



West Winch Housing Access Road

Environmental Statement, Chapter 6: Air Quality, Appendix 6: Ecological Receptor Results

Author: WSP

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1 Operational Phase: Ecological Receptor Results

1.1 Introduction

1.1.1 Table 1-1 to Table 1-12 outline the operational phase ecological receptor results.

1.2 Change in Nitrogen Dioxide (NO_x) Concentrations at Ecological Receptors

Table 1-1 Model Predicted NO_x Concentrations, Base 2019 and Projected Base 2027

Receptor ID	Distance from road edge (m)	NO _x Critical level (CLvl, µg/m ³)	X (m)	Y (m)	2019 Base Road NO _x (µg/m ³)	2019 Base Background NO _x (µg/m ³)	2019 Base Total NO _x (µg/m ³)	Projected Base Road NO _x (µg/m ³)	Projected Base Background NO _x (µg/m ³)	Projected Base Total NO _x (µg/m ³)	Change NO _x (µg/m ³)	CLvl % Change Relative to CLvl
Eco1_6	6	30	563070.5	316535.9	26.49	11.16	37.65	13.16	8.50	21.66	-15.99	-0.53
Eco1_10	10	30	563066.5	316535.7	18.86	11.16	30.02	9.37	8.50	17.87	-12.15	-0.41
Eco1_20	20	30	563056.5	316535.1	11.57	11.16	22.74	5.75	8.50	14.25	-8.49	-0.28
Eco1_30	30	30	563046.5	316534.4	8.65	11.16	19.82	4.30	8.50	12.80	-7.02	-0.23
Eco1_40	40	30	563036.6	316533.8	7.02	11.16	18.19	3.49	8.50	11.99	-6.20	-0.21
Eco1_50	50	30	563026.6	316533.2	5.96	11.16	17.12	2.96	8.50	11.46	-5.66	-0.19
Eco1_60	60	30	563016.6	316532.6	5.19	11.16	16.36	2.58	8.50	11.08	-5.28	-0.18
Eco1_70	70	30	563006.6	316531.9	4.61	11.16	15.77	2.29	8.50	10.79	-4.98	-0.17
Eco1_80	80	30	562996.6	316531.3	4.15	10.31	14.45	2.06	8.11	10.17	-4.28	-0.14
Eco1_90	90	30	562986.6	316530.7	3.76	10.31	14.07	1.87	8.11	9.98	-4.09	-0.14
Eco1_100	100	30	562976.7	316530.1	3.44	10.31	13.75	1.71	8.11	9.82	-3.93	-0.13
Eco1_110	110	30	562966.7	316529.4	3.18	10.31	13.49	1.58	8.11	9.69	-3.80	-0.13
Eco1_120	120	30	562956.7	316528.8	2.94	10.31	13.25	1.46	8.11	9.57	-3.67	-0.12
Eco1_130	130	30	562946.8	316528.2	2.74	10.31	13.05	1.36	8.11	9.47	-3.57	-0.12
Eco1_140	140	30	562936.8	316527.6	2.58	10.31	12.89	1.28	8.11	9.39	-3.50	-0.12
Eco1_150	150	30	562926.8	316526.9	2.42	10.31	12.72	1.20	8.11	9.31	-3.41	-0.11
Eco1_160	160	30	562916.8	316526.3	2.27	10.31	12.58	1.13	8.11	9.24	-3.34	-0.11
Eco1_170	170	30	562906.8	316525.7	2.15	10.31	12.46	1.07	8.11	9.18	-3.28	-0.11
Eco1_180	180	30	562896.8	316525.0	2.05	10.31	12.36	1.02	8.11	9.13	-3.23	-0.11
Eco1_190	190	30	562886.8	316524.4	1.95	10.31	12.26	0.97	8.11	9.08	-3.18	-0.11
Eco1_200	200	30	562876.9	316523.8	1.87	10.31	12.18	0.93	8.11	9.04	-3.14	-0.10
Eco2_177	177	30	562684.6	315309.6	0.76	10.12	10.89	0.38	7.94	8.32	-2.57	-0.09
Eco2_180	180	30	562682.3	315309.7	0.76	10.12	10.89	0.38	7.94	8.31	-2.57	-0.09
Eco2_190	190	30	562672.3	315310.2	0.72	10.12	10.85	0.36	7.94	8.30	-2.55	-0.08
Eco2_200	200	30	562662.3	315310.6	0.70	10.12	10.83	0.35	7.94	8.29	-2.54	-0.08
Eco3_200	200	30	563319.9	314140.8	1.35	10.32	11.67	0.67	7.88	8.56	-3.11	-0.10
Eco3_185	185	30	563333.7	314143.9	1.47	10.32	11.79	0.73	7.88	8.61	-3.18	-0.11
Eco3_190	190	30	563329.6	314143.0	1.43	10.32	11.75	0.71	7.88	8.59	-3.16	-0.11
Eco4_10.3	10.3	30	564211.7	317121.9	12.16	11.16	23.31	6.04	8.51	14.55	-8.76	-0.29
Eco4_20	20	30	564204.1	317115.8	7.79	11.16	18.95	3.87	8.51	12.39	-6.56	-0.22
Eco4_30	30	30	564196.4	317109.4	5.96	11.16	17.11	2.96	8.51	11.47	-5.65	-0.19
Eco4_40	40	30	564188.6	317103.1	4.91	11.16	16.07	2.44	8.51	10.96	-5.11	-0.17
Eco4_50	50	30	564180.9	317096.8	4.25	11.16	15.40	2.11	8.51	10.62	-4.78	-0.16

Receptor ID	Distance from road edge (m)	NO _x Critical level (CLvl, µg/m ³)	X (m)	Y (m)	2019 Base Road NO _x (µg/m ³)	2019 Base Background NO _x (µg/m ³)	2019 Base Total NO _x (µg/m ³)	Projected Base Road NO _x (µg/m ³)	Projected Base Background NO _x (µg/m ³)	Projected Base Total NO _x (µg/m ³)	Change NO _x (µg/m ³)	CLvl % Change Relative to CLvl
Eco4_60	60	30	564173.2	317090.5	3.74	11.16	14.90	1.86	8.51	10.38	-4.52	-0.15
Eco4_70	70	30	564165.4	317084.1	3.38	11.16	14.54	1.68	8.51	10.19	-4.35	-0.14
Eco4_80	80	30	564157.7	317077.8	3.08	11.16	14.24	1.53	8.51	10.04	-4.20	-0.14
Eco4_90	90	30	564149.9	317071.5	2.82	11.16	13.97	1.40	8.51	9.92	-4.06	-0.14
Eco4_100	100	30	564142.2	317065.1	2.62	11.16	13.77	1.30	8.51	9.81	-3.96	-0.13
Eco4_110	110	30	564134.4	317058.8	2.46	11.16	13.61	1.22	8.51	9.73	-3.88	-0.13
Eco4_120	120	30	564126.8	317052.5	2.29	11.16	13.45	1.14	8.51	9.65	-3.80	-0.13
Eco4_130	130	30	564119.0	317046.1	2.17	11.16	13.33	1.08	8.51	9.59	-3.74	-0.12
Eco4_140	140	30	564111.3	317039.8	2.05	11.16	13.21	1.02	8.51	9.53	-3.68	-0.12
Eco4_150	150	30	564103.5	317033.5	1.95	11.16	13.11	0.97	8.51	9.49	-3.62	-0.12
Eco4_160	160	30	564095.8	317027.2	1.87	11.16	13.03	0.93	8.51	9.44	-3.59	-0.12
Eco4_170	170	30	564088.0	317020.8	1.79	11.16	12.95	0.89	8.51	9.40	-3.54	-0.12
Eco4_180	180	30	564080.3	317014.5	1.73	11.16	12.89	0.86	8.51	9.37	-3.52	-0.12
Eco4_190	190	30	564072.6	317008.2	1.67	11.16	12.83	0.83	8.51	9.34	-3.49	-0.12
Eco4_200	200	30	564064.8	317001.8	1.61	11.16	12.77	0.80	8.51	9.31	-3.45	-0.12
Eco5_43	43	30	564003.5	316905.5	1.25	10.87	12.12	0.62	8.24	8.86	-3.27	-0.11
Eco5_50	50	30	564008.6	316909.8	1.25	10.87	12.12	0.62	8.24	8.86	-3.26	-0.11
Eco5_60	60	30	564016.1	316916.3	1.27	10.87	12.14	0.63	8.24	8.87	-3.27	-0.11
Eco5_70	70	30	564023.8	316922.8	1.31	10.87	12.18	0.65	8.24	8.89	-3.30	-0.11
Eco5_80	80	30	564031.4	316929.3	1.33	10.87	12.20	0.66	8.24	8.90	-3.31	-0.11
Eco5_90	90	30	564038.9	316935.8	1.35	10.87	12.22	0.67	8.24	8.91	-3.31	-0.11
Eco5_100	100	30	564046.6	316942.3	1.39	10.87	12.26	0.69	8.24	8.93	-3.34	-0.11
Eco5_110	110	30	564054.1	316948.8	1.41	10.87	12.28	0.70	8.24	8.94	-3.34	-0.11
Eco5_120	120	30	564061.8	316955.3	1.45	10.87	12.32	0.72	8.24	8.96	-3.36	-0.11
Eco5_130	130	30	564069.4	316961.8	1.49	10.87	12.36	0.74	8.24	8.98	-3.38	-0.11
Eco5_140	140	30	564076.9	316968.3	1.53	10.87	12.40	0.76	8.24	9.00	-3.40	-0.11
Eco5_150	150	30	564084.6	316974.8	1.59	10.87	12.46	0.79	8.24	9.03	-3.44	-0.11
Eco5_160	160	30	564092.1	316981.3	1.65	10.87	12.53	0.82	8.24	9.05	-3.47	-0.12
Eco5_170	170	30	564099.8	316987.8	1.71	10.87	12.59	0.85	8.24	9.08	-3.50	-0.12
Eco5_180	180	30	564107.4	316994.3	1.77	10.87	12.65	0.88	8.24	9.12	-3.53	-0.12
Eco5_190	190	30	564114.9	317000.8	1.85	11.16	13.01	0.92	8.51	9.43	-3.58	-0.12
Eco5_200	200	30	564122.6	317007.3	1.93	11.16	13.09	0.96	8.51	9.47	-3.62	-0.12
Eco7_50	50	30	563247.5	316354.9	2.64	11.16	13.80	1.31	8.50	9.81	-3.99	-0.13
Eco7_60	60	30	563257.3	316356.9	2.50	11.16	13.66	1.24	8.50	9.74	-3.92	-0.13
Eco7_70	70	30	563267.1	316359.0	2.37	11.16	13.54	1.18	8.50	9.68	-3.86	-0.13
Eco7_80	80	30	563276.9	316361.1	2.27	11.16	13.44	1.13	8.50	9.63	-3.81	-0.13

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Eco7_90	90	30	563286.6	316363.1	2.17	11.16	13.34	1.08	8.50	9.58	-3.76	-0.13
Eco7_100	100	30	563296.4	316365.2	2.09	11.16	13.26	1.04	8.50	9.54	-3.72	-0.12
Eco7_110	110	30	563306.2	316367.3	2.01	11.16	13.18	1.00	8.50	9.50	-3.68	-0.12
Eco7_120	120	30	563316.0	316369.3	1.95	11.16	13.12	0.97	8.50	9.46	-3.65	-0.12
Eco6_82	82	30	561602.8	318045.4	3.62	17.46	21.09	1.80	12.82	14.62	-6.47	-0.22
Eco6_90	90	30	561599.4	318039.1	3.46	17.46	20.92	1.72	12.82	14.53	-6.39	-0.21
Eco6_100	100	30	561594.6	318030.3	3.24	17.46	20.70	1.61	12.82	14.43	-6.27	-0.21
Eco6_110	110	30	561589.9	318021.4	3.06	17.46	20.52	1.52	12.82	14.34	-6.18	-0.21
Eco6_120	120	30	561585.3	318012.6	2.92	17.46	20.38	1.45	12.82	14.26	-6.12	-0.20
Eco6_130	130	30	561580.5	318003.8	2.78	17.46	20.24	1.38	12.82	14.19	-6.05	-0.20
Eco6_140	140	30	561575.8	317995.0	2.66	14.06	16.72	1.32	11.42	12.74	-3.98	-0.13
Eco6_150	150	30	561571.1	317986.2	2.54	14.06	16.60	1.26	11.42	12.68	-3.91	-0.13
Eco6_160	160	30	561566.4	317977.3	2.44	14.06	16.49	1.21	11.42	12.63	-3.86	-0.13
Eco6_170	170	30	561561.7	317968.5	2.35	14.06	16.41	1.17	11.42	12.59	-3.82	-0.13
Eco6_180	180	30	561556.9	317959.7	2.25	14.06	16.31	1.12	11.42	12.55	-3.77	-0.13
Eco6_190	190	30	561552.3	317950.9	2.19	14.06	16.25	1.09	11.42	12.51	-3.74	-0.12
Eco6_196	196	30	561549.4	317945.6	2.13	14.06	16.19	1.06	11.42	12.49	-3.70	-0.12
Eco8_200	200	30	565733.3	321570.9	2.25	12.20	14.46	1.12	9.28	10.40	-4.06	-0.14
Eco8_120	120	30	565804.0	321533.6	3.36	12.20	15.56	1.67	9.28	10.95	-4.61	-0.15
Eco8_90	90	30	565830.6	321519.7	4.17	12.20	16.37	2.07	9.28	11.36	-5.01	-0.17
Eco8_100	100	30	565821.7	321524.3	3.86	12.20	16.07	1.92	9.28	11.20	-4.87	-0.16
Eco8_70	70	30	565848.3	321510.3	5.01	12.20	17.21	2.49	9.28	11.77	-5.45	-0.18
Eco8_80	80	30	565839.4	321515.0	4.55	12.20	16.75	2.26	9.28	11.54	-5.21	-0.17
Eco8_190	190	30	565742.1	321566.3	2.33	12.20	14.54	1.16	9.28	10.45	-4.09	-0.14
Eco8_170	170	30	565759.8	321556.9	2.56	12.20	14.76	1.27	9.28	10.55	-4.20	-0.14
Eco8_180	180	30	565750.9	321561.6	2.46	12.20	14.66	1.22	9.28	10.50	-4.16	-0.14
Eco8_150	150	30	565777.4	321547.6	2.84	12.20	15.04	1.41	9.28	10.69	-4.35	-0.15
Eco8_160	160	30	565768.6	321552.3	2.70	12.20	14.90	1.34	9.28	10.62	-4.28	-0.14
Eco8_50	50	30	565865.9	321501.0	6.34	12.20	18.54	3.15	9.28	12.43	-6.11	-0.20
Eco8_60	60	30	565857.1	321505.7	5.58	12.20	17.78	2.77	9.28	12.05	-5.72	-0.19
Eco8_30	30	30	565883.6	321491.7	9.10	12.20	21.30	4.52	9.28	13.80	-7.50	-0.25
Eco8_40	40	30	565874.8	321496.3	7.41	12.20	19.61	3.68	9.28	12.96	-6.64	-0.22
Eco8_10	10	30	565901.3	321482.3	19.95	12.20	32.15	9.91	9.28	19.20	-12.95	-0.43
Eco8_20	20	30	565892.5	321487.0	12.20	12.20	24.40	6.06	9.28	15.34	-9.06	-0.30
Eco8_130	130	30	565795.1	321538.3	3.16	12.20	15.36	1.57	9.28	10.85	-4.51	-0.15
Eco8_140	140	30	565786.3	321542.9	2.98	12.20	15.18	1.48	9.28	10.77	-4.41	-0.15

Receptor ID	Distance from road edge (m)	NO _x Critical level (CLvl, µg/m ³)	X (m)	Y (m)	2019 Base Road NO _x (µg/m ³)	2019 Base Background NO _x (µg/m ³)	2019 Base Total NO _x (µg/m ³)	Projected Base Road NO _x (µg/m ³)	Projected Base Background NO _x (µg/m ³)	Projected Base Total NO _x (µg/m ³)	Change NO _x (µg/m ³)	CLvl % Change Relative to CLvl
Eco8_110	110	30	565812.9	321529.0	3.60	12.20	15.80	1.79	9.28	11.07	-4.74	-0.16
Eco12_180	180	30	566019.1	322037.6	2.48	12.65	15.12	1.23	9.35	10.58	-4.54	-0.15
Eco11_172	172	30	565989.1	321967.5	2.56	12.20	14.76	1.27	9.28	10.56	-4.20	-0.14
Eco10_162	162	30	565959.1	321897.6	2.68	12.20	14.88	1.33	9.28	10.61	-4.27	-0.14
Eco9_120	120	30	565779.1	321487.6	3.34	12.20	15.54	1.66	9.28	10.94	-4.60	-0.15

Table 1-2 Model Predicted NO_x Concentrations, 2027 DM and DS

Receptor ID	Distance from road edge (m)	CLvl	X (m)	Y (m)	DM Road NO _x (µg/m ³)	DM Background NO _x (µg/m ³)	DM Total NO _x (µg/m ³)	DS Road NO _x (µg/m ³)	DS Background NO _x (µg/m ³)	DS Total NO _x (µg/m ³)	Change NO _x (µg/m ³)	CLvl % Change Relative to CLvl
Eco1_6	6	30	563070.5	316535.9	10.18	8.50	18.68	3.54	8.50	12.04	-0.97	-0.03
Eco1_10	10	30	563066.5	316535.7	7.25	8.50	15.74	2.46	8.50	10.95	-0.76	-0.03
Eco1_20	20	30	563056.5	316535.1	4.45	8.50	12.95	1.47	8.50	9.97	-0.52	-0.02
Eco1_30	30	30	563046.5	316534.4	3.32	8.50	11.82	1.09	8.50	9.59	-0.42	-0.01
Eco1_40	40	30	563036.6	316533.8	2.70	8.50	11.20	0.89	8.50	9.38	-0.36	-0.01
Eco1_50	50	30	563026.6	316533.2	2.27	8.50	10.77	0.76	8.50	9.26	-0.30	-0.01
Eco1_60	60	30	563016.6	316532.6	1.99	8.50	10.49	0.68	8.50	9.18	-0.26	-0.01
Eco1_70	70	30	563006.6	316531.9	1.77	8.50	10.27	0.62	8.50	9.12	-0.22	-0.01
Eco1_80	80	30	562996.6	316531.3	1.59	8.11	9.70	0.58	8.11	8.69	-0.20	-0.01
Eco1_90	90	30	562986.6	316530.7	1.43	8.11	9.54	0.54	8.11	8.65	-0.18	-0.01
Eco1_100	100	30	562976.7	316530.1	1.31	8.11	9.42	0.50	8.11	8.61	-0.16	-0.01
Eco1_110	110	30	562966.7	316529.4	1.21	8.11	9.32	0.48	8.11	8.59	-0.14	0.00
Eco1_120	120	30	562956.7	316528.8	1.13	8.11	9.24	0.46	8.11	8.57	-0.14	0.00
Eco1_130	130	30	562946.8	316528.2	1.05	8.11	9.16	0.44	8.11	8.55	-0.12	0.00
Eco1_140	140	30	562936.8	316527.6	0.99	8.11	9.10	0.42	8.11	8.53	-0.12	0.00
Eco1_150	150	30	562926.8	316526.9	0.93	8.11	9.04	0.42	8.11	8.53	-0.10	0.00
Eco1_160	160	30	562916.8	316526.3	0.87	8.11	8.98	0.40	8.11	8.51	-0.10	0.00
Eco1_170	170	30	562906.8	316525.7	0.83	8.11	8.94	0.38	8.11	8.49	-0.10	0.00
Eco1_180	180	30	562896.8	316525.0	0.78	8.11	8.90	0.38	8.11	8.49	-0.08	0.00
Eco1_190	190	30	562886.8	316524.4	0.74	8.11	8.86	0.36	8.11	8.47	-0.08	0.00

Receptor ID	Distance from road edge (m)	Clvl	X (m)	Y (m)	DM Road NOx (µg/m3)	DM Background NOx (µg/m3)	DM Total NOx (µg/m3)	DS Road NOx (µg/m3)	DS Background NOx (µg/m3)	DS Total NOx (µg/m3)	Change NOx (µg/m3)	CLvl % Change Relative to CLvl
Eco1_200	200	30	562876.9	316523.8	0.70	8.11	8.82	0.36	8.11	8.47	-0.06	0.00
Eco2_177	177	30	562684.6	315309.6	0.30	7.94	8.24	0.26	7.94	8.20	0.00	0.00
Eco2_180	180	30	562682.3	315309.7	0.28	7.94	8.22	0.26	7.94	8.20	0.00	0.00
Eco2_190	190	30	562672.3	315310.2	0.28	7.94	8.22	0.24	7.94	8.18	0.00	0.00
Eco2_200	200	30	562662.3	315310.6	0.26	7.94	8.20	0.24	7.94	8.18	0.00	0.00
Eco3_200	200	30	563319.9	314140.8	0.52	7.88	8.41	0.52	7.88	8.41	0.06	0.00
Eco3_185	185	30	563333.7	314143.9	0.56	7.88	8.45	0.56	7.88	8.45	0.06	0.00
Eco3_190	190	30	563329.6	314143.0	0.54	7.88	8.43	0.56	7.88	8.45	0.06	0.00
Eco4_10.3	10.3	30	564211.7	317121.9	4.81	8.51	13.32	6.16	8.51	14.67	1.95	0.07
Eco4_20	20	30	564204.1	317115.8	3.08	8.51	11.59	3.72	8.51	12.24	0.87	0.03
Eco4_30	30	30	564196.4	317109.4	2.33	8.51	10.85	2.76	8.51	11.27	0.44	0.01
Eco4_40	40	30	564188.6	317103.1	1.93	8.51	10.45	2.25	8.51	10.77	0.24	0.01
Eco4_50	50	30	564180.9	317096.8	1.67	8.51	10.18	1.95	8.51	10.47	0.14	0.00
Eco4_60	60	30	564173.2	317090.5	1.47	8.51	9.98	1.75	8.51	10.26	0.06	0.00
Eco4_70	70	30	564165.4	317084.1	1.33	8.51	9.84	1.61	8.51	10.12	0.02	0.00
Eco4_80	80	30	564157.7	317077.8	1.21	8.51	9.72	1.51	8.51	10.02	0.00	0.00
Eco4_90	90	30	564149.9	317071.5	1.11	8.51	9.62	1.45	8.51	9.96	-0.02	0.00
Eco4_100	100	30	564142.2	317065.1	1.03	8.51	9.54	1.39	8.51	9.90	-0.04	0.00
Eco4_110	110	30	564134.4	317058.8	0.95	8.51	9.46	1.37	8.51	9.88	-0.04	0.00
Eco4_120	120	30	564126.8	317052.5	0.91	8.51	9.42	1.33	8.51	9.84	-0.08	0.00
Eco4_130	130	30	564119.0	317046.1	0.85	8.51	9.36	1.33	8.51	9.84	-0.06	0.00

Receptor ID	Distance from road edge (m)	CLvl	X (m)	Y (m)	DM Road NOx (µg/m3)	DM Background NOx (µg/m3)	DM Total NOx (µg/m3)	DS Road NOx (µg/m3)	DS Background NOx (µg/m3)	DS Total NOx (µg/m3)	Change NOx (µg/m3)	CLvl % Change Relative to CLvl
Eco4_140	140	30	564111.3	317039.8	0.81	8.51	9.32	1.33	8.51	9.84	-0.08	0.00
Eco4_150	150	30	564103.5	317033.5	0.76	8.51	9.28	1.33	8.51	9.84	-0.10	0.00
Eco4_160	160	30	564095.8	317027.2	0.72	8.51	9.24	1.35	8.51	9.86	-0.10	0.00
Eco4_170	170	30	564088.0	317020.8	0.70	8.51	9.22	1.39	8.51	9.90	-0.10	0.00
Eco4_180	180	30	564080.3	317014.5	0.66	8.51	9.18	1.41	8.51	9.92	-0.12	0.00
Eco4_190	190	30	564072.6	317008.2	0.64	8.51	9.16	1.47	8.51	9.98	-0.12	0.00
Eco4_200	200	30	564064.8	317001.8	0.62	8.51	9.14	1.53	8.51	10.04	-0.12	0.00
Eco5_43	43	30	564003.5	316905.5	0.48	8.24	8.72	3.30	8.24	11.54	-0.04	0.00
Eco5_50	50	30	564008.6	316909.8	0.48	8.24	8.72	2.94	8.24	11.18	-0.06	0.00
Eco5_60	60	30	564016.1	316916.3	0.50	8.24	8.74	2.54	8.24	10.77	-0.10	0.00
Eco5_70	70	30	564023.8	316922.8	0.50	8.24	8.74	2.23	8.24	10.47	-0.12	0.00
Eco5_80	80	30	564031.4	316929.3	0.52	8.24	8.76	2.01	8.24	10.25	-0.14	0.00
Eco5_90	90	30	564038.9	316935.8	0.52	8.24	8.76	1.85	8.24	10.09	-0.14	0.00
Eco5_100	100	30	564046.6	316942.3	0.54	8.24	8.78	1.71	8.24	9.95	-0.14	0.00
Eco5_110	110	30	564054.1	316948.8	0.54	8.24	8.78	1.61	8.24	9.85	-0.14	0.00
Eco5_120	120	30	564061.8	316955.3	0.56	8.24	8.80	1.51	8.24	9.75	-0.14	0.00
Eco5_130	130	30	564069.4	316961.8	0.58	8.24	8.82	1.45	8.24	9.69	-0.12	0.00
Eco5_140	140	30	564076.9	316968.3	0.60	8.24	8.84	1.39	8.24	9.63	-0.12	0.00
Eco5_150	150	30	564084.6	316974.8	0.62	8.24	8.86	1.35	8.24	9.59	-0.10	0.00
Eco5_160	160	30	564092.1	316981.3	0.64	8.24	8.88	1.31	8.24	9.55	-0.10	0.00
Eco5_170	170	30	564099.8	316987.8	0.66	8.24	8.90	1.29	8.24	9.53	-0.08	0.00

Receptor ID	Distance from road edge (m)	CLvl	X (m)	Y (m)	DM Road NOx (µg/m3)	DM Background NOx (µg/m3)	DM Total NOx (µg/m3)	DS Road NOx (µg/m3)	DS Background NOx (µg/m3)	DS Total NOx (µg/m3)	Change NOx (µg/m3)	CLvl % Change Relative to CLvl
Eco5_180	180	30	564107.4	316994.3	0.68	8.24	8.92	1.25	8.24	9.49	-0.10	0.00
Eco5_190	190	30	564114.9	317000.8	0.72	8.51	9.24	1.25	8.51	9.76	-0.08	0.00
Eco5_200	200	30	564122.6	317007.3	0.74	8.51	9.26	1.25	8.51	9.76	-0.06	0.00
Eco7_50	50	30	563247.5	316354.9	1.01	8.50	9.50	0.52	8.50	9.02	-1.17	-0.04
Eco7_60	60	30	563257.3	316356.9	0.97	8.50	9.46	0.50	8.50	9.00	-1.15	-0.04
Eco7_70	70	30	563267.1	316359.0	0.91	8.50	9.40	0.50	8.50	9.00	-1.11	-0.04
Eco7_80	80	30	563276.9	316361.1	0.87	8.50	9.36	0.48	8.50	8.98	-1.07	-0.04
Eco7_90	90	30	563286.6	316363.1	0.83	8.50	9.32	0.48	8.50	8.98	-0.93	-0.03
Eco7_100	100	30	563296.4	316365.2	0.81	8.50	9.30	0.48	8.50	8.98	-0.38	-0.01
Eco7_110	110	30	563306.2	316367.3	0.76	8.50	9.26	0.46	8.50	8.96	-0.22	-0.01
Eco7_120	120	30	563316.0	316369.3	0.74	8.50	9.24	0.46	8.50	8.96	-0.16	-0.01
Eco6_82	82	30	561602.8	318045.4	1.41	12.82	14.23	1.35	12.82	14.17	0.16	0.01
Eco6_90	90	30	561599.4	318039.1	1.35	12.82	14.17	1.29	12.82	14.11	0.16	0.01
Eco6_100	100	30	561594.6	318030.3	1.27	12.82	14.09	1.21	12.82	14.03	0.14	0.00
Eco6_110	110	30	561589.9	318021.4	1.19	12.82	14.00	1.13	12.82	13.94	0.12	0.00
Eco6_120	120	30	561585.3	318012.6	1.13	12.82	13.94	1.07	12.82	13.88	0.12	0.00
Eco6_130	130	30	561580.5	318003.8	1.09	12.82	13.90	1.03	12.82	13.84	0.12	0.00
Eco6_140	140	30	561575.8	317995.0	1.03	11.42	12.45	0.97	11.42	12.39	0.10	0.00
Eco6_150	150	30	561571.1	317986.2	0.99	11.42	12.41	0.93	11.42	12.35	0.10	0.00
Eco6_160	160	30	561566.4	317977.3	0.95	11.42	12.37	0.89	11.42	12.31	0.10	0.00
Eco6_170	170	30	561561.7	317968.5	0.91	11.42	12.33	0.85	11.42	12.27	0.08	0.00

Receptor ID	Distance from road edge (m)	Clvl	X (m)	Y (m)	DM Road NOx (µg/m3)	DM Background NOx (µg/m3)	DM Total NOx (µg/m3)	DS Road NOx (µg/m3)	DS Background NOx (µg/m3)	DS Total NOx (µg/m3)	Change NOx (µg/m3)	CLvl % Change Relative to CLvl
Eco6_180	180	30	561556.9	317959.7	0.89	11.42	12.31	0.83	11.42	12.25	0.10	0.00
Eco6_190	190	30	561552.3	317950.9	0.85	11.42	12.27	0.78	11.42	12.21	0.08	0.00
Eco6_196	196	30	561549.4	317945.6	0.83	11.42	12.25	0.76	11.42	12.19	0.08	0.00
Eco8_200	200	30	565733.3	321570.9	0.89	9.28	10.17	0.91	9.28	10.19	0.12	0.00
Eco8_120	120	30	565804.0	321533.6	1.35	9.28	10.63	1.37	9.28	10.65	0.16	0.01
Eco8_90	90	30	565830.6	321519.7	1.69	9.28	10.97	1.67	9.28	10.95	0.18	0.01
Eco8_100	100	30	565821.7	321524.3	1.55	9.28	10.83	1.55	9.28	10.83	0.16	0.01
Eco8_70	70	30	565848.3	321510.3	2.03	9.28	11.31	1.99	9.28	11.27	0.18	0.01
Eco8_80	80	30	565839.4	321515.0	1.83	9.28	11.11	1.81	9.28	11.09	0.18	0.01
Eco8_190	190	30	565742.1	321566.3	0.93	9.28	10.21	0.95	9.28	10.23	0.12	0.00
Eco8_170	170	30	565759.8	321556.9	1.01	9.28	10.29	1.03	9.28	10.31	0.12	0.00
Eco8_180	180	30	565750.9	321561.6	0.97	9.28	10.25	0.99	9.28	10.27	0.12	0.00
Eco8_150	150	30	565777.4	321547.6	1.13	9.28	10.41	1.15	9.28	10.43	0.14	0.00
Eco8_160	160	30	565768.6	321552.3	1.07	9.28	10.35	1.09	9.28	10.37	0.14	0.00
Eco8_50	50	30	565865.9	321501.0	2.58	9.28	11.86	2.44	9.28	11.72	0.14	0.00
Eco8_60	60	30	565857.1	321505.7	2.25	9.28	11.54	2.17	9.28	11.46	0.16	0.01
Eco8_30	30	30	565883.6	321491.7	3.72	9.28	13.01	3.30	9.28	12.58	0.02	0.00
Eco8_40	40	30	565874.8	321496.3	3.02	9.28	12.30	2.78	9.28	12.06	0.10	0.00
Eco8_10	10	30	565901.3	321482.3	8.19	9.28	17.47	6.56	9.28	15.84	-0.60	-0.02
Eco8_20	20	30	565892.5	321487.0	4.99	9.28	14.27	4.25	9.28	13.53	-0.14	0.00
Eco8_130	130	30	565795.1	321538.3	1.27	9.28	10.55	1.29	9.28	10.57	0.16	0.01

