



# Gatwick Airport Northern Runway Project

Environmental Statement

Appendix 9.9.1: Habitat Regulations Assessment Report – Part 2

**Book 5**

VERSION: 1.0

DATE: JULY 2023

Application Document Ref: 5.3

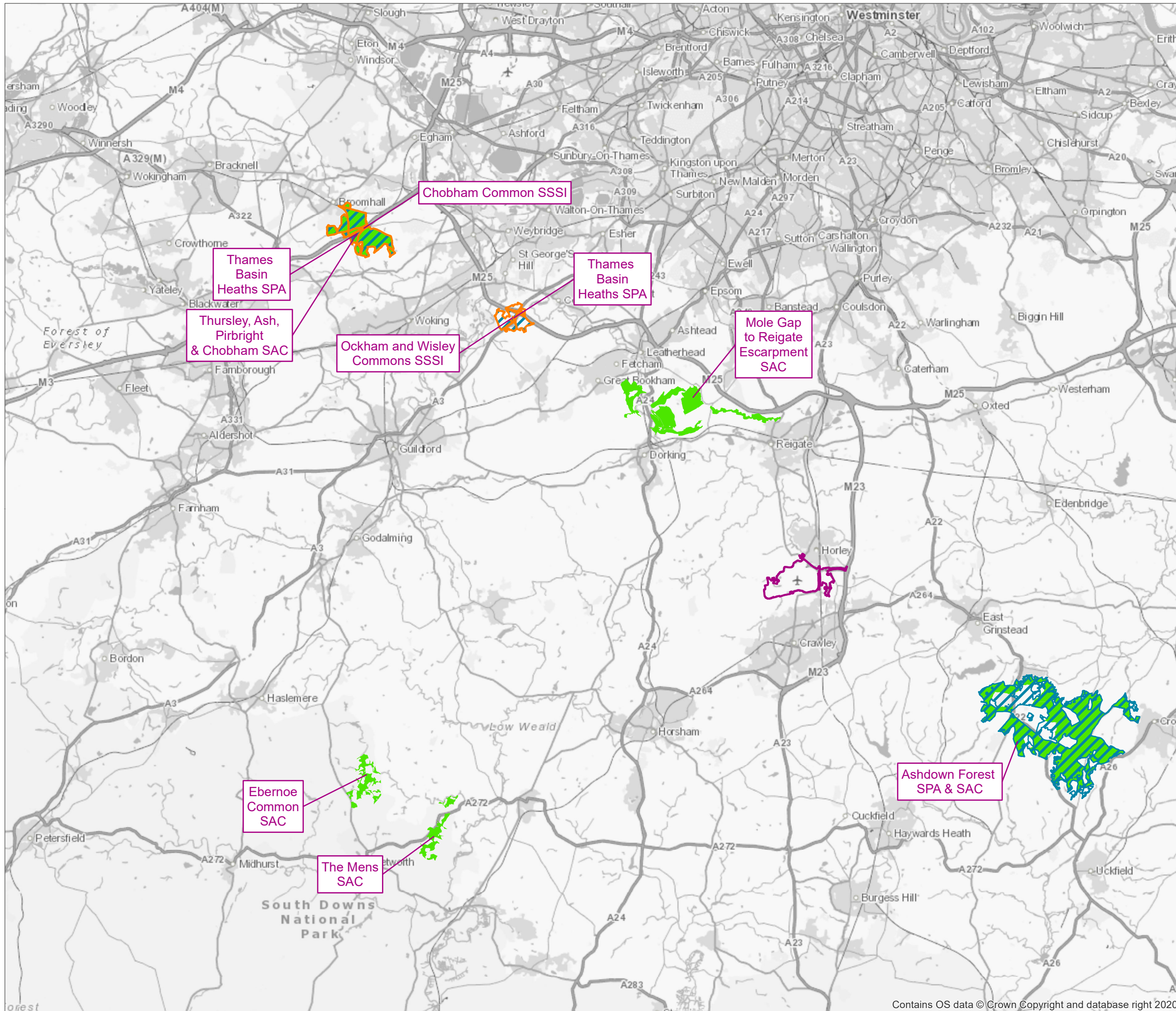
PINS Reference Number: TR020005



Annex 7

Figures





- KEY**
- Project Site Boundary
  - Special Protection
  - Special Area of Conservation
  - Site of Special Scientific Interest

DOCUMENT  
**Environmental Statement**

DRAWING TITLE  
**European Designated Sites**

DATE  
**July 2023**

	DRAWING NO. <b>FIGURE 1</b>	REVISION <b>For ES Issue</b>
	DRAWN BY <b>JM</b>	PM / CHECKED BY <b>NB</b>

SCALE @ A3 1:250,000

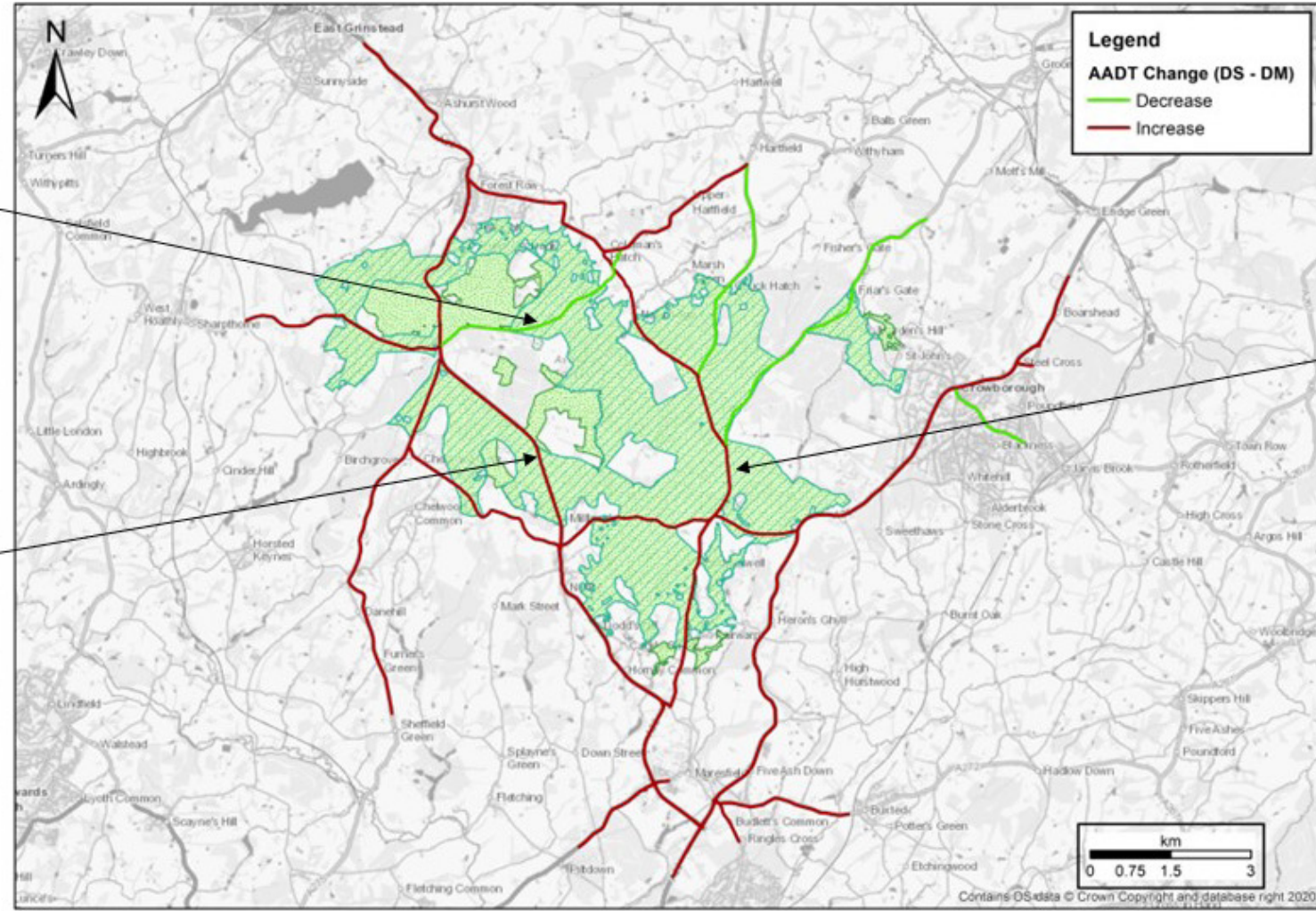
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**Legend**

**Legend**  
**AADT Change (DS - DM)**  
— Decrease  
— Increase



B2110	
DM	2,631
DMHRA	2,454
DS	2,628
Diff (Main)	-3
Diff (Cumulative)	174

A22	
DM	18,893
DMHRA	18,128
DS	19,021
Diff (Main)	128
Diff (Cumulative)	893

B2026	
DM	7,321
DMHRA	6,829
DS	7,343
Diff (Main)	22
Diff (Cumulative)	514

DOCUMENT  
**Environmental Statement**

DRAWING TITLE  
**Changes in AADT in Ashdown Forest SAC & SPA in 2032**

DATE  
**July 2023**

	DRAWING NO. <b>Figure 2</b>	REVISION <b>For ES Issue</b>
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**Legend**

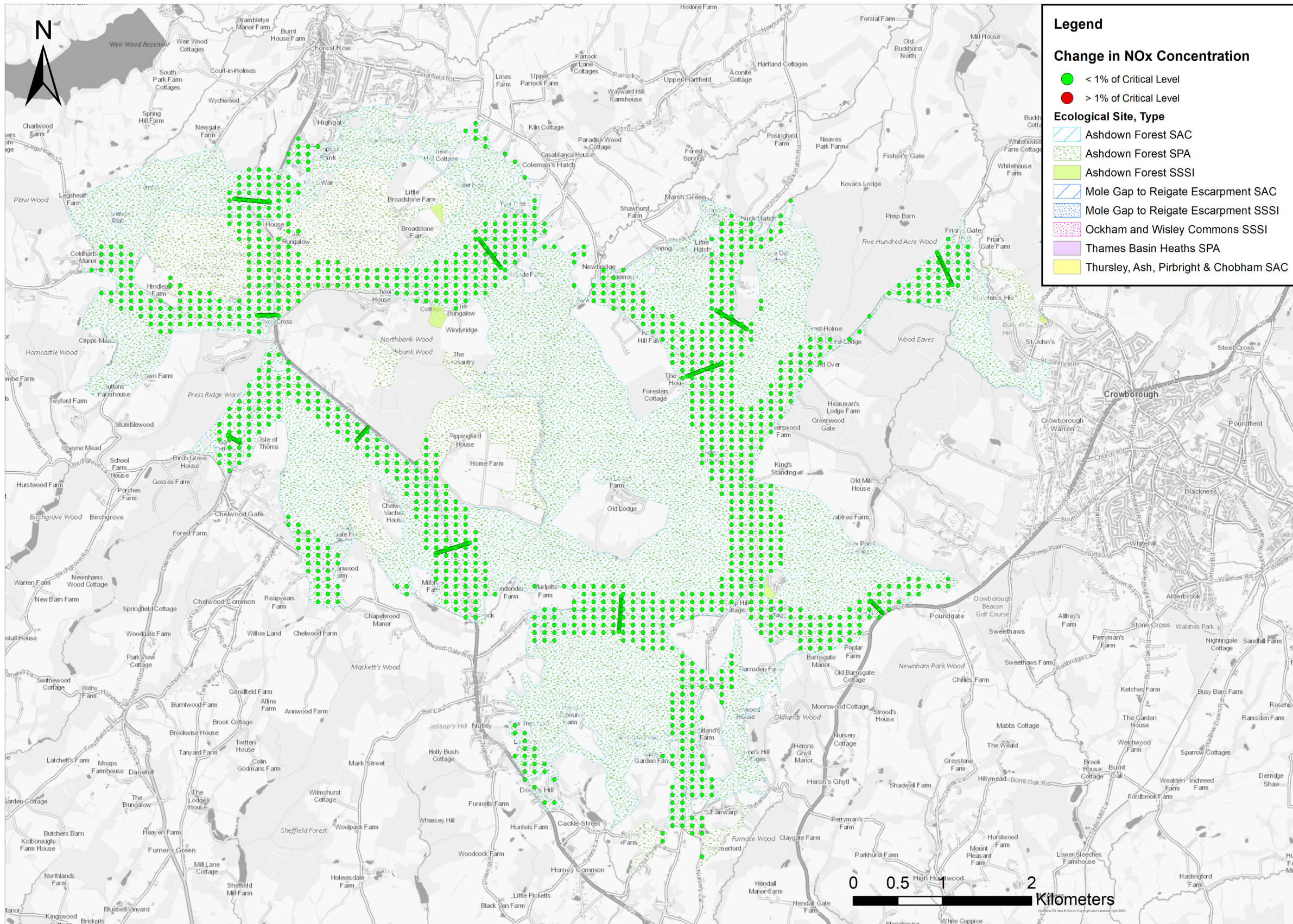
**Legend**

**Change in NOx Concentration**

- < 1% of Critical Level
- > 1% of Critical Level

**Ecological Site, Type**

- Ashdown Forest SAC
- Ashdown Forest SPA
- Ashdown Forest SSSI
- Mole Gap to Reigate Escarpment SAC
- Mole Gap to Reigate Escarpment SSSI
- Ockham and Wisley Commons SSSI
- Thames Basin Heaths SPA
- Thursley, Ash, Pirbright & Chobham SAC



DOCUMENT

**Environmental Statement**

DRAWING TITLE

**Change in NOx in Ashdown Forest SAC & SPA in 2032 Project Alone Scenario**

DATE

July 2023

ORIENTATION



DRAWING NO.

Figure 3

REVISION

For ES Issue

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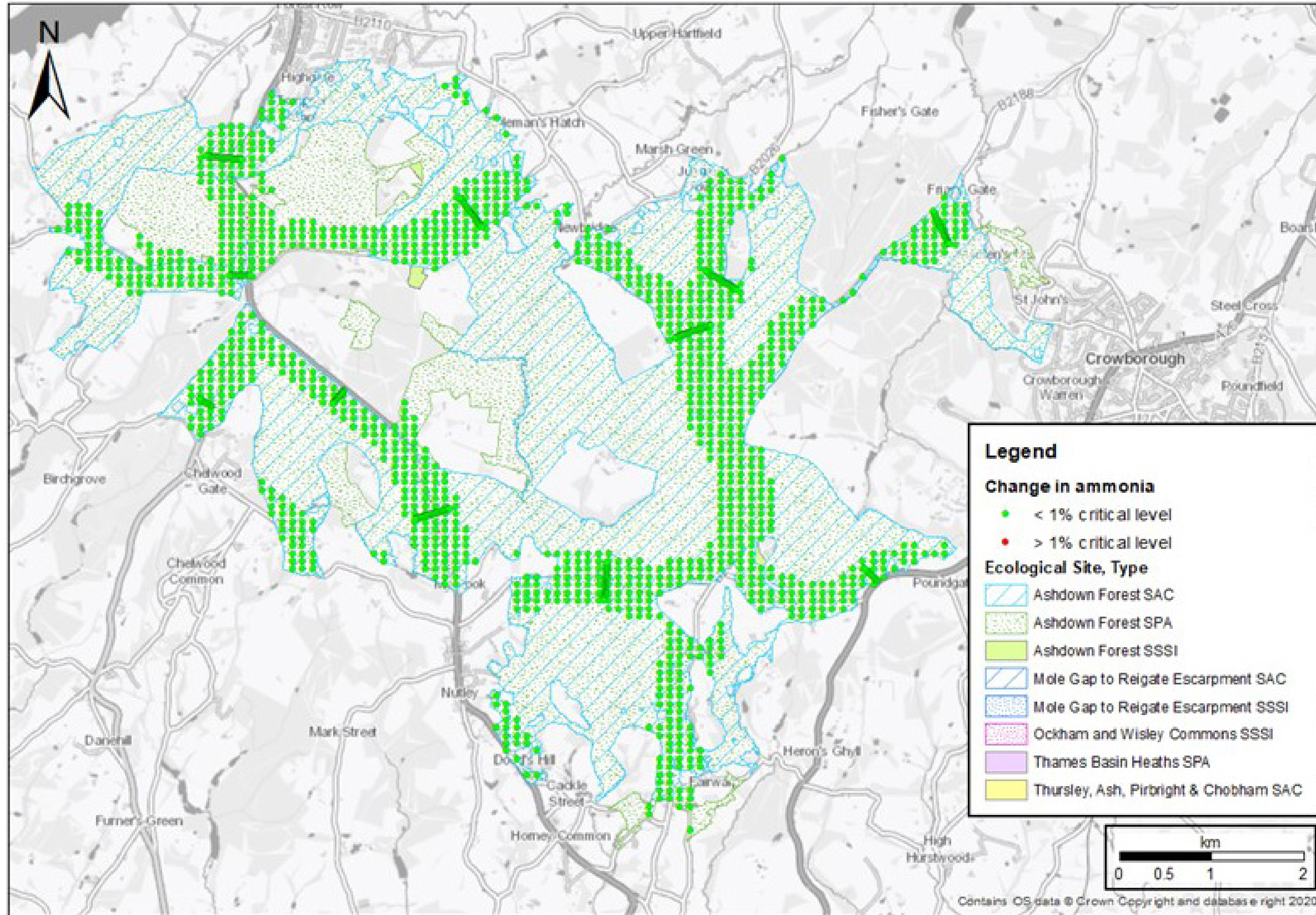
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Legend



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Environmental Statement

DRAWING TITLE

Change in NH3 in Ashdown Forest SAC & SPA in 2032 Project Alone Scenario

DATE

July 2023

ORIENTATION



DRAWING NO.

Figure 4

REVISION

For ES Issue

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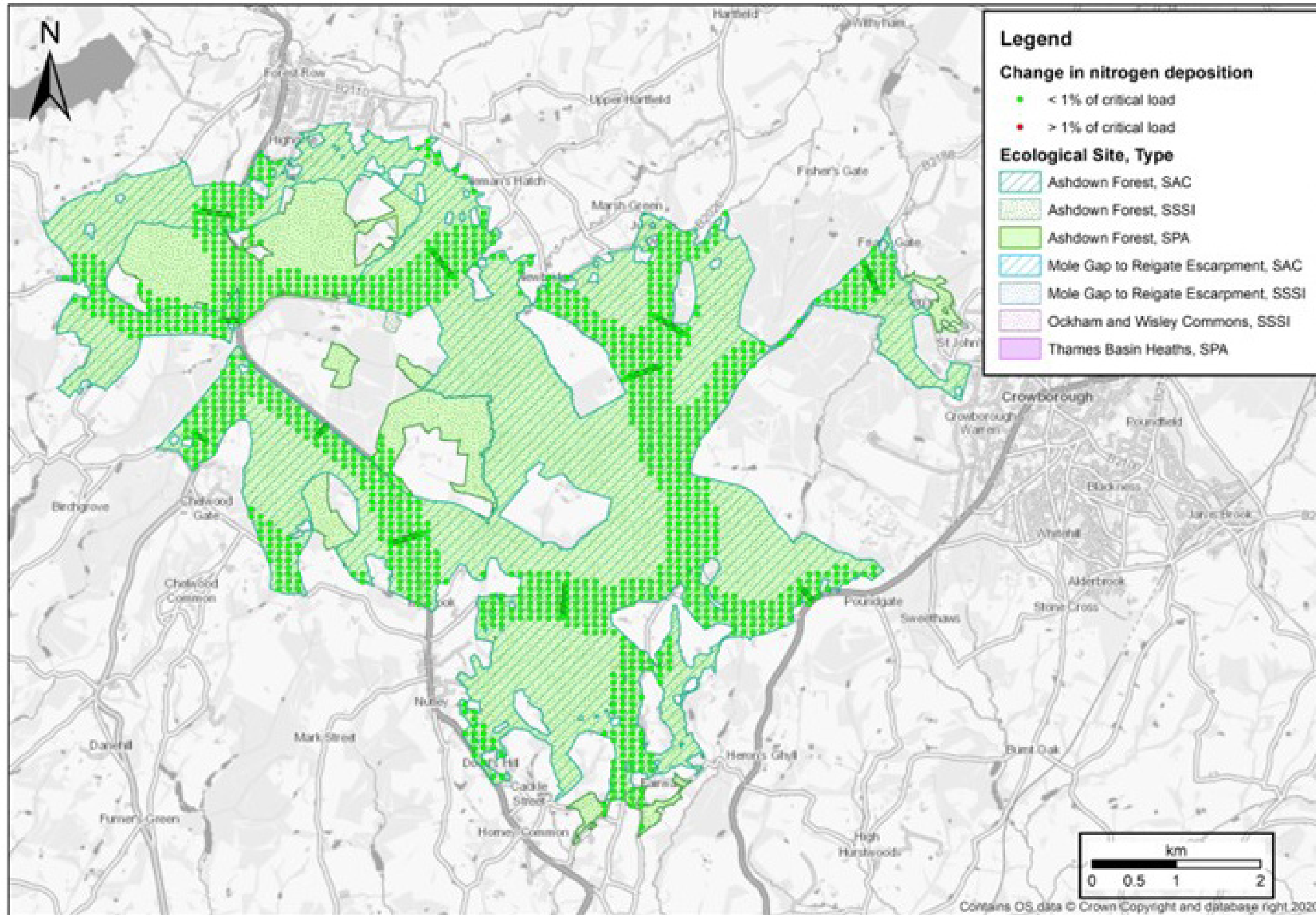
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Environmental Statement

DRAWING TITLE

Change in Nitrogen Deposition in Ashdown Forest SAC & SPA in 2032 Project Alone Scenario

DATE

July 2023

ORIENTATION



DRAWING NO.

Figure 5

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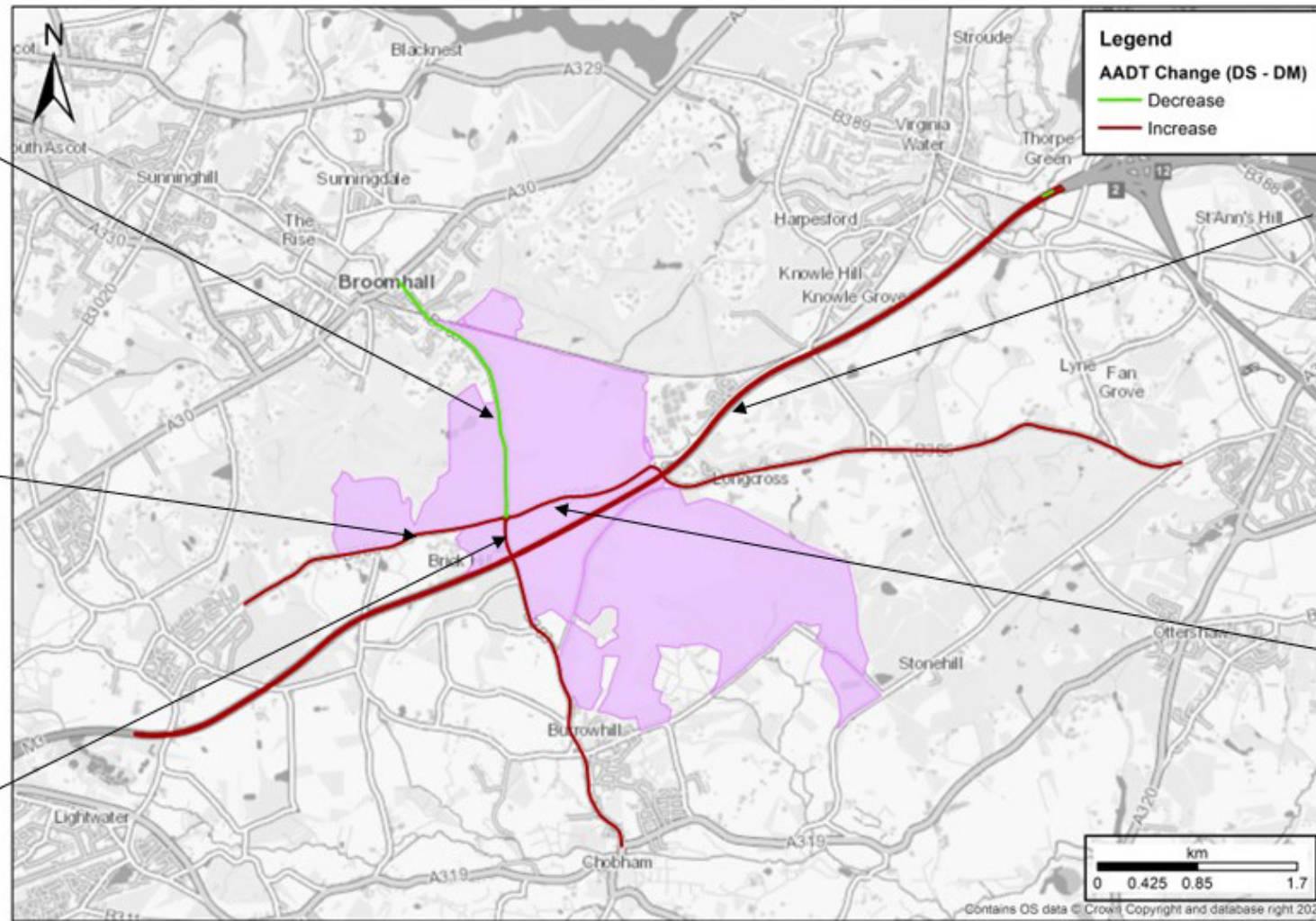


**Legend**

Chobham Road	
DM	23,234
DMHRA	22,832
DS	23,232
Diff (Main)	-2
Diff (Cumulative)	400

B386 (west)	
DM	8,548
DMHRA	8,410
DS	8,599
Diff (Main)	52
Diff (Cumulative)	190

Windsor Road	
DM	23,234
DMHRA	22,832
DS	23,232
Diff (Main)	2
Diff (Cumulative)	400



M3	
DM	176,610
DMHRA	173,644
DS	177,150
Diff (Main)	540
Diff (Cumulative)	3,506

B386 (east)	
DM	17,152
DMHRA	17,283
DS	17,155
Diff (Main)	3
Diff (Cumulative)	-128

DOCUMENT

Environmental Statement

DRAWING TITLE

Changes in AADT in Chobham Common SSSI component of Thursley, Ash, Pirbright & Chobham SAC in 2032

DATE

July 2023

ORIENTATION



DRAWING NO.

