

## Appendix A8.6: Noise Impacts on Amenity Areas

### 1 Introduction

- 1.1 An assessment of potential noise impacts on amenity areas and amenity lines within the calculation area has been undertaken.
- 1.2 Table 1 provides a list of all the amenity areas (polygons) that have been considered in this assessment and Table 2 provides a list of all the amenity lines (polylines) that have been considered in this assessment.

**Table 1: Amenity Areas (Polygons) Considered in the Assessment**

Amenity Area ID	Amenity Area Information			
	Type of Amenity Area	Description of Amenity Area	Approximate Centre Point of Amenity Area considered in Assessment	
			Easting	Northing
1	Site of Special Scientific Interest Special Protection Area Ramsar	Longman and Castle Stuart Bays Inner Moray Firth SPA Inner Moray Firth Wetland of International Importance	269836	846521
2	Recreation Area	Raigmore Skatepark	268740	845261

**Table 2: Amenity Lines (Polylines) Considered in the Assessment**

Amenity Area ID	Amenity Area Information			
	Type of Amenity Line	Description of Amenity Line	Approximate Centre Point of Amenity Line considered in Assessment	
			Easting	Northing
3	National Cycle Route	NCR1	270021	844676
4	Core Paths	IN08.07	270676	844448
5	Core Paths	IN08.09	271152	845099
6	Core Paths	IN08.10	270185	845351
7	Core Paths	IN08.11	270248	844580
8	Core Paths	IN08.23	269751	846157
9	Core Paths	IN08.24	268983	845782
10	Core Paths	IN08.30	269733	846086
11	Core Paths	IN08.31	270180	844489
12	Core Paths	IN19.13	268241	845299
13	Core Paths	IN19.15	268696	845091
14	Core Paths	IN19.16	268766	845211
15	Core Paths	IN19.21	268389	845199
16	Core Paths	IN19.64	268070	845328
17	Local Path	LP1	269553	844271
18	Local Path	LP2	269381	844653
19	Local Path	LP3	270359	846113
20	Local Path	LP4	268769	844532
21	Local Path	LP5	269600	844894
22	Local Path	LP6	270480	846437
23	Local Path	LP7	268960	844953

Amenity Area ID	Amenity Area Information			
	Type of Amenity Line	Description of Amenity Line	Approximate Centre Point of Amenity Line considered in Assessment	
			Easting	Northing
24	Local Path	LP8	269624	845910
25	Local Path	LP9	269116	845736
26	Local Path	LP10	270265	846321
27	Local Path	LP11	270077	844665
28	Right of Way	HI116	268907	844533
29	Right of Way	HI118	270582	844939
30	Wider Network across Inverness Campus	WN	269017	844917

- 1.3 Tables 3 and Table 4 provide a summary of each of the amenity areas/lines (polygons and polylines respectively) and the percentage of the area that is predicted to fall within each noise contour band for the long-term assessment without the proposed scheme, i.e., Do-Minimum 2022 vs Do-Minimum 2037 at a height of 1.5m above the ground.
- 1.4 Tables 5 and Table 6 provide a summary of each of the amenity areas/lines (polygons and lines respectively) and the percentage of the area that is predicted to fall within each noise contour band for the short-term assessment with the proposed scheme, i.e. Do-Minimum 2022 vs Do-Something 2022 at a height of 1.5m above the ground.
- 1.5 Finally, Tables 7 and Table 8 provide a summary of each of the amenity areas/lines (polygons and lines respectively) and the percentage of the area that is predicted to fall within each noise contour band for the long-term assessment with the proposed scheme, i.e., Do-Minimum 2022 vs Do-Something 2037 at a height of 1.5m above the ground.

**Table 3: Assessment of Amenity Areas (Polygons) in the Long-term without the Proposed Scheme**

Amenity Area ID	Total Area of Amenity Area (m <sup>2</sup> )	% of Area Subject to Change in Noise Level (m <sup>2</sup> )								
		Increase in Noise Level				No Change x = 0 dB	Decrease in Noise Level			
		x ≥ 10 dB	5 ≤ x < 10 dB	3 ≤ x < 5 dB	0 < x < 3 dB		-3 < x < 0 dB	-5 < x ≤ -3 dB	-10 < x ≤ -5 dB	x ≤ -10 dB
1	838,362	0	0	0	100	0	0	0	0	0
2	5,209	0	0	0	100	0	0	0	0	0