Receptor ID	Distance from road edge (m)	CLvl	X (m)	Y (m)	DM Road NOx ($\mu\text{g}/\text{m}^3$)	DM Background NOx ($\mu\text{g}/\text{m}^3$)	DM Total NOx ($\mu\text{g}/\text{m}^3$)	DS Road NOx ($\mu\text{g}/\text{m}^3$)	DS Background NOx ($\mu\text{g}/\text{m}^3$)	DS Total NOx ($\mu\text{g}/\text{m}^3$)	Change NOx ($\mu\text{g}/\text{m}^3$)	CLvl % Change Relative to CLvl
Eco8_140	140	30	565786.3	321542.9	1.19	9.28	10.47	1.21	9.28	10.49	0.14	0.00
Eco8_110	110	30	565812.9	321529.0	1.45	9.28	10.73	1.45	9.28	10.73	0.16	0.01
Eco12_180	180	30	566019.1	322037.6	0.99	9.35	10.34	1.01	9.35	10.36	0.12	0.00
Eco11_172	172	30	565989.1	321967.5	1.03	9.28	10.31	1.05	9.28	10.33	0.14	0.00
Eco10_162	162	30	565959.1	321897.6	1.07	9.28	10.35	1.09	9.28	10.37	0.14	0.00
Eco9_120	120	30	565779.1	321487.6	1.33	9.28	10.61	1.35	9.28	10.63	0.16	0.01

Table 1-3 Model Predicted NO_x Concentrations, Base 2019 and Projected Base 2030

Receptor ID	Distance from road edge (m)	NO _x Critical level (CLvl, µg/m ³)	X (m)	Y (m)	2019 Base Road NO _x (µg/m ³)	2019 Base Background NO _x (µg/m ³)	2019 Base Total NO _x (µg/m ³)	Projected Base Road NO _x (µg/m ³)	Projected Base Background NO _x (µg/m ³)	Projected Base Total NO _x (µg/m ³)	Change NO _x (µg/m ³)	CLvl % Change Relative to CLvl
Eco1_6	6	30	563070.5	316535.9	26.49	11.16	37.65	13.16	8.10	21.26	-16.39	-0.55
Eco1_10	10	30	563066.5	316535.7	18.86	11.16	30.02	9.37	8.10	17.47	-12.55	-0.42
Eco1_20	20	30	563056.5	316535.1	11.57	11.16	22.74	5.75	8.10	13.85	-8.89	-0.30
Eco1_30	30	30	563046.5	316534.4	8.65	11.16	19.82	4.30	8.10	12.40	-7.42	-0.25
Eco1_40	40	30	563036.6	316533.8	7.02	11.16	18.19	3.49	8.10	11.59	-6.59	-0.22
Eco1_50	50	30	563026.6	316533.2	5.96	11.16	17.12	2.96	8.10	11.06	-6.06	-0.20
Eco1_60	60	30	563016.6	316532.6	5.19	11.16	16.36	2.58	8.10	10.68	-5.67	-0.19
Eco1_70	70	30	563006.6	316531.9	4.61	11.16	15.77	2.29	8.10	10.39	-5.38	-0.18
Eco1_80	80	30	562996.6	316531.3	4.15	10.31	14.45	2.06	7.80	9.86	-4.59	-0.15
Eco1_90	90	30	562986.6	316530.7	3.76	10.31	14.07	1.87	7.80	9.67	-4.40	-0.15
Eco1_100	100	30	562976.7	316530.1	3.44	10.31	13.75	1.71	7.80	9.52	-4.23	-0.14
Eco1_110	110	30	562966.7	316529.4	3.18	10.31	13.49	1.58	7.80	9.38	-4.11	-0.14
Eco1_120	120	30	562956.7	316528.8	2.94	10.31	13.25	1.46	7.80	9.27	-3.98	-0.13
Eco1_130	130	30	562946.8	316528.2	2.74	10.31	13.05	1.36	7.80	9.17	-3.88	-0.13
Eco1_140	140	30	562936.8	316527.6	2.58	10.31	12.89	1.28	7.80	9.08	-3.81	-0.13
Eco1_150	150	30	562926.8	316526.9	2.42	10.31	12.72	1.20	7.80	9.00	-3.72	-0.12
Eco1_160	160	30	562916.8	316526.3	2.27	10.31	12.58	1.13	7.80	8.93	-3.65	-0.12
Eco1_170	170	30	562906.8	316525.7	2.15	10.31	12.46	1.07	7.80	8.88	-3.59	-0.12
Eco1_180	180	30	562896.8	316525.0	2.05	10.31	12.36	1.02	7.80	8.82	-3.54	-0.12

Receptor ID	Distance from road edge (m)	NO _x Critical level (CLvl, µg/m ³)	X (m)	Y (m)	2019 Base Road NO _x (µg/m ³)	2019 Base Background NO _x (µg/m ³)	2019 Base Total NO _x (µg/m ³)	Projected Base Road NO _x (µg/m ³)	Projected Base Background NO _x (µg/m ³)	Projected Base Total NO _x (µg/m ³)	Change NO _x (µg/m ³)	CLvl % Change Relative to CLvl
Eco1_190	190	30	562886.8	316524.4	1.95	10.31	12.26	0.97	7.80	8.77	-3.49	-0.12
Eco1_200	200	30	562876.9	316523.8	1.87	10.31	12.18	0.93	7.80	8.73	-3.45	-0.12
Eco2_177	177	30	562684.6	315309.6	0.76	10.12	10.89	0.38	7.63	8.01	-2.88	-0.10
Eco2_180	180	30	562682.3	315309.7	0.76	10.12	10.89	0.38	7.63	8.00	-2.88	-0.10
Eco2_190	190	30	562672.3	315310.2	0.72	10.12	10.85	0.36	7.63	7.99	-2.86	-0.10
Eco2_200	200	30	562662.3	315310.6	0.70	10.12	10.83	0.35	7.63	7.98	-2.85	-0.09
Eco3_200	200	30	563319.9	314140.8	1.35	10.32	11.67	0.67	7.52	8.19	-3.47	-0.12
Eco3_185	185	30	563333.7	314143.9	1.47	10.32	11.79	0.73	7.52	8.25	-3.54	-0.12
Eco3_190	190	30	563329.6	314143.0	1.43	10.32	11.75	0.71	7.52	8.23	-3.52	-0.12
Eco4_10.3	10.3	30	564211.7	317121.9	12.16	11.16	23.31	6.04	8.12	14.16	-9.16	-0.31
Eco4_20	20	30	564204.1	317115.8	7.79	11.16	18.95	3.87	8.12	11.99	-6.95	-0.23
Eco4_30	30	30	564196.4	317109.4	5.96	11.16	17.11	2.96	8.12	11.07	-6.04	-0.20
Eco4_40	40	30	564188.6	317103.1	4.91	11.16	16.07	2.44	8.12	10.56	-5.50	-0.18
Eco4_50	50	30	564180.9	317096.8	4.25	11.16	15.40	2.11	8.12	10.23	-5.18	-0.17
Eco4_60	60	30	564173.2	317090.5	3.74	11.16	14.90	1.86	8.12	9.98	-4.92	-0.16
Eco4_70	70	30	564165.4	317084.1	3.38	11.16	14.54	1.68	8.12	9.80	-4.74	-0.16
Eco4_80	80	30	564157.7	317077.8	3.08	11.16	14.24	1.53	8.12	9.65	-4.59	-0.15
Eco4_90	90	30	564149.9	317071.5	2.82	11.16	13.97	1.40	8.12	9.52	-4.45	-0.15
Eco4_100	100	30	564142.2	317065.1	2.62	11.16	13.77	1.30	8.12	9.42	-4.35	-0.15
Eco4_110	110	30	564134.4	317058.8	2.46	11.16	13.61	1.22	8.12	9.34	-4.28	-0.14

Receptor ID	Distance from road edge (m)	NO _x Critical level (CLvl, µg/m ³)	X (m)	Y (m)	2019 Base Road NO _x (µg/m ³)	2019 Base Background NO _x (µg/m ³)	2019 Base Total NO _x (µg/m ³)	Projected Base Road NO _x (µg/m ³)	Projected Base Background NO _x (µg/m ³)	Projected Base Total NO _x (µg/m ³)	Change NO _x (µg/m ³)	CLvl % Change Relative to CLvl
Eco4_120	120	30	564126.8	317052.5	2.29	11.16	13.45	1.14	8.12	9.26	-4.19	-0.14
Eco4_130	130	30	564119.0	317046.1	2.17	11.16	13.33	1.08	8.12	9.20	-4.13	-0.14
Eco4_140	140	30	564111.3	317039.8	2.05	11.16	13.21	1.02	8.12	9.14	-4.07	-0.14
Eco4_150	150	30	564103.5	317033.5	1.95	11.16	13.11	0.97	8.12	9.09	-4.02	-0.13
Eco4_160	160	30	564095.8	317027.2	1.87	11.16	13.03	0.93	8.12	9.05	-3.98	-0.13
Eco4_170	170	30	564088.0	317020.8	1.79	11.16	12.95	0.89	8.12	9.01	-3.94	-0.13
Eco4_180	180	30	564080.3	317014.5	1.73	11.16	12.89	0.86	8.12	8.98	-3.91	-0.13
Eco4_190	190	30	564072.6	317008.2	1.67	11.16	12.83	0.83	8.12	8.95	-3.88	-0.13
Eco4_200	200	30	564064.8	317001.8	1.61	11.16	12.77	0.80	8.12	8.92	-3.85	-0.13
Eco5_43	43	30	564003.5	316905.5	1.25	10.87	12.12	0.62	7.84	8.46	-3.66	-0.12
Eco5_50	50	30	564008.6	316909.8	1.25	10.87	12.12	0.62	7.84	8.47	-3.66	-0.12
Eco5_60	60	30	564016.1	316916.3	1.27	10.87	12.14	0.63	7.84	8.48	-3.67	-0.12
Eco5_70	70	30	564023.8	316922.8	1.31	10.87	12.18	0.65	7.84	8.49	-3.69	-0.12
Eco5_80	80	30	564031.4	316929.3	1.33	10.87	12.20	0.66	7.84	8.50	-3.70	-0.12
Eco5_90	90	30	564038.9	316935.8	1.35	10.87	12.22	0.67	7.84	8.51	-3.71	-0.12
Eco5_100	100	30	564046.6	316942.3	1.39	10.87	12.26	0.69	7.84	8.53	-3.73	-0.12
Eco5_110	110	30	564054.1	316948.8	1.41	10.87	12.28	0.70	7.84	8.55	-3.74	-0.12
Eco5_120	120	30	564061.8	316955.3	1.45	10.87	12.32	0.72	7.84	8.56	-3.76	-0.13
Eco5_130	130	30	564069.4	316961.8	1.49	10.87	12.36	0.74	7.84	8.58	-3.78	-0.13
Eco5_140	140	30	564076.9	316968.3	1.53	10.87	12.40	0.76	7.84	8.61	-3.80	-0.13

Receptor ID	Distance from road edge (m)	NO _x Critical level (CLvl, µg/m ³)	X (m)	Y (m)	2019 Base Road NO _x (µg/m ³)	2019 Base Background NO _x (µg/m ³)	2019 Base Total NO _x (µg/m ³)	Projected Base Road NO _x (µg/m ³)	Projected Base Background NO _x (µg/m ³)	Projected Base Total NO _x (µg/m ³)	Change NO _x (µg/m ³)	CLvl % Change Relative to CLvl
Eco5_150	150	30	564084.6	316974.8	1.59	10.87	12.46	0.79	7.84	8.63	-3.83	-0.13
Eco5_160	160	30	564092.1	316981.3	1.65	10.87	12.53	0.82	7.84	8.66	-3.87	-0.13
Eco5_170	170	30	564099.8	316987.8	1.71	10.87	12.59	0.85	7.84	8.69	-3.90	-0.13
Eco5_180	180	30	564107.4	316994.3	1.77	10.87	12.65	0.88	7.84	8.72	-3.92	-0.13
Eco5_190	190	30	564114.9	317000.8	1.85	11.16	13.01	0.92	8.12	9.04	-3.97	-0.13
Eco5_200	200	30	564122.6	317007.3	1.93	11.16	13.09	0.96	8.12	9.08	-4.01	-0.13
Eco7_50	50	30	563247.5	316354.9	2.64	11.16	13.80	1.31	8.10	9.41	-4.39	-0.15
Eco7_60	60	30	563257.3	316356.9	2.50	11.16	13.66	1.24	8.10	9.34	-4.32	-0.14
Eco7_70	70	30	563267.1	316359.0	2.37	11.16	13.54	1.18	8.10	9.28	-4.25	-0.14
Eco7_80	80	30	563276.9	316361.1	2.27	11.16	13.44	1.13	8.10	9.23	-4.21	-0.14
Eco7_90	90	30	563286.6	316363.1	2.17	11.16	13.34	1.08	8.10	9.18	-4.15	-0.14
Eco7_100	100	30	563296.4	316365.2	2.09	11.16	13.26	1.04	8.10	9.14	-4.12	-0.14
Eco7_110	110	30	563306.2	316367.3	2.01	11.16	13.18	1.00	8.10	9.10	-4.07	-0.14
Eco7_120	120	30	563316.0	316369.3	1.95	11.16	13.12	0.97	8.10	9.07	-4.05	-0.13
Eco6_82	82	30	561602.8	318045.4	3.62	17.46	21.09	1.80	12.04	13.84	-7.24	-0.24
Eco6_90	90	30	561599.4	318039.1	3.46	17.46	20.92	1.72	12.04	13.76	-7.16	-0.24
Eco6_100	100	30	561594.6	318030.3	3.24	17.46	20.70	1.61	12.04	13.66	-7.05	-0.23
Eco6_110	110	30	561589.9	318021.4	3.06	17.46	20.52	1.52	12.04	13.57	-6.95	-0.23
Eco6_120	120	30	561585.3	318012.6	2.92	17.46	20.38	1.45	12.04	13.49	-6.89	-0.23
Eco6_130	130	30	561580.5	318003.8	2.78	17.46	20.24	1.38	12.04	13.42	-6.82	-0.23

Receptor ID	Distance from road edge (m)	NO _x Critical level (CLvl, µg/m ³)	X (m)	Y (m)	2019 Base Road NOx (µg/m ³)	2019 Base Background NOx (µg/m ³)	2019 Base Total NOx (µg/m ³)	Projected Base Road NOx (µg/m ³)	Projected Base Background NOx (µg/m ³)	Projected Base Total NOx (µg/m ³)	Change NOx (µg/m ³)	CLvl % Change Relative to CLvl
Eco6_140	140	30	561575.8	317995.0	2.66	14.06	16.72	1.32	11.04	12.36	-4.36	-0.15
Eco6_150	150	30	561571.1	317986.2	2.54	14.06	16.60	1.26	11.04	12.30	-4.29	-0.14
Eco6_160	160	30	561566.4	317977.3	2.44	14.06	16.49	1.21	11.04	12.25	-4.24	-0.14
Eco6_170	170	30	561561.7	317968.5	2.35	14.06	16.41	1.17	11.04	12.21	-4.21	-0.14
Eco6_180	180	30	561556.9	317959.7	2.25	14.06	16.31	1.12	11.04	12.16	-4.15	-0.14
Eco6_190	190	30	561552.3	317950.9	2.19	14.06	16.25	1.09	11.04	12.13	-4.13	-0.14
Eco6_196	196	30	561549.4	317945.6	2.13	14.06	16.19	1.06	11.04	12.10	-4.09	-0.14
Eco8_200	200	30	565733.3	321570.9	2.25	12.20	14.46	1.12	8.83	9.95	-4.50	-0.15
Eco8_120	120	30	565804.0	321533.6	3.36	12.20	15.56	1.67	8.83	10.51	-5.06	-0.17
Eco8_90	90	30	565830.6	321519.7	4.17	12.20	16.37	2.07	8.83	10.91	-5.46	-0.18
Eco8_100	100	30	565821.7	321524.3	3.86	12.20	16.07	1.92	8.83	10.75	-5.31	-0.18
Eco8_70	70	30	565848.3	321510.3	5.01	12.20	17.21	2.49	8.83	11.32	-5.89	-0.20
Eco8_80	80	30	565839.4	321515.0	4.55	12.20	16.75	2.26	8.83	11.09	-5.66	-0.19
Eco8_190	190	30	565742.1	321566.3	2.33	12.20	14.54	1.16	8.83	10.00	-4.54	-0.15
Eco8_170	170	30	565759.8	321556.9	2.56	12.20	14.76	1.27	8.83	10.11	-4.65	-0.16
Eco8_180	180	30	565750.9	321561.6	2.46	12.20	14.66	1.22	8.83	10.05	-4.61	-0.15
Eco8_150	150	30	565777.4	321547.6	2.84	12.20	15.04	1.41	8.83	10.24	-4.80	-0.16
Eco8_160	160	30	565768.6	321552.3	2.70	12.20	14.90	1.34	8.83	10.17	-4.73	-0.16
Eco8_50	50	30	565865.9	321501.0	6.34	12.20	18.54	3.15	8.83	11.99	-6.56	-0.22
Eco8_60	60	30	565857.1	321505.7	5.58	12.20	17.78	2.77	8.83	11.61	-6.17	-0.21

Receptor ID	Distance from road edge (m)	NO _x Critical level (CLvl, µg/m ³)	X (m)	Y (m)	2019 Base Road NO _x (µg/m ³)	2019 Base Background NO _x (µg/m ³)	2019 Base Total NO _x (µg/m ³)	Projected Base Road NO _x (µg/m ³)	Projected Base Background NO _x (µg/m ³)	Projected Base Total NO _x (µg/m ³)	Change NO _x (µg/m ³)	CLvl % Change Relative to CLvl
Eco8_30	30	30	565883.6	321491.7	9.10	12.20	21.30	4.52	8.83	13.36	-7.94	-0.26
Eco8_40	40	30	565874.8	321496.3	7.41	12.20	19.61	3.68	8.83	12.52	-7.09	-0.24
Eco8_10	10	30	565901.3	321482.3	19.95	12.20	32.15	9.91	8.83	18.75	-13.40	-0.45
Eco8_20	20	30	565892.5	321487.0	12.20	12.20	24.40	6.06	8.83	14.90	-9.50	-0.32
Eco8_130	130	30	565795.1	321538.3	3.16	12.20	15.36	1.57	8.83	10.41	-4.95	-0.17
Eco8_140	140	30	565786.3	321542.9	2.98	12.20	15.18	1.48	8.83	10.32	-4.86	-0.16
Eco8_110	110	30	565812.9	321529.0	3.60	12.20	15.80	1.79	8.83	10.62	-5.18	-0.17
Eco12_180	180	30	566019.1	322037.6	2.48	12.65	15.12	1.23	8.82	10.05	-5.07	-0.17
Eco11_172	172	30	565989.1	321967.5	2.56	12.20	14.76	1.27	8.83	10.11	-4.65	-0.15
Eco10_162	162	30	565959.1	321897.6	2.68	12.20	14.88	1.33	8.83	10.16	-4.72	-0.16
Eco9_120	120	30	565779.1	321487.6	3.34	12.20	15.54	1.66	8.83	10.49	-5.05	-0.17

Table 1-4 Model Predicted NO_x Concentrations, DM 2042 and DS 2042

Receptor ID	Distance from road edge (m)	Clvl	X (m)	Y (m)	DM Road NO _x (µg/m ³)	DM Background NO _x (µg/m ³)	DM Total NO _x (µg/m ³)	DS Road NO _x (µg/m ³)	DS Background NO _x (µg/m ³)	DS Total NO _x (µg/m ³)	Change NO _x (µg/m ³)	CLvl % Change Relative to CLvl
Eco1_6	6	30	563070.5	316535.9	4.51	8.10	12.61	3.54	8.10	11.64	-0.97	-0.03
Eco1_10	10	30	563066.5	316535.7	3.22	8.10	11.32	2.46	8.10	10.56	-0.76	-0.03
Eco1_20	20	30	563056.5	316535.1	1.99	8.10	10.09	1.47	8.10	9.57	-0.52	-0.02
Eco1_30	30	30	563046.5	316534.4	1.51	8.10	9.61	1.09	8.10	9.19	-0.42	-0.01
Eco1_40	40	30	563036.6	316533.8	1.25	8.10	9.35	0.89	8.10	8.99	-0.36	-0.01
Eco1_50	50	30	563026.6	316533.2	1.07	8.10	9.17	0.76	8.10	8.87	-0.30	-0.01
Eco1_60	60	30	563016.6	316532.6	0.95	8.10	9.05	0.68	8.10	8.79	-0.26	-0.01
Eco1_70	70	30	563006.6	316531.9	0.85	8.10	8.95	0.62	8.10	8.72	-0.22	-0.01
Eco1_80	80	30	562996.6	316531.3	0.78	7.80	8.59	0.58	7.80	8.39	-0.20	-0.01
Eco1_90	90	30	562986.6	316530.7	0.72	7.80	8.53	0.54	7.80	8.35	-0.18	-0.01
Eco1_100	100	30	562976.7	316530.1	0.66	7.80	8.47	0.50	7.80	8.31	-0.16	-0.01
Eco1_110	110	30	562966.7	316529.4	0.62	7.80	8.43	0.48	7.80	8.29	-0.14	0.00
Eco1_120	120	30	562956.7	316528.8	0.60	7.80	8.41	0.46	7.80	8.27	-0.14	0.00
Eco1_130	130	30	562946.8	316528.2	0.56	7.80	8.37	0.44	7.80	8.25	-0.12	0.00
Eco1_140	140	30	562936.8	316527.6	0.54	7.80	8.35	0.42	7.80	8.23	-0.12	0.00
Eco1_150	150	30	562926.8	316526.9	0.52	7.80	8.33	0.42	7.80	8.23	-0.10	0.00
Eco1_160	160	30	562916.8	316526.3	0.50	7.80	8.31	0.40	7.80	8.21	-0.10	0.00
Eco1_170	170	30	562906.8	316525.7	0.48	7.80	8.29	0.38	7.80	8.19	-0.10	0.00
Eco1_180	180	30	562896.8	316525.0	0.46	7.80	8.27	0.38	7.80	8.19	-0.08	0.00
Eco1_190	190	30	562886.8	316524.4	0.44	7.80	8.25	0.36	7.80	8.17	-0.08	0.00
Eco1_200	200	30	562876.9	316523.8	0.42	7.80	8.23	0.36	7.80	8.17	-0.06	0.00
Eco2_177	177	30	562684.6	315309.6	0.26	7.63	7.89	0.26	7.63	7.89	0.00	0.00
Eco2_180	180	30	562682.3	315309.7	0.26	7.63	7.89	0.26	7.63	7.89	0.00	0.00
Eco2_190	190	30	562672.3	315310.2	0.24	7.63	7.87	0.24	7.63	7.87	0.00	0.00
Eco2_200	200	30	562662.3	315310.6	0.24	7.63	7.87	0.24	7.63	7.87	0.00	0.00
Eco3_200	200	30	563319.9	314140.8	0.46	7.52	7.98	0.52	7.52	8.04	0.06	0.00
Eco3_185	185	30	563333.7	314143.9	0.50	7.52	8.02	0.56	7.52	8.08	0.06	0.00
Eco3_190	190	30	563329.6	314143.0	0.50	7.52	8.02	0.56	7.52	8.08	0.06	0.00
Eco4_10.3	10.3	30	564211.7	317121.9	4.21	8.12	12.33	6.16	8.12	14.28	1.95	0.07
Eco4_20	20	30	564204.1	317115.8	2.86	8.12	10.98	3.72	8.12	11.84	0.87	0.03
Eco4_30	30	30	564196.4	317109.4	2.31	8.12	10.43	2.76	8.12	10.88	0.44	0.01
Eco4_40	40	30	564188.6	317103.1	2.01	8.12	10.13	2.25	8.12	10.37	0.24	0.01
Eco4_50	50	30	564180.9	317096.8	1.81	8.12	9.93	1.95	8.12	10.07	0.14	0.00
Eco4_60	60	30	564173.2	317090.5	1.69	8.12	9.81	1.75	8.12	9.87	0.06	0.00
Eco4_70	70	30	564165.4	317084.1	1.59	8.12	9.71	1.61	8.12	9.73	0.02	0.00

Receptor ID	Distance from road edge (m)	Clvl	X (m)	Y (m)	DM Road NOx (µg/m3)	DM Background NOx (µg/m3)	DM Total NOx (µg/m3)	DS Road NOx (µg/m3)	DS Background NOx (µg/m3)	DS Total NOx (µg/m3)	Change NOx (µg/m3)	CLvl % Change Relative to CLvl
Eco4_80	80	30	564157.7	317077.8	1.51	8.12	9.63	1.51	8.12	9.63	0.00	0.00
Eco4_90	90	30	564149.9	317071.5	1.47	8.12	9.59	1.45	8.12	9.57	-0.02	0.00
Eco4_100	100	30	564142.2	317065.1	1.43	8.12	9.55	1.39	8.12	9.51	-0.04	0.00
Eco4_110	110	30	564134.4	317058.8	1.41	8.12	9.53	1.37	8.12	9.49	-0.04	0.00
Eco4_120	120	30	564126.8	317052.5	1.41	8.12	9.53	1.33	8.12	9.45	-0.08	0.00
Eco4_130	130	30	564119.0	317046.1	1.39	8.12	9.51	1.33	8.12	9.45	-0.06	0.00
Eco4_140	140	30	564111.3	317039.8	1.41	8.12	9.53	1.33	8.12	9.45	-0.08	0.00
Eco4_150	150	30	564103.5	317033.5	1.43	8.12	9.55	1.33	8.12	9.45	-0.10	0.00
Eco4_160	160	30	564095.8	317027.2	1.45	8.12	9.57	1.35	8.12	9.47	-0.10	0.00
Eco4_170	170	30	564088.0	317020.8	1.49	8.12	9.61	1.39	8.12	9.51	-0.10	0.00
Eco4_180	180	30	564080.3	317014.5	1.53	8.12	9.65	1.41	8.12	9.53	-0.12	0.00
Eco4_190	190	30	564072.6	317008.2	1.59	8.12	9.71	1.47	8.12	9.59	-0.12	0.00
Eco4_200	200	30	564064.8	317001.8	1.65	8.12	9.77	1.53	8.12	9.65	-0.12	0.00
Eco5_43	43	30	564003.5	316905.5	3.34	7.84	11.18	3.30	7.84	11.14	-0.04	0.00
Eco5_50	50	30	564008.6	316909.8	3.00	7.84	10.84	2.94	7.84	10.78	-0.06	0.00
Eco5_60	60	30	564016.1	316916.3	2.64	7.84	10.48	2.54	7.84	10.38	-0.10	0.00
Eco5_70	70	30	564023.8	316922.8	2.35	7.84	10.20	2.23	7.84	10.08	-0.12	0.00
Eco5_80	80	30	564031.4	316929.3	2.15	7.84	10.00	2.01	7.84	9.86	-0.14	0.00
Eco5_90	90	30	564038.9	316935.8	1.99	7.84	9.83	1.85	7.84	9.69	-0.14	0.00
Eco5_100	100	30	564046.6	316942.3	1.85	7.84	9.69	1.71	7.84	9.55	-0.14	0.00
Eco5_110	110	30	564054.1	316948.8	1.75	7.84	9.59	1.61	7.84	9.45	-0.14	0.00
Eco5_120	120	30	564061.8	316955.3	1.65	7.84	9.49	1.51	7.84	9.35	-0.14	0.00
Eco5_130	130	30	564069.4	316961.8	1.57	7.84	9.41	1.45	7.84	9.29	-0.12	0.00
Eco5_140	140	30	564076.9	316968.3	1.51	7.84	9.35	1.39	7.84	9.23	-0.12	0.00
Eco5_150	150	30	564084.6	316974.8	1.45	7.84	9.29	1.35	7.84	9.19	-0.10	0.00
Eco5_160	160	30	564092.1	316981.3	1.41	7.84	9.25	1.31	7.84	9.15	-0.10	0.00
Eco5_170	170	30	564099.8	316987.8	1.37	7.84	9.21	1.29	7.84	9.13	-0.08	0.00
Eco5_180	180	30	564107.4	316994.3	1.35	7.84	9.19	1.25	7.84	9.09	-0.10	0.00
Eco5_190	190	30	564114.9	317000.8	1.33	8.12	9.45	1.25	8.12	9.37	-0.08	0.00
Eco5_200	200	30	564122.6	317007.3	1.31	8.12	9.43	1.25	8.12	9.37	-0.06	0.00
Eco7_50	50	30	563247.5	316354.9	1.69	8.10	9.79	0.52	8.10	8.62	-1.17	-0.04
Eco7_60	60	30	563257.3	316356.9	1.65	8.10	9.75	0.50	8.10	8.60	-1.15	-0.04
Eco7_70	70	30	563267.1	316359.0	1.61	8.10	9.71	0.50	8.10	8.60	-1.11	-0.04
Eco7_80	80	30	563276.9	316361.1	1.55	8.10	9.65	0.48	8.10	8.58	-1.07	-0.04
Eco7_90	90	30	563286.6	316363.1	1.41	8.10	9.51	0.48	8.10	8.58	-0.93	-0.03
Eco7_100	100	30	563296.4	316365.2	0.87	8.10	8.97	0.48	8.10	8.58	-0.38	-0.01

