

OTTERPOOL PARK

Environmental Statement Appendix 6.9: Operational Phase Scenario 2 and 3 Ecological Transect Results

MARCH 2022



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Appendix 6.9 – Operational Phase Scenario 2 and 3 Ecological Transect Results

Table 1: 2044 Annual Mean change in Nitrogen Deposition ($\text{kg N ha}^{-1} \text{ yr}^{-1}$) at Ecological Receptors

Receptor Site ID	Scenario 2 Development Specification vs without proposed Development (2044)		Illustrative Masterplan vs without proposed Development (2044)	
	Change in N Deposition ($\text{kg N ha}^{-1} \text{ yr}^{-1}$)	Change as % Critical Load	Change in N Deposition ($\text{kg N ha}^{-1} \text{ yr}^{-1}$)	Change as % Critical Load
HoadsWood_AW36m	0.02	0.2	0.02	0.2
HoadsWood_AW40m	0.02	0.2	0.02	0.2
HoadsWood_AW50m	0.01	0.1	0.01	0.1
HoadsWood_AW60m	0.01	0.1	0.01	0.1
HoadsWood_AW70m	0.01	0.1	0.01	0.1
HoadsWood_AW80m	0.01	0.1	0.01	0.1
HoadsWood_AW90m	0.01	0.1	0.01	0.1
HoadsWood_AW100m	0.01	0.1	0.01	0.1
HoadsWood_AW110m	0.01	0.1	0.01	0.1
HoadsWood_AW120m	0.01	0.1	0.01	0.1
HoadsWood_AW130m	0.01	0.1	0.01	0.1
HoadsWood_AW140m	0.01	0.1	0.01	0.1
HoadsWood_AW150m	0.01	0.1	0.01	0.1
HoadsWood_AW160m	0.01	0.1	0.01	0.1

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Receptor Site ID	Scenario 2 Development Specification vs without proposed Development (2044)		Illustrative Masterplan vs without proposed Development (2044)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
HoadsWood_AW170m	0.01	0.1	0.01	0.1
HoadsWood_AW180m	0.01	0.1	0.01	0.1
HoadsWood_AW190m	0.01	0.1	0.01	0.1
HoadsWood_AW200m	0.01	0.1	0.01	0.1
Unnamed_AW1_117m	0.01	0.1	0.01	0.1
Unnamed_AW1_120m	0.01	0.1	0.01	0.1
Unnamed_AW1_130m	0.01	0.1	0.01	0.1
Unnamed_AW1_140m	0.01	0.1	0.01	0.1
Unnamed_AW1_150m	0.01	0.1	0.01	0.1
Unnamed_AW1_160m	0.01	0.1	0.01	0.1
Unnamed_AW1_170m	0.01	0.1	0.01	0.1
Unnamed_AW1_180m	0.01	0.1	0.00	0.0
Unnamed_AW1_190m	0.01	0.1	0.01	0.1
Unnamed_AW1_200m	0.01	0.1	0.01	0.1
Unnamed_AW2_75m	0.01	0.1	0.01	0.1

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Receptor Site ID	Scenario 2 Development Specification vs without proposed Development (2044)		Illustrative Masterplan vs without proposed Development (2044)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
Unnamed_AW2_80m	0.01	0.1	0.01	0.1
Unnamed_AW2_90m	0.01	0.1	0.01	0.1
Unnamed_AW2_100m	0.01	0.1	0.01	0.1
Unnamed_AW2_110m	0.01	0.1	0.01	0.1
Unnamed_AW2_120m	0.01	0.1	0.01	0.1
Unnamed_AW2_130m	0.01	0.1	0.01	0.1
Unnamed_AW2_140m	0.01	0.1	0.01	0.1
Unnamed_AW2_150m	0.01	0.1	0.01	0.1
Unnamed_AW2_160m	0.01	0.1	0.01	0.1
Unnamed_AW2_170m	0.00	0.0	0.00	0.0
Unnamed_AW2_180m	0.00	0.0	0.00	0.0
Unnamed_AW2_190m	0.01	0.1	0.00	0.0
Unnamed_AW2_200m	0.00	0.0	0.00	0.0
Unnamed_AW3_45m	0.02	0.2	0.02	0.2
Unnamed_AW3_50m	0.02	0.2	0.02	0.2

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Receptor Site ID	Scenario 2 Development Specification vs without proposed Development (2044)		Illustrative Masterplan vs without proposed Development (2044)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
Unnamed_AW3_60m	0.01	0.1	0.01	0.1
Unnamed_AW3_70m	0.01	0.1	0.01	0.1
Unnamed_AW3_80m	0.01	0.1	0.01	0.1
Unnamed_AW3_90m	0.01	0.1	0.01	0.1
Unnamed_AW3_100m	0.01	0.1	0.01	0.1
Unnamed_AW3_110m	0.01	0.1	0.01	0.1
Unnamed_AW3_120m	0.01	0.1	0.01	0.1
Unnamed_AW3_130m	0.01	0.1	0.01	0.1
Unnamed_AW3_140m	0.01	0.1	0.01	0.1
Unnamed_AW3_150m	0.01	0.1	0.01	0.1
Unnamed_AW3_160m	0.01	0.1	0.01	0.1
Unnamed_AW3_170m	0.01	0.1	0.01	0.1
Unnamed_AW3_180m	0.01	0.1	0.01	0.1
FolkstoneEtchB1	0.18	1.2	0.17	1.2
FolkstoneEtchB2	0.13	0.9	0.12	0.8

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Receptor Site ID	Scenario 2 Development Specification vs without proposed Development (2044)		Illustrative Masterplan vs without proposed Development (2044)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
FolkstoneEtchB3	0.10	0.7	0.10	0.6
FolkstoneEtchB4	0.08	0.6	0.08	0.5
FolkstoneEtchB5	0.07	0.5	0.07	0.5
FolkstoneEtchB6	0.07	0.4	0.06	0.4
FolkstoneEtchB7	0.06	0.4	0.06	0.4
FolkstoneEtchB8	0.05	0.4	0.05	0.4
FolkstoneEtchB9	0.05	0.3	0.05	0.3
FolkstoneEtchB10	0.05	0.3	0.05	0.3
FolkstoneEtchB11	0.04	0.3	0.04	0.3
FolkstoneEtchB12	0.04	0.3	0.04	0.3
FolkstoneEtchB13	0.04	0.3	0.04	0.3
FolkstoneEtchB14	0.04	0.3	0.04	0.3
FolkstoneEtchB15	0.04	0.3	0.04	0.2
FolkstoneEtchB16	0.04	0.2	0.04	0.2
FolkstoneEtchB17	0.04	0.2	0.03	0.2

