A1 in Northumberland: Morpeth to Ellingham

Scheme Number: TR010041

6.7 Environmental Statement – Appendix 5.6 Operational Impacts - Ecological Receptors

Part A

APFP Regulation 5(2)(a)

Planning Act 2008

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

June 2020

Infrastructure Planning

Planning Act 2008

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

The A1 in Northumberland: Morpeth to Ellingham

Development Consent Order 20[xx]

Environmental Statement - Appendix

Regulation Reference:	APFP Regulation 5(2)(a)
Planning Inspectorate Scheme Reference	TR010041
Application Document Reference	TR010041/APP/6.7
Author:	A1 in Northumberland: Morpeth to Ellingham Project Team, Highways England

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TABLES

OPERATIONAL IMPACTS – ECOLOGICAL RECEPTORS

Table 5-1 - Annual Mean NO_x concentrations (µg/m^3)

Transect Receptor	Distance from Road Edge (m)	Baseline 2015	Do-minimum 2023	Do-Something 2023
Eco5_AW_0	0	17	11	11.5
Eco5_AW_5	5	16.3	10.7	11.1
Eco5_AW_10	10	15.8	10.3	10.7
Eco5_AW_15	15	15.4	10.1	10.4
Eco5_AW_20	20	15	9.9	10.2
Eco5_AW_25	25	14.7	9.7	10
Eco5_AW_30	30	14.5	9.6	9.8
Eco5_AW_35	35	14.3	9.5	9.7
Eco5_AW_40	40	14.2	9.4	9.6
Eco5_AW_45	45	14	9.3	9.5
Eco5_AW_50	50	13.9	9.2	9.4
Eco5_AW_60	60	13.7	9.1	9.3
Eco5_AW_70	70	13.6	9	9.2
Eco5_AW_80	80	13.5	8.9	9.1
Eco5_AW_90	90	13.4	8.9	9.1
Eco5_AW_100	100	13.3	8.9	9
Eco5_AW_110	110	13.2	8.8	9
Eco5_AW_120	120	13.2	8.8	8.9
Eco5_AW_130	130	13.2	8.8	8.9
Eco5_AW_140	140	13.1	8.7	8.9
Eco5_AW_150	150	13.1	8.7	8.9
Eco5_AW_160	160	13.1	8.7	8.8
Eco5_AW_170	170	13.1	8.7	8.8
Eco5_AW_180	180	13.1	8.7	8.8
Eco4_AW_0	0	14.1	9.3	9.6
Eco4_AW_5	5	14	9.3	9.5
Eco4_AW_10	10	13.9	9.2	9.5
Eco4_AW_15	15	13.9	9.2	9.4
Eco4_AW_20	20	13.8	9.2	9.4
Eco4_AW_25	25	13.7	9.1	9.3

Transect Receptor	Distance from Road Edge (m)	Baseline 2015	Do-minimum 2023	Do-Something 2023
Eco4_AW_30	30	13.7	9.1	9.3
Eco4_AW_35	35	13.6	9	9.2
Eco4_AW_40	40	13.5	9	9.2
Eco4_AW_45	45	13.5	9	9.2
Eco4_AW_50	50	13.4	8.9	9.1
Eco4_AW_60	60	13.3	8.9	9.1
Eco4_AW_70	70	13.3	8.8	9
Eco1W_SSSI_0	0	45.9	33.4	31.9
Eco1W_SSSI_5	5	32.1	23.1	23.3
Eco1W_SSSI_10	10	25.5	18.3	18.7
Eco1W_SSSI_15	15	21.7	15.5	16.1
Eco1W_SSSI_20	20	19.2	13.6	14.3
Eco1W_SSSI_25	25	17.4	12.3	13.1
Eco1W_SSSI_30	30	16.1	11.3	12.1
Eco1W_SSSI_35	35	15.0	10.5	11.3
Eco1W_SSSI_40	40	14.2	9.9	10.7
Eco1W_SSSI_45	45	13.5	9.5	10.2
Eco1W_SSSI_50	50	13.0	9.0	9.7
Eco1W_SSSI_60	60	12.1	8.4	9.1
Eco1W_SSSI_70	70	11.5	7.9	8.5
Eco1W_SSSI_80	80	11.0	7.6	8.1
Eco1W_SSSI_90	90	10.6	7.3	7.8
Eco1W_SSSI_100	100	10.2	7.0	7.5
Eco1W_SSSI_110	110	10.0	6.8	7.3
Eco1W_SSSI_120	120	9.7	6.7	7.1
Eco1W_SSSI_130	130	9.6	6.5	6.9
Eco1W_SSSI_140	140	9.4	6.4	6.8
Eco1W_SSSI_150	150	9.2	6.3	6.6
Eco1W_SSSI_160	160	9.1	6.2	6.5
Eco1W_SSSI_170	170	9.0	6.1	6.4
Eco1W_SSSI_180	180	8.9	6.0	6.3
Eco1W_SSSI_190	190	8.8	6.0	6.3
Eco1W_SSSI_200	200	8.7	5.9	6.2

Transect Receptor	Distance from Road Edge (m)	Baseline 2015	Do-minimum 2023	Do-Something 2023
Eco1E_SSSI_0	0	30.7	22.1	48.9
Eco1E_SSSI_5	5	27.2	19.5	35.5
Eco1E_SSSI_10	10	24.5	17.5	28.6
Eco1E_SSSI_15	15	22.5	16.0	24.3
Eco1E_SSSI_20	20	20.8	14.8	21.5
Eco1E_SSSI_25	25	19.5	13.8	19.3
Eco1E_SSSI_30	30	18.4	13.0	17.7
Eco1E_SSSI_35	35	17.5	12.4	16.4
Eco1E_SSSI_40	40	16.8	11.8	15.4
Eco1E_SSSI_45	45	16.1	11.3	14.5
Eco1E_SSSI_50	50	15.5	10.9	13.8
Eco1E_SSSI_60	60	14.6	10.2	12.6
Eco1E_SSSI_70	70	13.8	9.7	11.7
Eco1E_SSSI_80	80	13.2	9.2	11.0
Eco1E_SSSI_90	90	12.7	8.8	10.4
Eco1E_SSSI_100	100	12.3	8.5	9.9
Eco1E_SSSI_110	110	11.9	8.3	9.5
Eco1E_SSSI_120	120	11.6	8.0	9.2
Eco1E_SSSI_130	130	11.3	7.8	8.9
Eco1E_SSSI_140	140	11.1	7.7	8.6
Eco1E_SSSI_150	150	10.9	7.5	8.4
Eco1E_SSSI_160	160	10.7	7.3	8.2
Eco1E_SSSI_170	170	10.5	7.2	8.0
Eco1E_SSSI_180	180	10.3	7.1	7.9
Eco1E_SSSI_190	190	10.2	7.0	7.7
Eco1E_SSSI_200	200	10.1	6.9	7.6
Eco8_AW_0	0	127.6	95.7	99.2
Eco8_AW_5	5	83.4	62.1	64.3
Eco8_AW_10	10	64.3	47.6	49.2
Eco8_AW_15	15	53.4	39.4	40.6
Eco8_AW_20	20	46.4	34	35.1
Eco8_AW_25	25	41.4	30.2	31.1
Eco8_AW_30	30	37.7	27.4	28.2

Transect Receptor	Distance from Road Edge (m)	Baseline 2015	Do-minimum 2023	Do-Something 2023
Eco8_AW_35	35	34.8	25.2	25.9
Eco8_AW_40	40	32.5	23.5	24.1
Eco8_AW_45	45	30.5	22	22.6
Eco8_AW_50	50	28.9	20.8	21.3
Eco8_AW_60	60	26.4	18.9	19.3
Eco8_AW_70	70	24.5	17.5	17.9
Eco8_AW_80	80	23.1	16.4	16.7
Eco8_AW_90	90	21.9	15.5	15.8
Eco8_AW_100	100	20.9	14.7	15
Eco8_AW_110	110	20.1	14.1	14.4
Eco8_AW_120	120	19.4	13.6	13.9
Eco8_AW_130	130	18.9	13.2	13.4
Eco8_AW_140	140	18.3	12.8	13
Eco8_AW_150	150	17.9	12.5	12.7
Eco8_AW_160	160	17.5	12.2	12.4
Eco8_AW_170	170	17.1	11.9	12.1
Eco8_AW_180	180	16.8	11.7	11.8
Eco8_AW_190	190	16.5	11.5	11.6
Eco8_AW_200	200	16.3	11.3	11.4
Eco3_AW_0	0	15.3	10.5	10.8
Eco3_AW_5	5	14.8	10.1	10.5
Eco3_AW_10	10	14.5	9.9	10.2
Eco3_AW_15	15	14.1	9.6	9.9
Eco3_AW_20	20	13.9	9.4	9.7
Eco3_AW_25	25	13.6	9.3	9.5
Eco3_AW_30	30	13.4	9.1	9.4
Eco3_AW_35	35	13.2	9	9.2
Eco3_AW_40	40	13.1	8.9	9.1
Eco3_AW_45	45	12.9	8.8	9
Eco3_AW_50	50	12.8	8.7	8.9
Eco3_AW_60	60	12.6	8.5	8.7
Eco3_AW_70	70	12.4	8.4	8.5
Eco3_AW_80	80	12.2	8.3	8.4

