global environmental solutions

Cross River Rail

Environmental Impact Statement

Operational Noise and Vibration

PART B

Report Number 20-2524-R3

6 June 2011

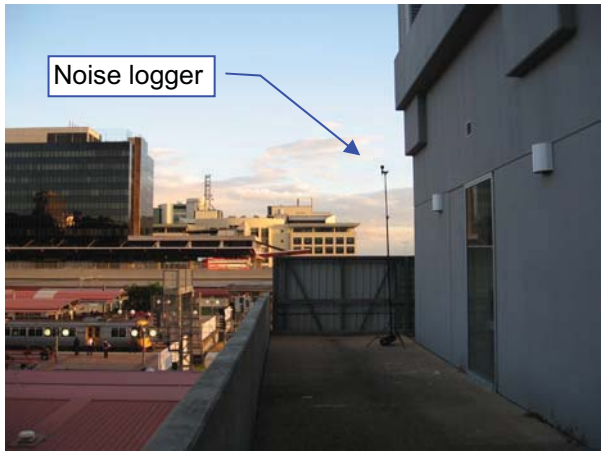
SKM-Aurecon Joint Venture
PO Box 3848
South Brisbane QLD 4101

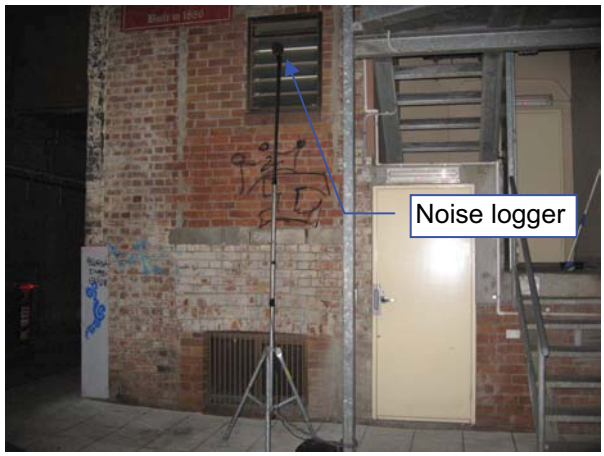
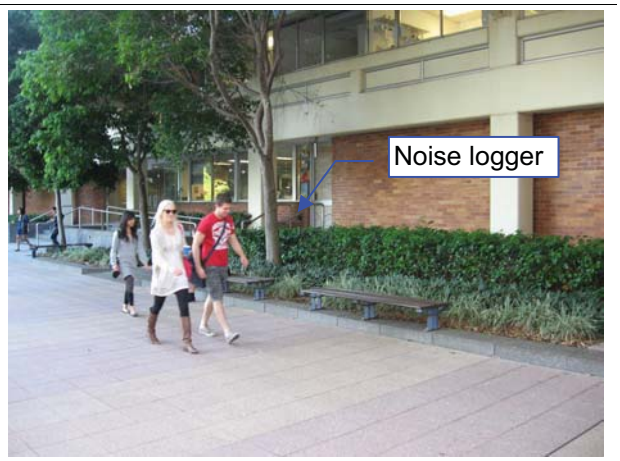
Version: Revision 0

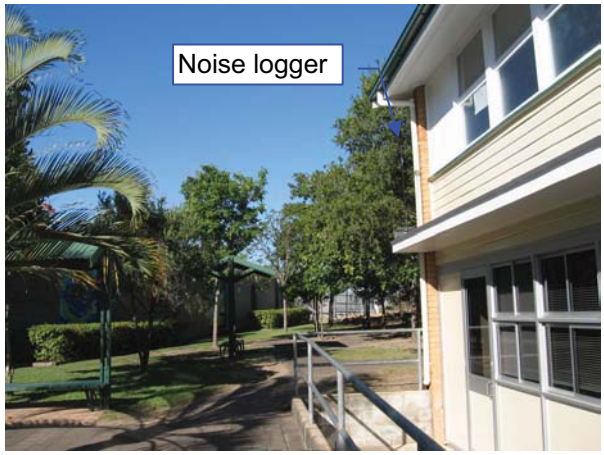
NOISE MONITORING LOCATIONS

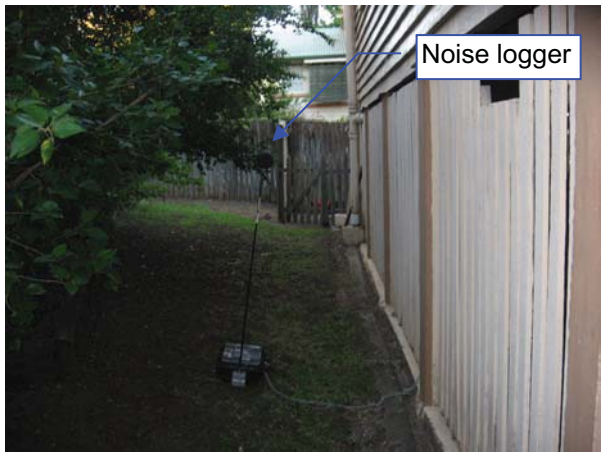
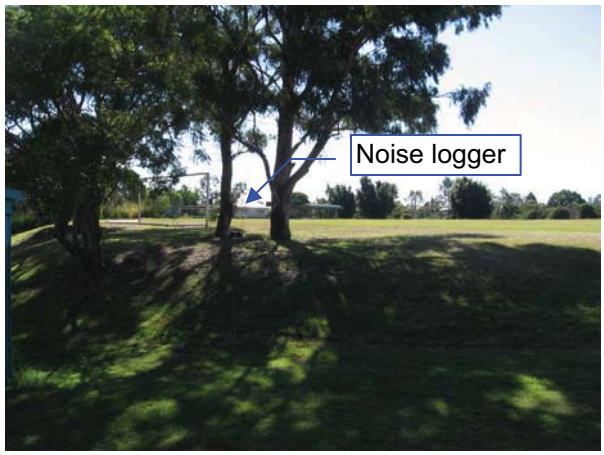
CRR Noise Monitoring Locations

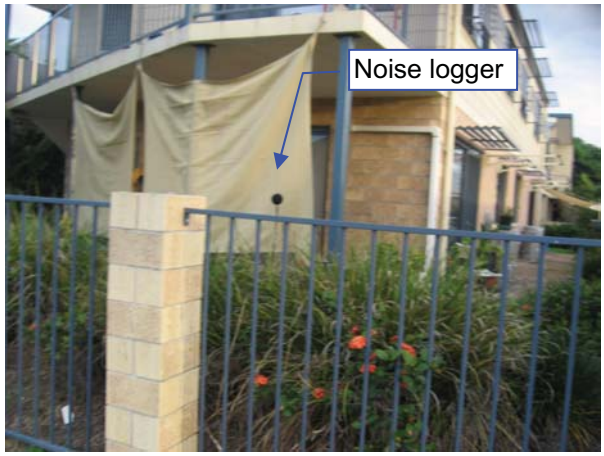
Monitoring Location	Address	Comments	Photo
1	1/19 Chalk St Wooloowin	Located 1 m from the façade in front yard facing Chalk St and approximately 100m west of the railway. ARL Noise Logger Id: S/N 19-46-30	
2	28 Bridge St Wooloowin	Located 1 m from the facade in front yard facing Bridge Street and the railway. SVAN Noise Logger Id: S/N 20663	
3	St Josephs College Spring Hill	Located 1 m from the facade facing Gregory Terrace. ARL Noise Logger Id: S/N 16-203-525	