Receptor ID	Distance from road edge (m)	CLvl	X (m)	Y (m)	DM Road NOx (µg/m3)	DM Background NOx (µg/m3)	DM Total NOx (µg/m3)	DS Road NOx (µg/m3)	DS Background NOx (µg/m3)	DS Total NOx (µg/m3)	Change NOx (µg/m3)	CLvl % Change Relative to CLvl
Eco7_110	110	30	563306.2	316367.3	0.68	8.10	8.79	0.46	8.10	8.56	-0.22	-0.01
Eco7_120	120	30	563316.0	316369.3	0.62	8.10	8.72	0.46	8.10	8.56	-0.16	-0.01
Eco6_82	82	30	561602.8	318045.4	1.19	12.04	13.23	1.35	12.04	13.39	0.16	0.01
Eco6_90	90	30	561599.4	318039.1	1.13	12.04	13.17	1.29	12.04	13.33	0.16	0.01
Eco6_100	100	30	561594.6	318030.3	1.07	12.04	13.11	1.21	12.04	13.25	0.14	0.00
Eco6_110	110	30	561589.9	318021.4	1.01	12.04	13.05	1.13	12.04	13.17	0.12	0.00
Eco6_120	120	30	561585.3	318012.6	0.95	12.04	12.99	1.07	12.04	13.11	0.12	0.00
Eco6_130	130	30	561580.5	318003.8	0.91	12.04	12.95	1.03	12.04	13.07	0.12	0.00
Eco6_140	140	30	561575.8	317995.0	0.87	11.04	11.91	0.97	11.04	12.01	0.10	0.00
Eco6_150	150	30	561571.1	317986.2	0.83	11.04	11.87	0.93	11.04	11.97	0.10	0.00
Eco6_160	160	30	561566.4	317977.3	0.78	11.04	11.82	0.89	11.04	11.93	0.10	0.00
Eco6_170	170	30	561561.7	317968.5	0.76	11.04	11.80	0.85	11.04	11.89	0.08	0.00
Eco6_180	180	30	561556.9	317959.7	0.72	11.04	11.76	0.83	11.04	11.87	0.10	0.00
Eco6_190	190	30	561552.3	317950.9	0.70	11.04	11.74	0.78	11.04	11.82	0.08	0.00
Eco6_196	196	30	561549.4	317945.6	0.68	11.04	11.72	0.76	11.04	11.80	0.08	0.00
Eco8_200	200	30	565733.3	321570.9	0.78	8.83	9.62	0.91	8.83	9.74	0.12	0.00
Eco8_120	120	30	565804.0	321533.6	1.21	8.83	10.04	1.37	8.83	10.20	0.16	0.01
Eco8_90	90	30	565830.6	321519.7	1.49	8.83	10.32	1.67	8.83	10.50	0.18	0.01
Eco8_100	100	30	565821.7	321524.3	1.39	8.83	10.22	1.55	8.83	10.38	0.16	0.01
Eco8_70	70	30	565848.3	321510.3	1.81	8.83	10.65	1.99	8.83	10.83	0.18	0.01
Eco8_80	80	30	565839.4	321515.0	1.63	8.83	10.46	1.81	8.83	10.65	0.18	0.01
Eco8_190	190	30	565742.1	321566.3	0.83	8.83	9.66	0.95	8.83	9.78	0.12	0.00
Eco8_170	170	30	565759.8	321556.9	0.91	8.83	9.74	1.03	8.83	9.86	0.12	0.00
Eco8_180	180	30	565750.9	321561.6	0.87	8.83	9.70	0.99	8.83	9.82	0.12	0.00
Eco8_150	150	30	565777.4	321547.6	1.01	8.83	9.84	1.15	8.83	9.98	0.14	0.00
Eco8_160	160	30	565768.6	321552.3	0.95	8.83	9.78	1.09	8.83	9.92	0.14	0.00
Eco8_50	50	30	565865.9	321501.0	2.29	8.83	11.13	2.44	8.83	11.27	0.14	0.00
Eco8_60	60	30	565857.1	321505.7	2.01	8.83	10.85	2.17	8.83	11.01	0.16	0.01
Eco8_30	30	30	565883.6	321491.7	3.28	8.83	12.11	3.30	8.83	12.14	0.02	0.00
Eco8_40	40	30	565874.8	321496.3	2.68	8.83	11.51	2.78	8.83	11.61	0.10	0.00
Eco8_10	10	30	565901.3	321482.3	7.17	8.83	16.00	6.56	8.83	15.40	-0.60	-0.02
Eco8_20	20	30	565892.5	321487.0	4.39	8.83	13.22	4.25	8.83	13.08	-0.14	0.00
Eco8_130	130	30	565795.1	321538.3	1.13	8.83	9.96	1.29	8.83	10.12	0.16	0.01
Eco8_140	140	30	565786.3	321542.9	1.07	8.83	9.90	1.21	8.83	10.04	0.14	0.00
Eco8_110	110	30	565812.9	321529.0	1.29	8.83	10.12	1.45	8.83	10.28	0.16	0.01
Eco12_180	180	30	566019.1	322037.6	0.89	8.82	9.71	1.01	8.82	9.83	0.12	0.00

Receptor ID	Distance from road edge (m)	CLvl	X (m)	Y (m)	DM Road NOx ($\mu\text{g}/\text{m}^3$)	DM Background NOx ($\mu\text{g}/\text{m}^3$)	DM Total NOx ($\mu\text{g}/\text{m}^3$)	DS Road NOx ($\mu\text{g}/\text{m}^3$)	DS Background NOx ($\mu\text{g}/\text{m}^3$)	DS Total NOx ($\mu\text{g}/\text{m}^3$)	Change NOx ($\mu\text{g}/\text{m}^3$)	CLvl % Change Relative to CLvl
Eco11_172	172	30	565989.1	321967.5	0.91	8.83	9.74	1.05	8.83	9.88	0.14	0.00
Eco10_162	162	30	565959.1	321897.6	0.95	8.83	9.78	1.09	8.83	9.92	0.14	0.00
Eco9_120	120	30	565779.1	321487.6	1.19	8.83	10.02	1.35	8.83	10.18	0.16	0.01

1.3 Change in Ammonia (NH₃) Concentrations at Ecological Receptors

Table 1-5 Model Predicted NH₃ Concentrations, Base 2019 and Projected Base 2027

Receptor ID	Distance from road edge (m)	NH ₃ Critical level (CLvl, µg/m ³)	X (m)	Y (m)	2019 Base Road NH ₃ (µg/m ³)	2019 Base Background NH ₃ (µg/m ³)	2019 Base Total NH ₃ (µg/m ³)	Projected Base Road NH ₃ (µg/m ³)	Projected Base Background NH ₃ (µg/m ³)	Projected Base Total NH ₃ (µg/m ³)	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl
Eco1_6	6	1	563070.5	316535.9	0.80	1.84	2.64	0.92	1.85	2.77	0.13	0.13
Eco1_10	10	1	563066.5	316535.7	0.56	1.84	2.40	0.64	1.85	2.49	0.09	0.09
Eco1_20	20	1	563056.5	316535.1	0.32	1.84	2.16	0.37	1.85	2.22	0.06	0.06
Eco1_30	30	1	563046.5	316534.4	0.23	1.84	2.07	0.27	1.85	2.12	0.05	0.05
Eco1_40	40	1	563036.6	316533.8	0.18	1.84	2.02	0.21	1.85	2.06	0.04	0.04
Eco1_50	50	1	563026.6	316533.2	0.15	1.84	1.99	0.18	1.85	2.03	0.04	0.04
Eco1_60	60	1	563016.6	316532.6	0.13	1.84	1.97	0.15	1.85	2.00	0.03	0.03
Eco1_70	70	1	563006.6	316531.9	0.11	1.84	1.95	0.13	1.85	1.98	0.03	0.03
Eco1_80	80	1	562996.6	316531.3	0.10	1.83	1.93	0.12	1.84	1.96	0.03	0.03
Eco1_90	90	1	562986.6	316530.7	0.09	1.83	1.92	0.10	1.84	1.95	0.03	0.03
Eco1_100	100	1	562976.7	316530.1	0.08	1.83	1.91	0.09	1.84	1.94	0.03	0.03
Eco1_110	110	1	562966.7	316529.4	0.07	1.83	1.90	0.08	1.84	1.93	0.03	0.03
Eco1_120	120	1	562956.7	316528.8	0.07	1.83	1.90	0.08	1.84	1.92	0.02	0.02
Eco1_130	130	1	562946.8	316528.2	0.06	1.83	1.89	0.07	1.84	1.91	0.02	0.02
Eco1_140	140	1	562936.8	316527.6	0.06	1.83	1.89	0.07	1.84	1.91	0.02	0.02
Eco1_150	150	1	562926.8	316526.9	0.05	1.83	1.88	0.06	1.84	1.90	0.02	0.02
Eco1_160	160	1	562916.8	316526.3	0.05	1.83	1.88	0.06	1.84	1.90	0.02	0.02
Eco1_170	170	1	562906.8	316525.7	0.05	1.83	1.88	0.05	1.84	1.90	0.02	0.02
Eco1_180	180	1	562896.8	316525.0	0.04	1.83	1.87	0.05	1.84	1.89	0.02	0.02
Eco1_190	190	1	562886.8	316524.4	0.04	1.83	1.87	0.05	1.84	1.89	0.02	0.02
Eco1_200	200	1	562876.9	316523.8	0.04	1.83	1.87	0.05	1.84	1.89	0.02	0.02
Eco2_177	177	1	562684.6	315309.6	0.01	1.83	1.84	0.02	1.84	1.86	0.02	0.02
Eco2_180	180	1	562682.3	315309.7	0.01	1.83	1.84	0.02	1.84	1.86	0.02	0.02
Eco2_190	190	1	562672.3	315310.2	0.01	1.83	1.84	0.02	1.84	1.86	0.02	0.02
Eco2_200	200	1	562662.3	315310.6	0.01	1.83	1.84	0.02	1.84	1.86	0.02	0.02
Eco3_200	200	1	563319.9	314140.8	0.03	1.85	1.88	0.04	1.86	1.90	0.02	0.02
Eco3_185	185	1	563333.7	314143.9	0.04	1.85	1.89	0.04	1.86	1.90	0.01	0.01
Eco3_190	190	1	563329.6	314143.0	0.03	1.85	1.88	0.04	1.86	1.90	0.02	0.02
Eco4_10.3	10.3	1	564211.7	317121.9	0.38	1.85	2.23	0.44	1.86	2.30	0.07	0.07
Eco4_20	20	1	564204.1	317115.8	0.23	1.85	2.08	0.27	1.86	2.13	0.05	0.05
Eco4_30	30	1	564196.4	317109.4	0.17	1.85	2.02	0.20	1.86	2.06	0.04	0.04

Receptor ID	Distance from road edge (m)	NH ₃ Critical level (CLvl, µg/m ³)	X (m)	Y (m)	2019 Base Road NH ₃ (µg/m ³)	2019 Base Background NH ₃ (µg/m ³)	2019 Base Total NH ₃ (µg/m ³)	Projected Base Road NH ₃ (µg/m ³)	Projected Base Background NH ₃ (µg/m ³)	Projected Base Total NH ₃ (µg/m ³)	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl
Eco4_40	40	1	564188.6	317103.1	0.14	1.85	1.99	0.16	1.86	2.02	0.03	0.03
Eco4_50	50	1	564180.9	317096.8	0.11	1.85	1.96	0.13	1.86	1.99	0.03	0.03
Eco4_60	60	1	564173.2	317090.5	0.10	1.85	1.95	0.11	1.86	1.98	0.03	0.03
Eco4_70	70	1	564165.4	317084.1	0.09	1.85	1.94	0.10	1.86	1.96	0.02	0.02
Eco4_80	80	1	564157.7	317077.8	0.08	1.85	1.93	0.09	1.86	1.95	0.02	0.02
Eco4_90	90	1	564149.9	317071.5	0.07	1.85	1.92	0.08	1.86	1.94	0.02	0.02
Eco4_100	100	1	564142.2	317065.1	0.06	1.85	1.91	0.07	1.86	1.94	0.03	0.03
Eco4_110	110	1	564134.4	317058.8	0.06	1.85	1.91	0.07	1.86	1.93	0.02	0.02
Eco4_120	120	1	564126.8	317052.5	0.06	1.85	1.91	0.06	1.86	1.93	0.02	0.02
Eco4_130	130	1	564119.0	317046.1	0.05	1.85	1.90	0.06	1.86	1.92	0.02	0.02
Eco4_140	140	1	564111.3	317039.8	0.05	1.85	1.90	0.06	1.86	1.92	0.02	0.02
Eco4_150	150	1	564103.5	317033.5	0.05	1.85	1.90	0.05	1.86	1.91	0.01	0.01
Eco4_160	160	1	564095.8	317027.2	0.04	1.85	1.89	0.05	1.86	1.91	0.02	0.02
Eco4_170	170	1	564088.0	317020.8	0.04	1.85	1.89	0.05	1.86	1.91	0.02	0.02
Eco4_180	180	1	564080.3	317014.5	0.04	1.85	1.89	0.05	1.86	1.91	0.02	0.02
Eco4_190	190	1	564072.6	317008.2	0.04	1.85	1.89	0.04	1.86	1.91	0.02	0.02
Eco4_200	200	1	564064.8	317001.8	0.04	1.85	1.89	0.04	1.86	1.90	0.01	0.01
Eco5_43	43	1	564003.5	316905.5	0.03	1.85	1.88	0.03	1.86	1.89	0.01	0.01
Eco5_50	50	1	564008.6	316909.8	0.03	1.85	1.88	0.03	1.86	1.89	0.01	0.01
Eco5_60	60	1	564016.1	316916.3	0.03	1.85	1.88	0.03	1.86	1.89	0.01	0.01
Eco5_70	70	1	564023.8	316922.8	0.03	1.85	1.88	0.03	1.86	1.89	0.01	0.01
Eco5_80	80	1	564031.4	316929.3	0.03	1.85	1.88	0.03	1.86	1.89	0.01	0.01
Eco5_90	90	1	564038.9	316935.8	0.03	1.85	1.88	0.03	1.86	1.90	0.02	0.02
Eco5_100	100	1	564046.6	316942.3	0.03	1.85	1.88	0.03	1.86	1.90	0.02	0.02
Eco5_110	110	1	564054.1	316948.8	0.03	1.85	1.88	0.04	1.86	1.90	0.02	0.02
Eco5_120	120	1	564061.8	316955.3	0.03	1.85	1.88	0.04	1.86	1.90	0.02	0.02
Eco5_130	130	1	564069.4	316961.8	0.03	1.85	1.88	0.04	1.86	1.90	0.02	0.02
Eco5_140	140	1	564076.9	316968.3	0.03	1.85	1.88	0.04	1.86	1.90	0.02	0.02
Eco5_150	150	1	564084.6	316974.8	0.04	1.85	1.89	0.04	1.86	1.90	0.01	0.01
Eco5_160	160	1	564092.1	316981.3	0.04	1.85	1.89	0.04	1.86	1.90	0.01	0.01
Eco5_170	170	1	564099.8	316987.8	0.04	1.85	1.89	0.04	1.86	1.91	0.02	0.02
Eco5_180	180	1	564107.4	316994.3	0.04	1.85	1.89	0.05	1.86	1.91	0.02	0.02
Eco5_190	190	1	564114.9	317000.8	0.04	1.85	1.89	0.05	1.86	1.91	0.02	0.02
Eco5_200	200	1	564122.6	317007.3	0.05	1.85	1.90	0.05	1.86	1.91	0.01	0.01
Eco7_50	50	1	563247.5	316354.9	0.06	1.84	1.90	0.07	1.85	1.93	0.03	0.03

Receptor ID	Distance from road edge (m)	NH ₃ Critical level (CLvl, µg/m ³)	X (m)	Y (m)	2019 Base Road NH ₃ (µg/m ³)	2019 Base Background NH ₃ (µg/m ³)	2019 Base Total NH ₃ (µg/m ³)	Projected Base Road NH ₃ (µg/m ³)	Projected Base Background NH ₃ (µg/m ³)	Projected Base Total NH ₃ (µg/m ³)	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl
Eco7_60	60	1	563257.3	316356.9	0.06	1.84	1.90	0.07	1.85	1.92	0.02	0.02
Eco7_70	70	1	563267.1	316359.0	0.06	1.84	1.90	0.07	1.85	1.92	0.02	0.02
Eco7_80	80	1	563276.9	316361.1	0.05	1.84	1.89	0.06	1.85	1.91	0.02	0.02
Eco7_90	90	1	563286.6	316363.1	0.05	1.84	1.89	0.06	1.85	1.91	0.02	0.02
Eco7_100	100	1	563296.4	316365.2	0.05	1.84	1.89	0.06	1.85	1.91	0.02	0.02
Eco7_110	110	1	563306.2	316367.3	0.05	1.84	1.89	0.05	1.85	1.91	0.02	0.02
Eco7_120	120	1	563316.0	316369.3	0.05	1.84	1.89	0.05	1.85	1.90	0.01	0.01
Eco6_82	82	1	561602.8	318045.4	0.08	1.82	1.90	0.09	1.83	1.92	0.02	0.01
Eco6_90	90	3	561599.4	318039.1	0.07	1.82	1.89	0.09	1.83	1.92	0.03	0.01
Eco6_100	100	3	561594.6	318030.3	0.07	1.82	1.89	0.08	1.83	1.91	0.02	0.01
Eco6_110	110	3	561589.9	318021.4	0.06	1.82	1.88	0.07	1.83	1.91	0.03	0.01
Eco6_120	120	3	561585.3	318012.6	0.06	1.82	1.88	0.07	1.83	1.90	0.02	0.01
Eco6_130	130	3	561580.5	318003.8	0.06	1.82	1.88	0.07	1.83	1.90	0.02	0.01
Eco6_140	140	3	561575.8	317995.0	0.05	1.82	1.87	0.06	1.83	1.90	0.03	0.01
Eco6_150	150	3	561571.1	317986.2	0.05	1.82	1.87	0.06	1.83	1.89	0.02	0.01
Eco6_160	160	3	561566.4	317977.3	0.05	1.82	1.87	0.06	1.83	1.89	0.02	0.01
Eco6_170	170	3	561561.7	317968.5	0.05	1.82	1.87	0.06	1.83	1.89	0.02	0.01
Eco6_180	180	1	561556.9	317959.7	0.05	1.82	1.87	0.05	1.83	1.88	0.01	0.00
Eco6_190	190	1	561552.3	317950.9	0.04	1.82	1.86	0.05	1.83	1.88	0.02	0.01
Eco6_196	196	1	561549.4	317945.6	0.04	1.82	1.86	0.05	1.83	1.88	0.02	0.01
Eco8_200	200	1	565733.3	321570.9	0.04	1.81	1.85	0.05	1.82	1.87	0.02	0.02
Eco8_120	120	1	565804.0	321533.6	0.07	1.81	1.88	0.08	1.82	1.90	0.02	0.02
Eco8_90	90	1	565830.6	321519.7	0.09	1.81	1.90	0.10	1.82	1.93	0.03	0.03
Eco8_100	100	1	565821.7	321524.3	0.08	1.81	1.89	0.09	1.82	1.92	0.02	0.02
Eco8_70	70	1	565848.3	321510.3	0.11	1.81	1.92	0.13	1.82	1.95	0.03	0.03
Eco8_80	80	1	565839.4	321515.0	0.10	1.81	1.91	0.12	1.82	1.94	0.03	0.03
Eco8_190	190	1	565742.1	321566.3	0.04	1.81	1.85	0.05	1.82	1.87	0.02	0.02
Eco8_170	170	1	565759.8	321556.9	0.05	1.81	1.86	0.06	1.82	1.88	0.02	0.02
Eco8_180	180	1	565750.9	321561.6	0.05	1.81	1.86	0.05	1.82	1.88	0.02	0.02
Eco8_150	150	1	565777.4	321547.6	0.06	1.81	1.87	0.06	1.82	1.89	0.02	0.02
Eco8_160	160	1	565768.6	321552.3	0.05	1.81	1.86	0.06	1.82	1.88	0.02	0.02
Eco8_50	50	1	565865.9	321501.0	0.15	1.81	1.96	0.17	1.82	2.00	0.04	0.04
Eco8_60	60	1	565857.1	321505.7	0.13	1.81	1.94	0.15	1.82	1.97	0.03	0.03
Eco8_30	30	1	565883.6	321491.7	0.23	1.81	2.04	0.27	1.82	2.09	0.05	0.05
Eco8_40	40	1	565874.8	321496.3	0.18	1.81	1.99	0.21	1.82	2.03	0.04	0.04

Receptor ID	Distance from road edge (m)	NH ₃ Critical level (CLvl, µg/m ³)	X (m)	Y (m)	2019 Base Road NH ₃ (µg/m ³)	2019 Base Background NH ₃ (µg/m ³)	2019 Base Total NH ₃ (µg/m ³)	Projected Base Road NH ₃ (µg/m ³)	Projected Base Background NH ₃ (µg/m ³)	Projected Base Total NH ₃ (µg/m ³)	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl
Eco8_10	10	1	565901.3	321482.3	0.57	1.81	2.38	0.66	1.82	2.48	0.10	0.10
Eco8_20	20	1	565892.5	321487.0	0.33	1.81	2.14	0.38	1.82	2.20	0.06	0.06
Eco8_130	130	1	565795.1	321538.3	0.06	1.81	1.87	0.07	1.82	1.90	0.02	0.02
Eco8_140	140	1	565786.3	321542.9	0.06	1.81	1.87	0.07	1.82	1.89	0.02	0.02
Eco8_110	110	1	565812.9	321529.0	0.08	1.81	1.89	0.09	1.82	1.91	0.02	0.02
Eco12_180	180	1	566019.1	322037.6	0.05	1.87	1.92	0.06	1.88	1.94	0.02	0.02
Eco11_172	172	1	565989.1	321967.5	0.05	1.81	1.86	0.06	1.82	1.88	0.02	0.02
Eco10_162	162	1	565959.1	321897.6	0.05	1.81	1.86	0.06	1.82	1.88	0.02	0.02
Eco9_120	120	1	565779.1	321487.6	0.07	1.81	1.88	0.08	1.82	1.90	0.02	0.02

Table 1-6 Model Predicted NH₃ Concentrations, 2027 DM and DS

Receptor ID	Distance from road edge (m)	Clvl	X (m)	Y (m)	DM Road NH ₃ (µg/m ³)	DM Background NH ₃ (µg/m ³)	DM Total NH ₃ (µg/m ³)	DS Road NH ₃ (µg/m ³)	DS Background NH ₃ (µg/m ³)	DS Total NH ₃ (µg/m ³)	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl
Eco1_6	6	1	563070.5	316535.9	0.89	1.85	2.74	0.30	1.85	2.15	-0.59	-0.59
Eco1_10	10	1	563066.5	316535.7	0.62	1.85	2.47	0.20	1.85	2.05	-0.42	-0.42
Eco1_20	20	1	563056.5	316535.1	0.36	1.85	2.21	0.11	1.85	1.96	-0.25	-0.25
Eco1_30	30	1	563046.5	316534.4	0.26	1.85	2.11	0.08	1.85	1.93	-0.18	-0.18
Eco1_40	40	1	563036.6	316533.8	0.20	1.85	2.05	0.06	1.85	1.91	-0.14	-0.14
Eco1_50	50	1	563026.6	316533.2	0.17	1.85	2.02	0.05	1.85	1.90	-0.12	-0.12
Eco1_60	60	1	563016.6	316532.6	0.14	1.85	1.99	0.04	1.85	1.89	-0.10	-0.10
Eco1_70	70	1	563006.6	316531.9	0.13	1.85	1.98	0.04	1.85	1.89	-0.09	-0.09
Eco1_80	80	1	562996.6	316531.3	0.11	1.84	1.95	0.04	1.84	1.88	-0.07	-0.07
Eco1_90	90	1	562986.6	316530.7	0.10	1.84	1.94	0.03	1.84	1.87	-0.07	-0.07
Eco1_100	100	1	562976.7	316530.1	0.09	1.84	1.93	0.03	1.84	1.87	-0.06	-0.06
Eco1_110	110	1	562966.7	316529.4	0.08	1.84	1.92	0.03	1.84	1.87	-0.05	-0.05
Eco1_120	120	1	562956.7	316528.8	0.07	1.84	1.91	0.03	1.84	1.87	-0.04	-0.04
Eco1_130	130	1	562946.8	316528.2	0.07	1.84	1.91	0.03	1.84	1.87	-0.04	-0.04
Eco1_140	140	1	562936.8	316527.6	0.06	1.84	1.90	0.02	1.84	1.86	-0.04	-0.04
Eco1_150	150	1	562926.8	316526.9	0.06	1.84	1.90	0.02	1.84	1.86	-0.04	-0.04
Eco1_160	160	1	562916.8	316526.3	0.06	1.84	1.90	0.02	1.84	1.86	-0.04	-0.04
Eco1_170	170	1	562906.8	316525.7	0.05	1.84	1.89	0.02	1.84	1.86	-0.03	-0.03
Eco1_180	180	1	562896.8	316525.0	0.05	1.84	1.89	0.02	1.84	1.86	-0.03	-0.03
Eco1_190	190	1	562886.8	316524.4	0.05	1.84	1.89	0.02	1.84	1.86	-0.03	-0.03
Eco1_200	200	1	562876.9	316523.8	0.04	1.84	1.88	0.02	1.84	1.86	-0.02	-0.02
Eco2_177	177	1	562684.6	315309.6	0.02	1.84	1.86	0.01	1.84	1.85	-0.01	-0.01
Eco2_180	180	1	562682.3	315309.7	0.02	1.84	1.86	0.01	1.84	1.85	-0.01	-0.01
Eco2_190	190	1	562672.3	315310.2	0.01	1.84	1.85	0.01	1.84	1.85	0.00	0.00
Eco2_200	200	1	562662.3	315310.6	0.01	1.84	1.85	0.01	1.84	1.85	0.00	0.00
Eco3_200	200	1	563319.9	314140.8	0.04	1.86	1.90	0.03	1.86	1.89	-0.01	-0.01
Eco3_185	185	1	563333.7	314143.9	0.04	1.86	1.90	0.04	1.86	1.90	0.00	0.00
Eco3_190	190	1	563329.6	314143.0	0.04	1.86	1.90	0.04	1.86	1.90	0.00	0.00
Eco4_10.3	10.3	1	564211.7	317121.9	0.43	1.86	2.29	0.53	1.86	2.39	0.10	0.10
Eco4_20	20	1	564204.1	317115.8	0.26	1.86	2.12	0.30	1.86	2.16	0.04	0.04
Eco4_30	30	1	564196.4	317109.4	0.19	1.86	2.05	0.21	1.86	2.07	0.02	0.02
Eco4_40	40	1	564188.6	317103.1	0.15	1.86	2.01	0.17	1.86	2.03	0.02	0.02
Eco4_50	50	1	564180.9	317096.8	0.13	1.86	1.99	0.14	1.86	2.00	0.01	0.01
Eco4_60	60	1	564173.2	317090.5	0.11	1.86	1.97	0.12	1.86	1.98	0.01	0.01
Eco4_70	70	1	564165.4	317084.1	0.10	1.86	1.96	0.11	1.86	1.97	0.01	0.01

Receptor ID	Distance from road edge (m)	Clvl	X (m)	Y (m)	DM Road NH ₃ (µg/m ³)	DM Background NH ₃ (µg/m ³)	DM Total NH ₃ (µg/m ³)	DS Road NH ₃ (µg/m ³)	DS Background NH ₃ (µg/m ³)	DS Total NH ₃ (µg/m ³)	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl
Eco4_80	80	1	564157.7	317077.8	0.09	1.86	1.95	0.10	1.86	1.96	0.01	0.01
Eco4_90	90	1	564149.9	317071.5	0.08	1.86	1.94	0.10	1.86	1.96	0.02	0.02
Eco4_100	100	1	564142.2	317065.1	0.07	1.86	1.93	0.09	1.86	1.95	0.02	0.02
Eco4_110	110	1	564134.4	317058.8	0.07	1.86	1.93	0.09	1.86	1.95	0.02	0.02
Eco4_120	120	1	564126.8	317052.5	0.06	1.86	1.92	0.09	1.86	1.95	0.03	0.03
Eco4_130	130	1	564119.0	317046.1	0.06	1.86	1.92	0.09	1.86	1.95	0.03	0.03
Eco4_140	140	1	564111.3	317039.8	0.05	1.86	1.91	0.09	1.86	1.95	0.04	0.04
Eco4_150	150	1	564103.5	317033.5	0.05	1.86	1.91	0.09	1.86	1.95	0.04	0.04
Eco4_160	160	1	564095.8	317027.2	0.05	1.86	1.91	0.09	1.86	1.95	0.04	0.04
Eco4_170	170	1	564088.0	317020.8	0.04	1.86	1.90	0.09	1.86	1.95	0.05	0.05
Eco4_180	180	1	564080.3	317014.5	0.04	1.86	1.90	0.10	1.86	1.96	0.06	0.06
Eco4_190	190	1	564072.6	317008.2	0.04	1.86	1.90	0.10	1.86	1.96	0.06	0.06
Eco4_200	200	1	564064.8	317001.8	0.04	1.86	1.90	0.10	1.86	1.96	0.06	0.06
Eco5_43	43	1	564003.5	316905.5	0.03	1.86	1.89	0.25	1.86	2.11	0.22	0.22
Eco5_50	50	1	564008.6	316909.8	0.03	1.86	1.89	0.22	1.86	2.08	0.19	0.19
Eco5_60	60	1	564016.1	316916.3	0.03	1.86	1.89	0.19	1.86	2.05	0.16	0.16
Eco5_70	70	1	564023.8	316922.8	0.03	1.86	1.89	0.16	1.86	2.02	0.13	0.13
Eco5_80	80	1	564031.4	316929.3	0.03	1.86	1.89	0.14	1.86	2.00	0.11	0.11
Eco5_90	90	1	564038.9	316935.8	0.03	1.86	1.89	0.13	1.86	1.99	0.10	0.10
Eco5_100	100	1	564046.6	316942.3	0.03	1.86	1.89	0.12	1.86	1.98	0.09	0.09
Eco5_110	110	1	564054.1	316948.8	0.03	1.86	1.89	0.11	1.86	1.97	0.08	0.08
Eco5_120	120	1	564061.8	316955.3	0.03	1.86	1.89	0.10	1.86	1.96	0.07	0.07
Eco5_130	130	1	564069.4	316961.8	0.04	1.86	1.90	0.10	1.86	1.96	0.06	0.06
Eco5_140	140	1	564076.9	316968.3	0.04	1.86	1.90	0.09	1.86	1.95	0.05	0.05
Eco5_150	150	1	564084.6	316974.8	0.04	1.86	1.90	0.09	1.86	1.95	0.05	0.05
Eco5_160	160	1	564092.1	316981.3	0.04	1.86	1.90	0.09	1.86	1.95	0.05	0.05
Eco5_170	170	1	564099.8	316987.8	0.04	1.86	1.90	0.09	1.86	1.95	0.05	0.05
Eco5_180	180	1	564107.4	316994.3	0.04	1.86	1.90	0.08	1.86	1.94	0.04	0.04
Eco5_190	190	1	564114.9	317000.8	0.05	1.86	1.91	0.08	1.86	1.94	0.03	0.03
Eco5_200	200	1	564122.6	317007.3	0.05	1.86	1.91	0.08	1.86	1.94	0.03	0.03
Eco7_50	50	1	563247.5	316354.9	0.07	1.85	1.92	0.03	1.85	1.88	-0.04	-0.04
Eco7_60	60	1	563257.3	316356.9	0.07	1.85	1.92	0.03	1.85	1.88	-0.04	-0.04
Eco7_70	70	1	563267.1	316359.0	0.06	1.85	1.91	0.03	1.85	1.88	-0.03	-0.03
Eco7_80	80	1	563276.9	316361.1	0.06	1.85	1.91	0.03	1.85	1.88	-0.03	-0.03
Eco7_90	90	1	563286.6	316363.1	0.06	1.85	1.91	0.03	1.85	1.88	-0.03	-0.03
Eco7_100	100	1	563296.4	316365.2	0.05	1.85	1.90	0.03	1.85	1.88	-0.02	-0.02