Transect Receptor	Distance from Road Edge (m)	Baseline 2015	Do-minimum 2023	Do-Something 2023
Eco3_AW_90	90	12.1	8.2	8.3
Eco3_AW_100	100	12	8.1	8.2
Eco3_AW_110	110	11.8	8	8.1
Eco3_AW_120	120	11.8	7.9	8.1
Eco3_AW_130	130	11.7	7.9	8
Eco3_AW_140	140	11.6	7.8	7.9
Eco3_AW_150	150	11.5	7.8	7.9
Eco6_AW_0	0	12.6	9	9.2
Eco7E_AW_0	0	79.1	65.4	71
Eco7E_AW_5	5	52.9	43	46.5
Eco7E_AW_10	10	41.6	33.3	35.9
Eco7E_AW_15	15	35	27.7	29.8
Eco7E_AW_20	20	30.7	24.1	25.8
Eco7E_AW_25	25	27.7	21.6	23
Eco7E_AW_30	30	25.5	19.6	20.9
Eco7E_AW_35	35	23.7	18.1	19.2
Eco7E_AW_40	40	22.3	16.9	17.9
Eco7E_AW_45	45	21.1	16	16.9
Eco7E_AW_50	50	20.1	15.2	16
Eco7E_AW_60	60	18.6	13.9	14.6
Eco7E_AW_70	70	17.4	12.9	13.5
Eco7E_AW_80	80	16.5	12.2	12.7
Eco7E_AW_90	90	15.8	11.6	12.1
Eco7E_AW_100	100	15.2	11.1	11.6
Eco7E_AW_110	110	14.8	10.7	11.1
Eco7E_AW_120	120	14.3	10.4	10.8
Eco7E_AW_130	130	14	10.1	10.4
Eco7E_AW_140	140	13.7	9.8	10.2
Eco7E_AW_150	150	13.4	9.6	9.9
Eco7E_AW_160	160	13.2	9.4	9.7
Eco7E_AW_170	170	13	9.2	9.5
Eco7E_AW_180	180	12.8	9.1	9.4
Eco7E_AW_190	190	12.6	8.9	9.2

Transect Receptor	Distance from Road Edge (m)	Baseline 2015	Do-minimum 2023	Do-Something 2023
Eco7E_AW_200	200	12.5	8.8	9.1
Eco7W_AW_0	0	53.1	42.7	46.3
Eco7W_AW_5	5	33.6	26.4	28.3
Eco7W_AW_10	10	26.5	20.5	21.8
Eco7W_AW_15	15	22.7	17.3	18.3
Eco7W_AW_20	20	20.2	15.2	16
Eco7W_AW_25	25	18.5	13.8	14.5
Eco7W_AW_30	30	17.2	12.7	13.3
Eco7W_AW_35	35	16.2	11.9	12.5
Eco7W_AW_40	40	15.4	11.3	11.7
Eco7W_AW_45	45	14.8	10.8	11.2
Eco7W_AW_50	50	14.3	10.3	10.7
Eco7W_AW_60	60	13.4	9.6	10
Eco7W_AW_70	70	12.8	9.1	9.4
Eco7W_AW_80	80	12.3	8.7	9
Eco7W_AW_90	90	11.9	8.4	8.7
Eco7W_AW_100	100	11.6	8.2	8.4
Eco7W_AW_110	110	11.3	8	8.1
Eco7W_AW_120	120	11.1	7.8	8
Eco7W_AW_130	130	10.9	7.6	7.8
Eco7W_AW_140	140	10.8	7.5	7.6
Eco7W_AW_150	150	10.6	7.4	7.5
Eco7W_AW_160	160	10.5	7.3	7.4
Eco7W_AW_170	170	10.4	7.2	7.3
Eco7W_AW_180	180	10.3	7.1	7.2
Eco7W_AW_190	190	10.2	7	7.1
Eco7W_AW_200	200	10.1	7	7.1
Eco2_SSSI_0	0	26.9	19.2	15.5
Eco2_SSSI_5	5	16.8	11.8	10.1
Eco2_SSSI_10	10	13.6	9.5	8.4
Eco2_SSSI_15	15	12	8.3	7.5
Eco2_SSSI_20	20	11	7.6	7
Eco2_SSSI_25	25	10.4	7.1	6.6

Transect Receptor	Distance from Road Edge (m)	Baseline 2015	Do-minimum 2023	Do-Something 2023
Eco2_SSSI_30	30	9.9	6.8	6.4
Eco2_SSSI_35	35	9.6	6.5	6.2
Eco2_SSSI_40	40	9.3	6.3	6
Eco2_SSSI_45	45	9.1	6.2	5.9
Eco2_SSSI_50	50	8.9	6	5.8
Eco2_SSSI_60	60	8.6	5.8	5.7
Eco2_SSSI_70	70	8.4	5.7	5.6
Eco2_SSSI_80	80	8.3	5.6	5.5
Eco2_SSSI_90	90	8.2	5.5	5.4
Eco2_SSSI_100	100	8.1	5.4	5.4
Eco2_SSSI_110	110	8	5.4	5.3
Eco2_SSSI_120	120	7.9	5.3	5.3
Eco2_SSSI_130	130	7.9	5.3	5.2
Eco2_SSSI_140	140	7.8	5.3	5.2
Eco2_SSSI_150	150	7.8	5.2	5.2
Eco2_SSSI_160	160	7.7	5.2	5.2
Eco2_SSSI_170	170	7.7	5.2	5.1
Eco2_SSSI_180	180	7.7	5.2	5.1
Eco2_SSSI_190	190	7.6	5.1	5.1
Eco2_SSSI_200	200	7.6	5.1	5.1
Eco9E_SSSI_0	0	38.5	28.2	21.6
Eco9E_SSSI_5	5	24.5	17.7	14.1
Eco9E_SSSI_10	10	19	13.6	11.2
Eco9E_SSSI_15	15	16.1	11.4	9.6
Eco9E_SSSI_20	20	14.3	10.1	8.7
Eco9E_SSSI_25	25	13.1	9.2	8
Eco9E_SSSI_30	30	12.2	8.5	7.5
Eco9E_SSSI_35	35	11.5	8	7.2
Eco9E_SSSI_40	40	11	7.6	6.9
Eco9E_SSSI_45	45	10.6	7.3	6.7
Eco9E_SSSI_50	50	10.2	7.1	6.5
Eco9E_SSSI_55	55	9.9	6.9	6.3
Eco9E_SSSI_60	60	9.7	6.7	6.2

Transect Receptor	Distance from Road Edge (m)	Baseline 2015	Do-minimum 2023	Do-Something 2023
Eco9E_SSSI_65	65	9.5	6.5	6.1
Eco9E_SSSI_70	70	9.3	6.4	6
Eco9E_SSSI_75	75	9.1	6.3	5.9
Eco9E_SSSI_80	80	9	6.2	5.8
Eco9E_SSSI_85	85	8.9	6.1	5.7
Eco9E_SSSI_90	90	8.8	6	5.7
Eco9E_SSSI_95	95	8.7	5.9	5.6
Eco9E_SSSI_100	100	8.6	5.9	5.6
Eco9E_SSSI_110	110	8.4	5.7	5.5
Eco9E_SSSI_120	120	8.4	5.7	5.5
Eco9E_SSSI_130	130	8.3	5.6	5.4
Eco9E_SSSI_140	140	8.2	5.6	5.4
Eco9E_SSSI_150	150	8.1	5.5	5.3
Eco9E_SSSI_160	160	8	5.4	5.3
Eco9E_SSSI_170	170	7.9	5.4	5.2
Eco9E_SSSI_180	180	7.9	5.3	5.2
Eco9E_SSSI_190	190	7.8	5.3	5.2
Eco9W_SSSI_0	0	26.1	18.8	15
Eco9W_SSSI_5	5	16.3	11.5	9.8
Eco9W_SSSI_10	10	13.1	9.2	8.1
Eco9W_SSSI_15	15	11.5	8	7.2
Eco9W_SSSI_20	20	10.6	7.3	6.7
Eco9W_SSSI_25	25	9.9	6.8	6.3
Eco9W_SSSI_30	30	9.4	6.5	6
Eco9W_SSSI_35	35	9.1	6.2	5.9
Eco9W_SSSI_40	40	8.8	6	5.7
Eco9W_SSSI_45	45	8.6	5.9	5.6
Eco9W_SSSI_50	50	8.4	5.7	5.5
Eco9W_SSSI_55	55	8.3	5.6	5.4
Eco9W_SSSI_60	60	8.1	5.5	5.3
Eco9W_SSSI_65	65	8	5.5	5.3
Eco9W_SSSI_70	70	7.9	5.4	5.2
Eco9W_SSSI_75	75	7.9	5.3	5.2