Figure 6

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For ES Issue

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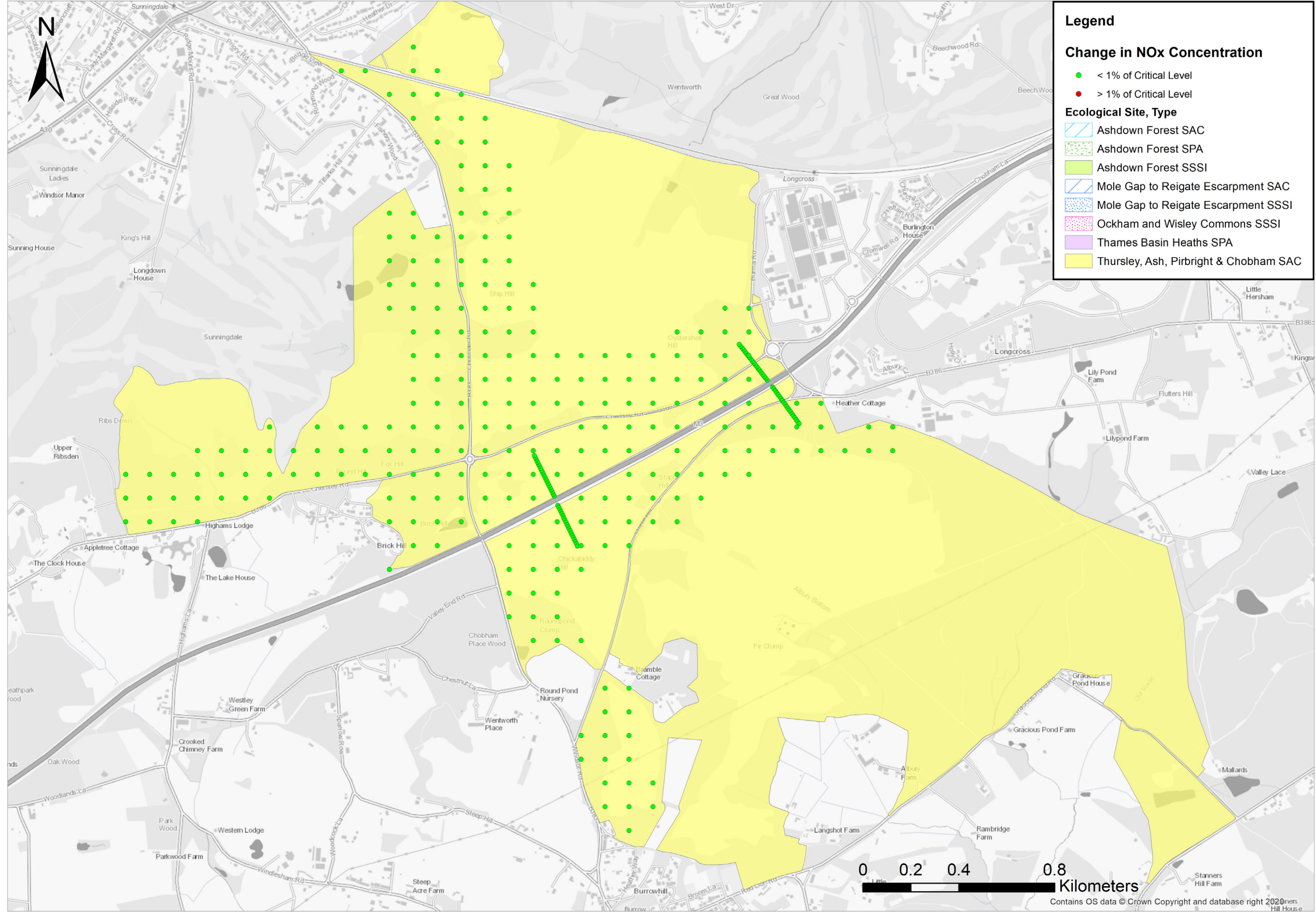
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**Legend**

**Change in NOx Concentration**

- < 1% of Critical Level
- > 1% of Critical Level

**Ecological Site, Type**

- ▨ Ashdown Forest SAC
- ▨ Ashdown Forest SPA
- ▨ Ashdown Forest SSSI
- ▨ Mole Gap to Reigate Escarpment SAC
- ▨ Mole Gap to Reigate Escarpment SSSI
- ▨ Ockham and Wisley Commons SSSI
- ▨ Thames Basin Heaths SPA
- ▨ Thursley, Ash, Pirbright & Chobham SAC

**Legend**

DOCUMENT  
Environmental Statement

DRAWING TITLE  
Change in NOx in Chobham Common SSSI component of TAPC SAC & TBH SPA in 2032 Project Alone Scenario

DATE  
July 2023

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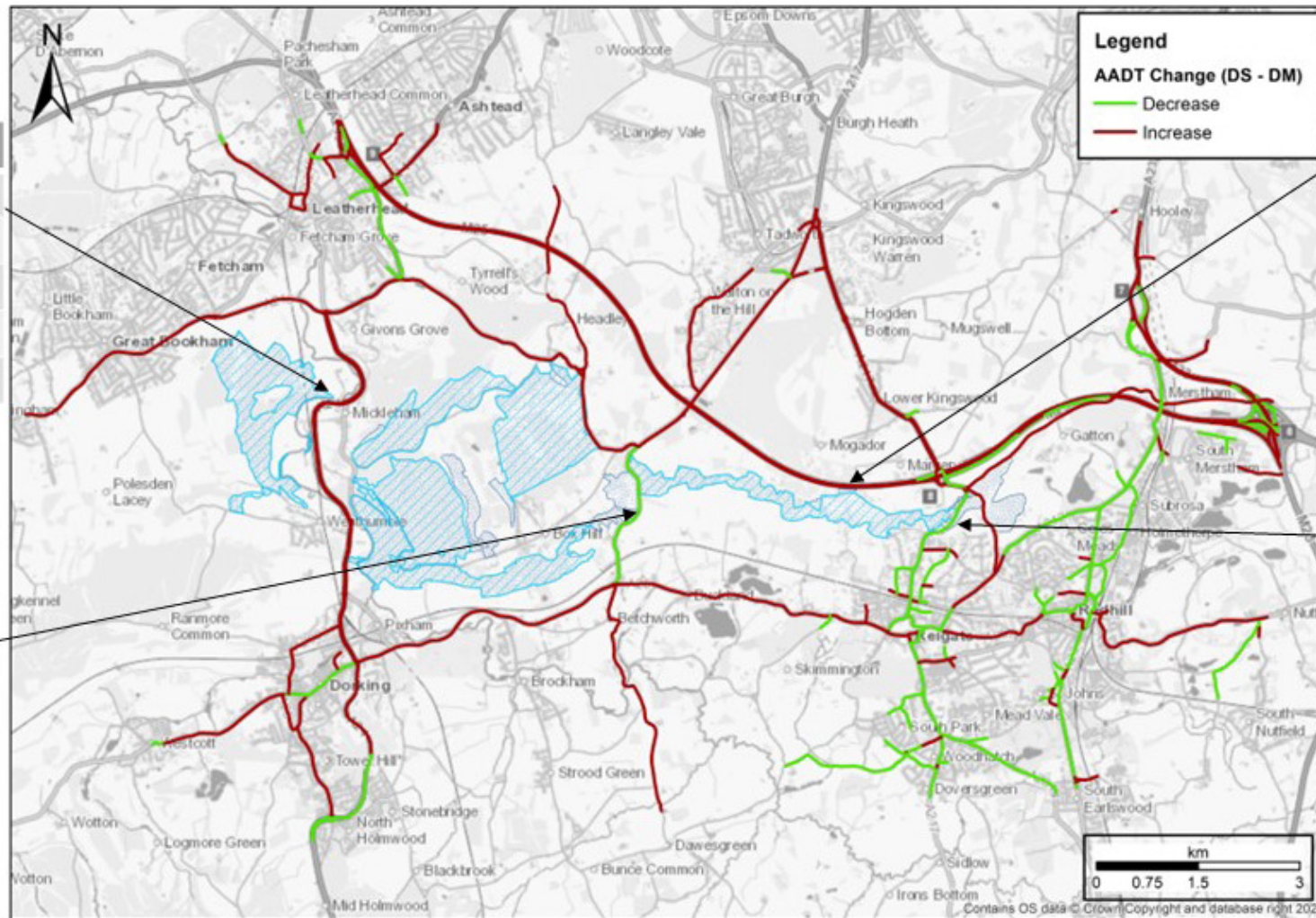






**Legend**

**Legend**  
**AADT Change (DS - DM)**  
— Decrease  
— Increase



A24	
DM	29,902
DMHRA	30,827
DS	30,856
Diff (Main)	29
Diff (Cumulative)	954

B2032	
DM	15,883
DMHRA	15,290
DS	15,838
Diff (Main)	-45
Diff (Cumulative)	548

M25	
DM	197,657
DMHRA	197,073
DS	200,320
Diff (Main)	2,663
Diff (Cumulative)	3,247

A217	
DM	25,636
DMHRA	23,862
DS	25,215
Diff (Main)	-421
Diff (Cumulative)	1,353

DOCUMENT  
**Environmental Statement**

DRAWING TITLE  
**Changes in AADT in Mole Gap to Reigate Escarpment SAC in 2032**

DATE  
**July 2023**

ORIENTATION	DRAWING NO.	REVISION
		<b>Figure 10</b>
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**Legend**

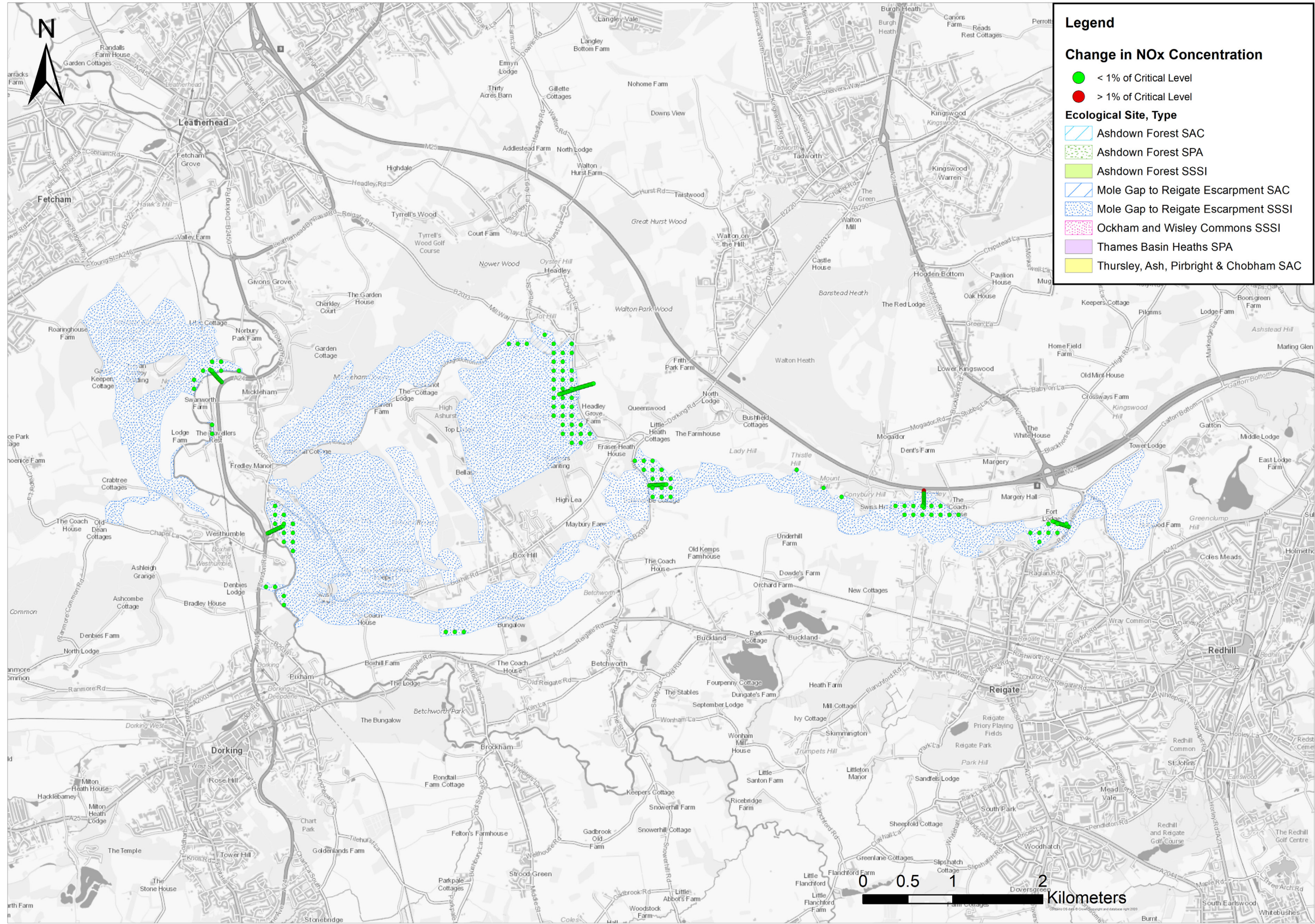
**Legend**

**Change in NOx Concentration**

- < 1% of Critical Level
- > 1% of Critical Level

**Ecological Site, Type**

- Ashdown Forest SAC
- Ashdown Forest SPA
- Ashdown Forest SSSI
- Mole Gap to Reigate Escarpment SAC
- Mole Gap to Reigate Escarpment SSSI
- Ockham and Wisley Commons SSSI
- Thames Basin Heaths SPA
- Thursley, Ash, Pirbright & Chobham SAC



DOCUMENT

**Environmental Statement**

DRAWING TITLE

**Changes in NOx concentrations at Mole Gap to Reigate Escarpment SAC in 2032 due to NRP alone**

DATE

**July 2023**

	DRAWING NO.	REVISION
	Figure 11	For ES Issue
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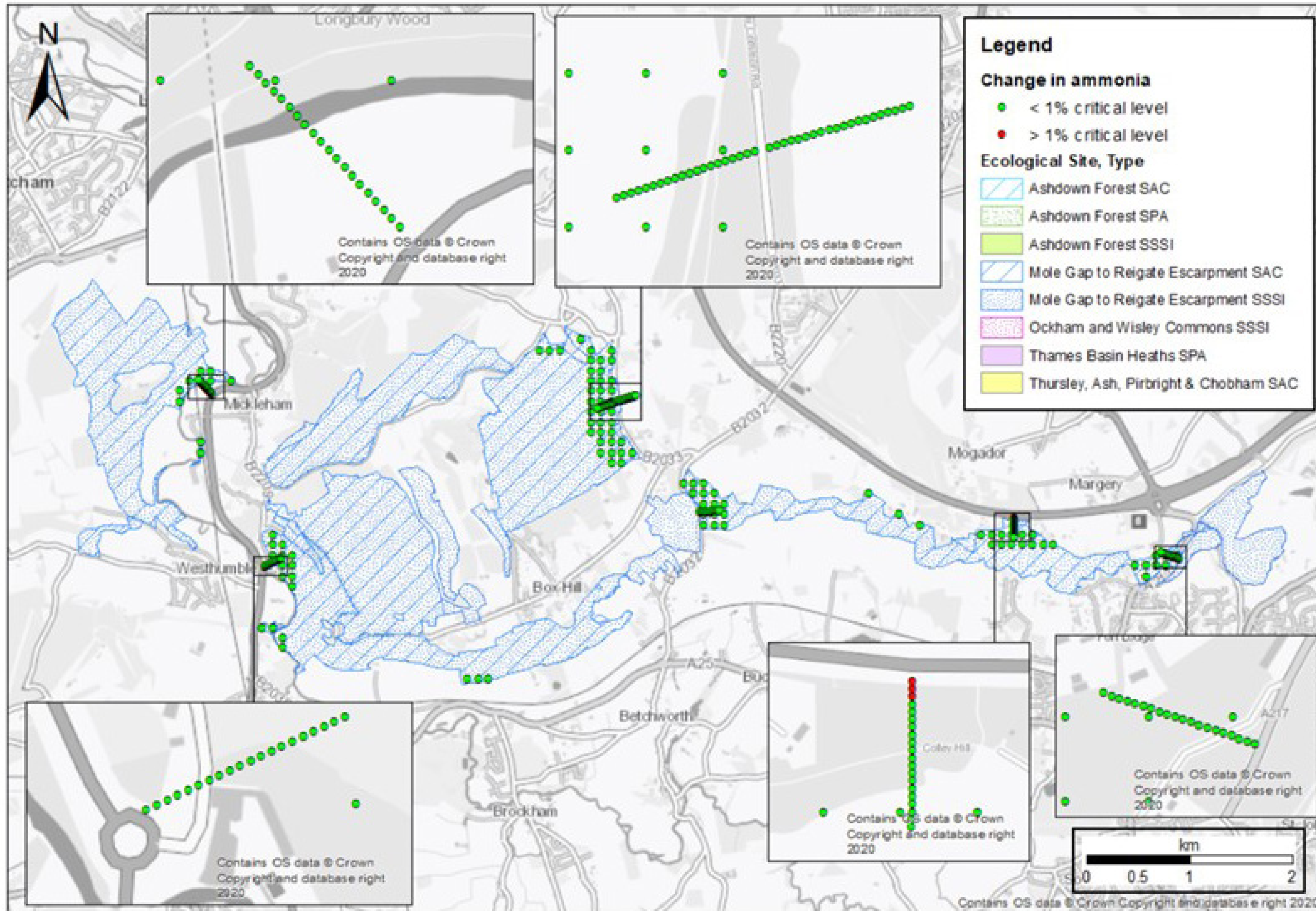
0 0.5 1 2 Kilometers

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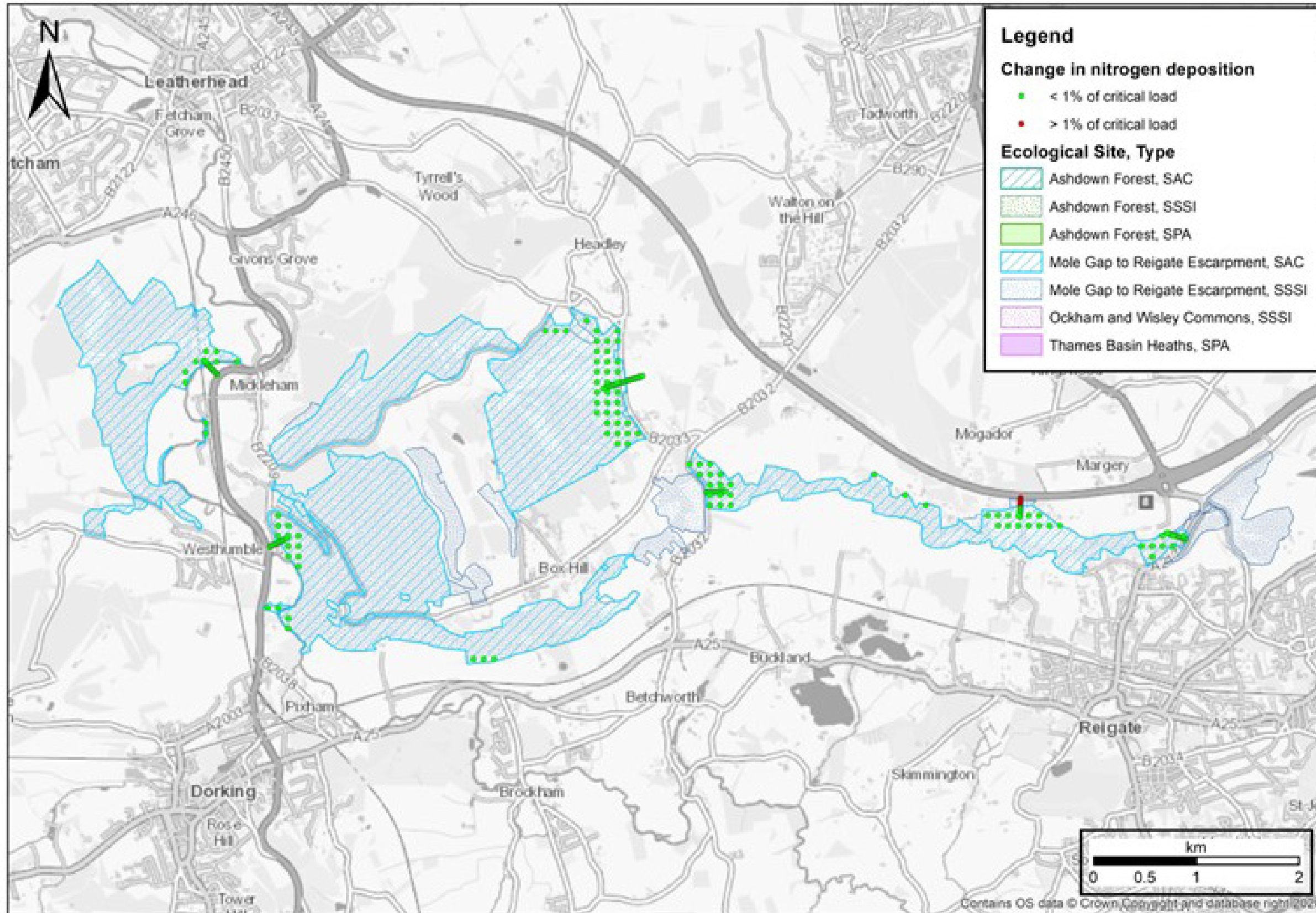


DOCUMENT		
Environmental Statement		
DRAWING TITLE		
Changes in NH3 concentration at Mole Gap to Reigate Escarpment SAC in 2032 due to NRP alone		
DATE		
July 2023		
ORIENTATION	DRAWING NO.	REVISION
	Figure 12	For ES Issue
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**Legend**

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Environmental Statement

DRAWING TITLE

Changes in nitrogen deposition at Mole Gap to Reigate Escarpment SAC in 2032 due to NRP alone

DATE

July 2023

ORIENTATION



DRAWING NO.

Figure 13

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For ES Issue

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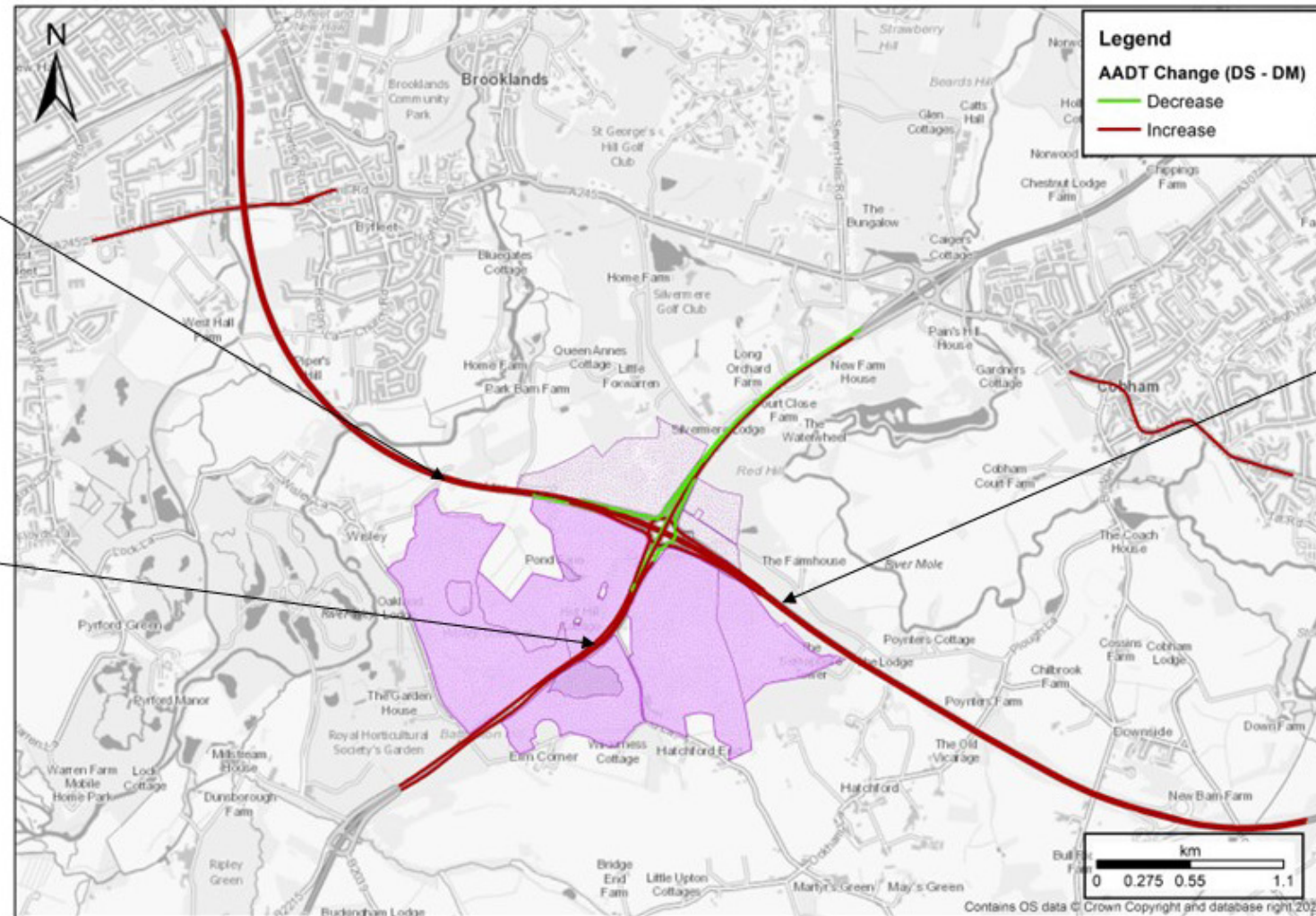
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**Legend**

**Legend**  
**AADT Change (DS - DM)**  
— Decrease  
— Increase



M25 North of Junction 10	
DM	216,367
DMHRA	218,032
DS	217,585
Diff (Main)	1,219
Diff (Cumulative)	-447

M25 South of Junction 10	
DM	201,157
DMHRA	200,817
DS	203,388
Diff (Main)	2,231
Diff (Cumulative)	2,571

A3	
DM	114,731
DMHRA	111,459
DS	115,030
Diff (Main)	299
Diff (Cumulative)	3,572

DOCUMENT  
**Environmental Statement**

DRAWING TITLE  
**Changes in AADT in Ockham & Wisley Common SSSI component of Thames Basin Heaths SPA in 2032**

DATE  
**July 2023**

	DRAWING NO. <b>Figure 14</b>	REVISION <b>For ES Issue</b>
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**Legend**

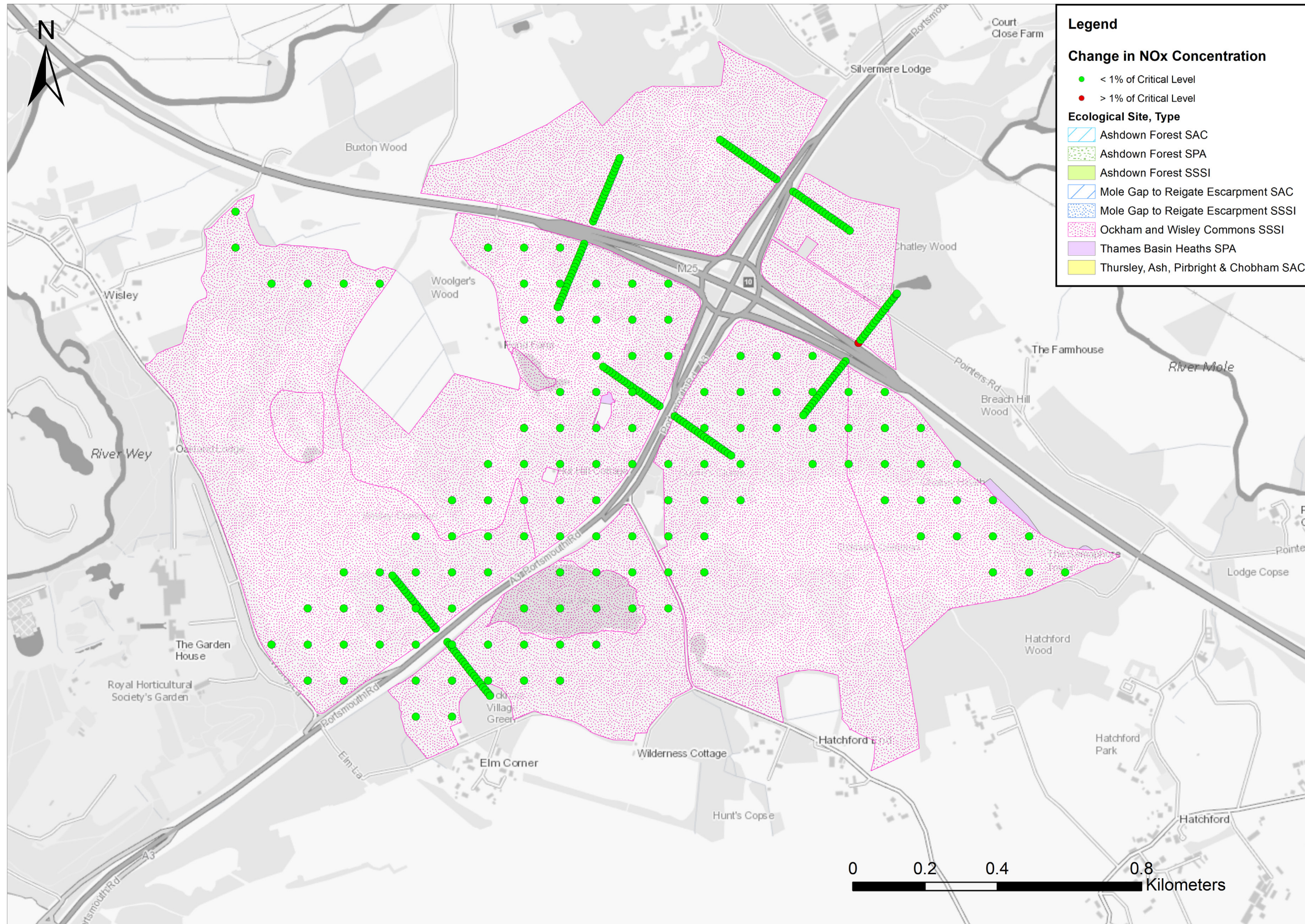
**Legend**

**Change in NOx Concentration**

- < 1% of Critical Level
- > 1% of Critical Level

**Ecological Site, Type**

- Ashdown Forest SAC
- Ashdown Forest SPA
- Ashdown Forest SSSI
- Mole Gap to Reigate Escarpment SAC
- Mole Gap to Reigate Escarpment SSSI
- Ockham and Wisley Commons SSSI
- Thames Basin Heaths SPA
- Thursley, Ash, Pirbright & Chobham SAC



DOCUMENT		
Environmental Statement		
DRAWING TITLE		
Changes in NOx concentrations at Ockham & Wisley Common SSSI component of Thames Basin Heaths SPA in 2032 due to NRP alone		
DATE		
July 2023		
ORIENTATION	DRAWING NO.	REVISION
	Figure 15	For ES Issue
	DRAWN BY	PM / CHECKED BY

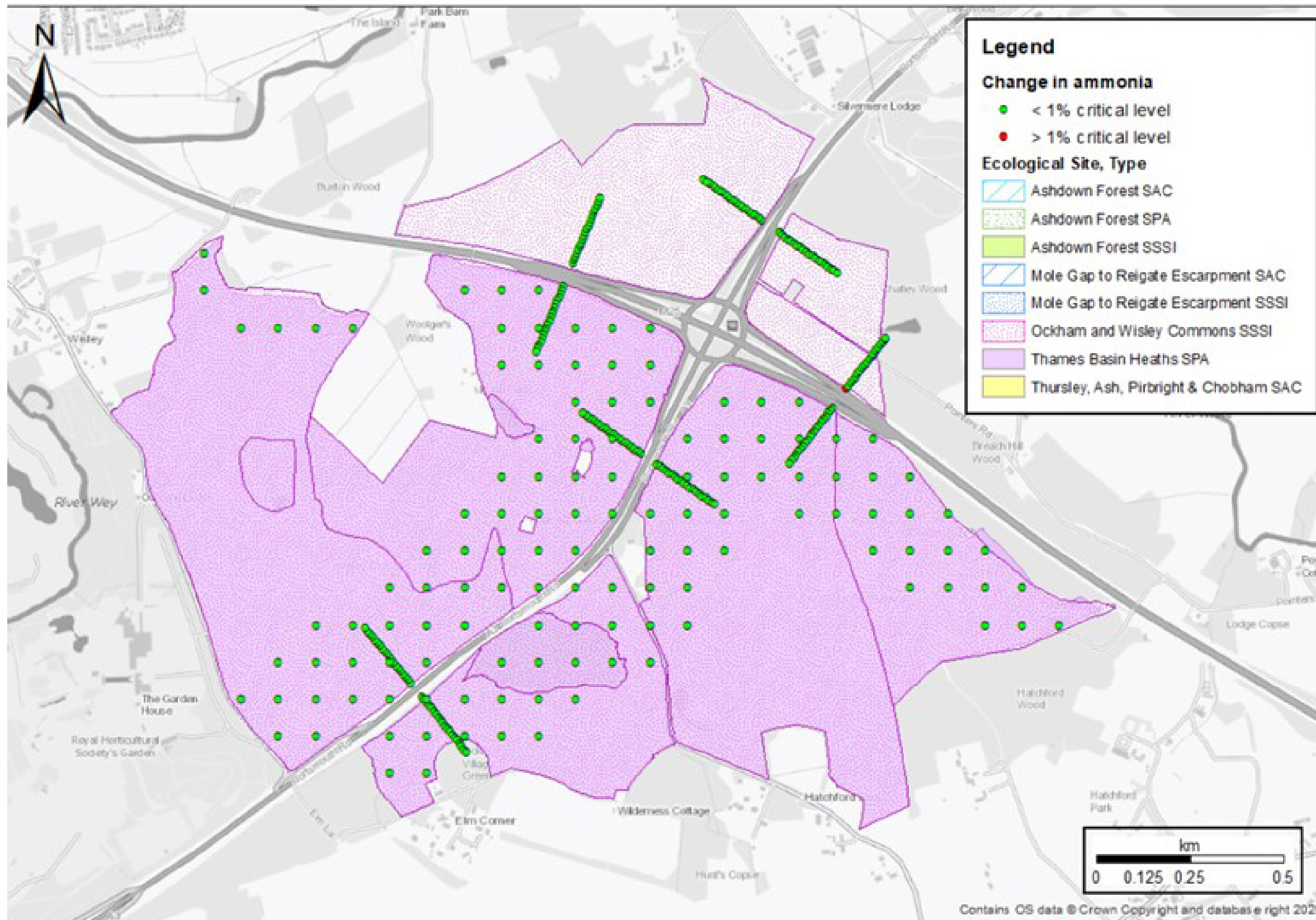
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**Legend**