Receptor ID	Distance from road edge (m)	CLvl	X (m)	Y (m)	DM Road NH ₃ (µg/m ³)	DM Background NH ₃ (µg/m ³)	DM Total NH ₃ (µg/m ³)	DS Road NH ₃ (µg/m ³)	DS Background NH ₃ (µg/m ³)	DS Total NH ₃ (µg/m ³)	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl
Eco7_110	110	1	563306.2	316367.3	0.05	1.85	1.90	0.03	1.85	1.88	-0.02	-0.02
Eco7_120	120	1	563316.0	316369.3	0.05	1.85	1.90	0.03	1.85	1.88	-0.02	-0.02
Eco6_82	82	1	561602.8	318045.4	0.09	1.83	1.92	0.08	1.83	1.91	-0.01	0.00
Eco6_90	90	3	561599.4	318039.1	0.08	1.83	1.91	0.08	1.83	1.91	0.00	0.00
Eco6_100	100	3	561594.6	318030.3	0.08	1.83	1.91	0.07	1.83	1.90	-0.01	0.00
Eco6_110	110	3	561589.9	318021.4	0.07	1.83	1.90	0.07	1.83	1.90	0.00	0.00
Eco6_120	120	3	561585.3	318012.6	0.07	1.83	1.90	0.06	1.83	1.89	-0.01	0.00
Eco6_130	130	3	561580.5	318003.8	0.06	1.83	1.89	0.06	1.83	1.89	0.00	0.00
Eco6_140	140	3	561575.8	317995.0	0.06	1.83	1.89	0.06	1.83	1.89	0.00	0.00
Eco6_150	150	3	561571.1	317986.2	0.06	1.83	1.89	0.05	1.83	1.88	-0.01	0.00
Eco6_160	160	3	561566.4	317977.3	0.06	1.83	1.89	0.05	1.83	1.88	-0.01	0.00
Eco6_170	170	3	561561.7	317968.5	0.05	1.83	1.88	0.05	1.83	1.88	0.00	0.00
Eco6_180	180	1	561556.9	317959.7	0.05	1.83	1.88	0.05	1.83	1.88	0.00	0.00
Eco6_190	190	1	561552.3	317950.9	0.05	1.83	1.88	0.04	1.83	1.87	-0.01	0.00
Eco6_196	196	1	561549.4	317945.6	0.05	1.83	1.88	0.04	1.83	1.87	-0.01	0.00
Eco8_200	200	1	565733.3	321570.9	0.05	1.82	1.87	0.05	1.82	1.87	0.00	0.00
Eco8_120	120	1	565804.0	321533.6	0.08	1.82	1.90	0.08	1.82	1.90	0.00	0.00
Eco8_90	90	1	565830.6	321519.7	0.10	1.82	1.92	0.10	1.82	1.92	0.00	0.00
Eco8_100	100	1	565821.7	321524.3	0.09	1.82	1.92	0.09	1.82	1.92	0.00	0.00
Eco8_70	70	1	565848.3	321510.3	0.13	1.82	1.95	0.13	1.82	1.95	0.00	0.00
Eco8_80	80	1	565839.4	321515.0	0.12	1.82	1.94	0.11	1.82	1.94	0.00	0.00
Eco8_190	190	1	565742.1	321566.3	0.05	1.82	1.87	0.05	1.82	1.87	0.00	0.00
Eco8_170	170	1	565759.8	321556.9	0.06	1.82	1.88	0.06	1.82	1.88	0.00	0.00
Eco8_180	180	1	565750.9	321561.6	0.05	1.82	1.87	0.05	1.82	1.88	0.00	0.00
Eco8_150	150	1	565777.4	321547.6	0.06	1.82	1.89	0.06	1.82	1.89	0.00	0.00
Eco8_160	160	1	565768.6	321552.3	0.06	1.82	1.88	0.06	1.82	1.88	0.00	0.00
Eco8_50	50	1	565865.9	321501.0	0.17	1.82	1.99	0.16	1.82	1.98	-0.01	-0.01
Eco8_60	60	1	565857.1	321505.7	0.15	1.82	1.97	0.14	1.82	1.96	-0.01	-0.01
Eco8_30	30	1	565883.6	321491.7	0.27	1.82	2.09	0.24	1.82	2.06	-0.03	-0.03
Eco8_40	40	1	565874.8	321496.3	0.21	1.82	2.03	0.19	1.82	2.01	-0.02	-0.02
Eco8_10	10	1	565901.3	321482.3	0.66	1.82	2.48	0.53	1.82	2.35	-0.14	-0.14
Eco8_20	20	1	565892.5	321487.0	0.38	1.82	2.20	0.32	1.82	2.14	-0.06	-0.06
Eco8_130	130	1	565795.1	321538.3	0.07	1.82	1.89	0.07	1.82	1.90	0.00	0.00
Eco8_140	140	1	565786.3	321542.9	0.07	1.82	1.89	0.07	1.82	1.89	0.00	0.00
Eco8_110	110	1	565812.9	321529.0	0.09	1.82	1.91	0.09	1.82	1.91	0.00	0.00
Eco12_180	180	1	566019.1	322037.6	0.05	1.88	1.94	0.06	1.88	1.94	0.00	0.00

Receptor ID	Distance from road edge (m)	Clvl	X (m)	Y (m)	DM Road NH ₃ (µg/m ³)	DM Background NH ₃ (µg/m ³)	DM Total NH ₃ (µg/m ³)	DS Road NH ₃ (µg/m ³)	DS Background NH ₃ (µg/m ³)	DS Total NH ₃ (µg/m ³)	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl
Eco11_172	172	1	565989.1	321967.5	0.06	1.82	1.88	0.06	1.82	1.88	0.00	0.00
Eco10_162	162	1	565959.1	321897.6	0.06	1.82	1.88	0.06	1.82	1.88	0.00	0.00
Eco9_120	120	1	565779.1	321487.6	0.08	1.82	1.90	0.08	1.82	1.90	0.00	0.00

Table 1-7 Model Predicted NH₃ Concentrations, Base 2019 and Projected Base 2042

Receptor ID	Distance from road edge (m)	NH ₃ Critical level (CLvl, µg/m ³)	X (m)	Y (m)	2019 Base Road NH ₃ (µg/m ³)	2019 Base Background NH ₃ (µg/m ³)	2019 Base Total NH ₃ (µg/m ³)	Projected Base Road NH ₃ (µg/m ³)	Projected Base Background NH ₃ (µg/m ³)	Projected Base Total NH ₃ (µg/m ³)	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl
Eco1_6	6	1	563070.5	316535.9	0.80	1.84	2.64	1.00	1.86	2.86	0.22	0.22
Eco1_10	10	1	563066.5	316535.7	0.56	1.84	2.40	0.69	1.86	2.55	0.15	0.15
Eco1_20	20	1	563056.5	316535.1	0.32	1.84	2.16	0.40	1.86	2.26	0.10	0.10
Eco1_30	30	1	563046.5	316534.4	0.23	1.84	2.07	0.29	1.86	2.15	0.08	0.08
Eco1_40	40	1	563036.6	316533.8	0.18	1.84	2.02	0.23	1.86	2.09	0.07	0.07
Eco1_50	50	1	563026.6	316533.2	0.15	1.84	1.99	0.19	1.86	2.05	0.06	0.06
Eco1_60	60	1	563016.6	316532.6	0.13	1.84	1.97	0.16	1.86	2.02	0.05	0.05
Eco1_70	70	1	563006.6	316531.9	0.11	1.84	1.95	0.14	1.86	2.00	0.05	0.05
Eco1_80	80	1	562996.6	316531.3	0.10	1.83	1.93	0.13	1.85	1.97	0.04	0.04
Eco1_90	90	1	562986.6	316530.7	0.09	1.83	1.92	0.11	1.85	1.96	0.04	0.04
Eco1_100	100	1	562976.7	316530.1	0.08	1.83	1.91	0.10	1.85	1.95	0.04	0.04
Eco1_110	110	1	562966.7	316529.4	0.07	1.83	1.90	0.09	1.85	1.94	0.04	0.04
Eco1_120	120	1	562956.7	316528.8	0.07	1.83	1.90	0.08	1.85	1.93	0.03	0.03
Eco1_130	130	1	562946.8	316528.2	0.06	1.83	1.89	0.08	1.85	1.92	0.03	0.03
Eco1_140	140	1	562936.8	316527.6	0.06	1.83	1.89	0.07	1.85	1.92	0.03	0.03
Eco1_150	150	1	562926.8	316526.9	0.05	1.83	1.88	0.07	1.85	1.91	0.03	0.03
Eco1_160	160	1	562916.8	316526.3	0.05	1.83	1.88	0.06	1.85	1.91	0.03	0.03
Eco1_170	170	1	562906.8	316525.7	0.05	1.83	1.88	0.06	1.85	1.91	0.03	0.03
Eco1_180	180	1	562896.8	316525.0	0.04	1.83	1.87	0.06	1.85	1.90	0.03	0.03
Eco1_190	190	1	562886.8	316524.4	0.04	1.83	1.87	0.05	1.85	1.90	0.03	0.03
Eco1_200	200	1	562876.9	316523.8	0.04	1.83	1.87	0.05	1.85	1.90	0.03	0.03
Eco2_177	177	1	562684.6	315309.6	0.01	1.83	1.84	0.02	1.85	1.86	0.02	0.02
Eco2_180	180	1	562682.3	315309.7	0.01	1.83	1.84	0.02	1.85	1.86	0.02	0.02
Eco2_190	190	1	562672.3	315310.2	0.01	1.83	1.84	0.02	1.85	1.86	0.02	0.02
Eco2_200	200	1	562662.3	315310.6	0.01	1.83	1.84	0.02	1.85	1.86	0.02	0.02
Eco3_200	200	1	563319.9	314140.8	0.03	1.85	1.88	0.04	1.87	1.91	0.03	0.03
Eco3_185	185	1	563333.7	314143.9	0.04	1.85	1.89	0.04	1.87	1.91	0.02	0.02
Eco3_190	190	1	563329.6	314143.0	0.03	1.85	1.88	0.04	1.87	1.91	0.03	0.03
Eco4_10.3	10.3	1	564211.7	317121.9	0.38	1.85	2.23	0.48	1.87	2.35	0.12	0.12
Eco4_20	20	1	564204.1	317115.8	0.23	1.85	2.08	0.29	1.87	2.16	0.08	0.08
Eco4_30	30	1	564196.4	317109.4	0.17	1.85	2.02	0.22	1.87	2.08	0.06	0.06
Eco4_40	40	1	564188.6	317103.1	0.14	1.85	1.99	0.17	1.87	2.04	0.05	0.05
Eco4_50	50	1	564180.9	317096.8	0.11	1.85	1.96	0.15	1.87	2.01	0.05	0.05

Receptor ID	Distance from road edge (m)	NH ₃ Critical level (CLvl, µg/m ³)	X (m)	Y (m)	2019 Base Road NH ₃ (µg/m ³)	2019 Base Background NH ₃ (µg/m ³)	2019 Base Total NH ₃ (µg/m ³)	Projected Base Road NH ₃ (µg/m ³)	Projected Base Background NH ₃ (µg/m ³)	Projected Base Total NH ₃ (µg/m ³)	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl
Eco4_60	60	1	564173.2	317090.5	0.10	1.85	1.95	0.13	1.87	1.99	0.04	0.04
Eco4_70	70	1	564165.4	317084.1	0.09	1.85	1.94	0.11	1.87	1.98	0.04	0.04
Eco4_80	80	1	564157.7	317077.8	0.08	1.85	1.93	0.10	1.87	1.97	0.04	0.04
Eco4_90	90	1	564149.9	317071.5	0.07	1.85	1.92	0.09	1.87	1.96	0.04	0.04
Eco4_100	100	1	564142.2	317065.1	0.06	1.85	1.91	0.08	1.87	1.95	0.04	0.04
Eco4_110	110	1	564134.4	317058.8	0.06	1.85	1.91	0.08	1.87	1.94	0.03	0.03
Eco4_120	120	1	564126.8	317052.5	0.06	1.85	1.91	0.07	1.87	1.94	0.03	0.03
Eco4_130	130	1	564119.0	317046.1	0.05	1.85	1.90	0.07	1.87	1.93	0.03	0.03
Eco4_140	140	1	564111.3	317039.8	0.05	1.85	1.90	0.06	1.87	1.93	0.03	0.03
Eco4_150	150	1	564103.5	317033.5	0.05	1.85	1.90	0.06	1.87	1.92	0.02	0.02
Eco4_160	160	1	564095.8	317027.2	0.04	1.85	1.89	0.05	1.87	1.92	0.03	0.03
Eco4_170	170	1	564088.0	317020.8	0.04	1.85	1.89	0.05	1.87	1.92	0.03	0.03
Eco4_180	180	1	564080.3	317014.5	0.04	1.85	1.89	0.05	1.87	1.92	0.03	0.03
Eco4_190	190	1	564072.6	317008.2	0.04	1.85	1.89	0.05	1.87	1.91	0.02	0.02
Eco4_200	200	1	564064.8	317001.8	0.04	1.85	1.89	0.05	1.87	1.91	0.02	0.02
Eco5_43	43	1	564003.5	316905.5	0.03	1.85	1.88	0.03	1.87	1.90	0.02	0.02
Eco5_50	50	1	564008.6	316909.8	0.03	1.85	1.88	0.03	1.87	1.90	0.02	0.02
Eco5_60	60	1	564016.1	316916.3	0.03	1.85	1.88	0.03	1.87	1.90	0.02	0.02
Eco5_70	70	1	564023.8	316922.8	0.03	1.85	1.88	0.04	1.87	1.90	0.02	0.02
Eco5_80	80	1	564031.4	316929.3	0.03	1.85	1.88	0.04	1.87	1.90	0.02	0.02
Eco5_90	90	1	564038.9	316935.8	0.03	1.85	1.88	0.04	1.87	1.90	0.02	0.02
Eco5_100	100	1	564046.6	316942.3	0.03	1.85	1.88	0.04	1.87	1.90	0.02	0.02
Eco5_110	110	1	564054.1	316948.8	0.03	1.85	1.88	0.04	1.87	1.91	0.03	0.03
Eco5_120	120	1	564061.8	316955.3	0.03	1.85	1.88	0.04	1.87	1.91	0.03	0.03
Eco5_130	130	1	564069.4	316961.8	0.03	1.85	1.88	0.04	1.87	1.91	0.03	0.03
Eco5_140	140	1	564076.9	316968.3	0.03	1.85	1.88	0.04	1.87	1.91	0.03	0.03
Eco5_150	150	1	564084.6	316974.8	0.04	1.85	1.89	0.04	1.87	1.91	0.02	0.02
Eco5_160	160	1	564092.1	316981.3	0.04	1.85	1.89	0.05	1.87	1.91	0.02	0.02
Eco5_170	170	1	564099.8	316987.8	0.04	1.85	1.89	0.05	1.87	1.92	0.03	0.03
Eco5_180	180	1	564107.4	316994.3	0.04	1.85	1.89	0.05	1.87	1.92	0.03	0.03
Eco5_190	190	1	564114.9	317000.8	0.04	1.85	1.89	0.05	1.87	1.92	0.03	0.03
Eco5_200	200	1	564122.6	317007.3	0.05	1.85	1.90	0.06	1.87	1.92	0.02	0.02
Eco7_50	50	1	563247.5	316354.9	0.06	1.84	1.90	0.08	1.86	1.94	0.04	0.04
Eco7_60	60	1	563257.3	316356.9	0.06	1.84	1.90	0.08	1.86	1.93	0.03	0.03
Eco7_70	70	1	563267.1	316359.0	0.06	1.84	1.90	0.07	1.86	1.93	0.03	0.03

Receptor ID	Distance from road edge (m)	NH ₃ Critical level (CLvl, µg/m ³)	X (m)	Y (m)	2019 Base Road NH ₃ (µg/m ³)	2019 Base Background NH ₃ (µg/m ³)	2019 Base Total NH ₃ (µg/m ³)	Projected Base Road NH ₃ (µg/m ³)	Projected Base Background NH ₃ (µg/m ³)	Projected Base Total NH ₃ (µg/m ³)	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl
Eco7_80	80	1	563276.9	316361.1	0.05	1.84	1.89	0.07	1.86	1.92	0.03	0.03
Eco7_90	90	1	563286.6	316363.1	0.05	1.84	1.89	0.06	1.86	1.92	0.03	0.03
Eco7_100	100	1	563296.4	316365.2	0.05	1.84	1.89	0.06	1.86	1.92	0.03	0.03
Eco7_110	110	1	563306.2	316367.3	0.05	1.84	1.89	0.06	1.86	1.92	0.03	0.03
Eco7_120	120	1	563316.0	316369.3	0.05	1.84	1.89	0.06	1.86	1.91	0.02	0.02
Eco6_82	82	1	561602.8	318045.4	0.08	1.82	1.90	0.10	1.84	1.94	0.04	0.04
Eco6_90	90	3	561599.4	318039.1	0.07	1.82	1.89	0.09	1.84	1.93	0.04	0.01
Eco6_100	100	3	561594.6	318030.3	0.07	1.82	1.89	0.09	1.84	1.92	0.03	0.01
Eco6_110	110	3	561589.9	318021.4	0.06	1.82	1.88	0.08	1.84	1.92	0.04	0.01
Eco6_120	120	3	561585.3	318012.6	0.06	1.82	1.88	0.08	1.84	1.91	0.03	0.01
Eco6_130	130	3	561580.5	318003.8	0.06	1.82	1.88	0.07	1.84	1.91	0.03	0.01
Eco6_140	140	3	561575.8	317995.0	0.05	1.82	1.87	0.07	1.84	1.91	0.04	0.01
Eco6_150	150	3	561571.1	317986.2	0.05	1.82	1.87	0.07	1.84	1.90	0.03	0.01
Eco6_160	160	3	561566.4	317977.3	0.05	1.82	1.87	0.06	1.84	1.90	0.03	0.01
Eco6_170	170	3	561561.7	317968.5	0.05	1.82	1.87	0.06	1.84	1.90	0.03	0.01
Eco6_180	180	1	561556.9	317959.7	0.05	1.82	1.87	0.06	1.84	1.89	0.02	0.02
Eco6_190	190	1	561552.3	317950.9	0.04	1.82	1.86	0.06	1.84	1.89	0.03	0.03
Eco6_196	196	1	561549.4	317945.6	0.04	1.82	1.86	0.05	1.84	1.89	0.03	0.03
Eco8_200	200	1	565733.3	321570.9	0.04	1.81	1.85	0.05	1.83	1.88	0.03	0.03
Eco8_120	120	1	565804.0	321533.6	0.07	1.81	1.88	0.09	1.83	1.91	0.03	0.03
Eco8_90	90	1	565830.6	321519.7	0.09	1.81	1.90	0.11	1.83	1.94	0.04	0.04
Eco8_100	100	1	565821.7	321524.3	0.08	1.81	1.89	0.10	1.83	1.93	0.04	0.04
Eco8_70	70	1	565848.3	321510.3	0.11	1.81	1.92	0.14	1.83	1.97	0.05	0.05
Eco8_80	80	1	565839.4	321515.0	0.10	1.81	1.91	0.13	1.83	1.95	0.04	0.04
Eco8_190	190	1	565742.1	321566.3	0.04	1.81	1.85	0.06	1.83	1.88	0.03	0.03
Eco8_170	170	1	565759.8	321556.9	0.05	1.81	1.86	0.06	1.83	1.89	0.03	0.03
Eco8_180	180	1	565750.9	321561.6	0.05	1.81	1.86	0.06	1.83	1.89	0.03	0.03
Eco8_150	150	1	565777.4	321547.6	0.06	1.81	1.87	0.07	1.83	1.90	0.03	0.03
Eco8_160	160	1	565768.6	321552.3	0.05	1.81	1.86	0.07	1.83	1.89	0.03	0.03
Eco8_50	50	1	565865.9	321501.0	0.15	1.81	1.96	0.19	1.83	2.02	0.06	0.06
Eco8_60	60	1	565857.1	321505.7	0.13	1.81	1.94	0.16	1.83	1.99	0.05	0.05
Eco8_30	30	1	565883.6	321491.7	0.23	1.81	2.04	0.29	1.83	2.12	0.08	0.08
Eco8_40	40	1	565874.8	321496.3	0.18	1.81	1.99	0.23	1.83	2.06	0.07	0.07
Eco8_10	10	1	565901.3	321482.3	0.57	1.81	2.38	0.73	1.83	2.55	0.17	0.17
Eco8_20	20	1	565892.5	321487.0	0.33	1.81	2.14	0.41	1.83	2.24	0.11	0.11

Receptor ID	Distance from road edge (m)	NH ₃ Critical level (CLvl, µg/m ³)	X (m)	Y (m)	2019 Base Road NH ₃ (µg/m ³)	2019 Base Background NH ₃ (µg/m ³)	2019 Base Total NH ₃ (µg/m ³)	Projected Base Road NH ₃ (µg/m ³)	Projected Base Background NH ₃ (µg/m ³)	Projected Base Total NH ₃ (µg/m ³)	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl
Eco8_130	130	1	565795.1	321538.3	0.06	1.81	1.87	0.08	1.83	1.91	0.03	0.03
Eco8_140	140	1	565786.3	321542.9	0.06	1.81	1.87	0.08	1.83	1.90	0.03	0.03
Eco8_110	110	1	565812.9	321529.0	0.08	1.81	1.89	0.10	1.83	1.92	0.04	0.04
Eco12_180	180	1	566019.1	322037.6	0.05	1.87	1.92	0.06	1.89	1.95	0.03	0.03
Eco11_172	172	1	565989.1	321967.5	0.05	1.81	1.86	0.06	1.83	1.89	0.03	0.03
Eco10_162	162	1	565959.1	321897.6	0.05	1.81	1.86	0.07	1.83	1.89	0.03	0.03
Eco9_120	120	1	565779.1	321487.6	0.07	1.81	1.88	0.09	1.83	1.91	0.03	0.03

Table 1-8 Model Predicted NH₃ Concentrations, DM 2042 and DS 2042

Receptor ID	Distance from road edge (m)	Civil	X (m)	Y (m)	DM Road NH ₃ (µg/m ³)	DM Background NH ₃ (µg/m ³)	DM Total NH ₃ (µg/m ³)	DS Road NH ₃ (µg/m ³)	DS Background NH ₃ (µg/m ³)	DS Total NH ₃ (µg/m ³)	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl
Eco1_6	6	1	563070.5	316535.9	0.51	1.86	2.37	0.30	1.86	2.16	-0.21	-0.21
Eco1_10	10	1	563066.5	316535.7	0.35	1.86	2.21	0.20	1.86	2.06	-0.15	-0.15
Eco1_20	20	1	563056.5	316535.1	0.20	1.86	2.06	0.11	1.86	1.97	-0.09	-0.09
Eco1_30	30	1	563046.5	316534.4	0.15	1.86	2.01	0.08	1.86	1.94	-0.07	-0.07
Eco1_40	40	1	563036.6	316533.8	0.12	1.86	1.98	0.06	1.86	1.92	-0.06	-0.06
Eco1_50	50	1	563026.6	316533.2	0.10	1.86	1.96	0.05	1.86	1.91	-0.05	-0.05
Eco1_60	60	1	563016.6	316532.6	0.08	1.86	1.94	0.04	1.86	1.90	-0.04	-0.04
Eco1_70	70	1	563006.6	316531.9	0.07	1.86	1.93	0.04	1.86	1.90	-0.03	-0.03
Eco1_80	80	1	562996.6	316531.3	0.07	1.85	1.92	0.04	1.85	1.89	-0.03	-0.03
Eco1_90	90	1	562986.6	316530.7	0.06	1.85	1.91	0.03	1.85	1.88	-0.03	-0.03
Eco1_100	100	1	562976.7	316530.1	0.06	1.85	1.91	0.03	1.85	1.88	-0.03	-0.03
Eco1_110	110	1	562966.7	316529.4	0.05	1.85	1.90	0.03	1.85	1.88	-0.02	-0.02
Eco1_120	120	1	562956.7	316528.8	0.05	1.85	1.90	0.03	1.85	1.88	-0.02	-0.02
Eco1_130	130	1	562946.8	316528.2	0.05	1.85	1.90	0.03	1.85	1.88	-0.02	-0.02
Eco1_140	140	1	562936.8	316527.6	0.04	1.85	1.89	0.02	1.85	1.87	-0.02	-0.02
Eco1_150	150	1	562926.8	316526.9	0.04	1.85	1.89	0.02	1.85	1.87	-0.02	-0.02
Eco1_160	160	1	562916.8	316526.3	0.04	1.85	1.89	0.02	1.85	1.87	-0.02	-0.02
Eco1_170	170	1	562906.8	316525.7	0.04	1.85	1.89	0.02	1.85	1.87	-0.02	-0.02
Eco1_180	180	1	562896.8	316525.0	0.03	1.85	1.88	0.02	1.85	1.87	-0.01	-0.01
Eco1_190	190	1	562886.8	316524.4	0.03	1.85	1.88	0.02	1.85	1.87	-0.01	-0.01
Eco1_200	200	1	562876.9	316523.8	0.03	1.85	1.88	0.02	1.85	1.87	-0.01	-0.01
Eco2_177	177	1	562684.6	315309.6	0.02	1.85	1.87	0.01	1.85	1.86	-0.01	-0.01
Eco2_180	180	1	562682.3	315309.7	0.02	1.85	1.87	0.01	1.85	1.86	-0.01	-0.01
Eco2_190	190	1	562672.3	315310.2	0.02	1.85	1.87	0.01	1.85	1.86	-0.01	-0.01
Eco2_200	200	1	562662.3	315310.6	0.02	1.85	1.87	0.01	1.85	1.86	-0.01	-0.01
Eco3_200	200	1	563319.9	314140.8	0.04	1.87	1.91	0.03	1.87	1.90	-0.01	-0.01
Eco3_185	185	1	563333.7	314143.9	0.05	1.87	1.92	0.04	1.87	1.91	-0.01	-0.01
Eco3_190	190	1	563329.6	314143.0	0.05	1.87	1.92	0.04	1.87	1.91	-0.01	-0.01
Eco4_10.3	10.3	1	564211.7	317121.9	0.53	1.87	2.40	0.53	1.87	2.40	0.00	0.00
Eco4_20	20	1	564204.1	317115.8	0.34	1.87	2.21	0.30	1.87	2.17	-0.04	-0.04
Eco4_30	30	1	564196.4	317109.4	0.26	1.87	2.13	0.21	1.87	2.08	-0.05	-0.05
Eco4_40	40	1	564188.6	317103.1	0.22	1.87	2.09	0.17	1.87	2.04	-0.05	-0.05
Eco4_50	50	1	564180.9	317096.8	0.19	1.87	2.06	0.14	1.87	2.01	-0.05	-0.05
Eco4_60	60	1	564173.2	317090.5	0.17	1.87	2.04	0.12	1.87	1.99	-0.05	-0.05
Eco4_70	70	1	564165.4	317084.1	0.16	1.87	2.03	0.11	1.87	1.98	-0.05	-0.05

Receptor ID	Distance from road edge (m)	CLvl	X (m)	Y (m)	DM Road NH ₃ (µg/m ³)	DM Background NH ₃ (µg/m ³)	DM Total NH ₃ (µg/m ³)	DS Road NH ₃ (µg/m ³)	DS Background NH ₃ (µg/m ³)	DS Total NH ₃ (µg/m ³)	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl
Eco4_80	80	1	564157.7	317077.8	0.15	1.87	2.02	0.10	1.87	1.97	-0.05	-0.05
Eco4_90	90	1	564149.9	317071.5	0.14	1.87	2.01	0.10	1.87	1.97	-0.04	-0.04
Eco4_100	100	1	564142.2	317065.1	0.14	1.87	2.01	0.09	1.87	1.96	-0.05	-0.05
Eco4_110	110	1	564134.4	317058.8	0.13	1.87	2.00	0.09	1.87	1.96	-0.04	-0.04
Eco4_120	120	1	564126.8	317052.5	0.13	1.87	2.00	0.09	1.87	1.96	-0.04	-0.04
Eco4_130	130	1	564119.0	317046.1	0.13	1.87	2.00	0.09	1.87	1.96	-0.04	-0.04
Eco4_140	140	1	564111.3	317039.8	0.13	1.87	2.00	0.09	1.87	1.96	-0.04	-0.04
Eco4_150	150	1	564103.5	317033.5	0.13	1.87	2.00	0.09	1.87	1.96	-0.04	-0.04
Eco4_160	160	1	564095.8	317027.2	0.14	1.87	2.01	0.09	1.87	1.96	-0.05	-0.05
Eco4_170	170	1	564088.0	317020.8	0.14	1.87	2.01	0.09	1.87	1.96	-0.05	-0.05
Eco4_180	180	1	564080.3	317014.5	0.14	1.87	2.01	0.10	1.87	1.97	-0.04	-0.04
Eco4_190	190	1	564072.6	317008.2	0.15	1.87	2.02	0.10	1.87	1.97	-0.05	-0.05
Eco4_200	200	1	564064.8	317001.8	0.16	1.87	2.03	0.10	1.87	1.97	-0.06	-0.06
Eco5_43	43	1	564003.5	316905.5	0.35	1.87	2.22	0.25	1.87	2.12	-0.10	-0.10
Eco5_50	50	1	564008.6	316909.8	0.31	1.87	2.18	0.22	1.87	2.09	-0.09	-0.09
Eco5_60	60	1	564016.1	316916.3	0.27	1.87	2.14	0.19	1.87	2.06	-0.08	-0.08
Eco5_70	70	1	564023.8	316922.8	0.24	1.87	2.11	0.16	1.87	2.03	-0.08	-0.08
Eco5_80	80	1	564031.4	316929.3	0.21	1.87	2.08	0.14	1.87	2.01	-0.07	-0.07
Eco5_90	90	1	564038.9	316935.8	0.20	1.87	2.07	0.13	1.87	2.00	-0.07	-0.07
Eco5_100	100	1	564046.6	316942.3	0.18	1.87	2.05	0.12	1.87	1.99	-0.06	-0.06
Eco5_110	110	1	564054.1	316948.8	0.17	1.87	2.04	0.11	1.87	1.98	-0.06	-0.06
Eco5_120	120	1	564061.8	316955.3	0.16	1.87	2.03	0.10	1.87	1.97	-0.06	-0.06
Eco5_130	130	1	564069.4	316961.8	0.15	1.87	2.02	0.10	1.87	1.97	-0.05	-0.05
Eco5_140	140	1	564076.9	316968.3	0.14	1.87	2.01	0.09	1.87	1.96	-0.05	-0.05
Eco5_150	150	1	564084.6	316974.8	0.14	1.87	2.01	0.09	1.87	1.96	-0.05	-0.05
Eco5_160	160	1	564092.1	316981.3	0.13	1.87	2.00	0.09	1.87	1.96	-0.04	-0.04
Eco5_170	170	1	564099.8	316987.8	0.13	1.87	2.00	0.09	1.87	1.96	-0.04	-0.04
Eco5_180	180	1	564107.4	316994.3	0.13	1.87	2.00	0.08	1.87	1.95	-0.05	-0.05
Eco5_190	190	1	564114.9	317000.8	0.12	1.87	1.99	0.08	1.87	1.95	-0.04	-0.04
Eco5_200	200	1	564122.6	317007.3	0.12	1.87	1.99	0.08	1.87	1.95	-0.04	-0.04
Eco7_50	50	1	563247.5	316354.9	0.15	1.86	2.01	0.03	1.86	1.89	-0.12	-0.12
Eco7_60	60	1	563257.3	316356.9	0.14	1.86	2.00	0.03	1.86	1.89	-0.11	-0.11
Eco7_70	70	1	563267.1	316359.0	0.14	1.86	2.00	0.03	1.86	1.89	-0.11	-0.11
Eco7_80	80	1	563276.9	316361.1	0.13	1.86	1.99	0.03	1.86	1.89	-0.10	-0.10
Eco7_90	90	1	563286.6	316363.1	0.12	1.86	1.98	0.03	1.86	1.89	-0.09	-0.09
Eco7_100	100	1	563296.4	316365.2	0.07	1.86	1.93	0.03	1.86	1.89	-0.04	-0.04

