



Appendix 11.6

MODELLED RECEPTORS

11.6 Appendix 11.6 Modelled receptors

The Ordinance survey grid references, heights, address and background concentrations of the modelled existing for the receptors are presented in Table 1 for the operational traffic assessment and Table 2 for the construction traffic assessment. The majority of receptors have been modelled at 1.5 m to represent approximate breathing height. The exception to this are the receptors representing moored canal boats, which are modelled at 1m. This is to account for the typically low height of canal boats relative to roads.

Table 3 presents the locations and background concentrations at modelled ecological receptors. Ecological receptors have been modelled at ground level.

Operational

Table 1 Receptor locations, addresses and background concentrations for operational assessment

ID	X (m)	Y (m)	Z (m)	Address	Background concentration ($\mu\text{g}/\text{m}^3$)			
					NO ₂	NO _x	PM ₁₀	PM _{2.5}
R.1	447369.5	213079.4	1.5	Sandy Lane, Woodstock Road, Yarnton, Begbroke, Cherwell, OX5 1PU	10.9	14.5	15.3	9.9
R.2	447473.1	213069.8	1.5	Yarnton Nurseries, Sandy Lane, Yarnton, Cherwell, OX5 1PA	10.9	14.5	15.3	9.9
R.3	447447.6	212977.6	1.5	Woodstock Road, Yarnton, Cherwell, OX5 1PW	10.8	14.3	15.4	10.0
R.4	447526.3	212996.7	1.5	Yarnton, Cherwell, OX5 1PN	10.8	14.3	15.4	10.0
R.5	447493.9	212930.4	1.5	Woodstock Road, Yarnton, Cherwell, OX5 1PW	10.8	14.3	15.4	10.0
R.6	447718.4	212771	1.5	Yarnton, Cherwell, OX5 1PN	10.8	14.3	15.4	10.0
R.7	447586.8	212824.9	1.5	Woodstock Road, Yarnton, Cherwell, OX5 1PW	10.8	14.3	15.4	10.0
R.8	447637.8	212779.7	1.5	Post Office, Woodstock Road, Yarnton, Cherwell, OX5 1PL	10.8	14.3	15.4	10.0
R.9	447735.5	212694.1	1.5	Woodstock Road, Yarnton, Cherwell, OX5 1PL	10.8	14.3	15.4	10.0
R.10	447843.3	212609.5	1.5	The Garth, Woodstock Road, Yarnton, Cherwell, OX5 1PL	10.8	14.3	15.4	10.0
R.11	447987.3	212506.7	1.5	Royal Mail, Woodstock Road, Yarnton, Cherwell, OX5 1PL	10.8	14.3	15.4	10.0
R.12	448096.5	212396.1	1.5	Woodstock Road, Yarnton, Cherwell, OX5 1PL	12.4	16.7	15.3	10.0
R.13	448171.7	212350.2	1.5	The Turnpike PH, Woodstock Road, Yarnton, Cherwell, OX5 1PL	12.4	16.7	15.3	10.0
R.14	448245.3	212328.4	1.5	The Turnpike PH, Woodstock Road, Yarnton, Cherwell, OX5 1PL	12.4	16.7	15.3	10.0
R.15	448336.5	212230.4	1.5	The Turnpike, A44, Yarnton, Cherwell, OX5 1QH	12.4	16.7	15.3	10.0
R.16	448249	212251.4	1.5	The Turnpike PH, Woodstock Road, Yarnton, Cherwell, OX5 1PL	12.4	16.7	15.3	10.0