**Table 4: Assessment of Amenity Lines (Polylines) in the Long-term without the Proposed Scheme**

Amenity Area ID	Total Length of Amenity Line (m <sup>2</sup> )	% of Length Subject to Change in Noise Level (m <sup>2</sup> )								
		Increase in Noise Level				No Change x = 0 dB	Decrease in Noise Level			
		x ≥ 10 dB	5 ≤ x < 10 dB	3 ≤ x < 5 dB	0 < x < 3 dB		-3 < x < 0 dB	-5 < x ≤ -3 dB	-10 < x ≤ -5 dB	x ≤ -10 dB
3	3,162	0	0	0	100	0	0	0	0	0
4	615	0	0	0	100	0	0	0	0	0
5	268	0	0	0	100	0	0	0	0	0
6	1,522	0	0	0	100	0	0	0	0	0
7	127	0	0	0	100	0	0	0	0	0
8	1,991	0	0	0	100	0	0	0	0	0
9	212	0	0	0	73	7	20	0	0	0
10	332	0	0	0	100	0	0	0	0	0
11	307	0	0	0	100	0	0	0	0	0
12	831	0	0	0	100	0	0	0	0	0
13	224	0	0	0	100	0	0	0	0	0
14	923	0	0	0	100	0	0	0	0	0
15	203	0	0	0	100	0	0	0	0	0
16	253	0	0	0	100	0	0	0	0	0
17	653	0	0	0	100	0	0	0	0	0
18	276	0	0	0	100	0	0	0	0	0
19	1,145	0	0	0	100	0	0	0	0	0
20	1,033	0	0	0	99	1	0	0	0	0
21	1,243	0	0	1	99	0	0	0	0	0
22	448	0	0	0	100	0	0	0	0	0
23	1,238	0	0	0	100	0	0	0	0	0

Amenity Area ID	Total Length of Amenity Line (m <sup>2</sup> )	% of Length Subject to Change in Noise Level (m <sup>2</sup> )								
		Increase in Noise Level				No Change x = 0 dB	Decrease in Noise Level			
		x ≥ 10 dB	5 ≤ x < 10 dB	3 ≤ x < 5 dB	0 < x < 3 dB		-3 < x < 0 dB	-5 < x ≤ -3 dB	-10 < x ≤ -5 dB	x ≤ -10 dB
24	389	0	0	0	100	0	0	0	0	0
25	874	0	0	0	11	1	88	0	0	0
26	643	0	0	0	100	0	0	0	0	0
27	1,567	0	0	0	100	0	0	0	0	0
28	80	0	0	0	100	0	0	0	0	0
29	85	0	0	0	100	0	0	0	0	0
30	3,704	0	0	0	100	0	0	0	0	0

Table 5: Assessment of Amenity Areas (Polygons) in the Short-term with the Proposed Scheme

Amenity Area ID	Total Area of Amenity Area (m <sup>2</sup> )	% of Area Subject to Change in Noise Level (m <sup>2</sup> )								
		Increase in Noise Level				No Change x = 0 dB	Decrease in Noise Level			
		x ≥ 5 dB	3 ≤ x < 5 dB	1 ≤ x < 3 dB	0 < x < 1 dB		-1 < x < 0 dB	-3 < x ≤ -1 dB	-5 < x ≤ -3 dB	x ≤ -5 dB
1	838,362	0	0	0	6	19	70	5	0	0
2	5,209	0	0	0	0	0	0	100	0	0

Table 6: Assessment of Amenity Lines (Polylines) in the Short-term with the Proposed Scheme

Amenity Area ID	Total Length of Amenity Line (m <sup>2</sup> )	% of Length Subject to Change in Noise Level (m <sup>2</sup> )								
		Increase in Noise Level				No Change x = 0 dB	Decrease in Noise Level			
		x ≥ 5 dB	3 ≤ x < 5 dB	1 ≤ x < 3 dB	0 < x < 1 dB		-1 < x < 0 dB	-3 < x ≤ -1 dB	-5 < x ≤ -3 dB	x ≤ -5 dB
3	3,162	1	3	24	44	10	8	5	5	0
4	615	0	0	0	6	16	67	11	0	0
5	268	0	0	1	99	0	0	0	0	0
6	1,522	15	12	27	31	3	12	0	0	0
7	127	0	0	0	72	5	23	0	0	0
8	1,991	0	0	0	9	5	73	13	0	0
9	212	0	0	0	0	0	34	66	0	0
10	332	0	0	0	0	0	100	0	0	0
11	307	0	0	0	63	8	21	8	0	0
12	831	0	0	0	0	0	74	26	0	0
13	224	0	0	0	0	0	0	100	0	0