Receptor ID	Distance from road edge (m)	CLvl	X (m)	Y (m)	DM Road NH ₃ (µg/m ³)	DM Background NH ₃ (µg/m ³)	DM Total NH ₃ (µg/m ³)	DS Road NH ₃ (µg/m ³)	DS Background NH ₃ (µg/m ³)	DS Total NH ₃ (µg/m ³)	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl
Eco7_110	110	1	563306.2	316367.3	0.05	1.86	1.91	0.03	1.86	1.89	-0.02	-0.02
Eco7_120	120	1	563316.0	316369.3	0.05	1.86	1.91	0.03	1.86	1.89	-0.02	-0.02
Eco6_82	82	1	561602.8	318045.4	0.11	1.84	1.95	0.08	1.84	1.92	-0.03	-0.03
Eco6_90	90	3	561599.4	318039.1	0.10	1.84	1.94	0.08	1.84	1.92	-0.02	-0.01
Eco6_100	100	3	561594.6	318030.3	0.10	1.84	1.94	0.07	1.84	1.91	-0.03	-0.01
Eco6_110	110	3	561589.9	318021.4	0.09	1.84	1.93	0.07	1.84	1.91	-0.02	-0.01
Eco6_120	120	3	561585.3	318012.6	0.08	1.84	1.92	0.06	1.84	1.90	-0.02	-0.01
Eco6_130	130	3	561580.5	318003.8	0.08	1.84	1.92	0.06	1.84	1.90	-0.02	-0.01
Eco6_140	140	3	561575.8	317995.0	0.08	1.84	1.92	0.06	1.84	1.90	-0.02	-0.01
Eco6_150	150	3	561571.1	317986.2	0.07	1.84	1.91	0.05	1.84	1.89	-0.02	-0.01
Eco6_160	160	3	561566.4	317977.3	0.07	1.84	1.91	0.05	1.84	1.89	-0.02	-0.01
Eco6_170	170	3	561561.7	317968.5	0.07	1.84	1.91	0.05	1.84	1.89	-0.02	-0.01
Eco6_180	180	1	561556.9	317959.7	0.06	1.84	1.90	0.05	1.84	1.89	-0.01	-0.01
Eco6_190	190	1	561552.3	317950.9	0.06	1.84	1.90	0.04	1.84	1.88	-0.02	-0.02
Eco6_196	196	1	561549.4	317945.6	0.06	1.84	1.90	0.04	1.84	1.88	-0.02	-0.02
Eco8_200	200	1	565733.3	321570.9	0.06	1.83	1.89	0.05	1.83	1.87	-0.01	-0.01
Eco8_120	120	1	565804.0	321533.6	0.11	1.83	1.93	0.08	1.83	1.91	-0.02	-0.02
Eco8_90	90	1	565830.6	321519.7	0.14	1.83	1.96	0.10	1.83	1.93	-0.04	-0.04
Eco8_100	100	1	565821.7	321524.3	0.13	1.83	1.95	0.09	1.83	1.92	-0.03	-0.03
Eco8_70	70	1	565848.3	321510.3	0.17	1.83	2.00	0.13	1.83	1.95	-0.05	-0.05
Eco8_80	80	1	565839.4	321515.0	0.15	1.83	1.98	0.11	1.83	1.94	-0.04	-0.04
Eco8_190	190	1	565742.1	321566.3	0.07	1.83	1.89	0.05	1.83	1.88	-0.02	-0.02
Eco8_170	170	1	565759.8	321556.9	0.07	1.83	1.90	0.06	1.83	1.88	-0.02	-0.02
Eco8_180	180	1	565750.9	321561.6	0.07	1.83	1.90	0.05	1.83	1.88	-0.02	-0.02
Eco8_150	150	1	565777.4	321547.6	0.08	1.83	1.91	0.06	1.83	1.89	-0.02	-0.02
Eco8_160	160	1	565768.6	321552.3	0.08	1.83	1.91	0.06	1.83	1.89	-0.02	-0.02
Eco8_50	50	1	565865.9	321501.0	0.23	1.83	2.06	0.16	1.83	1.99	-0.07	-0.07
Eco8_60	60	1	565857.1	321505.7	0.20	1.83	2.02	0.14	1.83	1.97	-0.05	-0.05
Eco8_30	30	1	565883.6	321491.7	0.35	1.83	2.18	0.24	1.83	2.06	-0.12	-0.12
Eco8_40	40	1	565874.8	321496.3	0.28	1.83	2.10	0.19	1.83	2.02	-0.09	-0.09
Eco8_10	10	1	565901.3	321482.3	0.87	1.83	2.70	0.53	1.83	2.35	-0.34	-0.34
Eco8_20	20	1	565892.5	321487.0	0.50	1.83	2.32	0.32	1.83	2.14	-0.18	-0.18
Eco8_130	130	1	565795.1	321538.3	0.10	1.83	1.92	0.07	1.83	1.90	-0.02	-0.02
Eco8_140	140	1	565786.3	321542.9	0.09	1.83	1.92	0.07	1.83	1.90	-0.02	-0.02
Eco8_110	110	1	565812.9	321529.0	0.11	1.83	1.94	0.09	1.83	1.91	-0.03	-0.03
Eco12_180	180	1	566019.1	322037.6	0.07	1.89	1.96	0.06	1.89	1.94	-0.02	-0.02

Receptor ID	Distance from road edge (m)	Clvl	X (m)	Y (m)	DM Road NH ₃ (µg/m ³)	DM Background NH ₃ (µg/m ³)	DM Total NH ₃ (µg/m ³)	DS Road NH ₃ (µg/m ³)	DS Background NH ₃ (µg/m ³)	DS Total NH ₃ (µg/m ³)	Change NH ₃ (µg/m ³)	CLvl % Change Relative to CLvl
Eco11_172	172	1	565989.1	321967.5	0.08	1.83	1.90	0.06	1.83	1.88	-0.02	-0.02
Eco10_162	162	1	565959.1	321897.6	0.08	1.83	1.91	0.06	1.83	1.89	-0.02	-0.02
Eco9_120	120	1	565779.1	321487.6	0.10	1.83	1.93	0.08	1.83	1.91	-0.02	-0.02

1.4 Change in Nitrogen Deposition (N-dep) at Ecological Receptors

Table 1-9 Model Predicted N-Dep, Base 2019 and Projected Base 2027

Receptor	Distance from road edge (m)	Tall or Low	Lower CLd N-dep (kg/ha/yr)	X (m)	Y (m)	1. 2019 Base Road NO ₂ (µg/m ³)	1. 2019 Base Road N-Dep from NO ₂ (kg/ha/yr)	1. 2019 Base Road NH ₃ (µg/m ³)	1. 2019 Base Road N-Dep from NH ₃ (kg/ha/yr)	1. 2019 Base Total Road N-Dep (kg/ha/yr)	1. 2019 Base Background N-Dep (kg/ha/yr)	1. 2019 Base Total N-Dep (kg/ha/yr)	2. Projected Base Road NO ₂ (µg/m ³)	2. Projected Base Road N-Dep from NO ₂ (kg/ha/yr)	2. Projected Base Road NH ₃ (µg/m ³)	2. Projected Base Road N-Dep from NH ₃ (kg/ha/yr)	2. Projected Base Total Road N-Dep (kg/ha/yr)	2. Projected Base Background N-Dep (kg/ha/yr)	2. Projected Base Total N-Dep (kg/ha/yr)	2.-1. Change N-Dep (kg/ha/yr)	(2.-1.)/CLd.% Change Relative to Lower CLd
Eco1_6	6	Low	5	563071	316536	14.05	2.02	0.80	4.16	6.18	17.74	23.92	13.87	2.00	0.92	4.77	6.76	16.26	23.02	-0.89	-0.18
Eco1_10	10	Low	5	563067	316536	10.16	1.46	0.56	2.91	4.37	17.74	22.11	10.04	1.45	0.64	3.30	4.75	16.26	21.01	-1.10	-0.22
Eco1_20	20	Low	5	563057	316535	6.33	0.91	0.32	1.66	2.57	17.74	20.31	6.26	0.90	0.37	1.92	2.83	16.26	19.08	-1.23	-0.25
Eco1_30	30	Low	5	563047	316534	4.76	0.69	0.23	1.19	1.88	17.74	19.62	4.71	0.68	0.27	1.39	2.07	16.26	18.33	-1.30	-0.26
Eco1_40	40	Low	5	563037	316534	3.88	0.56	0.18	0.93	1.49	17.74	19.23	3.84	0.55	0.21	1.10	1.65	16.26	17.91	-1.33	-0.27
Eco1_50	50	Low	5	563027	316533	3.30	0.48	0.15	0.78	1.25	17.74	18.99	3.27	0.47	0.18	0.91	1.38	16.26	17.64	-1.36	-0.27
Eco1_60	60	Low	5	563017	316533	2.88	0.41	0.13	0.68	1.09	17.74	18.83	2.85	0.41	0.15	0.78	1.19	16.26	17.45	-1.38	-0.28
Eco1_70	70	Low	5	563007	316532	2.56	0.37	0.11	0.57	0.94	17.74	18.68	2.53	0.36	0.13	0.68	1.04	16.26	17.30	-1.38	-0.28
Eco1_80	80	Low	5	562997	316531	2.31	0.33	0.10	0.52	0.85	17.49	18.34	2.28	0.33	0.12	0.60	0.93	16.03	16.96	-1.38	-0.28
Eco1_90	90	Low	5	562987	316531	2.10	0.30	0.09	0.47	0.77	17.49	18.26	2.07	0.30	0.10	0.54	0.83	16.03	16.86	-1.40	-0.28
Eco1_100	100	Low	5	562977	316530	1.92	0.28	0.08	0.42	0.69	17.49	18.18	1.90	0.27	0.09	0.48	0.76	16.03	16.79	-1.39	-0.28
Eco1_110	110	Low	5	562967	316529	1.77	0.25	0.07	0.36	0.62	17.49	18.11	1.75	0.25	0.08	0.44	0.69	16.03	16.72	-1.39	-0.28
Eco1_120	120	Low	5	562957	316529	1.64	0.24	0.07	0.36	0.60	17.49	18.09	1.63	0.23	0.08	0.40	0.64	16.03	16.67	-1.42	-0.28
Eco1_130	130	Low	5	562947	316528	1.53	0.22	0.06	0.31	0.53	17.49	18.02	1.52	0.22	0.07	0.37	0.59	16.03	16.62	-1.40	-0.28
Eco1_140	140	Low	5	562937	316528	1.44	0.21	0.06	0.31	0.52	17.49	18.01	1.42	0.20	0.07	0.35	0.55	16.03	16.58	-1.43	-0.29
Eco1_150	150	Low	5	562927	316527	1.35	0.19	0.05	0.26	0.45	17.49	17.94	1.33	0.19	0.06	0.32	0.51	16.03	16.54	-1.40	-0.28
Eco1_160	160	Low	5	562917	316526	1.27	0.18	0.05	0.26	0.44	17.49	17.93	1.26	0.18	0.06	0.30	0.48	16.03	16.51	-1.42	-0.28
Eco1_170	170	Low	5	562907	316526	1.20	0.17	0.05	0.26	0.43	17.49	17.92	1.19	0.17	0.05	0.28	0.45	16.03	16.48	-1.44	-0.29
Eco1_180	180	Low	5	562897	316525	1.15	0.17	0.04	0.21	0.37	17.49	17.86	1.13	0.16	0.05	0.27	0.43	16.03	16.46	-1.41	-0.28
Eco1_190	190	Low	5	562887	316524	1.09	0.16	0.04	0.21	0.36	17.49	17.85	1.08	0.16	0.05	0.25	0.41	16.03	16.44	-1.42	-0.28
Eco1_200	200	Low	5	562877	316524	1.05	0.15	0.04	0.21	0.36	17.49	17.85	1.03	0.15	0.05	0.24	0.39	16.03	16.42	-1.43	-0.29
Eco2_177	177	Low	5	562685	315310	0.43	0.06	0.01	0.05	0.11	17.51	17.62	0.42	0.06	0.02	0.09	0.15	16.05	16.19	-1.43	-0.29
Eco2_180	180	Low	5	562682	315310	0.43	0.06	0.01	0.05	0.11	17.51	17.62	0.42	0.06	0.02	0.09	0.15	16.05	16.19	-1.43	-0.29
Eco2_190	190	Low	5	562672	315310	0.41	0.06	0.01	0.05	0.11	17.51	17.62	0.40	0.06	0.02	0.08	0.14	16.05	16.19	-1.43	-0.29
Eco2_200	200	Low	5	562662	315311	0.40	0.06	0.01	0.05	0.11	17.51	17.62	0.39	0.06	0.02	0.08	0.13	16.05	16.18	-1.44	-0.29
Eco3_200	200	Low	5	563320	314141	0.76	0.11	0.03	0.16	0.27	17.78	18.05	0.75	0.11	0.04	0.19	0.30	16.30	16.60	-1.45	-0.29
Eco3_185	185	Low	5	563334	314144	0.82	0.12	0.04	0.21	0.33	17.78	18.11	0.81	0.12	0.04	0.21	0.33	16.30	16.62	-1.48	-0.30
Eco3_190	190	Low	5	563330	314143	0.80	0.12	0.03	0.16	0.27	17.78	18.05	0.79	0.11	0.04	0.20	0.32	16.30	16.61	-1.44	-0.29
Eco4_10.3	10.3	Low	5	564212	317122	6.64	0.96	0.38	1.97	2.93	17.97	20.90	6.57	0.95	0.44	2.29	3.24	16.47	19.71	-1.19	-0.24
Eco4_20	20	Low	5	564204	317116	4.30	0.62	0.23	1.19	1.81	17.97	19.78	4.25	0.61	0.27	1.39	2.00	16.47	18.47	-1.31	-0.26
Eco4_30	30	Low	5	564196	317109	3.30	0.48	0.17	0.88	1.36	17.97	19.33	3.26	0.47	0.20	1.02	1.49	16.47	17.96	-1.37	-0.27
Eco4_40	40	Low	5	564189	317103	2.72	0.39	0.14	0.73	1.12	17.97	19.09	2.70	0.39	0.16	0.82	1.21	16.47	17.68	-1.41	-0.28
Eco4_50	50	Low	5	564181	317097	2.36	0.34	0.11	0.57	0.91	17.97	18.88	2.33	0.34	0.13	0.69	1.02	16.47	17.49	-1.39	-0.28
Eco4_60	60	Low	5	564173	317090	2.08	0.30	0.10	0.52	0.82	17.97	18.79	2.06	0.30	0.11	0.59	0.89	16.47	17.36	-1.43	-0.29

Receptor	Distance from road edge (m)	Tall or Low	Lower CLd N-dep (kg/ha/yr)	X (m)	Y (m)	1. 2019 Base Road NO ₂ (µg/m ³)	1. 2019 Base Road N-Dep from NO ₂ (kg/ha/yr)	1. 2019 Base Road NH ₃ (µg/m ³)	1. 2019 Base Road N-Dep from NH ₃ (kg/ha/yr)	1. 2019 Base Total Road N-Dep (kg/ha/yr)	1. 2019 Base Background N-Dep (kg/ha/yr)	1. 2019 Base Total N-Dep (kg/ha/yr)	2. Projected Base Road NO ₂ (µg/m ³)	2. Projected Base Road N-Dep from NO ₂ (kg/ha/yr)	2. Projected Base Road NH ₃ (µg/m ³)	2. Projected Base Road N-Dep from NH ₃ (kg/ha/yr)	2. Projected Base Total Road N-Dep (kg/ha/yr)	2. Projected Base Background N-Dep (kg/ha/yr)	2. Projected Base Total N-Dep (kg/ha/yr)	2.-1. Change N-Dep (kg/ha/yr)	(2.-1.)/CLd.% Change Relative to Lower CLd
Eco4_70	70	Low	5	564165	317084	1.88	0.27	0.09	0.47	0.74	17.97	18.71	1.86	0.27	0.10	0.52	0.79	16.47	17.26	-1.45	-0.29
Eco4_80	80	Low	5	564158	317078	1.71	0.25	0.08	0.42	0.66	17.97	18.63	1.69	0.24	0.09	0.47	0.71	16.47	17.18	-1.45	-0.29
Eco4_90	90	Low	5	564150	317071	1.57	0.23	0.07	0.36	0.59	17.97	18.56	1.56	0.22	0.08	0.42	0.65	16.47	17.12	-1.44	-0.29
Eco4_100	100	Low	5	564142	317065	1.46	0.21	0.06	0.31	0.52	17.97	18.49	1.45	0.21	0.07	0.39	0.60	16.47	17.07	-1.43	-0.29
Eco4_110	110	Low	5	564134	317059	1.37	0.20	0.06	0.31	0.51	17.97	18.48	1.35	0.19	0.07	0.36	0.55	16.47	17.02	-1.46	-0.29
Eco4_120	120	Low	5	564127	317052	1.28	0.18	0.06	0.31	0.50	17.97	18.47	1.27	0.18	0.06	0.33	0.51	16.47	16.98	-1.48	-0.30
Eco4_130	130	Low	5	564119	317046	1.21	0.17	0.05	0.26	0.43	17.97	18.40	1.20	0.17	0.06	0.31	0.48	16.47	16.95	-1.45	-0.29
Eco4_140	140	Low	5	564111	317040	1.15	0.17	0.05	0.26	0.43	17.97	18.40	1.14	0.16	0.06	0.29	0.45	16.47	16.92	-1.47	-0.29
Eco4_150	150	Low	5	564104	317033	1.09	0.16	0.05	0.26	0.42	17.97	18.39	1.08	0.16	0.05	0.27	0.43	16.47	16.90	-1.49	-0.30
Eco4_160	160	Low	5	564096	317027	1.04	0.15	0.04	0.21	0.36	17.97	18.33	1.03	0.15	0.05	0.26	0.41	16.47	16.88	-1.45	-0.29
Eco4_170	170	Low	5	564088	317021	1.00	0.14	0.04	0.21	0.35	17.97	18.32	0.99	0.14	0.05	0.25	0.39	16.47	16.86	-1.46	-0.29
Eco4_180	180	Low	5	564080	317015	0.97	0.14	0.04	0.21	0.35	17.97	18.32	0.95	0.14	0.05	0.23	0.37	16.47	16.84	-1.48	-0.30
Eco4_190	190	Low	5	564073	317008	0.93	0.13	0.04	0.21	0.34	17.97	18.31	0.92	0.13	0.04	0.22	0.36	16.47	16.83	-1.49	-0.30
Eco4_200	200	Low	5	564065	317002	0.90	0.13	0.04	0.21	0.34	17.97	18.31	0.89	0.13	0.04	0.22	0.34	16.47	16.81	-1.49	-0.30
Eco5_43	43	Low	5	564004	316906	0.70	0.10	0.03	0.16	0.26	17.99	18.25	0.69	0.10	0.03	0.16	0.26	16.49	16.74	-1.50	-0.30
Eco5_50	50	Low	5	564009	316910	0.70	0.10	0.03	0.16	0.26	17.99	18.25	0.70	0.10	0.03	0.16	0.26	16.49	16.75	-1.50	-0.30
Eco5_60	60	Low	5	564016	316916	0.71	0.10	0.03	0.16	0.26	17.99	18.25	0.71	0.10	0.03	0.16	0.27	16.49	16.75	-1.50	-0.30
Eco5_70	70	Low	5	564024	316923	0.73	0.11	0.03	0.16	0.26	17.99	18.25	0.72	0.10	0.03	0.17	0.27	16.49	16.76	-1.49	-0.30
Eco5_80	80	Low	5	564031	316929	0.74	0.11	0.03	0.16	0.26	17.99	18.25	0.73	0.11	0.03	0.17	0.28	16.49	16.76	-1.49	-0.30
Eco5_90	90	Low	5	564039	316936	0.75	0.11	0.03	0.16	0.26	17.99	18.25	0.75	0.11	0.03	0.17	0.28	16.49	16.77	-1.48	-0.30
Eco5_100	100	Low	5	564047	316942	0.78	0.11	0.03	0.16	0.27	17.99	18.26	0.77	0.11	0.03	0.18	0.29	16.49	16.78	-1.48	-0.30
Eco5_110	110	Low	5	564054	316949	0.79	0.11	0.03	0.16	0.27	17.99	18.26	0.78	0.11	0.04	0.18	0.30	16.49	16.79	-1.47	-0.29
Eco5_120	120	Low	5	564062	316955	0.81	0.12	0.03	0.16	0.27	17.99	18.26	0.80	0.12	0.04	0.19	0.31	16.49	16.79	-1.47	-0.29
Eco5_130	130	Low	5	564069	316962	0.83	0.12	0.03	0.16	0.28	17.99	18.27	0.83	0.12	0.04	0.20	0.32	16.49	16.80	-1.46	-0.29
Eco5_140	140	Low	5	564077	316968	0.86	0.12	0.03	0.16	0.28	17.99	18.27	0.85	0.12	0.04	0.20	0.33	16.49	16.81	-1.46	-0.29
Eco5_150	150	Low	5	564085	316975	0.89	0.13	0.04	0.21	0.34	17.99	18.33	0.88	0.13	0.04	0.21	0.34	16.49	16.83	-1.50	-0.30
Eco5_160	160	Low	5	564092	316981	0.92	0.13	0.04	0.21	0.34	17.99	18.33	0.91	0.13	0.04	0.22	0.35	16.49	16.84	-1.49	-0.30
Eco5_170	170	Low	5	564100	316988	0.96	0.14	0.04	0.21	0.35	17.99	18.34	0.94	0.14	0.04	0.23	0.37	16.49	16.85	-1.48	-0.30
Eco5_180	180	Low	5	564107	316994	0.99	0.14	0.04	0.21	0.35	17.99	18.34	0.98	0.14	0.05	0.24	0.38	16.49	16.87	-1.47	-0.29
Eco5_190	190	Low	5	564115	317001	1.03	0.15	0.04	0.21	0.36	17.97	18.33	1.02	0.15	0.05	0.26	0.40	16.47	16.87	-1.45	-0.29
Eco5_200	200	Low	5	564123	317007	1.08	0.16	0.05	0.26	0.42	17.97	18.39	1.07	0.15	0.05	0.27	0.42	16.47	16.89	-1.49	-0.30
Eco7_50	50	Low	5	563248	316355	1.47	0.21	0.06	0.31	0.52	17.74	18.26	1.46	0.21	0.07	0.38	0.59	16.26	16.85	-1.41	-0.28
Eco7_60	60	Low	5	563257	316357	1.39	0.20	0.06	0.31	0.51	17.74	18.25	1.38	0.20	0.07	0.36	0.56	16.26	16.82	-1.44	-0.29
Eco7_70	70	Low	5	563267	316359	1.32	0.19	0.06	0.31	0.50	17.74	18.24	1.32	0.19	0.07	0.34	0.53	16.26	16.79	-1.45	-0.29
Eco7_80	80	Low	5	563277	316361	1.27	0.18	0.05	0.26	0.44	17.74	18.18	1.26	0.18	0.06	0.32	0.50	16.26	16.76	-1.42	-0.28
Eco7_90	90	Low	5	563287	316363	1.21	0.17	0.05	0.26	0.43	17.74	18.17	1.20	0.17	0.06	0.31	0.48	16.26	16.74	-1.44	-0.29
Eco7_100	100	Low	5	563296	316365	1.17	0.17	0.05	0.26	0.43	17.74	18.17	1.16	0.17	0.06	0.29	0.46	16.26	16.72	-1.45	-0.29

Receptor	Distance from road edge (m)	Tall or Low	Lower CLd N-dep (kg/ha/yr)	X (m)	Y (m)	1. 2019 Base Road NO ₂ (µg/m ³)	1. 2019 Base Road N-Dep from NO ₂ (kg/ha/yr)	1. 2019 Base Road NH ₃ (µg/m ³)	1. 2019 Base Road N-Dep from NH ₃ (kg/ha/yr)	1. 2019 Base Total Road N-Dep (kg/ha/yr)	1. 2019 Base Background N-Dep (kg/ha/yr)	1. 2019 Base Total N-Dep (kg/ha/yr)	2. Projected Base Road NO ₂ (µg/m ³)	2. Projected Base Road N-Dep from NO ₂ (kg/ha/yr)	2. Projected Base Road NH ₃ (µg/m ³)	2. Projected Base Road N-Dep from NH ₃ (kg/ha/yr)	2. Projected Base Total Road N-Dep (kg/ha/yr)	2. Projected Base Background N-Dep (kg/ha/yr)	2. Projected Base Total N-Dep (kg/ha/yr)	2.-1. Change N-Dep (kg/ha/yr)	(2.-1.)/CLd.% Change Relative to Lower CLd
Eco7_110	110	Low	5	563306	316367	1.12	0.16	0.05	0.26	0.42	17.74	18.16	1.11	0.16	0.05	0.28	0.44	16.26	16.70	-1.46	-0.29
Eco7_120	120	Low	5	563316	316369	1.09	0.16	0.05	0.26	0.42	17.74	18.16	1.07	0.15	0.05	0.27	0.42	16.26	16.68	-1.48	-0.30
Eco6_82	82	Low	10	561603	318045	1.98	0.29	0.08	0.42	0.70	17.39	18.09	1.97	0.28	0.09	0.47	0.75	15.94	16.69	-1.40	-0.14
Eco6_90	90	Low	10	561599	318039	1.90	0.27	0.07	0.36	0.64	17.39	18.03	1.88	0.27	0.09	0.45	0.72	15.94	16.65	-1.37	-0.14
Eco6_100	100	Low	10	561595	318030	1.78	0.26	0.07	0.36	0.62	17.39	18.01	1.77	0.25	0.08	0.41	0.67	15.94	16.61	-1.40	-0.14
Eco6_110	110	Low	10	561590	318021	1.68	0.24	0.06	0.31	0.55	17.39	17.94	1.67	0.24	0.07	0.39	0.63	15.94	16.57	-1.38	-0.14
Eco6_120	120	Low	10	561585	318013	1.60	0.23	0.06	0.31	0.54	17.39	17.93	1.59	0.23	0.07	0.37	0.60	15.94	16.53	-1.40	-0.14
Eco6_130	130	Low	10	561581	318004	1.52	0.22	0.06	0.31	0.53	17.39	17.92	1.51	0.22	0.07	0.35	0.56	15.94	16.50	-1.42	-0.14
Eco6_140	140	Low	10	561576	317995	1.47	0.21	0.05	0.26	0.47	17.38	17.85	1.45	0.21	0.06	0.33	0.54	15.93	16.47	-1.39	-0.14
Eco6_150	150	Low	10	561571	317986	1.40	0.20	0.05	0.26	0.46	17.38	17.84	1.39	0.20	0.06	0.31	0.51	15.93	16.44	-1.40	-0.14
Eco6_160	160	Low	10	561566	317977	1.35	0.19	0.05	0.26	0.45	17.38	17.83	1.33	0.19	0.06	0.30	0.49	15.93	16.42	-1.42	-0.14
Eco6_170	170	Low	10	561562	317969	1.30	0.19	0.05	0.26	0.45	17.38	17.83	1.28	0.18	0.06	0.29	0.47	15.93	16.40	-1.43	-0.14
Eco6_180	180	Low	10	561557	317960	1.25	0.18	0.05	0.26	0.44	17.38	17.82	1.24	0.18	0.05	0.27	0.45	15.93	16.38	-1.44	-0.14
Eco6_190	190	Low	10	561552	317951	1.22	0.18	0.04	0.21	0.38	17.38	17.76	1.20	0.17	0.05	0.26	0.44	15.93	16.37	-1.40	-0.14
Eco6_196	196	Low	10	561549	317946	1.18	0.17	0.04	0.21	0.38	17.38	17.76	1.17	0.17	0.05	0.26	0.43	15.93	16.35	-1.40	-0.14
Eco8_200	200	Tall	5	565733	321571	1.25	0.36	0.04	0.33	0.69	31.18	31.87	1.24	0.36	0.05	0.38	0.74	28.58	29.31	-2.56	-0.51
Eco8_120	120	Tall	5	565804	321534	1.87	0.54	0.07	0.54	1.08	31.18	32.26	1.85	0.53	0.08	0.62	1.16	28.58	29.73	-2.53	-0.51
Eco8_90	90	Tall	5	565831	321520	2.31	0.67	0.09	0.70	1.37	31.18	32.55	2.29	0.66	0.10	0.81	1.47	28.58	30.05	-2.50	-0.50
Eco8_100	100	Tall	5	565822	321524	2.14	0.62	0.08	0.64	1.26	31.18	32.44	2.12	0.61	0.09	0.74	1.35	28.58	29.93	-2.51	-0.50
Eco8_70	70	Tall	5	565848	321510	2.77	0.80	0.11	0.88	1.68	31.18	32.86	2.74	0.79	0.13	1.01	1.80	28.58	30.38	-2.48	-0.50
Eco8_80	80	Tall	5	565839	321515	2.52	0.73	0.10	0.78	1.50	31.18	32.68	2.49	0.72	0.12	0.90	1.62	28.58	30.20	-2.49	-0.50
Eco8_190	190	Tall	5	565742	321566	1.30	0.37	0.04	0.35	0.72	31.18	31.90	1.29	0.37	0.05	0.40	0.77	28.58	29.35	-2.55	-0.51
Eco8_170	170	Tall	5	565760	321557	1.42	0.41	0.05	0.39	0.80	31.18	31.98	1.41	0.41	0.06	0.45	0.85	28.58	29.43	-2.55	-0.51
Eco8_180	180	Tall	5	565751	321562	1.37	0.39	0.05	0.37	0.76	31.18	31.94	1.35	0.39	0.05	0.42	0.81	28.58	29.39	-2.55	-0.51
Eco8_150	150	Tall	5	565777	321548	1.58	0.46	0.06	0.44	0.89	31.18	32.07	1.56	0.45	0.06	0.50	0.95	28.58	29.53	-2.54	-0.51
Eco8_160	160	Tall	5	565769	321552	1.50	0.43	0.05	0.41	0.84	31.18	32.02	1.48	0.43	0.06	0.47	0.90	28.58	29.48	-2.55	-0.51
Eco8_50	50	Tall	5	565866	321501	3.50	1.01	0.15	1.17	2.18	31.18	33.36	3.46	1.00	0.17	1.35	2.35	28.58	30.93	-2.43	-0.49
Eco8_60	60	Tall	5	565857	321506	3.08	0.89	0.13	1.01	1.89	31.18	33.07	3.05	0.88	0.15	1.16	2.04	28.58	30.61	-2.46	-0.49
Eco8_30	30	Tall	5	565884	321492	4.99	1.44	0.23	1.80	3.24	31.18	34.42	4.94	1.42	0.27	2.08	3.50	28.58	32.08	-2.34	-0.47
Eco8_40	40	Tall	5	565875	321496	4.08	1.18	0.18	1.41	2.59	31.18	33.77	4.04	1.16	0.21	1.63	2.79	28.58	31.37	-2.39	-0.48
Eco8_10	10	Tall	5	565901	321482	10.70	3.08	0.57	4.45	7.53	31.18	38.71	10.58	3.05	0.66	5.14	8.19	28.58	36.77	-1.94	-0.39
Eco8_20	20	Tall	5	565893	321487	6.65	1.92	0.33	2.53	4.45	31.18	35.63	6.58	1.90	0.38	2.93	4.83	28.58	33.40	-2.23	-0.45
Eco8_130	130	Tall	5	565795	321538	1.75	0.50	0.06	0.50	1.00	31.18	32.18	1.74	0.50	0.07	0.58	1.08	28.58	29.66	-2.53	-0.51
Eco8_140	140	Tall	5	565786	321543	1.65	0.48	0.06	0.47	0.94	31.18	32.12	1.64	0.47	0.07	0.54	1.01	28.58	29.59	-2.53	-0.51
Eco8_110	110	Tall	5	565813	321529	2.00	0.58	0.08	0.59	1.16	31.18	32.34	1.98	0.57	0.09	0.68	1.25	28.58	29.82	-2.52	-0.50
Eco12_180	180	Tall	5	566019	322038	1.37	0.39	0.05	0.37	0.77	31.33	32.10	1.36	0.39	0.06	0.43	0.82	28.71	29.54	-2.56	-0.51
Eco11_172	172	Tall	5	565989	321968	1.42	0.41	0.05	0.39	0.80	31.18	31.98	1.41	0.41	0.06	0.45	0.86	28.58	29.43	-2.55	-0.51