ID	X (m)	Y (m)	Z (m)	Address	Background concentration ($\mu\text{g}/\text{m}^3$)			
					NO ₂	NO _x	PM ₁₀	PM _{2.5}
R.17	448676	211848.7	1.5	Woodstock Road, Yarnton, Cherwell, OX5 1PH	12.9	17.5	14.6	9.6
R.18	448615.5	211865.5	1.5	Woodstock Road, Yarnton, Cherwell, OX5 1PH	12.9	17.5	14.6	9.6
R.19	448858.1	211694.1	1.5	Woodstock Road, Yarnton, Cherwell, OX5 1PH	12.9	17.5	14.6	9.6
R.20	448855.8	211639.4	1.5	Woodstock Road, Yarnton, Cherwell, OX5 1PH	12.9	17.5	14.6	9.6
R.21	448963.5	211610.1	1.5	Woodstock Road, Gosford and Water Eaton, Yarnton, Cherwell, OX5 1GD	12.9	17.5	14.6	9.6
R.22	449200.6	211158	1.5	A44, Gosford and Water Eaton, Cherwell, OX2 8JR	15.8	21.7	17.6	10.9
R.23	449135.3	211200.1	1.5	Loop Farm Bungalow, Woodstock Road, Gosford and Water Eaton, Yarnton, Cherwell, OX5 1GD	15.8	21.7	17.6	10.9
R.24	449510.7	211403.8	1.5	Frieze Way, Gosford and Water Eaton, Cherwell, OX2 8JR	15.8	21.7	17.6	10.9
R.25	449273.5	211119.1	1.5	Woodstock Road Junction, Frieze Way, Gosford and Water Eaton, Cherwell, OX2 8JR	15.8	21.7	17.6	10.9
R.26	449285	211066.6	1.5	A44, Gosford and Water Eaton, Cherwell, OX2 8JR	15.8	21.7	17.6	10.9
R.27	449491.2	211062.2	1.5	Holiday Inn, Woodstock Road, North Oxford, Oxford, OX2 8JD	15.8	21.7	17.6	10.9
R.28	449469.4	211016.3	1.5	Holiday Inn, Woodstock Road, North Oxford, Oxford, OX2 8JD	15.8	21.7	17.6	10.9
R.29	449419.3	210731.3	1.5	TRAX, Woodstock Road, Cutteslowe, North Oxford, Oxford, OX2 8JZ	16.8	23.2	17.2	11.0
R.30	449483	210219.7	1.5	Leonardo Royal Hotel Oxford, Godstow Road, Upper Wolvercote, Wolvercote, Oxford, OX2 8AL	16.8	23.2	17.2	11.0
R.31	449649.2	210248.9	1.5	Woodstock Road, Cutteslowe, North Oxford, Oxford, OX2 8JW	16.8	23.2	17.2	11.0
R.32	449688.2	210266.9	1.5	Woodstock Road, Cutteslowe, North Oxford, Oxford, OX2 8JW	16.8	23.2	17.2	11.0
R.33	449633.6	210352.6	1.5	Woodstock Road, Cutteslowe, North Oxford, Oxford, OX2 8JW	16.8	23.2	17.2	11.0
R.34	449768.2	210204.4	1.5	73, Sunderland Avenue, Cutteslowe, North Oxford, Oxford, OX2 8DU	16.8	23.2	17.2	11.0
R.35	449974.6	210212.7	1.5	Sunderland Avenue, Cutteslowe, North Oxford, Oxford, OX2 8DU	16.8	23.2	17.2	11.0
R.36	449853.3	210205.8	1.5	59, Sunderland Avenue, Cutteslowe, North Oxford, Oxford, OX2 8DU	16.8	23.2	17.2	11.0
R.37	450145.2	210232.3	1.5	Arden Lodge, 34, Sunderland Avenue, Cutteslowe, North Oxford, Oxford, OX2 8DX	14.1	19.1	15.7	10.5