Transect Receptor	Distance from Road Edge (m)	Baseline 2015	Do-minimum 2023	Do-Something 2023
Eco9W_SSSI_80	80	7.8	5.3	5.1
Eco9W_SSSI_85	85	7.7	5.2	5.1
Eco9W_SSSI_90	90	7.7	5.2	5.1
Eco9W_SSSI_95	95	7.6	5.2	5
Eco10_0	0	39.7	28.9	21.9
Eco10_5	5	26	18.6	14.9
Eco10_10	10	21	14.8	12.3
Eco10_15	15	18.3	12.8	10.9
Eco10_20	20	16.7	11.6	10
Eco10_25	25	15.6	10.7	9.4
Eco10_30	30	14.8	10.1	9
Eco10_35	35	14.1	9.6	8.6
Eco10_40	40	13.6	9.2	8.4
Eco10_45	45	13.2	8.9	8.1
Eco10_50	50	12.8	8.6	8
Eco10_55	55	12.5	8.4	7.8
Eco10_60	60	12.3	8.2	7.7
Eco10_65	65	12	8.1	7.5
Eco10_70	70	11.8	7.9	7.4
Eco10_75	75	11.6	7.8	7.3
Eco10_80	80	11.5	7.7	7.2
Eco10_85	85	11.3	7.6	7.2
Eco10_90	90	11.2	7.5	7.1
Eco10_95	95	11.1	7.4	7
Eco10_100	100	11	7.3	7
Eco10_110	110	10.8	7.2	6.9
Eco10_120	120	10.7	7.1	6.8
Eco10_130	130	10.6	7	6.8
Eco10_140	140	10.6	7	6.7
Eco10_150	150	10.6	7	6.8
Eco10_160	160	10.7	7	6.8
Eco10_170	170	10.9	7.1	6.9
Eco10_180	180	11.3	7.2	7

Transect Receptor	Distance from Road Edge (m)	Baseline 2015	Do-minimum 2023	Do-Something 2023
Eco10_190	190	11.2	7.1	6.9
Eco10_200	200	10.9	7	6.8
Eco11_0	0	12.4	8.7	7.6
Eco11_5	5	11.7	8.1	7.2
Eco11_10	10	11.1	7.7	6.9
Eco11_15	15	10.7	7.4	6.7
Eco11_20	20	10.3	7.1	6.5
Eco11_25	25	10	6.9	6.3
Eco11_30	30	9.8	6.7	6.2
Eco11_35	35	9.5	6.6	6.1
Eco11_40	40	9.4	6.4	6
Eco11_45	45	9.2	6.3	5.9
Eco11_50	50	9	6.2	5.8
Eco11_55	55	8.9	6.1	5.7
Eco11_60	60	8.8	6	5.7
Eco11_65	65	8.7	5.9	5.6
Eco11_70	70	8.6	5.9	5.6
Eco11_75	75	8.5	5.8	5.5
Eco11_80	80	8.4	5.8	5.5
Eco11_85	85	8.4	5.7	5.4
Eco11_90	90	8.3	5.7	5.4
Eco11_95	95	8.2	5.6	5.4
Eco11_100	100	8.2	5.6	5.3
Eco11_110	110	8.1	5.5	5.3
Eco11_120	120	8	5.4	5.2
Eco11_130	130	7.9	5.4	5.2
Eco11_140	140	8	5.4	5.2
Eco11_150	150	7.9	5.4	5.2
Eco11_160	160	7.8	5.3	5.2
Eco11_170	170	7.8	5.3	5.1
Eco11_180	180	7.7	5.2	5.1
Eco11_190	190	7.7	5.2	5.1
Eco11_200	200	7.7	5.2	5.1

Transect Receptor	Distance from Road Edge (m)	Baseline 2015	Do-minimum 2023	Do-Something 2023
Eco12E_0	0	48.4	35.8	29.1
Eco12E_5	5	30.2	22	18.6
Eco12E_10	10	23.2	16.8	14.5
Eco12E_15	15	19.5	14	12.4
Eco12E_20	20	17.2	12.3	11
Eco12E_25	25	15.7	11.1	10.1
Eco12E_30	30	14.6	10.3	9.5
Eco12E_35	35	13.8	9.7	9
Eco12E_40	40	13.2	9.2	8.6
Eco12E_45	45	12.7	8.9	8.3
Eco12E_50	50	12.3	8.5	8.1
Eco12E_55	55	11.9	8.3	7.9
Eco12E_60	60	11.6	8.1	7.7
Eco12E_65	65	11.4	7.9	7.5
Eco12E_70	70	11.2	7.7	7.4
Eco12E_75	75	11	7.6	7.3
Eco12E_80	80	10.8	7.5	7.2
Eco12E_85	85	10.7	7.4	7.1
Eco12E_90	90	10.5	7.3	7
Eco12E_95	95	10.4	7.2	7
Eco12E_100	100	10.3	7.1	6.9
Eco12E_110	110	10.1	7	6.8
Eco12E_120	120	10	6.8	6.7
Eco12E_130	130	9.8	6.7	6.6
Eco12E_140	140	9.7	6.6	6.5
Eco12E_150	150	9.6	6.6	6.5
Eco12E_160	160	9.5	6.5	6.4
Eco12E_170	170	9.4	6.4	6.4
Eco12E_180	180	9.4	6.4	6.3
Eco12E_190	190	9.3	6.3	6.3
Eco12E_200	200	9.2	6.3	6.2
Eco12W_0	0	35.7	26.2	21.8
Eco12W_5	5	23.4	16.9	14.7

Transect Receptor	Distance from Road Edge (m)	Baseline 2015	Do-minimum 2023	Do-Something 2023
Eco12W_10	10	19.4	13.9	12.4
Eco12W_15	15	17.5	12.4	11.2
Eco12W_20	20	16.3	11.5	10.5
Eco12W_25	25	15.5	10.9	10.1
Eco12W_30	30	14.9	10.5	9.7
Eco12W_35	35	14.5	10.1	9.5
Eco12W_40	40	14.1	9.9	9.3
Eco12W_45	45	13.8	9.6	9.1
Eco12W_50	50	13.5	9.4	8.9
Eco12W_55	55	13.3	9.2	8.8
Eco12W_60	60	13.1	9.1	8.7
Eco12W_65	65	12.9	8.9	8.5
Eco12W_70	70	12.7	8.8	8.4
Eco12W_75	75	12.5	8.7	8.3
Eco12W_80	80	12.3	8.5	8.2
Eco12W_85	85	12.1	8.4	8.1
Eco12W_90	90	11.9	8.2	8
Eco12W_95	95	11.7	8.1	7.8
Eco12W_100	100	11.5	8	7.7
Eco12W_110	110	11.2	7.7	7.5
Eco13	0	10.3	7.1	6.8
Eco14	0	7.1	4.8	4.7
Eco15	0	15.8	10.7	10.8
Eco16	0	13.4	9.4	8.8
Eco17W_0	0	46.4	34.8	36
Eco17W_5	5	26.4	19.4	20
Eco17W_10	10	19.9	14.5	14.8
Eco17W_15	15	16.6	11.9	12.2
Eco17W_20	20	14.5	10.4	10.6
Eco17W_25	25	13.1	9.3	9.5
Eco17W_30	30	12.2	8.6	8.7
Eco17W_35	35	11.4	8	8.2
Eco17W_40	40	10.9	7.6	7.7

Transect Receptor	Distance from Road Edge (m)	Baseline 2015	Do-minimum 2023	Do-Something 2023
Eco17W_45	45	10.4	7.3	7.4
Eco17W_50	50	10	7	7.1
Eco17W_55	55	9.7	6.7	6.8
Eco17W_60	60	9.5	6.5	6.6
Eco17W_65	65	9.2	6.4	6.5
Eco17W_70	70	9	6.2	6.3
Eco17W_75	75	8.9	6.1	6.2
Eco17W_80	80	8.7	6	6.1
Eco17W_85	85	8.6	5.9	6
Eco17W_90	90	8.5	5.8	5.9
Eco17W_95	95	8.4	5.7	5.8
Eco17W_100	100	8.3	5.7	5.7
Eco17W_110	110	8.1	5.5	5.6
Eco17W_120	120	8	5.4	5.5
Eco17W_130	130	7.8	5.3	5.4
Eco17W_140	140	7.7	5.3	5.3
Eco17W_150	150	7.7	5.2	5.2
Eco17W_160	160	7.6	5.1	5.2
Eco17W_170	170	7.5	5.1	5.1
Eco17W_180	180	7.4	5	5.1
Eco17W_190	190	7.4	5	5
Eco17W_200	200	7.3	5	5
Eco18E_0	0	68.1	50.9	55.5
Eco18E_5	5	43.3	32.1	34.8
Eco18E_10	10	33.7	24.7	26.7
Eco18E_15	15	28.3	20.7	22.2
Eco18E_20	20	24.8	18	19.3
Eco18E_25	25	22.3	16.2	17.2
Eco18E_30	30	20.5	14.8	15.7
Eco18E_35	35	19.1	13.7	14.5
Eco18E_40	40	17.9	12.8	13.6
Eco18E_45	45	17	12.1	12.8
Eco18E_50	50	16.2	11.5	12.2

