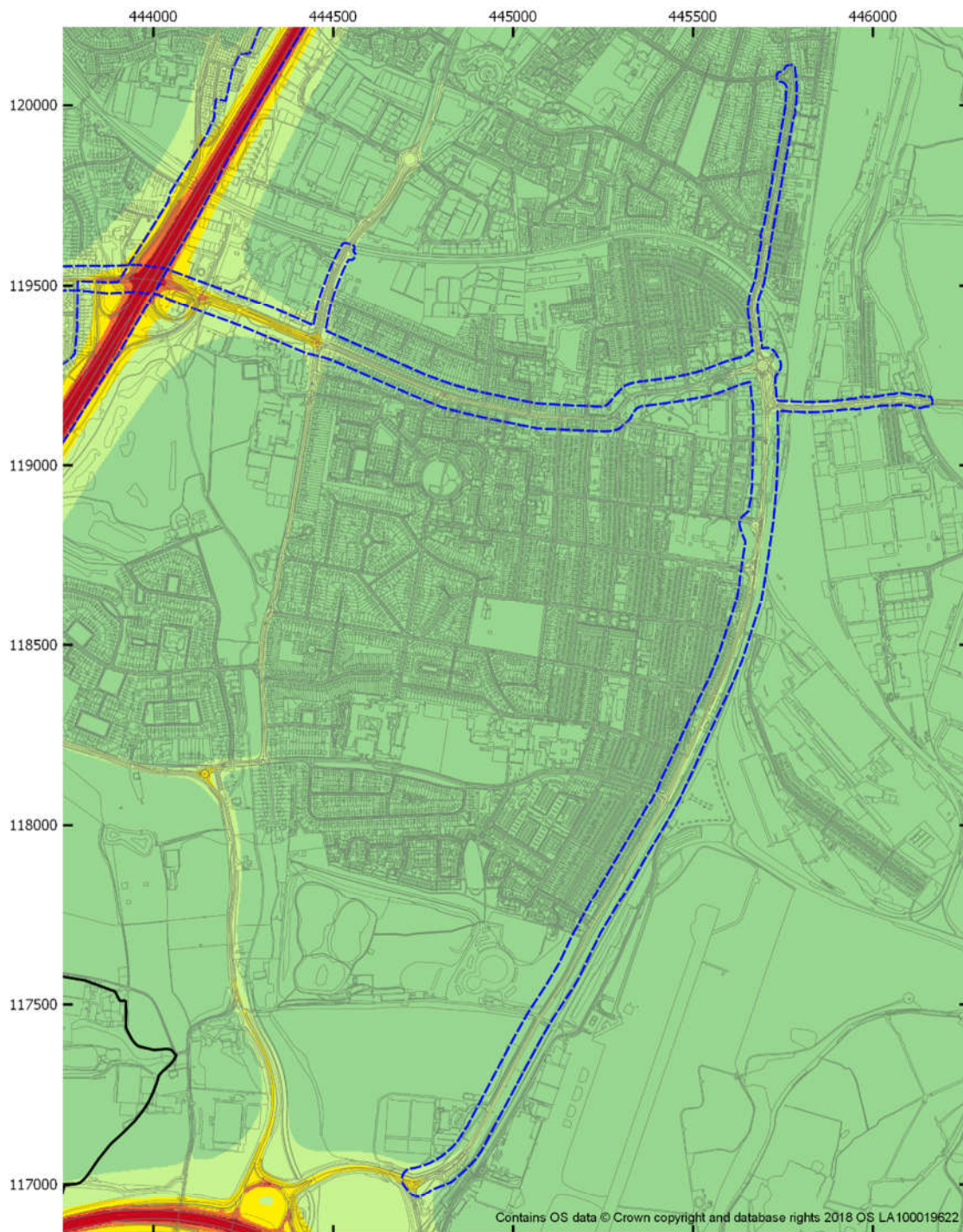
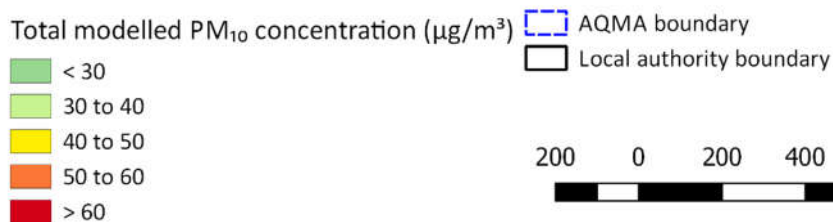
Figure 6-15 Short term PM₁₀ concentration model results for 2036 SGO D2 scenario AQMA No. 1 (A335 / Eastleigh) (East)**Legend**

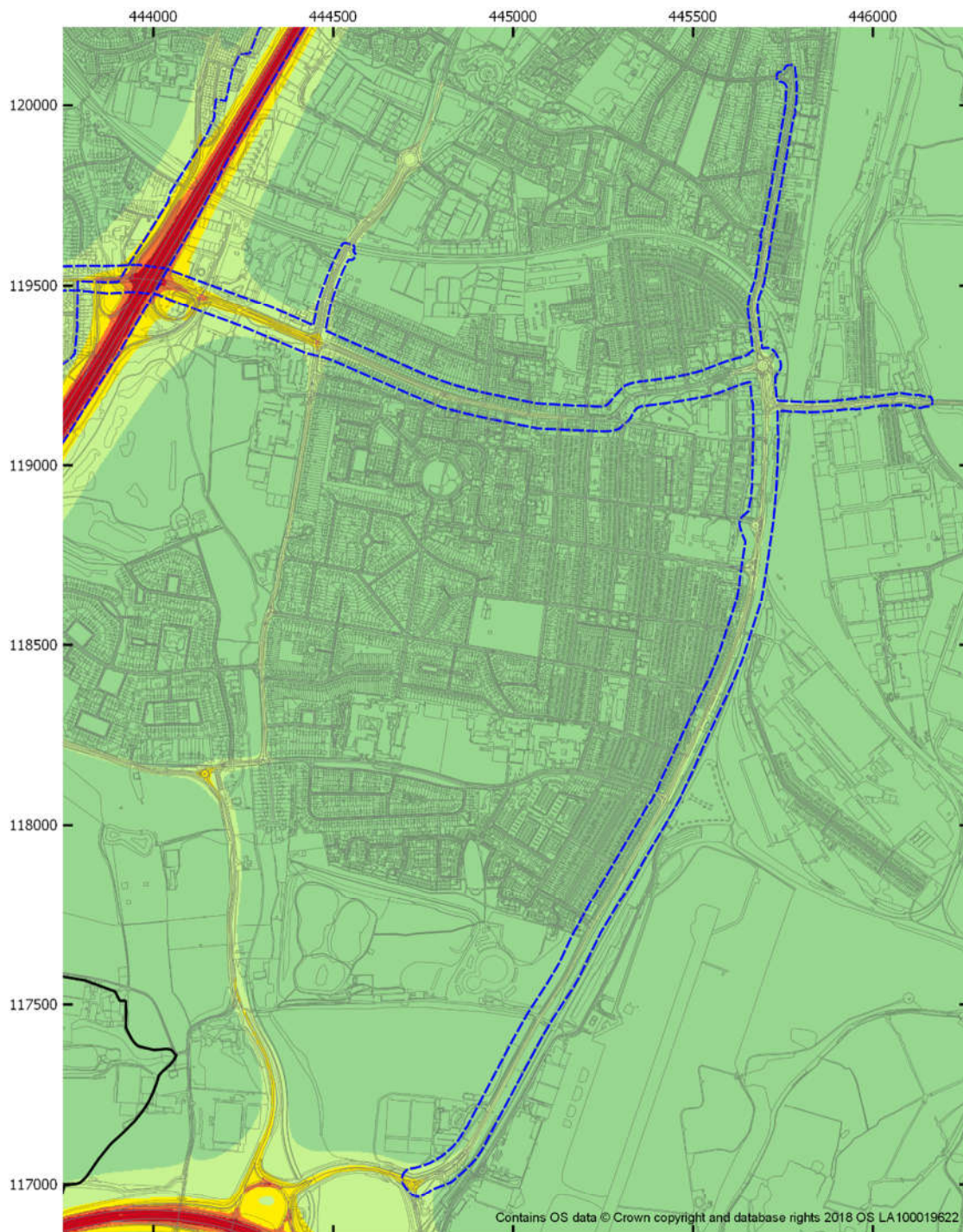
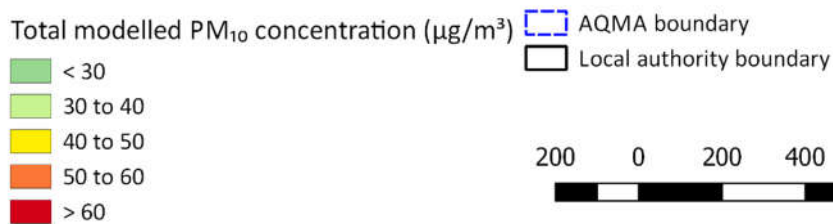
Figure 6-16 Short term PM₁₀ concentration model results for 2036 SGO E scenario AQMA No. 1 (A335 / Eastleigh) (East)**Legend**

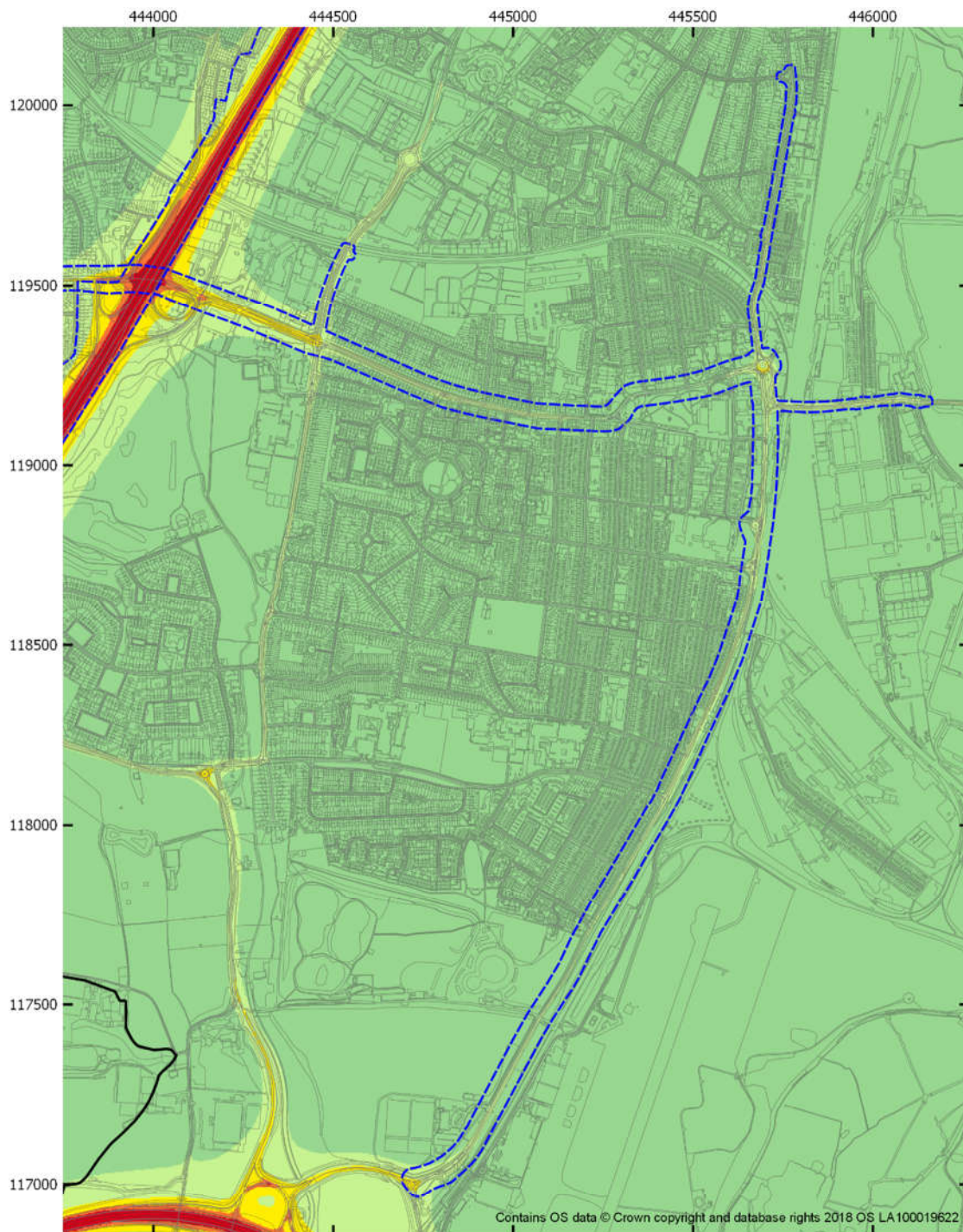
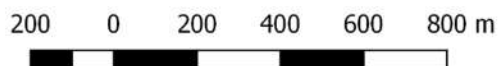
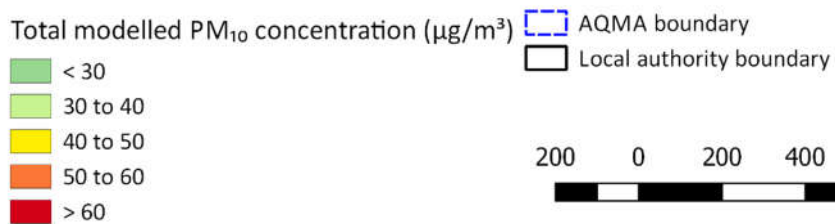
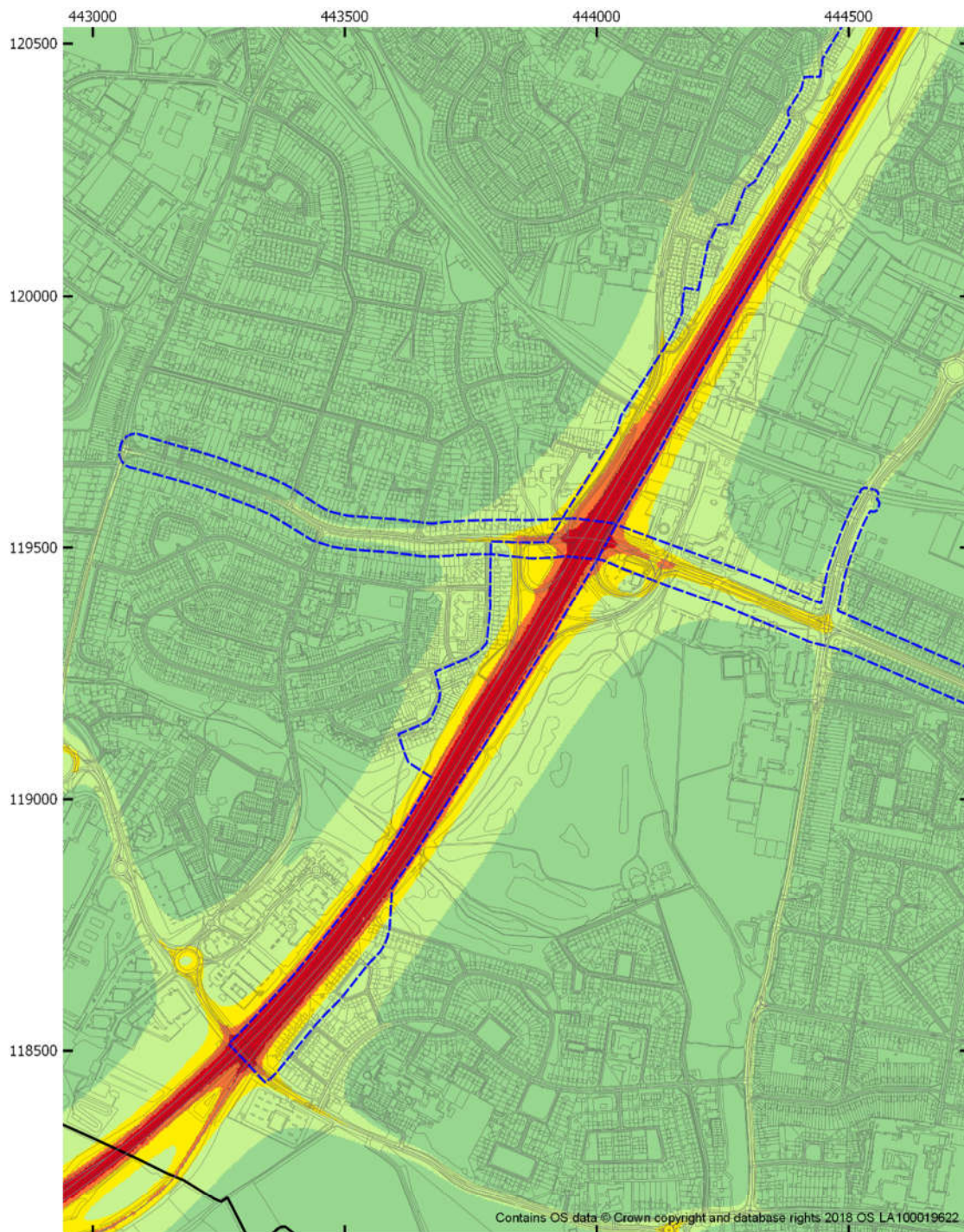
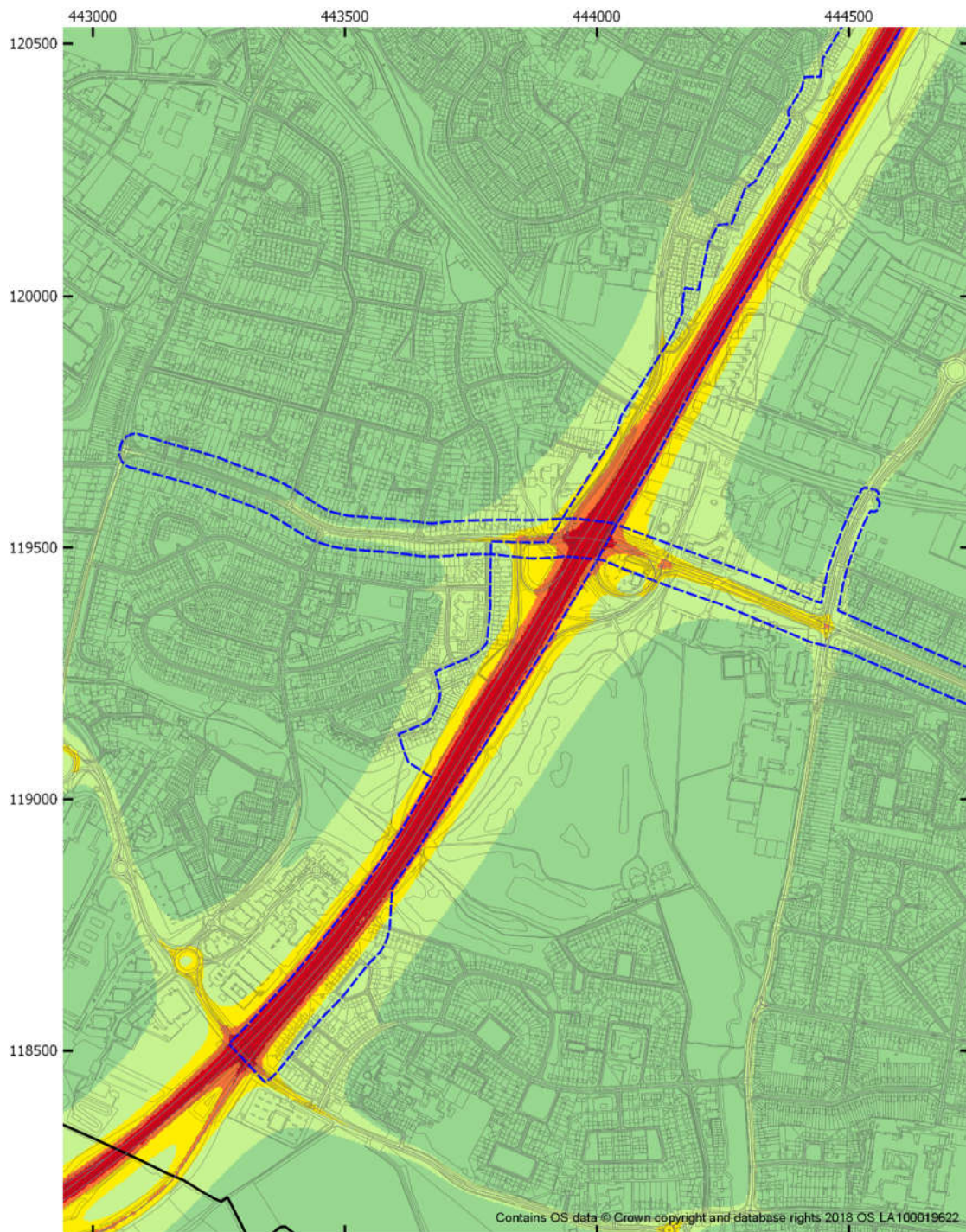
Figure 6-17 Short term PM₁₀ concentration model results for 2036 Baseline AQMA No. 1 (A335 / Eastleigh) (East)**Legend**

