

5. Measured Rail Noise Levels

Rail noise measurements were conducted on [REDACTED]. Train levels were clearly audible above existing ambient levels at the measurement location, refer to Figure 2 for this location. At the site, train noise levels are only slightly audible above existing ambient levels. Measured rail noise levels are presented in Table 1.

Table 1: Attended measurements of rail noise levels

No.		Time (24hr)	Train Type	Train Direction	L _{Amax} dBA	L _{AE} dBA
1		7:22 am	Passenger	W	82	90
2		7:26 am	Passenger	E	73	83
3		7:38 am	Passenger	W	81	81
4		7:39 am	Passenger	E	76	76
5		7:48 am	Passenger	W	86	86
6		7:53 am	Passenger	W	77	77
7		7:55 am	Passenger	E	78	78
8		7:59 am	Passenger	E	74	74
9		8:07 am	Passenger	W	82	82
10		8:10 am	Passenger	E	76	75
11		8:13 am	Passenger	W	82	82
12		8:20 am	Passenger	W	84	84
13		8:27 am	Passenger	E	73	73
14		8:35 am	Passenger	W	72	72
15		8:42 am	Passenger	E	68	68
Average L _{Amax}					78	
L _{Aeq} (24hr)					54	

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 The number of trains as advised by Queensland Rail was approximately 114 passenger trains per day.