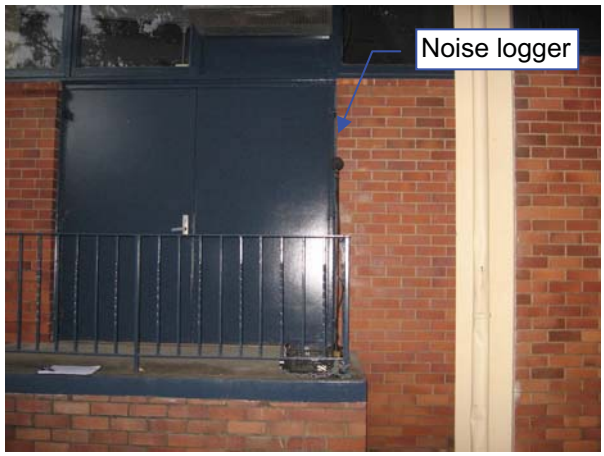
Monitoring Location	Address	Comments	Photo
4	Brisbane Girls Grammar School Spring Hill	Located 1 m from the facade towards the tracks and the Inner City Bypass. ARL Noise Logger Id: S/N 16-299-426	
5	St Andrews War Memorial Hospital Spring Hill	Located 1 m from the facade on Level 3 adjacent North Street. ARL Noise Logger Id: S/N 16-203-528	
6	Parkland Cres Spring Hill	Located 1 m from the facade, overlooking the Roma Street Station. ARL Noise Logger Id: S/N 16-203-524	

Monitoring Location	Address	Comments	Photo
7	191 George St Brisbane City	Located 1 m from the façade at the rear of the building adjacent Irish Murphy's and an empty building site. ARL Noise Logger Id: S/N 16-306-045	
8	QUT Gardens Point Brisbane City	Located 3 m from the facade facing towards the Botanic Gardens. ARL Noise logger Id: S/N 16-307-471	
9	58 Leopard St Kangaroo Point	Located 1 m from the façade at the rear of the residence. ARL Noise Logger Id: S/N 16-203-508	

Monitoring Location	Address	Comments	Photo
10	143 Park Rd Woolloongabba	Located 1m from the façade at the rear of the residence facing toward Park Road train station. ARL Noise Logger Id: S/N 16-203-524	
11	Dutton Park State School Dutton Park	Located 1 m from facade towards the railway at the back of the school. Has a noise barrier for the railway noise. ARL Noise Logger Id: S/N 16-203-505	
12	19 Dutton St Dutton Park	Located 1 m from façade at side of the residence, facing toward the railway. ARL Noise Logger Id: S/N 16 203 529	

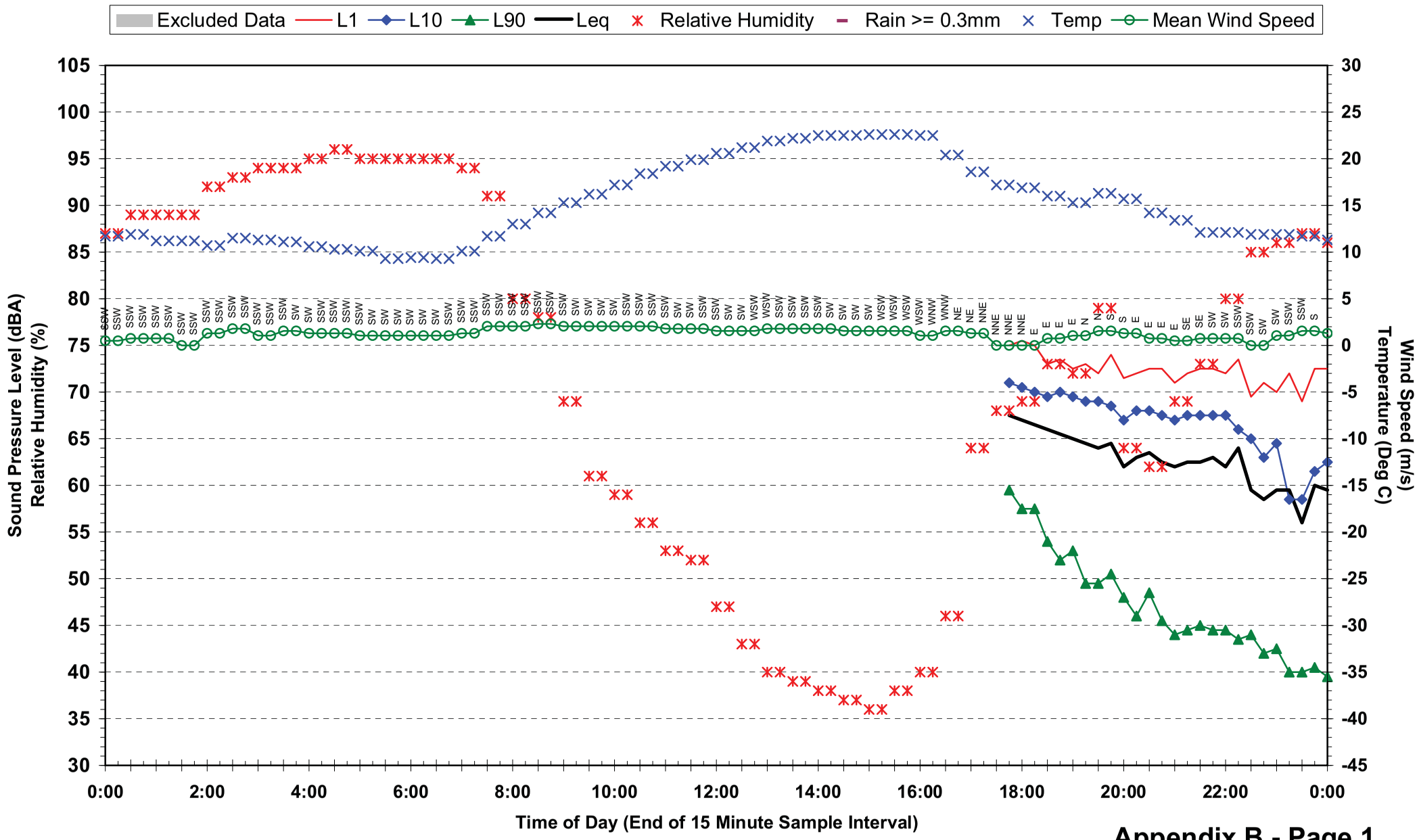
Monitoring Location	Address	Comments	Photo
13	4 Fenton St Fairfield	Located 1 m from façade at side of the residence, adjacent railway. Has a noise barrier for the railway noise. ARL Noise Logger Id: S/N 16-302-483	
14	17 Lagonda St Annerley	Located 1 m from facade towards the railway at the rear of the residence. Has noise barrier for the railway noise. ARL Noise Logger Id: S/N 16-203-525	
15	Yeronga State High School Yeronga	Located in free field next to soccer field approximately 140 m from rail tracks and approximately 100 m from school. ARL Noise Logger Id: S/N 16 302 483	

Monitoring Location	Address	Comments	Photo
16	3 Cardross St Yeronga	Located 1 m from façade at rear of residence facing toward railway. Has a noise barrier at end of street for rail noise. ARL Noise Logger Id: S/N 19-46-30	
17	1223 Ipswich Mwy Moorooka	Located 1 m from facade towards the railway at the back. Has noise barrier for the railway noise. ARL Noise Logger Id: S/N 16-301-471	
18	2/59 Brooke St Rocklea	Located 3 m from façade facing toward Rocklea train station. ARL Noise Logger Id: S/N 16-203-505	

Monitoring Location	Address	Comments	Photo
19	Nyanda State High School Salisbury	Located 1 m from façade at rear of school hall and facing railway. ARL Noise Logger Id: S/N 16-203-527	
20	14 Bellevue Ave Salisbury	Located 1 m from façade in front yard facing Bellevue Ave and approximately 150 m north east of railway. ARL Noise Logger Id: S/N 16-306-045	

GRAPHICAL PRESENTATION OF STATISTICAL AMBIENT NOISE LEVELS

Statistical Ambient Noise Levels
Location 1 - 1/19 Chalk St - Tuesday 18 May 2010