Figure 6-18 Short term PM₁₀ concentration model results for pseudo-2030 SGO C scenario AQMA No. 1 (A335 / Eastleigh) (West)**Legend**

Total modelled PM ₁₀ concentration (µg/m ³)		AQMA boundary	
	< 30		
	30 to 40		Local authority boundary
	40 to 50		
	50 to 60		
	> 60		

200 0 200 400 600 800 m

Figure 6-19 Short term PM₁₀ concentration model results for pseudo-2030 SGO D1 scenario AQMA No. 1 (A335 / Eastleigh) (West)



Legend

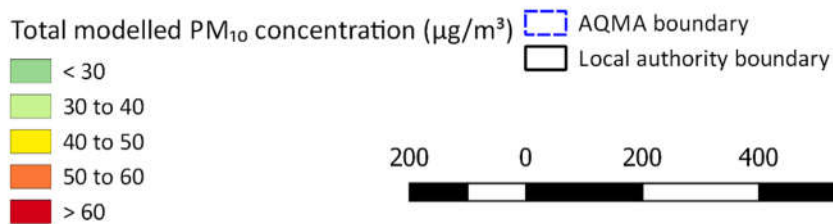
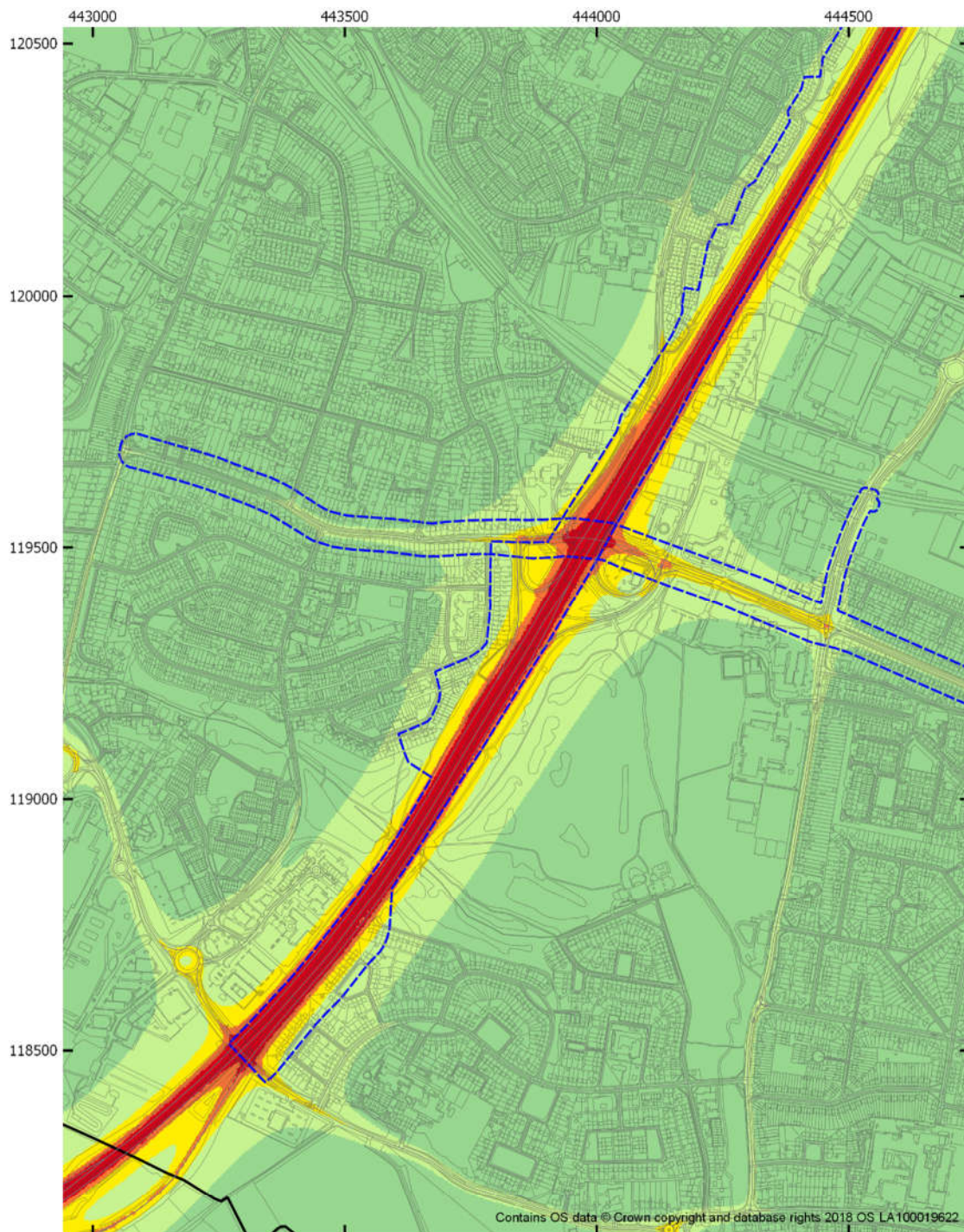


Figure 6-20 Short term PM₁₀ concentration model results for pseudo-2030 SGO D2 scenario AQMA No. 1 (A335 / Eastleigh) (West)



Legend

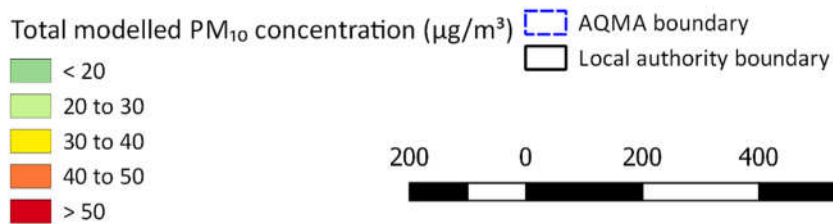


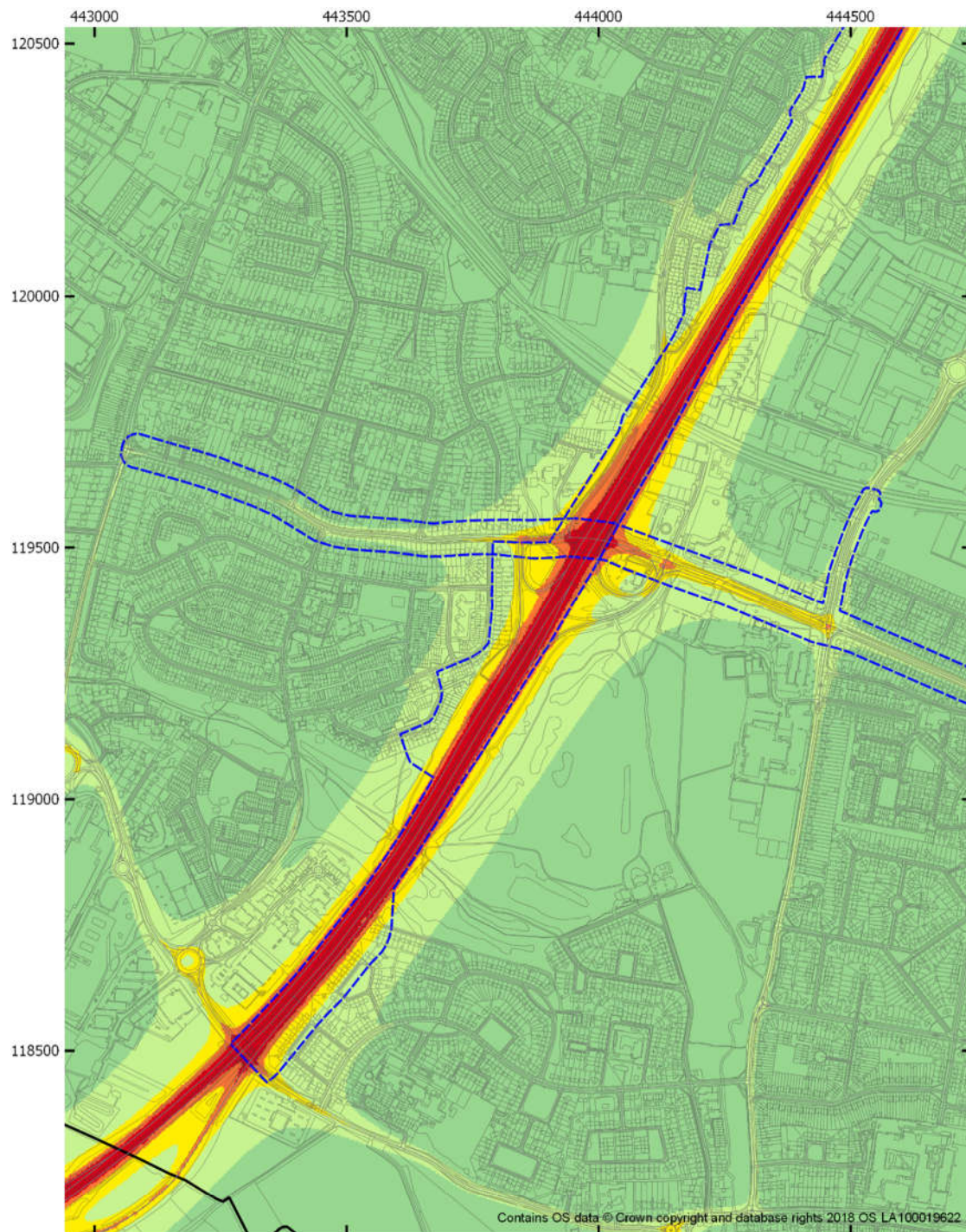
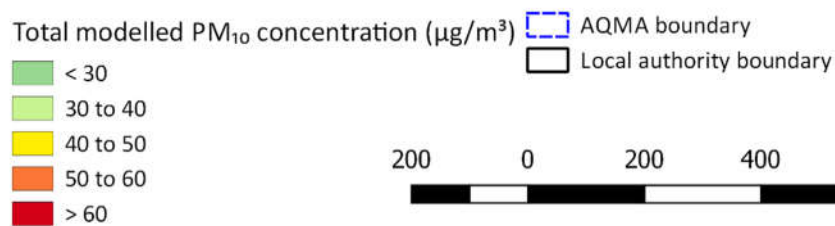
Figure 6-21 Short term PM₁₀ concentration model results for pseudo-2030 SGO E scenario AQMA No. 1 (A335 / Eastleigh) (West)**Legend**

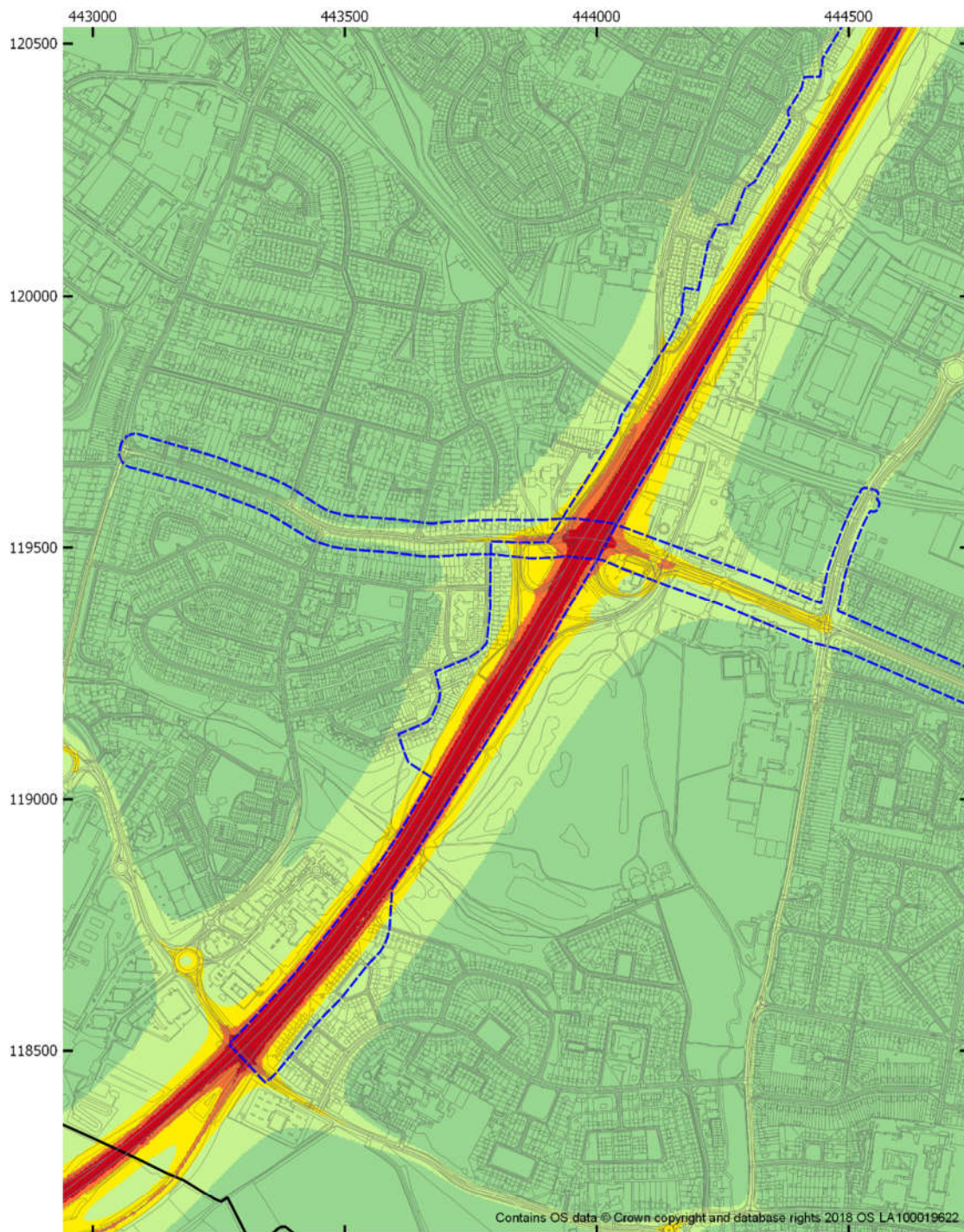
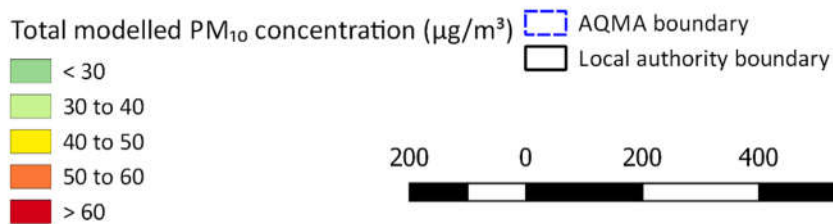
Figure 6-22 Short term PM₁₀ concentration model results for 2036 SGO C scenario AQMA No. 1 (A335 / Eastleigh) (West)**Legend**