Transect Receptor	Distance from Road Edge (m)	Baseline 2015	Do-minimum 2023	Do-Something 2023
Eco18E_55	55	15.6	11	11.6
Eco18E_60	60	15	10.6	11.2
Eco18E_65	65	14.5	10.3	10.7
Eco18E_70	70	14.1	9.9	10.4
Eco18E_75	75	13.7	9.6	10.1
Eco18E_80	80	13.4	9.4	9.8
Eco18E_85	85	13.1	9.2	9.6
Eco18E_90	90	12.8	9	9.3
Eco18E_95	95	12.5	8.8	9.1
Eco18E_100	100	12.3	8.6	8.9
Eco18E_110	110	11.9	8.3	8.6
Eco18E_120	120	11.6	8.1	8.3
Eco18E_130	130	11.3	7.8	8.1
Eco18E_140	140	11	7.6	7.9
Eco18E_150	150	10.8	7.5	7.7
Eco18E_160	160	10.6	7.3	7.6
Eco18E_170	170	10.4	7.2	7.4
Eco18E_180	180	10.3	7.1	7.3
Eco18E_190	190	10.1	7	7.2
Eco18E_200	200	10	6.9	7.1
Eco18W_0	0	64	47.9	52.2
Eco18W_5	5	39.3	29.1	31.4
Eco18W_10	10	30.3	22.2	23.9
Eco18W_15	15	25.3	18.4	19.7
Eco18W_20	20	22.2	16	17.1
Eco18W_25	25	20	14.4	15.3
Eco18W_30	30	18.3	13.1	13.9
Eco18W_35	35	17.1	12.2	12.9
Eco18W_40	40	16.1	11.4	12
Eco18W_45	45	15.3	10.8	11.4
Eco18W_50	50	14.6	10.3	10.8
Eco18W_55	55	14	9.9	10.3
Eco18W_60	60	13.5	9.5	9.9

Transect Receptor	Distance from Road Edge (m)	Baseline 2015	Do-minimum 2023	Do-Something 2023
Eco18W_65	65	13.1	9.2	9.6
Eco18W_70	70	12.7	8.9	9.3
Eco18W_75	75	12.4	8.7	9
Eco18W_80	80	12.1	8.5	8.8
Eco18W_85	85	11.9	8.3	8.6
Eco18W_90	90	11.7	8.1	8.4
Eco18W_95	95	11.4	8	8.2
Eco18W_100	100	11.3	7.8	8.1
Eco18W_110	110	10.9	7.6	7.8
Eco18W_120	120	10.7	7.4	7.6
Eco18W_130	130	10.4	7.2	7.4
Eco18W_140	140	10.2	7	7.2
Eco18W_150	150	10	6.9	7.1
Eco18W_160	160	9.9	6.8	7
Eco18W_170	170	9.7	6.7	6.8
Eco18W_180	180	9.6	6.6	6.7
Eco18W_190	190	9.5	6.5	6.7
Eco18W_200	200	9.4	6.4	6.6
Eco19_0	0	61.7	43.8	47.9
Eco19_5	5	35.2	24.8	26.7
Eco19_10	10	27	18.9	20.2
Eco19_15	15	22.8	15.8	16.8
Eco19_20	20	20.2	14	14.7
Eco19_25	25	18.5	12.8	13.4
Eco19_30	30	17.2	11.9	12.4
Eco19_35	35	16.3	11.2	11.6
Eco19_40	40	15.6	10.7	11.1
Eco19_45	45	15	10.3	10.6
Eco19_50	50	14.5	9.9	10.2
Eco19_55	55	14.1	9.6	9.9
Eco19_60	60	13.8	9.4	9.7
Eco19_65	65	13.5	9.2	9.4
Eco19_70	70	13.2	9	9.2

Transect Receptor	Distance from Road Edge (m)	Baseline 2015	Do-minimum 2023	Do-Something 2023
Eco19_75	75	13	8.8	9.1
Eco19_80	80	12.8	8.7	8.9
Eco19_85	85	12.6	8.6	8.8
Eco19_90	90	12.5	8.5	8.6
Eco19_95	95	12.3	8.4	8.5
Eco19_100	100	12.2	8.3	8.4
Eco19_110	110	12	8.1	8.3
Eco19_120	120	11.8	8	8.1
Eco19_130	130	11.6	7.9	8
Eco19_140	140	11.5	7.8	7.9
Eco19_150	150	11.4	7.7	7.8
Eco19_160	160	11.3	7.6	7.7
Eco19_170	170	11.2	7.5	7.6
Eco19_180	180	11.1	7.5	7.6
Eco19_190	190	11	7.4	7.5
Eco19_200	200	10.9	7.4	7.5

Table 5-2 - Nitrogen Deposition Rate (kg N/ha/yr)

Transect Receptor	Distance from Road Edge (m)	Lower Critical Load for Most Sensitive Feature KgN/ha/yr	Baseline 2015	Do-minimum 2023	Do-Something 2023	% Change in total N Deposition compared to Lower Critical Load Do-Something
Eco5_AW_0	0	10	17.4	14.56	14.59	0.26%
Eco5_AW_5	5	10	17.36	14.54	14.56	0.24%
Eco5_AW_10	10	10	17.33	14.52	14.54	0.20%
Eco5_AW_15	15	10	17.31	14.5	14.52	0.18%
Eco5_AW_20	20	10	17.29	14.49	14.51	0.16%
Eco5_AW_25	25	10	17.27	14.48	14.49	0.15%
Eco5_AW_30	30	10	17.26	14.47	14.48	0.14%
Eco5_AW_35	35	10	17.25	14.46	14.48	0.13%
Eco5_AW_40	40	10	17.24	14.46	14.47	0.12%
Eco5_AW_45	45	10	17.23	14.45	14.46	0.11%
Eco5_AW_50	50	10	17.23	14.45	14.46	0.11%
Eco5_AW_60	60	10	17.22	14.44	14.45	0.10%
Eco5_AW_70	70	10	17.21	14.44	14.45	0.09%
Eco5_AW_80	80	10	17.2	14.43	14.44	0.09%
Eco5_AW_90	90	10	17.2	14.43	14.44	0.08%
Eco5_AW_100	100	10	17.19	14.43	14.43	0.08%
Eco5_AW_110	110	10	17.19	14.42	14.43	0.08%
Eco5_AW_120	120	10	17.19	14.42	14.43	0.06%
Eco5_AW_130	130	10	17.19	14.42	14.43	0.06%
Eco5_AW_140	140	10	17.19	14.42	14.42	0.06%
Eco5_AW_150	150	10	17.18	14.42	14.42	0.05%
Eco5_AW_160	160	10	17.18	14.42	14.42	0.05%
Eco5_AW_170	170	10	17.18	14.42	14.42	0.06%
Eco5_AW_180	180	10	17.18	14.42	14.42	0.05%
Eco4_AW_0	0	15	17.24	14.46	14.47	0.08%
Eco4_AW_5	5	15	17.23	14.45	14.46	0.08%
Eco4_AW_10	10	15	17.23	14.45	14.46	0.08%
Eco4_AW_15	15	15	17.23	14.45	14.46	0.08%
Eco4_AW_20	20	15	17.22	14.45	14.46	0.07%
Eco4_AW_25	25	15	17.22	14.44	14.45	0.07%
Eco4_AW_30	30	15	17.22	14.44	14.45	0.07%

Transect Receptor	Distance from Road Edge (m)	Lower Critical Load for Most Sensitive Feature KgN/ha/yr	Baseline 2015	Do-minimum 2023	Do-Something 2023	% Change in total N Deposition compared to Lower Critical Load Do-Something
Eco4_AW_35	35	15	17.21	14.44	14.45	0.07%
Eco4_AW_40	40	15	17.21	14.44	14.45	0.06%
Eco4_AW_45	45	15	17.21	14.43	14.44	0.06%
Eco4_AW_50	50	15	17.2	14.43	14.44	0.06%
Eco4_AW_60	60	15	17.2	14.43	14.44	0.06%
Eco4_AW_70	70	15	17.19	14.42	14.43	0.06%
Eco1W_SSSI_0	0	15	24.99	20.96	20.83	-0.83%
Eco1W_SSSI_5	5	15	24.32	20.40	20.38	-0.12%
Eco1W_SSSI_10	10	15	23.99	20.12	20.15	0.15%
Eco1W_SSSI_15	15	15	23.79	19.96	20.00	0.25%
Eco1W_SSSI_20	20	15	23.65	19.85	19.89	0.30%
Eco1W_SSSI_25	25	15	23.56	19.77	19.82	0.31%
Eco1W_SSSI_30	30	15	23.49	19.71	19.76	0.31%
Eco1W_SSSI_35	35	15	23.43	19.66	19.71	0.31%
Eco1W_SSSI_40	40	15	23.39	19.63	19.67	0.30%
Eco1W_SSSI_45	45	15	23.35	19.60	19.64	0.29%
Eco1W_SSSI_50	50	15	23.32	19.58	19.62	0.28%
Eco1W_SSSI_60	60	15	23.28	19.54	19.57	0.26%
Eco1W_SSSI_70	70	15	23.24	19.51	19.54	0.24%
Eco1W_SSSI_80	80	15	23.21	19.48	19.52	0.22%
Eco1W_SSSI_90	90	15	23.19	19.47	19.50	0.21%
Eco1W_SSSI_100	100	15	23.17	19.45	19.48	0.20%
Eco1W_SSSI_110	110	15	23.16	19.44	19.47	0.18%
Eco1W_SSSI_120	120	15	23.14	19.43	19.45	0.17%
Eco1W_SSSI_130	130	15	23.13	19.42	19.44	0.16%
Eco1W_SSSI_140	140	15	23.12	19.41	19.44	0.16%
Eco1W_SSSI_150	150	15	23.12	19.40	19.43	0.14%
Eco1W_SSSI_160	160	15	23.11	19.40	19.42	0.13%
Eco1W_SSSI_170	170	15	23.10	19.39	19.41	0.13%
Eco1W_SSSI_180	180	15	23.10	19.39	19.41	0.13%
Eco1W_SSSI_190	190	15	23.09	19.38	19.40	0.11%
Eco1W_SSSI_200	200	15	23.09	19.38	19.40	0.11%