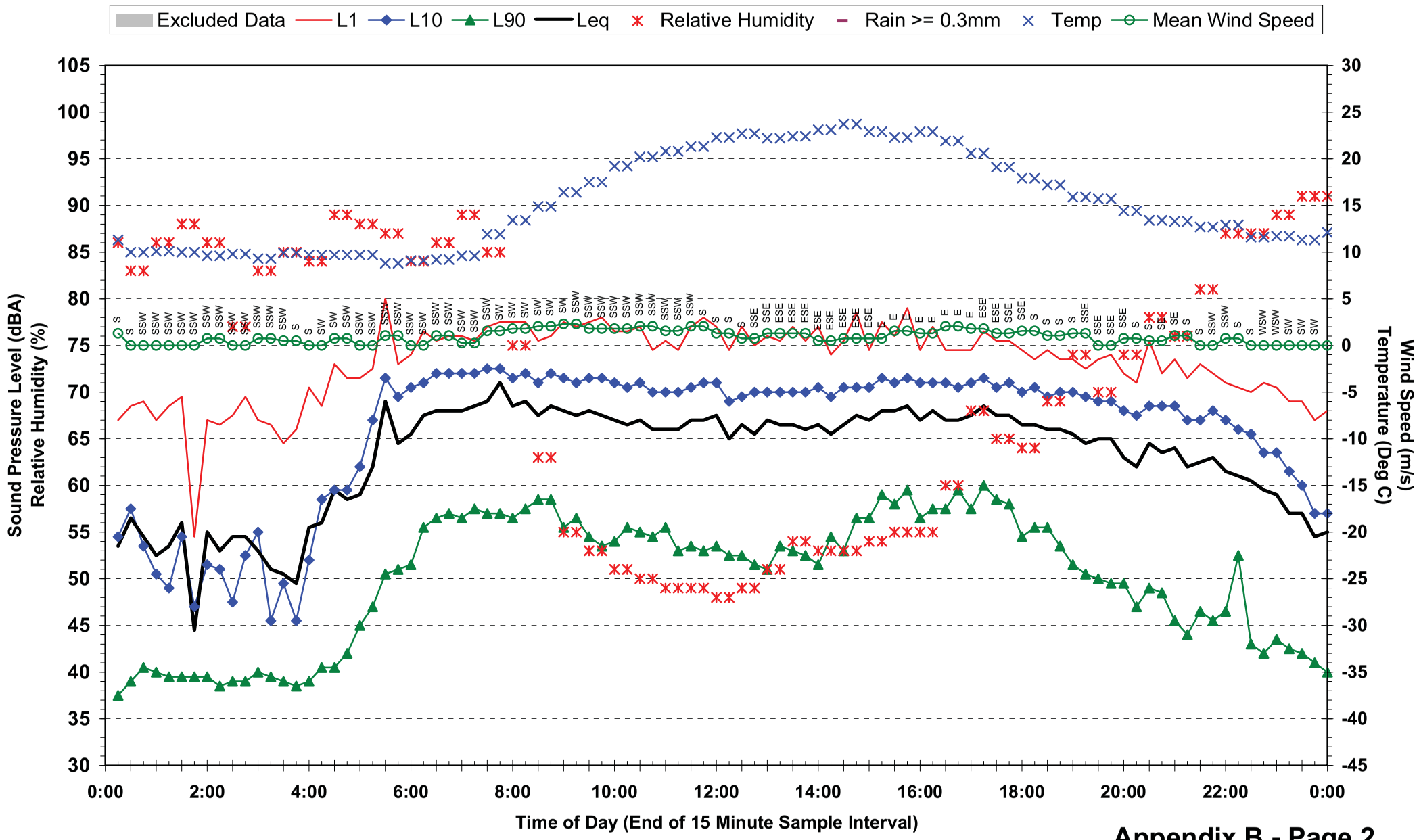


Appendix B - Page 1

Ambient Conditions

RHA Report 20-2524

Statistical Ambient Noise Levels
Location 1 - 1/19 Chalk St - Wednesday 19 May 2010