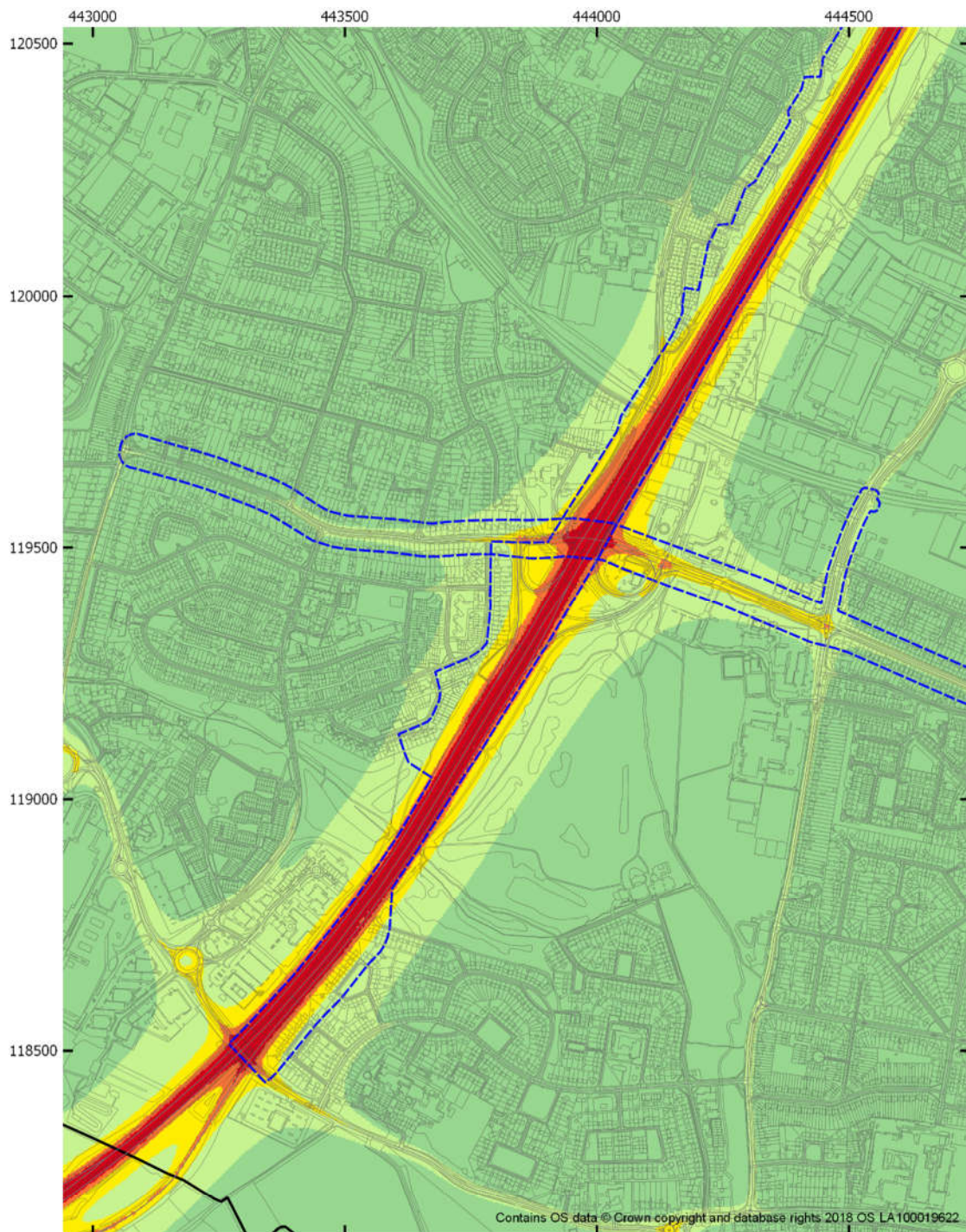
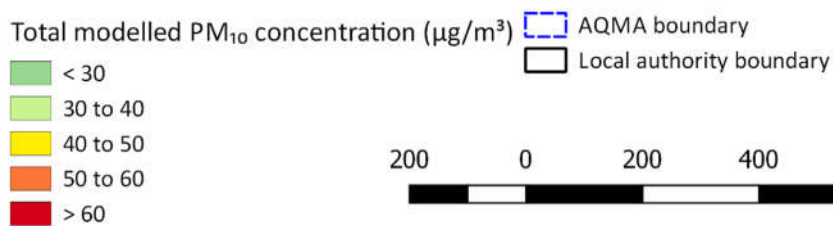
Figure 6-23 Short term PM₁₀ concentration model results for 2036 SGO D1 scenario AQMA No. 1 (A335 / Eastleigh) (West)**Legend**

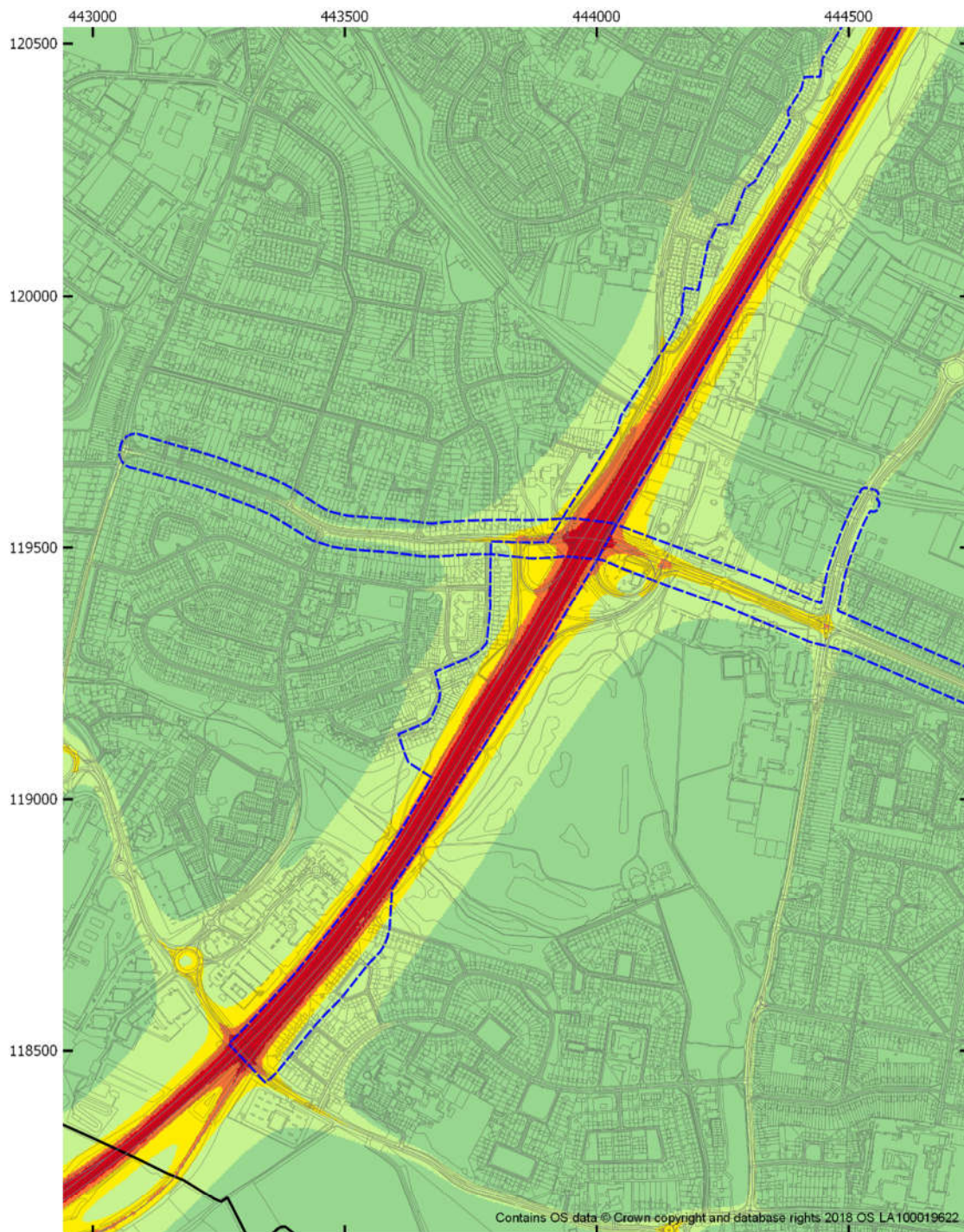
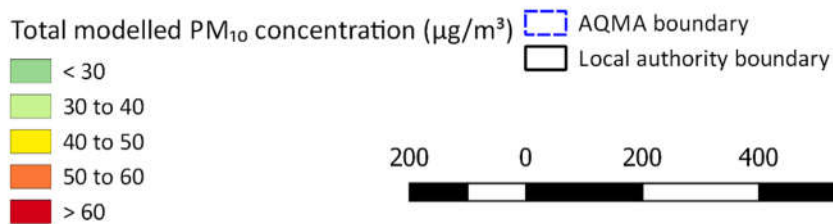
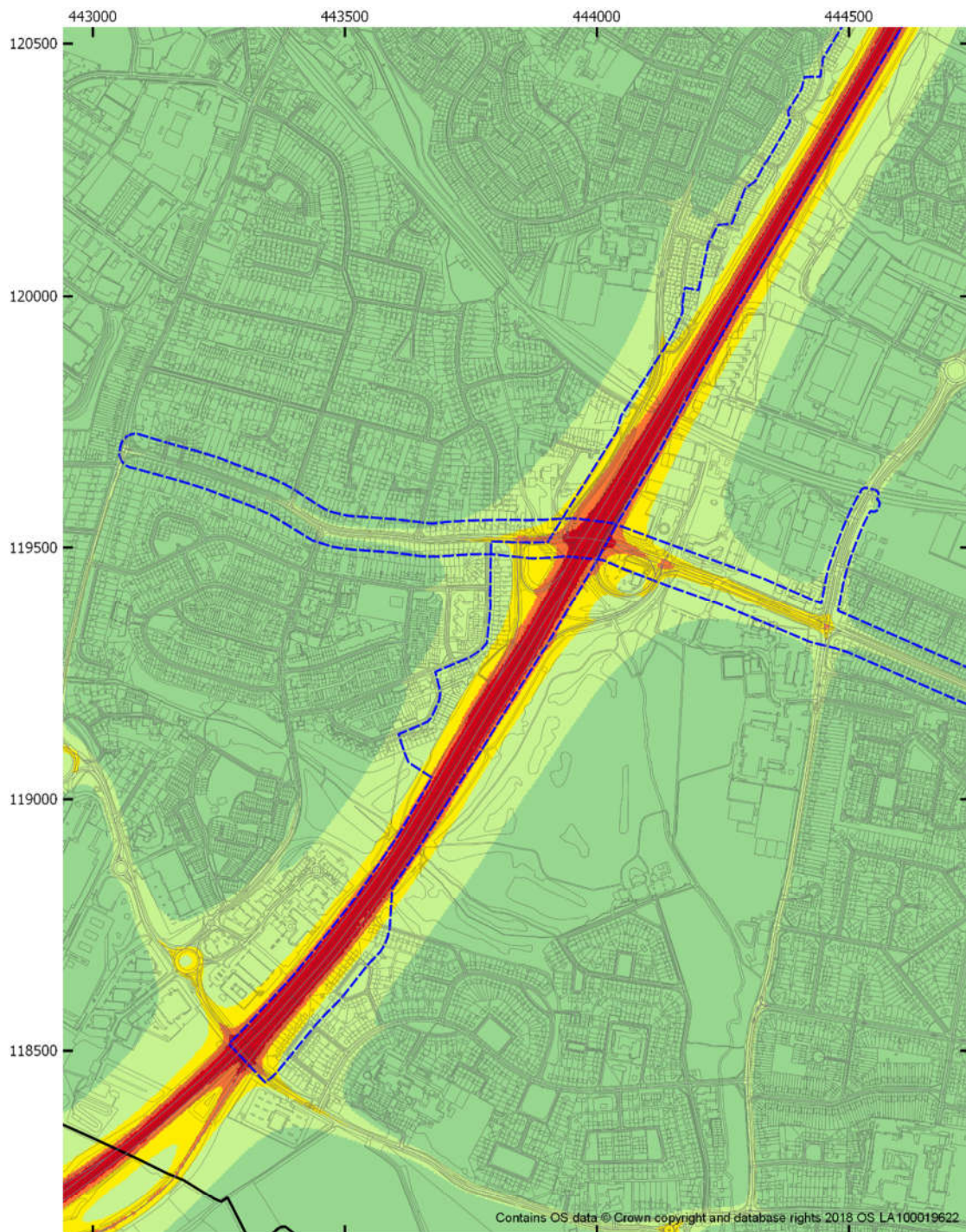







Figure 6-24 Short term PM₁₀ concentration model results for 2036 SGO D2 scenario AQMA No. 1 (A335 / Eastleigh) (West)**Legend**

Figure 6-25 Short term PM₁₀ concentration model results for 2036 SGO E scenario AQMA No. 1 (A335 / Eastleigh) (West)**Legend**

Total modelled PM ₁₀ concentration (µg/m ³)		AQMA boundary	
	< 30		AQMA boundary
	30 to 40		Local authority boundary
	40 to 50		
	50 to 60		
	> 60		

200 0 200 400 600 800 m

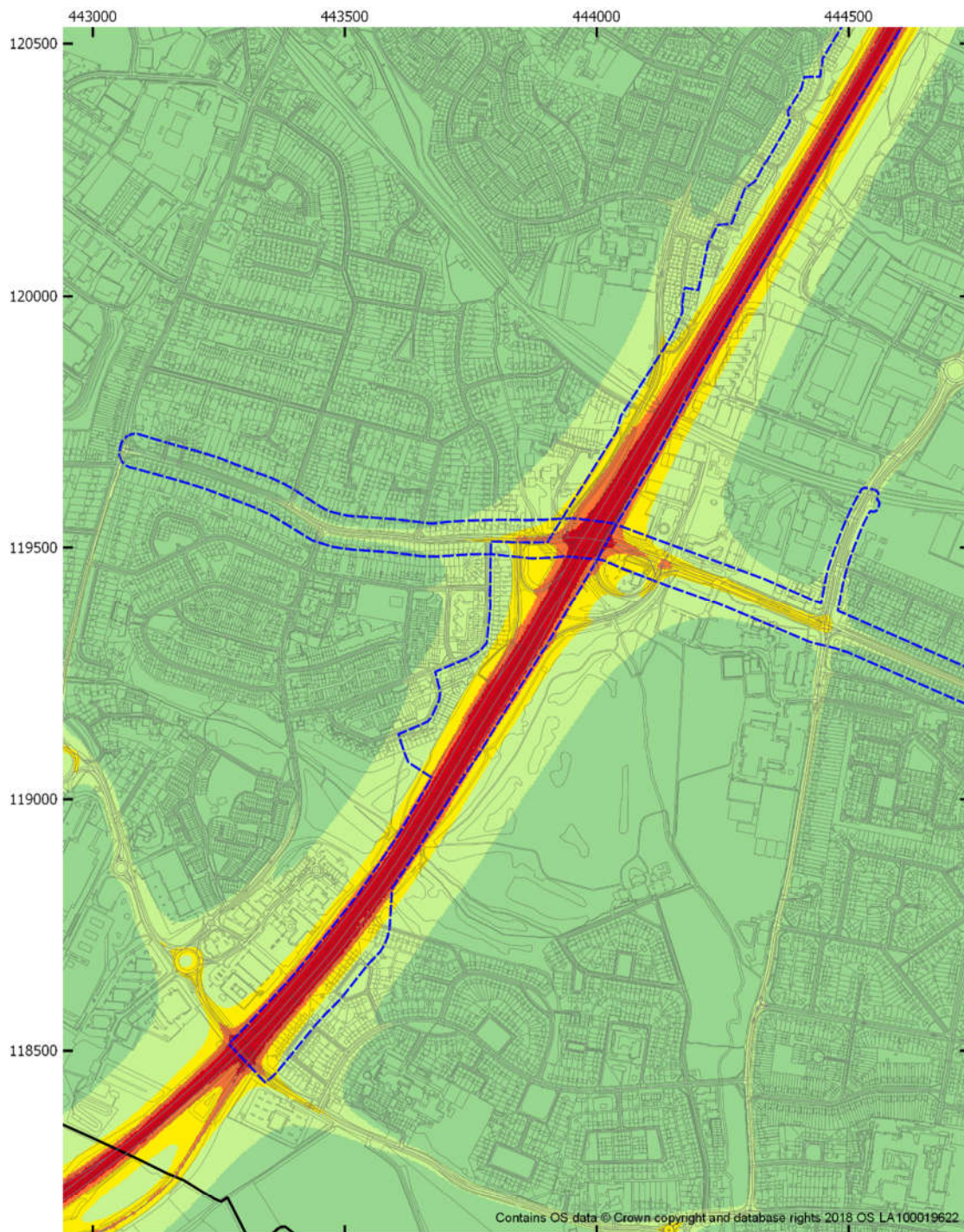
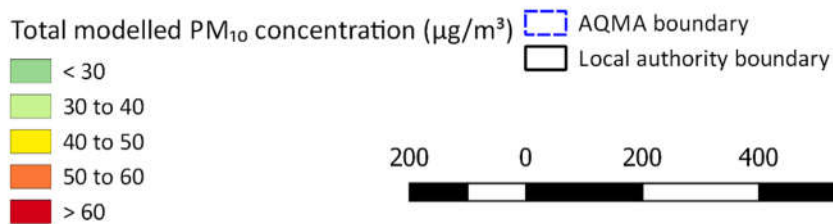
Figure 6-26 Short term PM₁₀ concentration model results for 2036 Baseline AQMA No. 1 (A335 / Eastleigh) (West)**Legend**