Transect Receptor	Distance from Road Edge (m)	Lower Critical Load for Most Sensitive Feature KgN/ha/yr	Baseline 2015	Do-minimum 2023	Do-Something 2023	% Change in total N Deposition compared to Lower Critical Load Do-Something
Eco1E_SSSI_0	0	15	24.25	20.34	21.79	9.65%
Eco1E_SSSI_5	5	15	24.07	20.19	21.08	5.94%
Eco1E_SSSI_10	10	15	23.94	20.08	20.71	4.17%
Eco1E_SSSI_15	15	15	23.83	19.99	20.47	3.17%
Eco1E_SSSI_20	20	15	23.74	19.92	20.30	2.55%
Eco1E_SSSI_25	25	15	23.67	19.86	20.18	2.11%
Eco1E_SSSI_30	30	15	23.62	19.82	20.09	1.81%
Eco1E_SSSI_35	35	15	23.57	19.78	20.01	1.57%
Eco1E_SSSI_40	40	15	23.53	19.74	19.95	1.39%
Eco1E_SSSI_45	45	15	23.49	19.71	19.90	1.25%
Eco1E_SSSI_50	50	15	23.46	19.69	19.86	1.13%
Eco1E_SSSI_60	60	15	23.41	19.64	19.79	0.94%
Eco1E_SSSI_70	70	15	23.37	19.61	19.73	0.80%
Eco1E_SSSI_80	80	15	23.34	19.58	19.69	0.70%
Eco1E_SSSI_90	90	15	23.31	19.56	19.66	0.62%
Eco1E_SSSI_100	100	15	23.28	19.54	19.63	0.55%
Eco1E_SSSI_110	110	15	23.26	19.53	19.60	0.50%
Eco1E_SSSI_120	120	15	23.25	19.51	19.58	0.46%
Eco1E_SSSI_130	130	15	23.23	19.50	19.56	0.43%
Eco1E_SSSI_140	140	15	23.22	19.49	19.55	0.39%
Eco1E_SSSI_150	150	15	23.21	19.48	19.53	0.37%
Eco1E_SSSI_160	160	15	23.20	19.47	19.52	0.35%
Eco1E_SSSI_170	170	15	23.19	19.46	19.51	0.33%
Eco1E_SSSI_180	180	15	23.18	19.45	19.50	0.31%
Eco1E_SSSI_190	190	15	23.17	19.45	19.49	0.30%
Eco1E_SSSI_200	200	15	23.16	19.44	19.48	0.28%
Eco8_AW_0	0	10	19.55	16.46	16.56	0.98%
Eco8_AW_5	5	10	17.92	15.09	15.17	0.77%
Eco8_AW_10	10	10	17.13	14.42	14.48	0.62%
Eco8_AW_15	15	10	16.65	14.01	14.07	0.53%
Eco8_AW_20	20	10	16.32	13.73	13.78	0.45%
Eco8_AW_25	25	10	16.09	13.53	13.57	0.40%

Transect Receptor	Distance from Road Edge (m)	Lower Critical Load for Most Sensitive Feature KgN/ha/yr	Baseline 2015	Do-minimum 2023	Do-Something 2023	% Change in total N Deposition compared to Lower Critical Load Do-Something
Eco8_AW_30	30	10	15.91	13.38	13.41	0.34%
Eco8_AW_35	35	10	15.76	13.26	13.29	0.31%
Eco8_AW_40	40	10	15.65	13.16	13.19	0.28%
Eco8_AW_45	45	10	15.55	13.08	13.1	0.25%
Eco8_AW_50	50	10	15.47	13.01	13.03	0.24%
Eco8_AW_60	60	10	15.34	12.9	12.92	0.20%
Eco8_AW_70	70	10	15.24	12.81	12.83	0.18%
Eco8_AW_80	80	10	15.17	12.75	12.76	0.15%
Eco8_AW_90	90	10	15.1	12.7	12.71	0.15%
Eco8_AW_100	100	10	15.05	12.65	12.67	0.13%
Eco8_AW_110	110	10	15.01	12.62	12.63	0.11%
Eco8_AW_120	120	10	14.97	12.59	12.6	0.10%
Eco8_AW_130	130	10	14.94	12.56	12.57	0.10%
Eco8_AW_140	140	10	14.92	12.54	12.55	0.10%
Eco8_AW_150	150	10	14.89	12.52	12.53	0.09%
Eco8_AW_160	160	10	14.87	12.5	12.51	0.09%
Eco8_AW_170	170	10	14.85	12.48	12.49	0.08%
Eco8_AW_180	180	10	14.83	12.47	12.48	0.07%
Eco8_AW_190	190	10	14.82	12.46	12.46	0.07%
Eco8_AW_200	200	10	14.8	12.44	12.45	0.07%
Eco3_AW_0	0	10	16.82	14.11	14.13	0.19%
Eco3_AW_5	5	10	16.79	14.09	14.11	0.18%
Eco3_AW_10	10	10	16.77	14.07	14.09	0.16%
Eco3_AW_15	15	10	16.76	14.06	14.08	0.14%
Eco3_AW_20	20	10	16.74	14.05	14.06	0.13%
Eco3_AW_25	25	10	16.73	14.04	14.05	0.13%
Eco3_AW_30	30	10	16.72	14.03	14.04	0.12%
Eco3_AW_35	35	10	16.71	14.02	14.03	0.12%
Eco3_AW_40	40	10	16.7	14.01	14.02	0.11%
Eco3_AW_45	45	10	16.69	14.01	14.02	0.11%
Eco3_AW_50	50	10	16.68	14	14.01	0.10%
Eco3_AW_60	60	10	16.67	13.99	14	0.10%

Transect Receptor	Distance from Road Edge (m)	Lower Critical Load for Most Sensitive Feature KgN/ha/yr	Baseline 2015	Do-minimum 2023	Do-Something 2023	% Change in total N Deposition compared to Lower Critical Load Do-Something
Eco3_AW_70	70	10	16.66	13.98	13.99	0.07%
Eco3_AW_80	80	10	16.65	13.98	13.98	0.07%
Eco3_AW_90	90	10	16.64	13.97	13.98	0.07%
Eco3_AW_100	100	10	16.64	13.97	13.97	0.07%
Eco3_AW_110	110	10	16.63	13.96	13.97	0.06%
Eco3_AW_120	120	10	16.62	13.96	13.96	0.06%
Eco3_AW_130	130	10	16.62	13.95	13.96	0.06%
Eco3_AW_140	140	10	16.62	13.95	13.95	0.05%
Eco3_AW_150	150	10	16.61	13.95	13.95	0.05%
Eco6_AW_0	0	10	17.15	14.43	14.44	0.15%
Eco7E_AW_0	0	10	20.28	17.37	17.61	2.36%
Eco7E_AW_5	5	10	19.16	16.32	16.48	1.64%
Eco7E_AW_10	10	10	18.63	15.82	15.95	1.27%
Eco7E_AW_15	15	10	18.32	15.52	15.62	1.02%
Eco7E_AW_20	20	10	18.11	15.32	15.4	0.86%
Eco7E_AW_25	25	10	17.95	15.17	15.25	0.75%
Eco7E_AW_30	30	10	17.84	15.06	15.13	0.66%
Eco7E_AW_35	35	10	17.74	14.98	15.04	0.58%
Eco7E_AW_40	40	10	17.67	14.91	14.96	0.53%
Eco7E_AW_45	45	10	17.61	14.85	14.9	0.49%
Eco7E_AW_50	50	10	17.56	14.8	14.85	0.44%
Eco7E_AW_60	60	10	17.48	14.73	14.77	0.38%
Eco7E_AW_70	70	10	17.42	14.67	14.7	0.34%
Eco7E_AW_80	80	10	17.37	14.63	14.66	0.30%
Eco7E_AW_90	90	10	17.33	14.59	14.62	0.27%
Eco7E_AW_100	100	10	17.3	14.56	14.59	0.25%
Eco7E_AW_110	110	10	17.27	14.54	14.56	0.22%
Eco7E_AW_120	120	10	17.25	14.52	14.54	0.21%
Eco7E_AW_130	130	10	17.23	14.5	14.52	0.20%
Eco7E_AW_140	140	10	17.21	14.48	14.5	0.18%
Eco7E_AW_150	150	10	17.2	14.47	14.49	0.18%
Eco7E_AW_160	160	10	17.19	14.46	14.47	0.16%