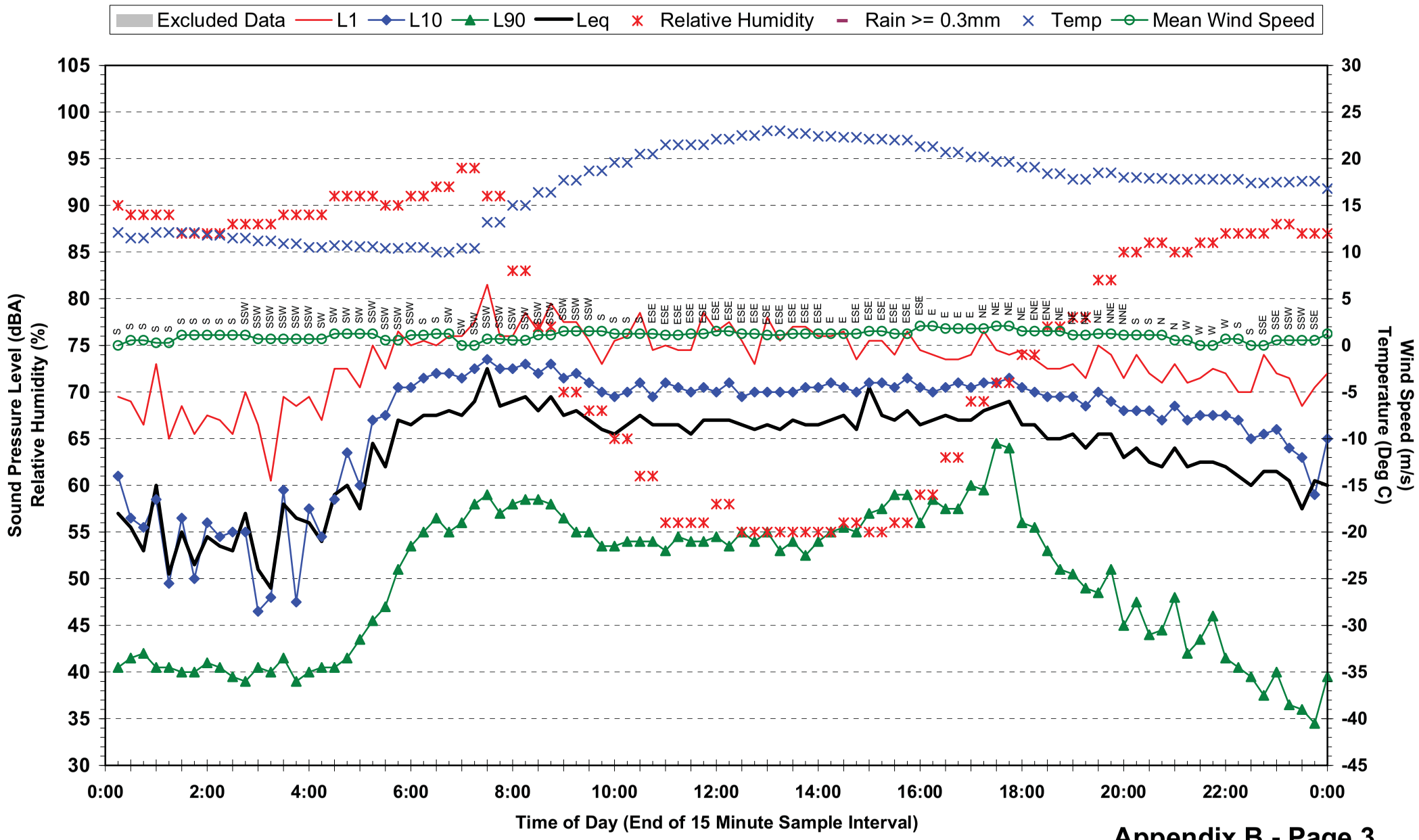


Appendix B - Page 2

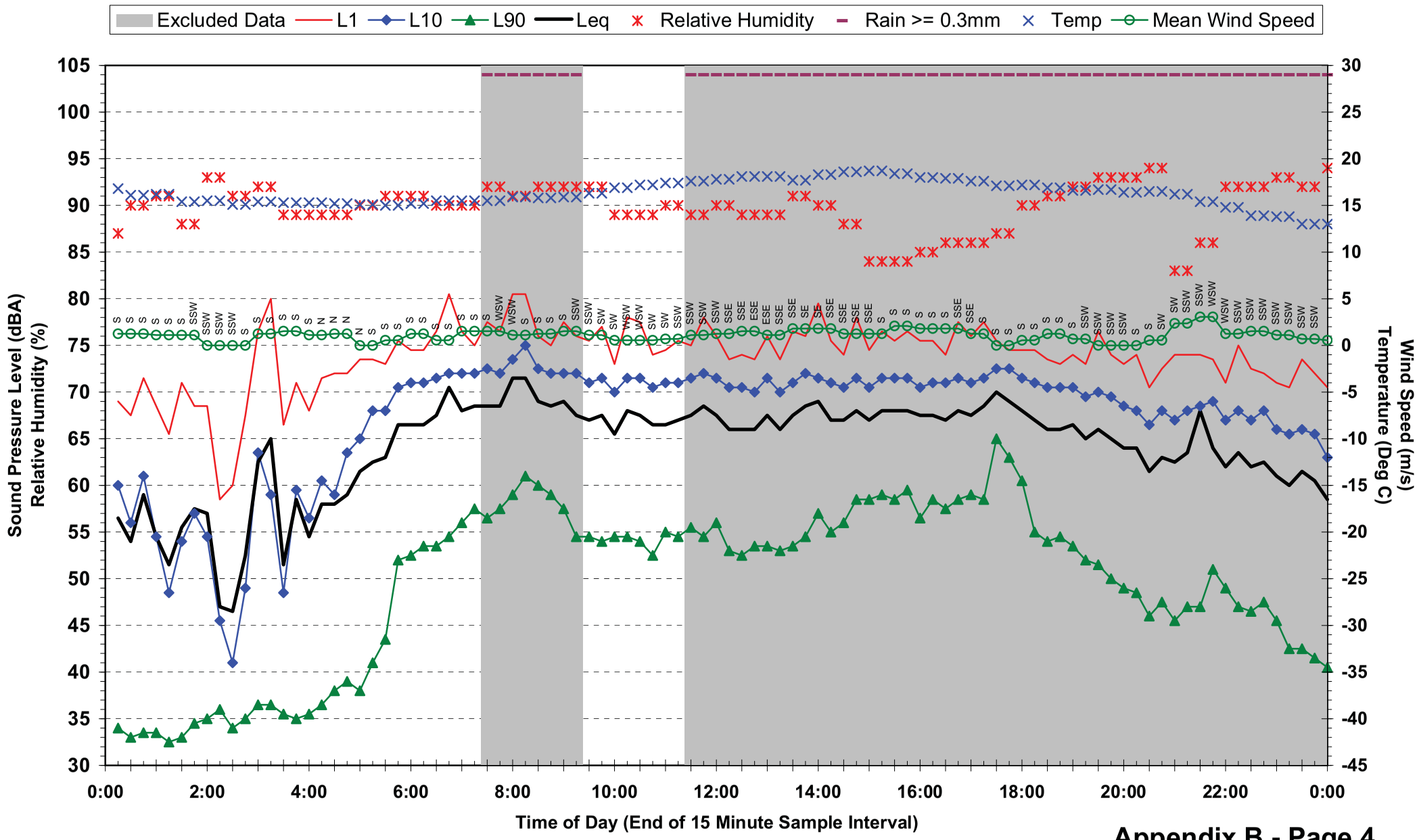
Ambient Conditions

RHA Report 20-2524

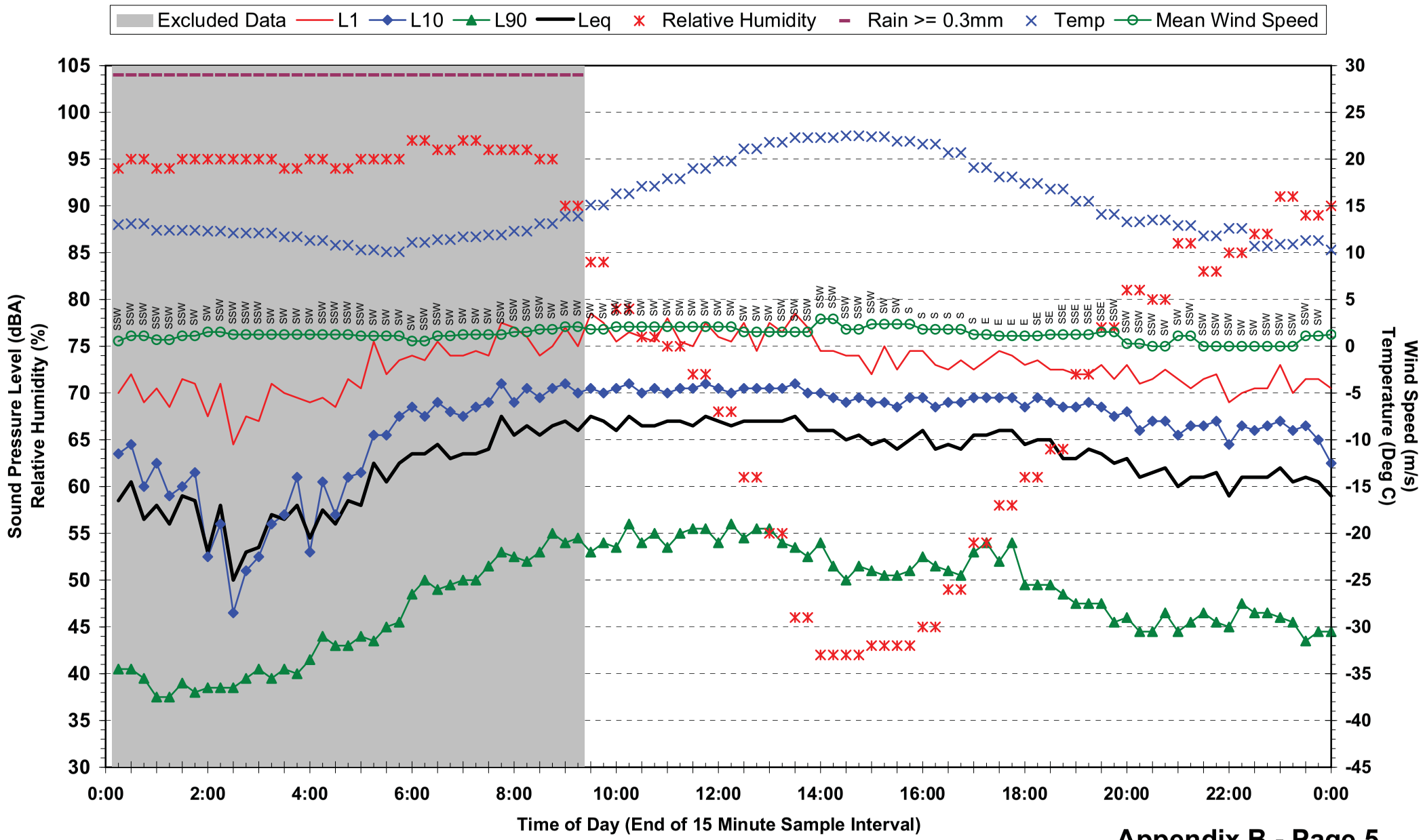
Statistical Ambient Noise Levels
Location 1 - 1/19 Chalk St - Thursday 20 May 2010