ID	X (m)	Y (m)	Z (m)	Address	Background concentration ($\mu\text{g}/\text{m}^3$)			
					NO ₂	NO _x	PM ₁₀	PM _{2.5}
R.38	450348.9	210224.5	1.5	North Way, Cutteslowe, North Oxford, Oxford, OX2 8FA	14.1	19.1	15.7	10.5
R.39	450452.2	210224.2	1.5	Elsfield Way, Cutteslowe, North Oxford, Oxford, OX2 8EN	14.1	19.1	15.7	10.5
R.40	450547.2	210227	1.5	Cutteslowe, North Oxford, Oxford, OX2 8FX	14.1	19.1	15.7	10.5
R.41	450906.4	210229.1	1.5	Holt Weer Close, Cutteslowe, North Oxford, Oxford, OX2 8NW	14.1	19.1	15.7	10.5
R.42	449786.6	210166.8	1.5	71, Sunderland Avenue, Cutteslowe, North Oxford, Oxford, OX2 8DU	16.8	23.2	17.2	11.0
R.43	450015.8	210169.7	1.5	31, Sunderland Avenue, Cutteslowe, North Oxford, Oxford, OX2 8DT	14.1	19.1	15.7	10.5
R.44	450368.3	210184.5	1.5	1, Sunderland Avenue, Cutteslowe, North Oxford, Oxford, OX2 8DS	14.1	19.1	15.7	10.5
R.45	450745.9	210174.3	1.5	Elsfield Way, Cutteslowe, North Oxford, Oxford, OX2 7UF	14.1	19.1	15.7	10.5
R.46	451088.6	210147.8	1.5	Cutteslowe Primary School, Wren Road, Cutteslowe, North Oxford, Oxford, OX2 7SX	11.6	15.4	15.4	9.9
R.47	450450.9	210178.8	1.5	Elsfield Way, Cutteslowe, North Oxford, Oxford, OX2 8EN	14.1	19.1	15.7	10.5
R.48	450571.7	210174.7	1.5	Hawksmoor Road, Cutteslowe, North Oxford, Oxford, OX2 7UF	14.1	19.1	15.7	10.5
R.49	450194.8	210185.7	1.5	11A, Sunderland Avenue, Cutteslowe, North Oxford, Oxford, OX2 8DT	14.1	19.1	15.7	10.5
R.50	448740.9	209958.5	1.5	Wolvercote, Sunderland Avenue, Cutteslowe, North Oxford, Oxford, OX2 8HH	15.4	21.3	16.5	10.7
R.51	448681.8	209795.1	1.5	Baynams Drive, Wolvercote Paper Mill, Wolvercote, Oxford, OX2 8FP	15.4	21.3	16.5	10.7
R.52	448501.6	209438.6	1.5	226, Godstow Road, Lower Wolvercote, Wolvercote, Oxford, OX2 8PH	15.4	21.3	16.5	10.7
R.53	448479.4	208920.1	1.5	Godstow Abbey, Godstow Road, Godstow, Oxford, OX2 8PN	13.7	18.5	16.5	10.4
R.54	447779.4	208526	1.5	22, Western By-pass Road, Wytham, Vale of White Horse, OX2 8QP	10.2	13.4	14.4	9.3
R.55	448247.6	212209.3	1.5	Royal Mail, Cassington Road, Yarnton, Cherwell, OX5 1QA	12.4	16.7	15.3	10.0
R.56	448206	212075.8	1.5	Cassington Road, Yarnton, Cherwell	12.4	16.7	15.3	10.0
R.57	447941.3	211981.7	1.5	21, Hayday Close, Yarnton, Cherwell, OX5 1FS	10.6	14.0	16.0	9.7
R.58	447708.4	212015.8	1.5	152, Cassington Road, Yarnton, Cherwell, OX5 1QB	10.8	14.3	15.4	10.0
R.59	447760.5	211987.3	1.5	Paternoster Farm Shop, 107, Cassington Road, Yarnton, Cherwell, OX5 1QB	10.6	14.0	16.0	9.7
R.60	447631.8	212035.8	1.5	115a, Cassington Road, Yarnton, Cherwell, OX5 1QD	10.8	14.3	15.4	10.0