Transect Receptor	Distance from Road Edge (m)	Lower Critical Load for Most Sensitive Feature KgN/ha/yr	Baseline 2015	Do-minimum 2023	Do-Something 2023	% Change in total N Deposition compared to Lower Critical Load Do-Something
Eco7E_AW_170	170	10	17.18	14.45	14.46	0.16%
Eco7E_AW_180	180	10	17.17	14.44	14.45	0.15%
Eco7E_AW_190	190	10	17.16	14.43	14.44	0.15%
Eco7E_AW_200	200	10	17.15	14.42	14.44	0.13%
Eco7W_AW_0	0	10	19.17	16.31	16.47	1.67%
Eco7W_AW_5	5	10	18.25	15.45	15.54	0.98%
Eco7W_AW_10	10	10	17.89	15.11	15.18	0.69%
Eco7W_AW_15	15	10	17.69	14.93	14.98	0.55%
Eco7W_AW_20	20	10	17.56	14.81	14.85	0.44%
Eco7W_AW_25	25	10	17.47	14.72	14.76	0.38%
Eco7W_AW_30	30	10	17.4	14.66	14.69	0.31%
Eco7W_AW_35	35	10	17.35	14.61	14.64	0.29%
Eco7W_AW_40	40	10	17.31	14.57	14.6	0.25%
Eco7W_AW_45	45	10	17.27	14.54	14.56	0.22%
Eco7W_AW_50	50	10	17.25	14.51	14.53	0.21%
Eco7W_AW_60	60	10	17.2	14.47	14.49	0.17%
Eco7W_AW_70	70	10	17.17	14.44	14.46	0.16%
Eco7W_AW_80	80	10	17.14	14.42	14.43	0.15%
Eco7W_AW_90	90	10	17.12	14.4	14.41	0.12%
Eco7W_AW_100	100	10	17.1	14.38	14.39	0.11%
Eco7W_AW_110	110	10	17.09	14.37	14.38	0.10%
Eco7W_AW_120	120	10	17.07	14.36	14.37	0.10%
Eco7W_AW_130	130	10	17.06	14.35	14.36	0.09%
Eco7W_AW_140	140	10	17.05	14.34	14.35	0.08%
Eco7W_AW_150	150	10	17.05	14.33	14.34	0.08%
Eco7W_AW_160	160	10	17.04	14.33	14.33	0.06%
Eco7W_AW_170	170	10	17.03	14.32	14.33	0.06%
Eco7W_AW_180	180	10	17.03	14.32	14.32	0.06%
Eco7W_AW_190	190	10	17.02	14.31	14.32	0.05%
Eco7W_AW_200	200	10	17.02	14.31	14.31	0.05%
Eco2_SSSI_0	0	10	16.28	13.65	13.43	-2.18%
Eco2_SSSI_5	5	10	15.75	13.21	13.11	-1.01%

Transect Receptor	Distance from Road Edge (m)	Lower Critical Load for Most Sensitive Feature KgN/ha/yr	Baseline 2015	Do-minimum 2023	Do-Something 2023	% Change in total N Deposition compared to Lower Critical Load Do-Something
Eco2_SSSI_10	10	10	15.58	13.07	13.01	-0.65%
Eco2_SSSI_15	15	10	15.49	13	12.95	-0.48%
Eco2_SSSI_20	20	10	15.44	12.96	12.92	-0.37%
Eco2_SSSI_25	25	10	15.4	12.93	12.9	-0.29%
Eco2_SSSI_30	30	10	15.38	12.91	12.88	-0.25%
Eco2_SSSI_35	35	10	15.36	12.89	12.87	-0.21%
Eco2_SSSI_40	40	10	15.34	12.88	12.86	-0.18%
Eco2_SSSI_45	45	10	15.33	12.87	12.85	-0.16%
Eco2_SSSI_50	50	10	15.32	12.86	12.85	-0.15%
Eco2_SSSI_60	60	10	15.3	12.85	12.84	-0.12%
Eco2_SSSI_70	70	10	15.29	12.84	12.83	-0.09%
Eco2_SSSI_80	80	10	15.29	12.83	12.83	-0.08%
Eco2_SSSI_90	90	10	15.28	12.83	12.82	-0.06%
Eco2_SSSI_100	100	10	15.27	12.82	12.82	-0.06%
Eco2_SSSI_110	110	10	15.27	12.82	12.82	-0.05%
Eco2_SSSI_120	120	10	15.27	12.82	12.81	-0.04%
Eco2_SSSI_130	130	10	15.26	12.82	12.81	-0.04%
Eco2_SSSI_140	140	10	15.26	12.81	12.81	-0.03%
Eco2_SSSI_150	150	10	15.26	12.81	12.81	-0.03%
Eco2_SSSI_160	160	10	15.25	12.81	12.81	-0.02%
Eco2_SSSI_170	170	10	15.25	12.81	12.81	-0.02%
Eco2_SSSI_180	180	10	15.25	12.81	12.8	-0.02%
Eco2_SSSI_190	190	10	15.25	12.81	12.8	-0.03%
Eco2_SSSI_200	200	10	15.25	12.8	12.8	-0.02%
Eco9E_SSSI_0	0	15	24.64	20.68	20.31	-2.48%
Eco9E_SSSI_5	5	15	23.93	20.09	19.88	-1.39%
Eco9E_SSSI_10	10	15	23.64	19.85	19.71	-0.95%
Eco9E_SSSI_15	15	15	23.49	19.72	19.61	-0.70%
Eco9E_SSSI_20	20	15	23.39	19.64	19.55	-0.56%
Eco9E_SSSI_25	25	15	23.33	19.58	19.51	-0.47%
Eco9E_SSSI_30	30	15	23.28	19.54	19.48	-0.40%
Eco9E_SSSI_35	35	15	23.24	19.51	19.46	-0.35%

Transect Receptor	Distance from Road Edge (m)	Lower Critical Load for Most Sensitive Feature KgN/ha/yr	Baseline 2015	Do-minimum 2023	Do-Something 2023	% Change in total N Deposition compared to Lower Critical Load Do-Something
Eco9E_SSSI_40	40	15	23.21	19.49	19.44	-0.31%
Eco9E_SSSI_45	45	15	23.19	19.47	19.43	-0.28%
Eco9E_SSSI_50	50	15	23.17	19.45	19.42	-0.25%
Eco9E_SSSI_55	55	15	23.16	19.44	19.41	-0.23%
Eco9E_SSSI_60	60	15	23.14	19.43	19.4	-0.21%
Eco9E_SSSI_65	65	15	23.13	19.42	19.39	-0.19%
Eco9E_SSSI_70	70	15	23.12	19.41	19.38	-0.18%
Eco9E_SSSI_75	75	15	23.11	19.4	19.38	-0.16%
Eco9E_SSSI_80	80	15	23.1	19.4	19.37	-0.15%
Eco9E_SSSI_85	85	15	23.1	19.39	19.37	-0.15%
Eco9E_SSSI_90	90	15	23.09	19.39	19.37	-0.13%
Eco9E_SSSI_95	95	15	23.08	19.38	19.36	-0.13%
Eco9E_SSSI_100	100	15	23.08	19.38	19.36	-0.13%
Eco9E_SSSI_110	110	15	23.07	19.37	19.35	-0.11%
Eco9E_SSSI_120	120	15	23.07	19.37	19.35	-0.10%
Eco9E_SSSI_130	130	15	23.06	19.36	19.35	-0.10%
Eco9E_SSSI_140	140	15	23.06	19.36	19.35	-0.09%
Eco9E_SSSI_150	150	15	23.05	19.36	19.34	-0.08%
Eco9E_SSSI_160	160	15	23.05	19.35	19.34	-0.08%
Eco9E_SSSI_170	170	15	23.04	19.35	19.34	-0.07%
Eco9E_SSSI_180	180	15	23.04	19.35	19.34	-0.07%
Eco9E_SSSI_190	190	15	23.04	19.34	19.33	-0.06%
Eco9W_SSSI_0	0	15	24.01	20.16	19.93	-1.50%
Eco9W_SSSI_5	5	15	23.5	19.73	19.62	-0.71%
Eco9W_SSSI_10	10	15	23.33	19.58	19.51	-0.47%
Eco9W_SSSI_15	15	15	23.24	19.51	19.46	-0.35%
Eco9W_SSSI_20	20	15	23.19	19.47	19.43	-0.27%
Eco9W_SSSI_25	25	15	23.15	19.44	19.41	-0.22%
Eco9W_SSSI_30	30	15	23.13	19.42	19.39	-0.18%
Eco9W_SSSI_35	35	15	23.11	19.4	19.38	-0.16%
Eco9W_SSSI_40	40	15	23.09	19.39	19.37	-0.14%
Eco9W_SSSI_45	45	15	23.08	19.38	19.36	-0.13%

Transect Receptor	Distance from Road Edge (m)	Lower Critical Load for Most Sensitive Feature KgN/ha/yr	Baseline 2015	Do-minimum 2023	Do-Something 2023	% Change in total N Deposition compared to Lower Critical Load Do-Something
Eco9W_SSSI_50	50	15	23.07	19.37	19.35	-0.11%
Eco9W_SSSI_55	55	15	23.06	19.36	19.35	-0.10%
Eco9W_SSSI_60	60	15	23.06	19.36	19.34	-0.10%
Eco9W_SSSI_65	65	15	23.05	19.35	19.34	-0.08%
Eco9W_SSSI_70	70	15	23.04	19.35	19.34	-0.08%
Eco9W_SSSI_75	75	15	23.04	19.34	19.33	-0.07%
Eco9W_SSSI_80	80	15	23.04	19.34	19.33	-0.07%
Eco9W_SSSI_85	85	15	23.03	19.34	19.33	-0.06%
Eco9W_SSSI_90	90	15	23.03	19.34	19.33	-0.06%
Eco9W_SSSI_95	95	15	23.03	19.33	19.33	-0.05%
Eco10_0	0	10	16.94	14.2	13.81	-3.91%
Eco10_5	5	10	16.26	13.63	13.41	-2.17%
Eco10_10	10	10	15.99	13.41	13.26	-1.50%
Eco10_15	15	10	15.85	13.29	13.17	-1.13%
Eco10_20	20	10	15.77	13.21	13.12	-0.92%
Eco10_25	25	10	15.71	13.16	13.08	-0.77%
Eco10_30	30	10	15.66	13.12	13.06	-0.65%
Eco10_35	35	10	15.63	13.09	13.04	-0.57%
Eco10_40	40	10	15.6	13.07	13.02	-0.52%
Eco10_45	45	10	15.58	13.05	13.01	-0.46%
Eco10_50	50	10	15.56	13.04	12.99	-0.43%
Eco10_55	55	10	15.54	13.02	12.98	-0.38%
Eco10_60	60	10	15.52	13.01	12.97	-0.36%
Eco10_65	65	10	15.51	13	12.97	-0.33%
Eco10_70	70	10	15.5	12.99	12.96	-0.30%
Eco10_75	75	10	15.49	12.98	12.95	-0.28%
Eco10_80	80	10	15.48	12.97	12.95	-0.27%
Eco10_85	85	10	15.47	12.97	12.94	-0.25%
Eco10_90	90	10	15.47	12.96	12.94	-0.22%
Eco10_95	95	10	15.46	12.96	12.94	-0.22%
Eco10_100	100	10	15.45	12.95	12.93	-0.21%
Eco10_110	110	10	15.44	12.94	12.93	-0.19%