**Legend**

**Change in ammonia**

- < 1% critical level
- > 1% critical level


**Ecological Site, Type**

- ▨ Ashdown Forest SAC
- ▨ Ashdown Forest SPA
- ▨ Ashdown Forest SSSI
- ▨ Mole Gap to Reigate Escarpment SAC
- ▨ Mole Gap to Reigate Escarpment SSSI
- ▨ Ockham and Wisley Commons SSSI
- ▨ Thames Basin Heaths SPA
- ▨ Thursley, Ash, Pirbright & Chobham SAC

DOCUMENT  
**Environmental Statement**

DRAWING TITLE  
**Changes in NH3 concentration at Ockham & Wisley Common SSSI component of Thames Basin Heaths SPA in 2032 due to NRP alone**

DATE  
**July 2023**

ORIENTATION 	DRAWING NO. <b>Figure 16</b>	REVISION <b>For ES Issue</b>
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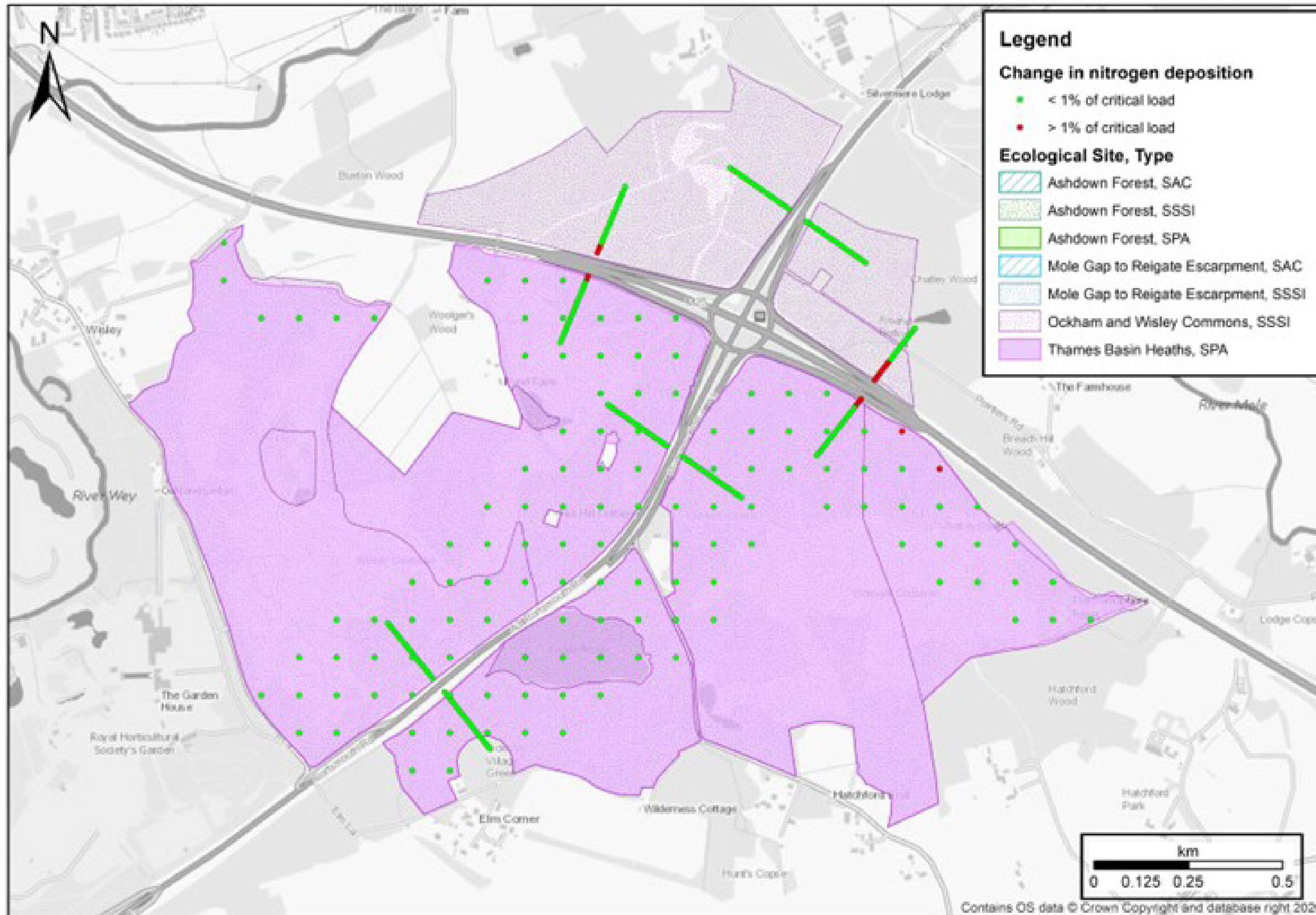
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**Legend**




**Legend**

**Change in nitrogen deposition**

- < 1% of critical load
- > 1% of critical load

**Ecological Site, Type**

- ▨ Ashdown Forest, SAC
- ▨ Ashdown Forest, SSSI
- ▨ Ashdown Forest, SPA
- ▨ Mole Gap to Reigate Escarpment, SAC
- ▨ Mole Gap to Reigate Escarpment, SSSI
- ▨ Ockham and Wisley Commons, SSSI
- ▨ Thames Basin Heaths, SPA

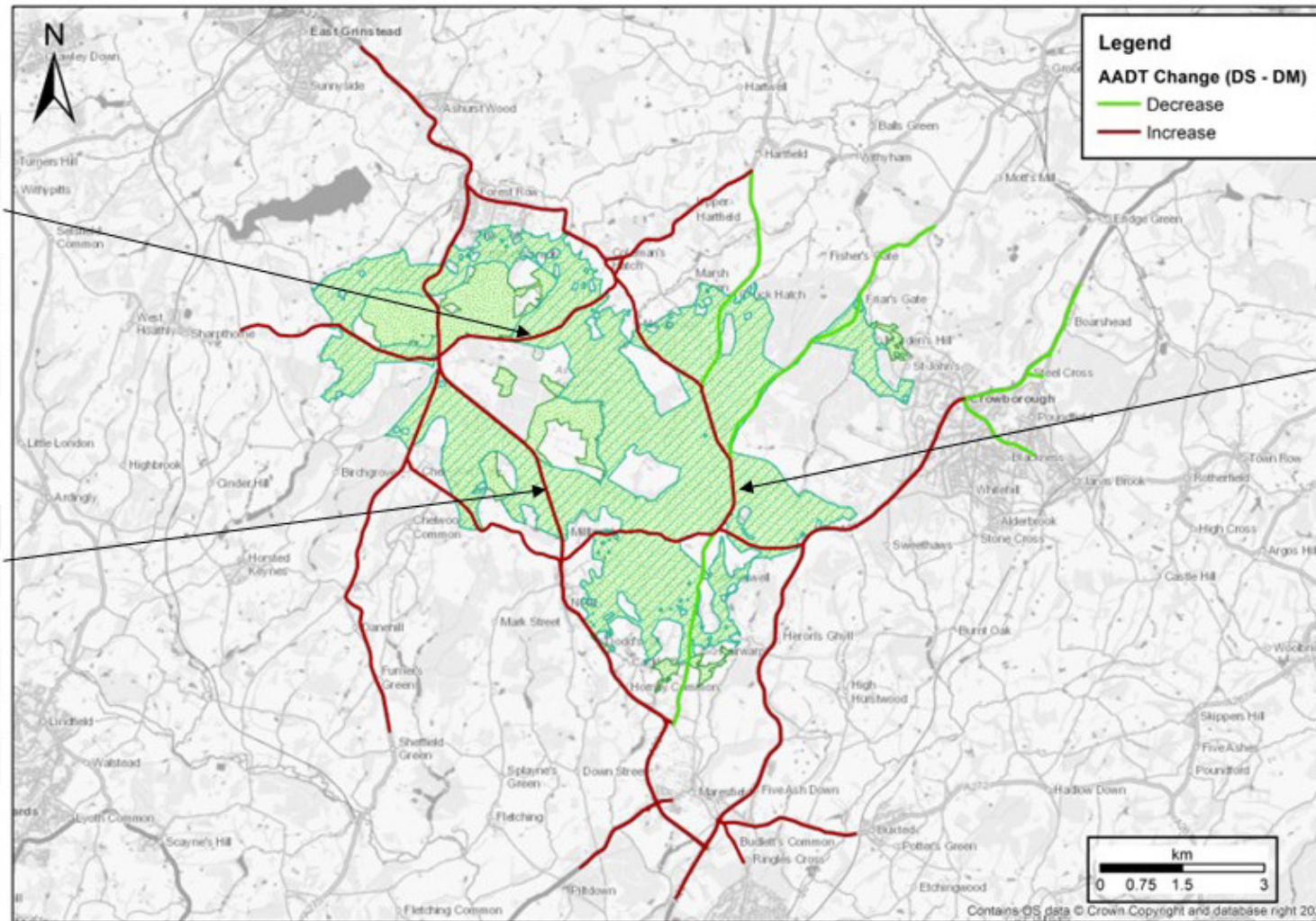
DOCUMENT		
Environmental Statement		
DRAWING TITLE		
Changes in nitrogen deposition Ockham & Wisley Common SSSI component of Thames Basin Heaths SPA in 2032 due to NRP alone		
DATE		
July 2023		
ORIENTATION	DRAWING NO.	REVISION
	Figure 17	For ES Issue
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**Legend**



B2110	
DM	2,769
DMHRA	2,489
DS	2,797
Diff (Main)	28
Diff (Cumulative)	308

A22	
DM	19,636
DMHRA	18,538
DS	19,815
Diff (Main)	179
Diff (Cumulative)	1277

B2026	
DM	8,031
DMHRA	7,100
DS	8,032
Diff (Main)	1
Diff (Cumulative)	932

DOCUMENT  
**Environmental Statement**

DRAWING TITLE  
**Change in AADT at Ashdown Forest SAC & SPA in 2038**

DATE  
**July 2023**

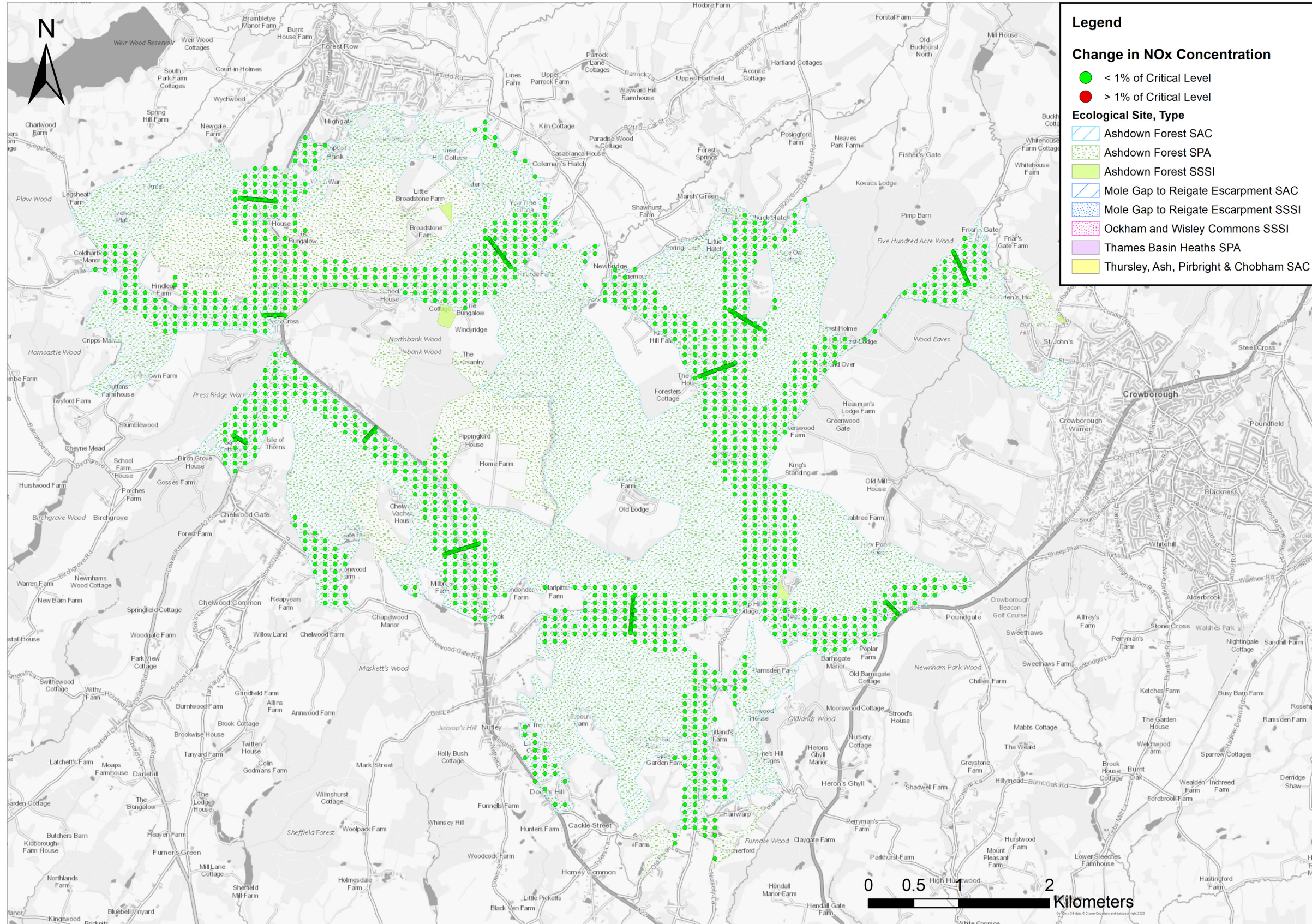
ORIENTATION 	DRAWING NO. <b>Figure 18</b>	REVISION <b>For ES Issue</b>
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**Legend**

**Change in NOx Concentration**

- < 1% of Critical Level
- > 1% of Critical Level

**Ecological Site, Type**

- ▭ Ashdown Forest SAC
- ▭ Ashdown Forest SPA
- ▭ Ashdown Forest SSSI
- ▭ Mole Gap to Reigate Escarpment SAC
- ▭ Mole Gap to Reigate Escarpment SSSI
- ▭ Ockham and Wisley Commons SSSI
- ▭ Thames Basin Heaths SPA
- ▭ Thursley, Ash, Pirbright & Chobham SAC

**Legend**

DOCUMENT

**Environmental Statement**

DRAWING TITLE

**Change in NOx in Ashdown Forest SAC & SPA in 2038 Project Alone Scenario**

DATE

**July 2023**

ORIENTATION	DRAWING NO.	REVISION
	<b>Figure 19</b>	<b>For ES Issue</b>
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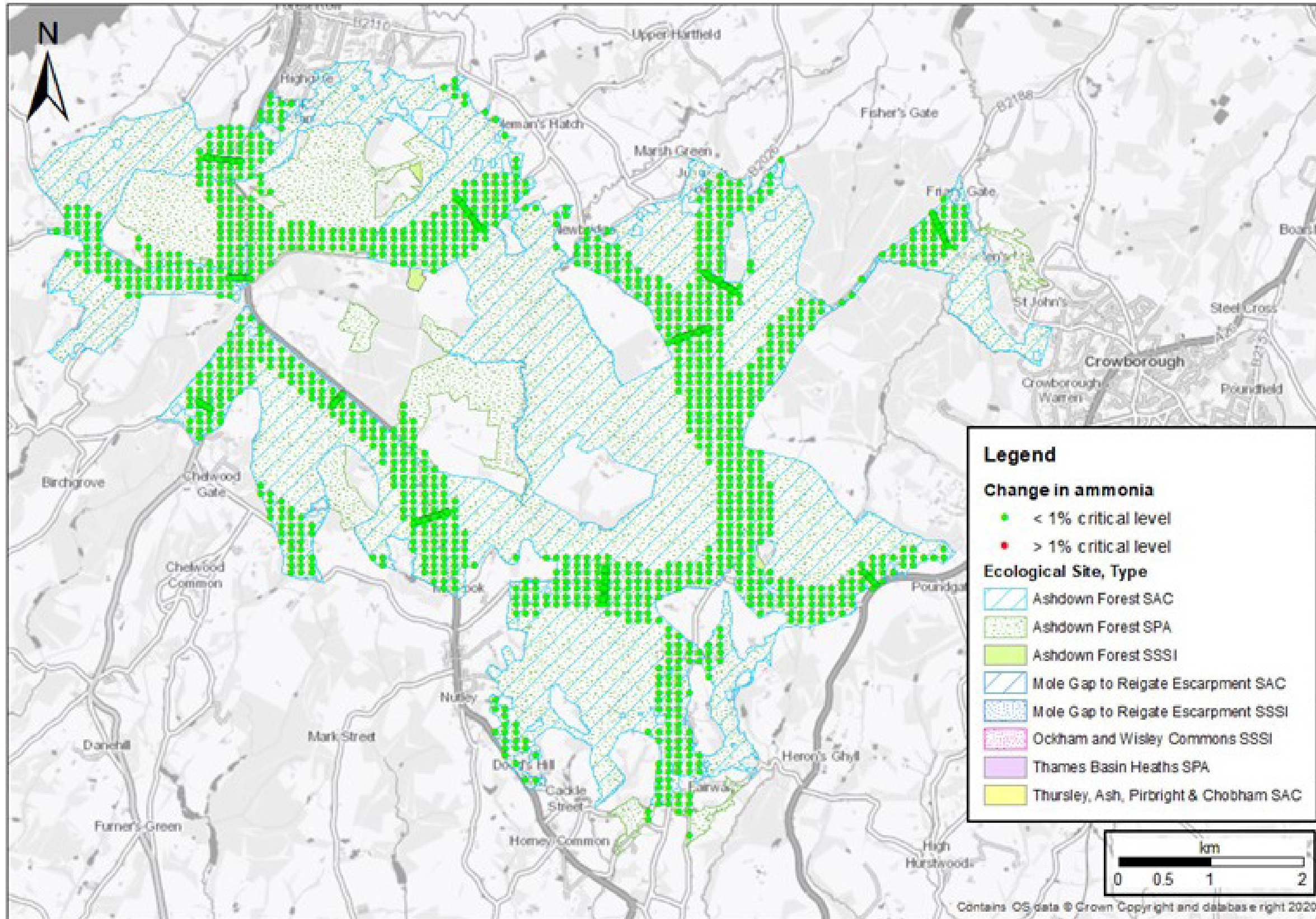
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**Legend**



DOCUMENT  
Environmental Statement

DRAWING TITLE  
Change in NH3 in Ashdown Forest SAC & SPA in 2038 Project Alone Scenario

DATE  
July 2023

ORIENTATION 	DRAWING NO. Figure 20	REVISION For ES Issue
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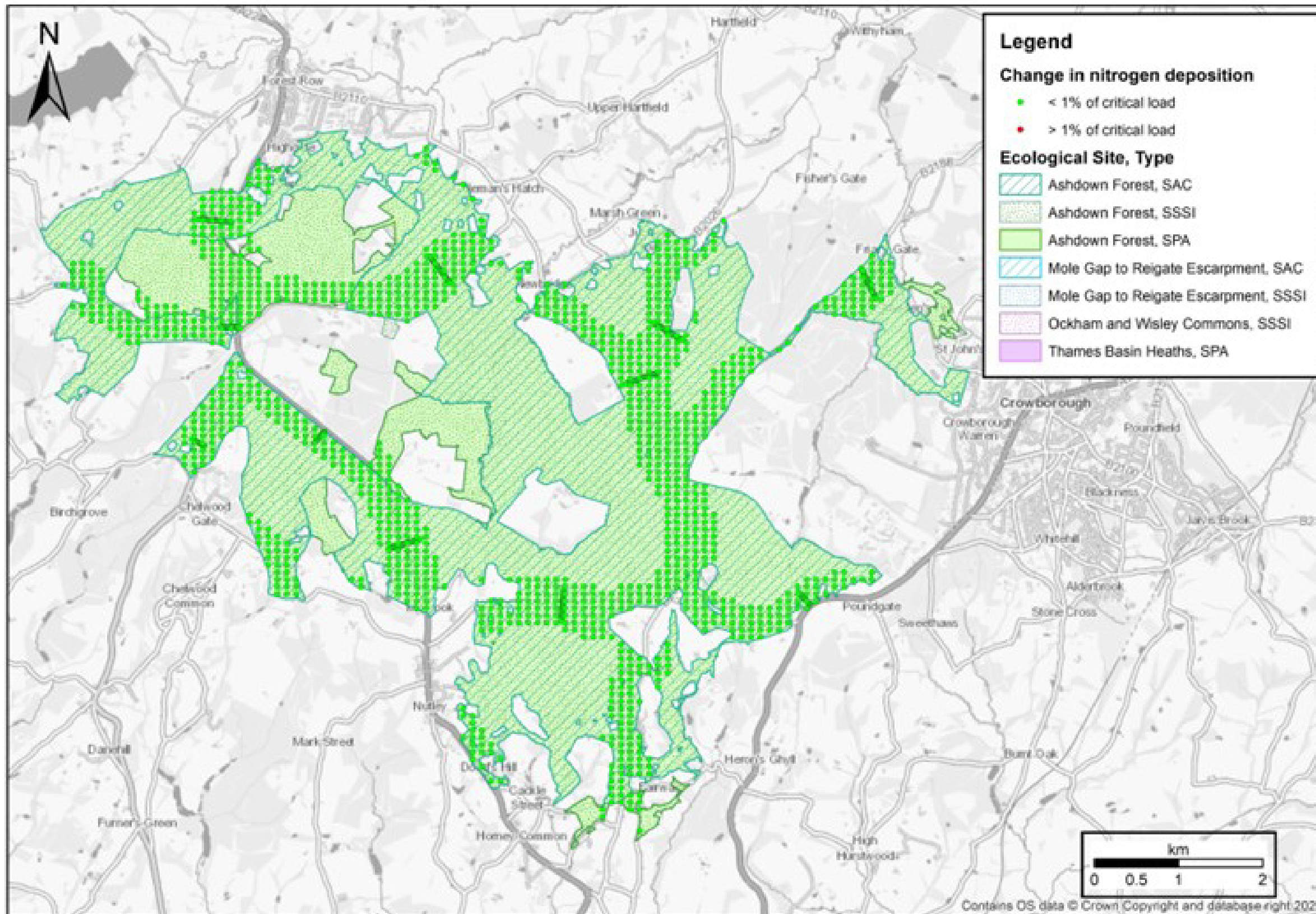
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**Legend**



DOCUMENT

Environmental Statement

DRAWING TITLE

Change in Nitrogen Deposition in Ashdown Forest SAC & SPA in 2038 Project Alone Scenario

DATE

July 2023

ORIENTATION



DRAWING NO.

Figure 21

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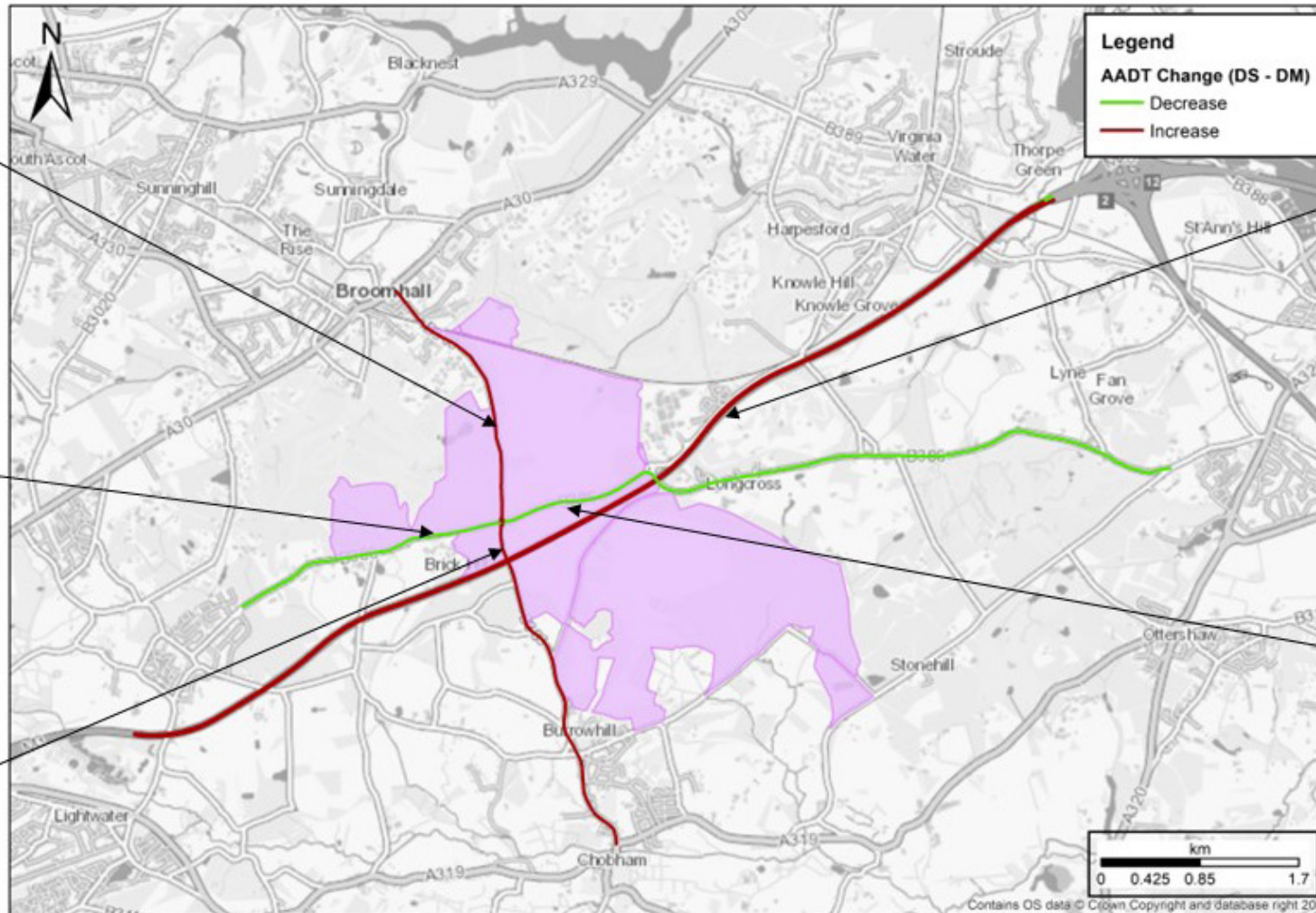
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**Legend**

Chobham Road	
DM	24,407
DMHRA	23,764
DS	24,414
Diff (Main)	7
Diff (Cumulative)	650

B386 (west)	
DM	9,426
DMHRA	8,501
DS	9,410
Diff (Main)	-16
Diff (Cumulative)	909

Windsor Road	
DM	21,771
DMHRA	23,593
DS	23,679
Diff (Main)	86
Diff (Cumulative)	1,908



M3	
DM	183,314
DMHRA	180,634
DS	183,803
Diff (Main)	489
Diff (Cumulative)	3,169

B386 (east)	
DM	18,172
DMHRA	17,087
DS	18,119
Diff (Main)	-53
Diff (Cumulative)	1,032

DOCUMENT  
**Environmental Statement**

DRAWING TITLE  
**Changes in AADT at Thursley, Ash, Pirbright & Chobham SAC in 2038**

DATE  
**July 2023**

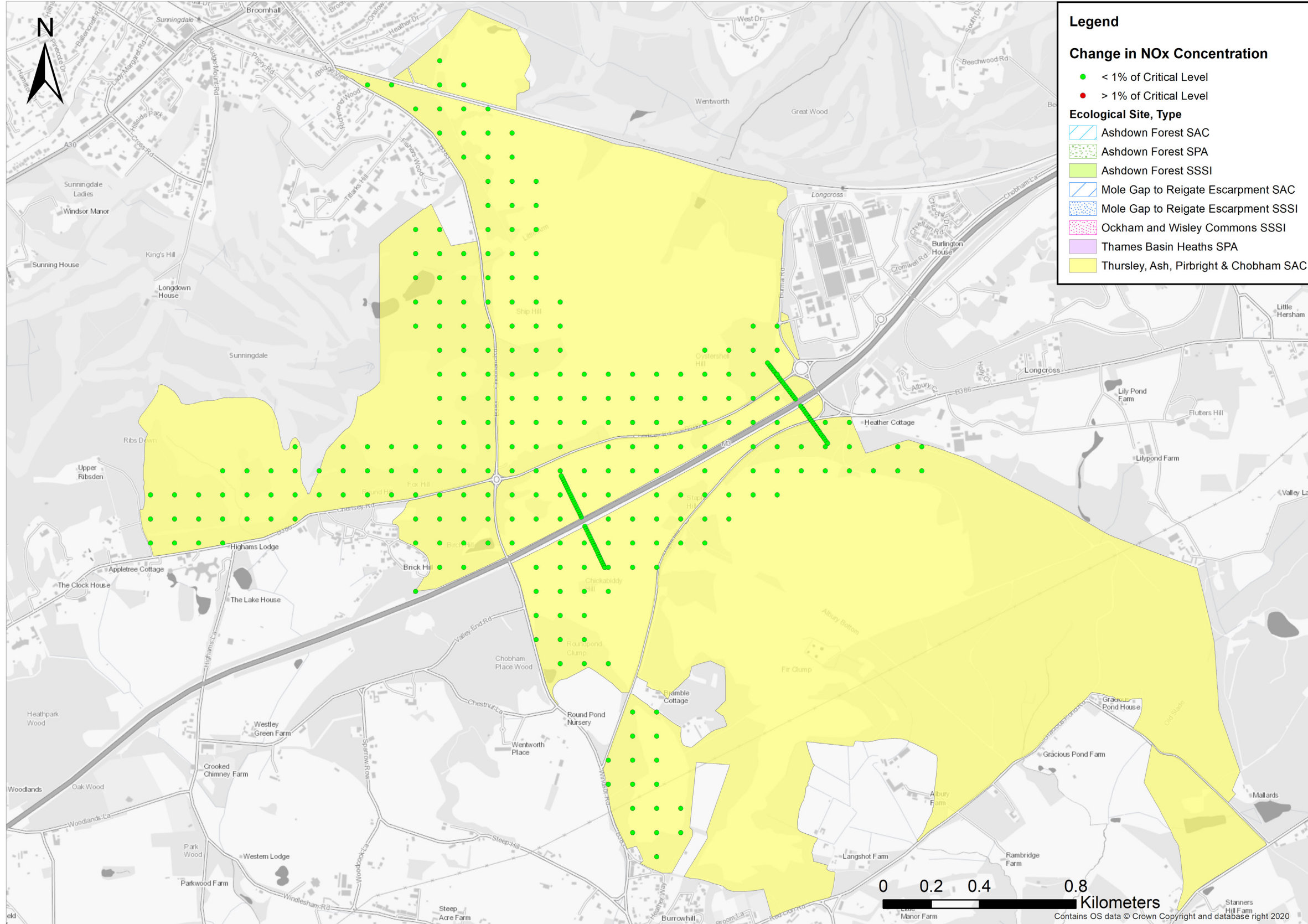
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**Legend**