ID	X (m)	Y (m)	Z (m)	Address	Background concentration ($\mu\text{g}/\text{m}^3$)			
					NO ₂	NO _x	PM ₁₀	PM _{2.5}
R.61	447479.4	212019.9	1.5	The Red Lion, Cassington Road, Yarnton, Cherwell, OX5 1QD	10.8	14.3	15.4	10.0
R.62	447399.3	211997.2	1.5	Cassington Road, Yarnton, Cherwell, OX5 1QD	10.6	14.0	16.0	9.7
R.63	448132	212004.1	1.5	Cassington Road, Yarnton, Cherwell, OX5 1QB	12.4	16.7	15.3	10.0
R.64	445917.3	211572.5	1.5	Yarnton Road, Worton, Cassington, West Oxfordshire, OX29 4EB	9.1	11.9	15.2	9.5
R.65	445562	211250.9	1.5	Yarnton Road, Worton, Cassington, West Oxfordshire, OX29 4DY	9.1	11.9	15.2	9.5
R.66	445436.7	210726.3	1.5	Saint Peter's Church of England Primary School, The Green, Cassington, West Oxfordshire, OX29 4DN	10.4	13.7	14.6	9.6
R.67	445427.4	210871	1.5	Red Lion PH, The Green, Cassington, West Oxfordshire, OX29 4DG	10.4	13.7	14.6	9.6
R.68	445446.5	210900	1.5	Yarnton Road, Worton, Cassington, West Oxfordshire, OX29 4DY	10.4	13.7	14.6	9.6
R.69	445357.9	210716.5	1.5	Red Lion, The Green, Cassington, West Oxfordshire, OX29 4DG	10.4	13.7	14.6	9.6
R.70	445361.2	210660.6	1.5	Saint Peter's Church of England Primary School, The Green, Cassington, West Oxfordshire, OX29 4DN	10.4	13.7	14.6	9.6
R.71	445148.5	210432.7	1.5	Royal Mail, Eynsham Road, Cassington, West Oxfordshire, OX29 4DJ	10.4	13.7	14.6	9.6
R.72	445029.5	210375.7	1.5	Cassington, West Oxfordshire, OX29 4DF	10.4	13.7	14.6	9.6
R.73	445149.9	210372.5	1.5	A40, Cassington, West Oxfordshire, OX29 4DQ	10.4	13.7	14.6	9.6
R.74	445083.7	210371.7	1.5	Eynsham Road, Cassington, West Oxfordshire, OX29 4DJ	10.4	13.7	14.6	9.6
R.75	445537	210494.8	1.5	A40, Cassington, West Oxfordshire, OX29 4DQ	10.4	13.7	14.6	9.6
R.76	445099.1	210297.7	1.5	A40, Cassington, West Oxfordshire, OX29 4DE	10.4	13.7	14.6	9.6
R.77	443762.8	210134.1	1.5	J&S Accessories, A40, Eynsham, West Oxfordshire, OX29 4EN	9.2	11.9	15.0	9.6
R.78	443352.6	210024.5	1.5	Hanborough Road, Eynsham, West Oxfordshire, OX29 4LY	9.2	11.9	15.0	9.6
R.79	443400.6	210033.8	1.5	Hanborough Road, Eynsham, West Oxfordshire, OX29 4LY	9.2	11.9	15.0	9.6
R.80	442973.8	210021	1.5	Kingsley, A40, Eynsham, West Oxfordshire, OX29 4EF	8.3	10.7	14.0	9.2
R.81	442987.1	209976.3	1.5	Kingsley, A40, Eynsham, West Oxfordshire, OX29 4EF	9.1	11.8	14.8	9.7
R.82	443164.6	209979.4	1.5	Green's Road, Eynsham, West Oxfordshire, OX29 4NQ	9.5	12.4	14.7	10.0