Transect Receptor	Distance from Road Edge (m)	Lower Critical Load for Most Sensitive Feature KgN/ha/yr	Baseline 2015	Do-minimum 2023	Do-Something 2023	% Change in total N Deposition compared to Lower Critical Load Do-Something
Eco10_120	120	10	15.44	12.94	12.92	-0.18%
Eco10_130	130	10	15.43	12.93	12.92	-0.16%
Eco10_140	140	10	15.43	12.93	12.92	-0.16%
Eco10_150	150	10	15.44	12.93	12.92	-0.14%
Eco10_160	160	10	15.44	12.93	12.92	-0.14%
Eco10_170	170	10	15.45	12.94	12.92	-0.13%
Eco10_180	180	10	15.47	12.94	12.93	-0.13%
Eco10_190	190	10	15.46	12.94	12.93	-0.12%
Eco10_200	200	10	15.45	12.93	12.92	-0.11%
Eco11_0	0	10	15.9	13.34	13.28	-0.61%
Eco11_5	5	10	15.86	13.31	13.26	-0.53%
Eco11_10	10	10	15.83	13.28	13.24	-0.47%
Eco11_15	15	10	15.81	13.26	13.22	-0.41%
Eco11_20	20	10	15.79	13.25	13.21	-0.38%
Eco11_25	25	10	15.77	13.23	13.2	-0.34%
Eco11_30	30	10	15.76	13.22	13.19	-0.32%
Eco11_35	35	10	15.75	13.21	13.18	-0.30%
Eco11_40	40	10	15.74	13.2	13.18	-0.27%
Eco11_45	45	10	15.73	13.2	13.17	-0.25%
Eco11_50	50	10	15.72	13.19	13.17	-0.23%
Eco11_55	55	10	15.71	13.18	13.16	-0.22%
Eco11_60	60	10	15.7	13.18	13.16	-0.21%
Eco11_65	65	10	15.7	13.17	13.15	-0.19%
Eco11_70	70	10	15.69	13.17	13.15	-0.19%
Eco11_75	75	10	15.69	13.17	13.15	-0.19%
Eco11_80	80	10	15.68	13.16	13.15	-0.17%
Eco11_85	85	10	15.68	13.16	13.14	-0.17%
Eco11_90	90	10	15.68	13.16	13.14	-0.16%
Eco11_95	95	10	15.67	13.15	13.14	-0.15%
Eco11_100	100	10	15.67	13.15	13.14	-0.15%
Eco11_110	110	10	15.66	13.15	13.13	-0.13%
Eco11_120	120	10	15.66	13.14	13.13	-0.12%

Transect Receptor	Distance from Road Edge (m)	Lower Critical Load for Most Sensitive Feature KgN/ha/yr	Baseline 2015	Do-minimum 2023	Do-Something 2023	% Change in total N Deposition compared to Lower Critical Load Do-Something
Eco11_130	130	10	15.66	13.14	13.13	-0.11%
Eco11_140	140	10	15.66	13.14	13.13	-0.11%
Eco11_150	150	10	15.65	13.14	13.13	-0.10%
Eco11_160	160	10	15.65	13.13	13.13	-0.09%
Eco11_170	170	10	15.65	13.13	13.12	-0.08%
Eco11_180	180	10	15.65	13.13	13.12	-0.08%
Eco11_190	190	10	15.64	13.13	13.12	-0.07%
Eco11_200	200	10	15.64	13.13	13.12	-0.07%
Eco12E_0	0	15	16.84	14.14	13.78	-2.42%
Eco12E_5	5	15	15.96	13.39	13.2	-1.31%
Eco12E_10	10	15	15.6	13.09	12.96	-0.87%
Eco12E_15	15	15	15.4	12.93	12.83	-0.64%
Eco12E_20	20	15	15.28	12.83	12.75	-0.50%
Eco12E_25	25	15	15.2	12.76	12.7	-0.41%
Eco12E_30	30	15	15.14	12.71	12.66	-0.34%
Eco12E_35	35	15	15.1	12.67	12.63	-0.29%
Eco12E_40	40	15	15.06	12.64	12.6	-0.25%
Eco12E_45	45	15	15.03	12.62	12.59	-0.22%
Eco12E_50	50	15	15.01	12.6	12.57	-0.19%
Eco12E_55	55	15	14.99	12.58	12.56	-0.17%
Eco12E_60	60	15	14.98	12.57	12.55	-0.15%
Eco12E_65	65	15	14.96	12.56	12.54	-0.14%
Eco12E_70	70	15	14.95	12.55	12.53	-0.12%
Eco12E_75	75	15	14.94	12.54	12.52	-0.12%
Eco12E_80	80	15	14.93	12.53	12.52	-0.11%
Eco12E_85	85	15	14.92	12.53	12.51	-0.10%
Eco12E_90	90	15	14.92	12.52	12.51	-0.09%
Eco12E_95	95	15	14.91	12.52	12.5	-0.09%
Eco12E_100	100	15	14.9	12.51	12.5	-0.08%
Eco12E_110	110	15	14.89	12.5	12.49	-0.06%
Eco12E_120	120	15	14.89	12.49	12.49	-0.06%
Eco12E_130	130	15	14.88	12.49	12.48	-0.06%

Transect Receptor	Distance from Road Edge (m)	Lower Critical Load for Most Sensitive Feature KgN/ha/yr	Baseline 2015	Do-minimum 2023	Do-Something 2023	% Change in total N Deposition compared to Lower Critical Load Do-Something
Eco12E_140	140	15	14.87	12.48	12.48	-0.04%
Eco12E_150	150	15	14.87	12.48	12.47	-0.04%
Eco12E_160	160	15	14.86	12.47	12.47	-0.04%
Eco12E_170	170	15	14.86	12.47	12.46	-0.04%
Eco12E_180	180	15	14.85	12.47	12.46	-0.03%
Eco12E_190	190	15	14.85	12.46	12.46	-0.03%
Eco12E_200	200	15	14.85	12.46	12.46	-0.02%
Eco12W_0	0	15	16.23	13.63	13.38	-1.65%
Eco12W_5	5	15	15.61	13.1	12.97	-0.86%
Eco12W_10	10	15	15.4	12.92	12.83	-0.59%
Eco12W_15	15	15	15.29	12.83	12.76	-0.46%
Eco12W_20	20	15	15.23	12.78	12.72	-0.38%
Eco12W_25	25	15	15.19	12.74	12.69	-0.33%
Eco12W_30	30	15	15.16	12.72	12.67	-0.29%
Eco12W_35	35	15	15.13	12.7	12.66	-0.26%
Eco12W_40	40	15	15.11	12.68	12.64	-0.24%
Eco12W_45	45	15	15.1	12.67	12.63	-0.22%
Eco12W_50	50	15	15.08	12.65	12.62	-0.20%
Eco12W_55	55	15	15.07	12.64	12.62	-0.18%
Eco12W_60	60	15	15.06	12.63	12.61	-0.17%
Eco12W_65	65	15	15.04	12.62	12.6	-0.16%
Eco12W_70	70	15	15.03	12.61	12.59	-0.14%
Eco12W_75	75	15	15.02	12.61	12.59	-0.13%
Eco12W_80	80	15	15.01	12.6	12.58	-0.13%
Eco12W_85	85	15	15	12.59	12.57	-0.12%
Eco12W_90	90	15	14.99	12.58	12.57	-0.10%
Eco12W_95	95	15	14.98	12.57	12.56	-0.10%
Eco12W_100	100	15	14.97	12.56	12.55	-0.10%
Eco12W_110	110	15	14.95	12.55	12.54	-0.09%
Eco13	0	10	15.42	12.94	12.92	-0.12%
Eco14	0	10	15.61	13.1	13.1	-0.03%
Eco15	0	10	17.34	14.54	14.55	0.07%