**Change in NOx Concentration**

- < 1% of Critical Level
- > 1% of Critical Level

**Ecological Site, Type**

- ▨ Ashdown Forest SAC
- ▨ Ashdown Forest SPA
- ▨ Ashdown Forest SSSI
- ▨ Mole Gap to Reigate Escarpment SAC
- ▨ Mole Gap to Reigate Escarpment SSSI
- ▨ Ockham and Wisley Commons SSSI
- ▨ Thames Basin Heaths SPA
- ▨ Thursley, Ash, Pirbright & Chobham SAC

**Legend**

DOCUMENT		
Environmental Statement		
DRAWING TITLE		
Change in NOx in Chobham Common SSSI component of TAPC SAC & TBH SPA in 2038 Project Alone Scenario		
DATE		
July 2023		
ORIENTATION	DRAWING NO.	REVISION
	Figure 23	For ES Issue
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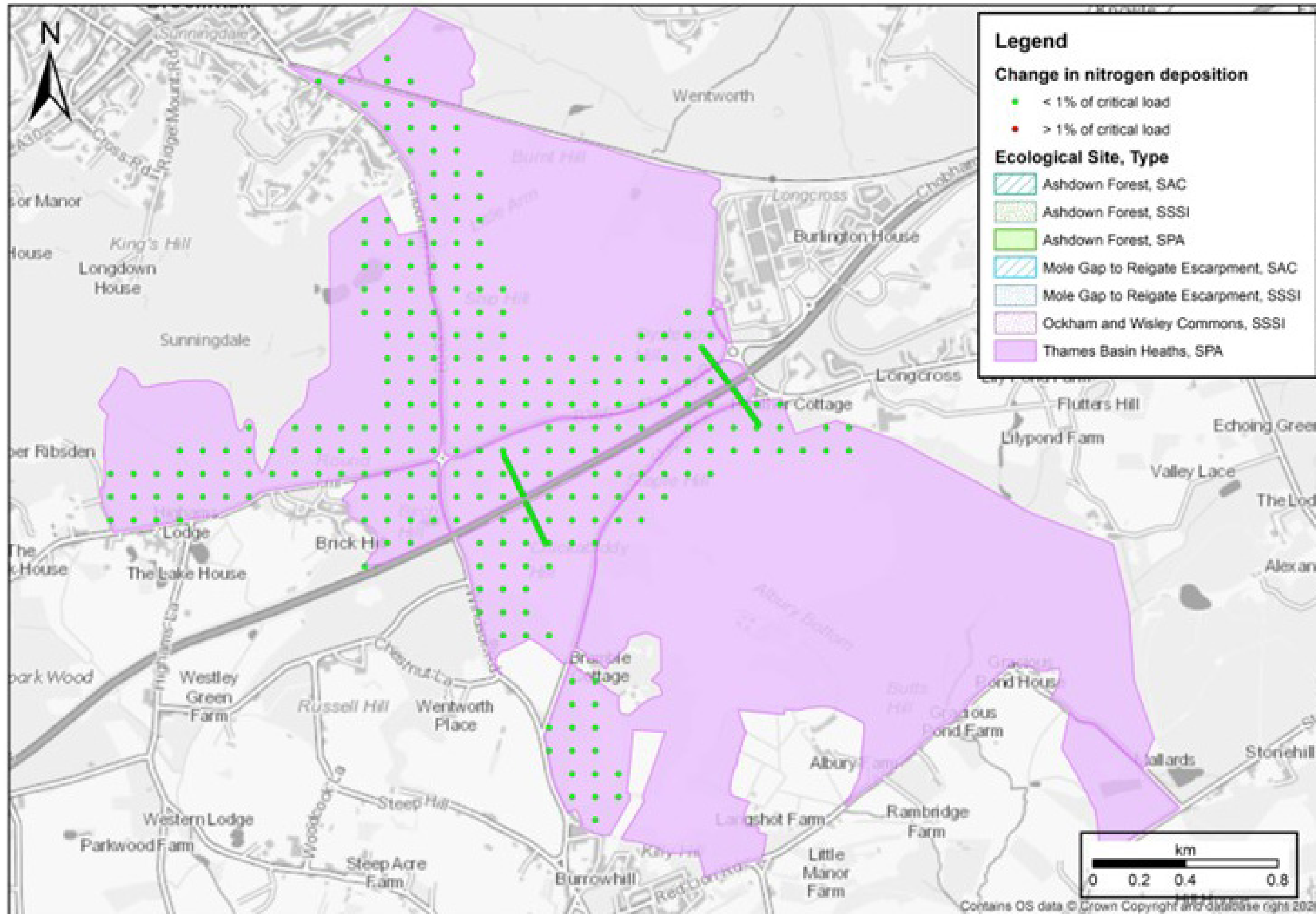
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Legend



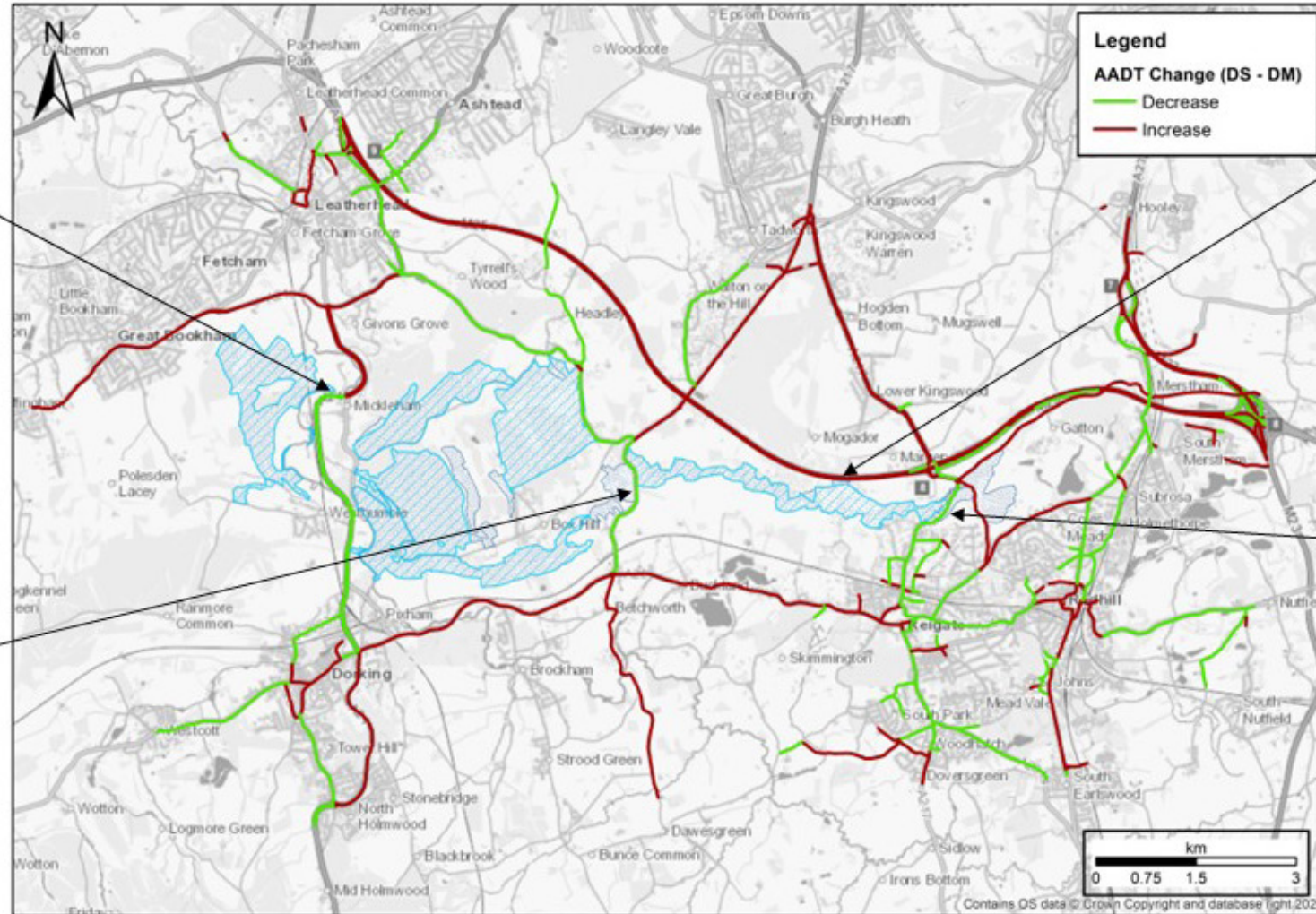
DOCUMENT		
Environmental Statement		
DRAWING TITLE		
Change in Nitrogen Deposition in Chobham Common SSSI component of TAPC SAC & TBH SPA in 2038 Project Alone Scenario		
DATE		
July 2023		
ORIENTATION	DRAWING NO.	REVISION
	Figure 25	For ES Issue
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**Legend**

**Legend**  
**AADT Change (DS - DM)**  
— Decrease  
— Increase



A24	
DM	31,753
DMHRA	30,525
DS	31,769
Diff (Main)	-4
Diff (Cumulative)	1,224

B2032	
DM	16,542
DMHRA	15,661
DS	16,459
Diff (Main)	-83
Diff (Cumulative)	798

M25	
DM	203,015
DMHRA	202,762
DS	205,489
Diff (Main)	2,474
Diff (Cumulative)	2,726

A217	
DM	26,419
DMHRA	24,075
DS	25,985
Diff (Main)	-433
Diff (Cumulative)	1,910

DOCUMENT  
**Environmental Statement**

DRAWING TITLE  
**Changes in AADT at Mole Gap to Reigate Escarpment SAC in 2038**

DATE  
**July 2023**

ORIENTATION	DRAWING NO.	REVISION
		<b>Figure 26</b>
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**Legend**

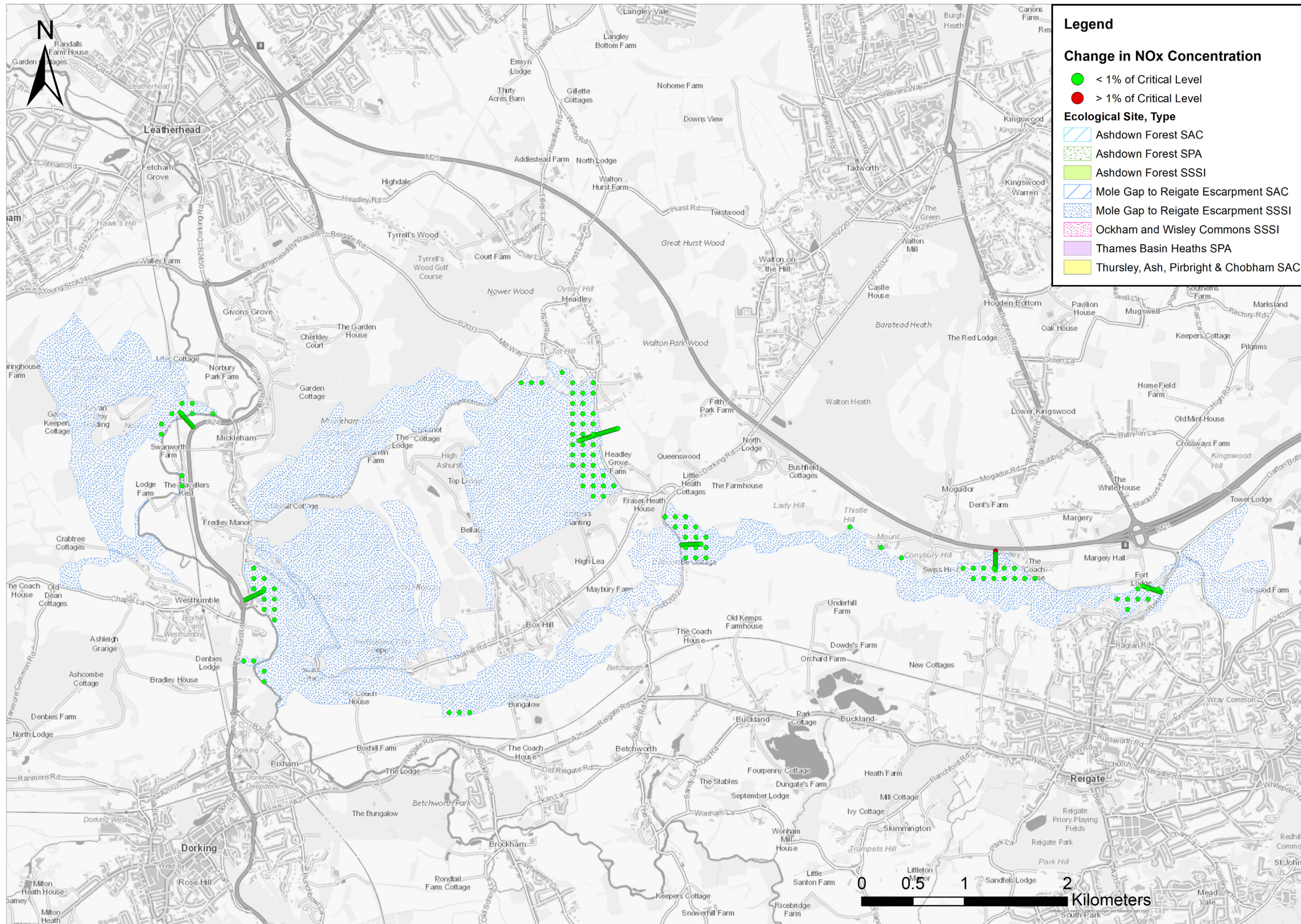
**Legend**

**Change in NOx Concentration**

- < 1% of Critical Level
- > 1% of Critical Level

**Ecological Site, Type**

- Ashdown Forest SAC
- Ashdown Forest SPA
- Ashdown Forest SSSI
- Mole Gap to Reigate Escarpment SAC
- Mole Gap to Reigate Escarpment SSSI
- Ockham and Wisley Commons SSSI
- Thames Basin Heaths SPA
- Thursley, Ash, Pirbright & Chobham SAC



DOCUMENT

**Environmental Statement**

DRAWING TITLE

**Changes in NOx concentrations at Mole Gap to Reigate Escarpment SAC in 2038 due to NRP alone**

DATE

July 2023

ORIENTATION



DRAWING NO.

Figure 27

REVISION

For ES Issue

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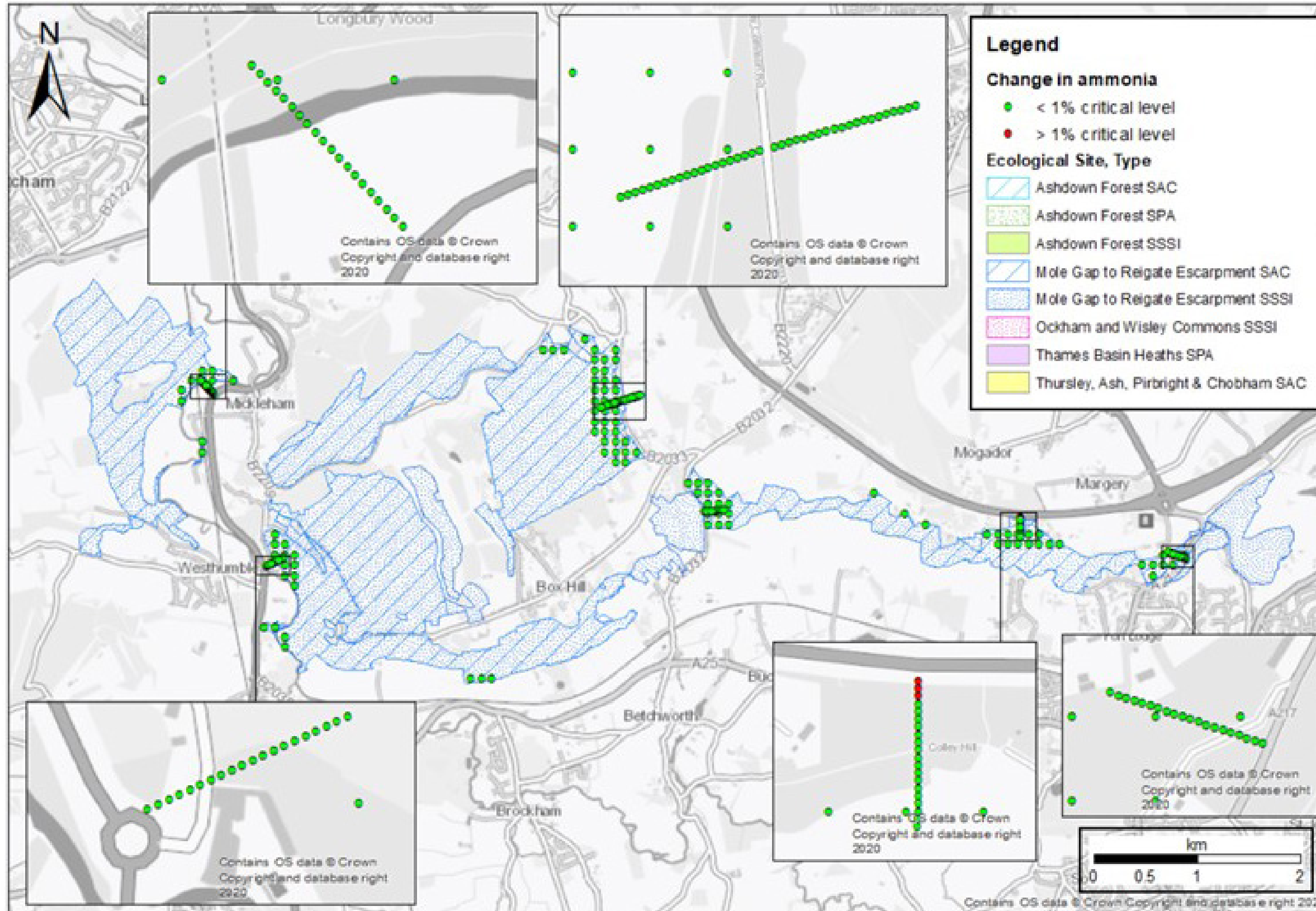
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**Legend**



DOCUMENT

Environmental Statement

DRAWING TITLE

Changes in NH<sub>3</sub> concentration at Mole Gap to Reigate Escarpment SAC in 2038 due to NRP alone

DATE

July 2023

ORIENTATION



DRAWING NO.

Figure 28

REVISION

For ES Issue

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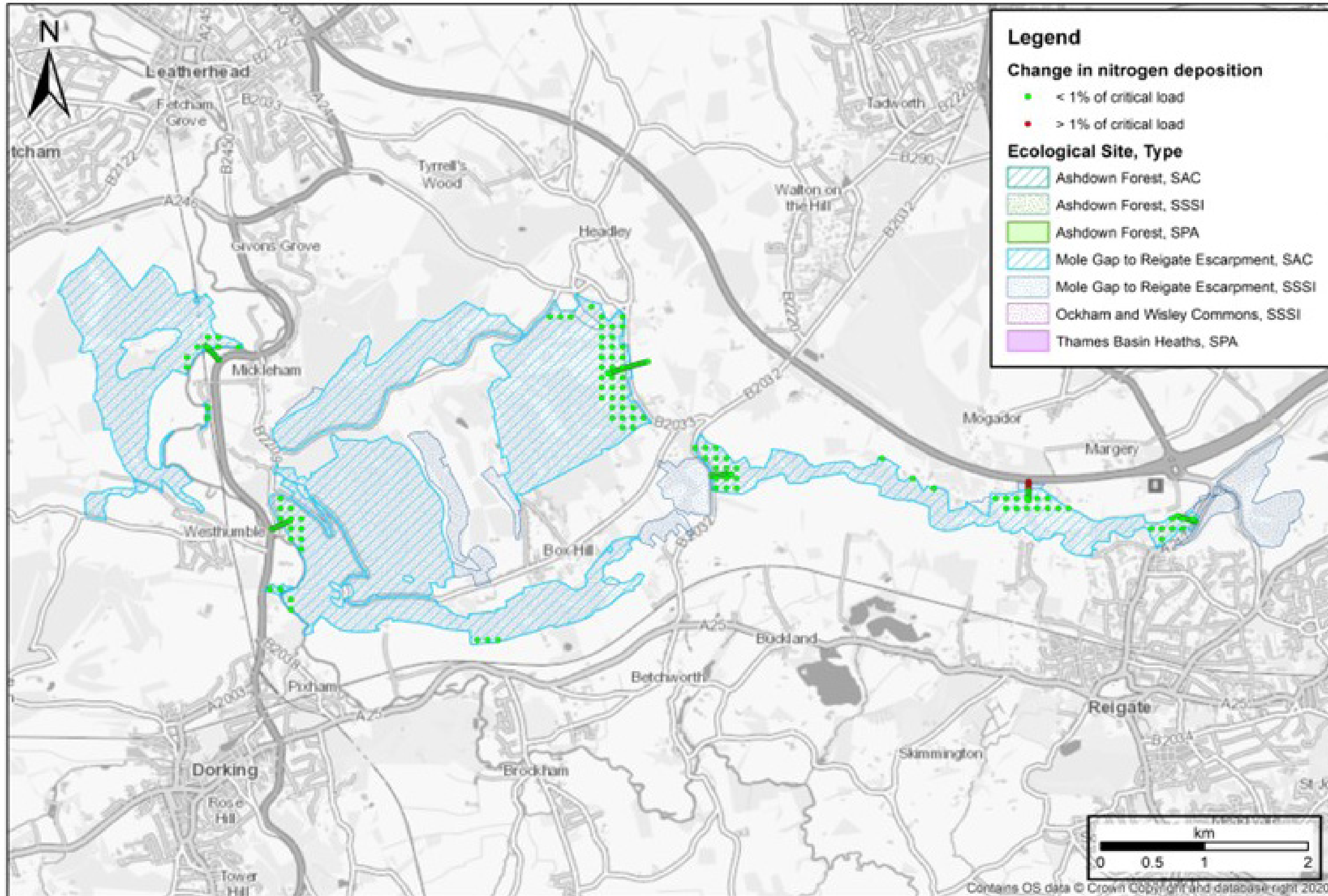
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Legend



DOCUMENT

Environmental Statement

DRAWING TITLE

Changes in nitrogen deposition at Mole Gap to Reigate Escarpment SAC in 2038 due to NRP alone

DATE

July 2023

ORIENTATION



DRAWING NO.

Figure 29

REVISION

For ES Issue

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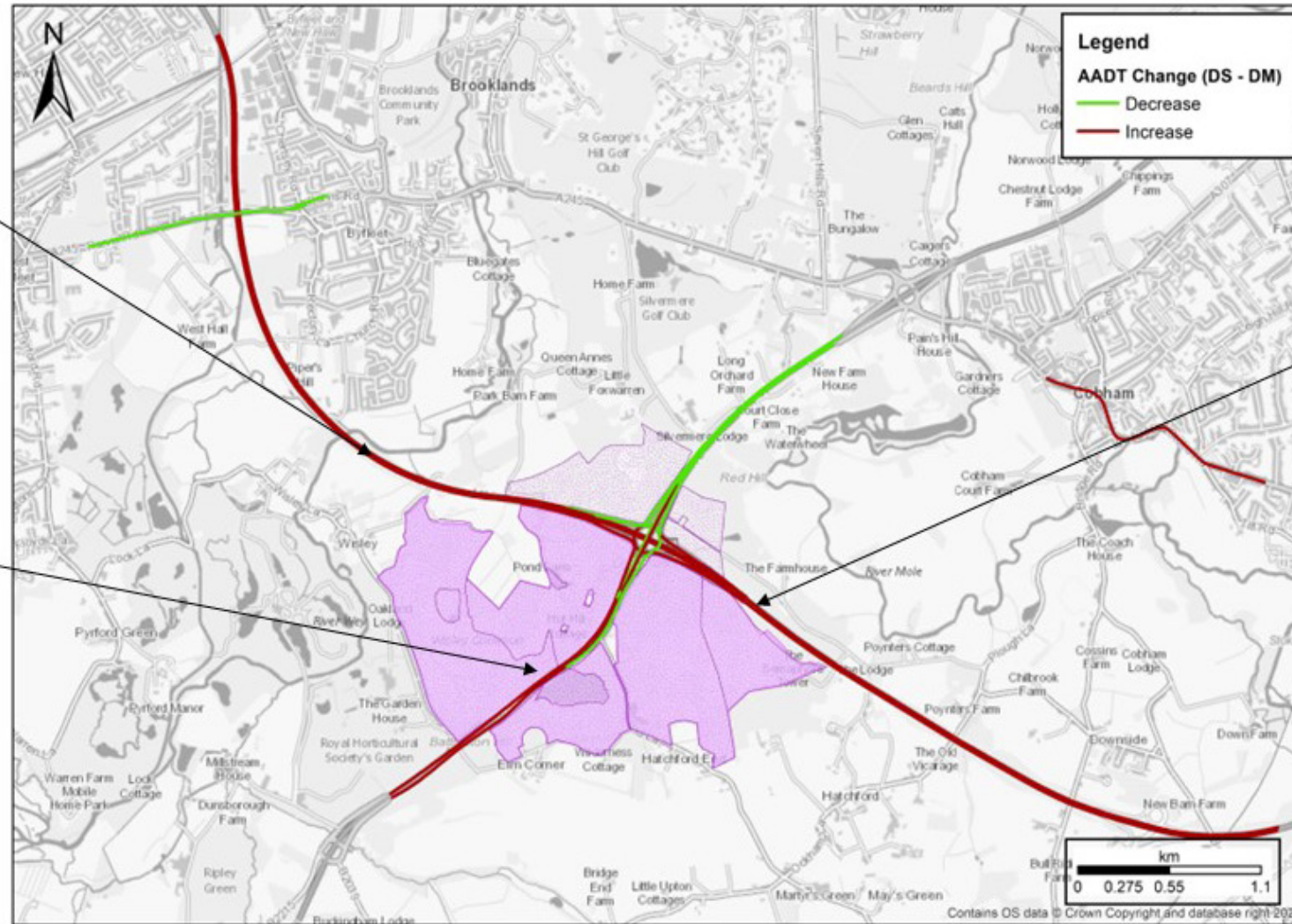
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**Legend**

**Legend**  
**AADT Change (DS - DM)**  
— Decrease  
— Increase



**M25 North of Junction 10**

DM	216,827
DMHRA	219,782
DS	217,848
Diff (Main)	1,021
Diff (Cumulative)	-1,934

**M25 South of Junction 10**

DM	205,342
DMHRA	205,346
DS	207,562
Diff (Main)	2,220
Diff (Cumulative)	2,216

**A3**

DM	120,209
DMHRA	116,099
DS	120,385
Diff (Main)	176
Diff (Cumulative)	4,286

DOCUMENT

Environmental Statement

DRAWING TITLE

Changes in AADT at Ockham & Wisley Common SSSI component of Thames Basin Heaths SPA in 2038

DATE

July 2023

ORIENTATION



DRAWING NO.