ID	X (m)	Y (m)	Z (m)	Address	Background concentration ($\mu\text{g}/\text{m}^3$)			
					NO ₂	NO _x	PM ₁₀	PM _{2.5}
R.83	443515.6	210047.9	1.5	Hanborough Road, Eynsham, West Oxfordshire, OX29 4LY	9.2	11.9	15.0	9.6
R.84	442291.4	209980	1.5	A40, Barnard Gate, Eynsham, West Oxfordshire, OX29 4PU	9.1	11.8	14.8	9.7
R.85	442568.4	209939.2	1.5	Tilgarsley Road, Eynsham, West Oxfordshire, OX29 4PP	9.1	11.8	14.8	9.7
R.86	442148.3	209975.9	1.5	A40, Barnard Gate, Eynsham, West Oxfordshire, OX29 4PU	9.1	11.8	14.8	9.7
R.87	449447.5	210225.2	1.5	Leonardo Royal Hotel Oxford, Godstow Road, Upper Wolvercote, Wolvercote, Oxford, OX2 8AL	16.8	23.2	17.2	11.0
R.88	449618.9	210387.8	1.5	Woodstock Road, Cutteslowe, North Oxford, Oxford, OX2 8JW	16.8	23.2	17.2	11.0
R.89	449600.1	210431	1.5	Woodstock Road, Cutteslowe, North Oxford, Oxford, OX2 8JW	16.8	23.2	17.2	11.0
R.90	450269.7	213516.3	1.5	Miller & Carter, 117, Bicester Road, Gosford, Gosford and Water Eaton, Cherwell, OX5 2PX	13.6	18.3	16.8	10.9
R.91	450276.4	213537.4	1.5	Miller & Carter, 117, Bicester Road, Gosford, Gosford and Water Eaton, Cherwell, OX5 2PX	13.6	18.3	16.8	10.9
R.92	450256.3	213487	1.5	Miller & Carter, 117, Bicester Road, Gosford, Gosford and Water Eaton, Cherwell, OX5 2PX	13.6	18.3	16.8	10.9
R.93	450296	213531.3	1.5	Kings Arms, Bicester Road, Gosford, Gosford and Water Eaton, Cherwell, OX5 2PX	13.6	18.3	16.8	10.9
R.94	450280.1	213555	1.5	Kings Arms, Bicester Road, Gosford, Gosford and Water Eaton, Cherwell, OX5 2PX	13.6	18.3	16.8	10.9
R.95	450272.6	213524.7	1.5	Miller & Carter, 117, Bicester Road, Gosford, Gosford and Water Eaton, Cherwell, OX5 2PX	13.6	18.3	16.8	10.9
CanalR.1	448615.1	210551.8	1	Dukes Cut, Gosford and Water Eaton, Cherwell, OX2 8JT	15.5	21.4	16.2	10.4
CanalR.2	448684.1	210576.7	1	Dukes Cut, Gosford and Water Eaton, Cherwell, OX2 8JT	15.5	21.4	16.2	10.4
CanalR.3	448954.2	211548.1	1	Oxford Canal, King's Bridge, Gosford and Water Eaton, Yarnton, Cherwell, OX5 1GD	12.9	17.5	14.6	9.6
CanalR.4	448985.6	211572	1	Oxford Canal, Gosford and Water Eaton, Yarnton, Cherwell, OX5 1GD	12.9	17.5	14.6	9.6
CanalR.5	448880.1	210518.3	1	Oxford Canal, Gosford and Water Eaton, Cherwell, OX2 8JT	15.5	21.4	16.2	10.4
CanalR.6	448917.6	210469.9	1	Oxford Canal, Gosford and Water Eaton, Cherwell, OX2 8JT	15.5	21.4	16.2	10.4
CanalR.7	448997.6	210335.4	1	Oxford Canal, Cutteslowe, North Oxford, Oxford, OX2 8HH	15.5	21.4	16.2	10.4
CanalR.8	448208.6	209364.3	1	River Thames, Pixey and Yarnton Meads, Western By-pass Road, Gosford and Water Eaton, Cherwell, OX2 8FT	15.4	21.3	16.5	10.7

Construction

Table 2 Receptor locations, addresses and background concentrations for construction traffic assessment

ID	X (m)	Y (m)	Z (m)	Address	Background concentration ($\mu\text{g}/\text{m}^3$)			
					NO ₂	NO _x	PM ₁₀	PM _{2.5}
CR.1	447052.5	213775.8	1.5	The Royal Sun, Woodstock Road, Begbroke, Cherwell, OX5 1RZ	10.9	14.5	15.3	9.9
CR.2	447111.7	213804.1	1.5	Woodstock Road, Begbroke, Cherwell, OX5 1RZ	10.9	14.5	15.3	9.9
CR.3	447050.9	213835.7	1.5	The Royal Sun, Woodstock Road, Begbroke, Cherwell, OX5 1RZ	10.9	14.5	15.3	9.9
CR.4	447091.2	213911.7	1.5	Fernhill Road, Begbroke, Cherwell, OX5 1RP	10.9	14.5	15.3	9.9
CR.5	447026.5	214019.2	1.5	Royal Sun, Woodstock Road, Begbroke, Cherwell, OX5 1RH	12.3	16.5	16.9	11.7
CR.6	447065.6	214075.8	1.5	Woodstock Road East, Begbroke, Cherwell, OX5 1RQ	12.3	16.5	16.9	11.7
CR.7	447082.5	213981.7	1.5	2, Begbroke Lane, Begbroke, Cherwell, OX5 1RN	10.9	14.5	15.3	9.9
CR.8	447001.2	214109	1.5	Woodstock Road, Begbroke, Cherwell, OX5 1RH	12.3	16.5	16.9	11.7
CR.9	446922.9	214337	1.5	Woodstock Road, Begbroke, Cherwell, OX5 1RH	10.1	13.3	15.6	9.7
CR.10	446994.4	214319.2	1.5	Woodstock Road East, Begbroke, Cherwell, OX5 1RQ	10.1	13.3	15.6	9.7
CR.11	447369.4	213079.3	1.5	Sandy Lane, Woodstock Road, Yarnton, Begbroke, Cherwell, OX5 1PU	10.9	14.5	15.3	9.9
CR.12	447473.6	213069.4	1.5	Yarnton Nurseries, Sandy Lane, Yarnton, Cherwell, OX5 1PA	10.9	14.5	15.3	9.9
CR.13	447525.9	212996.7	1.5	Yarnton, Cherwell, OX5 1PN	10.8	14.3	15.4	10.0
CR.14	447447.5	212977.6	1.5	Woodstock Road, Yarnton, Cherwell, OX5 1PW	10.8	14.3	15.4	10.0
CR.15	447494.3	212930.2	1.5	Woodstock Road, Yarnton, Cherwell, OX5 1PW	10.8	14.3	15.4	10.0
CR.16	447586.9	212824.6	1.5	Woodstock Road, Yarnton, Cherwell, OX5 1PW	10.8	14.3	15.4	10.0
CR.17	447638.1	212779.4	1.5	Post Office, Woodstock Road, Yarnton, Cherwell, OX5 1PL	10.8	14.3	15.4	10.0
CR.18	447718.8	212770.4	1.5	Yarnton, Cherwell, OX5 1PN	10.8	14.3	15.4	10.0
CR.19	447735.4	212693.9	1.5	Woodstock Road, Yarnton, Cherwell, OX5 1PL	10.8	14.3	15.4	10.0
CR.20	447843.5	212609.5	1.5	The Garth, Woodstock Road, Yarnton, Cherwell, OX5 1PL	10.8	14.3	15.4	10.0
CR.21	447986.9	212506.6	1.5	Royal Mail, Woodstock Road, Yarnton, Cherwell, OX5 1PL	10.8	14.3	15.4	10.0