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Receptor Site ID	Scenario 2 Development Specification vs without proposed Development (2044)		Illustrative Masterplan vs without proposed Development (2044)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
FolkstoneEtchB18	0.04	0.2	0.03	0.2
FolkstoneEtchB19	0.03	0.2	0.03	0.2
FolkstoneEtchB20	0.03	0.2	0.03	0.2
HatchPark1 (Hatch Park SSSI)	0.05	0.5	0.05	0.5
HP2	0.09	0.9	0.09	0.9
HP3	0.08	0.8	0.08	0.8
HP4	0.07	0.7	0.07	0.7
HP5	0.06	0.6	0.06	0.6
HP6	0.06	0.6	0.06	0.6
HP7	0.06	0.6	0.05	0.5
HP8	0.05	0.5	0.05	0.5
HP9	0.05	0.5	0.04	0.4
HP10	0.04	0.4	0.04	0.4
HP11	0.04	0.4	0.04	0.4
HP12	0.04	0.4	0.03	0.3

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Receptor Site ID	Scenario 2 Development Specification vs without proposed Development (2044)		Illustrative Masterplan vs without proposed Development (2044)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
HP13	0.03	0.3	0.03	0.3
HP14	0.03	0.3	0.03	0.3
HP15	0.03	0.3	0.03	0.3
HP16	0.03	0.3	0.03	0.3
HP17	0.03	0.3	0.03	0.3
HP20	0.03	0.3	0.03	0.3
LympneEsc1 (Lympne Escarpment SSSI)	0.36	2.4	0.35	2.3
LE2	0.17	1.1	0.16	1.1
LE3	0.11	0.7	0.11	0.7
LE4	0.08	0.6	0.08	0.5
LE5	0.06	0.4	0.06	0.4
LE6	0.05	0.3	0.05	0.3
LE7	0.05	0.3	0.04	0.3
LE8	0.04	0.3	0.04	0.3
LE9	0.03	0.2	0.03	0.2

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	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
LE10	0.03	0.2	0.03	0.2
LE11	0.03	0.2	0.03	0.2
LE12	0.03	0.2	0.03	0.2
LE13	0.03	0.2	0.03	0.2
LE14	0.03	0.2	0.02	0.2
LE15	0.03	0.2	0.02	0.2
LE16	0.02	0.1	0.02	0.1
LE17	0.02	0.1	0.02	0.1
LE18	0.02	0.2	0.02	0.1
LE19	0.02	0.1	0.02	0.1
LE20	0.02	0.1	0.02	0.1
FolksWood1 (Ancient Woodland)	1.14	11.4	1.12	11.2
FW2	0.51	5.1	0.50	5.0
FW3	0.34	3.4	0.34	3.4
FW4	0.26	2.6	0.26	2.6

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Receptor Site ID	Scenario 2 Development Specification vs without proposed Development (2044)		Illustrative Masterplan vs without proposed Development (2044)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
FW5	0.21	2.1	0.21	2.1
FW6	0.18	1.8	0.18	1.8
FW7	0.16	1.6	0.16	1.6
FW8	0.15	1.5	0.14	1.4
FW9	0.13	1.3	0.12	1.2
FW10	0.12	1.2	0.12	1.2
FW11	0.11	1.1	0.10	1.0
FW12	0.10	1.0	0.10	1.0
FW13	0.09	0.9	0.09	0.9
FW14	0.09	0.9	0.09	0.9
FW15	0.08	0.8	0.08	0.8
FW16	0.08	0.8	0.08	0.8
FW17	0.07	0.7	0.07	0.7
FW18	0.07	0.7	0.07	0.7
FW19	0.07	0.7	0.07	0.7

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Receptor Site ID	Scenario 2 Development Specification vs without proposed Development (2044)		Illustrative Masterplan vs without proposed Development (2044)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
FW20	0.07	0.7	0.06	0.6
FW21	0.06	0.6	0.06	0.6
AshfordGreenCorridorsA2070LNR	0.06	0.6	0.06	0.6
AshfordGreenCorridorsA2070LNR	0.05	0.5	0.05	0.5
AshfordGreenCorridorsA2070LNR	0.04	0.4	0.04	0.4
AshfordGreenCorridorsA2070LNR	0.03	0.3	0.03	0.3
AshfordGreenCorridorsA2070LNR	0.03	0.3	0.03	0.3
AshfordGreenCorridorsA2070LNR	0.03	0.3	0.03	0.3
AshfordGreenCorridorsA2070LNR	0.02	0.2	0.02	0.2
AshfordGreenCorridorsA2070LNR	0.02	0.2	0.02	0.2
AshfordGreenCorridorsA2070LNR	0.02	0.2	0.02	0.2
AshfordGreenCorridorsA2070LNR	0.02	0.2	0.02	0.2
AshfordGreenCorridorsA2070LNR	0.02	0.2	0.02	0.2
AshfordGreenCorridorsA2070LNR	0.01	0.1	0.01	0.1
AshfordGreenCorridorsA2070LNR	0.01	0.1	0.01	0.1

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Receptor Site ID	Scenario 2 Development Specification vs without proposed Development (2044)		Illustrative Masterplan vs without proposed Development (2044)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
AshfordGreenCorridorsA2070LNR	0.01	0.1	0.01	0.1
AshfordGreenCorridorsA2070LNR	0.01	0.1	0.01	0.1
AshfordGreenCorridorsA2070LNR	0.01	0.1	0.01	0.1
AshfordGreenCorridorsA2070LNR	0.01	0.1	0.01	0.1
AshfordGreenCorridorsA2070LNR	0.01	0.1	0.01	0.1
AshfordGreenCorridorsA2070LNR	0.01	0.1	0.01	0.1
AshfordGreenCorridorsA2070LNR	0.01	0.1	0.01	0.1
AshfordGreenCorridorsA2070LNR	0.01	0.1	0.01	0.1
AshfordGreenCorridorsM20E20m	0.08	0.8	0.07	0.7
AshfordGreenCorridorsM20E30m	0.06	0.6	0.06	0.6
AshfordGreenCorridorsM20E40m	0.05	0.5	0.05	0.5
AshfordGreenCorridorsM20E50m	0.04	0.4	0.04	0.4
AshfordGreenCorridorsM20E60m	0.03	0.3	0.03	0.3
AshfordGreenCorridorsM20E70m	0.03	0.3	0.03	0.3
AshfordGreenCorridorsM20E80m	0.03	0.3	0.03	0.3
AshfordGreenCorridorsM20E90m	0.02	0.2	0.02	0.2