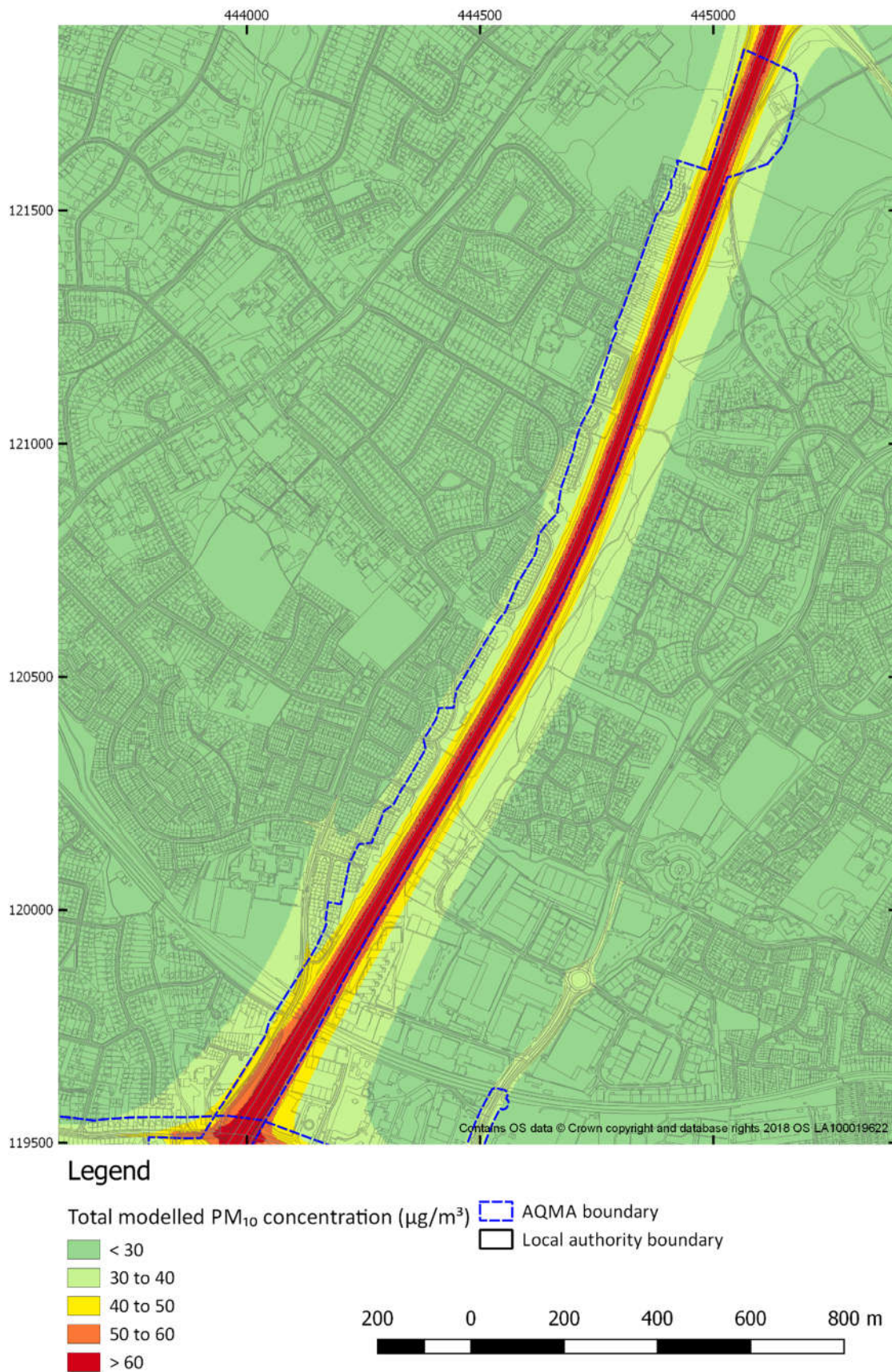
Figure 6-27 Short term PM₁₀ concentration model results for pseudo-2030 SGO C scenario AQMA No. 2 (M3) (North)

Figure 6-28 Short term PM₁₀ concentration model results for pseudo-2030 SGO D1 scenario AQMA No. 2 (M3) (North)

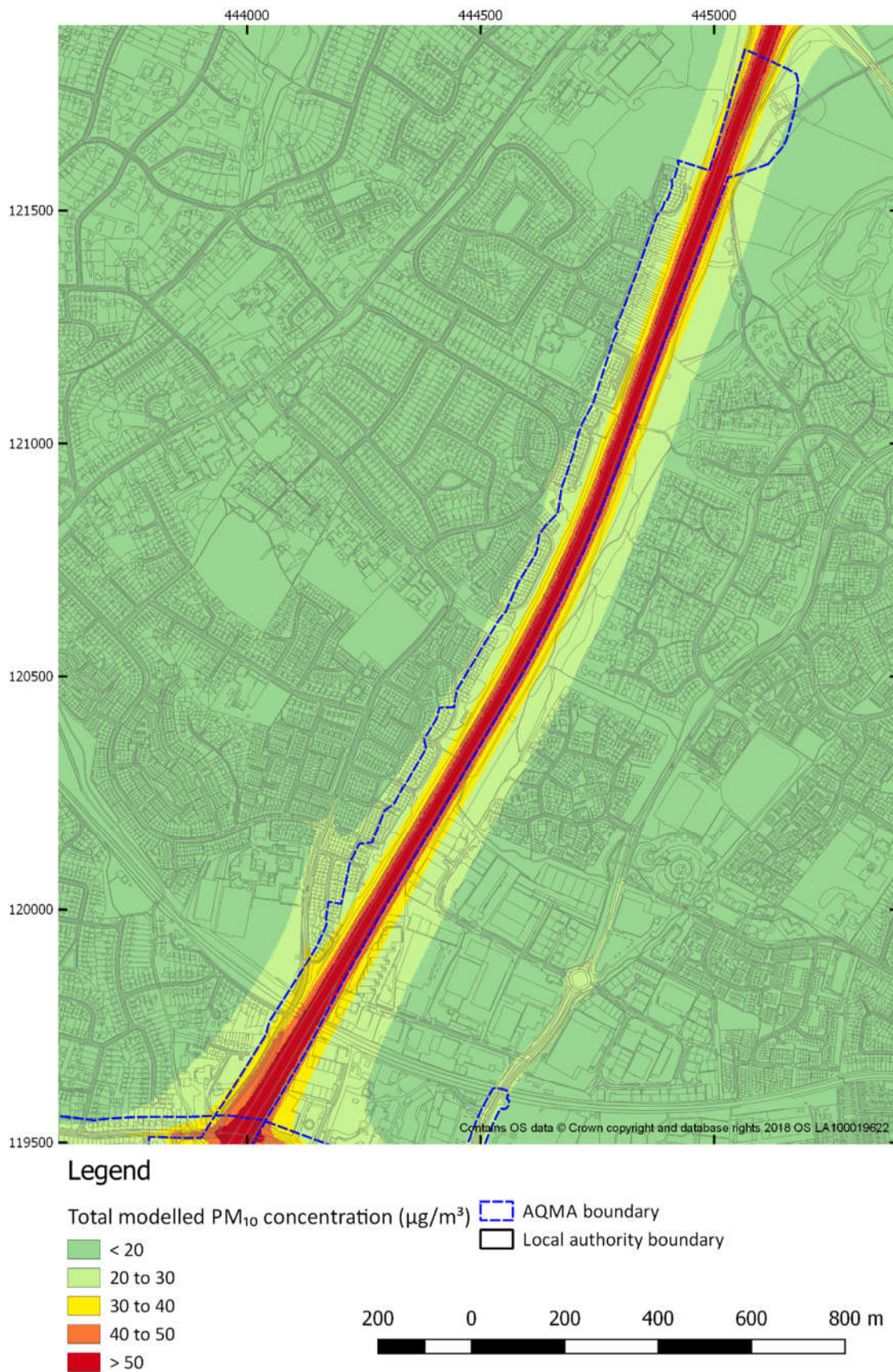
Figure 6-29 Short term PM₁₀ concentration model results for pseudo-2030 SGO D2 scenario AQMA No. 2 (M3) (North)

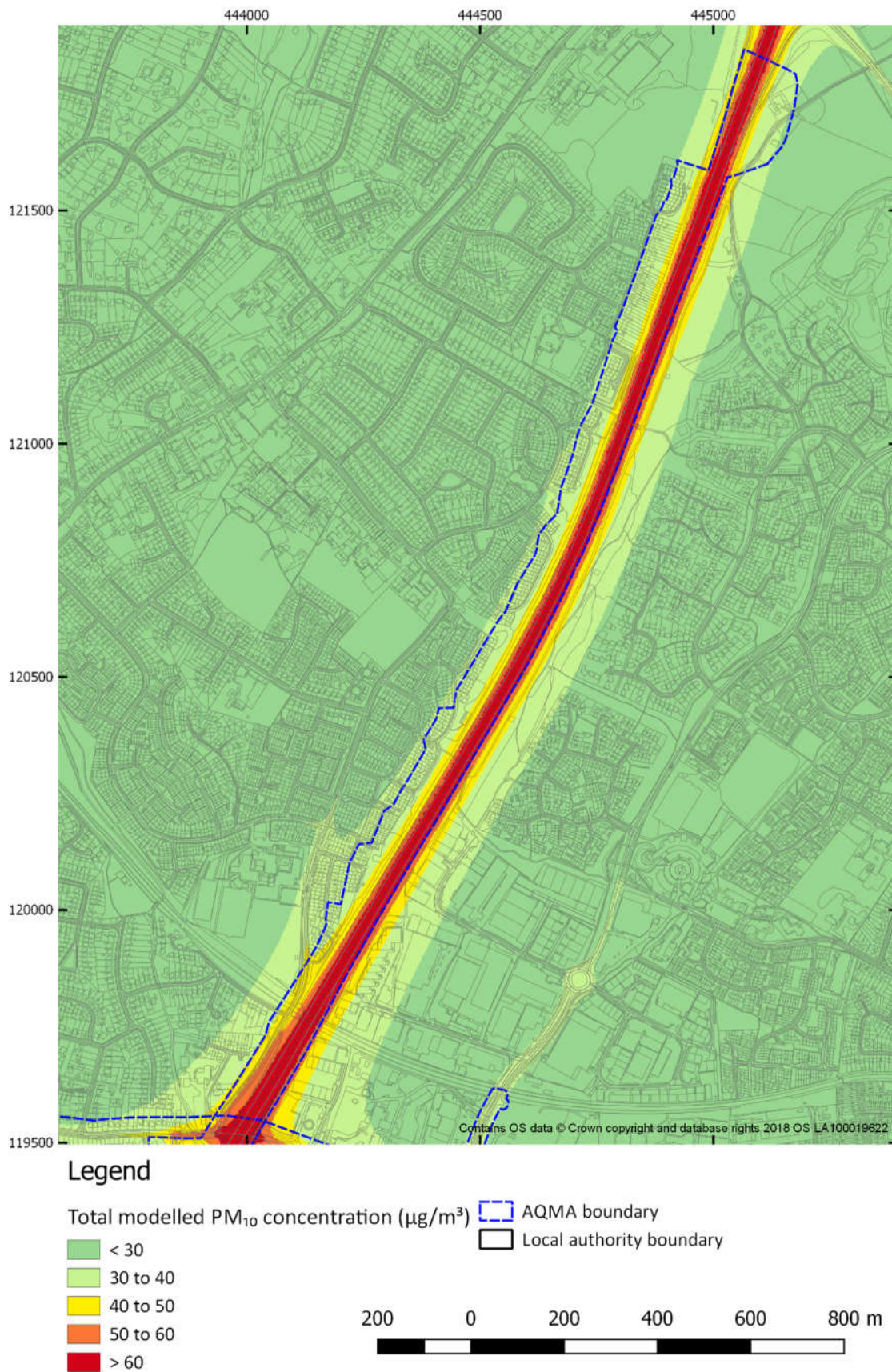
Figure 6-30 Short term PM₁₀ concentration model results for pseudo-2030 SGO E scenario AQMA No. 2 (M3) (North)

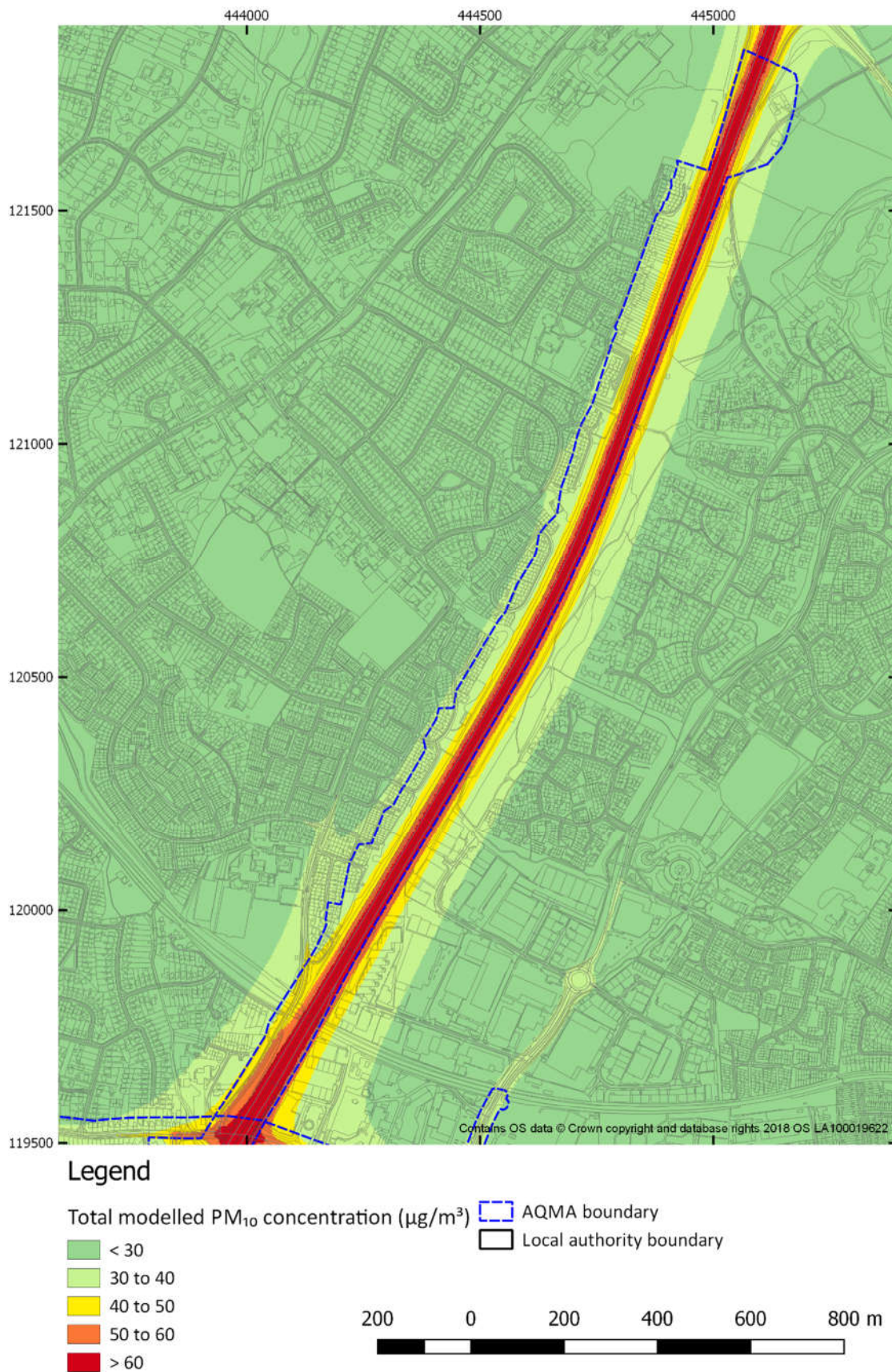
Figure 6-31 Short term PM₁₀ concentration model results for 2036 SGO C scenario AQMA No. 2 (M3) (North)

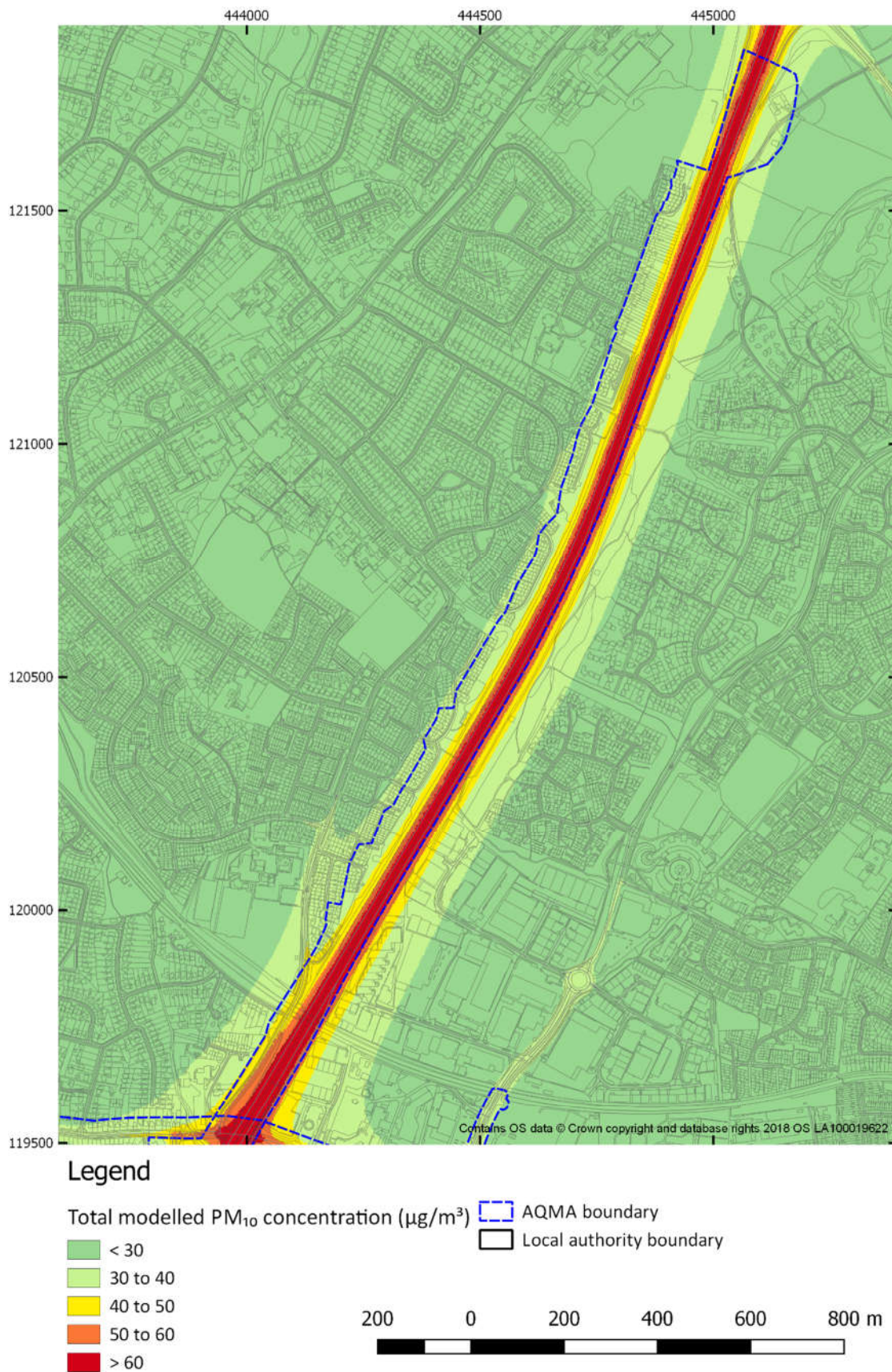
Figure 6-32 Short term PM₁₀ concentration model results for 2036 SGO D1 scenario AQMA No. 2 (M3) (North)