Receptor	Distance from road edge (m)	Tall or Low	Lower CLd N-dep (kg/ha/yr)	X (m)	Y (m)	1. 2019 Base Road NO ₂ (µg/m ³)	1. 2019 Base Road N-Dep from NO ₂ (kg/ha/yr)	1. 2019 Base Road NH ₃ (µg/m ³)	1. 2019 Base Road N-Dep from NH ₃ (kg/ha/yr)	1. 2019 Base Total Road N-Dep (kg/ha/yr)	1. 2019 Base Background N-Dep (kg/ha/yr)	1. 2019 Base Total N-Dep (kg/ha/yr)	2. Projected Base Road NO ₂ (µg/m ³)	2. Projected Base Road N-Dep from NO ₂ (kg/ha/yr)	2. Projected Base Road NH ₃ (µg/m ³)	2. Projected Base Road N-Dep from NH ₃ (kg/ha/yr)	2. Projected Base Total Road N-Dep (kg/ha/yr)	2. Projected Base Background N-Dep (kg/ha/yr)	2. Projected Base Total N-Dep (kg/ha/yr)	2.-1. Change N-Dep (kg/ha/yr)	(2.-1.)/CLd.% Change Relative to Lower CLd
Eco10_162	162	Tall	5	565959	321898	1.49	0.43	0.05	0.41	0.84	31.18	32.02	1.47	0.42	0.06	0.48	0.90	28.58	29.47	-2.55	-0.51
Eco9_120	120	Tall	5	565779	321488	1.85	0.53	0.07	0.54	1.07	31.18	32.25	1.84	0.53	0.08	0.62	1.15	28.58	29.72	-2.52	-0.50

Table 1-10 Model Predicted N-Dep, 2027 DM and 2027 DS

Receptor	Distance from road centreline (m)	Tall or Low	Lower CLd N-dep (kg/ha/yr)	X (m)	Y (m)	3. DM Road NO ₂ (µg/m ³)	3. DM Road N-Dep from NO ₂ (kg/ha/yr)	3. DM Road NH ₃ (µg/m ³)	3. DM Road N-Dep from NH ₃ (kg/ha/yr)	3. DM Total Road N-Dep (kg/ha/yr)	3. DM Background N-Dep (kg/ha/yr)	3. DM Total N-Dep (kg/ha/yr)	4. DS Road NO ₂ (µg/m ³)	4. DS Road N-Dep from NO ₂ (kg/ha/yr)	4. DS Road NH ₃ (µg/m ³)	4. DS Road N-Dep from NH ₃ (kg/ha/yr)	4. DS Total Road N-Dep (kg/ha/yr)	4. DS Background N-Dep (kg/ha/yr)	4. DS Total N-Dep (kg/ha/yr)	4.-1. Change N-Dep (kg/ha/yr)	(4.-1.)CLd % Change Relative to Lower CLd	4.-2. Change N-Dep (kg/ha/yr)	(4.-2.)CLd % Change Relative to Lower CLd	4.-3. Change N-Dep (kg/ha/yr)	(4.-3.)CLd % Change Relative to Lower CLd
Eco1_6	6	Low	5	563071	316536	5.53	0.80	0.89	4.62	5.42	16.26	21.68	1.95	0.28	0.30	1.56	1.84	16.26	18.10	-5.82	-1.16	-4.93	-0.99	-3.58	-0.72
Eco1_10	10	Low	5	563067	316536	3.96	0.57	0.62	3.22	3.79	16.26	20.05	1.36	0.20	0.20	1.04	1.23	16.26	17.49	-4.62	-0.92	-3.52	-0.70	-2.56	-0.51
Eco1_20	20	Low	5	563057	316535	2.45	0.35	0.36	1.87	2.22	16.26	18.48	0.81	0.12	0.11	0.57	0.69	16.26	16.95	-3.37	-0.67	-2.14	-0.43	-1.53	-0.31
Eco1_30	30	Low	5	563047	316534	1.83	0.26	0.26	1.35	1.61	16.26	17.87	0.60	0.09	0.08	0.42	0.50	16.26	16.76	-2.86	-0.57	-1.56	-0.31	-1.11	-0.22
Eco1_40	40	Low	5	563037	316534	1.49	0.21	0.20	1.04	1.25	16.26	17.51	0.49	0.07	0.06	0.31	0.38	16.26	16.64	-2.59	-0.52	-1.27	-0.25	-0.87	-0.17
Eco1_50	50	Low	5	563027	316533	1.26	0.18	0.17	0.88	1.06	16.26	17.32	0.42	0.06	0.05	0.26	0.32	16.26	16.58	-2.42	-0.48	-1.06	-0.21	-0.74	-0.15
Eco1_60	60	Low	5	563017	316533	1.10	0.16	0.14	0.73	0.89	16.26	17.14	0.38	0.05	0.04	0.21	0.26	16.26	16.52	-2.31	-0.46	-0.92	-0.18	-0.62	-0.12
Eco1_70	70	Low	5	563007	316532	0.98	0.14	0.13	0.68	0.82	16.26	17.08	0.35	0.05	0.04	0.21	0.26	16.26	16.52	-2.16	-0.43	-0.78	-0.16	-0.56	-0.11
Eco1_80	80	Low	5	562997	316531	0.88	0.13	0.11	0.57	0.70	16.03	16.73	0.32	0.05	0.04	0.21	0.25	16.03	16.28	-2.06	-0.41	-0.67	-0.13	-0.44	-0.09
Eco1_90	90	Low	5	562987	316531	0.79	0.11	0.10	0.52	0.63	16.03	16.66	0.30	0.04	0.03	0.16	0.20	16.03	16.23	-2.03	-0.41	-0.64	-0.13	-0.43	-0.09
Eco1_100	100	Low	5	562977	316530	0.72	0.10	0.09	0.47	0.57	16.03	16.60	0.28	0.04	0.03	0.16	0.20	16.03	16.23	-1.96	-0.39	-0.56	-0.11	-0.38	-0.08
Eco1_110	110	Low	5	562967	316529	0.67	0.10	0.08	0.42	0.51	16.03	16.54	0.27	0.04	0.03	0.16	0.19	16.03	16.22	-1.88	-0.38	-0.50	-0.10	-0.32	-0.06
Eco1_120	120	Low	5	562957	316529	0.62	0.09	0.07	0.36	0.45	16.03	16.48	0.26	0.04	0.03	0.16	0.19	16.03	16.22	-1.87	-0.37	-0.45	-0.09	-0.26	-0.05
Eco1_130	130	Low	5	562947	316528	0.58	0.08	0.07	0.36	0.45	16.03	16.48	0.25	0.04	0.03	0.16	0.19	16.03	16.22	-1.80	-0.36	-0.40	-0.08	-0.26	-0.05
Eco1_140	140	Low	5	562937	316528	0.55	0.08	0.06	0.31	0.39	16.03	16.42	0.23	0.03	0.02	0.10	0.14	16.03	16.17	-1.84	-0.37	-0.41	-0.08	-0.25	-0.05
Eco1_150	150	Low	5	562927	316527	0.51	0.07	0.06	0.31	0.39	16.03	16.41	0.23	0.03	0.02	0.10	0.14	16.03	16.17	-1.78	-0.36	-0.38	-0.08	-0.25	-0.05
Eco1_160	160	Low	5	562917	316526	0.48	0.07	0.06	0.31	0.38	16.03	16.41	0.22	0.03	0.02	0.10	0.14	16.03	16.17	-1.77	-0.35	-0.35	-0.07	-0.25	-0.05
Eco1_170	170	Low	5	562907	316526	0.46	0.07	0.05	0.26	0.33	16.03	16.36	0.21	0.03	0.02	0.10	0.13	16.03	16.16	-1.76	-0.35	-0.32	-0.06	-0.19	-0.04
Eco1_180	180	Low	5	562897	316525	0.44	0.06	0.05	0.26	0.32	16.03	16.35	0.21	0.03	0.02	0.10	0.13	16.03	16.16	-1.70	-0.34	-0.29	-0.06	-0.19	-0.04
Eco1_190	190	Low	5	562887	316524	0.41	0.06	0.05	0.26	0.32	16.03	16.35	0.20	0.03	0.02	0.10	0.13	16.03	16.16	-1.69	-0.34	-0.27	-0.05	-0.19	-0.04
Eco1_200	200	Low	5	562877	316524	0.39	0.06	0.04	0.21	0.26	16.03	16.29	0.20	0.03	0.02	0.10	0.13	16.03	16.16	-1.69	-0.34	-0.25	-0.05	-0.13	-0.03
Eco2_177	177	Low	5	562685	315310	0.17	0.02	0.02	0.10	0.13	16.05	16.18	0.15	0.02	0.01	0.05	0.07	16.05	16.12	-1.50	-0.30	-0.07	-0.01	-0.05	-0.01
Eco2_180	180	Low	5	562682	315310	0.16	0.02	0.02	0.10	0.13	16.05	16.17	0.15	0.02	0.01	0.05	0.07	16.05	16.12	-1.50	-0.30	-0.07	-0.01	-0.05	-0.01
Eco2_190	190	Low	5	562672	315310	0.16	0.02	0.01	0.05	0.07	16.05	16.12	0.13	0.02	0.01	0.05	0.07	16.05	16.12	-1.50	-0.30	-0.07	-0.01	0.00	0.00
Eco2_200	200	Low	5	562662	315311	0.15	0.02	0.01	0.05	0.07	16.05	16.12	0.13	0.02	0.01	0.05	0.07	16.05	16.12	-1.50	-0.30	-0.06	-0.01	0.00	0.00
Eco3_200	200	Low	5	563320	314141	0.29	0.04	0.04	0.21	0.25	16.30	16.54	0.29	0.04	0.03	0.16	0.20	16.30	16.49	-1.55	-0.31	-0.10	-0.02	-0.05	-0.01
Eco3_185	185	Low	5	563334	314144	0.31	0.04	0.04	0.21	0.25	16.30	16.55	0.31	0.04	0.04	0.21	0.25	16.30	16.55	-1.56	-0.31	-0.07	-0.01	0.00	0.00
Eco3_190	190	Low	5	563330	314143	0.30	0.04	0.04	0.21	0.25	16.30	16.55	0.31	0.04	0.04	0.21	0.25	16.30	16.55	-1.50	-0.30	-0.07	-0.01	0.00	0.00
Eco4_10.3	10.3	Low	5	564212	317122	2.64	0.38	0.43	2.23	2.61	16.47	19.08	3.37	0.49	0.53	2.75	3.24	16.47	19.71	-1.19	-0.24	0.00	0.00	0.62	0.12
Eco4_20	20	Low	5	564204	317116	1.70	0.24	0.26	1.35	1.60	16.47	18.06	2.05	0.30	0.30	1.56	1.85	16.47	18.32	-1.46	-0.29	-0.15	-0.03	0.26	0.05
Eco4_30	30	Low	5	564196	317109	1.29	0.19	0.19	0.99	1.17	16.47	17.64	1.52	0.22	0.21	1.09	1.31	16.47	17.78	-1.55	-0.31	-0.18	-0.04	0.14	0.03
Eco4_40	40	Low	5	564189	317103	1.07	0.15	0.15	0.78	0.93	16.47	17.40	1.25	0.18	0.17	0.88	1.06	16.47	17.53	-1.56	-0.31	-0.14	-0.03	0.13	0.03
Eco4_50	50	Low	5	564181	317097	0.92	0.13	0.13	0.68	0.81	16.47	17.28	1.08	0.16	0.14	0.73	0.88	16.47	17.35	-1.53	-0.31	-0.14	-0.03	0.07	0.01
Eco4_60	60	Low	5	564173	317090	0.81	0.12	0.11	0.57	0.69	16.47	17.16	0.97	0.14	0.12	0.62	0.76	16.47	17.23	-1.56	-0.31	-0.13	-0.03	0.07	0.01
Eco4_70	70	Low	5	564165	317084	0.74	0.11	0.10	0.52	0.63	16.47	17.10	0.89	0.13	0.11	0.57	0.70	16.47	17.17	-1.54	-0.31	-0.09	-0.02	0.07	0.01
Eco4_80	80	Low	5	564158	317078	0.67	0.10	0.09	0.47	0.56	16.47	17.03	0.84	0.12	0.10	0.52	0.64	16.47	17.11	-1.52	-0.30	-0.07	-0.01	0.08	0.02

Receptor	Distance from road centreline (m)	Tall or Low	Lower CLd N-dep (kg/ha/yr)	X (m)	Y (m)	3. DM Road NO ₂ (µg/m ³)	3. DM Road N-Dep from NO ₂ (kg/ha/yr)	3. DM Road NH ₃ (µg/m ³)	3. DM Road N-Dep from NH ₃ (kg/ha/yr)	3. DM Total Road N-Dep (kg/ha/yr)	3. DM Background N-Dep (kg/ha/yr)	3. DM Total N-Dep (kg/ha/yr)	4. DS Road NO ₂ (µg/m ³)	4. DS Road N-Dep from NO ₂ (kg/ha/yr)	4. DS Road NH ₃ (µg/m ³)	4. DS Road N-Dep from NH ₃ (kg/ha/yr)	4. DS Total Road N-Dep (kg/ha/yr)	4. DS Background N-Dep (kg/ha/yr)	4. DS Total N-Dep (kg/ha/yr)	4.-1. Change N-Dep (kg/ha/yr)	(4.-1.)/CLd % Change Relative to Lower CLd	4.-2. Change N-Dep (kg/ha/yr)	(4.-2.)/CLd % Change Relative to Lower CLd	4.-3. Change N-Dep (kg/ha/yr)	(4.-3.)/CLd % Change Relative to Lower CLd
Eco4_90	90	Low	5	564150	317071	0.61	0.09	0.08	0.42	0.50	16.47	16.97	0.80	0.12	0.10	0.52	0.63	16.47	17.10	-1.46	-0.29	-0.01	0.00	0.13	0.03
Eco4_100	100	Low	5	564142	317065	0.57	0.08	0.07	0.36	0.45	16.47	16.92	0.77	0.11	0.09	0.47	0.58	16.47	17.05	-1.44	-0.29	-0.02	0.00	0.13	0.03
Eco4_110	110	Low	5	564134	317059	0.52	0.07	0.07	0.36	0.44	16.47	16.91	0.76	0.11	0.09	0.47	0.58	16.47	17.05	-1.43	-0.29	0.03	0.01	0.14	0.03
Eco4_120	120	Low	5	564127	317052	0.50	0.07	0.06	0.31	0.38	16.47	16.85	0.74	0.11	0.09	0.47	0.57	16.47	17.04	-1.42	-0.28	0.06	0.01	0.19	0.04
Eco4_130	130	Low	5	564119	317046	0.47	0.07	0.06	0.31	0.38	16.47	16.85	0.74	0.11	0.09	0.47	0.57	16.47	17.04	-1.36	-0.27	0.09	0.02	0.19	0.04
Eco4_140	140	Low	5	564111	317040	0.45	0.06	0.05	0.26	0.32	16.47	16.79	0.74	0.11	0.09	0.47	0.57	16.47	17.04	-1.35	-0.27	0.12	0.02	0.25	0.05
Eco4_150	150	Low	5	564104	317033	0.42	0.06	0.05	0.26	0.32	16.47	16.79	0.74	0.11	0.09	0.47	0.57	16.47	17.04	-1.34	-0.27	0.15	0.03	0.25	0.05
Eco4_160	160	Low	5	564096	317027	0.40	0.06	0.05	0.26	0.32	16.47	16.79	0.75	0.11	0.09	0.47	0.58	16.47	17.04	-1.28	-0.26	0.17	0.03	0.26	0.05
Eco4_170	170	Low	5	564088	317021	0.39	0.06	0.04	0.21	0.26	16.47	16.73	0.77	0.11	0.09	0.47	0.58	16.47	17.05	-1.27	-0.25	0.19	0.04	0.31	0.06
Eco4_180	180	Low	5	564080	317015	0.37	0.05	0.04	0.21	0.26	16.47	16.73	0.78	0.11	0.10	0.52	0.63	16.47	17.10	-1.22	-0.24	0.26	0.05	0.37	0.07
Eco4_190	190	Low	5	564073	317008	0.36	0.05	0.04	0.21	0.26	16.47	16.73	0.81	0.12	0.10	0.52	0.64	16.47	17.11	-1.21	-0.24	0.28	0.06	0.38	0.08
Eco4_200	200	Low	5	564065	317002	0.35	0.05	0.04	0.21	0.26	16.47	16.73	0.85	0.12	0.10	0.52	0.64	16.47	17.11	-1.20	-0.24	0.30	0.06	0.38	0.08
Eco5_43	43	Low	5	564004	316906	0.27	0.04	0.03	0.16	0.19	16.49	16.68	1.82	0.26	0.25	1.30	1.56	16.49	18.05	-0.20	-0.04	1.30	0.26	1.37	0.27
Eco5_50	50	Low	5	564009	316910	0.27	0.04	0.03	0.16	0.19	16.49	16.68	1.62	0.23	0.22	1.14	1.38	16.49	17.86	-0.38	-0.08	1.12	0.22	1.18	0.24
Eco5_60	60	Low	5	564016	316916	0.28	0.04	0.03	0.16	0.20	16.49	16.68	1.40	0.20	0.19	0.99	1.19	16.49	17.68	-0.57	-0.11	0.92	0.18	0.99	0.20
Eco5_70	70	Low	5	564024	316923	0.28	0.04	0.03	0.16	0.20	16.49	16.68	1.23	0.18	0.16	0.83	1.01	16.49	17.50	-0.75	-0.15	0.74	0.15	0.81	0.16
Eco5_80	80	Low	5	564031	316929	0.29	0.04	0.03	0.16	0.20	16.49	16.69	1.11	0.16	0.14	0.73	0.89	16.49	17.37	-0.88	-0.18	0.61	0.12	0.69	0.14
Eco5_90	90	Low	5	564039	316936	0.29	0.04	0.03	0.16	0.20	16.49	16.69	1.02	0.15	0.13	0.68	0.82	16.49	17.31	-0.94	-0.19	0.54	0.11	0.62	0.12
Eco5_100	100	Low	5	564047	316942	0.30	0.04	0.03	0.16	0.20	16.49	16.69	0.95	0.14	0.12	0.62	0.76	16.49	17.25	-1.01	-0.20	0.47	0.09	0.56	0.11
Eco5_110	110	Low	5	564054	316949	0.30	0.04	0.03	0.16	0.20	16.49	16.69	0.89	0.13	0.11	0.57	0.70	16.49	17.19	-1.07	-0.21	0.40	0.08	0.50	0.10
Eco5_120	120	Low	5	564062	316955	0.31	0.04	0.03	0.16	0.20	16.49	16.69	0.84	0.12	0.10	0.52	0.64	16.49	17.13	-1.13	-0.23	0.33	0.07	0.44	0.09
Eco5_130	130	Low	5	564069	316962	0.32	0.05	0.04	0.21	0.25	16.49	16.74	0.80	0.12	0.10	0.52	0.63	16.49	17.12	-1.14	-0.23	0.32	0.06	0.38	0.08
Eco5_140	140	Low	5	564077	316968	0.33	0.05	0.04	0.21	0.26	16.49	16.74	0.77	0.11	0.09	0.47	0.58	16.49	17.07	-1.20	-0.24	0.25	0.05	0.32	0.06
Eco5_150	150	Low	5	564085	316975	0.35	0.05	0.04	0.21	0.26	16.49	16.75	0.75	0.11	0.09	0.47	0.58	16.49	17.06	-1.26	-0.25	0.24	0.05	0.32	0.06
Eco5_160	160	Low	5	564092	316981	0.36	0.05	0.04	0.21	0.26	16.49	16.75	0.72	0.10	0.09	0.47	0.57	16.49	17.06	-1.27	-0.25	0.22	0.04	0.31	0.06
Eco5_170	170	Low	5	564100	316988	0.37	0.05	0.04	0.21	0.26	16.49	16.75	0.71	0.10	0.09	0.47	0.57	16.49	17.06	-1.28	-0.26	0.20	0.04	0.31	0.06
Eco5_180	180	Low	5	564107	316994	0.38	0.05	0.04	0.21	0.26	16.49	16.75	0.69	0.10	0.08	0.42	0.51	16.49	17.00	-1.34	-0.27	0.13	0.03	0.25	0.05
Eco5_190	190	Low	5	564115	317001	0.40	0.06	0.05	0.26	0.32	16.47	16.79	0.69	0.10	0.08	0.42	0.51	16.47	16.98	-1.34	-0.27	0.11	0.02	0.20	0.04
Eco5_200	200	Low	5	564123	317007	0.41	0.06	0.05	0.26	0.32	16.47	16.79	0.69	0.10	0.08	0.42	0.51	16.47	16.98	-1.40	-0.28	0.09	0.02	0.20	0.04
Eco7_50	50	Low	5	563248	316355	0.56	0.08	0.07	0.36	0.44	16.26	16.70	0.29	0.04	0.03	0.16	0.20	16.26	16.46	-1.81	-0.36	-0.39	-0.08	-0.25	-0.05
Eco7_60	60	Low	5	563257	316357	0.54	0.08	0.07	0.36	0.44	16.26	16.70	0.28	0.04	0.03	0.16	0.20	16.26	16.45	-1.80	-0.36	-0.36	-0.07	-0.25	-0.05
Eco7_70	70	Low	5	563267	316359	0.50	0.07	0.06	0.31	0.38	16.26	16.64	0.28	0.04	0.03	0.16	0.20	16.26	16.45	-1.79	-0.36	-0.33	-0.07	-0.19	-0.04
Eco7_80	80	Low	5	563277	316361	0.48	0.07	0.06	0.31	0.38	16.26	16.64	0.27	0.04	0.03	0.16	0.19	16.26	16.45	-1.73	-0.35	-0.31	-0.06	-0.19	-0.04
Eco7_90	90	Low	5	563287	316363	0.46	0.07	0.06	0.31	0.38	16.26	16.64	0.27	0.04	0.03	0.16	0.19	16.26	16.45	-1.72	-0.34	-0.28	-0.06	-0.18	-0.04
Eco7_100	100	Low	5	563296	316365	0.45	0.06	0.05	0.26	0.32	16.26	16.58	0.27	0.04	0.03	0.16	0.19	16.26	16.45	-1.71	-0.34	-0.26	-0.05	-0.13	-0.03
Eco7_110	110	Low	5	563306	316367	0.42	0.06	0.05	0.26	0.32	16.26	16.58	0.26	0.04	0.03	0.16	0.19	16.26	16.45	-1.71	-0.34	-0.25	-0.05	-0.13	-0.03
Eco7_120	120	Low	5	563316	316369	0.41	0.06	0.05	0.26	0.32	16.26	16.58	0.26	0.04	0.03	0.16	0.19	16.26	16.45	-1.70	-0.34	-0.23	-0.05	-0.13	-0.03
Eco6_82	82	Low	10	561603	318045	0.77	0.11	0.09	0.47	0.58	15.94	16.52	0.74	0.11	0.08	0.42	0.52	15.94	16.46	-1.63	-0.16	-0.23	-0.02	-0.06	-0.01

Receptor	Distance from road centreline (m)	Tall or Low	Lower CLd N-dep (kg/ha/yr)	X (m)	Y (m)	3. DM Road NO ₂ (µg/m ³)	3. DM Road N-Dep from NO ₂ (kg/ha/yr)	3. DM Road NH ₃ (µg/m ³)	3. DM Road N-Dep from NH ₃ (kg/ha/yr)	3. DM Total Road N-Dep (kg/ha/yr)	3. DM Background N-Dep (kg/ha/yr)	3. DM Total N-Dep (kg/ha/yr)	4. DS Road NO ₂ (µg/m ³)	4. DS Road N-Dep from NO ₂ (kg/ha/yr)	4. DS Road NH ₃ (µg/m ³)	4. DS Road N-Dep from NH ₃ (kg/ha/yr)	4. DS Total Road N-Dep (kg/ha/yr)	4. DS Background N-Dep (kg/ha/yr)	4. DS Total N-Dep (kg/ha/yr)	4.-1. Change N-Dep (kg/ha/yr)	(4.-1.)/CLd % Change Relative to Lower CLd	4.-2. Change N-Dep (kg/ha/yr)	(4.-2.)/CLd % Change Relative to Lower CLd	4.-3. Change N-Dep (kg/ha/yr)	(4.-3.)/CLd % Change Relative to Lower CLd
Eco6_90	90	Low	10	561599	318039	0.74	0.11	0.08	0.42	0.52	15.94	16.46	0.70	0.10	0.08	0.42	0.52	15.94	16.45	-1.57	-0.16	-0.20	-0.02	-0.01	0.00
Eco6_100	100	Low	10	561595	318030	0.69	0.10	0.08	0.42	0.51	15.94	16.45	0.66	0.10	0.07	0.36	0.46	15.94	16.40	-1.61	-0.16	-0.21	-0.02	-0.06	-0.01
Eco6_110	110	Low	10	561590	318021	0.65	0.09	0.07	0.36	0.46	15.94	16.40	0.62	0.09	0.07	0.36	0.45	15.94	16.39	-1.55	-0.16	-0.18	-0.02	0.00	0.00
Eco6_120	120	Low	10	561585	318013	0.62	0.09	0.07	0.36	0.45	15.94	16.39	0.58	0.08	0.06	0.31	0.40	15.94	16.33	-1.60	-0.16	-0.20	-0.02	-0.06	-0.01
Eco6_130	130	Low	10	561581	318004	0.59	0.08	0.06	0.31	0.40	15.94	16.33	0.56	0.08	0.06	0.31	0.39	15.94	16.33	-1.59	-0.16	-0.17	-0.02	0.00	0.00
Eco6_140	140	Low	10	561576	317995	0.56	0.08	0.06	0.31	0.39	15.93	16.32	0.53	0.08	0.06	0.31	0.39	15.93	16.32	-1.53	-0.15	-0.15	-0.01	0.00	0.00
Eco6_150	150	Low	10	561571	317986	0.54	0.08	0.06	0.31	0.39	15.93	16.32	0.51	0.07	0.05	0.26	0.33	15.93	16.26	-1.58	-0.16	-0.18	-0.02	-0.06	-0.01
Eco6_160	160	Low	10	561566	317977	0.52	0.07	0.06	0.31	0.39	15.93	16.32	0.49	0.07	0.05	0.26	0.33	15.93	16.26	-1.58	-0.16	-0.16	-0.02	-0.06	-0.01
Eco6_170	170	Low	10	561562	317969	0.50	0.07	0.05	0.26	0.33	15.93	16.26	0.46	0.07	0.05	0.26	0.33	15.93	16.25	-1.57	-0.16	-0.14	-0.01	-0.01	0.00
Eco6_180	180	Low	10	561557	317960	0.49	0.07	0.05	0.26	0.33	15.93	16.26	0.45	0.06	0.05	0.26	0.32	15.93	16.25	-1.57	-0.16	-0.13	-0.01	-0.01	0.00
Eco6_190	190	Low	10	561552	317951	0.46	0.07	0.05	0.26	0.33	15.93	16.25	0.43	0.06	0.04	0.21	0.27	15.93	16.20	-1.57	-0.16	-0.17	-0.02	-0.06	-0.01
Eco6_196	196	Low	10	561549	317946	0.45	0.06	0.05	0.26	0.32	15.93	16.25	0.42	0.06	0.04	0.21	0.27	15.93	16.20	-1.56	-0.16	-0.16	-0.02	-0.06	-0.01
Eco8_200	200	Tall	5	565733	321571	0.49	0.14	0.05	0.37	0.51	28.58	29.09	0.50	0.14	0.05	0.37	0.52	28.58	29.10	-2.77	-0.55	-0.22	-0.04	0.01	0.00
Eco8_120	120	Tall	5	565804	321534	0.74	0.21	0.08	0.61	0.83	28.58	29.40	0.76	0.22	0.08	0.62	0.84	28.58	29.42	-2.84	-0.57	-0.31	-0.06	0.02	0.00
Eco8_90	90	Tall	5	565831	321520	0.93	0.27	0.10	0.80	1.07	28.58	29.65	0.92	0.26	0.10	0.80	1.07	28.58	29.64	-2.90	-0.58	-0.41	-0.08	0.00	0.00
Eco8_100	100	Tall	5	565822	321524	0.86	0.25	0.09	0.73	0.98	28.58	29.55	0.86	0.25	0.09	0.74	0.98	28.58	29.56	-2.88	-0.58	-0.37	-0.07	0.01	0.00
Eco8_70	70	Tall	5	565848	321510	1.12	0.32	0.13	1.01	1.33	28.58	29.90	1.10	0.32	0.13	0.98	1.30	28.58	29.87	-2.98	-0.60	-0.51	-0.10	-0.03	-0.01
Eco8_80	80	Tall	5	565839	321515	1.01	0.29	0.12	0.90	1.19	28.58	29.76	1.00	0.29	0.11	0.89	1.18	28.58	29.75	-2.93	-0.59	-0.44	-0.09	-0.01	0.00
Eco8_190	190	Tall	5	565742	321566	0.51	0.15	0.05	0.39	0.53	28.58	29.11	0.52	0.15	0.05	0.40	0.54	28.58	29.12	-2.78	-0.56	-0.23	-0.05	0.01	0.00
Eco8_170	170	Tall	5	565760	321557	0.56	0.16	0.06	0.43	0.60	28.58	29.17	0.57	0.16	0.06	0.44	0.61	28.58	29.18	-2.79	-0.56	-0.24	-0.05	0.01	0.00
Eco8_180	180	Tall	5	565751	321562	0.53	0.15	0.05	0.41	0.56	28.58	29.14	0.55	0.16	0.05	0.42	0.58	28.58	29.15	-2.79	-0.56	-0.23	-0.05	0.01	0.00
Eco8_150	150	Tall	5	565777	321548	0.62	0.18	0.06	0.49	0.67	28.58	29.25	0.63	0.18	0.06	0.50	0.69	28.58	29.26	-2.81	-0.56	-0.27	-0.05	0.01	0.00
Eco8_160	160	Tall	5	565769	321552	0.59	0.17	0.06	0.46	0.63	28.58	29.21	0.60	0.17	0.06	0.47	0.64	28.58	29.22	-2.80	-0.56	-0.25	-0.05	0.01	0.00
Eco8_50	50	Tall	5	565866	321501	1.42	0.41	0.17	1.35	1.76	28.58	30.33	1.34	0.39	0.16	1.27	1.66	28.58	30.23	-3.12	-0.62	-0.69	-0.14	-0.10	-0.02
Eco8_60	60	Tall	5	565857	321506	1.24	0.36	0.15	1.15	1.51	28.58	30.09	1.20	0.35	0.14	1.11	1.45	28.58	30.03	-3.04	-0.61	-0.58	-0.12	-0.06	-0.01
Eco8_30	30	Tall	5	565884	321492	2.05	0.59	0.27	2.07	2.66	28.58	31.24	1.82	0.52	0.24	1.83	2.36	28.58	30.93	-3.49	-0.70	-1.15	-0.23	-0.31	-0.06
Eco8_40	40	Tall	5	565875	321496	1.66	0.48	0.21	1.63	2.11	28.58	30.68	1.53	0.44	0.19	1.49	1.93	28.58	30.51	-3.26	-0.65	-0.87	-0.17	-0.18	-0.04
Eco8_10	10	Tall	5	565901	321482	4.46	1.28	0.66	5.15	6.43	28.58	35.01	3.58	1.03	0.53	4.09	5.12	28.58	33.70	-5.01	-1.00	-3.07	-0.61	-1.31	-0.26
Eco8_20	20	Tall	5	565893	321487	2.73	0.79	0.38	2.93	3.72	28.58	32.29	2.33	0.67	0.32	2.46	3.13	28.58	31.71	-3.92	-0.78	-1.69	-0.34	-0.58	-0.12
Eco8_130	130	Tall	5	565795	321538	0.70	0.20	0.07	0.57	0.77	28.58	29.35	0.71	0.20	0.07	0.58	0.78	28.58	29.36	-2.83	-0.57	-0.30	-0.06	0.01	0.00
Eco8_140	140	Tall	5	565786	321543	0.66	0.19	0.07	0.53	0.72	28.58	29.29	0.67	0.19	0.07	0.54	0.73	28.58	29.31	-2.81	-0.56	-0.28	-0.06	0.01	0.00
Eco8_110	110	Tall	5	565813	321529	0.80	0.23	0.09	0.67	0.90	28.58	29.47	0.80	0.23	0.09	0.68	0.91	28.58	29.48	-2.86	-0.57	-0.34	-0.07	0.01	0.00
Eco12_180	180	Tall	5	566019	322038	0.54	0.16	0.05	0.42	0.58	28.71	29.29	0.56	0.16	0.06	0.43	0.59	28.71	29.31	-2.79	-0.56	-0.23	-0.05	0.01	0.00
Eco11_172	172	Tall	5	565989	321968	0.57	0.16	0.06	0.44	0.61	28.58	29.18	0.58	0.17	0.06	0.45	0.62	28.58	29.19	-2.79	-0.56	-0.24	-0.05	0.01	0.00
Eco10_162	162	Tall	5	565959	321898	0.59	0.17	0.06	0.47	0.64	28.58	29.21	0.60	0.17	0.06	0.48	0.65	28.58	29.22	-2.80	-0.56	-0.25	-0.05	0.01	0.00
Eco9_120	120	Tall	5	565779	321488	0.73	0.21	0.08	0.61	0.82	28.58	29.39	0.74	0.21	0.08	0.62	0.83	28.58	29.41	-2.84	-0.57	-0.32	-0.06	0.01	0.00