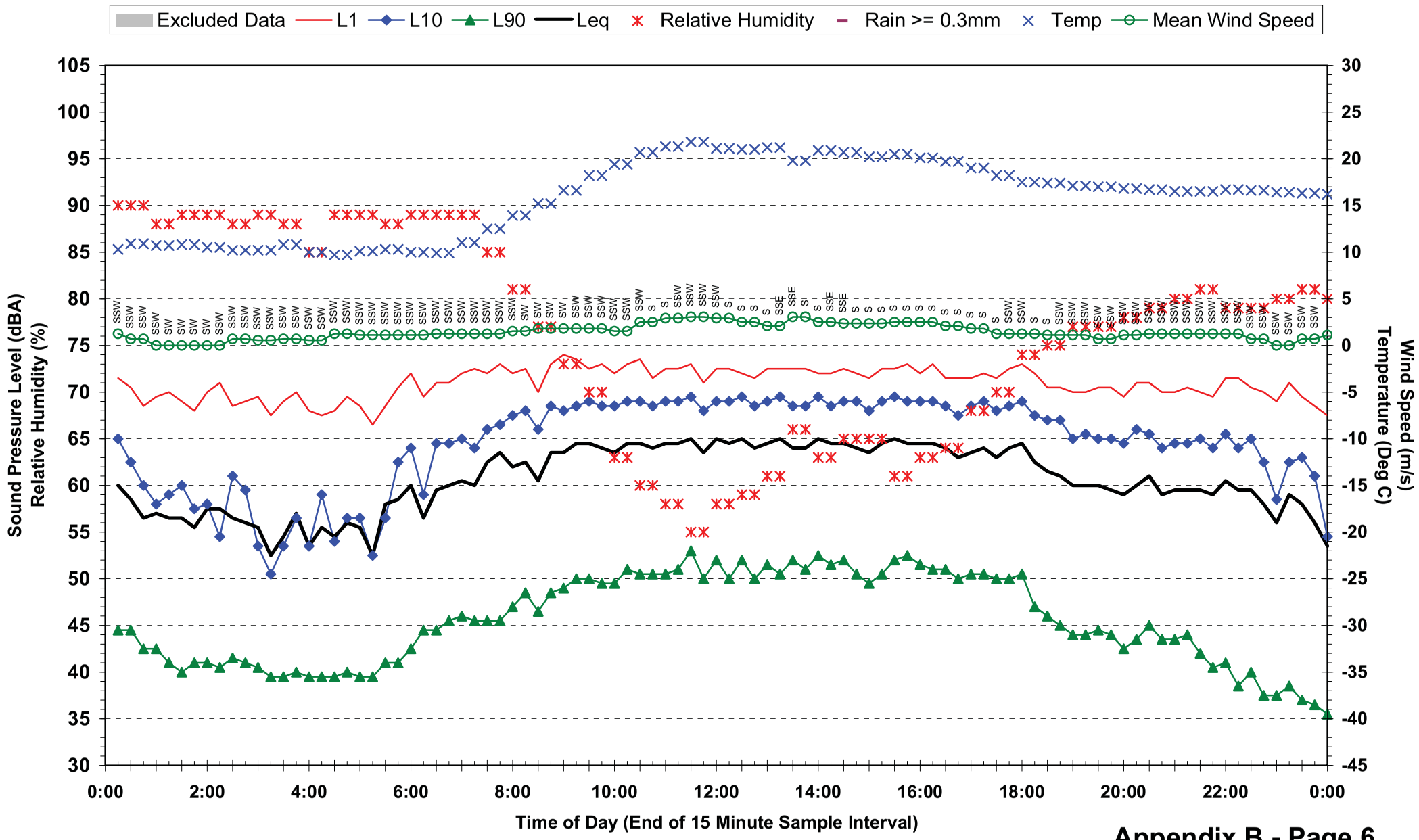
Statistical Ambient Noise Levels
Location 1 - 1/19 Chalk St - Friday 21 May 2010



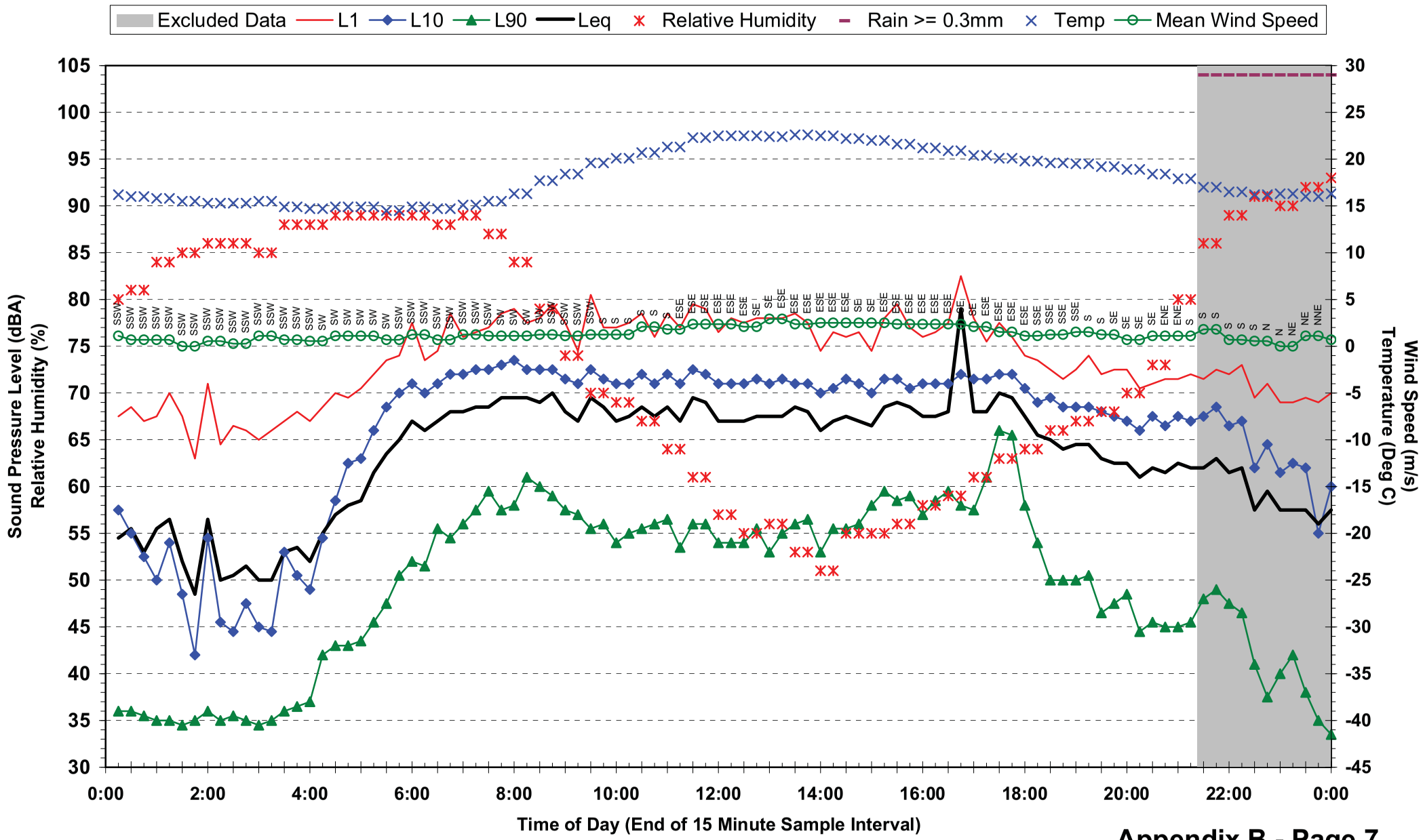
Statistical Ambient Noise Levels
Location 1 - 1/19 Chalk St - Saturday 22 May 2010