Figure 30

REVISION

For ES Issue

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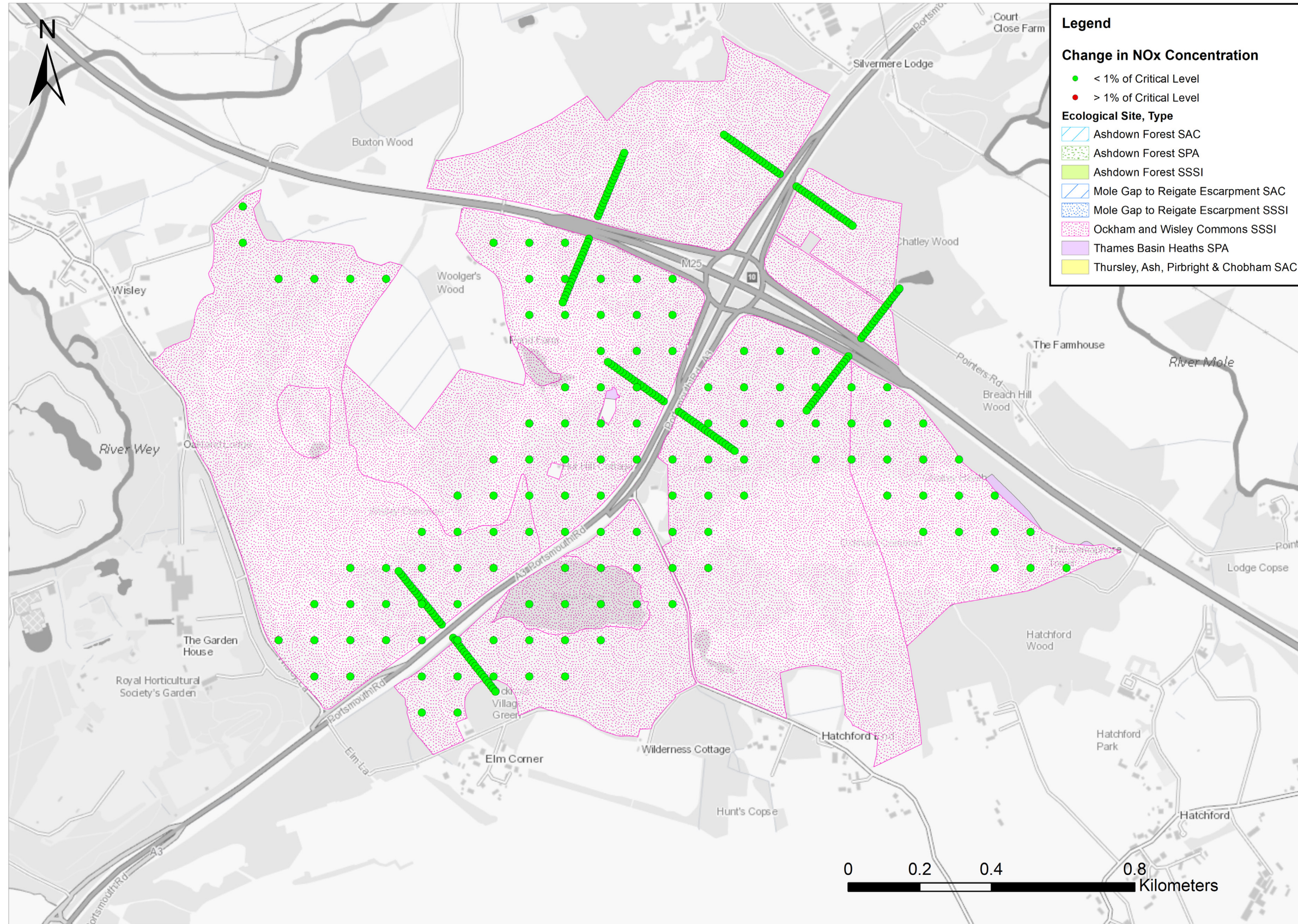
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**Legend**

**Change in NOx Concentration**

- < 1% of Critical Level
- > 1% of Critical Level

**Ecological Site, Type**

- ▨ Ashdown Forest SAC
- ▨ Ashdown Forest SPA
- ▨ Ashdown Forest SSSI
- ▨ Mole Gap to Reigate Escarpment SAC
- ▨ Mole Gap to Reigate Escarpment SSSI
- ▨ Ockham and Wisley Commons SSSI
- ▨ Thames Basin Heaths SPA
- ▨ Thursley, Ash, Pirbright & Chobham SAC

**Legend**

DOCUMENT		
Environmental Statement		
DRAWING TITLE		
Changes in NOx concentrations at Ockham & Wisley Common SSSI component of Thames Basin Heaths SPA in 2038 due to NRP alone		
DATE		
July 2023		
ORIENTATION	DRAWING NO.	REVISION
	Figure 31	For ES Issue
	DRAWN BY	PM / CHECKED BY

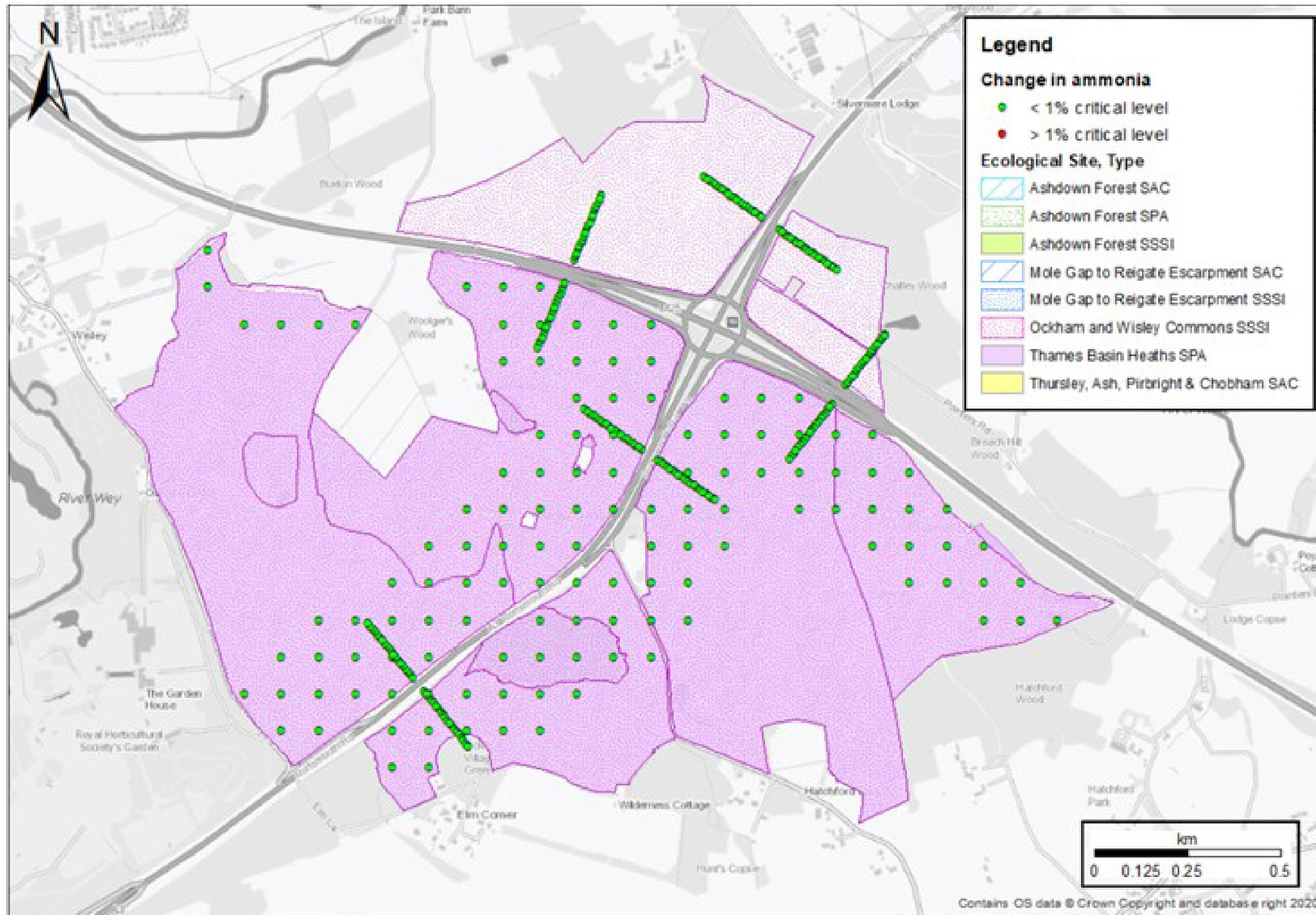
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Environmental Statement

DRAWING TITLE

Changes in NH3 concentration at Ockham & Wisley Common SSSI component of Thames Basin Heaths SPA in 2038 due to NRP alone

DATE

July 2023

ORIENTATION



DRAWING NO.

Figure 32

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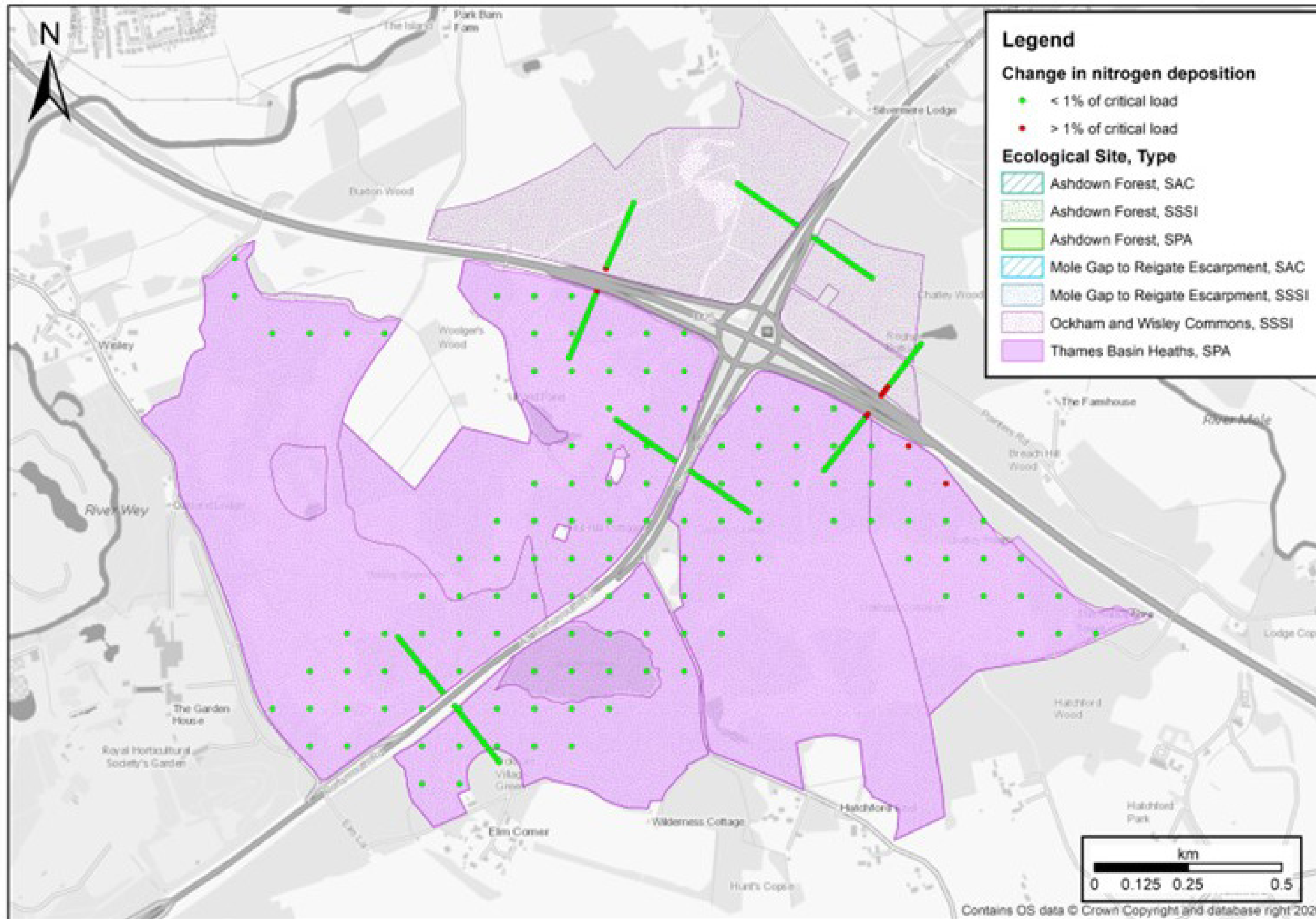
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Environmental Statement

DRAWING TITLE

Changes in nitrogen deposition at Ockham & Wisley Common SSSI component of Thames Basin Heaths SPA in 2038 due to NRP alone

DATE

July 2023

ORIENTATION



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Figure 33

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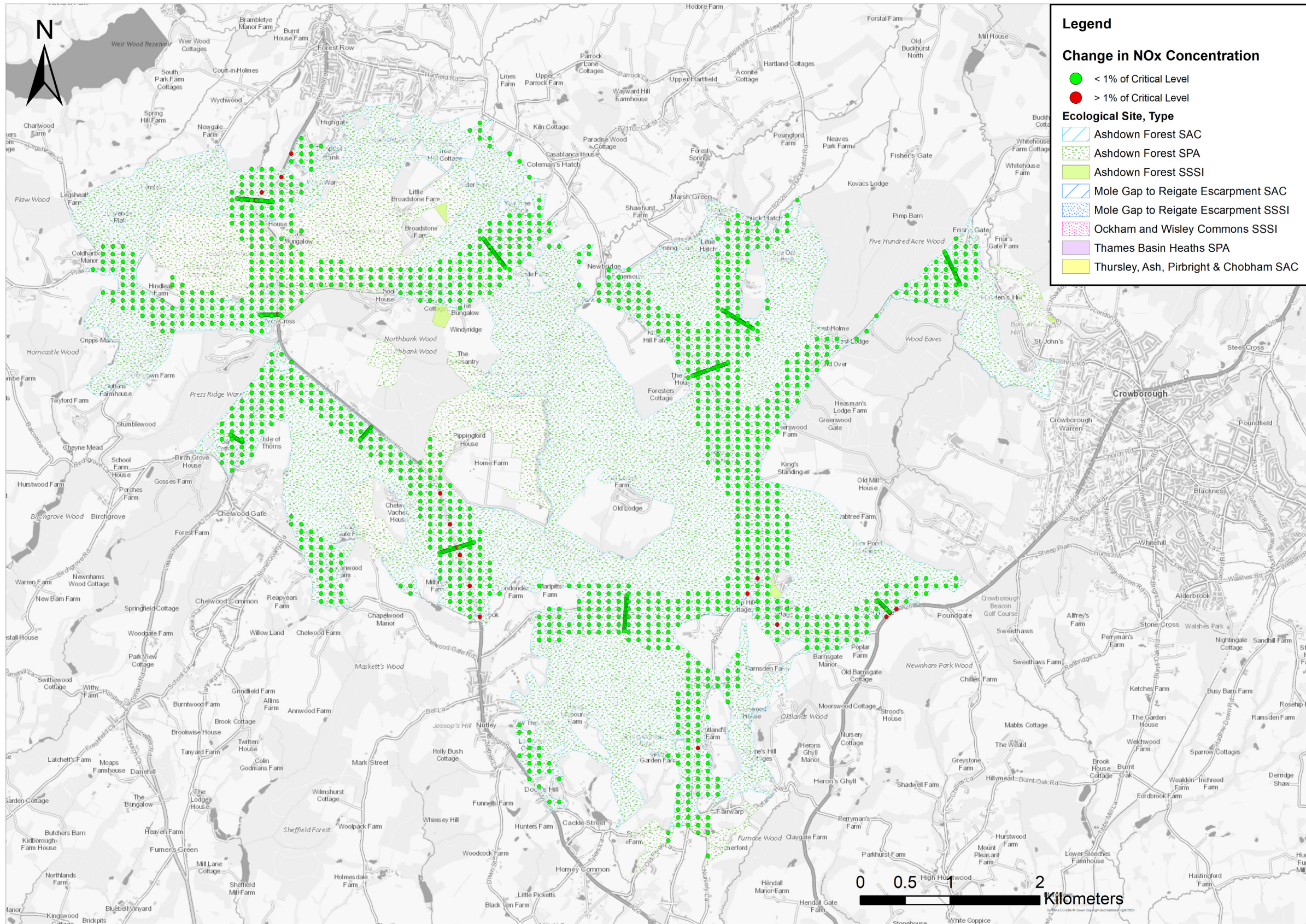
**Legend**

**Change in NOx Concentration**

- < 1% of Critical Level
- > 1% of Critical Level

**Ecological Site, Type**

- Ashdown Forest SAC
- Ashdown Forest SPA
- Ashdown Forest SSSI
- Mole Gap to Reigate Escarpment SAC
- Mole Gap to Reigate Escarpment SSSI
- Ockham and Wisley Commons SSSI
- Thames Basin Heaths SPA
- Thursley, Ash, Pirbright & Chobham SAC



DOCUMENT

**Environmental Statement**

DRAWING TITLE

**Changes in NOx at Ashdown Forest SAC/ SPA in 2032 cumulative scenario**

DATE

July 2023

ORIENTATION



DRAWING NO.

Figure 34

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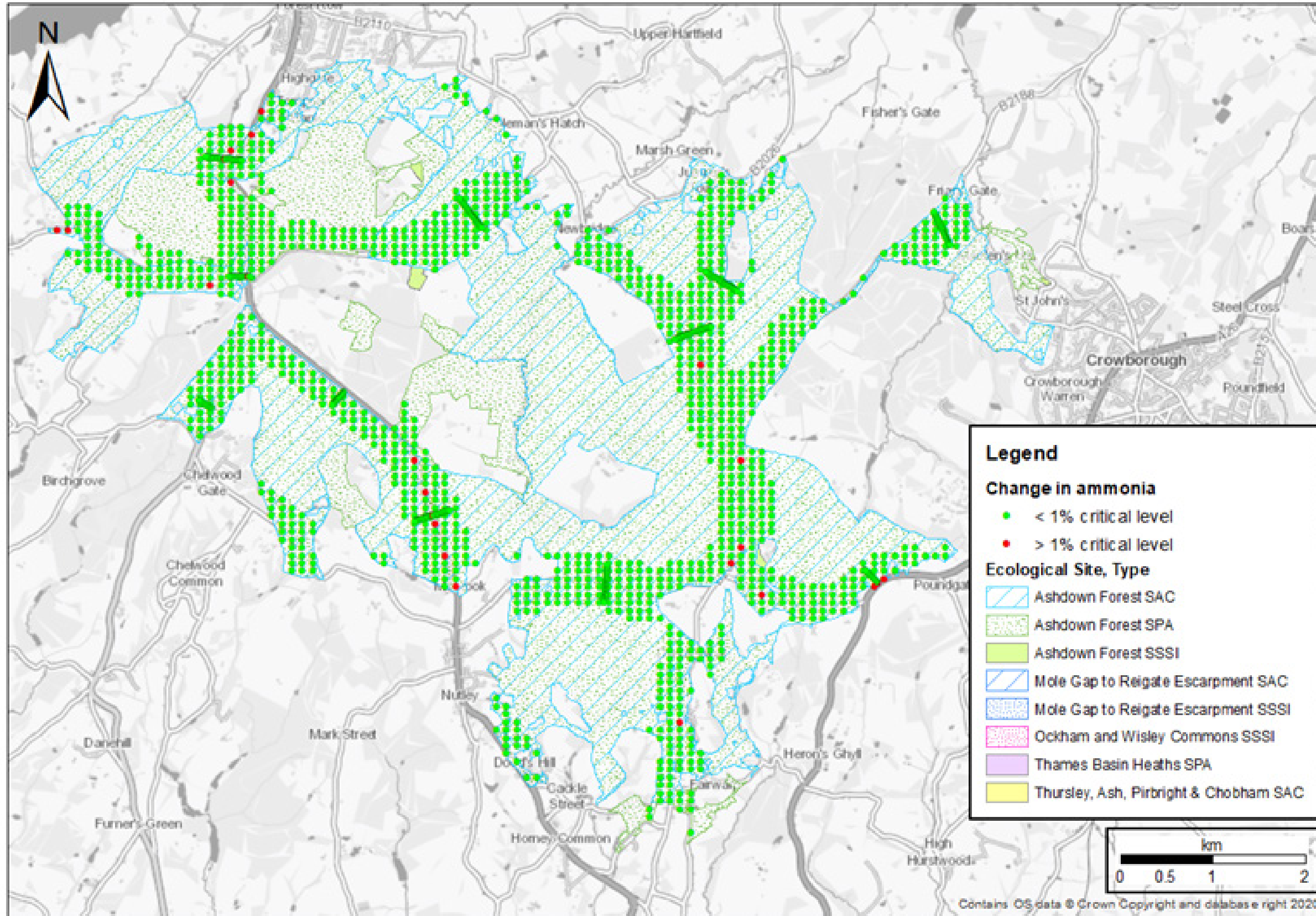
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DOCUMENT

Environmental Statement

DRAWING TITLE

Change in NH3 in Ashdown Forest SAC & SPA in 2032 Cumulative Scenario

DATE

July 2023

ORIENTATION



DRAWING NO.

Figure 35

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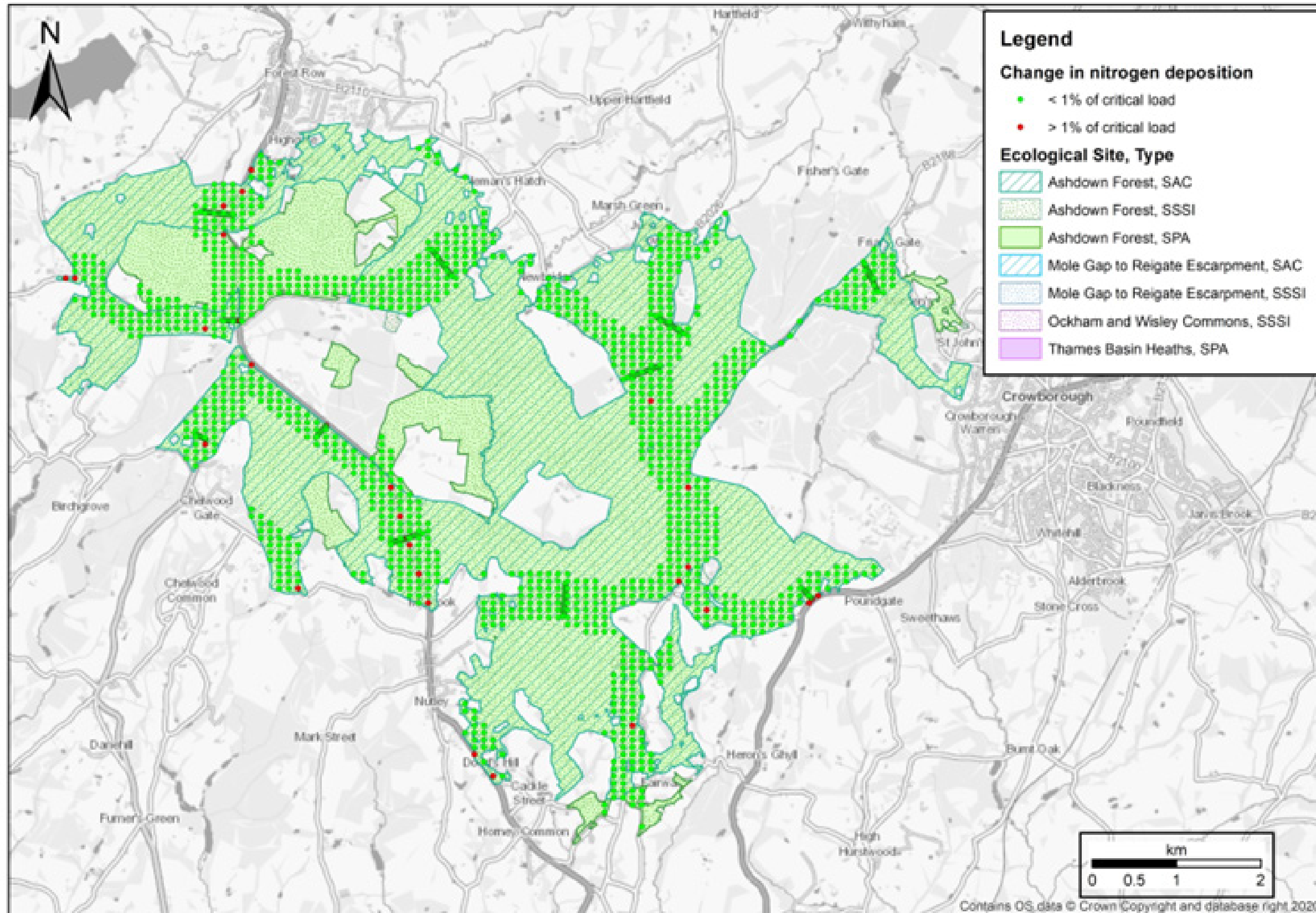
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DOCUMENT		
Environmental Statement		
DRAWING TITLE		
Change in Nitrogen Deposition in Ashdown Forest SAC & SPA in 2032 In combination Scenario		
DATE		
July 2023		
ORIENTATION	DRAWING NO.	REVISION
	Figure 36	For ES Issue
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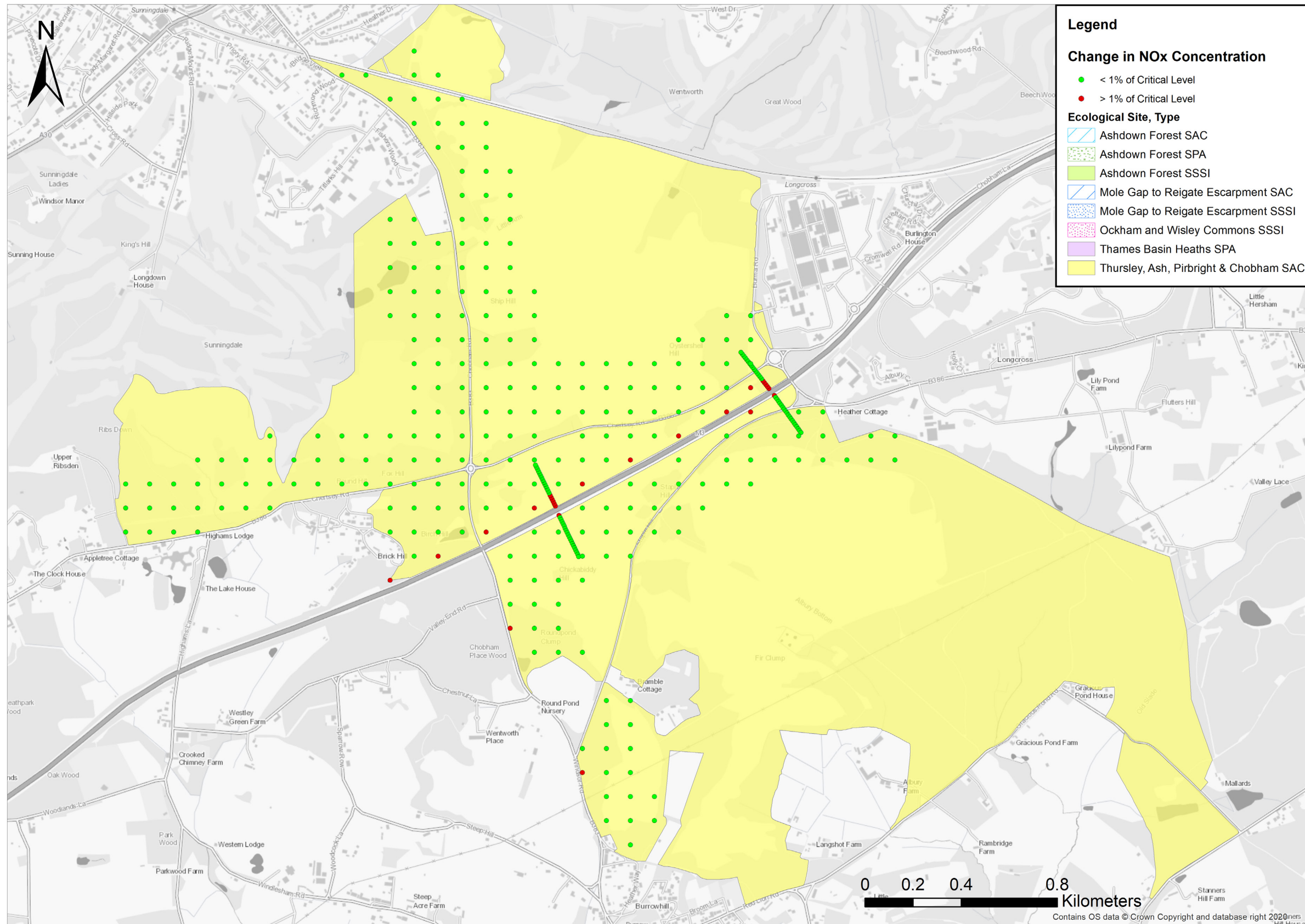
**Legend**

**Change in NOx Concentration**

- < 1% of Critical Level
- > 1% of Critical Level

**Ecological Site, Type**

- Ashdown Forest SAC
- Ashdown Forest SPA
- Ashdown Forest SSSI
- Mole Gap to Reigate Escarpment SAC
- Mole Gap to Reigate Escarpment SSSI
- Ockham and Wisley Commons SSSI
- Thames Basin Heaths SPA
- Thursley, Ash, Pirbright & Chobham SAC



DOCUMENT

Environmental Statement

DRAWING TITLE

Change in NOx in Chobham Common SSSI component of TAPC SAC & TBH SPA in 2032 Cumulative Scenario

DATE

July 2023

ORIENTATION



DRAWING NO.

Figure 37

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SCALE @ A3 NTS

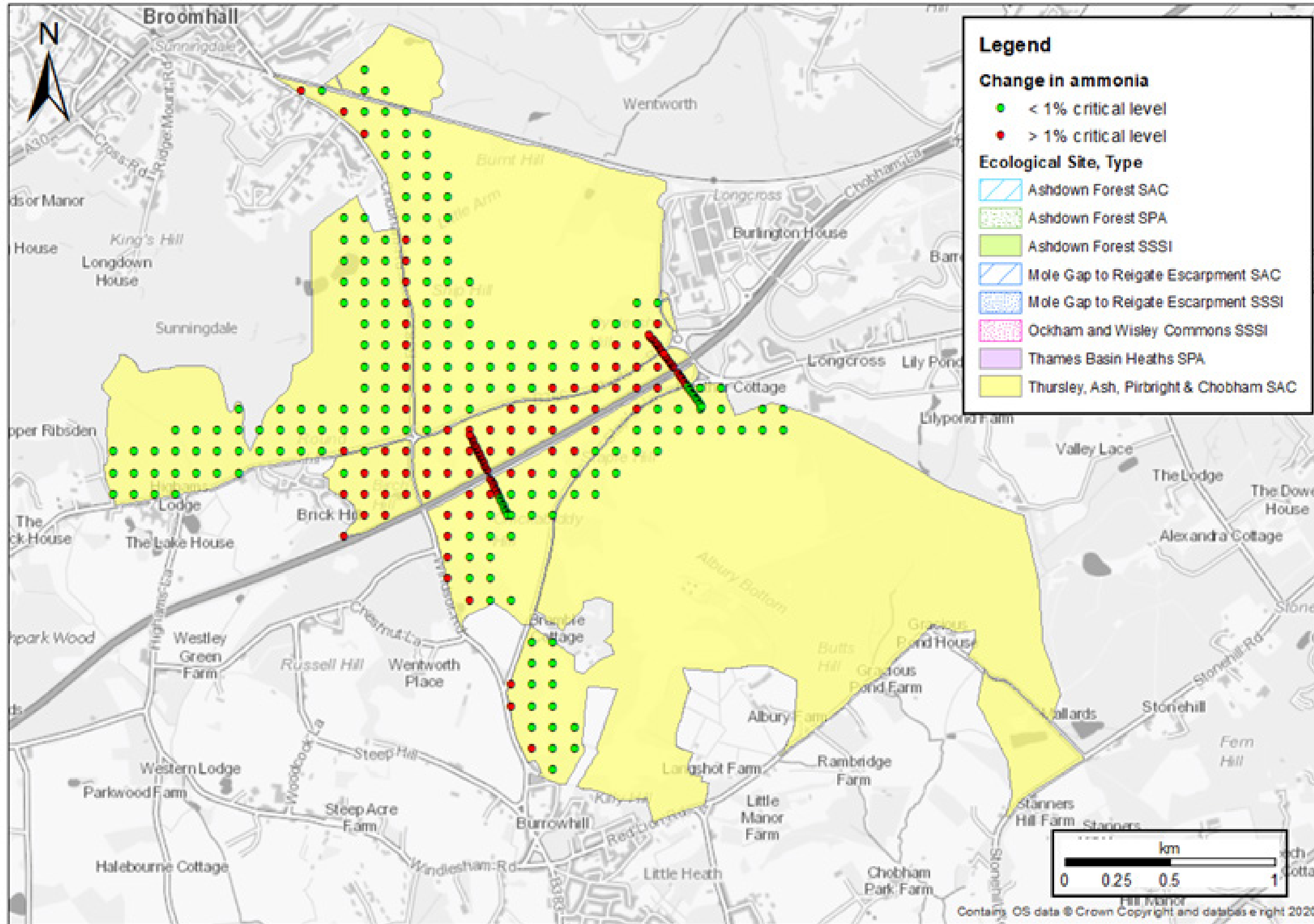
0 0.2 0.4 0.8 Kilometers

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**Legend**

DOCUMENT

Environmental Statement

DRAWING TITLE

Change in NH<sub>3</sub> in Chobham Common SSSI component of TAPC SAC & TBH SPA in 2032 Cumulative Scenario

DATE

July 2023

ORIENTATION



DRAWING NO.