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Receptor Site ID	Scenario 2 Development Specification vs without proposed Development (2044)		Illustrative Masterplan vs without proposed Development (2044)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
AshfordGreenCorridorsM20E100m	0.02	0.2	0.02	0.2
AshfordGreenCorridorsM20E110m	0.02	0.2	0.02	0.2
AshfordGreenCorridorsM20E120m	0.02	0.2	0.02	0.2
AshfordGreenCorridorsM20E130m	0.02	0.2	0.02	0.2
AshfordGreenCorridorsM20E140m	0.02	0.2	0.02	0.2
AshfordGreenCorridorsM20E150m	0.01	0.1	0.01	0.1
AshfordGreenCorridorsM20E160m	0.01	0.1	0.01	0.1
AshfordGreenCorridorsM20E170m	0.01	0.1	0.01	0.1
AshfordGreenCorridorsM20E180m	0.01	0.1	0.01	0.1
AshfordGreenCorridorsM20E190m	0.01	0.1	0.01	0.1
AshfordGreenCorridorsM20E200m	0.01	0.1	0.01	0.1
AshfordGreenCorridorsM20W22m	0.07	0.7	0.07	0.7
AshfordGreenCorridorsM20W30m	0.06	0.6	0.06	0.6
AshfordGreenCorridorsM20W40m	0.05	0.5	0.05	0.5
AshfordGreenCorridorsM20W50m	0.04	0.4	0.04	0.4

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Receptor Site ID	Scenario 2 Development Specification vs without proposed Development (2044)		Illustrative Masterplan vs without proposed Development (2044)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
AshfordGreenCorridorsM20W60m	0.03	0.3	0.03	0.3
AshfordGreenCorridorsM20W70m	0.03	0.3	0.03	0.3
AshfordGreenCorridorsM20W80m	0.03	0.3	0.03	0.3
AshfordGreenCorridorsM20W90m	0.02	0.2	0.02	0.2
AshfordGreenCorridorsM20W100m	0.02	0.2	0.02	0.2
AshfordGreenCorridorsM20W110m	0.02	0.2	0.02	0.2
AshfordGreenCorridorsM20W120m	0.02	0.2	0.02	0.2
AshfordGreenCorridorsM20W130m	0.02	0.2	0.02	0.2
AshfordGreenCorridorsM20W140m	0.02	0.2	0.01	0.1
LympneEscarpmentSSSI_E40m	0.06	0.4	0.06	0.4
LympneEscarpmentSSSI_E50m	0.05	0.3	0.05	0.3
LympneEscarpmentSSSI_E60m	0.04	0.3	0.04	0.3
LympneEscarpmentSSSI_E70m	0.04	0.3	0.04	0.2
LympneEscarpmentSSSI_E80m	0.03	0.2	0.03	0.2
LympneEscarpmentSSSI_E90m	0.03	0.2	0.03	0.2

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Receptor Site ID	Scenario 2 Development Specification vs without proposed Development (2044)		Illustrative Masterplan vs without proposed Development (2044)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
LympneEscarpmentSSSI_E100m	0.03	0.2	0.03	0.2
LympneEscarpmentSSSI_E110m	0.03	0.2	0.03	0.2
LympneEscarpmentSSSI_E120m	0.02	0.2	0.02	0.2
LympneEscarpmentSSSI_E130m	0.02	0.1	0.02	0.1
LympneEscarpmentSSSI_E140m	0.02	0.1	0.02	0.1
LympneEscarpmentSSSI_E150m	0.02	0.1	0.02	0.1
LympneEscarpmentSSSI_E160m	0.02	0.1	0.02	0.1
LympneEscarpmentSSSI_E170m	0.02	0.1	0.02	0.1
LympneEscarpmentSSSI_E180m	0.02	0.1	0.02	0.1
LympneEscarpmentSSSI_E190m	0.02	0.1	0.02	0.1
LympneEscarpmentSSSI_E200m	0.02	0.1	0.02	0.1
ParkWoodAW31m	0.10	1.0	0.09	0.9
ParkWoodAW40m	0.08	0.8	0.08	0.8
ParkWoodAW50m	0.07	0.7	0.06	0.6
ParkWoodAW60m	0.06	0.6	0.05	0.5

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Receptor Site ID	Scenario 2 Development Specification vs without proposed Development (2044)		Illustrative Masterplan vs without proposed Development (2044)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
ParkWoodAW70m	0.05	0.5	0.05	0.5
ParkWoodAW80m	0.05	0.5	0.04	0.4
ParkWoodAW90m	0.04	0.4	0.04	0.4
ParkWoodAW100m	0.04	0.4	0.04	0.4
ParkWoodAW110m	0.04	0.4	0.03	0.3
ParkWoodAW120m	0.03	0.3	0.03	0.3
ParkWoodAW130m	0.03	0.3	0.03	0.3
ParkWoodAW140m	0.03	0.3	0.03	0.3
ParkWoodAW150m	0.03	0.3	0.03	0.3
ParkWoodAW160m	0.03	0.3	0.03	0.3
ParkWoodAW170m	0.03	0.3	0.02	0.2
ParkWoodAW180m	0.03	0.3	0.02	0.2
ParkWoodAW190m	0.03	0.3	0.02	0.2
ParkWoodAW200m	0.02	0.2	0.02	0.2
KilnWoodAW175m	0.08	0.8	0.09	0.9

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Receptor Site ID	Scenario 2 Development Specification vs without proposed Development (2044)		Illustrative Masterplan vs without proposed Development (2044)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
KilnWoodAW180m	0.08	0.8	0.09	0.9
KilnWoodAW190m	0.08	0.8	0.09	0.9
KilnWoodAW200m	0.08	0.8	0.08	0.8
HouseWoodAW157m	0.19	1.9	0.18	1.8
HouseWoodAW160m	0.19	1.9	0.17	1.7
HouseWoodAW170m	0.18	1.8	0.17	1.7
HouseWoodAW180m	0.17	1.7	0.16	1.6
HouseWoodAW190m	0.17	1.7	0.16	1.6
HouseWoodAW200m	0.16	1.6	0.15	1.5
BartholemewsWoodAW5m	0.18	1.8	0.17	1.7
BartholemewsWoodAW10m	0.15	1.5	0.14	1.4
BartholemewsWoodAW20m	0.11	1.1	0.11	1.1
BartholemewsWoodAW30m	0.10	1.0	0.10	1.0
BartholemewsWoodAW40m	0.09	0.9	0.09	0.9
BartholemewsWoodAW50m	0.09	0.9	0.09	0.9

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Receptor Site ID	Scenario 2 Development Specification vs without proposed Development (2044)		Illustrative Masterplan vs without proposed Development (2044)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
BartholemewsWoodAW60m	0.08	0.8	0.08	0.8
BartholemewsWoodAW70m	0.08	0.8	0.08	0.8
BartholemewsWoodAW80m	0.08	0.8	0.08	0.8
BartholemewsWoodAW90m	0.08	0.8	0.08	0.8
BartholemewsWoodAW100m	0.08	0.8	0.07	0.7
BartholemewsWoodAW110m	0.08	0.8	0.07	0.7
BartholemewsWoodAW120m	0.07	0.7	0.07	0.7
BartholemewsWoodAW130m	0.07	0.7	0.07	0.7
BartholemewsWoodAW140m	0.07	0.7	0.07	0.7
BartholemewsWoodAW150m	0.07	0.7	0.07	0.7
BartholemewsWoodAW160m	0.07	0.7	0.07	0.7
BartholemewsWoodAW170m	0.07	0.7	0.06	0.6
BartholemewsWoodAW180m	0.06	0.6	0.06	0.6
BartholemewsWoodAW190m	0.07	0.7	0.06	0.6
BartholemewsWoodAW200m	0.06	0.6	0.06	0.6