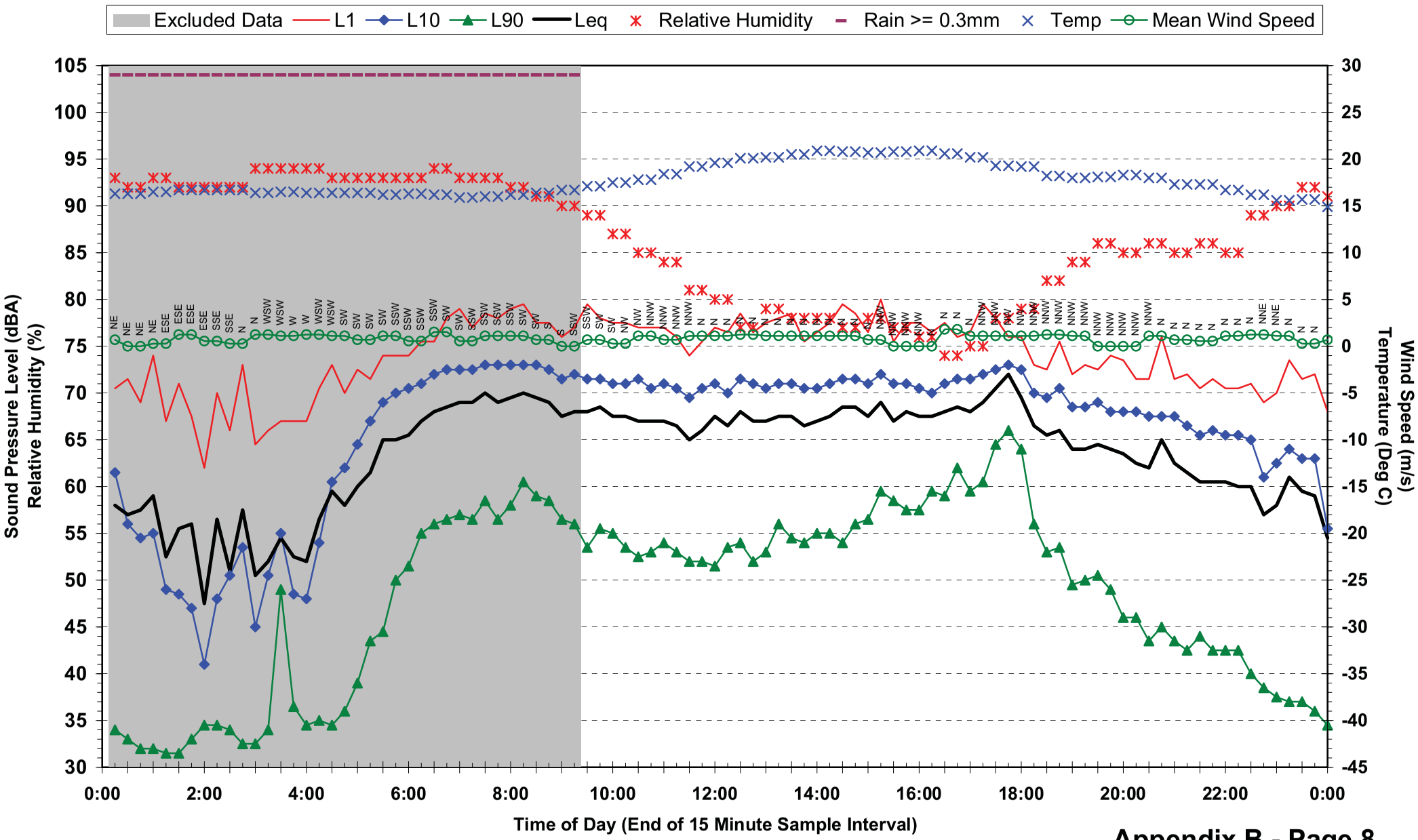
Statistical Ambient Noise Levels
Location 1 - 1/19 Chalk St - Sunday 23 May 2010



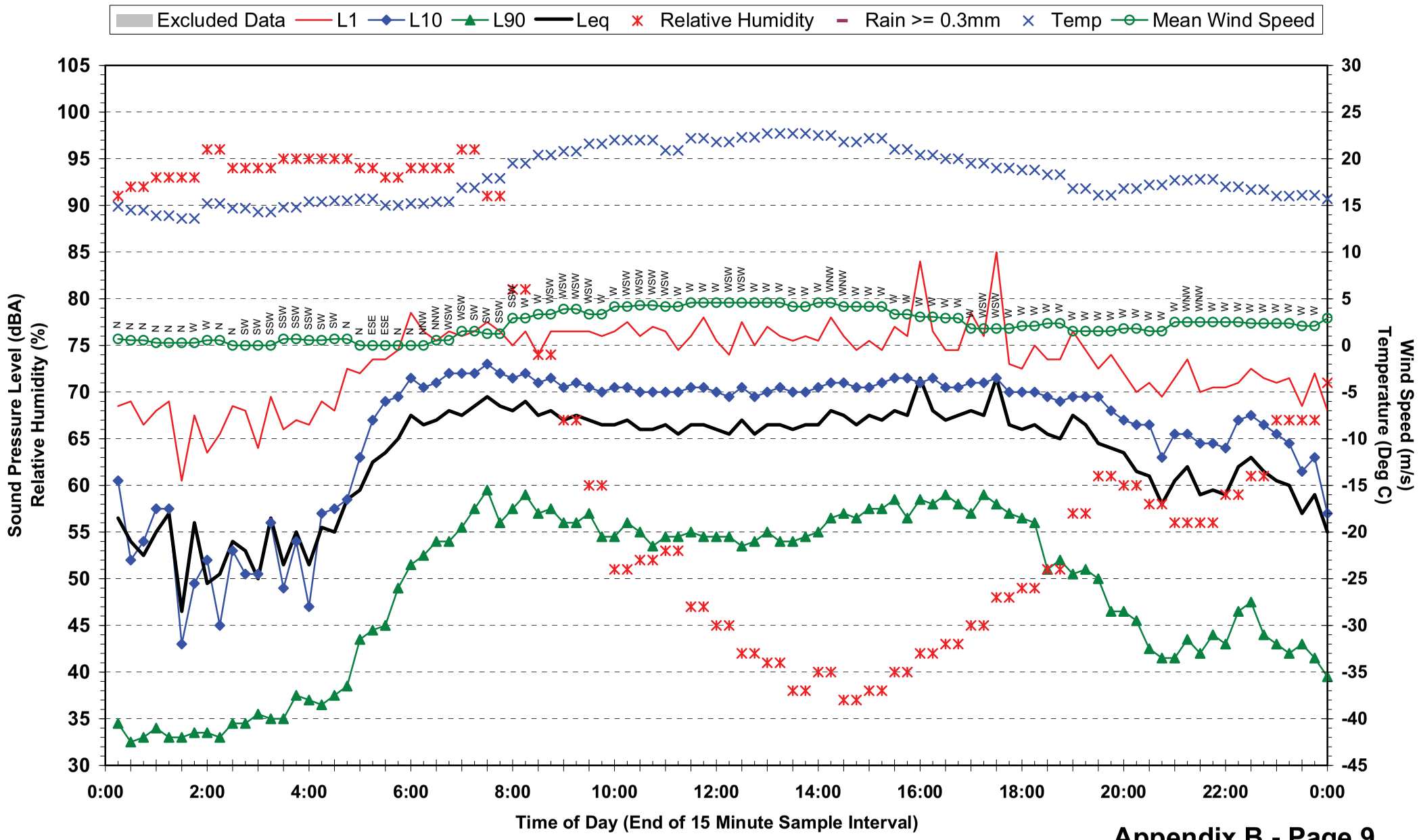
Statistical Ambient Noise Levels
Location 1 - 1/19 Chalk St - Monday 24 May 2010