Figure 38

REVISION

For ES Issue

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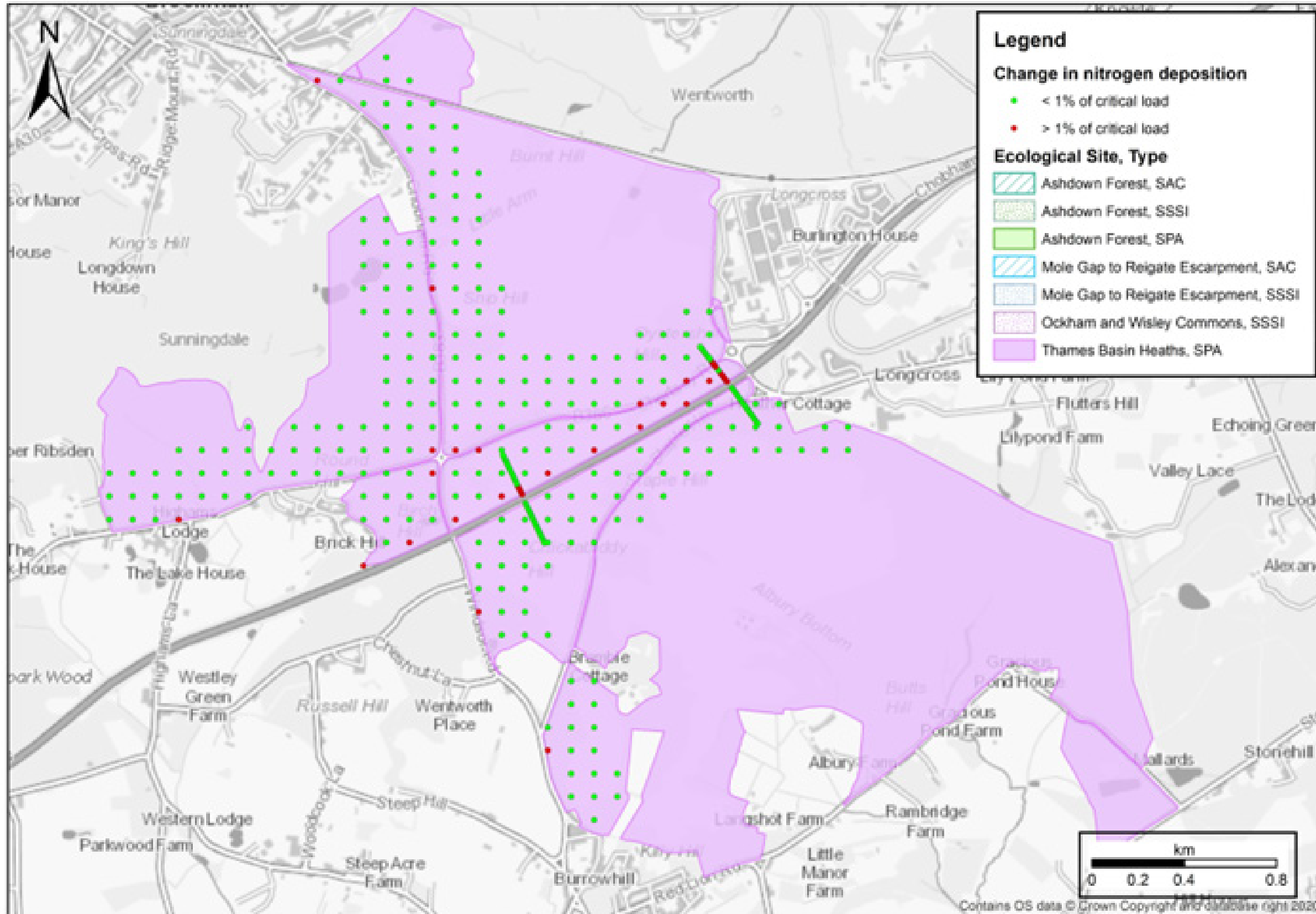
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**Legend**



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**Environmental Statement**

DRAWING TITLE  
**Change in Nitrogen Deposition in Chobham Common SSSI component of TAPC SAC & TBH SPA in 2032 Cumulative Scenario**

DATE  
**July 2023**

ORIENTATION	DRAWING NO.	REVISION
	Figure 39	For ES Issue
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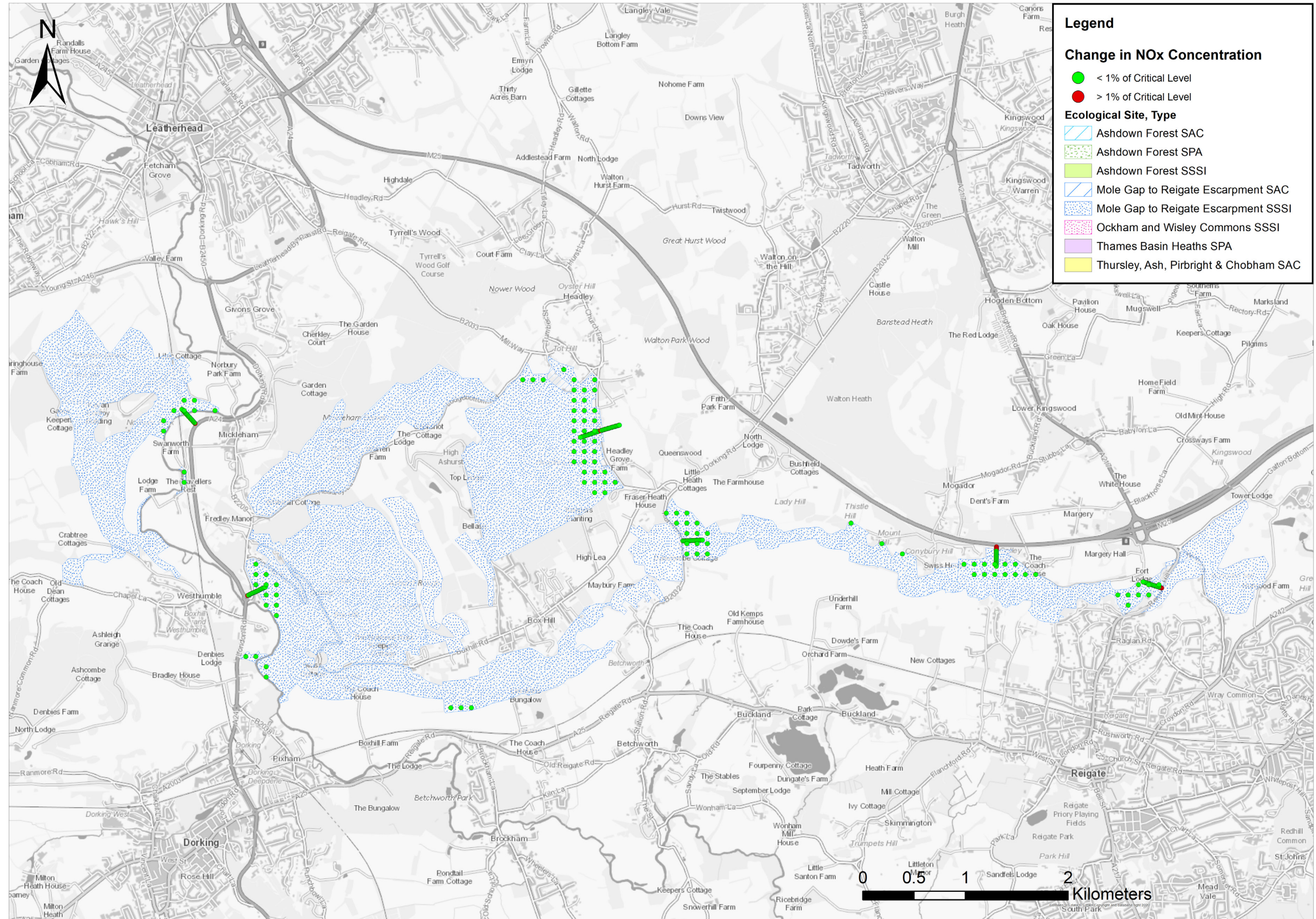
**Legend**

**Change in NOx Concentration**

- < 1% of Critical Level
- > 1% of Critical Level

**Ecological Site, Type**

- ▨ Ashdown Forest SAC
- ▨ Ashdown Forest SPA
- ▨ Ashdown Forest SSSI
- ▨ Mole Gap to Reigate Escarpment SAC
- ▨ Mole Gap to Reigate Escarpment SSSI
- ▨ Ockham and Wisley Commons SSSI
- ▨ Thames Basin Heaths SPA
- ▨ Thursley, Ash, Pirbright & Chobham SAC



DOCUMENT

**Environmental Statement**

DRAWING TITLE

**Changes in NOx concentrations at Mole Gap to Reigate Escarpment SAC in 2032 in Cumulative Scenario**

DATE

**July 2023**

ORIENTATION	DRAWING NO.	REVISION
	<b>Figure 40</b>	<b>For ES Issue</b>
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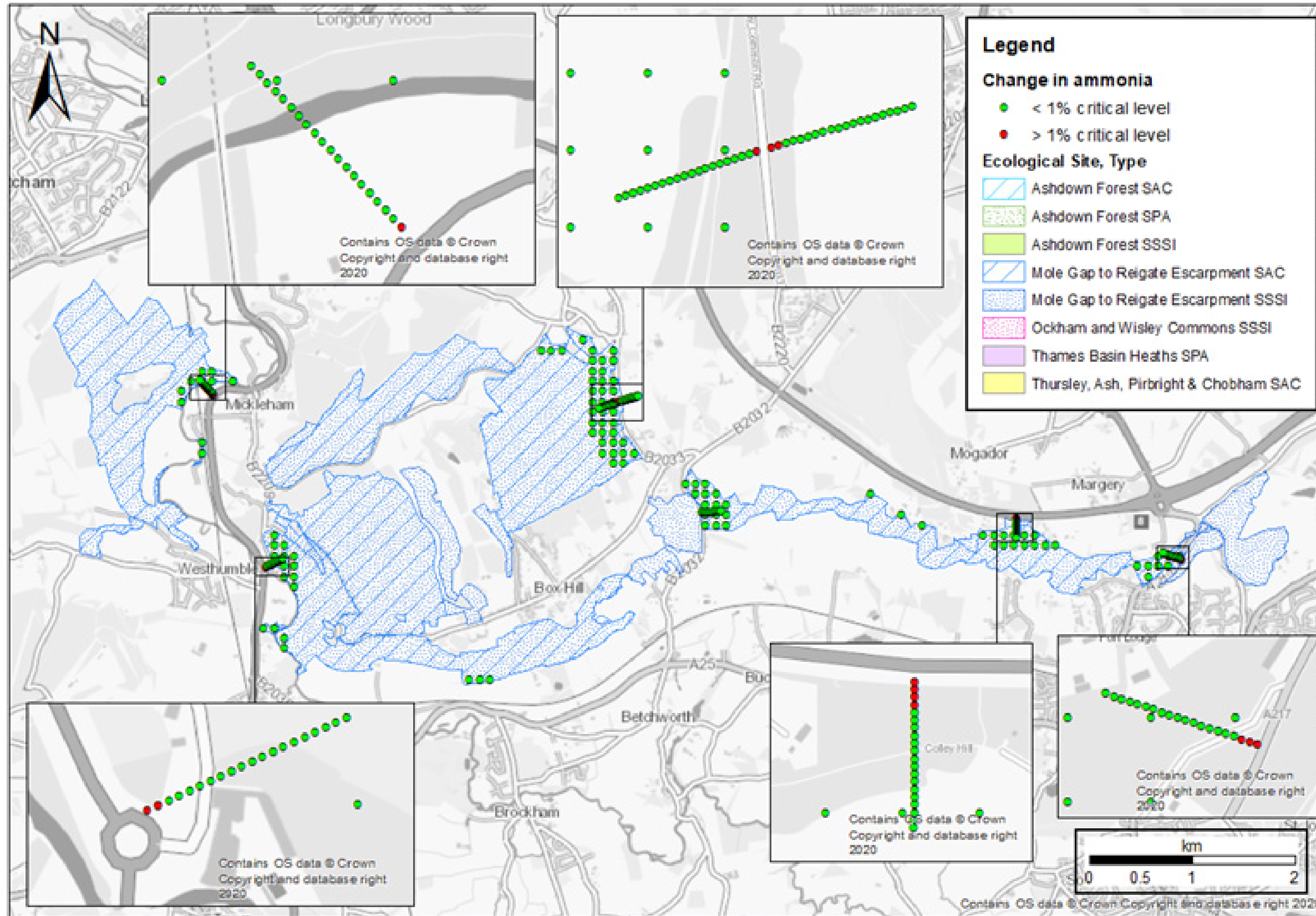
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Legend



DOCUMENT  
Environmental Statement

DRAWING TITLE  
Changes in NH3 concentration at Mole Gap to Reigate Escarpment SAC in 2032 in Cumulative Scenario

DATE  
July 2023

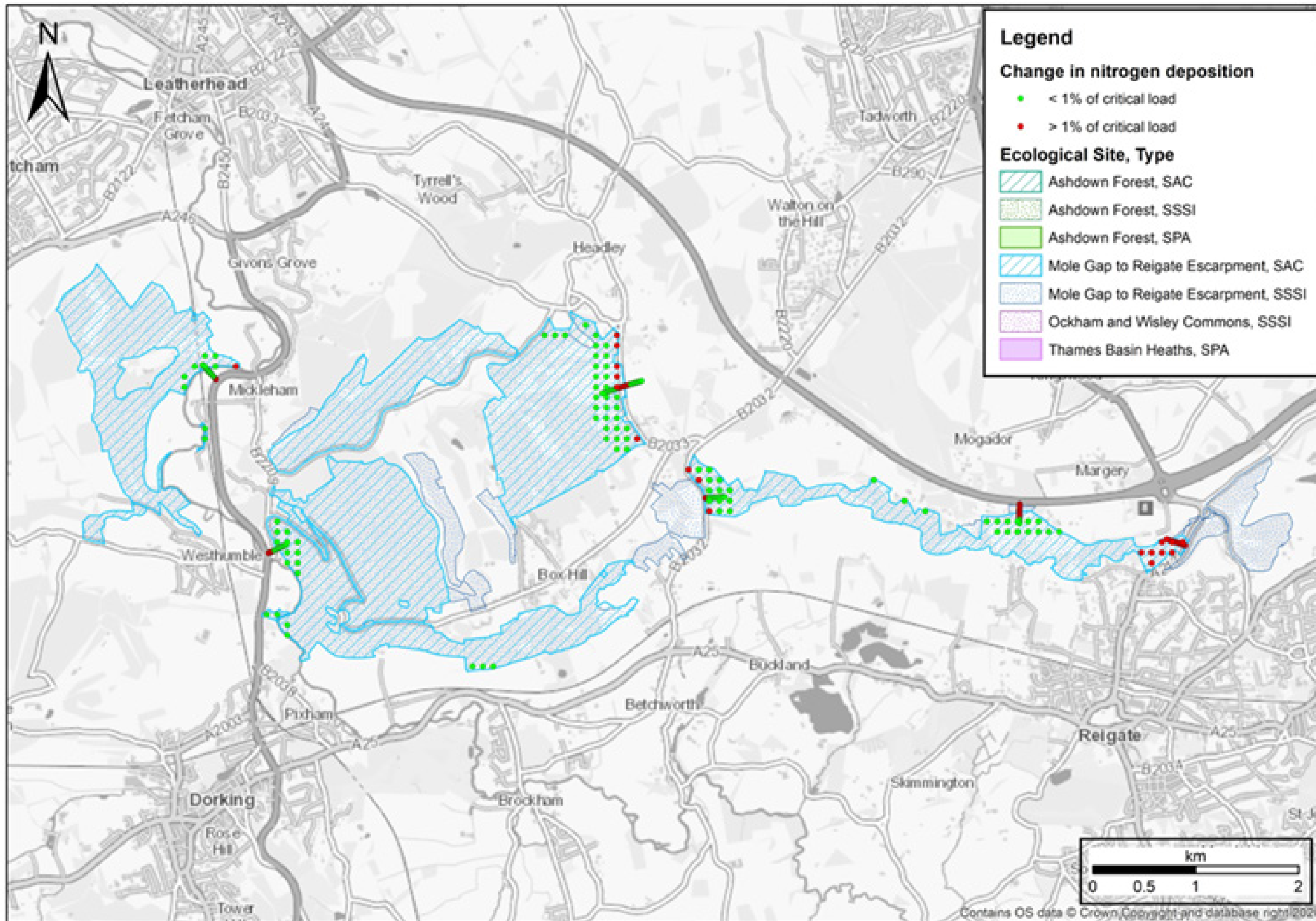
ORIENTATION 	DRAWING NO. Figure 41	REVISION For ES Issue
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**Legend**

**Legend**

**Change in nitrogen deposition**

- < 1% of critical load
- > 1% of critical load

**Ecological Site, Type**

- ▨ Ashdown Forest, SAC
- ▨ Ashdown Forest, SSSI
- ▨ Ashdown Forest, SPA
- ▨ Mole Gap to Reigate Escarpment, SAC
- ▨ Mole Gap to Reigate Escarpment, SSSI
- ▨ Ockham and Wisley Commons, SSSI
- ▨ Thames Basin Heaths, SPA

DOCUMENT

Environmental Statement

DRAWING TITLE

Changes in nitrogen deposition at Mole Gap to Reigate Escarpment SAC in 2032 in Cumulative Scenario

DATE

July 2023

ORIENTATION



DRAWING NO.

Figure 42

REVISION

For ES Issue

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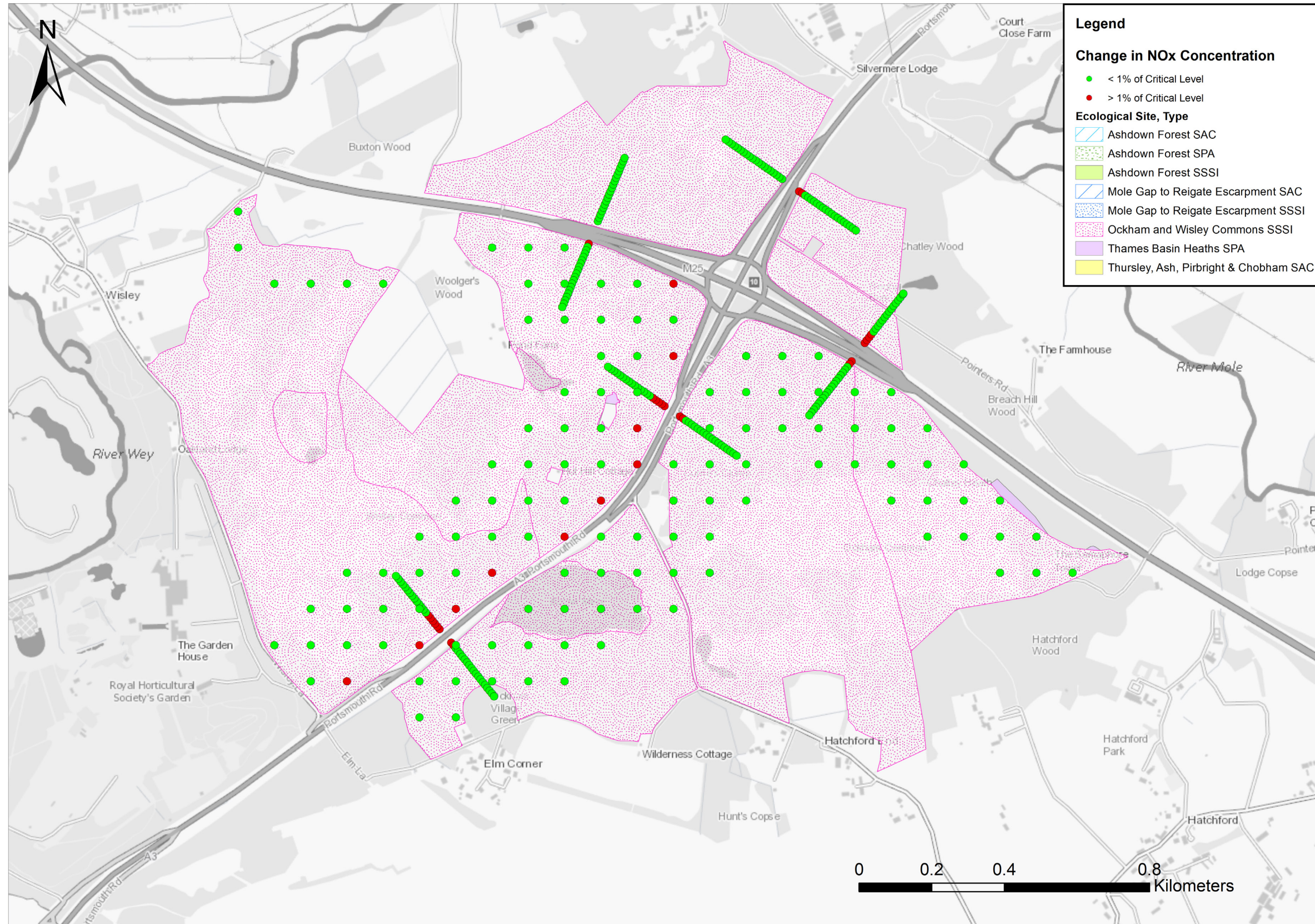
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**Legend**



**Legend**

**Change in NOx Concentration**

- < 1% of Critical Level
- > 1% of Critical Level


**Ecological Site, Type**

- ▨ Ashdown Forest SAC
- ▨ Ashdown Forest SPA
- ▨ Ashdown Forest SSSI
- ▨ Mole Gap to Reigate Escarpment SAC
- ▨ Mole Gap to Reigate Escarpment SSSI
- ▨ Ockham and Wisley Commons SSSI
- ▨ Thames Basin Heaths SPA
- ▨ Thursley, Ash, Pirbright & Chobham SAC

DOCUMENT  
**Environmental Statement**

DRAWING TITLE  
**Changes in NOx concentrations at Ockham & Wisley Common SSSI component of Thames Basin Heaths SPA in 2032 in Cumulative Scenario**

DATE  
**July 2023**

ORIENTATION 	DRAWING NO. <b>Figure 43</b>	REVISION <b>For ES Issue</b>
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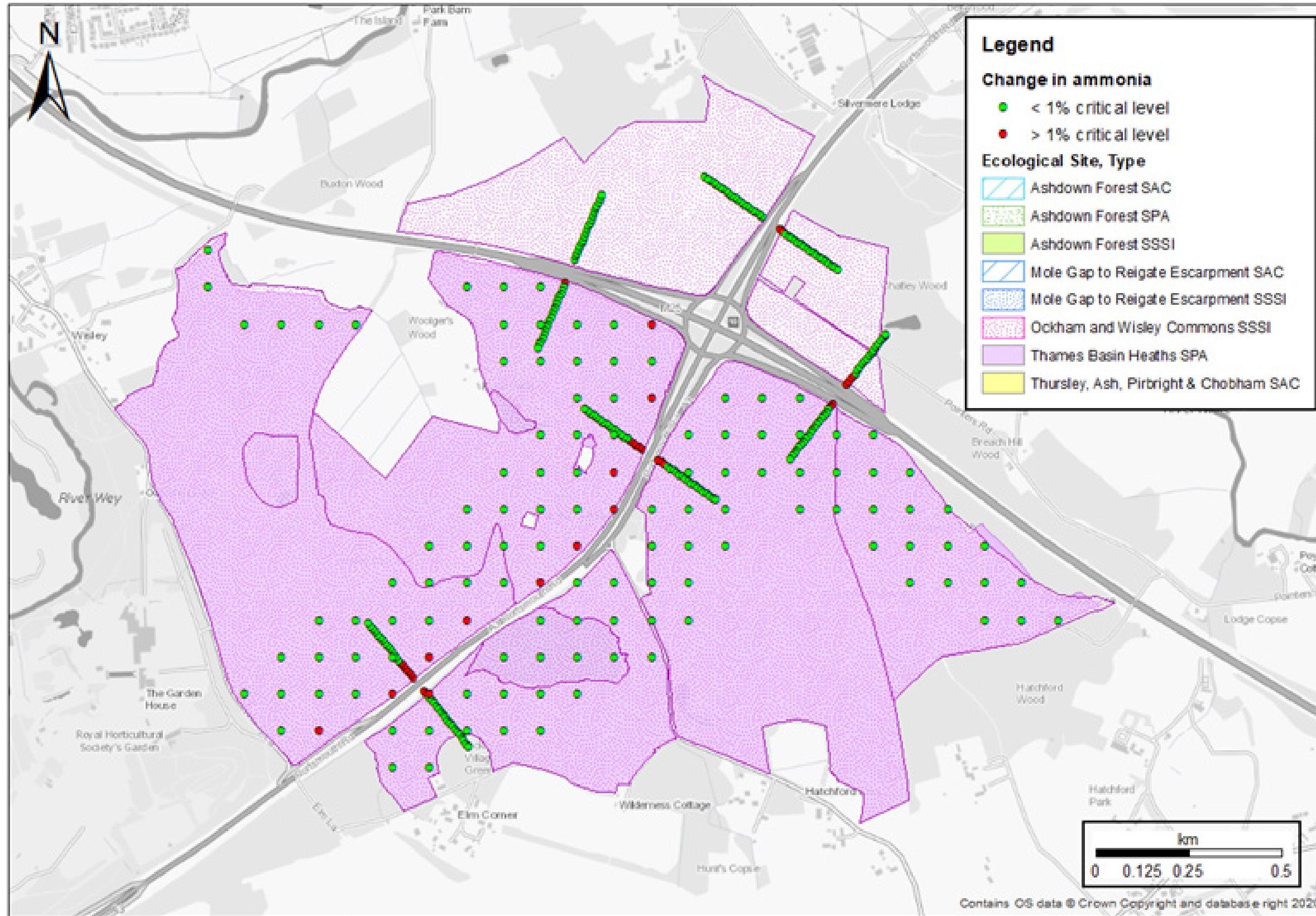
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**Legend**




**Legend**

**Change in ammonia**

- < 1% critical level
- > 1% critical level

**Ecological Site, Type**

- ▨ Ashdown Forest SAC
- ▨ Ashdown Forest SPA
- ▨ Ashdown Forest SSSI
- ▨ Mole Gap to Reigate Escarpment SAC
- ▨ Mole Gap to Reigate Escarpment SSSI
- ▨ Ockham and Wisley Commons SSSI
- ▨ Thames Basin Heaths SPA
- ▨ Thursley, Ash, Pirbright & Chobham SAC

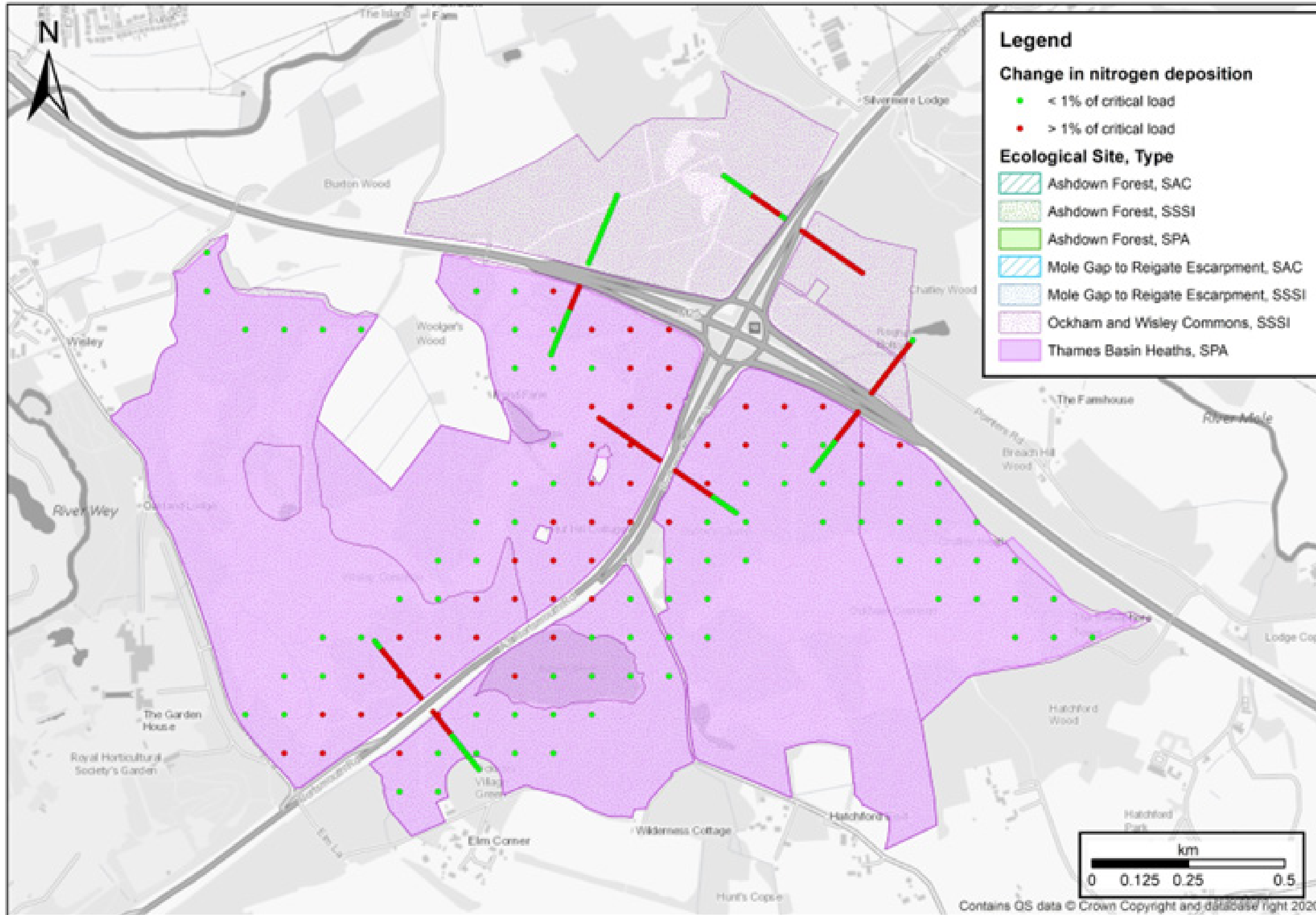
DOCUMENT		
Environmental Statement		
DRAWING TITLE		
Changes in NH3 concentration at Ockham & Wisley Common SSSI component of Thames Basin Heaths SPA in 2032 in Cumulative Scenario		
DATE		
July 2023		
ORIENTATION	DRAWING NO.	REVISION
	Figure 44	For ES Issue
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**Legend**