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Appendix 6.9 – Operational Phase Scenario 2 and 3 Ecological Transect Results

Receptor Site ID	Scenario 2 Development Specification vs without proposed Development (2044)		Illustrative Masterplan vs without proposed Development (2044)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
CowtyeWoodAW_N10m	0.14	1.4	0.14	1.4
CowtyeWoodAW_N20m	0.10	1.0	0.10	1.0
CowtyeWoodAW_N30m	0.09	0.9	0.08	0.8
CowtyeWoodAW_N40m	0.08	0.8	0.08	0.8
CowtyeWoodAW_N50m	0.08	0.8	0.07	0.7
CowtyeWoodAW_N60m	0.07	0.7	0.07	0.7
CowtyeWoodAW_N70m	0.07	0.7	0.07	0.7
CowtyeWoodAW_N80m	0.06	0.6	0.06	0.6
CowtyeWoodAW_N90m	0.06	0.6	0.06	0.6
CowtyeWoodAW_N100m	0.06	0.6	0.06	0.6
CowtyeWoodAW_N110m	0.06	0.6	0.06	0.6
CowtyeWoodAW_N120m	0.06	0.6	0.06	0.6
CowtyeWoodAW_N130m	0.06	0.6	0.06	0.6
CowtyeWoodAW_N140m	0.06	0.6	0.05	0.5
CowtyeWoodAW_N150m	0.06	0.6	0.05	0.5

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Receptor Site ID	Scenario 2 Development Specification vs without proposed Development (2044)		Illustrative Masterplan vs without proposed Development (2044)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
CowtyeWoodAW_N160m	0.05	0.5	0.05	0.5
CowtyeWoodAW_N170m	0.05	0.5	0.05	0.5
CowtyeWoodAW_N180m	0.05	0.5	0.05	0.5
CowtyeWoodAW_N190m	0.05	0.5	0.05	0.5
CowtyeWoodAW_N200m	0.05	0.5	0.05	0.5
CowtyeWoodAW_S10m	0.13	1.3	0.12	1.2
CowtyeWoodAW_S20m	0.10	1.0	0.10	1.0
CowtyeWoodAW_S30m	0.09	0.9	0.09	0.9
CowtyeWoodAW_S40m	0.09	0.9	0.08	0.8
CowtyeWoodAW_S50m	0.08	0.8	0.08	0.8
CowtyeWoodAW_S60m	0.08	0.8	0.08	0.8
CowtyeWoodAW_S70m	0.08	0.8	0.08	0.8
CowtyeWoodAW_S80m	0.08	0.8	0.08	0.8
CowtyeWoodAW_S90m	0.08	0.8	0.08	0.8
CowtyeWoodAW_S100m	0.08	0.8	0.08	0.8

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Appendix 6.9 – Operational Phase Scenario 2 and 3 Ecological Transect Results

Receptor Site ID	Scenario 2 Development Specification vs without proposed Development (2044)		Illustrative Masterplan vs without proposed Development (2044)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
CowtyeWoodAW_S110m	0.08	0.8	0.08	0.8
CowtyeWoodAW_S120m	0.08	0.8	0.08	0.8
CowtyeWoodAW_S130m	0.08	0.8	0.08	0.8
CowtyeWoodAW_S140m	0.08	0.8	0.08	0.8
CowtyeWoodAW_S150m	0.09	0.9	0.08	0.8
CowtyeWoodAW_S160m	0.09	0.9	0.08	0.8
CowtyeWoodAW_S170m	0.09	0.9	0.08	0.8
CowtyeWoodAW_S180m	0.09	0.9	0.09	0.9
CowtyeWoodAW_S190m	0.09	0.9	0.09	0.9
CowtyeWoodAW_S200m	0.09	0.9	0.09	0.9
GrangeAldersOakBanksAW_W170m	0.13	1.3	0.12	1.2
GrangeAldersOakBanksAW_W180m	0.12	1.2	0.12	1.2
GrangeAldersOakBanksAW_W190m	0.12	1.2	0.11	1.1
GrangeAldersOakBanksAW_W200m	0.11	1.1	0.11	1.1
HarringeBrooksWoodAW_LWS176m	0.02	0.2	0.02	0.2

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Appendix 6.9 – Operational Phase Scenario 2 and 3 Ecological Transect Results

Receptor Site ID	Scenario 2 Development Specification vs without proposed Development (2044)		Illustrative Masterplan vs without proposed Development (2044)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
HarringeBrooksWoodAW_LWS180m	0.02	0.2	0.02	0.2
HarringeBrooksWoodAW_LWS190m	0.02	0.2	0.02	0.2
HarringeBrooksWoodAW_LWS200m	0.02	0.2	0.02	0.2
KillingWood_AW48m	0.05	0.5	0.05	0.5
KillingWood_AW50m	0.05	0.5	0.05	0.5
KillingWood_AW60m	0.04	0.4	0.04	0.4
KillingWood_AW70m	0.04	0.4	0.04	0.4
KillingWood_AW80m	0.04	0.4	0.03	0.3
KillingWood_AW90m	0.03	0.3	0.03	0.3
KillingWood_AW100m	0.03	0.3	0.03	0.3
KillingWood_AW110m	0.03	0.3	0.03	0.3
KillingWood_AW120m	0.03	0.3	0.03	0.3
KillingWood_AW130m	0.03	0.3	0.03	0.3
KillingWood_AW140m	0.03	0.3	0.03	0.3
KillingWood_AW150m	0.03	0.3	0.03	0.3

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Appendix 6.9 – Operational Phase Scenario 2 and 3 Ecological Transect Results

Receptor Site ID	Scenario 2 Development Specification vs without proposed Development (2044)		Illustrative Masterplan vs without proposed Development (2044)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
KillingWood_AW160m	0.03	0.3	0.03	0.3
KillingWood_AW170m	0.03	0.3	0.03	0.3
KillingWood_AW180m	0.03	0.3	0.03	0.3
KillingWood_AW190m	0.03	0.3	0.02	0.2
KillingWood_AW200m	0.03	0.3	0.02	0.2
PerryWood_AW132m	0.15	1.5	0.14	1.4
PerryWood_AW140m	0.14	1.4	0.13	1.3
PerryWood_AW150m	0.13	1.3	0.13	1.3
PerryWood_AW160m	0.13	1.3	0.12	1.2
PerryWood_AW170m	0.13	1.3	0.12	1.2
PerryWood_AW180m	0.12	1.2	0.11	1.1
PerryWood_AW190m	0.12	1.2	0.11	1.1
PerryWood_AW200m	0.11	1.1	0.10	1.0

Bold denotes that the change is >1% of site relevant lower critical load.