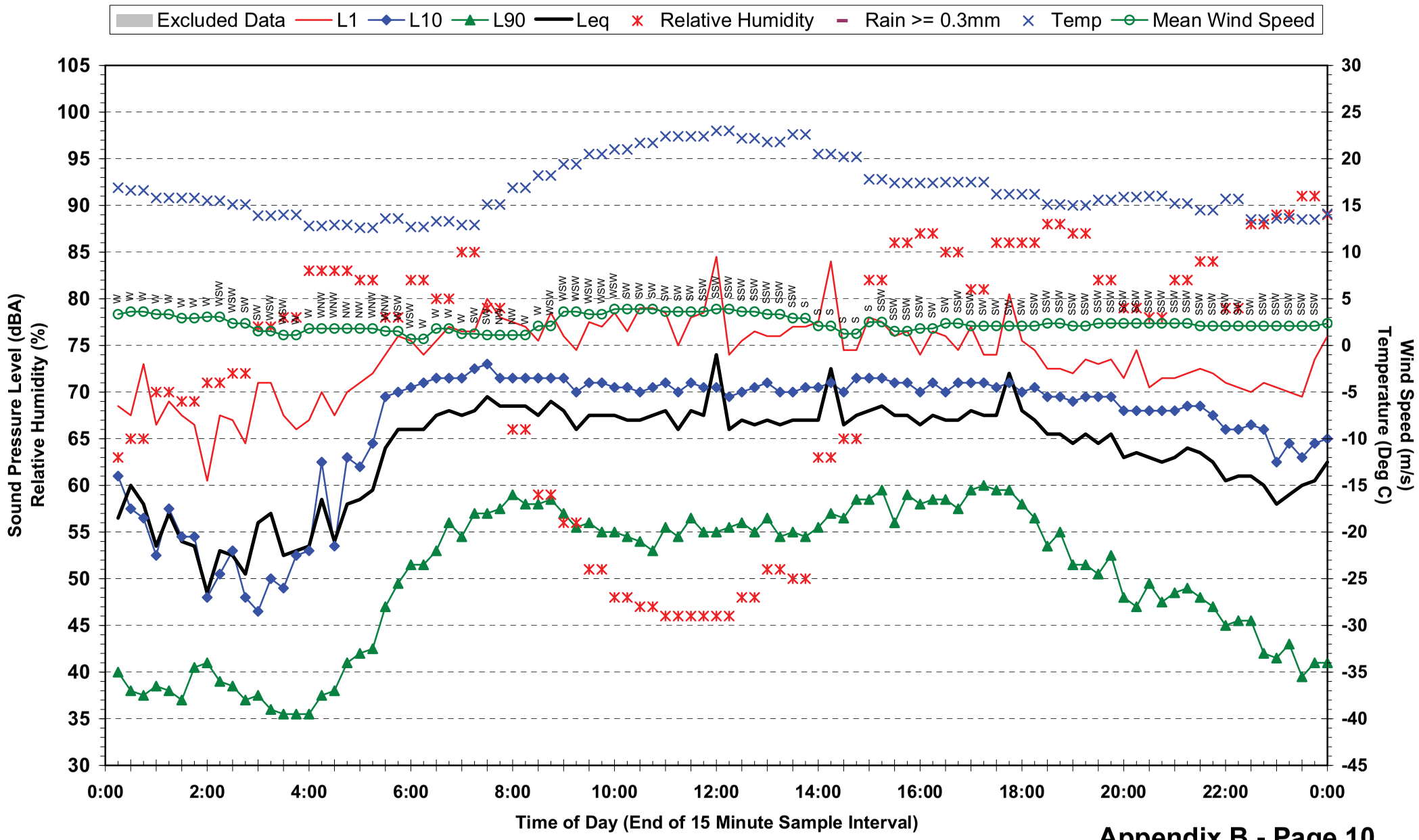
Statistical Ambient Noise Levels
Location 1 - 1/19 Chalk St - Tuesday 25 May 2010



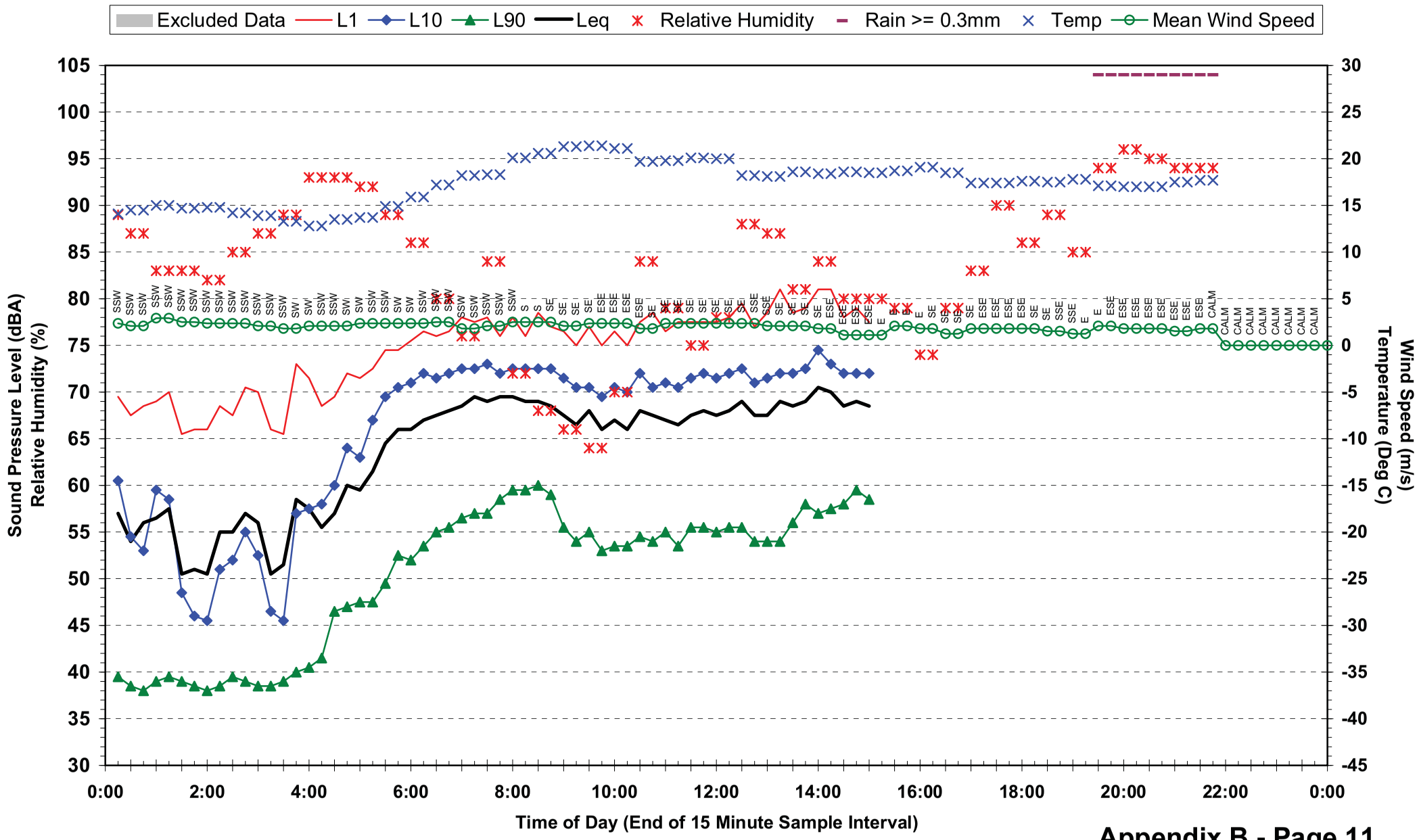
Statistical Ambient Noise Levels
Location 1 - 1/19 Chalk St - Wednesday 26 May 2010