Transect Receptor	Distance from Road Edge (m)	Lower Critical Load for Most Sensitive Feature KgN/ha/yr	Baseline 2015	Do-minimum 2023	Do-Something 2023	% Change in total N Deposition compared to Lower Critical Load Do-Something
Eco16	0	15	15.65	13.13	13.09	-0.24%
Eco17W_0	0	15	15.53	13.06	13.13	0.44%
Eco17W_5	5	15	14.55	12.22	12.25	0.22%
Eco17W_10	10	15	14.21	11.93	11.95	0.16%
Eco17W_15	15	15	14.04	11.78	11.8	0.11%
Eco17W_20	20	15	13.93	11.69	11.7	0.09%
Eco17W_25	25	15	13.85	11.62	11.63	0.08%
Eco17W_30	30	15	13.8	11.58	11.59	0.06%
Eco17W_35	35	15	13.76	11.54	11.55	0.05%
Eco17W_40	40	15	13.73	11.52	11.53	0.04%
Eco17W_45	45	15	13.7	11.5	11.5	0.04%
Eco17W_50	50	15	13.68	11.48	11.49	0.04%
Eco17W_55	55	15	13.66	11.47	11.47	0.04%
Eco17W_60	60	15	13.65	11.45	11.46	0.03%
Eco17W_65	65	15	13.64	11.44	11.45	0.04%
Eco17W_70	70	15	13.63	11.43	11.44	0.03%
Eco17W_75	75	15	13.62	11.43	11.43	0.03%
Eco17W_80	80	15	13.61	11.42	11.42	0.03%
Eco17W_85	85	15	13.6	11.41	11.42	0.02%
Eco17W_90	90	15	13.59	11.41	11.41	0.03%
Eco17W_95	95	15	13.59	11.4	11.41	0.02%
Eco17W_100	100	15	13.58	11.4	11.4	0.02%
Eco17W_110	110	15	13.57	11.39	11.39	0.02%
Eco17W_120	120	15	13.57	11.38	11.39	0.02%
Eco17W_130	130	15	13.56	11.38	11.38	0.02%
Eco17W_140	140	15	13.55	11.37	11.38	0.01%
Eco17W_150	150	15	13.55	11.37	11.37	0.01%
Eco17W_160	160	15	13.54	11.37	11.37	0.01%
Eco17W_170	170	15	13.54	11.36	11.36	0.01%
Eco17W_180	180	15	13.54	11.36	11.36	0.01%
Eco17W_190	190	15	13.53	11.36	11.36	0.01%
Eco17W_200	200	15	13.53	11.35	11.36	0.01%

Transect Receptor	Distance from Road Edge (m)	Lower Critical Load for Most Sensitive Feature KgN/ha/yr	Baseline 2015	Do-minimum 2023	Do-Something 2023	% Change in total N Deposition compared to Lower Critical Load Do-Something
Eco18E_0	0	10	19.24	16.16	16.39	2.33%
Eco18E_5	5	10	18.12	15.22	15.37	1.47%
Eco18E_10	10	10	17.65	14.82	14.93	1.08%
Eco18E_15	15	10	17.38	14.59	14.68	0.87%
Eco18E_20	20	10	17.2	14.44	14.51	0.73%
Eco18E_25	25	10	17.08	14.33	14.39	0.62%
Eco18E_30	30	10	16.98	14.25	14.31	0.55%
Eco18E_35	35	10	16.9	14.19	14.24	0.48%
Eco18E_40	40	10	16.84	14.14	14.18	0.44%
Eco18E_45	45	10	16.79	14.09	14.13	0.40%
Eco18E_50	50	10	16.75	14.06	14.09	0.36%
Eco18E_55	55	10	16.72	14.03	14.06	0.33%
Eco18E_60	60	10	16.69	14	14.03	0.31%
Eco18E_65	65	10	16.66	13.98	14.01	0.29%
Eco18E_70	70	10	16.64	13.96	13.99	0.27%
Eco18E_75	75	10	16.61	13.94	13.97	0.26%
Eco18E_80	80	10	16.6	13.93	13.95	0.24%
Eco18E_85	85	10	16.58	13.91	13.94	0.23%
Eco18E_90	90	10	16.56	13.9	13.92	0.23%
Eco18E_95	95	10	16.55	13.89	13.91	0.21%
Eco18E_100	100	10	16.54	13.88	13.9	0.20%
Eco18E_110	110	10	16.52	13.86	13.88	0.18%
Eco18E_120	120	10	16.5	13.85	13.86	0.18%
Eco18E_130	130	10	16.48	13.83	13.85	0.17%
Eco18E_140	140	10	16.47	13.82	13.84	0.14%
Eco18E_150	150	10	16.46	13.81	13.83	0.14%
Eco18E_160	160	10	16.45	13.8	13.82	0.13%
Eco18E_170	170	10	16.44	13.79	13.81	0.13%
Eco18E_180	180	10	16.43	13.79	13.8	0.12%
Eco18E_190	190	10	16.42	13.78	13.79	0.12%
Eco18E_200	200	10	16.41	13.77	13.79	0.12%
Eco18W_0	0	10	19.06	16.02	16.24	2.16%

Transect Receptor	Distance from Road Edge (m)	Lower Critical Load for Most Sensitive Feature KgN/ha/yr	Baseline 2015	Do-minimum 2023	Do-Something 2023	% Change in total N Deposition compared to Lower Critical Load Do-Something
Eco18W_5	5	10	17.93	15.06	15.19	1.29%
Eco18W_10	10	10	17.48	14.68	14.77	0.93%
Eco18W_15	15	10	17.23	14.47	14.54	0.73%
Eco18W_20	20	10	17.07	14.33	14.39	0.61%
Eco18W_25	25	10	16.95	14.23	14.28	0.52%
Eco18W_30	30	10	16.86	14.15	14.2	0.44%
Eco18W_35	35	10	16.8	14.1	14.14	0.40%
Eco18W_40	40	10	16.74	14.05	14.09	0.36%
Eco18W_45	45	10	16.7	14.01	14.05	0.32%
Eco18W_50	50	10	16.66	13.98	14.01	0.29%
Eco18W_55	55	10	16.63	13.96	13.99	0.27%
Eco18W_60	60	10	16.61	13.94	13.96	0.25%
Eco18W_65	65	10	16.58	13.92	13.94	0.24%
Eco18W_70	70	10	16.56	13.9	13.92	0.22%
Eco18W_75	75	10	16.54	13.88	13.91	0.21%
Eco18W_80	80	10	16.53	13.87	13.89	0.19%
Eco18W_85	85	10	16.52	13.86	13.88	0.18%
Eco18W_90	90	10	16.5	13.85	13.87	0.18%
Eco18W_95	95	10	16.49	13.84	13.86	0.17%
Eco18W_100	100	10	16.48	13.83	13.85	0.16%
Eco18W_110	110	10	16.46	13.82	13.83	0.14%
Eco18W_120	120	10	16.45	13.8	13.82	0.14%
Eco18W_130	130	10	16.43	13.79	13.81	0.13%
Eco18W_140	140	10	16.42	13.78	13.8	0.12%
Eco18W_150	150	10	16.41	13.77	13.79	0.12%
Eco18W_160	160	10	16.4	13.77	13.78	0.11%
Eco18W_170	170	10	16.4	13.76	13.77	0.11%
Eco18W_180	180	10	16.39	13.76	13.77	0.10%
Eco18W_190	190	10	16.38	13.75	13.76	0.10%
Eco18W_200	200	10	16.38	13.75	13.76	0.10%
Eco19_0	0	5	19.09	15.94	16.15	4.21%
Eco19_5	5	5	17.85	14.95	15.05	2.15%

Transect Receptor	Distance from Road Edge (m)	Lower Critical Load for Most Sensitive Feature KgN/ha/yr	Baseline 2015	Do-minimum 2023	Do-Something 2023	% Change in total N Deposition compared to Lower Critical Load Do-Something
Eco19_10	10	5	17.44	14.61	14.68	1.47%
Eco19_15	15	5	17.22	14.43	14.49	1.09%
Eco19_20	20	5	17.08	14.32	14.37	0.88%
Eco19_25	25	5	16.99	14.25	14.29	0.73%
Eco19_30	30	5	16.92	14.2	14.23	0.60%
Eco19_35	35	5	16.87	14.16	14.18	0.53%
Eco19_40	40	5	16.83	14.12	14.15	0.48%
Eco19_45	45	5	16.8	14.1	14.12	0.43%
Eco19_50	50	5	16.78	14.08	14.1	0.38%
Eco19_55	55	5	16.75	14.06	14.08	0.36%
Eco19_60	60	5	16.74	14.04	14.06	0.31%
Eco19_65	65	5	16.72	14.03	14.05	0.31%
Eco19_70	70	5	16.71	14.02	14.03	0.26%
Eco19_75	75	5	16.69	14.01	14.02	0.26%
Eco19_80	80	5	16.68	14	14.01	0.26%
Eco19_85	85	5	16.67	13.99	14.01	0.24%
Eco19_90	90	5	16.66	13.99	14	0.22%
Eco19_95	95	5	16.66	13.98	13.99	0.19%
Eco19_100	100	5	16.65	13.98	13.99	0.19%
Eco19_110	110	5	16.64	13.97	13.98	0.19%
Eco19_120	120	5	16.63	13.96	13.97	0.17%
Eco19_130	130	5	16.62	13.95	13.96	0.15%
Eco19_140	140	5	16.61	13.95	13.95	0.15%
Eco19_150	150	5	16.6	13.94	13.95	0.13%
Eco19_160	160	5	16.6	13.94	13.94	0.15%
Eco19_170	170	5	16.59	13.93	13.94	0.11%
Eco19_180	180	5	16.59	13.93	13.93	0.13%
Eco19_190	190	5	16.58	13.92	13.93	0.10%
Eco19_200	200	5	16.58	13.92	13.93	0.10%

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