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Table 2: 2030 Annual Mean NO_x (µg m⁻³) and Change in Nitrogen Deposition (kg N ha⁻¹ yr⁻¹) at Ecological Receptors

Receptor Site ID	Scenario 3 Development Specification vs without proposed Development (2030)		Illustrative Masterplan vs without proposed Development (2030)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
HoadsWood_AW36m	0.01	0.1	0.00	0.0
HoadsWood_AW40m	0.01	0.1	0.01	0.1
HoadsWood_AW50m	0.00	0.0	0.00	0.0
HoadsWood_AW60m	0.00	0.0	0.00	0.0
HoadsWood_AW70m	0.00	0.0	0.00	0.0
HoadsWood_AW80m	0.00	0.0	0.00	0.0
HoadsWood_AW90m	0.00	0.0	0.00	0.0
HoadsWood_AW100m	0.00	0.0	0.00	0.0
HoadsWood_AW110m	0.00	0.0	0.00	0.0
HoadsWood_AW120m	0.00	0.0	0.00	0.0
HoadsWood_AW130m	0.00	0.0	0.00	0.0
HoadsWood_AW140m	0.00	0.0	0.00	0.0
HoadsWood_AW150m	0.00	0.0	0.00	0.0
HoadsWood_AW160m	0.00	0.0	0.00	0.0

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Appendix 6.9 – Operational Phase Scenario 2 and 3 Ecological Transect Results

Receptor Site ID	Scenario 3 Development Specification vs without proposed Development (2030)		Illustrative Masterplan vs without proposed Development (2030)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
HoadsWood_AW170m	0.00	0.0	0.00	0.0
HoadsWood_AW180m	0.00	0.0	0.00	0.0
HoadsWood_AW190m	0.00	0.0	0.00	0.0
HoadsWood_AW200m	0.00	0.0	0.00	0.0
Unnamed_AW1_117m	0.00	0.0	0.00	0.0
Unnamed_AW1_120m	0.00	0.0	0.00	0.0
Unnamed_AW1_130m	0.00	0.0	0.00	0.0
Unnamed_AW1_140m	0.00	0.0	0.00	0.0
Unnamed_AW1_150m	0.00	0.0	0.00	0.0
Unnamed_AW1_160m	0.00	0.0	0.00	0.0
Unnamed_AW1_170m	0.00	0.0	0.00	0.0
Unnamed_AW1_180m	0.00	0.0	0.00	0.0
Unnamed_AW1_190m	0.00	0.0	0.00	0.0
Unnamed_AW1_200m	0.00	0.0	0.00	0.0
Unnamed_AW2_75m	0.00	0.0	0.00	0.0

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Receptor Site ID	Scenario 3 Development Specification vs without proposed Development (2030)		Illustrative Masterplan vs without proposed Development (2030)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
Unnamed_AW2_80m	0.00	0.0	0.00	0.0
Unnamed_AW2_90m	0.00	0.0	0.00	0.0
Unnamed_AW2_100m	0.00	0.0	0.00	0.0
Unnamed_AW2_110m	0.00	0.0	0.00	0.0
Unnamed_AW2_120m	0.00	0.0	0.00	0.0
Unnamed_AW2_130m	0.00	0.0	0.00	0.0
Unnamed_AW2_140m	0.00	0.0	0.00	0.0
Unnamed_AW2_150m	0.00	0.0	0.00	0.0
Unnamed_AW2_160m	0.00	0.0	0.00	0.0
Unnamed_AW2_170m	0.00	0.0	0.00	0.0
Unnamed_AW2_180m	0.00	0.0	0.00	0.0
Unnamed_AW2_190m	0.00	0.0	0.00	0.0
Unnamed_AW2_200m	0.00	0.0	0.00	0.0
Unnamed_AW3_45m	0.01	0.1	0.01	0.1
Unnamed_AW3_50m	0.01	0.1	0.01	0.1

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Appendix 6.9 – Operational Phase Scenario 2 and 3 Ecological Transect Results

Receptor Site ID	Scenario 3 Development Specification vs without proposed Development (2030)		Illustrative Masterplan vs without proposed Development (2030)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
Unnamed_AW3_60m	0.00	0.0	0.00	0.0
Unnamed_AW3_70m	0.00	0.0	0.00	0.0
Unnamed_AW3_80m	0.00	0.0	0.00	0.0
Unnamed_AW3_90m	0.00	0.0	0.00	0.0
Unnamed_AW3_100m	0.00	0.0	0.00	0.0
Unnamed_AW3_110m	0.00	0.0	0.00	0.0
Unnamed_AW3_120m	0.00	0.0	0.00	0.0
Unnamed_AW3_130m	0.00	0.0	0.00	0.0
Unnamed_AW3_140m	0.00	0.0	0.00	0.0
Unnamed_AW3_150m	0.00	0.0	0.00	0.0
Unnamed_AW3_160m	0.00	0.0	0.00	0.0
Unnamed_AW3_170m	0.00	0.0	0.00	0.0
Unnamed_AW3_180m	0.00	0.0	0.00	0.0
FolkstoneEtchB1	0.07	0.5	0.06	0.4
FolkstoneEtchB2	0.04	0.3	0.04	0.3

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Appendix 6.9 – Operational Phase Scenario 2 and 3 Ecological Transect Results

Receptor Site ID	Scenario 3 Development Specification vs without proposed Development (2030)		Illustrative Masterplan vs without proposed Development (2030)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
FolkstoneEtchB3	0.03	0.2	0.03	0.2
FolkstoneEtchB4	0.03	0.2	0.03	0.2
FolkstoneEtchB5	0.02	0.2	0.02	0.1
FolkstoneEtchB6	0.02	0.1	0.02	0.1
FolkstoneEtchB7	0.02	0.1	0.02	0.1
FolkstoneEtchB8	0.02	0.1	0.01	0.1
FolkstoneEtchB9	0.01	0.1	0.01	0.1
FolkstoneEtchB10	0.01	0.1	0.01	0.1
FolkstoneEtchB11	0.01	0.1	0.01	0.1
FolkstoneEtchB12	0.01	0.1	0.01	0.1
FolkstoneEtchB13	0.01	0.1	0.01	0.1
FolkstoneEtchB14	0.01	0.1	0.01	0.1
FolkstoneEtchB15	0.01	0.1	0.01	0.1
FolkstoneEtchB16	0.01	0.1	0.01	0.1
FolkstoneEtchB17	0.01	0.1	0.01	0.1