ID	X (m)	Y (m)	Z (m)	Address	Background concentration ($\mu\text{g}/\text{m}^3$)			
					NO ₂	NO _x	PM ₁₀	PM _{2.5}
CR.22	448096.7	212396.1	1.5	Woodstock Road, Yarnton, Cherwell, OX5 1PL	12.4	16.7	15.3	10.0
CR.23	448171.7	212350.3	1.5	The Turnpike PH, Woodstock Road, Yarnton, Cherwell, OX5 1PL	12.4	16.7	15.3	10.0
CR.24	448245.1	212328.5	1.5	The Turnpike PH, Woodstock Road, Yarnton, Cherwell, OX5 1PL	12.4	16.7	15.3	10.0
CR.25	448248.9	212251.2	1.5	The Turnpike PH, Woodstock Road, Yarnton, Cherwell, OX5 1PL	12.4	16.7	15.3	10.0
CR.26	448336.9	212230.7	1.5	The Turnpike, A44, Yarnton, Cherwell, OX5 1QH	12.4	16.7	15.3	10.0
CR.27	448615.1	211865.4	1.5	Woodstock Road, Yarnton, Cherwell, OX5 1PH	12.9	17.5	14.6	9.6
CR.28	448676.1	211848.7	1.5	Woodstock Road, Yarnton, Cherwell, OX5 1PH	12.9	17.5	14.6	9.6
CR.29	448858.3	211693.8	1.5	Woodstock Road, Yarnton, Cherwell, OX5 1PH	12.9	17.5	14.6	9.6
CR.30	448856.3	211639.9	1.5	Woodstock Road, Yarnton, Cherwell, OX5 1PH	12.9	17.5	14.6	9.6
CR.31	448963.4	211609.9	1.5	Woodstock Road, Gosford and Water Eaton, Yarnton, Cherwell, OX5 1GD	12.9	17.5	14.6	9.6
CR.32	449135.2	211199.9	1.5	Loop Farm Bungalow, Woodstock Road, Gosford and Water Eaton, Yarnton, Cherwell, OX5 1GD	15.8	21.7	17.6	10.9
CR.33	449200.6	211157.8	1.5	A44, Gosford and Water Eaton, Cherwell, OX2 8JR	15.8	21.7	17.6	10.9
CR.34	449272.4	211118.7	1.5	Woodstock Road Junction, Frieze Way, Gosford and Water Eaton, Cherwell, OX2 8JR	15.8	21.7	17.6	10.9
CR.35	449285.7	211066.8	1.5	A44, Gosford and Water Eaton, Cherwell, OX2 8JR	15.8	21.7	17.6	10.9
CR.36	449420.3	210733.7	1.5	TRAX, Woodstock Road, Cutteslowe, North Oxford, Oxford, OX2 8JZ	16.8	23.2	17.2	11.0
CR.37	449651.1	210248.5	1.5	Woodstock Road, Cutteslowe, North Oxford, Oxford, OX2 8JW	16.8	23.2	17.2	11.0
CR.38	449689.6	210265.6	1.5	Woodstock Road, Cutteslowe, North Oxford, Oxford, OX2 8JW	16.8	23.2	17.2	11.0
CR.39	449484.2	210219.4	1.5	Leonardo Royal Hotel Oxford, Godstow Road, Upper Wolvercote, Wolvercote, Oxford, OX2 8AL	16.8	23.2	17.2	11.0
CR.40	449634	210352.2	1.5	Woodstock Road, Cutteslowe, North Oxford, Oxford, OX2 8JW	16.8	23.2	17.2	11.0
CR.41	449768.6	210204.6	1.5	73, Sunderland Avenue, Cutteslowe, North Oxford, Oxford, OX2 8DU	16.8	23.2	17.2	11.0
CR.42	449786.5	210166.9	1.5	71, Sunderland Avenue, Cutteslowe, North Oxford, Oxford, OX2 8DU	16.8	23.2	17.2	11.0