Figure 6-33 Short term PM₁₀ concentration model results for 2036 SGO D2 scenario AQMA No. 2 (M3) (North)

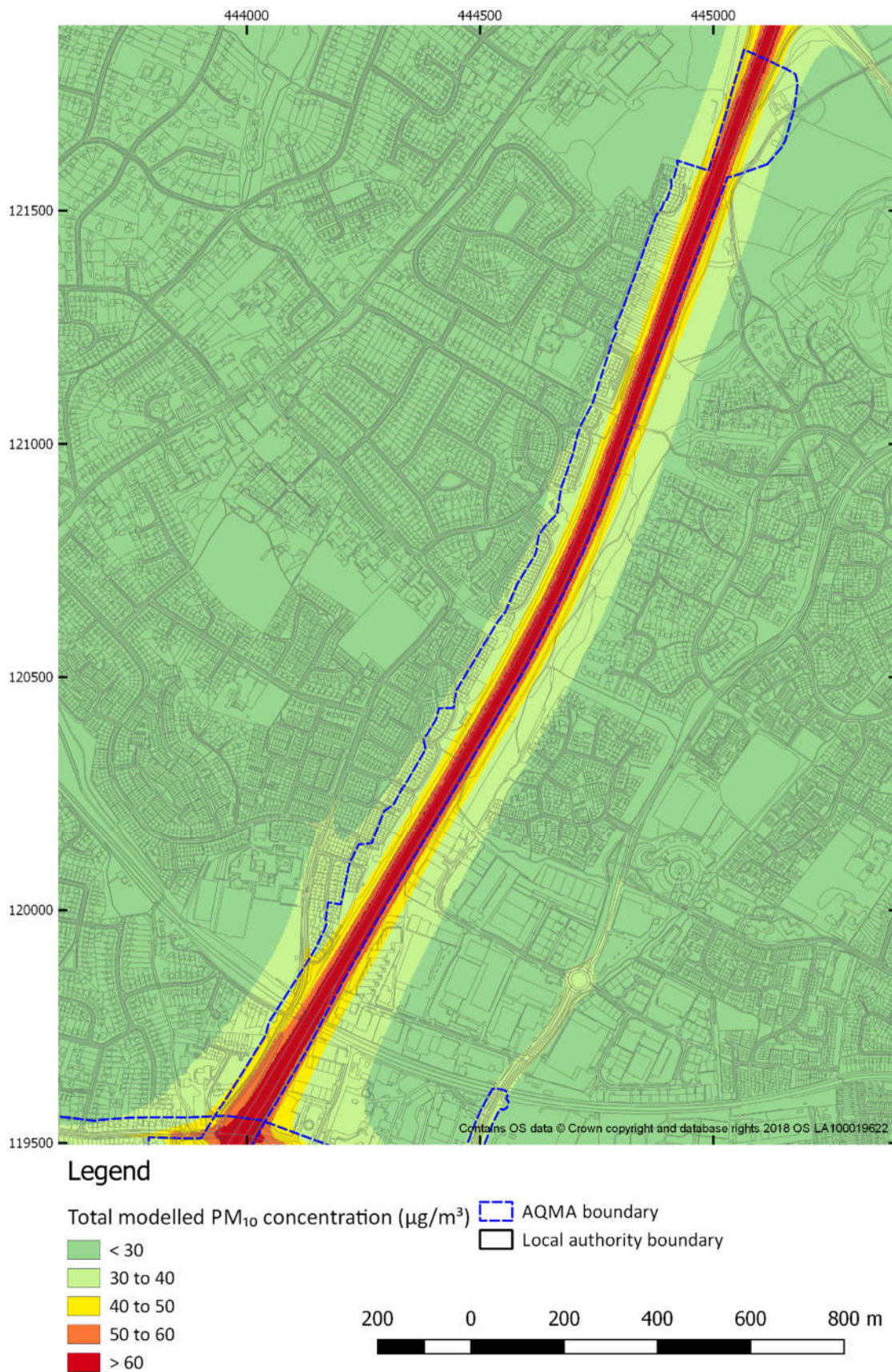
Figure 6-34 Short term PM₁₀ concentration model results for 2036 SGO E scenario AQMA No. 2 (M3) (North)

Figure 6-35 Short term PM₁₀ concentration model results for 2036 Baseline AQMA No. 2 (M3) (North)

6.3 AQMA 3

Figure 6-36 Short term PM₁₀ concentration model results for pseudo-2030 SGO C scenario AQMA No. 3 (Hamble Lane)

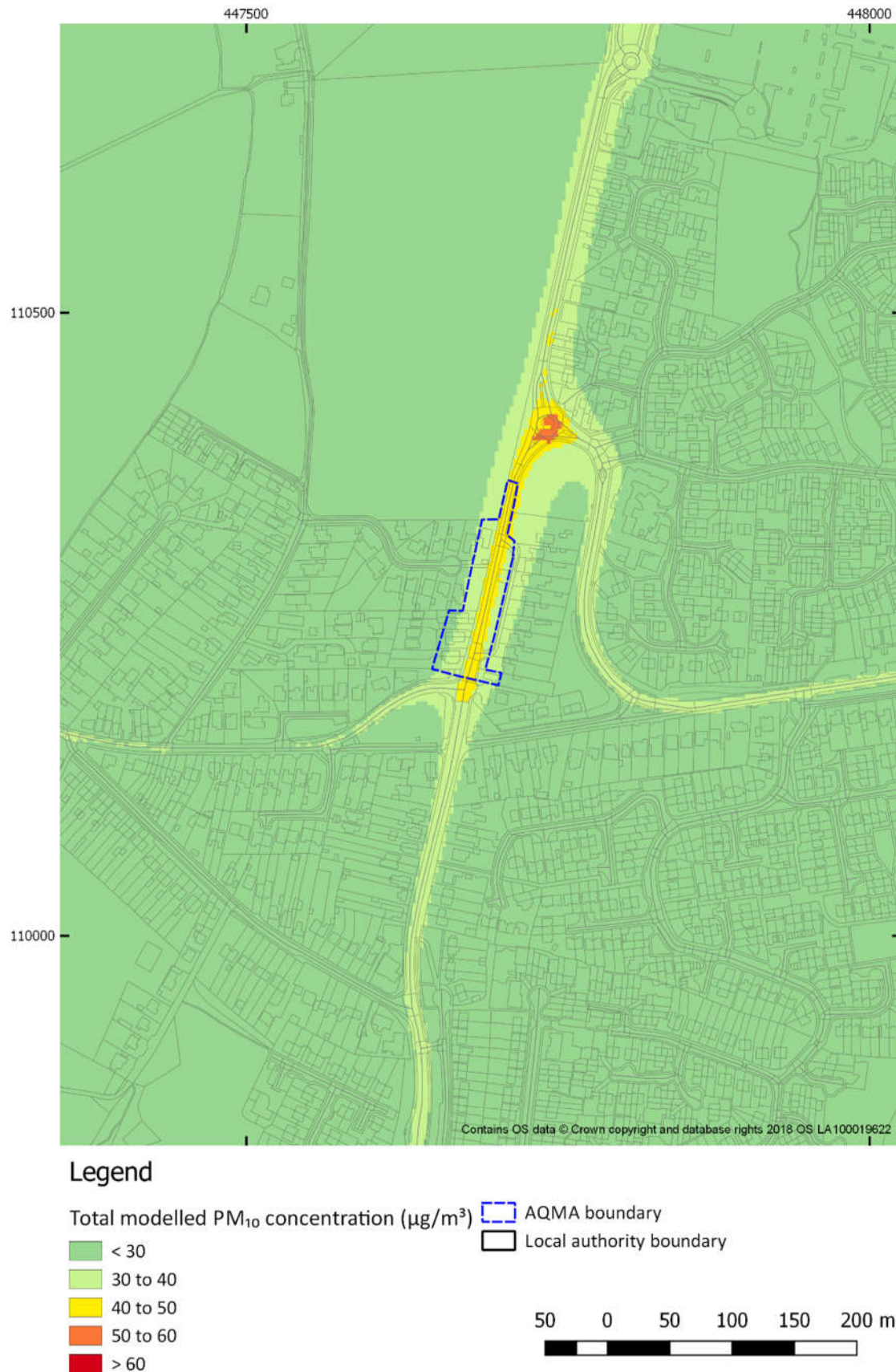
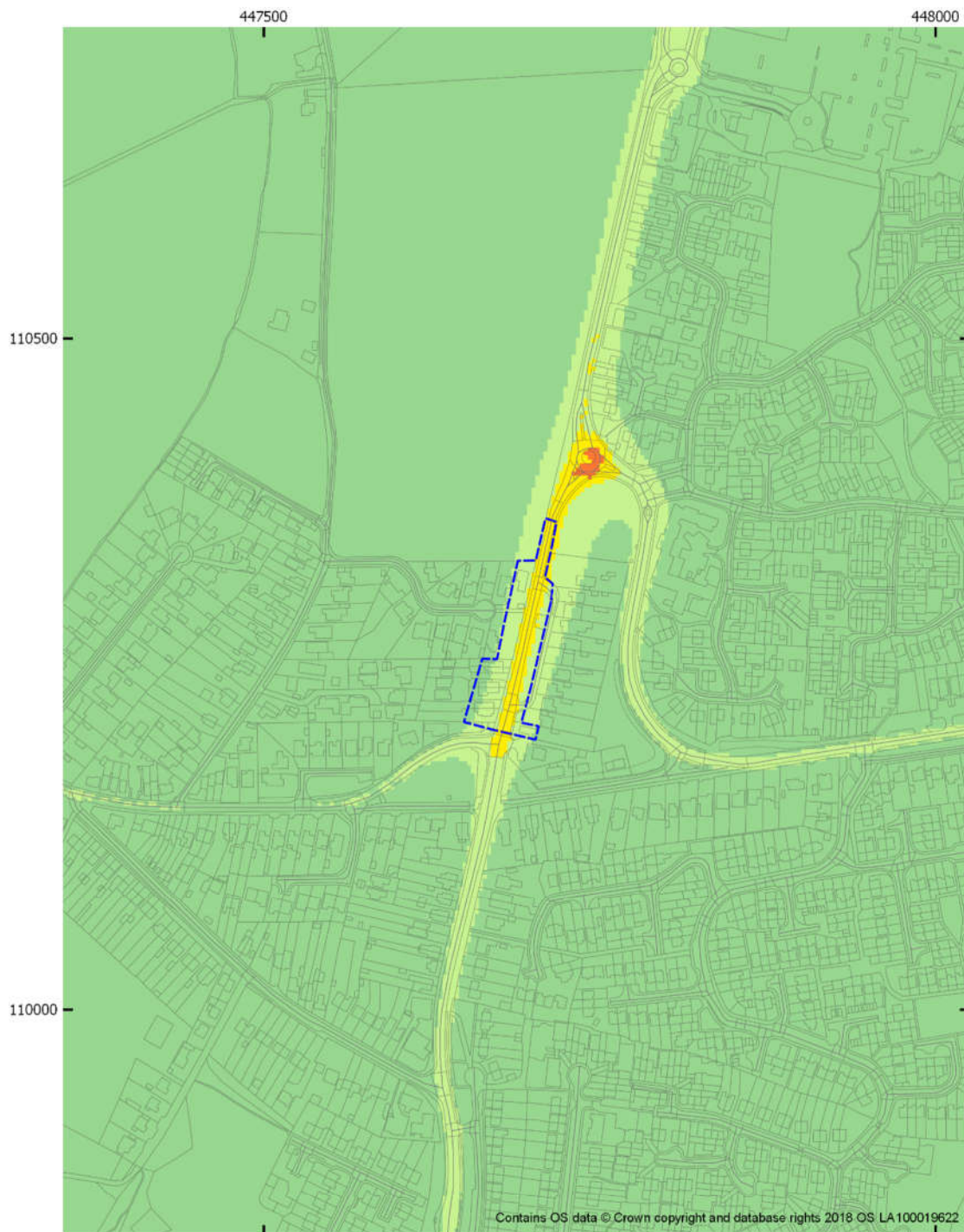


Figure 6-37 Short term PM₁₀ concentration model results for pseudo-2030 SGO D1 scenario AQMA No. 3 (Hamble Lane)

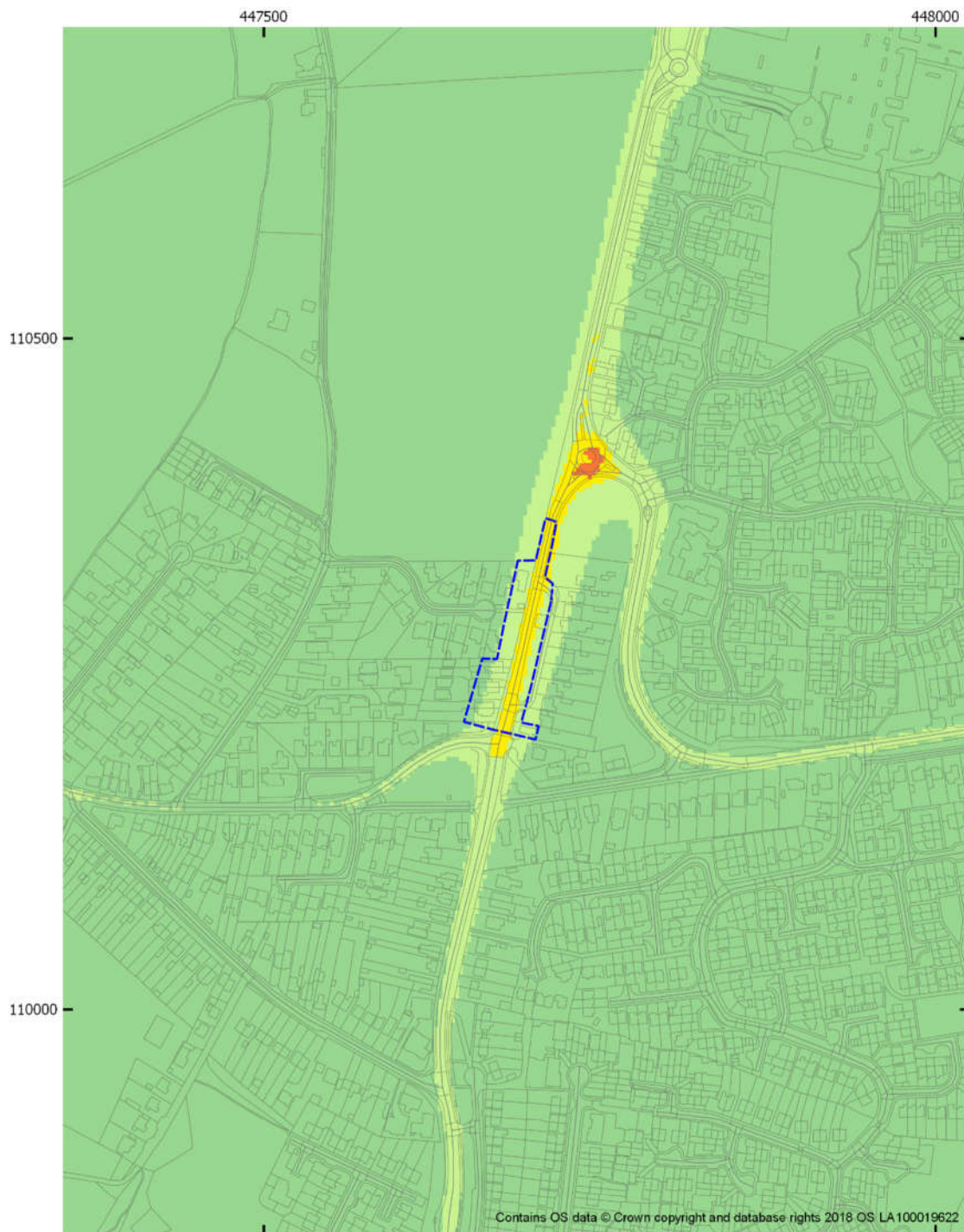


Legend

Total modelled PM ₁₀ concentration (µg/m ³)	AQMA boundary	Local authority boundary
< 30		
30 to 40		
40 to 50		
50 to 60		
> 60		

50 0 50 100 150 200 m

Figure 6-38 Short term PM₁₀ concentration model results for pseudo-2030 SGO D2 scenario AQMA No. 3 (Hamble Lane)



Legend

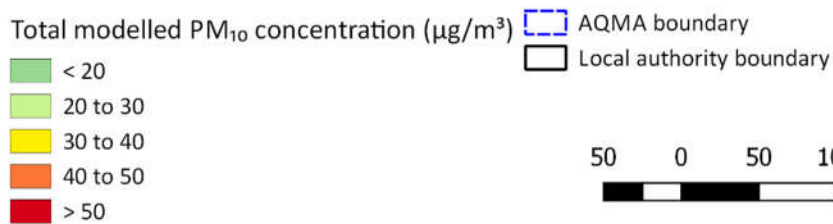


Figure 6-39 Short term PM₁₀ concentration model results for pseudo-2030 SGO E scenario AQMA No. 3 (Hamble Lane)