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Receptor Site ID	Scenario 3 Development Specification vs without proposed Development (2030)		Illustrative Masterplan vs without proposed Development (2030)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
FolkstoneEtchB18	0.01	0.1	0.01	0.1
FolkstoneEtchB19	0.01	0.1	0.01	0.1
FolkstoneEtchB20	0.01	0.1	0.01	0.1
HatchPark1 (Hatch Park SSSI)	0.00	0.0	0.00	0.0
HP2	0.00	0.0	0.00	0.0
HP3	0.01	0.1	0.01	0.1
HP4	0.01	0.1	0.01	0.1
HP5	0.01	0.1	0.01	0.1
HP6	0.01	0.1	0.01	0.1
HP7	0.01	0.1	0.01	0.1
HP8	0.01	0.1	0.01	0.1
HP9	0.01	0.1	0.01	0.1
HP10	0.01	0.1	0.01	0.1
HP11	0.01	0.1	0.01	0.1
HP12	0.01	0.1	0.01	0.1

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Receptor Site ID	Scenario 3 Development Specification vs without proposed Development (2030)		Illustrative Masterplan vs without proposed Development (2030)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
HP13	0.01	0.1	0.01	0.1
HP14	0.01	0.1	0.01	0.1
HP15	0.01	0.1	0.01	0.1
HP16	0.01	0.1	0.01	0.1
HP17	0.01	0.1	0.01	0.1
HP20	0.01	0.1	0.01	0.1
LympneEsc1 (Lympne Escarpment SSSI)	0.08	0.5	0.03	0.2
LE2	0.02	0.1	0.02	0.1
LE3	0.01	0.1	0.01	0.0
LE4	0.00	0.0	0.00	0.0
LE5	0.00	0.0	0.00	0.0
LE6	0.00	0.0	-0.01	0.0
LE7	0.00	0.0	-0.01	0.0
LE8	-0.01	0.0	-0.01	0.0
LE9	-0.01	0.0	-0.01	0.0

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Receptor Site ID	Scenario 3 Development Specification vs without proposed Development (2030)		Illustrative Masterplan vs without proposed Development (2030)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
LE10	-0.01	-0.1	-0.01	-0.1
LE11	-0.01	0.0	-0.01	0.0
LE12	-0.01	-0.1	-0.01	-0.1
LE13	-0.01	-0.1	-0.01	-0.1
LE14	-0.01	-0.1	-0.01	-0.1
LE15	-0.01	-0.1	-0.01	-0.1
LE16	-0.01	-0.1	-0.01	-0.1
LE17	-0.01	-0.1	-0.01	-0.1
LE18	-0.01	-0.1	-0.01	-0.1
LE19	-0.01	-0.1	-0.01	-0.1
LE20	-0.01	-0.1	-0.01	-0.1
FolksWood1 (Ancient Woodland)	1.56	15.6	1.54	15.4
FW2	0.58	5.8	0.57	5.7
FW3	0.36	3.6	0.35	3.5
FW4	0.25	2.5	0.25	2.5

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Receptor Site ID	Scenario 3 Development Specification vs without proposed Development (2030)		Illustrative Masterplan vs without proposed Development (2030)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
FW5	0.20	2.0	0.20	2.0
FW6	0.16	1.6	0.16	1.6
FW7	0.14	1.4	0.14	1.4
FW8	0.12	1.2	0.12	1.2
FW9	0.10	1.0	0.10	1.0
FW10	0.09	0.9	0.09	0.9
FW11	0.08	0.8	0.08	0.8
FW12	0.07	0.7	0.07	0.7
FW13	0.07	0.7	0.07	0.7
FW14	0.06	0.6	0.06	0.6
FW15	0.06	0.6	0.06	0.6
FW16	0.05	0.5	0.05	0.5
FW17	0.05	0.5	0.05	0.5
FW18	0.04	0.4	0.04	0.4
FW19	0.04	0.4	0.04	0.4

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Receptor Site ID	Scenario 3 Development Specification vs without proposed Development (2030)		Illustrative Masterplan vs without proposed Development (2030)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
FW20	0.04	0.4	0.04	0.4
FW21	0.04	0.4	0.04	0.4
AshfordGreenCorridorsA2070LNR	0.03	0.3	0.02	0.2
AshfordGreenCorridorsA2070LNR	0.02	0.2	0.02	0.2
AshfordGreenCorridorsA2070LNR	0.01	0.1	0.01	0.1
AshfordGreenCorridorsA2070LNR	0.01	0.1	0.01	0.1
AshfordGreenCorridorsA2070LNR	0.01	0.1	0.01	0.1
AshfordGreenCorridorsA2070LNR	0.01	0.1	0.01	0.1
AshfordGreenCorridorsA2070LNR	0.01	0.1	0.01	0.1
AshfordGreenCorridorsA2070LNR	0.01	0.1	0.01	0.1
AshfordGreenCorridorsA2070LNR	0.00	0.0	0.00	0.0
AshfordGreenCorridorsA2070LNR	0.01	0.1	0.00	0.0
AshfordGreenCorridorsA2070LNR	0.01	0.1	0.01	0.1
AshfordGreenCorridorsA2070LNR	0.01	0.1	0.01	0.1
AshfordGreenCorridorsA2070LNR	0.01	0.1	0.01	0.1

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Receptor Site ID	Scenario 3 Development Specification vs without proposed Development (2030)		Illustrative Masterplan vs without proposed Development (2030)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
AshfordGreenCorridorsA2070LNR	0.00	0.0	0.00	0.0
AshfordGreenCorridorsA2070LNR	0.00	0.0	0.00	0.0
AshfordGreenCorridorsA2070LNR	0.00	0.0	0.00	0.0
AshfordGreenCorridorsA2070LNR	0.01	0.1	0.00	0.0
AshfordGreenCorridorsA2070LNR	0.00	0.0	0.00	0.0
AshfordGreenCorridorsA2070LNR	0.00	0.0	0.00	0.0
AshfordGreenCorridorsA2070LNR	0.00	0.0	0.00	0.0
AshfordGreenCorridorsM20E20m	0.04	0.4	0.04	0.4
AshfordGreenCorridorsM20E30m	0.03	0.3	0.03	0.3
AshfordGreenCorridorsM20E40m	0.02	0.2	0.02	0.2
AshfordGreenCorridorsM20E50m	0.02	0.2	0.02	0.2
AshfordGreenCorridorsM20E60m	0.01	0.1	0.01	0.1
AshfordGreenCorridorsM20E70m	0.02	0.2	0.01	0.1
AshfordGreenCorridorsM20E80m	0.01	0.1	0.01	0.1
AshfordGreenCorridorsM20E90m	0.01	0.1	0.01	0.1

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Appendix 6.9 – Operational Phase Scenario 2 and 3 Ecological Transect Results