ID	X (m)	Y (m)	Z (m)	Address	Background concentration ($\mu\text{g}/\text{m}^3$)			
					NO ₂	NO _x	PM ₁₀	PM _{2.5}
CR.43	449853.6	210205.7	1.5	59, Sunderland Avenue, Cutteslowe, North Oxford, Oxford, OX2 8DU	16.8	23.2	17.2	11.0
CR.44	449975	210212.7	1.5	Sunderland Avenue, Cutteslowe, North Oxford, Oxford, OX2 8DU	16.8	23.2	17.2	11.0
CR.45	450015.4	210169.7	1.5	31, Sunderland Avenue, Cutteslowe, North Oxford, Oxford, OX2 8DT	14.1	19.1	15.7	10.5
CR.46	450145.2	210232.3	1.5	Arden Lodge, 34, Sunderland Avenue, Cutteslowe, North Oxford, Oxford, OX2 8DX	14.1	19.1	15.7	10.5
CR.47	450195	210185.7	1.5	11A, Sunderland Avenue, Cutteslowe, North Oxford, Oxford, OX2 8DT	14.1	19.1	15.7	10.5
CR.48	450349.2	210225	1.5	North Way, Cutteslowe, North Oxford, Oxford, OX2 8FA	14.1	19.1	15.7	10.5
CR.49	450368.8	210184.9	1.5	1, Sunderland Avenue, Cutteslowe, North Oxford, Oxford, OX2 8DS	14.1	19.1	15.7	10.5
CR.50	450452.6	210224.5	1.5	Elsfield Way, Cutteslowe, North Oxford, Oxford, OX2 8EN	14.1	19.1	15.7	10.5
CR.51	450451.2	210178.8	1.5	Elsfield Way, Cutteslowe, North Oxford, Oxford, OX2 8EN	14.1	19.1	15.7	10.5
CR.52	450547.1	210226.8	1.5	Cutteslowe, North Oxford, Oxford, OX2 8FX	14.1	19.1	15.7	10.5
CR.53	450571.7	210174.7	1.5	Hawksmoor Road, Cutteslowe, North Oxford, Oxford, OX2 7UF	14.1	19.1	15.7	10.5
CR.54	450746.1	210174.2	1.5	Elsfield Way, Cutteslowe, North Oxford, Oxford, OX2 7UF	14.1	19.1	15.7	10.5
CR.55	450906.2	210229.2	1.5	Holt Weer Close, Cutteslowe, North Oxford, Oxford, OX2 8NW	14.1	19.1	15.7	10.5
CR.56	451088.5	210147.7	1.5	Cutteslowe Primary School, Wren Road, Cutteslowe, North Oxford, Oxford, OX2 7SX	11.6	15.4	15.4	9.9
CR.57	449471	211016.1	1.5	Holiday Inn, Woodstock Road, North Oxford, Oxford, OX2 8JD	15.8	21.7	17.6	10.9
CR.58	449491.8	211062.9	1.5	Holiday Inn, Woodstock Road, North Oxford, Oxford, OX2 8JD	15.8	21.7	17.6	10.9
CR.59	446584.2	215048.7	1.5	Woodstock Road, Begbroke, Cherwell, OX20 1QP	10.6	14.0	14.6	9.4
CR.60	446507.8	215086.3	1.5	Woodstock Road, Begbroke, Cherwell, OX20 1QE	10.6	14.0	14.6	9.4
CR.61	446495	215167.3	1.5	Woodstock Road, Begbroke, Cherwell, OX20 1QP	10.6	14.0	14.6	9.4
CR.62	445614.4	215817.4	1.5	Oxford Road, Shipton-on-Cherwell and Thrupp, Cherwell, OX20 1QS	9.2	12.0	14.8	9.4
CR.63	445501.1	215990.2	1.5	Bladon Chains Caravan Club Park, Oxford Road, Woodstock, West Oxfordshire, OX20 1QS	9.2	12.0	14.8	9.4
CR.64	445276	216034.9	1.5	Ridge & Partners, Oxford Road, Woodstock, West Oxfordshire, OX20 1QS	8.9	11.5	14.4	9.4