Amenity Area ID	Total Length of Amenity Line (m <sup>2</sup> )	% of Length Subject to Change in Noise Level (m <sup>2</sup> )								
		Increase in Noise Level				No Change x = 0 dB	Decrease in Noise Level			
		x ≥ 5 dB	3 ≤ x < 5 dB	1 ≤ x < 3 dB	0 < x < 1 dB		-1 < x < 0 dB	-3 < x ≤ -1 dB	-5 < x ≤ -3 dB	x ≤ -5 dB
14	923	0	0	0	0	0	1	99	0	0
15	203	0	0	0	0	0	0	100	0	0
16	253	0	0	0	0	0	22	78	0	0
17	653	0	0	15	7	1	77	0	0	0
18	276	0	0	46	11	1	1	12	29	0
19	1,145	4	2	6	54	2	32	0	0	0
20	1,033	0	0	0	73	6	8	8	5	0
21	1,243	8	12	70	4	0	1	3	2	0
22	448	0	0	32	68	0	0	0	0	0
23	1,238	0	0	0	1	0	18	42	39	0
24	389	0	0	0	0	0	100	0	0	0
25	874	0	0	0	0	0	96	3	1	0
26	643	0	1	34	52	2	11	0	0	0
27	1,567	1	7	31	43	2	2	2	3	9
28	80	0	0	0	58	3	39	0	0	0
29	85	0	0	0	100	0	0	0	0	0
30	3,704	0	1	3	6	1	20	61	8	0

Table 7: Assessment of Amenity Areas (Polygons) in the Long-term with the Proposed Scheme

Amenity Area ID	Total Area of Amenity Area (m <sup>2</sup> )	% of Area Subject to Change in Noise Level (m <sup>2</sup> )								
		Increase in Noise Level				No Change x = 0 dB	Decrease in Noise Level			
		x ≥ 10 dB	5 ≤ x < 10 dB	3 ≤ x < 5 dB	0 < x < 3 dB		-3 < x < 0 dB	-5 < x ≤ -3 dB	-10 < x ≤ -5 dB	x ≤ -10 dB
1	838,362	0	0	0	53	7	40	0	0	0
2	5,209	0	0	0	0	0	100	0	0	0

**Table 8: Assessment of Amenity Lines (Polylines) in the Long-term with the Proposed Scheme**

Amenity Area ID	Total Length of Amenity Line (m <sup>2</sup> )	% of Length Subject to Change in Noise Level (m <sup>2</sup> )								
		Increase in Noise Level				No Change	Decrease in Noise Level			
		x ≥ 10 dB	5 ≤ x < 10 dB	3 ≤ x < 5 dB	0 < x < 3 dB	x = 0 dB	-3 < x < 0 dB	-5 < x ≤ -3 dB	-10 < x ≤ -5 dB	x ≤ -10 dB
3	3,162	0	2	12	76	0	8	2	0	0
4	615	0	0	0	87	1	12	0	0	0
5	268	0	0	0	100	0	0	0	0	0
6	1,522	6	16	12	66	0	0	0	0	0
7	127	0	0	0	100	0	0	0	0	0
8	1,991	0	0	0	42	3	55	0	0	0
9	212	0	0	0	0	16	84	0	0	0
10	332	0	0	0	38	5	57	0	0	0
11	307	0	0	0	85	2	13	0	0	0
12	831	0	0	0	15	38	47	0	0	0
13	224	0	0	0	0	0	100	0	0	0
14	923	0	0	0	0	0	100	0	0	0
15	203	0	0	0	0	0	100	0	0	0
16	253	0	0	0	0	18	82	0	0	0
17	653	0	0	0	100	0	0	0	0	0
18	276	0	0	10	49	0	32	9	0	0
19	1,145	0	5	2	93	0	0	0	0	0
20	1,033	0	0	0	88	0	11	1	0	0
21	1,243	1	10	45	40	0	4	0	0	0
22	448	0	0	25	75	0	0	0	0	0
23	1,238	0	0	0	18	2	57	23	0	0
24	389	0	0	0	100	0	0	0	0	0
25	874	0	0	0	51	11	38	0	0	0
26	643	0	2	20	78	0	0	0	0	0
27	1,567	0	8	16	63	0	3	5	5	0
28	80	0	0	0	100	0	0	0	0	0

Amenity Area ID	Total Length of Amenity Line (m <sup>2</sup> )	% of Length Subject to Change in Noise Level (m <sup>2</sup> )								
		Increase in Noise Level				No Change x = 0 dB	Decrease in Noise Level			
		x ≥ 10 dB	5 ≤ x < 10 dB	3 ≤ x < 5 dB	0 < x < 3 dB		-3 < x < 0 dB	-5 < x ≤ -3 dB	-10 < x ≤ -5 dB	x ≤ -10 dB
29	85	0	0	0	100	0	0	0	0	0
30	3,704	0	0	2	27	1	70	0	0	0