Receptor Site ID	Scenario 3 Development Specification vs without proposed Development (2030)		Illustrative Masterplan vs without proposed Development (2030)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
AshfordGreenCorridorsM20E100m	0.01	0.1	0.01	0.1
AshfordGreenCorridorsM20E110m	0.01	0.1	0.01	0.1
AshfordGreenCorridorsM20E120m	0.01	0.1	0.01	0.1
AshfordGreenCorridorsM20E130m	0.01	0.1	0.01	0.1
AshfordGreenCorridorsM20E140m	0.01	0.1	0.01	0.1
AshfordGreenCorridorsM20E150m	0.01	0.1	0.00	0.0
AshfordGreenCorridorsM20E160m	0.01	0.1	0.01	0.1
AshfordGreenCorridorsM20E170m	0.01	0.1	0.01	0.1
AshfordGreenCorridorsM20E180m	0.00	0.0	0.00	0.0
AshfordGreenCorridorsM20E190m	0.00	0.0	0.00	0.0
AshfordGreenCorridorsM20E200m	0.01	0.1	0.01	0.1
AshfordGreenCorridorsM20W22m	0.03	0.3	0.03	0.3
AshfordGreenCorridorsM20W30m	0.03	0.3	0.03	0.3
AshfordGreenCorridorsM20W40m	0.02	0.2	0.02	0.2
AshfordGreenCorridorsM20W50m	0.02	0.2	0.02	0.2

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Receptor Site ID	Scenario 3 Development Specification vs without proposed Development (2030)		Illustrative Masterplan vs without proposed Development (2030)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
AshfordGreenCorridorsM20W60m	0.02	0.2	0.02	0.2
AshfordGreenCorridorsM20W70m	0.01	0.1	0.01	0.1
AshfordGreenCorridorsM20W80m	0.01	0.1	0.01	0.1
AshfordGreenCorridorsM20W90m	0.01	0.1	0.01	0.1
AshfordGreenCorridorsM20W100m	0.01	0.1	0.01	0.1
AshfordGreenCorridorsM20W110m	0.01	0.1	0.01	0.1
AshfordGreenCorridorsM20W120m	0.01	0.1	0.01	0.1
AshfordGreenCorridorsM20W130m	0.01	0.1	0.01	0.1
AshfordGreenCorridorsM20W140m	0.01	0.1	0.01	0.1
LympneEscarpmentSSSI_E40m	0.01	0.1	0.01	0.1
LympneEscarpmentSSSI_E50m	0.01	0.0	0.01	0.0
LympneEscarpmentSSSI_E60m	0.00	0.0	0.00	0.0
LympneEscarpmentSSSI_E70m	0.00	0.0	0.00	0.0
LympneEscarpmentSSSI_E80m	0.00	0.0	0.00	0.0
LympneEscarpmentSSSI_E90m	0.00	0.0	0.00	0.0

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Receptor Site ID	Scenario 3 Development Specification vs without proposed Development (2030)		Illustrative Masterplan vs without proposed Development (2030)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
LympneEscarpmentSSSI_E100m	0.00	0.0	0.00	0.0
LympneEscarpmentSSSI_E110m	0.00	0.0	0.00	0.0
LympneEscarpmentSSSI_E120m	0.00	0.0	0.00	0.0
LympneEscarpmentSSSI_E130m	0.00	0.0	0.00	0.0
LympneEscarpmentSSSI_E140m	0.00	0.0	0.00	0.0
LympneEscarpmentSSSI_E150m	0.00	0.0	0.00	0.0
LympneEscarpmentSSSI_E160m	0.00	0.0	0.00	0.0
LympneEscarpmentSSSI_E170m	0.00	0.0	0.00	0.0
LympneEscarpmentSSSI_E180m	0.00	0.0	0.00	0.0
LympneEscarpmentSSSI_E190m	0.00	0.0	0.00	0.0
LympneEscarpmentSSSI_E200m	0.00	0.0	0.00	0.0
ParkWoodAW31m	0.10	1.0	0.10	1.0
ParkWoodAW40m	0.08	0.8	0.08	0.8
ParkWoodAW50m	0.07	0.7	0.06	0.6
ParkWoodAW60m	0.06	0.6	0.05	0.5

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Appendix 6.9 – Operational Phase Scenario 2 and 3 Ecological Transect Results

Receptor Site ID	Scenario 3 Development Specification vs without proposed Development (2030)		Illustrative Masterplan vs without proposed Development (2030)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
ParkWoodAW70m	0.05	0.5	0.05	0.5
ParkWoodAW80m	0.04	0.4	0.04	0.4
ParkWoodAW90m	0.03	0.3	0.03	0.3
ParkWoodAW100m	0.03	0.3	0.03	0.3
ParkWoodAW110m	0.03	0.3	0.03	0.3
ParkWoodAW120m	0.03	0.3	0.02	0.2
ParkWoodAW130m	0.02	0.2	0.02	0.2
ParkWoodAW140m	0.02	0.2	0.02	0.2
ParkWoodAW150m	0.02	0.2	0.02	0.2
ParkWoodAW160m	0.02	0.2	0.02	0.2
ParkWoodAW170m	0.02	0.2	0.02	0.2
ParkWoodAW180m	0.01	0.1	0.01	0.1
ParkWoodAW190m	0.02	0.2	0.01	0.1
ParkWoodAW200m	0.01	0.1	0.01	0.1
KilnWoodAW175m	0.04	0.4	0.04	0.4

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Receptor Site ID	Scenario 3 Development Specification vs without proposed Development (2030)		Illustrative Masterplan vs without proposed Development (2030)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
KilnWoodAW180m	0.04	0.4	0.04	0.4
KilnWoodAW190m	0.03	0.3	0.04	0.4
KilnWoodAW200m	0.03	0.3	0.03	0.3
HouseWoodAW157m	0.08	0.8	0.07	0.7
HouseWoodAW160m	0.08	0.8	0.07	0.7
HouseWoodAW170m	0.07	0.7	0.07	0.7
HouseWoodAW180m	0.07	0.7	0.07	0.7
HouseWoodAW190m	0.07	0.7	0.07	0.7
HouseWoodAW200m	0.07	0.7	0.07	0.7
BartholemewsWoodAW5m	0.04	0.4	0.03	0.3
BartholemewsWoodAW10m	0.04	0.4	0.03	0.3
BartholemewsWoodAW20m	0.03	0.3	0.03	0.3
BartholemewsWoodAW30m	0.02	0.2	0.02	0.2
BartholemewsWoodAW40m	0.03	0.3	0.02	0.2
BartholemewsWoodAW50m	0.03	0.3	0.02	0.2

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Appendix 6.9 – Operational Phase Scenario 2 and 3 Ecological Transect Results

Receptor Site ID	Scenario 3 Development Specification vs without proposed Development (2030)		Illustrative Masterplan vs without proposed Development (2030)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
BartholemewsWoodAW60m	0.03	0.3	0.02	0.2
BartholemewsWoodAW70m	0.03	0.3	0.02	0.2
BartholemewsWoodAW80m	0.02	0.2	0.02	0.2
BartholemewsWoodAW90m	0.02	0.2	0.02	0.2
BartholemewsWoodAW100m	0.02	0.2	0.02	0.2
BartholemewsWoodAW110m	0.02	0.2	0.02	0.2
BartholemewsWoodAW120m	0.02	0.2	0.02	0.2
BartholemewsWoodAW130m	0.02	0.2	0.02	0.2
BartholemewsWoodAW140m	0.02	0.2	0.02	0.2
BartholemewsWoodAW150m	0.02	0.2	0.02	0.2
BartholemewsWoodAW160m	0.02	0.2	0.02	0.2
BartholemewsWoodAW170m	0.02	0.2	0.02	0.2
BartholemewsWoodAW180m	0.02	0.2	0.02	0.2
BartholemewsWoodAW190m	0.02	0.2	0.02	0.2
BartholemewsWoodAW200m	0.02	0.2	0.02	0.2