Table 1-11 Model Predicted N-Dep, 2019 and Projected Base 2042

Receptor	Distance from road edge (m)	Tall or Low	Lower CLd N-dep (kg/ha/yr)	X (m)	Y (m)	1. 2019 Base Road NO2 (µg/m3)	1. 2019 Base Road N-Dep from NO2 (kg/ha/yr)	1. 2019 Base Road NH3 (µg/m3)	1. 2019 Base Road N-Dep from NH3 (kg/ha/yr)	1. 2019 Base Total Road N-Dep (kg/ha/yr)	1. 2019 Base Background N-Dep (kg/ha/yr)	1. 2019 Base Total N-Dep (kg/ha/yr)	2. Projected Base Road NO2 (µg/m3)	2. Projected Base Road N-Dep from NO2 (kg/ha/yr)	2. Projected Base Road NH3 (µg/m3)	2. Projected Base Road N-Dep from NH3 (kg/ha/yr)	2. Projected Base Total Road N-Dep (kg/ha/yr)	2. Projected Base Background N-Dep (kg/ha/yr)	2. Projected Base Total N-Dep (kg/ha/yr)	2.-1. Change N-Dep (kg/ha/yr)	(2.-1.)/CLd.% Change Relative to Lower CLd
Eco1_6	6	Low	5	563071	316536	14.05	2.02	0.80	4.16	6.18	17.74	23.92	13.73	1.98	1.00	5.19	7.17	15.70	22.87	-1.05	-0.21
Eco1_10	10	Low	5	563067	316536	10.16	1.46	0.56	2.91	4.37	17.74	22.11	9.95	1.43	0.69	3.60	5.03	15.70	20.73	-1.38	-0.28
Eco1_20	20	Low	5	563057	316535	6.33	0.91	0.32	1.66	2.57	17.74	20.31	6.21	0.89	0.40	2.09	2.99	15.70	18.69	-1.62	-0.32
Eco1_30	30	Low	5	563047	316534	4.76	0.69	0.23	1.19	1.88	17.74	19.62	4.67	0.67	0.29	1.51	2.18	15.70	17.89	-1.73	-0.35
Eco1_40	40	Low	5	563037	316534	3.88	0.56	0.18	0.93	1.49	17.74	19.23	3.81	0.55	0.23	1.19	1.74	15.70	17.45	-1.79	-0.36
Eco1_50	50	Low	5	563027	316533	3.30	0.48	0.15	0.78	1.25	17.74	18.99	3.24	0.47	0.19	0.99	1.46	15.70	17.16	-1.84	-0.37
Eco1_60	60	Low	5	563017	316533	2.88	0.41	0.13	0.68	1.09	17.74	18.83	2.83	0.41	0.16	0.85	1.25	15.70	16.96	-1.87	-0.37
Eco1_70	70	Low	5	563007	316532	2.56	0.37	0.11	0.57	0.94	17.74	18.68	2.51	0.36	0.14	0.74	1.10	15.70	16.80	-1.88	-0.38
Eco1_80	80	Low	5	562997	316531	2.31	0.33	0.10	0.52	0.85	17.49	18.34	2.26	0.33	0.13	0.65	0.98	15.48	16.46	-1.88	-0.38
Eco1_90	90	Low	5	562987	316531	2.10	0.30	0.09	0.47	0.77	17.49	18.26	2.06	0.30	0.11	0.58	0.88	15.48	16.36	-1.90	-0.38
Eco1_100	100	Low	5	562977	316530	1.92	0.28	0.08	0.42	0.69	17.49	18.18	1.89	0.27	0.10	0.53	0.80	15.48	16.28	-1.90	-0.38
Eco1_110	110	Low	5	562967	316529	1.77	0.25	0.07	0.36	0.62	17.49	18.11	1.74	0.25	0.09	0.48	0.73	15.48	16.21	-1.90	-0.38
Eco1_120	120	Low	5	562957	316529	1.64	0.24	0.07	0.36	0.60	17.49	18.09	1.61	0.23	0.08	0.44	0.67	15.48	16.15	-1.94	-0.39
Eco1_130	130	Low	5	562947	316528	1.53	0.22	0.06	0.31	0.53	17.49	18.02	1.50	0.22	0.08	0.41	0.62	15.48	16.10	-1.92	-0.38
Eco1_140	140	Low	5	562937	316528	1.44	0.21	0.06	0.31	0.52	17.49	18.01	1.41	0.20	0.07	0.38	0.58	15.48	16.06	-1.95	-0.39
Eco1_150	150	Low	5	562927	316527	1.35	0.19	0.05	0.26	0.45	17.49	17.94	1.32	0.19	0.07	0.35	0.54	15.48	16.02	-1.92	-0.38
Eco1_160	160	Low	5	562917	316526	1.27	0.18	0.05	0.26	0.44	17.49	17.93	1.25	0.18	0.06	0.33	0.51	15.48	15.99	-1.94	-0.39
Eco1_170	170	Low	5	562907	316526	1.20	0.17	0.05	0.26	0.43	17.49	17.92	1.18	0.17	0.06	0.31	0.48	15.48	15.96	-1.96	-0.39
Eco1_180	180	Low	5	562897	316525	1.15	0.17	0.04	0.21	0.37	17.49	17.86	1.12	0.16	0.06	0.29	0.45	15.48	15.93	-1.93	-0.39
Eco1_190	190	Low	5	562887	316524	1.09	0.16	0.04	0.21	0.36	17.49	17.85	1.07	0.15	0.05	0.27	0.43	15.48	15.91	-1.95	-0.39
Eco1_200	200	Low	5	562877	316524	1.05	0.15	0.04	0.21	0.36	17.49	17.85	1.02	0.15	0.05	0.26	0.41	15.48	15.89	-1.96	-0.39
Eco2_177	177	Low	5	562685	315310	0.43	0.06	0.01	0.05	0.11	17.51	17.62	0.42	0.06	0.02	0.09	0.15	15.50	15.65	-1.97	-0.39
Eco2_180	180	Low	5	562682	315310	0.43	0.06	0.01	0.05	0.11	17.51	17.62	0.42	0.06	0.02	0.09	0.15	15.50	15.65	-1.97	-0.39
Eco2_190	190	Low	5	562672	315310	0.41	0.06	0.01	0.05	0.11	17.51	17.62	0.40	0.06	0.02	0.09	0.15	15.50	15.65	-1.97	-0.39
Eco2_200	200	Low	5	562662	315311	0.40	0.06	0.01	0.05	0.11	17.51	17.62	0.39	0.06	0.02	0.09	0.14	15.50	15.64	-1.98	-0.40
Eco3_200	200	Low	5	563320	314141	0.76	0.11	0.03	0.16	0.27	17.78	18.05	0.75	0.11	0.04	0.21	0.32	15.74	16.06	-1.99	-0.40
Eco3_185	185	Low	5	563334	314144	0.82	0.12	0.04	0.21	0.33	17.78	18.11	0.80	0.12	0.04	0.23	0.34	15.74	16.08	-2.02	-0.40
Eco3_190	190	Low	5	563330	314143	0.80	0.12	0.03	0.16	0.27	17.78	18.05	0.79	0.11	0.04	0.22	0.34	15.74	16.07	-1.98	-0.40
Eco4_10.3	10.3	Low	5	564212	317122	6.64	0.96	0.38	1.97	2.93	17.97	20.90	6.51	0.94	0.48	2.52	3.46	15.91	19.36	-1.54	-0.31
Eco4_20	20	Low	5	564204	317116	4.30	0.62	0.23	1.19	1.81	17.97	19.78	4.22	0.61	0.29	1.53	2.14	15.91	18.04	-1.74	-0.35
Eco4_30	30	Low	5	564196	317109	3.30	0.48	0.17	0.88	1.36	17.97	19.33	3.23	0.47	0.22	1.12	1.58	15.91	17.49	-1.84	-0.37
Eco4_40	40	Low	5	564189	317103	2.72	0.39	0.14	0.73	1.12	17.97	19.09	2.68	0.39	0.17	0.90	1.28	15.91	17.19	-1.90	-0.38
Eco4_50	50	Low	5	564181	317097	2.36	0.34	0.11	0.57	0.91	17.97	18.88	2.31	0.33	0.15	0.75	1.09	15.91	16.99	-1.89	-0.38
Eco4_60	60	Low	5	564173	317090	2.08	0.30	0.10	0.52	0.82	17.97	18.79	2.05	0.30	0.13	0.65	0.95	15.91	16.85	-1.94	-0.39
Eco4_70	70	Low	5	564165	317084	1.88	0.27	0.09	0.47	0.74	17.97	18.71	1.84	0.26	0.11	0.57	0.84	15.91	16.75	-1.96	-0.39

Receptor	Distance from road edge (m)	Tall or Low	Lower CLd N-dep (kg/ha/yr)	X (m)	Y (m)	1. 2019 Base Road NO2 (µg/m3)	1. 2019 Base Road N-Dep from NO2 (kg/ha/yr)	1. 2019 Base Road NH3 (µg/m3)	1. 2019 Base Road N-Dep from NH3 (kg/ha/yr)	1. 2019 Base Total Road N-Dep (kg/ha/yr)	1. 2019 Base Background N-Dep (kg/ha/yr)	1. 2019 Base Total N-Dep (kg/ha/yr)	2. Projected Base Road NO2 (µg/m3)	2. Projected Base Road N-Dep from NO2 (kg/ha/yr)	2. Projected Base Road NH3 (µg/m3)	2. Projected Base Road N-Dep from NH3 (kg/ha/yr)	2. Projected Base Total Road N-Dep (kg/ha/yr)	2. Projected Base Background N-Dep (kg/ha/yr)	2. Projected Base Total N-Dep (kg/ha/yr)	2.-1. Change N-Dep (kg/ha/yr)	(2.-1.)/CLd.% Change Relative to Lower CLd
Eco4_80	80	Low	5	564158	317078	1.71	0.25	0.08	0.42	0.66	17.97	18.63	1.68	0.24	0.10	0.51	0.76	15.91	16.66	-1.97	-0.39
Eco4_90	90	Low	5	564150	317071	1.57	0.23	0.07	0.36	0.59	17.97	18.56	1.55	0.22	0.09	0.47	0.69	15.91	16.60	-1.96	-0.39
Eco4_100	100	Low	5	564142	317065	1.46	0.21	0.06	0.31	0.52	17.97	18.49	1.43	0.21	0.08	0.43	0.63	15.91	16.54	-1.95	-0.39
Eco4_110	110	Low	5	564134	317059	1.37	0.20	0.06	0.31	0.51	17.97	18.48	1.34	0.19	0.08	0.39	0.58	15.91	16.49	-1.99	-0.40
Eco4_120	120	Low	5	564127	317052	1.28	0.18	0.06	0.31	0.50	17.97	18.47	1.26	0.18	0.07	0.36	0.54	15.91	16.45	-2.01	-0.40
Eco4_130	130	Low	5	564119	317046	1.21	0.17	0.05	0.26	0.43	17.97	18.40	1.19	0.17	0.07	0.34	0.51	15.91	16.42	-1.99	-0.40
Eco4_140	140	Low	5	564111	317040	1.15	0.17	0.05	0.26	0.43	17.97	18.40	1.13	0.16	0.06	0.32	0.48	15.91	16.39	-2.01	-0.40
Eco4_150	150	Low	5	564104	317033	1.09	0.16	0.05	0.26	0.42	17.97	18.39	1.07	0.15	0.06	0.30	0.45	15.91	16.36	-2.03	-0.41
Eco4_160	160	Low	5	564096	317027	1.04	0.15	0.04	0.21	0.36	17.97	18.33	1.03	0.15	0.05	0.28	0.43	15.91	16.34	-1.99	-0.40
Eco4_170	170	Low	5	564088	317021	1.00	0.14	0.04	0.21	0.35	17.97	18.32	0.98	0.14	0.05	0.27	0.41	15.91	16.32	-2.01	-0.40
Eco4_180	180	Low	5	564080	317015	0.97	0.14	0.04	0.21	0.35	17.97	18.32	0.95	0.14	0.05	0.26	0.39	15.91	16.30	-2.02	-0.40
Eco4_190	190	Low	5	564073	317008	0.93	0.13	0.04	0.21	0.34	17.97	18.31	0.91	0.13	0.05	0.25	0.38	15.91	16.28	-2.03	-0.41
Eco4_200	200	Low	5	564065	317002	0.90	0.13	0.04	0.21	0.34	17.97	18.31	0.88	0.13	0.05	0.24	0.36	15.91	16.27	-2.04	-0.41
Eco5_43	43	Low	5	564004	316906	0.70	0.10	0.03	0.16	0.26	17.99	18.25	0.68	0.10	0.03	0.17	0.27	15.92	16.19	-2.05	-0.41
Eco5_50	50	Low	5	564009	316910	0.70	0.10	0.03	0.16	0.26	17.99	18.25	0.69	0.10	0.03	0.17	0.27	15.92	16.20	-2.05	-0.41
Eco5_60	60	Low	5	564016	316916	0.71	0.10	0.03	0.16	0.26	17.99	18.25	0.70	0.10	0.03	0.18	0.28	15.92	16.20	-2.04	-0.41
Eco5_70	70	Low	5	564024	316923	0.73	0.11	0.03	0.16	0.26	17.99	18.25	0.71	0.10	0.04	0.18	0.28	15.92	16.21	-2.04	-0.41
Eco5_80	80	Low	5	564031	316929	0.74	0.11	0.03	0.16	0.26	17.99	18.25	0.73	0.11	0.04	0.19	0.29	15.92	16.22	-2.04	-0.41
Eco5_90	90	Low	5	564039	316936	0.75	0.11	0.03	0.16	0.26	17.99	18.25	0.74	0.11	0.04	0.19	0.30	15.92	16.22	-2.03	-0.41
Eco5_100	100	Low	5	564047	316942	0.78	0.11	0.03	0.16	0.27	17.99	18.26	0.76	0.11	0.04	0.20	0.31	15.92	16.23	-2.03	-0.41
Eco5_110	110	Low	5	564054	316949	0.79	0.11	0.03	0.16	0.27	17.99	18.26	0.78	0.11	0.04	0.20	0.31	15.92	16.24	-2.02	-0.40
Eco5_120	120	Low	5	564062	316955	0.81	0.12	0.03	0.16	0.27	17.99	18.26	0.80	0.12	0.04	0.21	0.32	15.92	16.25	-2.01	-0.40
Eco5_130	130	Low	5	564069	316962	0.83	0.12	0.03	0.16	0.28	17.99	18.27	0.82	0.12	0.04	0.22	0.33	15.92	16.26	-2.01	-0.40
Eco5_140	140	Low	5	564077	316968	0.86	0.12	0.03	0.16	0.28	17.99	18.27	0.84	0.12	0.04	0.22	0.34	15.92	16.27	-2.00	-0.40
Eco5_150	150	Low	5	564085	316975	0.89	0.13	0.04	0.21	0.34	17.99	18.33	0.87	0.13	0.04	0.23	0.36	15.92	16.28	-2.04	-0.41
Eco5_160	160	Low	5	564092	316981	0.92	0.13	0.04	0.21	0.34	17.99	18.33	0.90	0.13	0.05	0.24	0.37	15.92	16.30	-2.03	-0.41
Eco5_170	170	Low	5	564100	316988	0.96	0.14	0.04	0.21	0.35	17.99	18.34	0.93	0.13	0.05	0.25	0.39	15.92	16.31	-2.02	-0.40
Eco5_180	180	Low	5	564107	316994	0.99	0.14	0.04	0.21	0.35	17.99	18.34	0.97	0.14	0.05	0.27	0.41	15.92	16.33	-2.01	-0.40
Eco5_190	190	Low	5	564115	317001	1.03	0.15	0.04	0.21	0.36	17.97	18.33	1.01	0.15	0.05	0.28	0.42	15.91	16.33	-1.99	-0.40
Eco5_200	200	Low	5	564123	317007	1.08	0.16	0.05	0.26	0.42	17.97	18.39	1.06	0.15	0.06	0.30	0.45	15.91	16.35	-2.03	-0.41
Eco7_50	50	Low	5	563248	316355	1.47	0.21	0.06	0.31	0.52	17.74	18.26	1.44	0.21	0.08	0.41	0.62	15.70	16.32	-1.94	-0.39
Eco7_60	60	Low	5	563257	316357	1.39	0.20	0.06	0.31	0.51	17.74	18.25	1.37	0.20	0.08	0.39	0.59	15.70	16.29	-1.96	-0.39
Eco7_70	70	Low	5	563267	316359	1.32	0.19	0.06	0.31	0.50	17.74	18.24	1.31	0.19	0.07	0.37	0.56	15.70	16.26	-1.98	-0.40
Eco7_80	80	Low	5	563277	316361	1.27	0.18	0.05	0.26	0.44	17.74	18.18	1.25	0.18	0.07	0.35	0.53	15.70	16.23	-1.95	-0.39
Eco7_90	90	Low	5	563287	316363	1.21	0.17	0.05	0.26	0.43	17.74	18.17	1.19	0.17	0.06	0.33	0.50	15.70	16.21	-1.97	-0.39
Eco7_100	100	Low	5	563296	316365	1.17	0.17	0.05	0.26	0.43	17.74	18.17	1.15	0.17	0.06	0.32	0.48	15.70	16.19	-1.98	-0.40
Eco7_110	110	Low	5	563306	316367	1.12	0.16	0.05	0.26	0.42	17.74	18.16	1.10	0.16	0.06	0.30	0.46	15.70	16.17	-1.99	-0.40

Receptor	Distance from road edge (m)	Tall or Low	Lower CLd N-dep (kg/ha/yr)	X (m)	Y (m)	1. 2019 Base Road NO2 (µg/m3)	1. 2019 Base Road N-Dep from NO2 (kg/ha/yr)	1. 2019 Base Road NH3 (µg/m3)	1. 2019 Base Road N-Dep from NH3 (kg/ha/yr)	1. 2019 Base Total Road N-Dep (kg/ha/yr)	1. 2019 Base Background N-Dep (kg/ha/yr)	1. 2019 Base Total N-Dep (kg/ha/yr)	2. Projected Base Road NO2 (µg/m3)	2. Projected Base Road N-Dep from NO2 (kg/ha/yr)	2. Projected Base Road NH3 (µg/m3)	2. Projected Base Road N-Dep from NH3 (kg/ha/yr)	2. Projected Base Total Road N-Dep (kg/ha/yr)	2. Projected Base Background N-Dep (kg/ha/yr)	2. Projected Base Total N-Dep (kg/ha/yr)	2.-1. Change N-Dep (kg/ha/yr)	(2.-1.)/CLd.% Change Relative to Lower CLd
Eco7_120	120	Low	5	563316	316369	1.09	0.16	0.05	0.26	0.42	17.74	18.16	1.07	0.15	0.06	0.29	0.45	15.70	16.15	-2.01	-0.40
Eco6_82	82	Low	10	561603	318045	1.98	0.29	0.08	0.42	0.70	17.39	18.09	1.96	0.28	0.10	0.51	0.80	15.39	16.19	-1.90	-0.19
Eco6_90	90	Low	10	561599	318039	1.90	0.27	0.07	0.36	0.64	17.39	18.03	1.87	0.27	0.09	0.49	0.76	15.39	16.15	-1.88	-0.19
Eco6_100	100	Low	10	561595	318030	1.78	0.26	0.07	0.36	0.62	17.39	18.01	1.75	0.25	0.09	0.45	0.71	15.39	16.10	-1.91	-0.19
Eco6_110	110	Low	10	561590	318021	1.68	0.24	0.06	0.31	0.55	17.39	17.94	1.66	0.24	0.08	0.42	0.66	15.39	16.06	-1.89	-0.19
Eco6_120	120	Low	10	561585	318013	1.60	0.23	0.06	0.31	0.54	17.39	17.93	1.57	0.23	0.08	0.40	0.63	15.39	16.02	-1.91	-0.19
Eco6_130	130	Low	10	561581	318004	1.52	0.22	0.06	0.31	0.53	17.39	17.92	1.50	0.22	0.07	0.38	0.59	15.39	15.99	-1.93	-0.19
Eco6_140	140	Low	10	561576	317995	1.47	0.21	0.05	0.26	0.47	17.38	17.85	1.44	0.21	0.07	0.36	0.57	15.38	15.95	-1.90	-0.19
Eco6_150	150	Low	10	561571	317986	1.40	0.20	0.05	0.26	0.46	17.38	17.84	1.38	0.20	0.07	0.34	0.54	15.38	15.92	-1.92	-0.19
Eco6_160	160	Low	10	561566	317977	1.35	0.19	0.05	0.26	0.45	17.38	17.83	1.32	0.19	0.06	0.33	0.52	15.38	15.90	-1.93	-0.19
Eco6_170	170	Low	10	561562	317969	1.30	0.19	0.05	0.26	0.45	17.38	17.83	1.27	0.18	0.06	0.31	0.50	15.38	15.88	-1.95	-0.19
Eco6_180	180	Low	10	561557	317960	1.25	0.18	0.05	0.26	0.44	17.38	17.82	1.23	0.18	0.06	0.30	0.48	15.38	15.86	-1.96	-0.20
Eco6_190	190	Low	10	561552	317951	1.22	0.18	0.04	0.21	0.38	17.38	17.76	1.19	0.17	0.06	0.29	0.46	15.38	15.84	-1.92	-0.19
Eco6_196	196	Low	10	561549	317946	1.18	0.17	0.04	0.21	0.38	17.38	17.76	1.16	0.17	0.05	0.28	0.45	15.38	15.83	-1.92	-0.19
Eco8_200	200	Tall	5	565733	321571	1.25	0.36	0.04	0.33	0.69	31.18	31.87	1.23	0.35	0.05	0.42	0.77	27.60	28.37	-3.50	-0.70
Eco8_120	120	Tall	5	565804	321534	1.87	0.54	0.07	0.54	1.08	31.18	32.26	1.84	0.53	0.09	0.69	1.22	27.60	28.82	-3.44	-0.69
Eco8_90	90	Tall	5	565831	321520	2.31	0.67	0.09	0.70	1.37	31.18	32.55	2.27	0.65	0.11	0.89	1.55	27.60	29.15	-3.40	-0.68
Eco8_100	100	Tall	5	565822	321524	2.14	0.62	0.08	0.64	1.26	31.18	32.44	2.10	0.60	0.10	0.81	1.42	27.60	29.02	-3.42	-0.68
Eco8_70	70	Tall	5	565848	321510	2.77	0.80	0.11	0.88	1.68	31.18	32.86	2.72	0.78	0.14	1.12	1.90	27.60	29.50	-3.36	-0.67
Eco8_80	80	Tall	5	565839	321515	2.52	0.73	0.10	0.78	1.50	31.18	32.68	2.47	0.71	0.13	0.99	1.70	27.60	29.30	-3.38	-0.68
Eco8_190	190	Tall	5	565742	321566	1.30	0.37	0.04	0.35	0.72	31.18	31.90	1.28	0.37	0.06	0.44	0.81	27.60	28.41	-3.49	-0.70
Eco8_170	170	Tall	5	565760	321557	1.42	0.41	0.05	0.39	0.80	31.18	31.98	1.40	0.40	0.06	0.49	0.89	27.60	28.49	-3.48	-0.70
Eco8_180	180	Tall	5	565751	321562	1.37	0.39	0.05	0.37	0.76	31.18	31.94	1.34	0.39	0.06	0.46	0.85	27.60	28.45	-3.49	-0.70
Eco8_150	150	Tall	5	565777	321548	1.58	0.46	0.06	0.44	0.89	31.18	32.07	1.55	0.45	0.07	0.55	1.00	27.60	28.60	-3.47	-0.69
Eco8_160	160	Tall	5	565769	321552	1.50	0.43	0.05	0.41	0.84	31.18	32.02	1.47	0.42	0.07	0.52	0.94	27.60	28.54	-3.48	-0.70
Eco8_50	50	Tall	5	565866	321501	3.50	1.01	0.15	1.17	2.18	31.18	33.36	3.44	0.99	0.19	1.49	2.48	27.60	30.08	-3.28	-0.66
Eco8_60	60	Tall	5	565857	321506	3.08	0.89	0.13	1.01	1.89	31.18	33.07	3.03	0.87	0.16	1.27	2.15	27.60	29.75	-3.33	-0.67
Eco8_30	30	Tall	5	565884	321492	4.99	1.44	0.23	1.80	3.24	31.18	34.42	4.90	1.41	0.29	2.29	3.70	27.60	31.30	-3.12	-0.62
Eco8_40	40	Tall	5	565875	321496	4.08	1.18	0.18	1.41	2.59	31.18	33.77	4.01	1.15	0.23	1.79	2.95	27.60	30.55	-3.22	-0.64
Eco8_10	10	Tall	5	565901	321482	10.70	3.08	0.57	4.45	7.53	31.18	38.71	10.48	3.02	0.73	5.66	8.68	27.60	36.28	-2.43	-0.49
Eco8_20	20	Tall	5	565893	321487	6.65	1.92	0.33	2.53	4.45	31.18	35.63	6.52	1.88	0.41	3.22	5.10	27.60	32.70	-2.92	-0.58
Eco8_130	130	Tall	5	565795	321538	1.75	0.50	0.06	0.50	1.00	31.18	32.18	1.73	0.50	0.08	0.64	1.13	27.60	28.73	-3.45	-0.69
Eco8_140	140	Tall	5	565786	321543	1.65	0.48	0.06	0.47	0.94	31.18	32.12	1.63	0.47	0.08	0.59	1.06	27.60	28.66	-3.46	-0.69
Eco8_110	110	Tall	5	565813	321529	2.00	0.58	0.08	0.59	1.16	31.18	32.34	1.96	0.56	0.10	0.74	1.31	27.60	28.91	-3.43	-0.69
Eco12_180	180	Tall	5	566019	322038	1.37	0.39	0.05	0.37	0.77	31.33	32.10	1.35	0.39	0.06	0.47	0.86	27.73	28.59	-3.50	-0.70
Eco11_172	172	Tall	5	565989	321968	1.42	0.41	0.05	0.39	0.80	31.18	31.98	1.40	0.40	0.06	0.50	0.90	27.60	28.50	-3.48	-0.70
Eco10_162	162	Tall	5	565959	321898	1.49	0.43	0.05	0.41	0.84	31.18	32.02	1.46	0.42	0.07	0.52	0.94	27.60	28.54	-3.48	-0.70

Receptor	Distance from road edge (m)	Tall or Low	Lower CLd N-dep (kg/ha/yr)	X (m)	Y (m)	1. 2019 Base Road NO2 (µg/m3)	1. 2019 Base Road N-Dep from NO2 (kg/ha/yr)	1. 2019 Base Road NH3 (µg/m3)	1. 2019 Base Road N-Dep from NH3 (kg/ha/yr)	1. 2019 Base Total Road N-Dep (kg/ha/yr)	1. 2019 Base Background N-Dep (kg/ha/yr)	1. 2019 Base Total N-Dep (kg/ha/yr)	2. Projected Base Road NO2 (µg/m3)	2. Projected Base Road N-Dep from NO2 (kg/ha/yr)	2. Projected Base Road NH3 (µg/m3)	2. Projected Base Road N-Dep from NH3 (kg/ha/yr)	2. Projected Base Total Road N-Dep (kg/ha/yr)	2. Projected Base Background N-Dep (kg/ha/yr)	2. Projected Base Total N-Dep (kg/ha/yr)	2.-1. Change N-Dep (kg/ha/yr)	(2.-1.)/CLd.% Change Relative to Lower CLd
Eco9_120	120	Tall	5	565779	321488	1.85	0.53	0.07	0.54	1.07	31.18	32.25	1.82	0.52	0.09	0.68	1.20	27.60	28.80	-3.45	-0.69