Legend

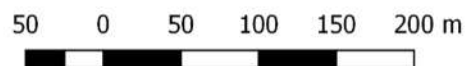
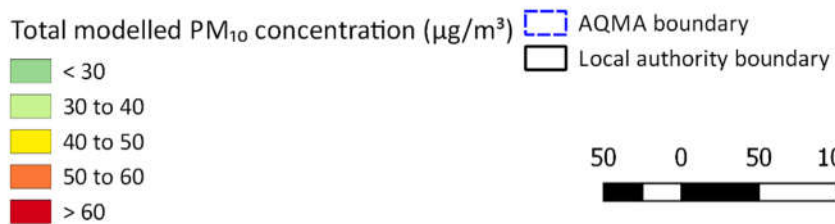
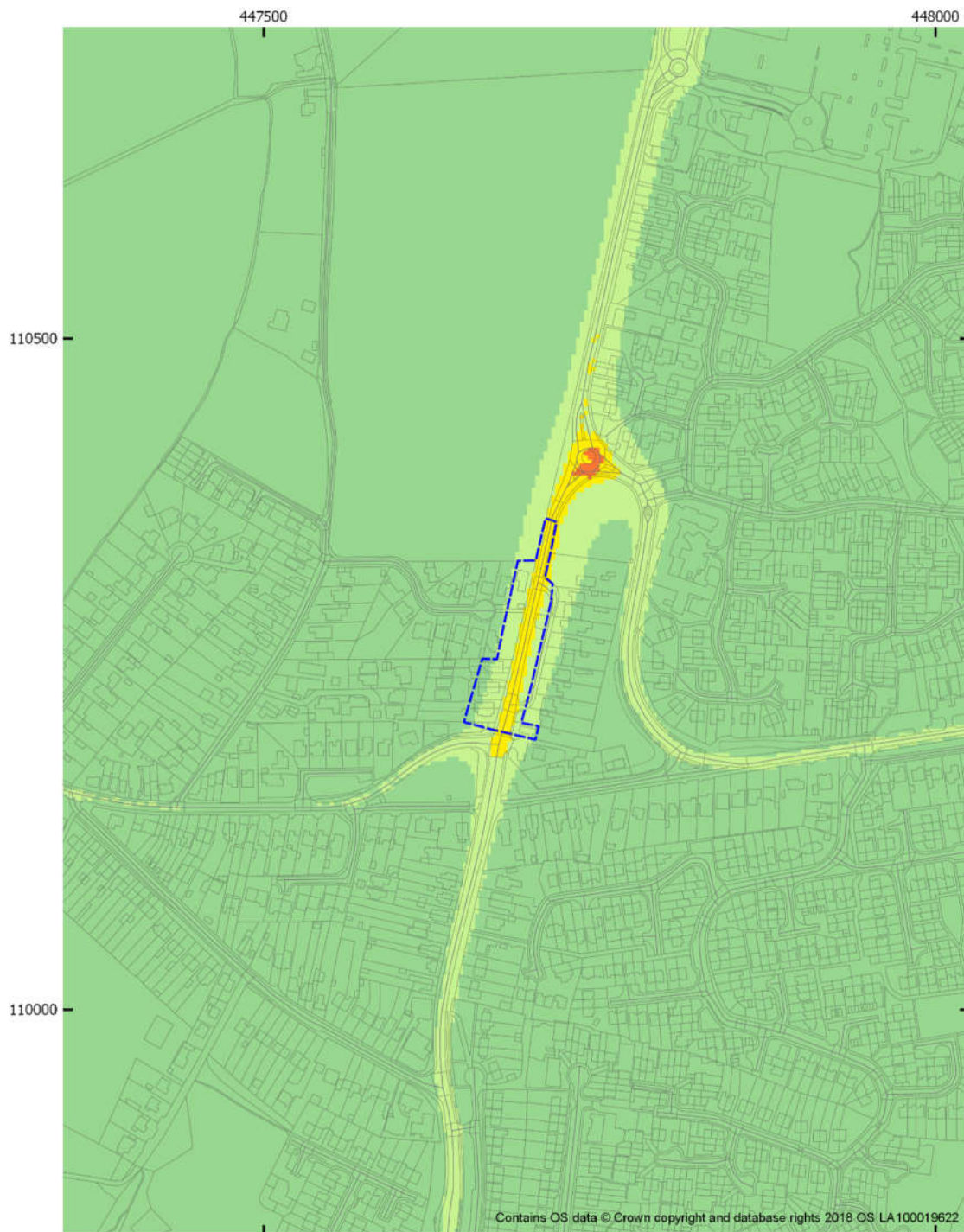
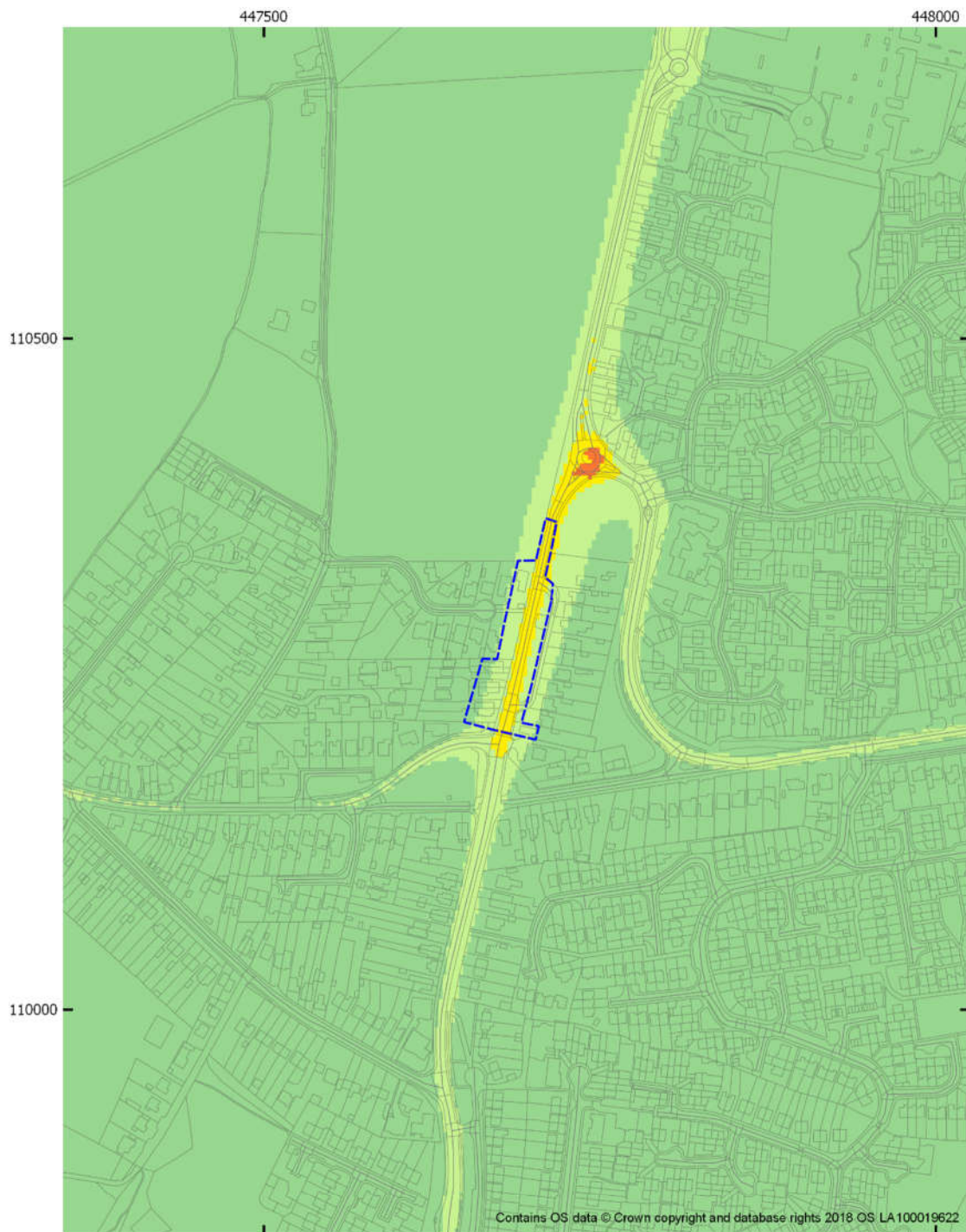


Figure 6-40 Short term PM₁₀ concentration model results for 2036 SGO C scenario AQMA No. 3 (Hamble Lane)**Legend**

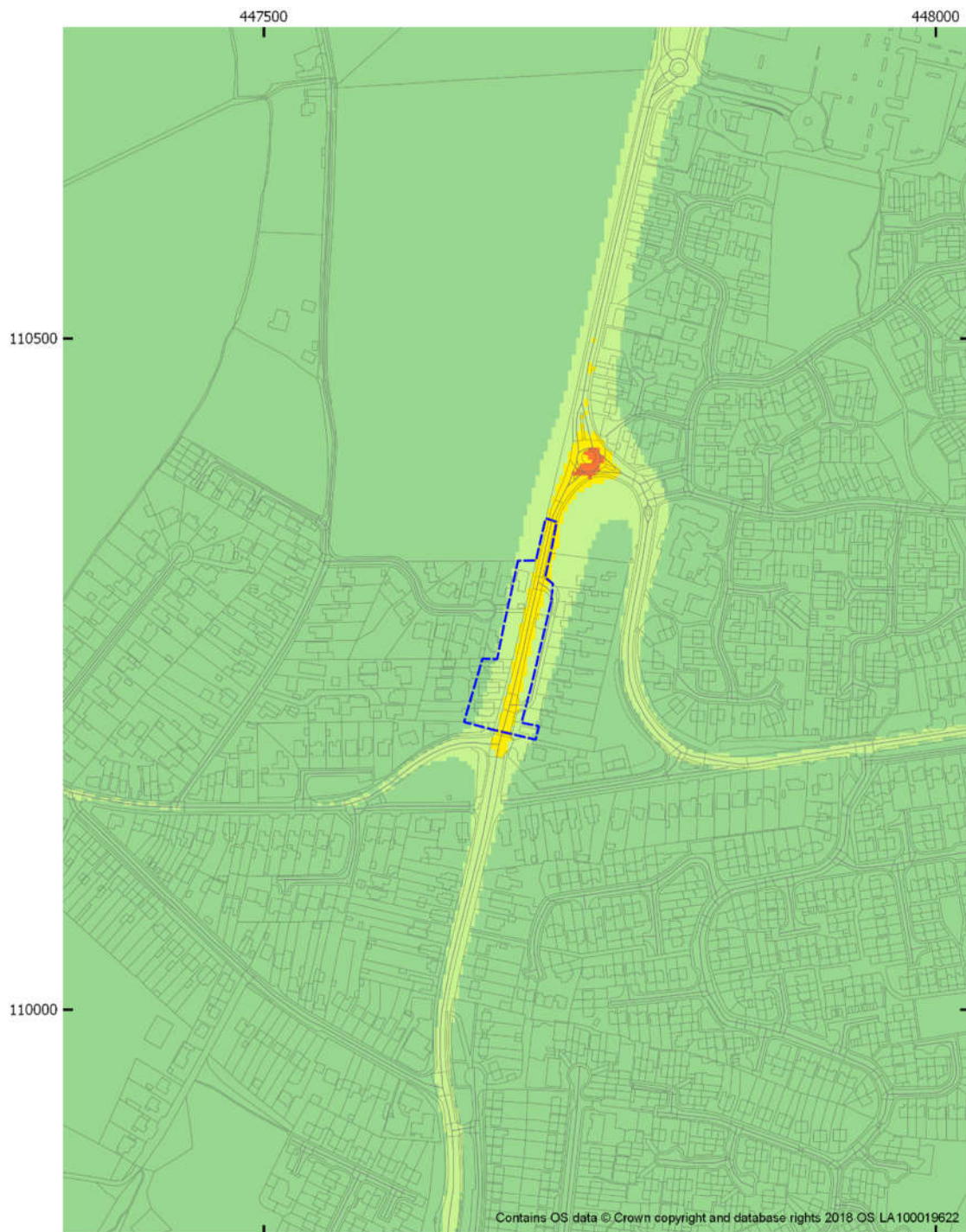
Total modelled PM ₁₀ concentration (µg/m ³)	AQMA boundary	Local authority boundary
< 30		
30 to 40		
40 to 50		
50 to 60		
> 60		

50 0 50 100 150 200 m

Figure 6-41 Short term PM₁₀ concentration model results for 2036 SGO D1 scenario AQMA No. 3 (Hamble Lane)**Legend**

Total modelled PM ₁₀ concentration (µg/m ³)	AQMA boundary
< 30	Local authority boundary
30 to 40	
40 to 50	
50 to 60	
> 60	

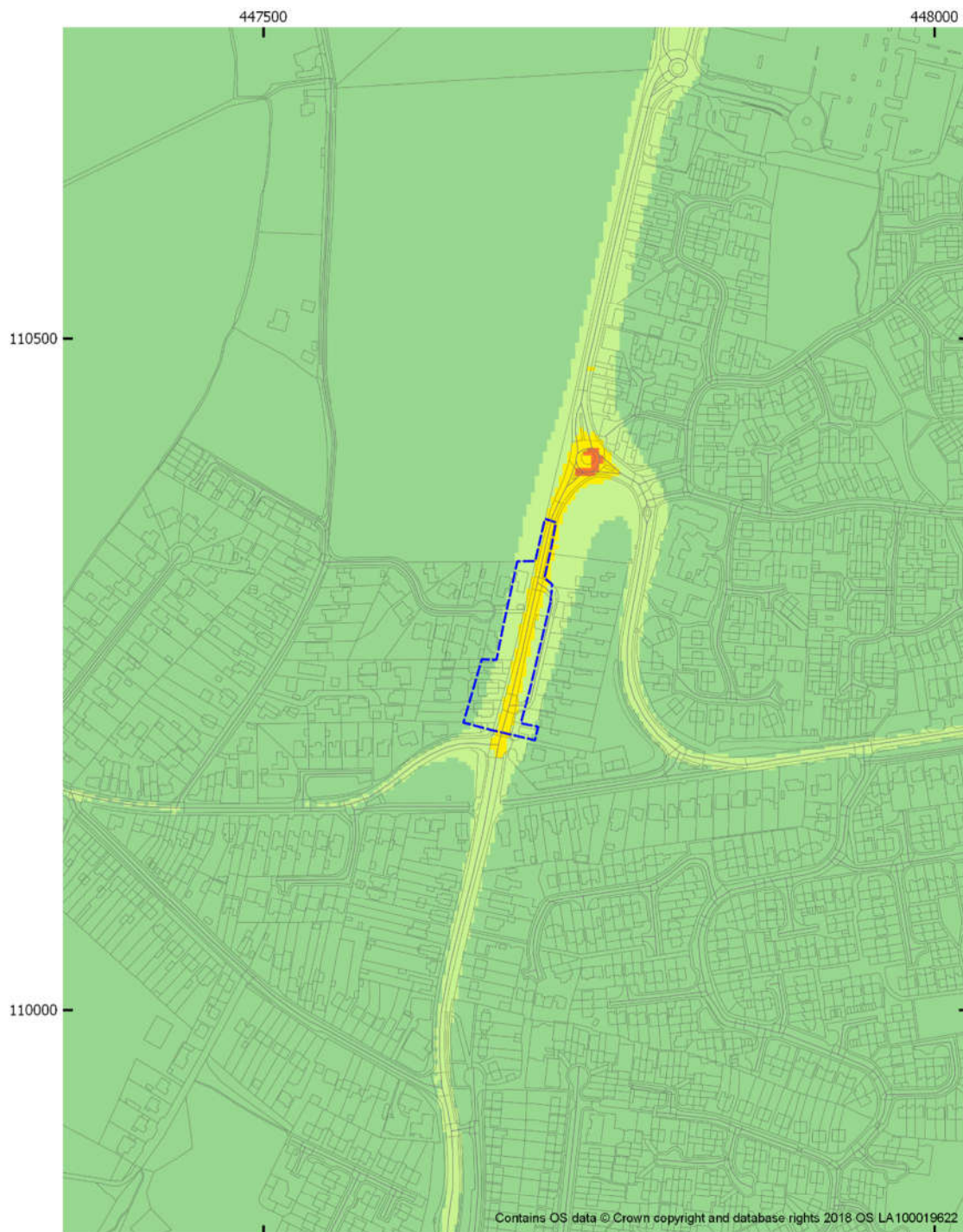
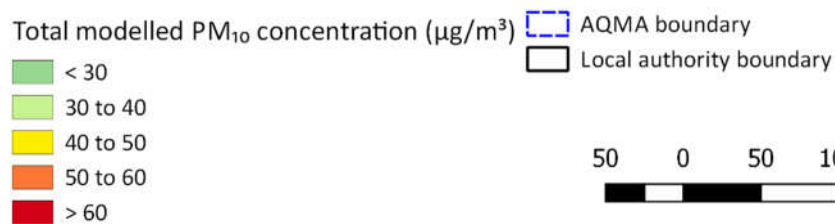
50 0 50 100 150 200 m

Figure 6-42 Short term PM₁₀ concentration model results for 2036 SGO D2 scenario AQMA No. 3 (Hamble Lane)**Legend**

Total modelled PM ₁₀ concentration (µg/m ³)	AQMA boundary
< 30	Local authority boundary
30 to 40	
40 to 50	
50 to 60	
> 60	

50 0 50 100 150 200 m

Figure 6-43 Short term PM₁₀ concentration model results for 2036 SGO E scenario AQMA No. 3 (Hamble Lane)

Figure 6-44 Short term PM₁₀ concentration model results for 2036 Baseline AQMA No. 3 (Hamble Lane)**Legend**

6.4 AQMA 4

Figure 6-45 Short term PM₁₀ concentration model results for pseudo-2030 SGO C scenario AQMA No. 4 (High Street Botley)

