

APPENDIX 5.4

Eco Assessment Results

Table 5-19. Annual Average Nitrogen Deposition and NO_x at Designated Habitats

Ecological Site Modelled Receptor Name	Distance from Road (m)	X(m)	Y(m)	Nitrogen Deposition (kg N/ha/yr)			NO _x (µg/m ³)		
				Total DM N	Total DS N	Change	Total DM NO _x	Total DS NO _x	Change
E1	0	477171	319226	22.5	23.0	0.5	11.4	20.2	8.8
E1	5	477176	319227	22.5	22.9	0.4	11.4	18.5	7.1
E1	10	477180	319229	22.5	22.8	0.3	11.4	17.4	6.0
E1	15	477185	319231	22.5	22.8	0.3	11.4	16.6	5.2
E1	20	477190	319233	22.5	22.8	0.3	11.4	16.0	4.5
E1	30	477199	319236	22.5	22.7	0.2	11.4	15.1	3.7
E1	40	477208	319243	22.5	22.7	0.2	11.5	14.6	3.1
E1	50	477218	319248	22.5	22.7	0.2	11.6	14.3	2.7
E1	60	477227	319250	22.5	22.6	0.1	11.7	14.0	2.4
E1	70	477237	319252	22.5	22.6	0.1	11.7	13.9	2.2
E1	80	477246	319254	22.5	22.6	0.1	11.8	13.7	2.0
E1	90	477255	319256	22.5	22.6	0.1	11.8	13.6	1.8
E1	100	477265	319260	22.5	22.6	0.1	11.9	13.7	1.7
E1	125	477288	319262	22.5	22.6	0.1	12.0	13.5	1.5
E1	150	477312	319262	22.5	22.6	0.1	11.9	13.3	1.3
E1	175	477335	319258	22.5	22.6	0.1	11.8	13.0	1.2
E1	200	477360	319247	22.5	22.6	0.1	11.5	12.6	1.0
E2	0	477148	319192	22.5	24.1	1.6	11.1	40.2	29.1
E2	5	477143	319191	22.5	23.3	0.9	11.1	26.5	15.4
E2	10	477139	319189	22.5	23.0	0.5	11.1	20.5	9.4
E2	15	477134	319188	22.5	22.9	0.4	11.1	17.9	6.8
E2	20	477129	319187	22.5	22.8	0.3	11.1	16.4	5.3
E2	30	477119	319184	22.5	22.7	0.2	11.1	14.8	3.7
E2	40	477110	319182	22.5	22.6	0.2	11.1	13.9	2.8
E2	50	477100	319179	22.5	22.6	0.1	11.1	13.4	2.2

Ecological Site Modelled Receptor Name	Distance from Road (m)	X(m)	Y(m)	Nitrogen Deposition (kg N/ha/yr)			NO _x (µg/m ³)		
				Total DM N	Total DS N	Change	Total DM NO _x	Total DS NO _x	Change
E2	60	477090	319174	22.5	22.6	0.1	11.1	13.0	1.9
E2	70	477081	319173	22.5	22.6	0.1	11.1	12.7	1.6
E2	80	477071	319171	22.5	22.6	0.1	11.2	12.6	1.4
E2	90	477061	319171	22.5	22.6	0.1	11.2	12.4	1.2
E2	100	477052	319170	22.5	22.5	0.1	11.2	12.3	1.1
E2	125	477028	319160	22.5	22.5	0.1	11.2	12.1	0.9
E2	150	477004	319079	22.5	22.5	<0.1	10.9	11.7	0.8
E2	175	476980	319103	22.5	22.5	<0.1	13.2	13.9	0.7
E2	200	476956	319095	22.5	22.5	<0.1	13.2	13.8	0.6