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Receptor Site ID	Scenario 3 Development Specification vs without proposed Development (2030)		Illustrative Masterplan vs without proposed Development (2030)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
CowtyeWoodAW_N10m	0.02	0.2	0.02	0.2
CowtyeWoodAW_N20m	0.02	0.2	0.02	0.2
CowtyeWoodAW_N30m	0.02	0.2	0.02	0.2
CowtyeWoodAW_N40m	0.02	0.2	0.02	0.2
CowtyeWoodAW_N50m	0.02	0.2	0.02	0.2
CowtyeWoodAW_N60m	0.02	0.2	0.02	0.2
CowtyeWoodAW_N70m	0.02	0.2	0.02	0.2
CowtyeWoodAW_N80m	0.02	0.2	0.02	0.2
CowtyeWoodAW_N90m	0.02	0.2	0.02	0.2
CowtyeWoodAW_N100m	0.02	0.2	0.02	0.2
CowtyeWoodAW_N110m	0.02	0.2	0.01	0.1
CowtyeWoodAW_N120m	0.02	0.2	0.02	0.2
CowtyeWoodAW_N130m	0.02	0.2	0.01	0.1
CowtyeWoodAW_N140m	0.02	0.2	0.02	0.2
CowtyeWoodAW_N150m	0.02	0.2	0.02	0.2

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Receptor Site ID	Scenario 3 Development Specification vs without proposed Development (2030)		Illustrative Masterplan vs without proposed Development (2030)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
CowtyeWoodAW_N160m	0.02	0.2	0.01	0.1
CowtyeWoodAW_N170m	0.02	0.2	0.01	0.1
CowtyeWoodAW_N180m	0.02	0.2	0.01	0.1
CowtyeWoodAW_N190m	0.02	0.2	0.01	0.1
CowtyeWoodAW_N200m	0.02	0.2	0.01	0.1
CowtyeWoodAW_S10m	0.02	0.2	0.02	0.2
CowtyeWoodAW_S20m	0.02	0.2	0.02	0.2
CowtyeWoodAW_S30m	0.02	0.2	0.02	0.2
CowtyeWoodAW_S40m	0.02	0.2	0.02	0.2
CowtyeWoodAW_S50m	0.02	0.2	0.02	0.2
CowtyeWoodAW_S60m	0.02	0.2	0.02	0.2
CowtyeWoodAW_S70m	0.02	0.2	0.02	0.2
CowtyeWoodAW_S80m	0.02	0.2	0.02	0.2
CowtyeWoodAW_S90m	0.02	0.2	0.02	0.2
CowtyeWoodAW_S100m	0.02	0.2	0.02	0.2

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Receptor Site ID	Scenario 3 Development Specification vs without proposed Development (2030)		Illustrative Masterplan vs without proposed Development (2030)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
CowtyeWoodAW_S110m	0.02	0.2	0.02	0.2
CowtyeWoodAW_S120m	0.02	0.2	0.02	0.2
CowtyeWoodAW_S130m	0.03	0.3	0.02	0.2
CowtyeWoodAW_S140m	0.02	0.2	0.02	0.2
CowtyeWoodAW_S150m	0.02	0.2	0.02	0.2
CowtyeWoodAW_S160m	0.03	0.3	0.02	0.2
CowtyeWoodAW_S170m	0.03	0.3	0.02	0.2
CowtyeWoodAW_S180m	0.03	0.3	0.03	0.3
CowtyeWoodAW_S190m	0.03	0.3	0.02	0.2
CowtyeWoodAW_S200m	0.03	0.3	0.02	0.2
GrangeAldersOakBanksAW_W170m	0.04	0.4	0.04	0.4
GrangeAldersOakBanksAW_W180m	0.04	0.4	0.03	0.3
GrangeAldersOakBanksAW_W190m	0.04	0.4	0.03	0.3
GrangeAldersOakBanksAW_W200m	0.03	0.3	0.03	0.3
HarringeBrooksWoodAW_LWS176m	0.00	0.0	0.00	0.0

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Receptor Site ID	Scenario 3 Development Specification vs without proposed Development (2030)		Illustrative Masterplan vs without proposed Development (2030)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
HarringeBrooksWoodAW_LWS180m	0.00	0.0	0.00	0.0
HarringeBrooksWoodAW_LWS190m	0.00	0.0	0.00	0.0
HarringeBrooksWoodAW_LWS200m	0.00	0.0	0.00	0.0
KillingWood_AW48m	0.01	0.1	0.01	0.1
KillingWood_AW50m	0.01	0.1	0.01	0.1
KillingWood_AW60m	0.01	0.1	0.01	0.1
KillingWood_AW70m	0.01	0.1	0.01	0.1
KillingWood_AW80m	0.01	0.1	0.01	0.1
KillingWood_AW90m	0.01	0.1	0.01	0.1
KillingWood_AW100m	0.01	0.1	0.01	0.1
KillingWood_AW110m	0.01	0.1	0.01	0.1
KillingWood_AW120m	0.01	0.1	0.01	0.1
KillingWood_AW130m	0.01	0.1	0.01	0.1
KillingWood_AW140m	0.01	0.1	0.01	0.1
KillingWood_AW150m	0.01	0.1	0.01	0.1

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Receptor Site ID	Scenario 3 Development Specification vs without proposed Development (2030)		Illustrative Masterplan vs without proposed Development (2030)	
	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load	Change in N Deposition (kg N ha ⁻¹ yr ⁻¹)	Change as % Critical Load
KillingWood_AW160m	0.01	0.1	0.01	0.1
KillingWood_AW170m	0.01	0.1	0.01	0.1
KillingWood_AW180m	0.00	0.0	0.00	0.0
KillingWood_AW190m	0.00	0.0	0.00	0.0
KillingWood_AW200m	0.01	0.1	0.00	0.0
PerryWood_AW132m	0.07	0.7	0.07	0.7
PerryWood_AW140m	0.07	0.7	0.06	0.6
PerryWood_AW150m	0.07	0.7	0.06	0.6
PerryWood_AW160m	0.06	0.6	0.05	0.5
PerryWood_AW170m	0.06	0.6	0.05	0.5
PerryWood_AW180m	0.06	0.6	0.05	0.5
PerryWood_AW190m	0.05	0.5	0.05	0.5
PerryWood_AW200m	0.05	0.5	0.05	0.5

Bold denotes that the change is >1% of site relevant lower critical load.

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