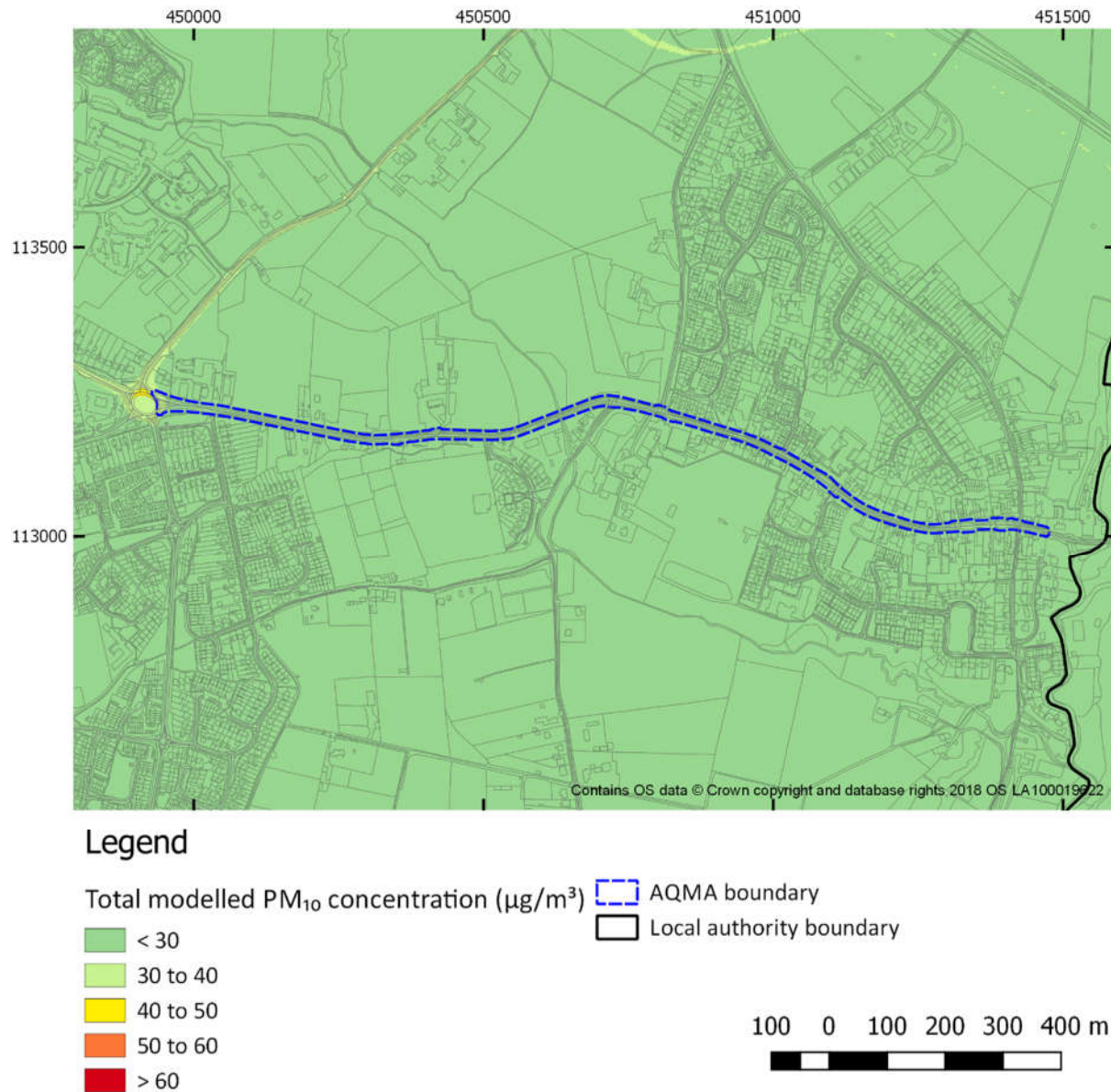
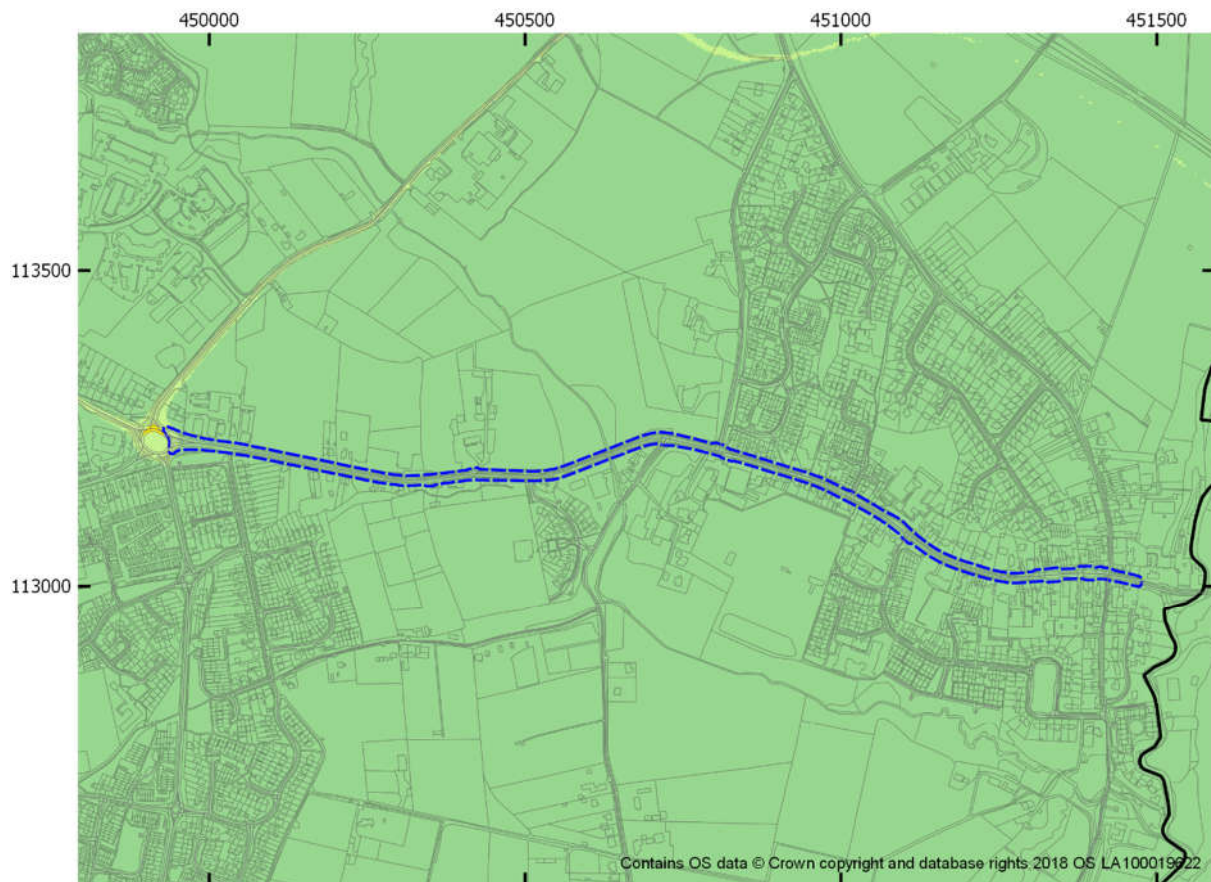


Figure 6-46 Short term PM₁₀ concentration model results for pseudo-2030 SGO D1 scenario AQMA No. 4 (High Street Botley)



Legend

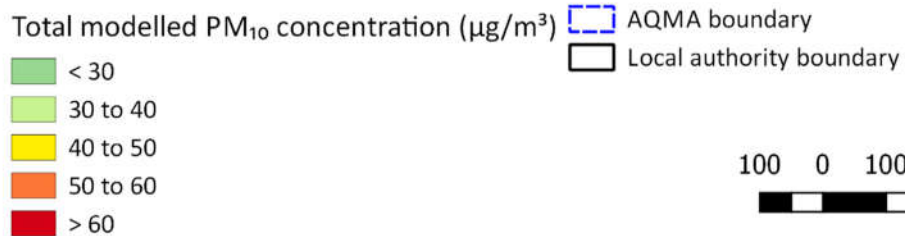


Figure 6-47 Short term PM₁₀ concentration model results for pseudo-2030 SGO D2 scenario AQMA No. 4 (High Street Botley)

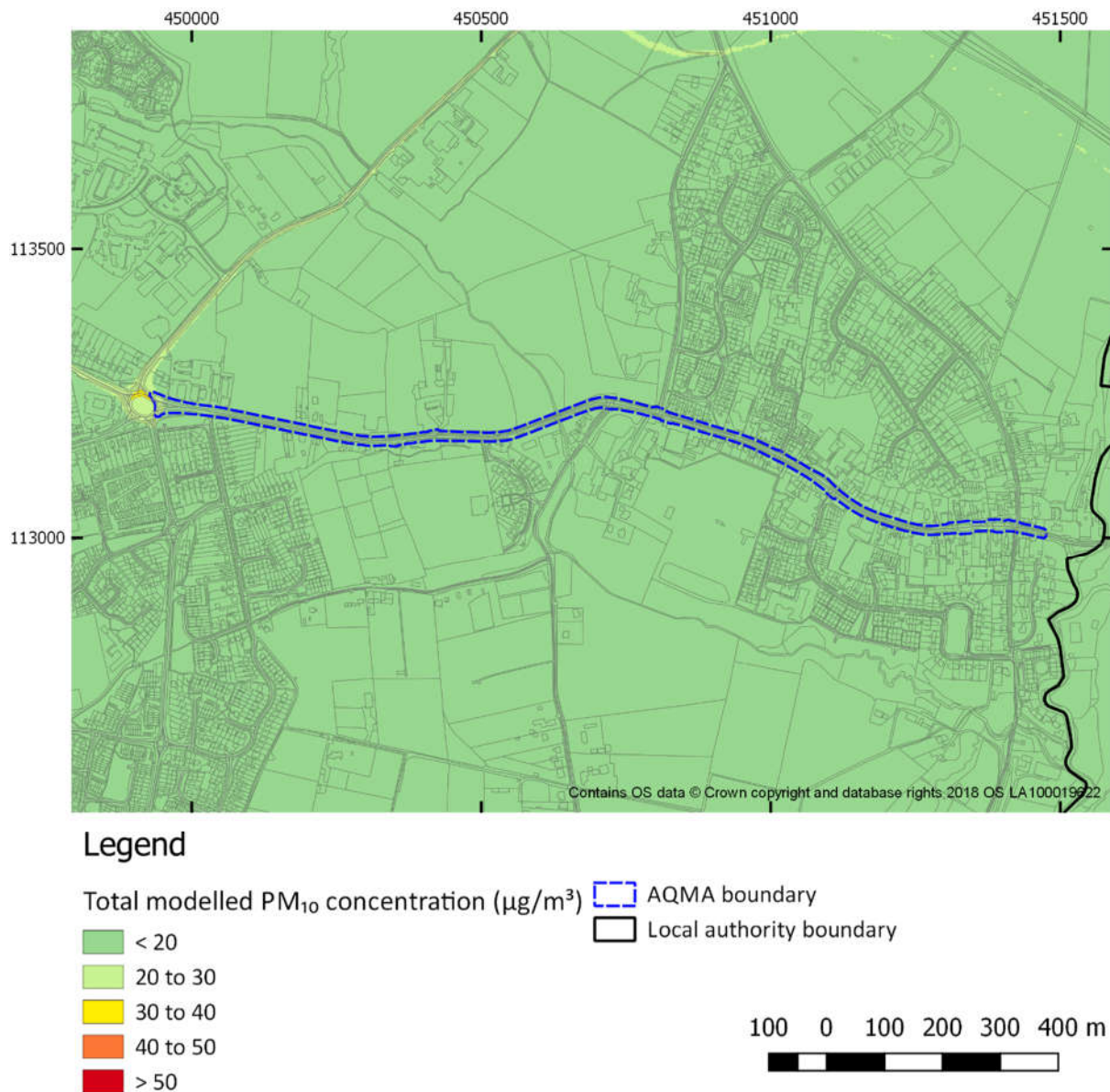
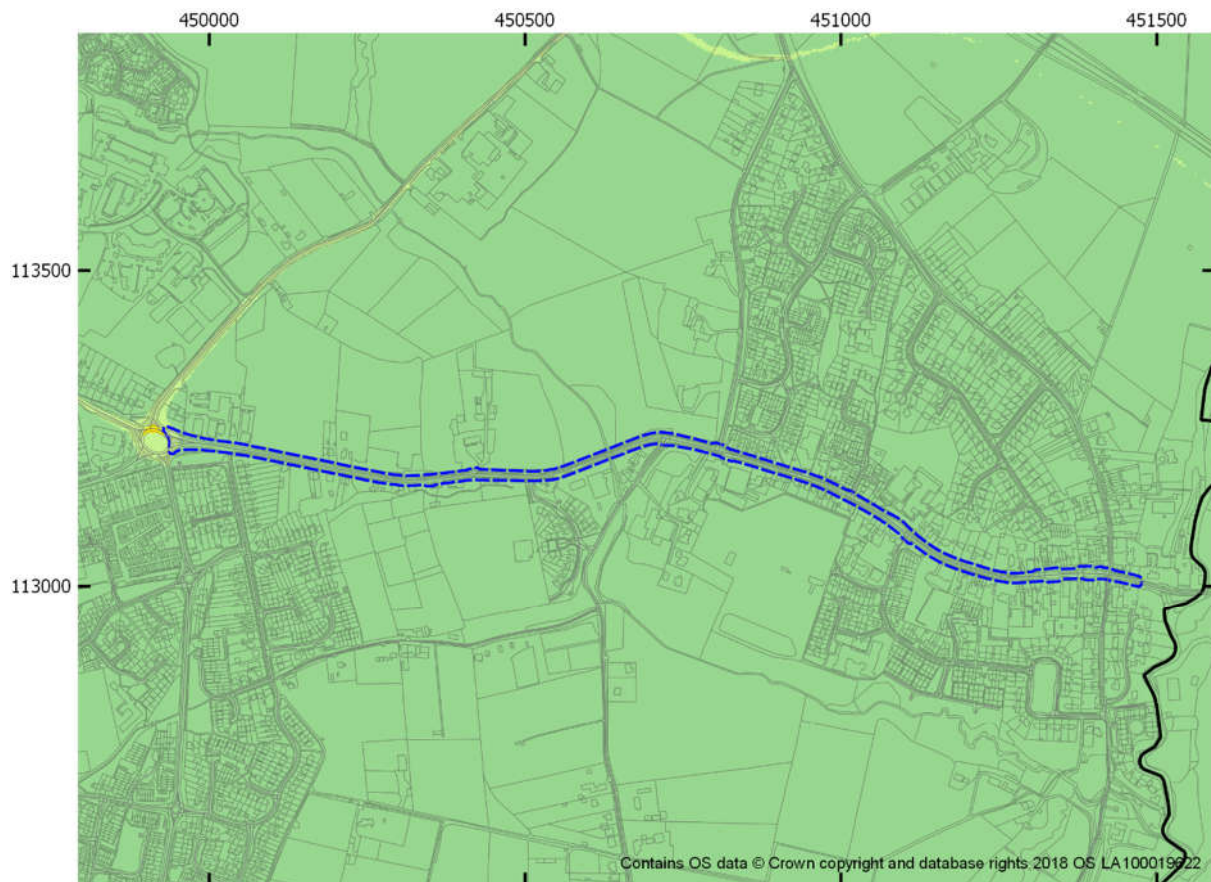


Figure 6-48 Short term PM₁₀ concentration model results for pseudo-2030 SGO E scenario AQMA No. 4 (High Street Botley)