ID	X (m)	Y (m)	Z (m)	Address	Background concentration ($\mu\text{g}/\text{m}^3$)			
					NO ₂	NO _x	PM ₁₀	PM _{2.5}
CR.65	445393.9	216101.1	1.5	Parsons Drive, Woodstock, West Oxfordshire, OX20 1GD	8.9	11.5	14.4	9.4
CR.66	449447.5	210225.3	1.5	Leonardo Royal Hotel Oxford, Godstow Road, Upper Wolvercote, Wolvercote, Oxford, OX2 8AL	16.8	23.2	17.2	11.0
CR.67	449618.6	210387	1.5	Woodstock Road, Cutteslowe, North Oxford, Oxford, OX2 8JW	16.8	23.2	17.2	11.0
CR.68	449600.1	210431.1	1.5	Woodstock Road, Cutteslowe, North Oxford, Oxford, OX2 8JW	16.8	23.2	17.2	11.0
CanalR.4	448985.2	211571.9	1	Oxford Canal, King's Bridge, Gosford and Water Eaton, Yarnton, Cherwell, OX5 1GD	12.9	17.5	14.6	9.6
CanalR.3	448954	211548.2	1	Oxford Canal, King's Bridge, Gosford and Water Eaton, Yarnton, Cherwell, OX5 1GD	12.9	17.5	14.6	9.6

Table 3 Locations and background concentrations of modelled ecological receptors

ID	X (m)	Y (m)	Z (m)	Site	Background concentration ($\mu\text{g}/\text{m}^3$)		
					NO ₂	NO _x	NH ₃
OxM.1	448220.5	209558.3	0	Oxford Meadows SAC	15.4	21.3	2.17
OxM.2	448334.6	209751.2	0	Oxford Meadows SAC	15.4	21.3	2.17
OxM.3	448405.8	209858.8	0	Oxford Meadows SAC	15.4	21.3	2.17
OxM.4	448550.8	210000.5	0	Oxford Meadows SAC	15.5	21.4	2.17
OxM.5	448570.6	209981.3	0	Oxford Meadows SAC	15.4	21.3	2.17
OxM.6	448160.8	209384.0	0	Oxford Meadows SAC	15.4	21.3	2.17
OxM.7	448303.0	209600.2	0	Oxford Meadows SAC	15.4	21.3	2.17
OxM.8	448414.9	209782.6	0	Oxford Meadows SAC	15.4	21.3	2.17
OxM.9	448633.8	210115.0	0	Oxford Meadows SAC	15.5	21.4	2.17
OxM.10	446707.0	210580.3	0	Oxford Meadows SAC	10.9	14.5	2.17
OxM.11	448402.0	210609.9	0	Oxford Meadows SAC	15.5	21.4	2.17
OxM.12	447703.5	210698.5	0	Oxford Meadows SAC	12.4	16.7	2.17
OxM.13	448078.5	210688.7	0	Oxford Meadows SAC	15.5	21.4	2.17
Meadows_w_O xC.1	448976.8	211688.5	0	Meadows west of oxford canal LWS	12.9	17.5	2.17
Meadows_w_O xC.2	449008.1	211665.5	0	Meadows west of oxford canal LWS	15.8	21.7	2.17
Meadows_w_O xC.3	448886.3	211698.2	0	Meadows west of oxford canal LWS	12.9	17.5	2.17
Meadows_w_O xC.4	448934.1	211680.7	0	Meadows west of oxford canal LWS	12.9	17.5	2.17
Meadows_w_O xC.5	449039.7	211655.5	0	Meadows west of oxford canal LWS	15.8	21.7	2.17