

Appendix A.6.3

**Stage 1 Noise Assessment
Potential Impact Rating (PIR)**

A6

The following are the calculation tables for Stage 1 Route Options Potential Impact Ratings (PIR) in Section 1.

Table 1 PIR Counts – Red1 Route Option

Route Option	Distance Bands	No. of Sensitive Properties in Band (A)	Rating Factor (B)	PIR (AxB)
Red1	Band 1	19	4	76
	Band 2	20	3	60
	Band 3	26	2	52
	Band 4	25	1	25
	TOTAL			219

Table 2 PIR Counts – Orange1 Route Option

Route Option	Distance Bands	No. of Sensitive Properties in Band (A)	Rating Factor (B)	PIR (AxB)
Orange1	Band 1	19	4	76
	Band 2	20	3	60
	Band 3	26	2	52
	Band 4	25	1	25
	TOTAL			219

Table 3 PIR Counts – Yellow1 Route Option

Route Option	Distance Bands	No. of Sensitive Properties in Band (A)	Rating Factor (B)	PIR (AxB)
Yellow1	Band 1	16	4	64
	Band 2	23	3	69
	Band 3	52	2	104
	Band 4	42	1	42
	TOTAL			279

Table 4 PIR Counts – Blue1 Route Option

Route Option	Distance Bands	No. of Sensitive Properties in Band (A)	Rating Factor (B)	PIR (AxB)
Blue1	Band 1	58	4	232
	Band 2	90	3	270
	Band 3	155	2	310

Route Option	Distance Bands	No. of Sensitive Properties in Band (A)	Rating Factor (B)	PIR (AxB)
	Band 4	106	1	106
	TOTAL			918

Table 5 PIR Counts – Pink1 Route Option

Route Option	Distance Bands	No. of Sensitive Properties in Band (A)	Rating Factor (B)	PIR (AxB)
Pink1	Band 1	58	4	232
	Band 2	90	3	270
	Band 3	155	2	310
	Band 4	106	1	106
	TOTAL			918

Table 6 PIR Counts – Green1 Route Option

Route Option	Distance Bands	No. of Sensitive Properties in Band (A)	Rating Factor (B)	PIR (AxB)
Green1	Band 1	16	4	64
	Band 2	23	3	69
	Band 3	52	2	104
	Band 4	42	1	42
	TOTAL			279

The following are the calculation tables for Stage 1 Route Options Potential Impact Ratings (PIR) in Section 2.

Table 7 PIR Counts – Red1 Route Option

Route Option	Distance Bands	No. of Sensitive Properties in Band (A)	Rating Factor (B)	PIR (AxB)
Red1	Band 1	314	4	1256
	Band 2	623	3	1869
	Band 3	966	2	1932
	Band 4	1164	1	1164
	TOTAL			6221

Table 8 PIR Counts – Orange1 Route Option

Route Option	Distance Bands	No. of Sensitive Properties in Band (A)	Rating Factor (B)	PIR (AxB)
Orange1	Band 1	179	4	716
	Band 2	274	3	822
	Band 3	583	2	1166
	Band 4	977	1	977
	TOTAL			3681

Table 9 PIR Counts – Yellow1 Route Option

Route Option	Distance Bands	No. of Sensitive Properties in Band (A)	Rating Factor (B)	PIR (AxB)
Yellow1	Band 1	198	4	792
	Band 2	203	3	609
	Band 3	702	2	1404
	Band 4	1051	1	1051
	TOTAL			3856

Table 10 PIR Counts – Blue1 Route Option

Route Option	Distance Bands	No. of Sensitive Properties in Band (A)	Rating Factor (B)	PIR (AxB)
Blue1	Band 1	58	4	232
	Band 2	83	3	249
	Band 3	335	2	670
	Band 4	690	1	690
	TOTAL			1841

Table 11 PIR Counts – Pink1 Route Option

Route Option	Distance Bands	No. of Sensitive Properties in Band (A)	Rating Factor (B)	PIR (AxB)
Pink1	Band 1	55	4	220
	Band 2	85	3	255
	Band 3	338	2	676
	Band 4	659	1	659
	TOTAL			1810

Table 12 PIR Counts – Green1 Route Option

Route Option	Distance Bands	No. of Sensitive Properties in Band (A)	Rating Factor (B)	PIR (AxB)
Green1	Band 1	58	4	232
	Band 2	106	3	318
	Band 3	209	2	418
	Band 4	293	1	293
	TOTAL			1261