Legend

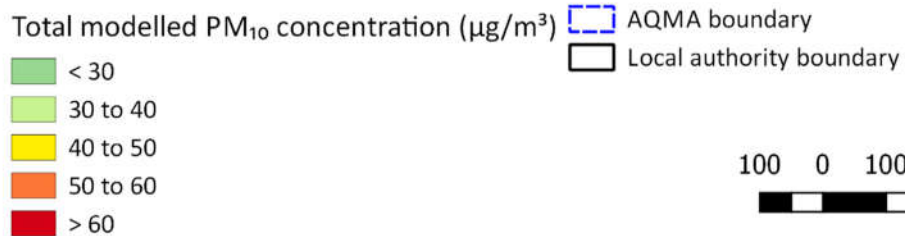


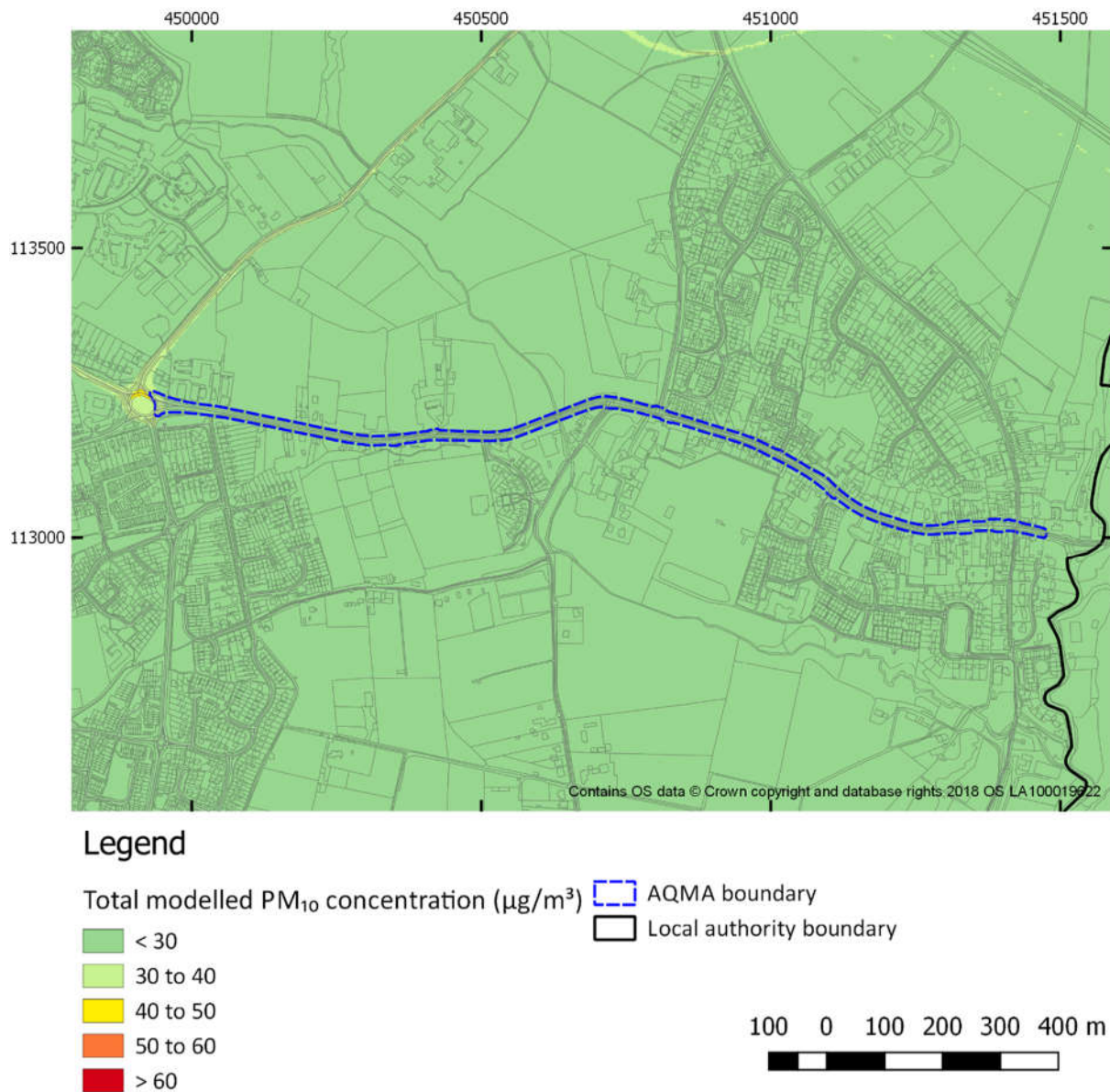
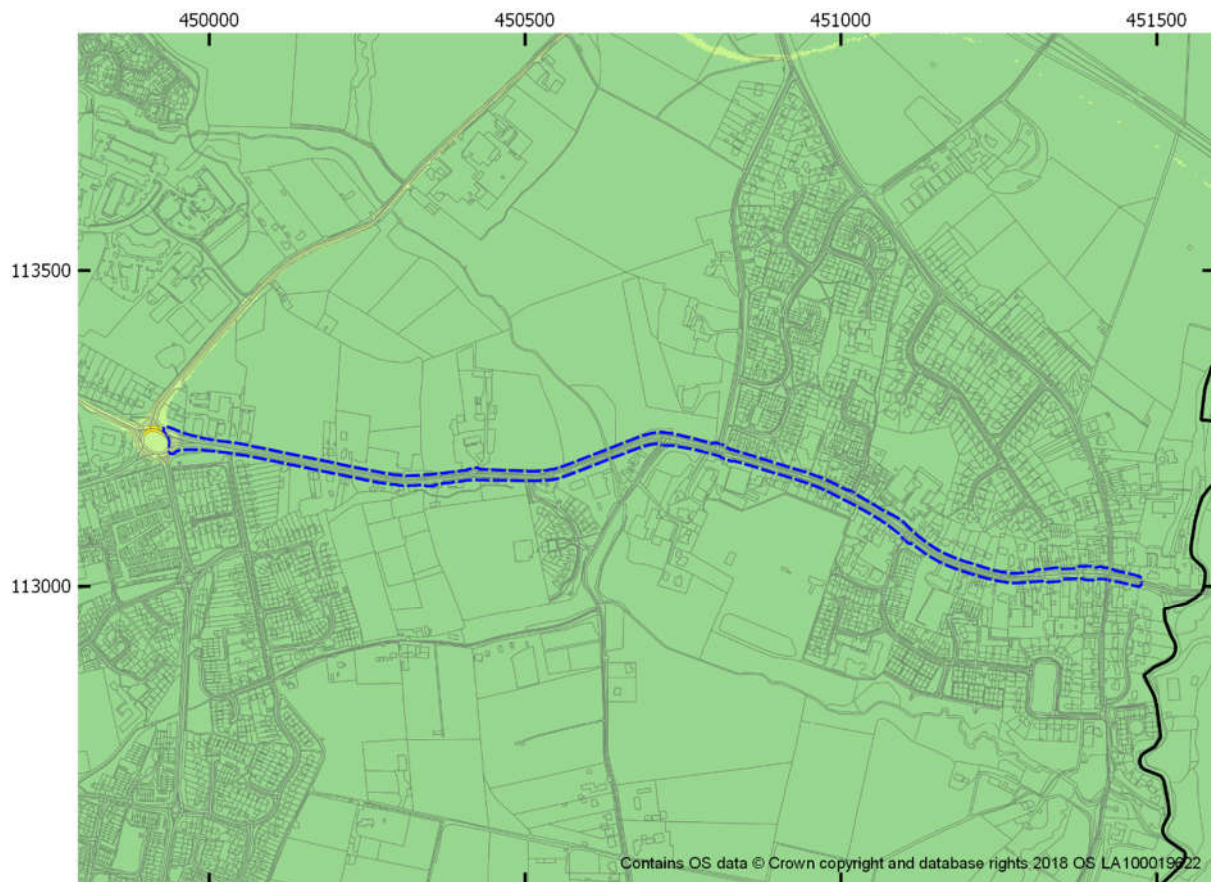
Figure 6-49 Short term PM₁₀ concentration model results for 2036 SGO C scenario AQMA No. 4 (High Street Botley)

Figure 6-50 Short term PM₁₀ concentration model results for 2036 SGO D1 scenario AQMA No. 4 (High Street Botley)

Legend

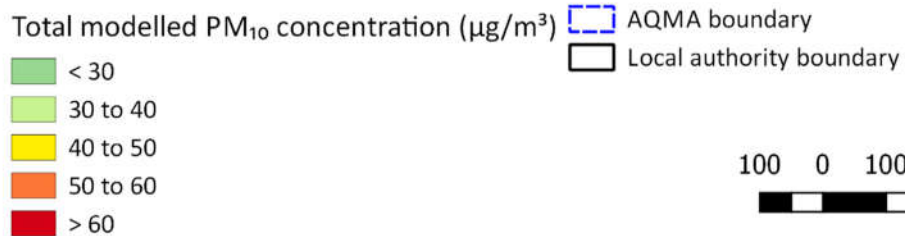
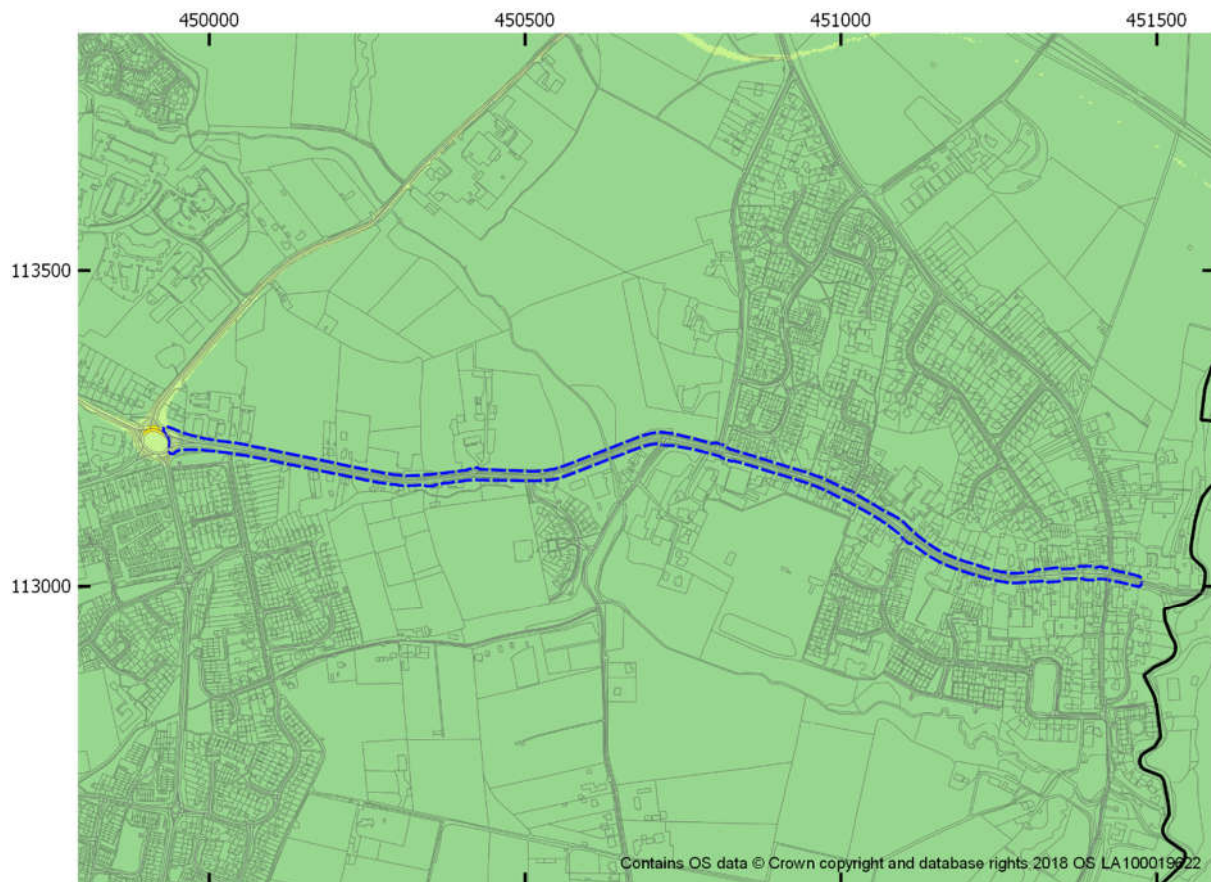


Figure 6-51 Short term PM₁₀ concentration model results for 2036 SGO D2 scenario AQMA No. 4 (High Street Botley)

Legend

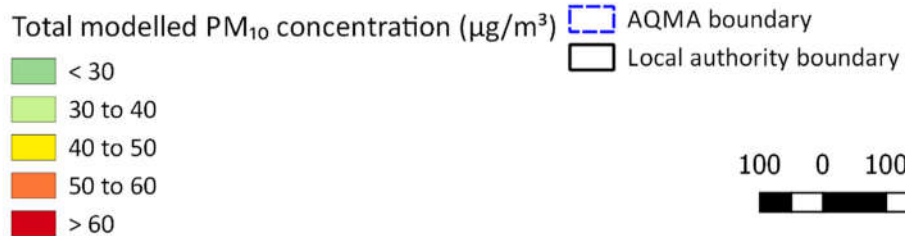
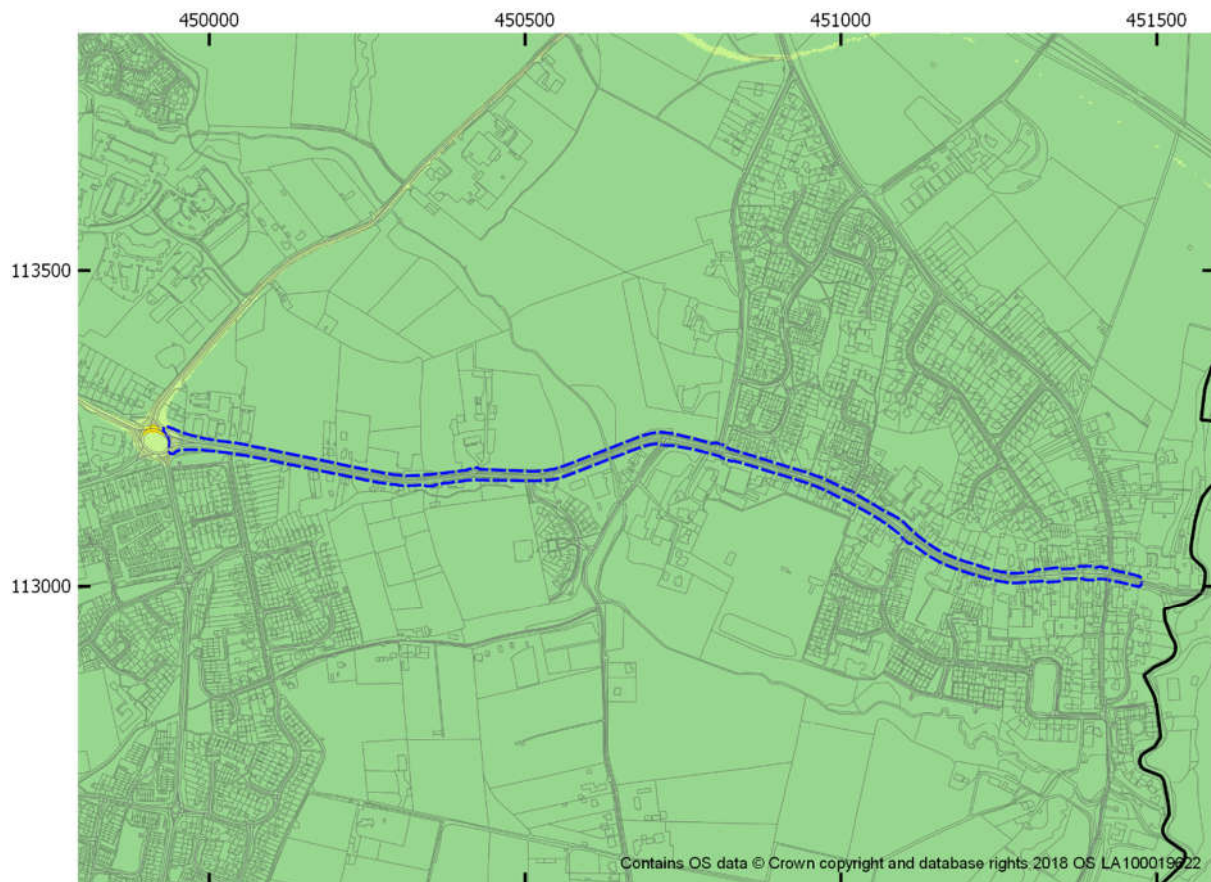


Figure 6-52 Short term PM₁₀ concentration model results for 2036 SGO E scenario AQMA No. 4 (High Street Botley)

Legend

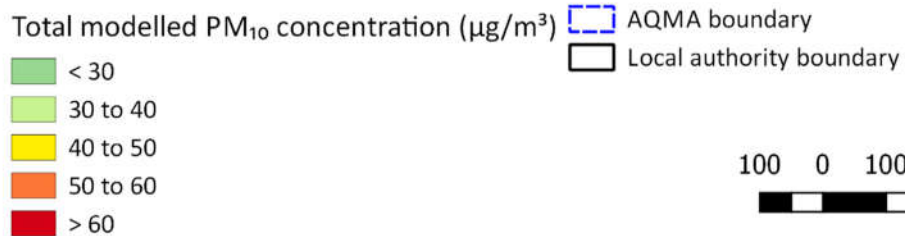
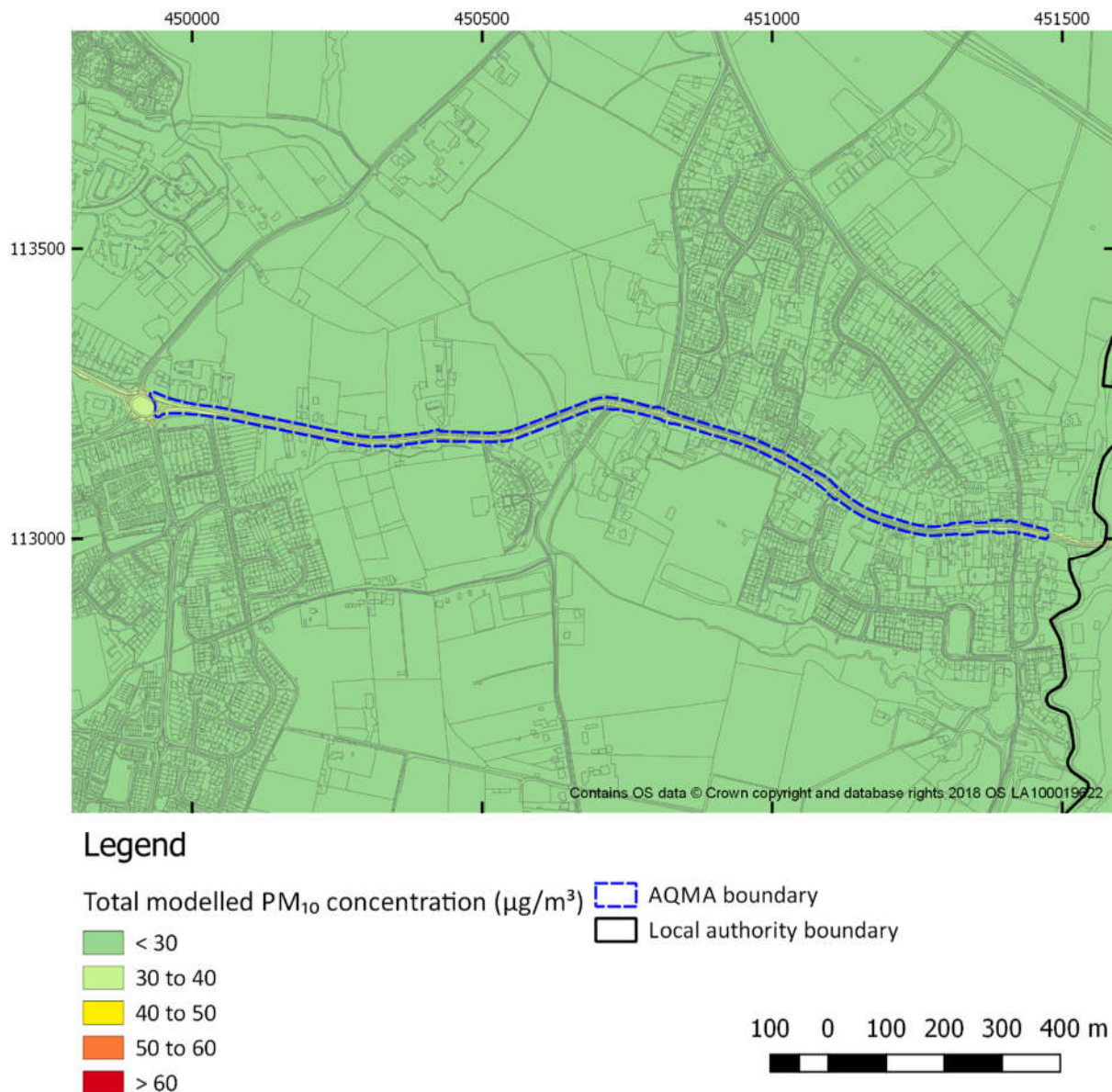


Figure 6-53 Short term PM₁₀ concentration model results for 2036 Baseline AQMA No. 4 (High Street Botley)



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