**Legend**

**Change in nitrogen deposition**

- <math>< 1\%</math> of critical load
- > 1% of critical load

**Ecological Site, Type**

- ▨ Ashdown Forest, SAC
- ▨ Ashdown Forest, SSSI
- ▨ Ashdown Forest, SPA
- ▨ Mole Gap to Reigate Escarpment, SAC
- ▨ Mole Gap to Reigate Escarpment, SSSI
- ▨ Ockham and Wisley Commons, SSSI
- ▨ Thames Basin Heaths, SPA

DOCUMENT		
Environmental Statement		
DRAWING TITLE		
Changes in nitrogen deposition Ockham & Wisley Common SSSI component of Thames Basin Heaths SPA in 2032 in Cumulative Scenario		
DATE		
July 2023		
ORIENTATION	DRAWING NO.	REVISION
	Figure 45	For ES Issue
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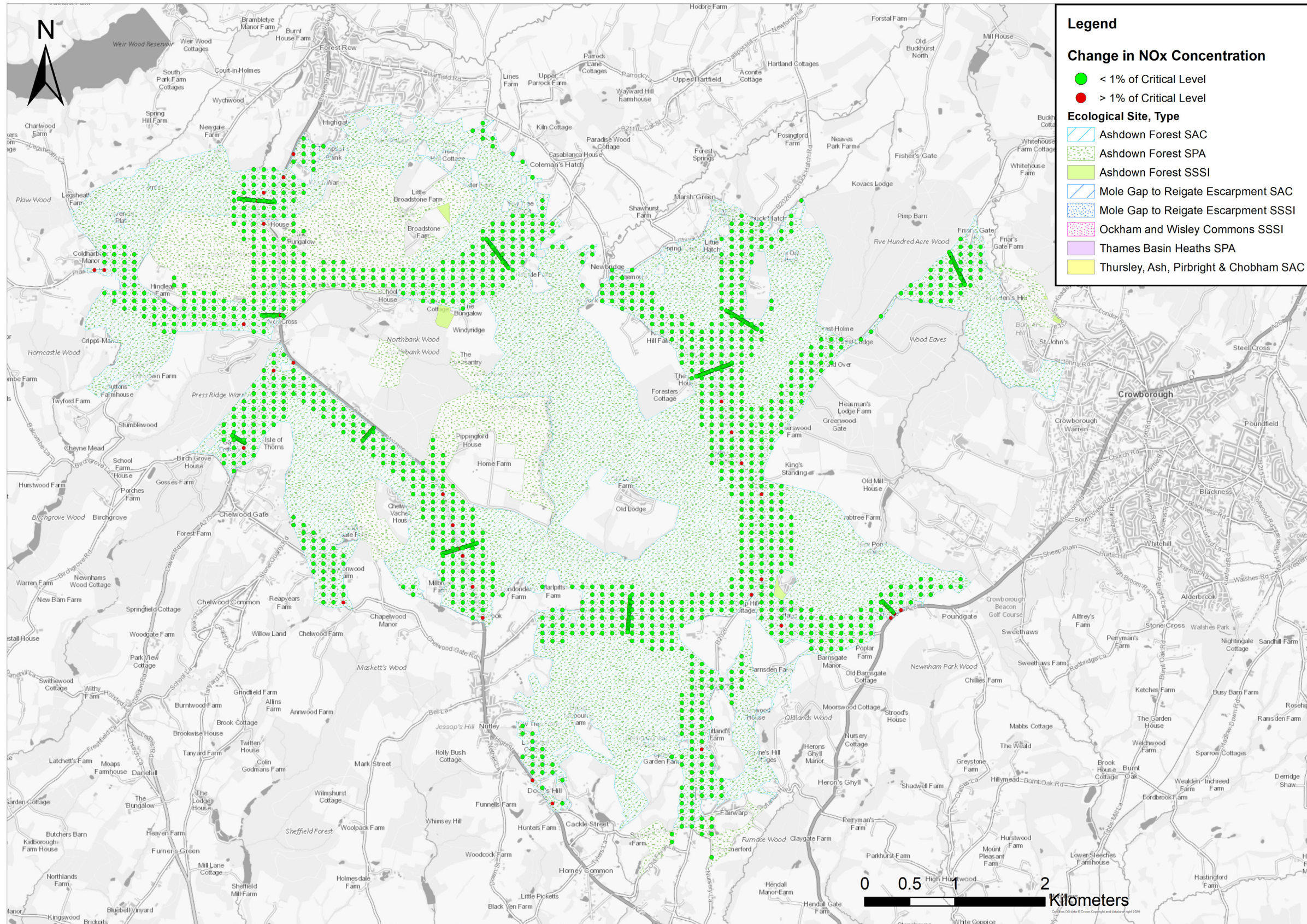
**Legend**

**Change in NOx Concentration**

- < 1% of Critical Level
- > 1% of Critical Level

**Ecological Site, Type**

- Ashdown Forest SAC
- Ashdown Forest SPA
- Ashdown Forest SSSI
- Mole Gap to Reigate Escarpment SAC
- Mole Gap to Reigate Escarpment SSSI
- Ockham and Wisley Commons SSSI
- Thames Basin Heaths SPA
- Thursley, Ash, Pirbright & Chobham SAC



DOCUMENT

**Environmental Statement**

DRAWING TITLE

**Changes in NOx at Ashdown Forest SAC/SPA in 2038 cumulative scenario**

DATE

**July 2023**

ORIENTATION



DRAWING NO.

**Figure 46**

REVISION

**For ES Issue**

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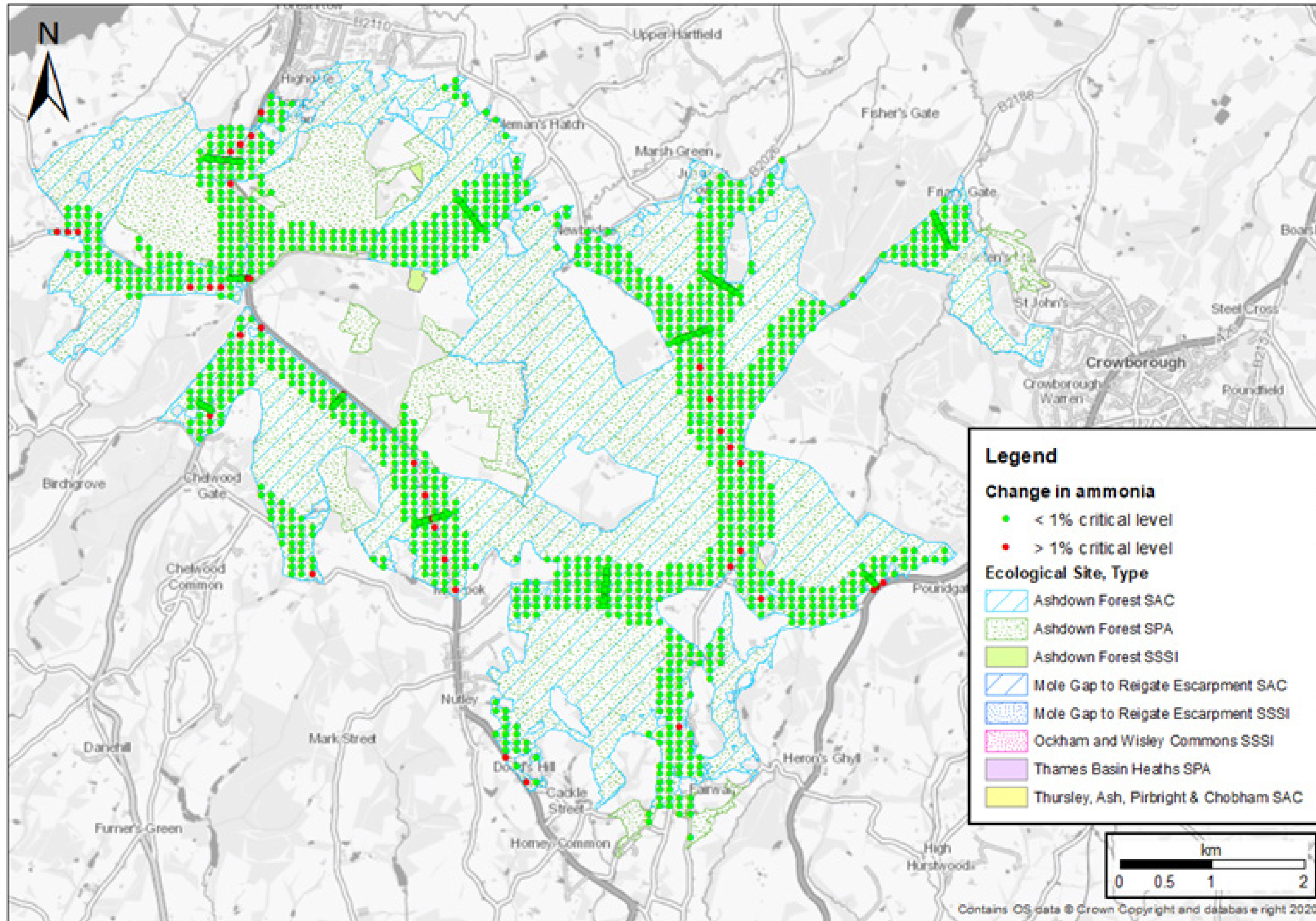
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**Legend**



DOCUMENT

Environmental Statement

DRAWING TITLE

Change NH3 in Ashdown Forest SAC & SPA in 2038 Cumulative Scenario

DATE

July 2023

ORIENTATION



DRAWING NO.

Figure 47

REVISION

For ES Issue

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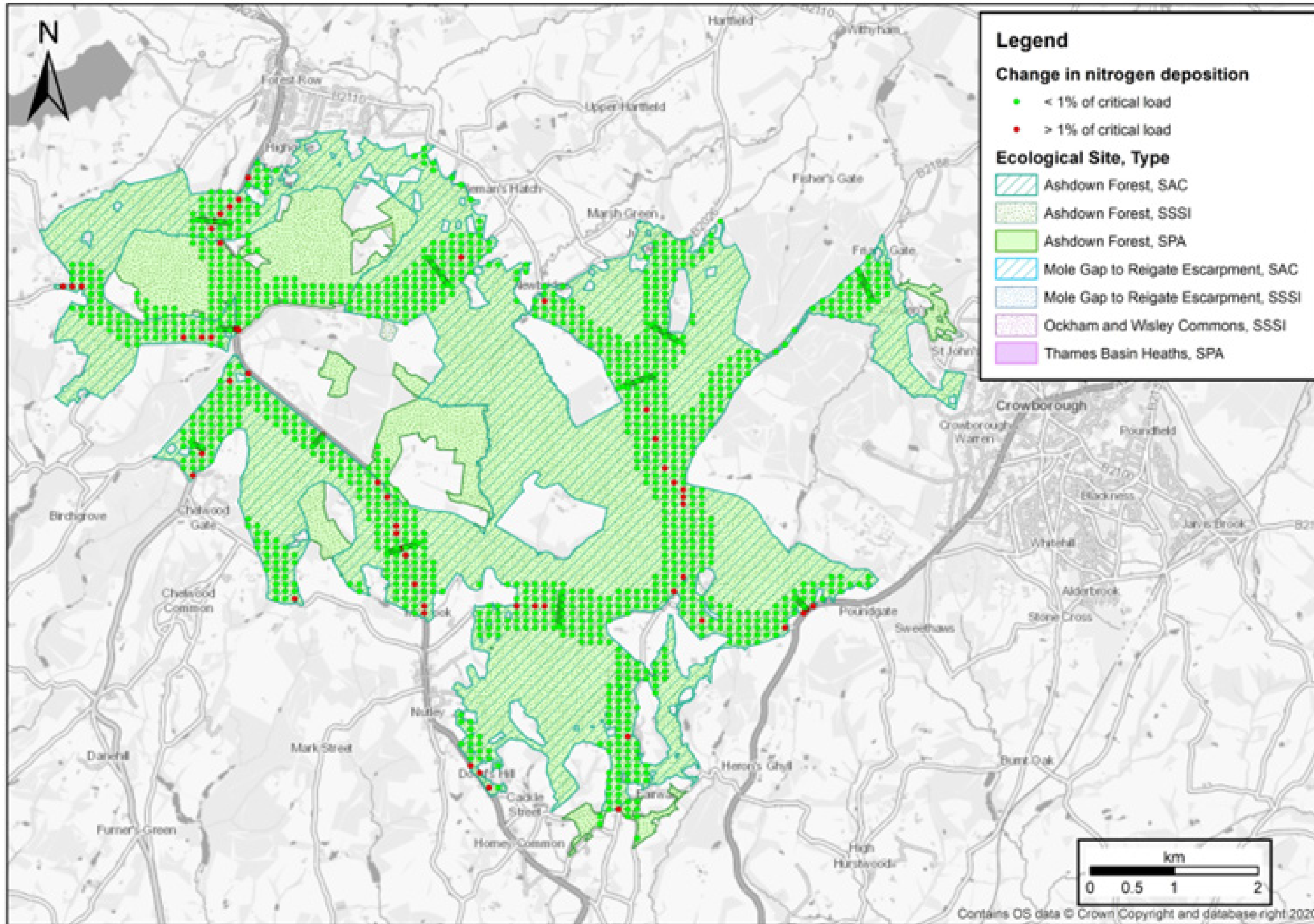
SCALE @ A3 NTS

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DOCUMENT		
Environmental Statement		
DRAWING TITLE Change in Nitrogen Deposition in Ashdown Forest SAC & SPA in 2038 In combination Scenario		
DATE July 2023		
ORIENTATION	DRAWING NO. Figure 48	REVISION For ES Issue
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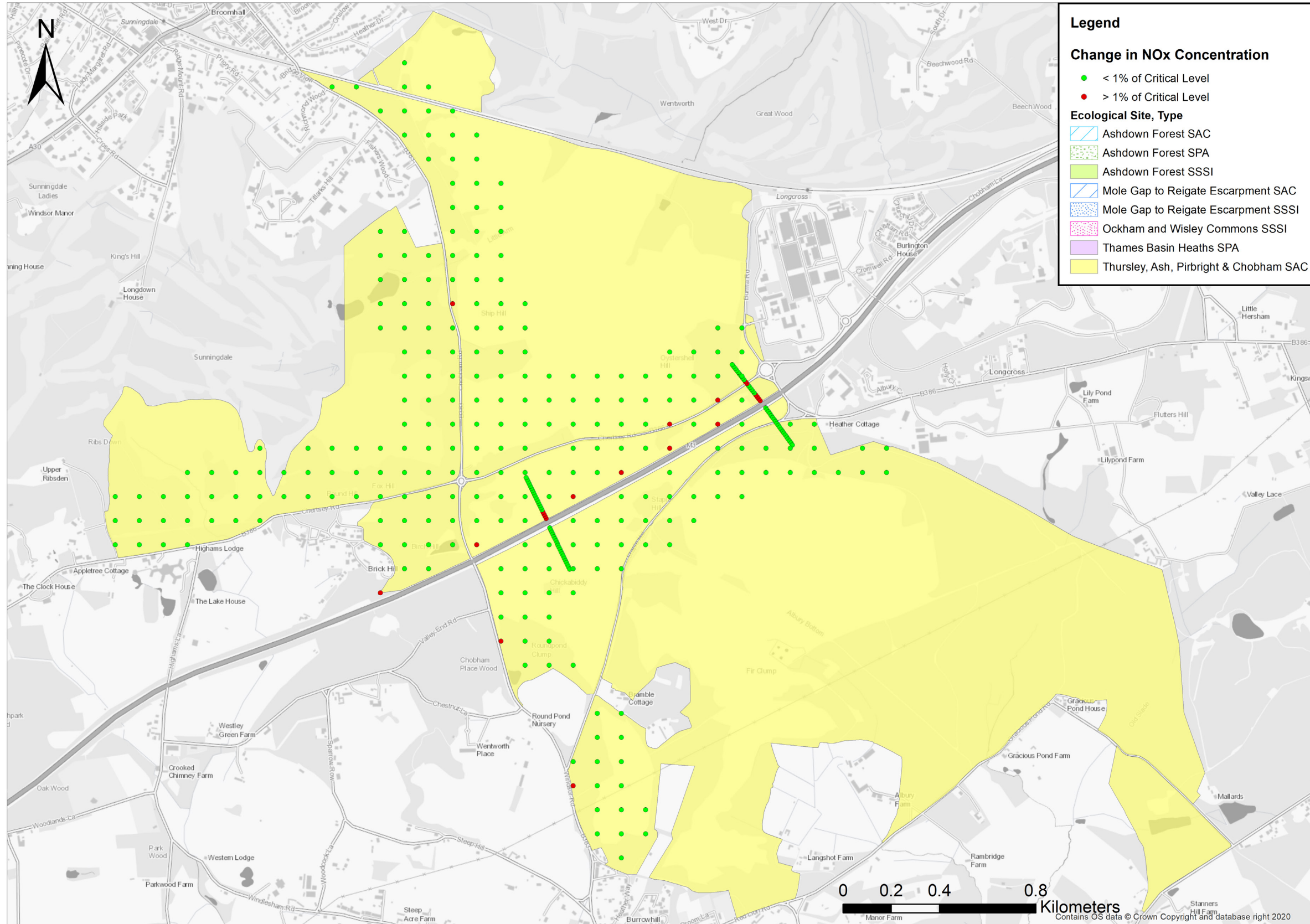
**Legend**

**Change in NOx Concentration**

- < 1% of Critical Level
- > 1% of Critical Level

**Ecological Site, Type**

- ▨ Ashdown Forest SAC
- ▨ Ashdown Forest SPA
- ▨ Ashdown Forest SSSI
- ▨ Mole Gap to Reigate Escarpment SAC
- ▨ Mole Gap to Reigate Escarpment SSSI
- ▨ Ockham and Wisley Commons SSSI
- ▨ Thames Basin Heaths SPA
- ▨ Thursley, Ash, Pirbright & Chobham SAC



DOCUMENT

Environmental Statement

DRAWING TITLE

Change in NOx in Chobham Common SSSI component of TAPC SAC & TBH SPA in 2038 Cumulative Scenario

DATE

July 2023

ORIENTATION



DRAWING NO.

Figure 49

REVISION

For ES Issue

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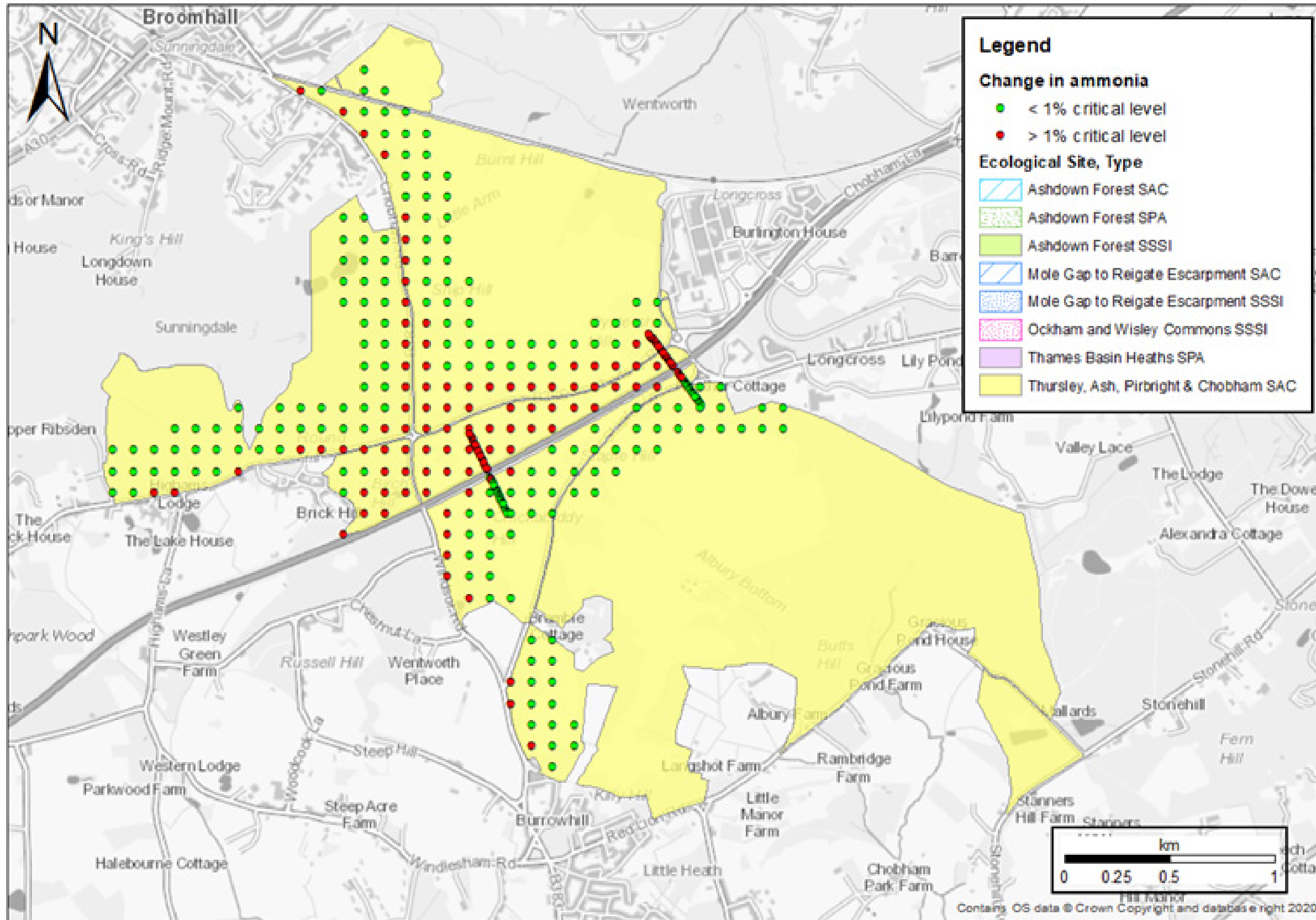
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DOCUMENT

Environmental Statement

DRAWING TITLE

Change in NH<sub>3</sub> at Chobham Common SSSI component of TAPC SAC & TBH SPA in 2038 Cumulative Scenario

DATE

July 2023

ORIENTATION



DRAWING NO.

Figure 50

REVISION

For ES Issue

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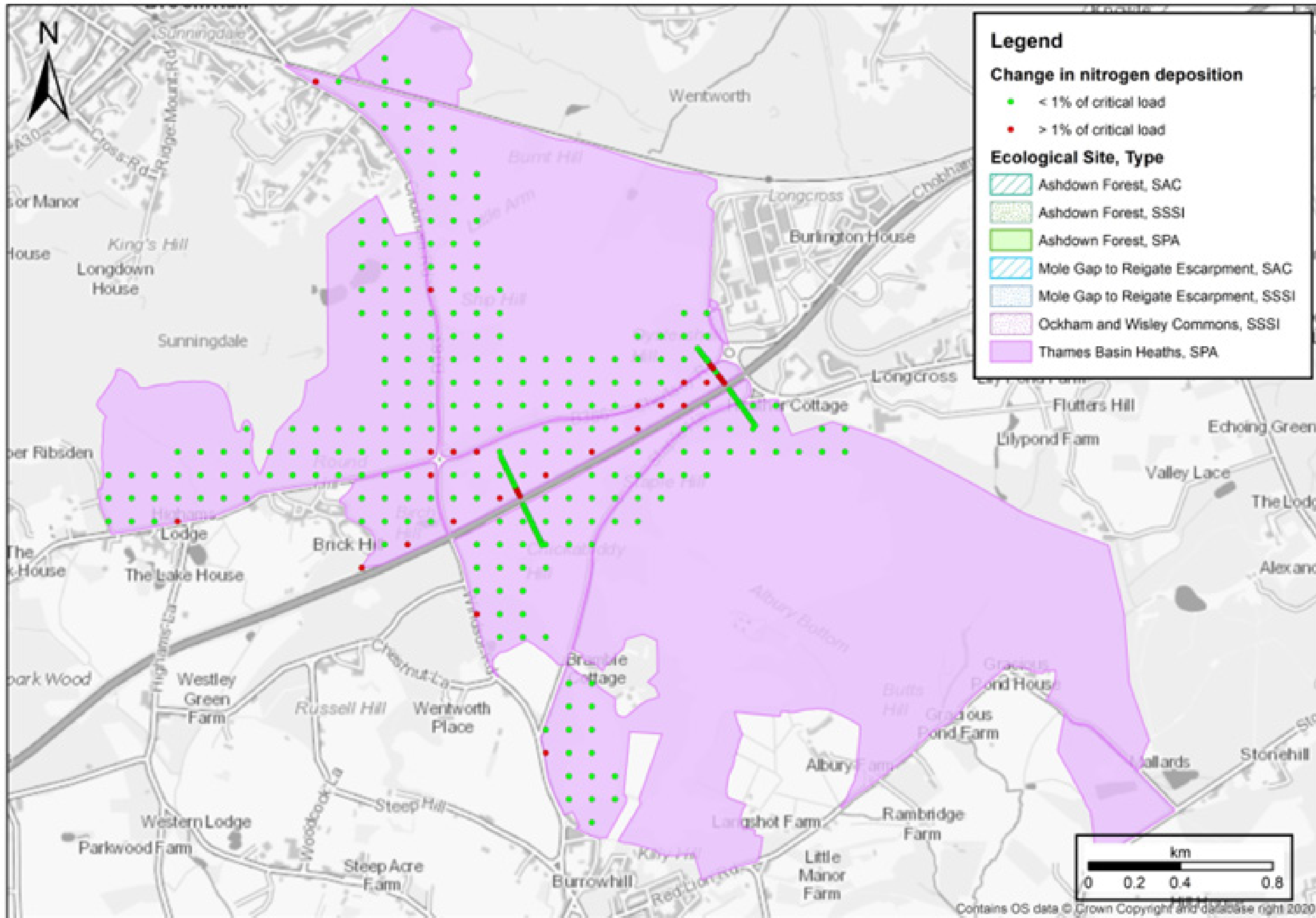
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Environmental Statement

DRAWING TITLE

Change in Nitrogen Deposition Chobham Common SSSI component of TAPC SAC & TBH SPA in 2038 Cumulative Scenario

DATE

July 2023

ORIENTATION



DRAWING NO.

Figure 51

REVISION

For ES Issue

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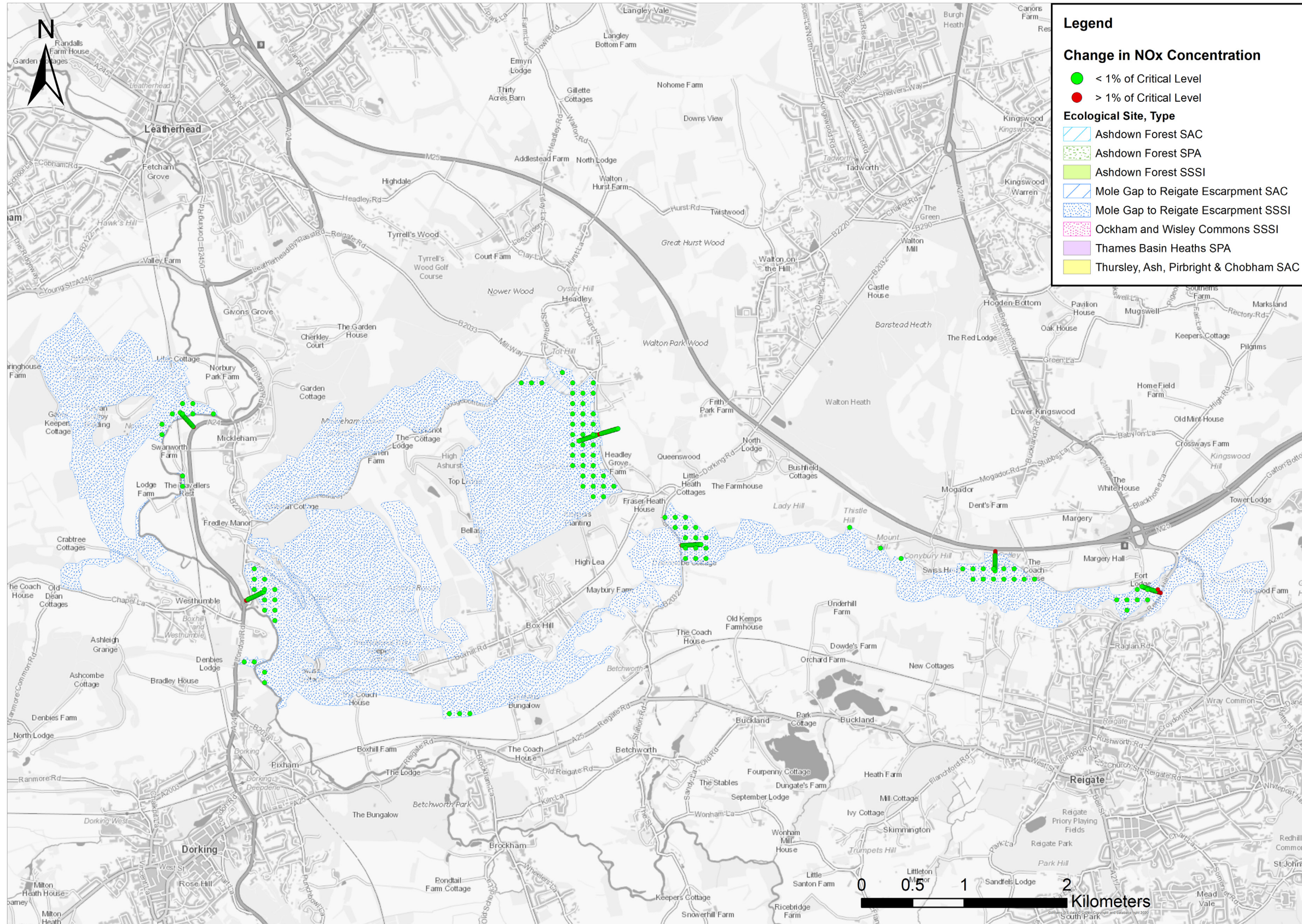
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DOCUMENT

Environmental Statement

DRAWING TITLE

Changes in NOx concentrations at Mole Gap to Reigate Escarpment SAC in 2038 in Cumulative Scenario

DATE

July 2023

ORIENTATION



DRAWING NO.