Table 1-12 Model Predicted N-Dep, 2042 DM and 2042 DS

Receptor	Distance from road centreline (m)	Tall or Low	Lower CLd N-dep (kg/ha/yr)	X (m)	Y (m)	3. DM Road NO2 (µg/m3)	3. DM Road N-Dep from NO2 (kg/ha/yr)	3. DM Road NH3 (µg/m3)	3. DM Road N-Dep from NH3 (kg/ha/yr)	3. DM Total Road N-Dep (kg/ha/yr)	3. DM Background N-Dep (kg/ha/yr)	3. DM Total N-Dep (kg/ha/yr)	4. DS Road NO2 (µg/m3)	4. DS Road N-Dep from NO2 (kg/ha/yr)	4. DS Road NH3 (µg/m3)	4. DS Road N-Dep from NH3 (kg/ha/yr)	4. DS Total Road N-Dep (kg/ha/yr)	4. DS Background N-Dep (kg/ha/yr)	4. DS Total N-Dep (kg/ha/yr)	4.-1. Change N-Dep (kg/ha/yr)	(4.-1.)CLd % Change Relative to Lower CLd	4.-2. Change N-Dep (kg/ha/yr)	(4.-2.)CLd % Change Relative to Lower CLd	4.-3. Change N-Dep (kg/ha/yr)	(4.-3.)CLd % Change Relative to Lower CLd
Eco1_6	6	Low	5	563071	316536	2.46	0.35	0.51	2.65	3.00	15.70	18.71	1.94	0.28	0.30	1.56	1.84	15.70	17.54	-6.38	-1.28	-5.33	-1.07	-1.17	-0.23
Eco1_10	10	Low	5	563067	316536	1.76	0.25	0.35	1.82	2.07	15.70	17.77	1.34	0.19	0.20	1.04	1.23	15.70	16.93	-5.18	-1.04	-3.80	-0.76	-0.84	-0.17
Eco1_20	20	Low	5	563057	316535	1.09	0.16	0.20	1.04	1.20	15.70	16.90	0.81	0.12	0.11	0.57	0.69	15.70	16.39	-3.92	-0.78	-2.30	-0.46	-0.51	-0.10
Eco1_30	30	Low	5	563047	316534	0.83	0.12	0.15	0.78	0.90	15.70	16.60	0.60	0.09	0.08	0.42	0.50	15.70	16.21	-3.41	-0.68	-1.68	-0.34	-0.40	-0.08
Eco1_40	40	Low	5	563037	316534	0.69	0.10	0.12	0.62	0.72	15.70	16.43	0.49	0.07	0.06	0.31	0.38	15.70	16.09	-3.15	-0.63	-1.36	-0.27	-0.34	-0.07
Eco1_50	50	Low	5	563027	316533	0.59	0.08	0.10	0.52	0.60	15.70	16.31	0.42	0.06	0.05	0.26	0.32	15.70	16.02	-2.97	-0.59	-1.14	-0.23	-0.28	-0.06
Eco1_60	60	Low	5	563017	316533	0.52	0.07	0.08	0.42	0.49	15.70	16.19	0.38	0.05	0.04	0.21	0.26	15.70	15.97	-2.86	-0.57	-0.99	-0.20	-0.23	-0.05
Eco1_70	70	Low	5	563007	316532	0.46	0.07	0.07	0.36	0.43	15.70	16.13	0.34	0.05	0.04	0.21	0.26	15.70	15.96	-2.72	-0.54	-0.84	-0.17	-0.17	-0.03
Eco1_80	80	Low	5	562997	316531	0.43	0.06	0.07	0.36	0.43	15.48	15.91	0.32	0.05	0.04	0.21	0.25	15.48	15.74	-2.61	-0.52	-0.72	-0.14	-0.17	-0.03
Eco1_90	90	Low	5	562987	316531	0.40	0.06	0.06	0.31	0.37	15.48	15.85	0.30	0.04	0.03	0.16	0.20	15.48	15.68	-2.58	-0.52	-0.68	-0.14	-0.17	-0.03
Eco1_100	100	Low	5	562977	316530	0.37	0.05	0.06	0.31	0.36	15.48	15.85	0.28	0.04	0.03	0.16	0.20	15.48	15.68	-2.50	-0.50	-0.60	-0.12	-0.17	-0.03
Eco1_110	110	Low	5	562967	316529	0.34	0.05	0.05	0.26	0.31	15.48	15.79	0.27	0.04	0.03	0.16	0.19	15.48	15.68	-2.43	-0.49	-0.54	-0.11	-0.11	-0.02
Eco1_120	120	Low	5	562957	316529	0.33	0.05	0.05	0.26	0.31	15.48	15.79	0.25	0.04	0.03	0.16	0.19	15.48	15.67	-2.42	-0.48	-0.48	-0.10	-0.12	-0.02
Eco1_130	130	Low	5	562947	316528	0.31	0.04	0.05	0.26	0.30	15.48	15.79	0.24	0.03	0.03	0.16	0.19	15.48	15.67	-2.35	-0.47	-0.43	-0.09	-0.11	-0.02
Eco1_140	140	Low	5	562937	316528	0.30	0.04	0.04	0.21	0.25	15.48	15.73	0.23	0.03	0.02	0.10	0.14	15.48	15.62	-2.39	-0.48	-0.44	-0.09	-0.11	-0.02
Eco1_150	150	Low	5	562927	316527	0.29	0.04	0.04	0.21	0.25	15.48	15.73	0.23	0.03	0.02	0.10	0.14	15.48	15.62	-2.33	-0.47	-0.40	-0.08	-0.11	-0.02
Eco1_160	160	Low	5	562917	316526	0.28	0.04	0.04	0.21	0.25	15.48	15.73	0.22	0.03	0.02	0.10	0.14	15.48	15.62	-2.32	-0.46	-0.37	-0.07	-0.11	-0.02
Eco1_170	170	Low	5	562907	316526	0.27	0.04	0.04	0.21	0.25	15.48	15.73	0.21	0.03	0.02	0.10	0.13	15.48	15.62	-2.31	-0.46	-0.34	-0.07	-0.11	-0.02
Eco1_180	180	Low	5	562897	316525	0.25	0.04	0.03	0.16	0.19	15.48	15.67	0.21	0.03	0.02	0.10	0.13	15.48	15.62	-2.25	-0.45	-0.32	-0.06	-0.06	-0.01
Eco1_190	190	Low	5	562887	316524	0.24	0.03	0.03	0.16	0.19	15.48	15.67	0.20	0.03	0.02	0.10	0.13	15.48	15.61	-2.24	-0.45	-0.29	-0.06	-0.06	-0.01
Eco1_200	200	Low	5	562877	316524	0.23	0.03	0.03	0.16	0.19	15.48	15.67	0.20	0.03	0.02	0.10	0.13	15.48	15.61	-2.23	-0.45	-0.27	-0.05	-0.06	-0.01
Eco2_177	177	Low	5	562685	315310	0.14	0.02	0.02	0.10	0.12	15.50	15.62	0.14	0.02	0.01	0.05	0.07	15.50	15.57	-2.05	-0.41	-0.08	-0.02	-0.05	-0.01
Eco2_180	180	Low	5	562682	315310	0.14	0.02	0.02	0.10	0.12	15.50	15.62	0.14	0.02	0.01	0.05	0.07	15.50	15.57	-2.05	-0.41	-0.08	-0.02	-0.05	-0.01
Eco2_190	190	Low	5	562672	315310	0.13	0.02	0.02	0.10	0.12	15.50	15.62	0.13	0.02	0.01	0.05	0.07	15.50	15.57	-2.05	-0.41	-0.08	-0.02	-0.05	-0.01
Eco2_200	200	Low	5	562662	315311	0.13	0.02	0.02	0.10	0.12	15.50	15.62	0.13	0.02	0.01	0.05	0.07	15.50	15.57	-2.05	-0.41	-0.07	-0.01	-0.05	-0.01
Eco3_200	200	Low	5	563320	314141	0.26	0.04	0.04	0.21	0.25	15.74	15.98	0.29	0.04	0.03	0.16	0.20	15.74	15.94	-2.11	-0.42	-0.12	-0.02	-0.05	-0.01
Eco3_185	185	Low	5	563334	314144	0.28	0.04	0.05	0.26	0.30	15.74	16.04	0.31	0.04	0.04	0.21	0.25	15.74	15.99	-2.11	-0.42	-0.09	-0.02	-0.05	-0.01
Eco3_190	190	Low	5	563330	314143	0.28	0.04	0.05	0.26	0.30	15.74	16.04	0.31	0.04	0.04	0.21	0.25	15.74	15.99	-2.06	-0.41	-0.08	-0.02	-0.05	-0.01
Eco4_10.3	10.3	Low	5	564212	317122	2.29	0.33	0.53	2.75	3.08	15.91	18.99	3.35	0.48	0.53	2.75	3.24	15.91	19.14	-1.76	-0.35	-0.22	-0.04	0.15	0.03
Eco4_20	20	Low	5	564204	317116	1.56	0.22	0.34	1.77	1.99	15.91	17.90	2.03	0.29	0.30	1.56	1.85	15.91	17.76	-2.03	-0.41	-0.28	-0.06	-0.14	-0.03
Eco4_30	30	Low	5	564196	317109	1.27	0.18	0.26	1.35	1.53	15.91	17.44	1.51	0.22	0.21	1.09	1.31	15.91	17.21	-2.11	-0.42	-0.28	-0.06	-0.23	-0.05
Eco4_40	40	Low	5	564189	317103	1.10	0.16	0.22	1.14	1.30	15.91	17.21	1.24	0.18	0.17	0.88	1.06	15.91	16.97	-2.12	-0.42	-0.22	-0.04	-0.24	-0.05
Eco4_50	50	Low	5	564181	317097	0.99	0.14	0.19	0.99	1.13	15.91	17.04	1.07	0.15	0.14	0.73	0.88	15.91	16.79	-2.09	-0.42	-0.21	-0.04	-0.25	-0.05
Eco4_60	60	Low	5	564173	317090	0.93	0.13	0.17	0.88	1.02	15.91	16.92	0.96	0.14	0.12	0.62	0.76	15.91	16.67	-2.12	-0.42	-0.19	-0.04	-0.26	-0.05
Eco4_70	70	Low	5	564165	317084	0.87	0.13	0.16	0.83	0.96	15.91	16.86	0.88	0.13	0.11	0.57	0.70	15.91	16.60	-2.10	-0.42	-0.14	-0.03	-0.26	-0.05
Eco4_80	80	Low	5	564158	317078	0.83	0.12	0.15	0.78	0.90	15.91	16.81	0.83	0.12	0.10	0.52	0.64	15.91	16.55	-2.09	-0.42	-0.12	-0.02	-0.26	-0.05

Receptor	Distance from road centreline (m)	Tall or Low	Lower CLd N-dep (kg/ha/yr)	X (m)	Y (m)	3. DM Road NO2 (µg/m3)	3. DM Road N-Dep from NO2 (kg/ha/yr)	3. DM Road NH3 (µg/m3)	3. DM Road N-Dep from NH3 (kg/ha/yr)	3. DM Total Road N-Dep (kg/ha/yr)	3. DM Background N-Dep (kg/ha/yr)	3. DM Total N-Dep (kg/ha/yr)	4. DS Road NO2 (µg/m3)	4. DS Road N-Dep from NO2 (kg/ha/yr)	4. DS Road NH3 (µg/m3)	4. DS Road N-Dep from NH3 (kg/ha/yr)	4. DS Total Road N-Dep (kg/ha/yr)	4. DS Background N-Dep (kg/ha/yr)	4. DS Total N-Dep (kg/ha/yr)	4.-1. Change N-Dep (kg/ha/yr)	(4.-1.)/CLd % Change Relative to Lower CLd	4.-2. Change N-Dep (kg/ha/yr)	(4.-2.)/CLd % Change Relative to Lower CLd	4.-3. Change N-Dep (kg/ha/yr)	(4.-3.)/CLd % Change Relative to Lower CLd
Eco4_90	90	Low	5	564150	317071	0.81	0.12	0.14	0.73	0.84	15.91	16.75	0.80	0.12	0.10	0.52	0.63	15.91	16.54	-2.02	-0.40	-0.05	-0.01	-0.21	-0.04
Eco4_100	100	Low	5	564142	317065	0.78	0.11	0.14	0.73	0.84	15.91	16.75	0.76	0.11	0.09	0.47	0.58	15.91	16.48	-2.01	-0.40	-0.05	-0.01	-0.26	-0.05
Eco4_110	110	Low	5	564134	317059	0.77	0.11	0.13	0.68	0.79	15.91	16.69	0.75	0.11	0.09	0.47	0.58	15.91	16.48	-2.00	-0.40	-0.01	0.00	-0.21	-0.04
Eco4_120	120	Low	5	564127	317052	0.77	0.11	0.13	0.68	0.79	15.91	16.69	0.73	0.11	0.09	0.47	0.57	15.91	16.48	-1.99	-0.40	0.03	0.01	-0.21	-0.04
Eco4_130	130	Low	5	564119	317046	0.76	0.11	0.13	0.68	0.78	15.91	16.69	0.73	0.11	0.09	0.47	0.57	15.91	16.48	-1.92	-0.38	0.06	0.01	-0.21	-0.04
Eco4_140	140	Low	5	564111	317040	0.77	0.11	0.13	0.68	0.79	15.91	16.69	0.73	0.11	0.09	0.47	0.57	15.91	16.48	-1.92	-0.38	0.09	0.02	-0.21	-0.04
Eco4_150	150	Low	5	564104	317033	0.78	0.11	0.13	0.68	0.79	15.91	16.69	0.73	0.11	0.09	0.47	0.57	15.91	16.48	-1.91	-0.38	0.12	0.02	-0.21	-0.04
Eco4_160	160	Low	5	564096	317027	0.80	0.12	0.14	0.73	0.84	15.91	16.75	0.74	0.11	0.09	0.47	0.57	15.91	16.48	-1.85	-0.37	0.14	0.03	-0.27	-0.05
Eco4_170	170	Low	5	564088	317021	0.82	0.12	0.14	0.73	0.85	15.91	16.75	0.76	0.11	0.09	0.47	0.58	15.91	16.48	-1.84	-0.37	0.17	0.03	-0.27	-0.05
Eco4_180	180	Low	5	564080	317015	0.84	0.12	0.14	0.73	0.85	15.91	16.75	0.77	0.11	0.10	0.52	0.63	15.91	16.54	-1.78	-0.36	0.24	0.05	-0.22	-0.04
Eco4_190	190	Low	5	564073	317008	0.87	0.13	0.15	0.78	0.90	15.91	16.81	0.81	0.12	0.10	0.52	0.64	15.91	16.54	-1.77	-0.35	0.26	0.05	-0.27	-0.05
Eco4_200	200	Low	5	564065	317002	0.91	0.13	0.16	0.83	0.96	15.91	16.87	0.84	0.12	0.10	0.52	0.64	15.91	16.55	-1.76	-0.35	0.28	0.06	-0.32	-0.06
Eco5_43	43	Low	5	564004	316906	1.83	0.26	0.35	1.82	2.08	15.92	18.01	1.81	0.26	0.25	1.30	1.56	15.92	17.48	-0.76	-0.15	1.29	0.26	-0.52	-0.10
Eco5_50	50	Low	5	564009	316910	1.64	0.24	0.31	1.61	1.85	15.92	17.77	1.61	0.23	0.22	1.14	1.37	15.92	17.30	-0.95	-0.19	1.10	0.22	-0.47	-0.09
Eco5_60	60	Low	5	564016	316916	1.44	0.21	0.27	1.40	1.61	15.92	17.53	1.39	0.20	0.19	0.99	1.19	15.92	17.11	-1.14	-0.23	0.91	0.18	-0.42	-0.08
Eco5_70	70	Low	5	564024	316923	1.29	0.19	0.24	1.25	1.43	15.92	17.36	1.23	0.18	0.16	0.83	1.01	15.92	16.93	-1.32	-0.26	0.72	0.14	-0.42	-0.08
Eco5_80	80	Low	5	564031	316929	1.18	0.17	0.21	1.09	1.26	15.92	17.19	1.10	0.16	0.14	0.73	0.89	15.92	16.81	-1.44	-0.29	0.59	0.12	-0.38	-0.08
Eco5_90	90	Low	5	564039	316936	1.09	0.16	0.20	1.04	1.20	15.92	17.12	1.02	0.15	0.13	0.68	0.82	15.92	16.75	-1.51	-0.30	0.52	0.10	-0.37	-0.07
Eco5_100	100	Low	5	564047	316942	1.02	0.15	0.18	0.93	1.08	15.92	17.01	0.94	0.14	0.12	0.62	0.76	15.92	16.68	-1.58	-0.32	0.45	0.09	-0.32	-0.06
Eco5_110	110	Low	5	564054	316949	0.96	0.14	0.17	0.88	1.02	15.92	16.95	0.88	0.13	0.11	0.57	0.70	15.92	16.62	-1.64	-0.33	0.38	0.08	-0.32	-0.06
Eco5_120	120	Low	5	564062	316955	0.91	0.13	0.16	0.83	0.96	15.92	16.89	0.83	0.12	0.10	0.52	0.64	15.92	16.56	-1.70	-0.34	0.32	0.06	-0.32	-0.06
Eco5_130	130	Low	5	564069	316962	0.86	0.12	0.15	0.78	0.90	15.92	16.83	0.80	0.12	0.10	0.52	0.63	15.92	16.56	-1.71	-0.34	0.30	0.06	-0.27	-0.05
Eco5_140	140	Low	5	564077	316968	0.83	0.12	0.14	0.73	0.85	15.92	16.77	0.76	0.11	0.09	0.47	0.58	15.92	16.50	-1.77	-0.35	0.23	0.05	-0.27	-0.05
Eco5_150	150	Low	5	564085	316975	0.80	0.12	0.14	0.73	0.84	15.92	16.77	0.74	0.11	0.09	0.47	0.57	15.92	16.50	-1.83	-0.37	0.22	0.04	-0.27	-0.05
Eco5_160	160	Low	5	564092	316981	0.77	0.11	0.13	0.68	0.79	15.92	16.71	0.72	0.10	0.09	0.47	0.57	15.92	16.50	-1.83	-0.37	0.20	0.04	-0.21	-0.04
Eco5_170	170	Low	5	564100	316988	0.75	0.11	0.13	0.68	0.78	15.92	16.71	0.71	0.10	0.09	0.47	0.57	15.92	16.49	-1.84	-0.37	0.18	0.04	-0.21	-0.04
Eco5_180	180	Low	5	564107	316994	0.74	0.11	0.13	0.68	0.78	15.92	16.71	0.69	0.10	0.08	0.42	0.51	15.92	16.44	-1.90	-0.38	0.11	0.02	-0.27	-0.05
Eco5_190	190	Low	5	564115	317001	0.73	0.11	0.12	0.62	0.73	15.91	16.64	0.69	0.10	0.08	0.42	0.51	15.91	16.42	-1.90	-0.38	0.09	0.02	-0.21	-0.04
Eco5_200	200	Low	5	564123	317007	0.72	0.10	0.12	0.62	0.73	15.91	16.63	0.69	0.10	0.08	0.42	0.51	15.91	16.42	-1.96	-0.39	0.07	0.01	-0.21	-0.04
Eco7_50	50	Low	5	563248	316355	0.93	0.13	0.15	0.78	0.91	15.70	16.62	0.29	0.04	0.03	0.16	0.20	15.70	15.90	-2.36	-0.47	-0.42	-0.08	-0.72	-0.14
Eco7_60	60	Low	5	563257	316357	0.91	0.13	0.14	0.73	0.86	15.70	16.56	0.28	0.04	0.03	0.16	0.20	15.70	15.90	-2.35	-0.47	-0.39	-0.08	-0.66	-0.13
Eco7_70	70	Low	5	563267	316359	0.88	0.13	0.14	0.73	0.85	15.70	16.56	0.28	0.04	0.03	0.16	0.20	15.70	15.90	-2.34	-0.47	-0.36	-0.07	-0.66	-0.13
Eco7_80	80	Low	5	563277	316361	0.85	0.12	0.13	0.68	0.80	15.70	16.50	0.27	0.04	0.03	0.16	0.19	15.70	15.90	-2.28	-0.46	-0.34	-0.07	-0.60	-0.12
Eco7_90	90	Low	5	563287	316363	0.77	0.11	0.12	0.62	0.73	15.70	16.44	0.27	0.04	0.03	0.16	0.19	15.70	15.90	-2.28	-0.46	-0.31	-0.06	-0.54	-0.11
Eco7_100	100	Low	5	563296	316365	0.48	0.07	0.07	0.36	0.43	15.70	16.14	0.27	0.04	0.03	0.16	0.19	15.70	15.90	-2.27	-0.45	-0.29	-0.06	-0.24	-0.05
Eco7_110	110	Low	5	563306	316367	0.38	0.05	0.05	0.26	0.31	15.70	16.02	0.25	0.04	0.03	0.16	0.19	15.70	15.89	-2.27	-0.45	-0.27	-0.05	-0.12	-0.02
Eco7_120	120	Low	5	563316	316369	0.34	0.05	0.05	0.26	0.31	15.70	16.01	0.25	0.04	0.03	0.16	0.19	15.70	15.89	-2.26	-0.45	-0.25	-0.05	-0.12	-0.02
Eco6_82	82	Low	10	561603	318045	0.64	0.09	0.11	0.57	0.66	15.39	16.06	0.73	0.11	0.08	0.42	0.52	15.39	15.91	-2.18	-0.22	-0.28	-0.03	-0.14	-0.01

Receptor	Distance from road centreline (m)	Tall or Low	Lower CLd N-dep (kg/ha/yr)	X (m)	Y (m)	3. DM Road NO2 (µg/m3)	3. DM Road N-Dep from NO2 (kg/ha/yr)	3. DM Road NH3 (µg/m3)	3. DM Road N-Dep from NH3 (kg/ha/yr)	3. DM Total Road N-Dep (kg/ha/yr)	3. DM Background N-Dep (kg/ha/yr)	3. DM Total N-Dep (kg/ha/yr)	4. DS Road NO2 (µg/m3)	4. DS Road N-Dep from NO2 (kg/ha/yr)	4. DS Road NH3 (µg/m3)	4. DS Road N-Dep from NH3 (kg/ha/yr)	4. DS Total Road N-Dep (kg/ha/yr)	4. DS Background N-Dep (kg/ha/yr)	4. DS Total N-Dep (kg/ha/yr)	4.-1. Change N-Dep (kg/ha/yr)	(4.-1.)/CLd % Change Relative to Lower CLd	4.-2. Change N-Dep (kg/ha/yr)	(4.-2.)/CLd % Change Relative to Lower CLd	4.-3. Change N-Dep (kg/ha/yr)	(4.-3.)/CLd % Change Relative to Lower CLd
Eco6_90	90	Low	10	561599	318039	0.61	0.09	0.10	0.52	0.61	15.39	16.00	0.70	0.10	0.08	0.42	0.52	15.39	15.91	-2.12	-0.21	-0.24	-0.02	-0.09	-0.01
Eco6_100	100	Low	10	561595	318030	0.58	0.08	0.10	0.52	0.60	15.39	16.00	0.66	0.10	0.07	0.36	0.46	15.39	15.85	-2.16	-0.22	-0.25	-0.02	-0.14	-0.01
Eco6_110	110	Low	10	561590	318021	0.55	0.08	0.09	0.47	0.55	15.39	15.94	0.61	0.09	0.07	0.36	0.45	15.39	15.84	-2.10	-0.21	-0.21	-0.02	-0.10	-0.01
Eco6_120	120	Low	10	561585	318013	0.51	0.07	0.08	0.42	0.49	15.39	15.88	0.58	0.08	0.06	0.31	0.40	15.39	15.79	-2.14	-0.21	-0.23	-0.02	-0.09	-0.01
Eco6_130	130	Low	10	561581	318004	0.49	0.07	0.08	0.42	0.49	15.39	15.88	0.56	0.08	0.06	0.31	0.39	15.39	15.79	-2.13	-0.21	-0.20	-0.02	-0.09	-0.01
Eco6_140	140	Low	10	561576	317995	0.47	0.07	0.08	0.42	0.48	15.38	15.87	0.53	0.08	0.06	0.31	0.39	15.38	15.77	-2.08	-0.21	-0.18	-0.02	-0.10	-0.01
Eco6_150	150	Low	10	561571	317986	0.45	0.06	0.07	0.36	0.43	15.38	15.81	0.50	0.07	0.05	0.26	0.33	15.38	15.72	-2.13	-0.21	-0.21	-0.02	-0.10	-0.01
Eco6_160	160	Low	10	561566	317977	0.43	0.06	0.07	0.36	0.43	15.38	15.81	0.48	0.07	0.05	0.26	0.33	15.38	15.71	-2.12	-0.21	-0.19	-0.02	-0.10	-0.01
Eco6_170	170	Low	10	561562	317969	0.42	0.06	0.07	0.36	0.42	15.38	15.81	0.46	0.07	0.05	0.26	0.33	15.38	15.71	-2.12	-0.21	-0.17	-0.02	-0.10	-0.01
Eco6_180	180	Low	10	561557	317960	0.39	0.06	0.06	0.31	0.37	15.38	15.75	0.45	0.06	0.05	0.26	0.32	15.38	15.71	-2.11	-0.21	-0.15	-0.02	-0.04	0.00
Eco6_190	190	Low	10	561552	317951	0.38	0.05	0.06	0.31	0.37	15.38	15.75	0.43	0.06	0.04	0.21	0.27	15.38	15.65	-2.11	-0.21	-0.19	-0.02	-0.10	-0.01
Eco6_196	196	Low	10	561549	317946	0.37	0.05	0.06	0.31	0.36	15.38	15.75	0.42	0.06	0.04	0.21	0.27	15.38	15.65	-2.10	-0.21	-0.18	-0.02	-0.10	-0.01
Eco8_200	200	Tall	5	565733	321571	0.43	0.12	0.06	0.49	0.61	27.60	28.21	0.50	0.14	0.05	0.37	0.52	27.60	28.12	-3.75	-0.75	-0.25	-0.05	-0.09	-0.02
Eco8_120	120	Tall	5	565804	321534	0.66	0.19	0.11	0.82	1.01	27.60	28.61	0.75	0.22	0.08	0.62	0.84	27.60	28.44	-3.82	-0.76	-0.38	-0.08	-0.17	-0.03
Eco8_90	90	Tall	5	565831	321520	0.82	0.24	0.14	1.08	1.31	27.60	28.91	0.91	0.26	0.10	0.80	1.06	27.60	28.66	-3.88	-0.78	-0.48	-0.10	-0.25	-0.05
Eco8_100	100	Tall	5	565822	321524	0.76	0.22	0.13	0.97	1.19	27.60	28.79	0.85	0.24	0.09	0.74	0.98	27.60	28.58	-3.86	-0.77	-0.44	-0.09	-0.21	-0.04
Eco8_70	70	Tall	5	565848	321510	0.99	0.29	0.17	1.34	1.63	27.60	29.23	1.09	0.31	0.13	0.98	1.30	27.60	28.90	-3.96	-0.79	-0.60	-0.12	-0.33	-0.07
Eco8_80	80	Tall	5	565839	321515	0.89	0.26	0.15	1.19	1.45	27.60	29.05	0.99	0.29	0.11	0.89	1.17	27.60	28.77	-3.91	-0.78	-0.53	-0.11	-0.28	-0.06
Eco8_190	190	Tall	5	565742	321566	0.45	0.13	0.07	0.51	0.64	27.60	28.24	0.52	0.15	0.05	0.40	0.54	27.60	28.14	-3.76	-0.75	-0.26	-0.05	-0.10	-0.02
Eco8_170	170	Tall	5	565760	321557	0.50	0.14	0.07	0.58	0.72	27.60	28.32	0.56	0.16	0.06	0.44	0.61	27.60	28.21	-3.77	-0.75	-0.29	-0.06	-0.12	-0.02
Eco8_180	180	Tall	5	565751	321562	0.47	0.14	0.07	0.54	0.68	27.60	28.28	0.54	0.16	0.05	0.42	0.57	27.60	28.17	-3.77	-0.75	-0.27	-0.05	-0.11	-0.02
Eco8_150	150	Tall	5	565777	321548	0.55	0.16	0.08	0.66	0.82	27.60	28.42	0.63	0.18	0.06	0.50	0.69	27.60	28.29	-3.79	-0.76	-0.31	-0.06	-0.13	-0.03
Eco8_160	160	Tall	5	565769	321552	0.52	0.15	0.08	0.62	0.77	27.60	28.37	0.60	0.17	0.06	0.47	0.64	27.60	28.24	-3.78	-0.76	-0.30	-0.06	-0.12	-0.02
Eco8_50	50	Tall	5	565866	321501	1.25	0.36	0.23	1.79	2.15	27.60	29.75	1.33	0.38	0.16	1.27	1.65	27.60	29.25	-4.10	-0.82	-0.82	-0.16	-0.50	-0.10
Eco8_60	60	Tall	5	565857	321506	1.10	0.32	0.20	1.53	1.85	27.60	29.45	1.19	0.34	0.14	1.11	1.45	27.60	29.05	-4.02	-0.80	-0.70	-0.14	-0.40	-0.08
Eco8_30	30	Tall	5	565884	321492	1.79	0.52	0.35	2.75	3.27	27.60	30.87	1.80	0.52	0.24	1.83	2.35	27.60	29.95	-4.47	-0.89	-1.35	-0.27	-0.92	-0.18
Eco8_40	40	Tall	5	565875	321496	1.46	0.42	0.28	2.16	2.58	27.60	30.18	1.52	0.44	0.19	1.49	1.93	27.60	29.53	-4.24	-0.85	-1.02	-0.20	-0.65	-0.13
Eco8_10	10	Tall	5	565901	321482	3.87	1.11	0.87	6.77	7.88	27.60	35.48	3.55	1.02	0.53	4.09	5.11	27.60	32.71	-6.00	-1.20	-3.57	-0.71	-2.77	-0.55
Eco8_20	20	Tall	5	565893	321487	2.39	0.69	0.50	3.87	4.56	27.60	32.16	2.31	0.67	0.32	2.46	3.13	27.60	30.73	-4.90	-0.98	-1.98	-0.40	-1.43	-0.29
Eco8_130	130	Tall	5	565795	321538	0.62	0.18	0.10	0.76	0.94	27.60	28.54	0.71	0.20	0.07	0.58	0.78	27.60	28.38	-3.80	-0.76	-0.35	-0.07	-0.15	-0.03
Eco8_140	140	Tall	5	565786	321543	0.58	0.17	0.09	0.70	0.87	27.60	28.47	0.66	0.19	0.07	0.54	0.73	27.60	28.33	-3.79	-0.76	-0.33	-0.07	-0.14	-0.03
Eco8_110	110	Tall	5	565813	321529	0.71	0.20	0.11	0.89	1.09	27.60	28.69	0.79	0.23	0.09	0.68	0.90	27.60	28.50	-3.84	-0.77	-0.40	-0.08	-0.19	-0.04
Eco12_180	180	Tall	5	566019	322038	0.49	0.14	0.07	0.56	0.70	27.73	28.44	0.55	0.16	0.06	0.43	0.59	27.73	28.32	-3.78	-0.76	-0.27	-0.05	-0.11	-0.02
Eco11_172	172	Tall	5	565989	321968	0.50	0.14	0.08	0.59	0.73	27.60	28.33	0.57	0.16	0.06	0.45	0.62	27.60	28.22	-3.76	-0.75	-0.28	-0.06	-0.12	-0.02
Eco10_162	162	Tall	5	565959	321898	0.52	0.15	0.08	0.62	0.77	27.60	28.37	0.60	0.17	0.06	0.48	0.65	27.60	28.25	-3.77	-0.75	-0.29	-0.06	-0.12	-0.02
Eco9_120	120	Tall	5	565779	321488	0.65	0.19	0.10	0.81	1.00	27.60	28.60	0.74	0.21	0.08	0.62	0.83	27.60	28.43	-3.82	-0.76	-0.37	-0.07	-0.17	-0.03