Figure 52

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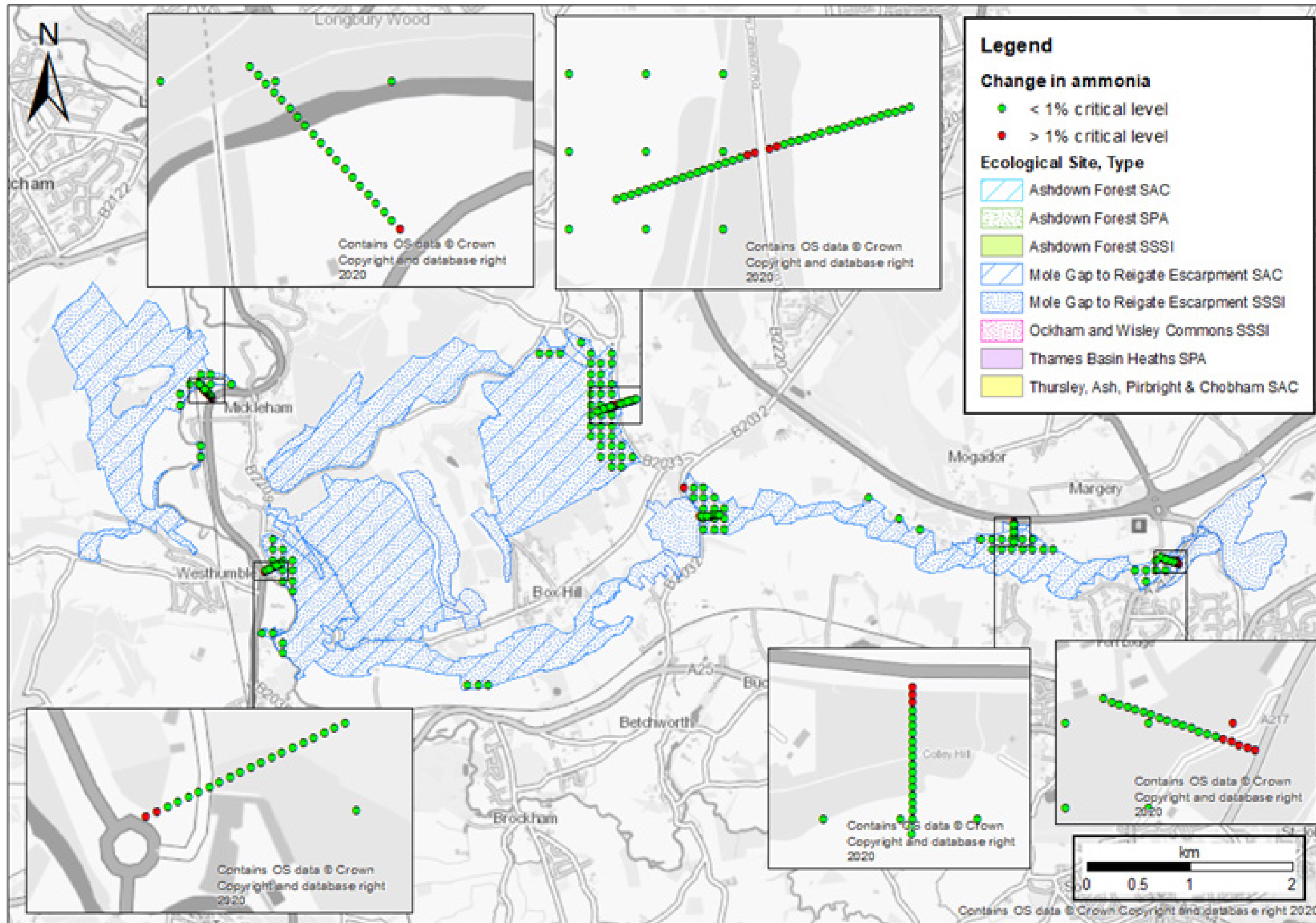
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Environmental Statement

DRAWING TITLE

Changes in NH<sub>3</sub> concentration at Mole Gap to Reigate Escarpment SAC in 2038 in Cumulative Scenario

DATE

July 2023

ORIENTATION



DRAWING NO.

Figure 53

REVISION

For ES Issue

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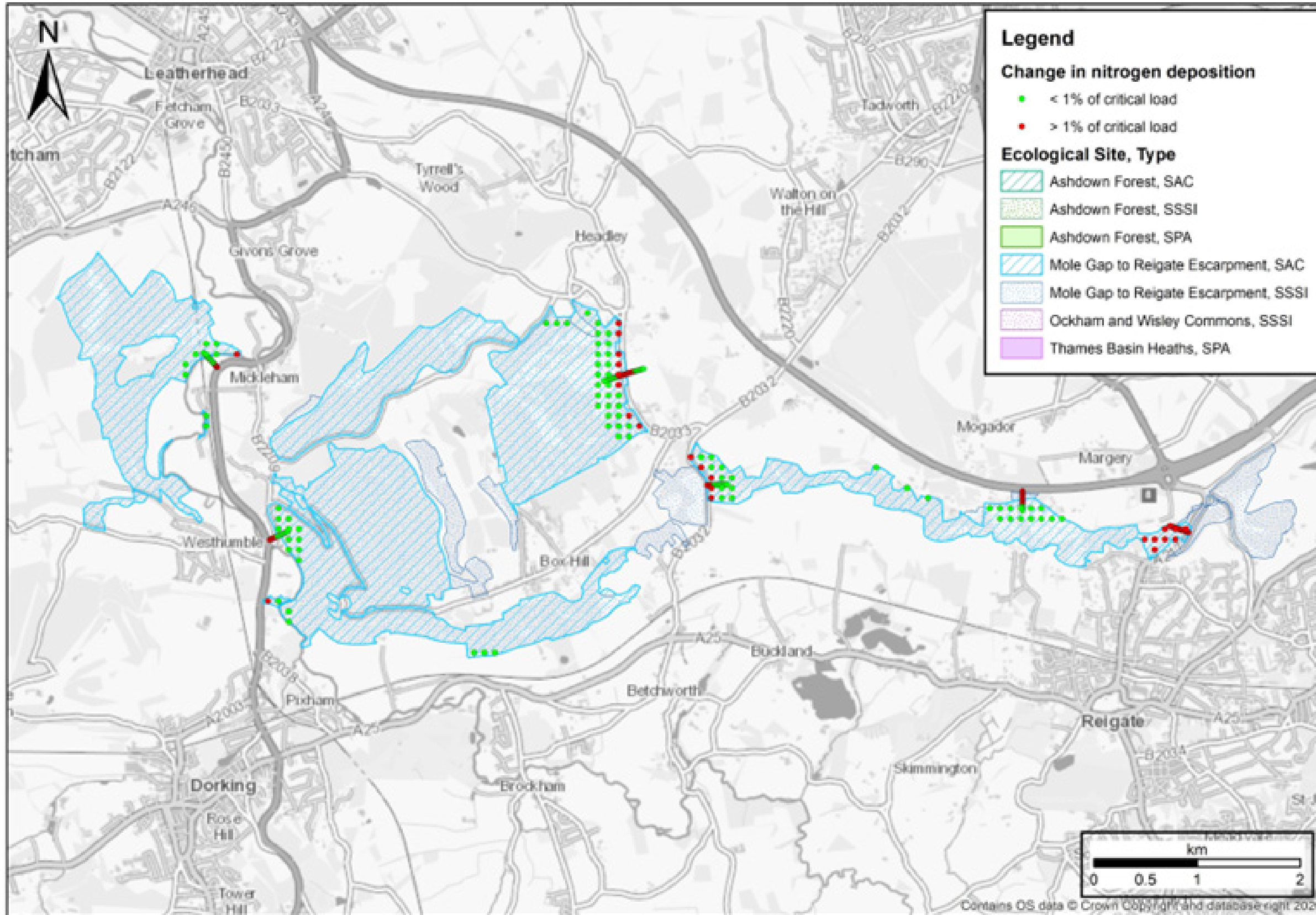
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Environmental Statement

DRAWING TITLE

Changes in nitrogen deposition at Mole Gap to Reigate Escarpment SAC in 2038 in Cumulative Scenario

DATE

July 2023

ORIENTATION



DRAWING NO.

Figure 54

REVISION

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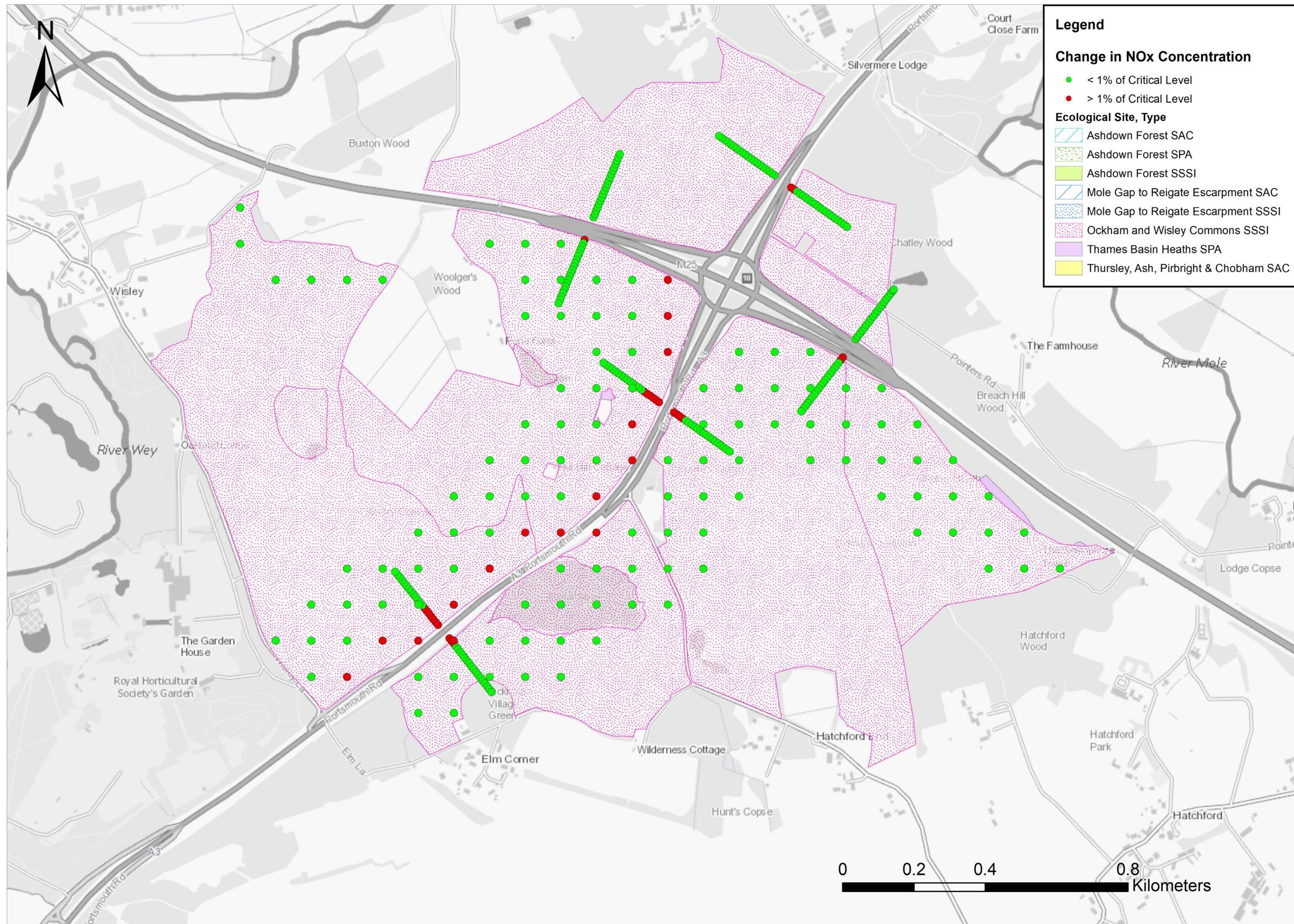
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**Change in NOx Concentration**

- < 1% of Critical Level
- > 1% of Critical Level

**Ecological Site, Type**

- ▨ Ashdown Forest SAC
- ▨ Ashdown Forest SPA
- ▨ Ashdown Forest SSSI
- ▨ Mole Gap to Reigate Escarpment SAC
- ▨ Mole Gap to Reigate Escarpment SSSI
- ▨ Ockham and Wisley Commons SSSI
- ▨ Thames Basin Heaths SPA
- ▨ Thursley, Ash, Pirbright & Chobham SAC

**Legend**

DOCUMENT		
Environmental Statement		
DRAWING TITLE		
Changes in NOx concentrations at Ockham & Wisley Common SSSI component of Thames Basin Heaths SPA in 2038 in Cumulative Scenario		
DATE		
July 2023		
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	Figure 55	For ES Issue
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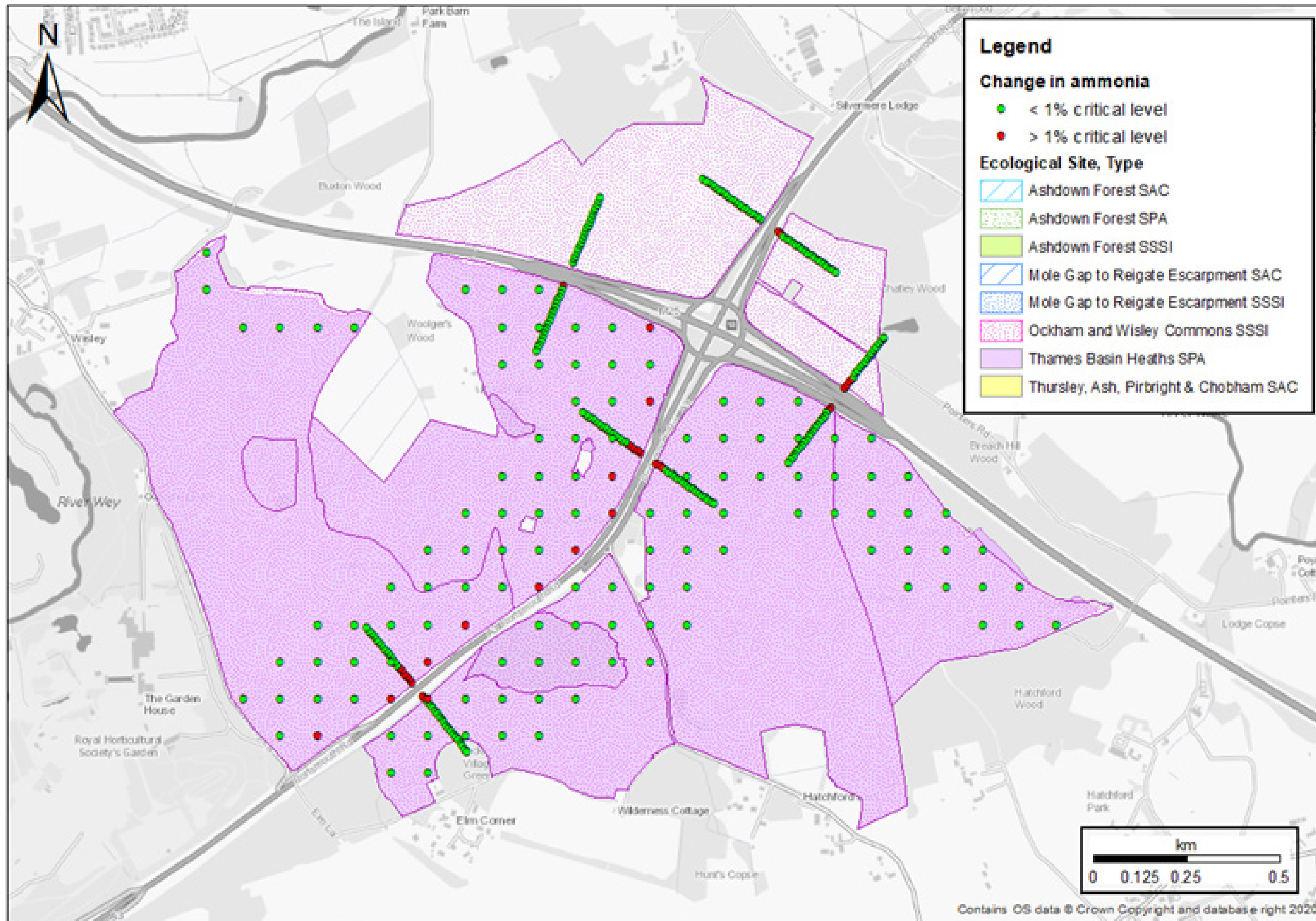
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**Legend**



**Legend**

**Change in ammonia**

- < 1% critical level
- > 1% critical level

**Ecological Site, Type**

- ▭ Ashdown Forest SAC
- ▭ Ashdown Forest SPA
- ▭ Ashdown Forest SSSI
- ▭ Mole Gap to Reigate Escarpment SAC
- ▭ Mole Gap to Reigate Escarpment SSSI
- ▭ Ockham and Wisley Commons SSSI
- ▭ Thames Basin Heaths SPA
- ▭ Thursley, Ash, Pirbright & Chobham SAC

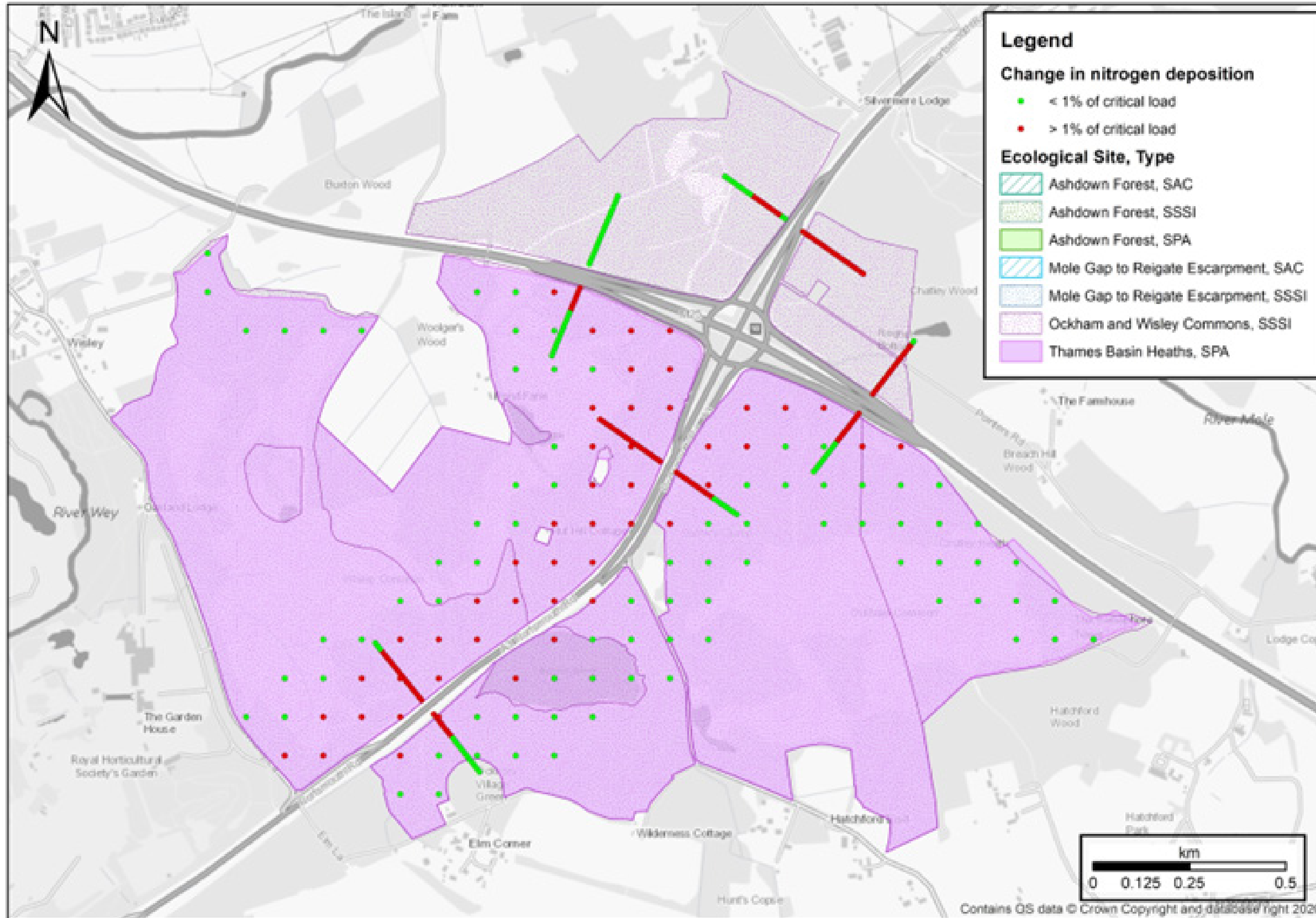
DOCUMENT		
Environmental Statement		
DRAWING TITLE		
Changes in NH3 concentration at Ockham & Wisley Common SSSI component of Thames Basin Heaths SPA in 2038 in Cumulative Scenario		
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July 2023		
ORIENTATION	DRAWING NO.	REVISION
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**Legend**

**Change in nitrogen deposition**

- <math>< 1\%</math> of critical load
- > 1% of critical load

**Ecological Site, Type**

- ▨ Ashdown Forest, SAC
- ▨ Ashdown Forest, SSSI
- ▨ Ashdown Forest, SPA
- ▨ Mole Gap to Reigate Escarpment, SAC
- ▨ Mole Gap to Reigate Escarpment, SSSI
- ▨ Ockham and Wisley Commons, SSSI
- ▨ Thames Basin Heaths, SPA

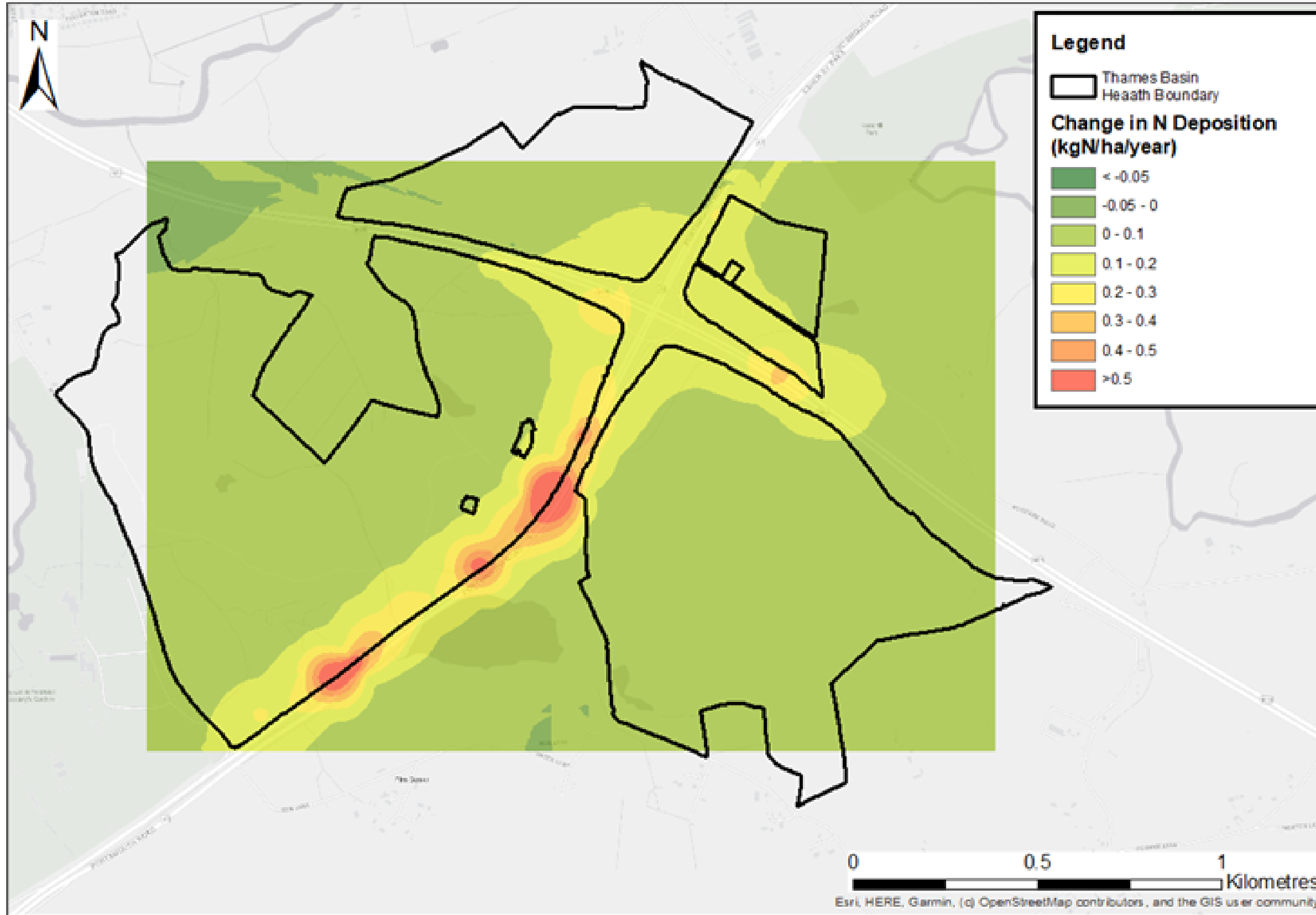
DOCUMENT		
Environmental Statement		
DRAWING TITLE		
Changes in nitrogen deposition Ockham & Wisley Common SSSI component of Thames Basin Heaths SPA in 2038 in Cumulative Scenario		
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July 2023		
ORIENTATION	DRAWING NO.	REVISION
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DOCUMENT

Environmental Statement

DRAWING TITLE

Isopleth plot of changes in nitrogen deposition at Ockham & Wisley Common SSSI component of Thames Basin Heaths SPA in 2032 cumulative scenario

DATE

July 2023

ORIENTATION



DRAWING NO.

Figure 58

REVISION

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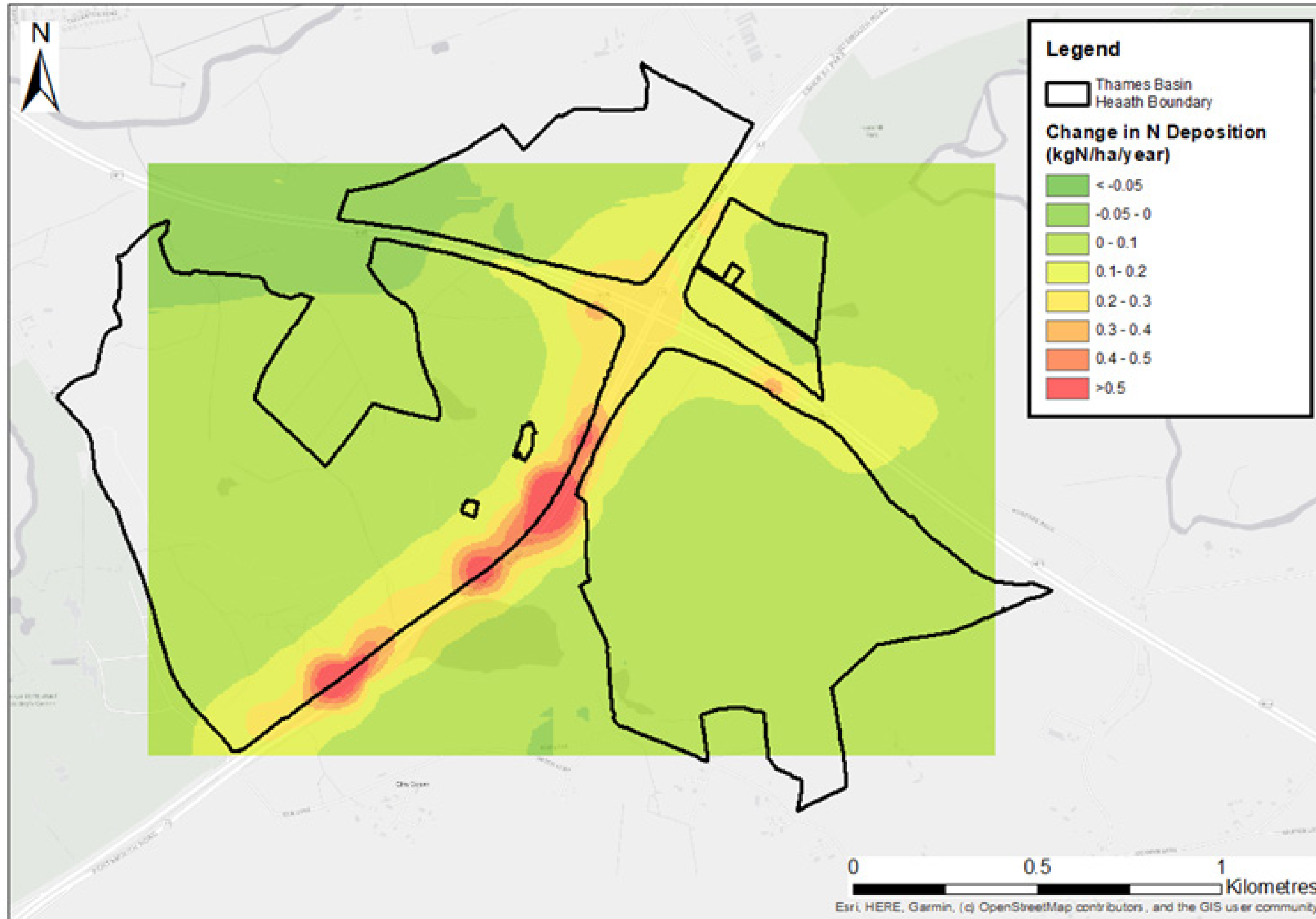
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DOCUMENT

Environmental Statement

DRAWING TITLE

Isopleth plot of changes in nitrogen deposition at Ockham & Wisley Common SSSI component of Thames Basin Heaths SPA in 2038 cumulative scenario

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