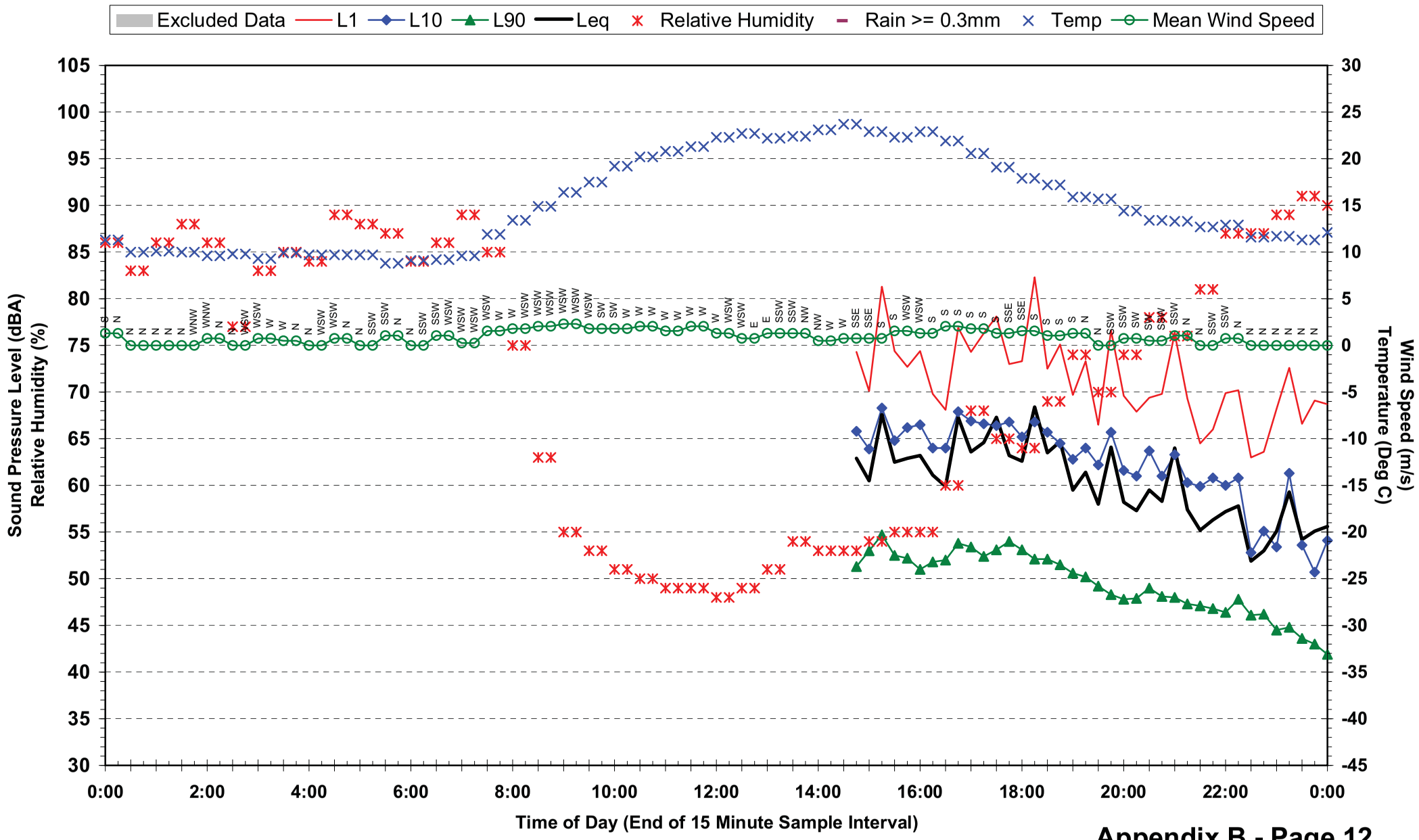
Statistical Ambient Noise Levels
Location 1 - 1/19 Chalk St - Thursday 27 May 2010



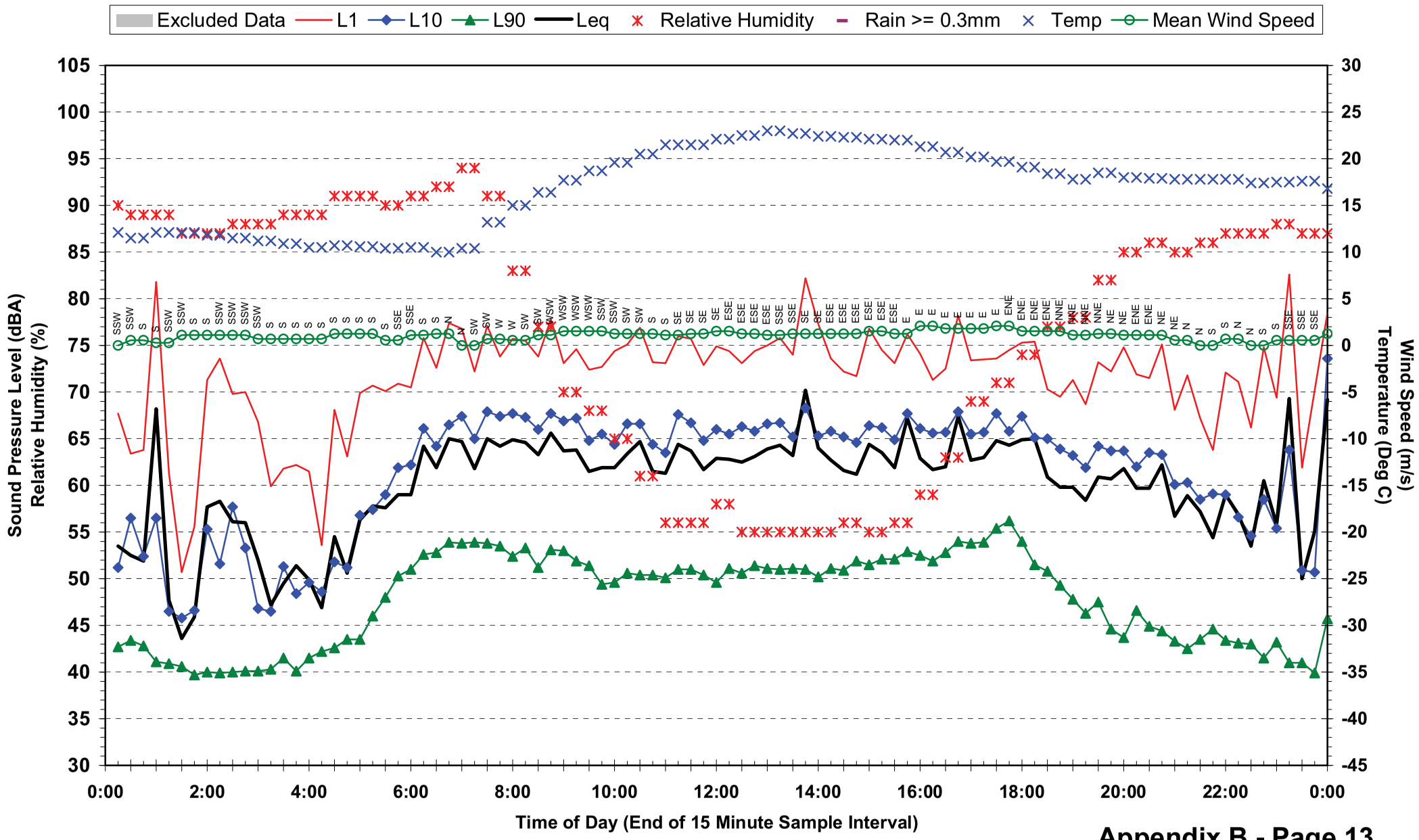
Statistical Ambient Noise Levels
Location 1 - 1/19 Chalk St - Friday 28 May 2010



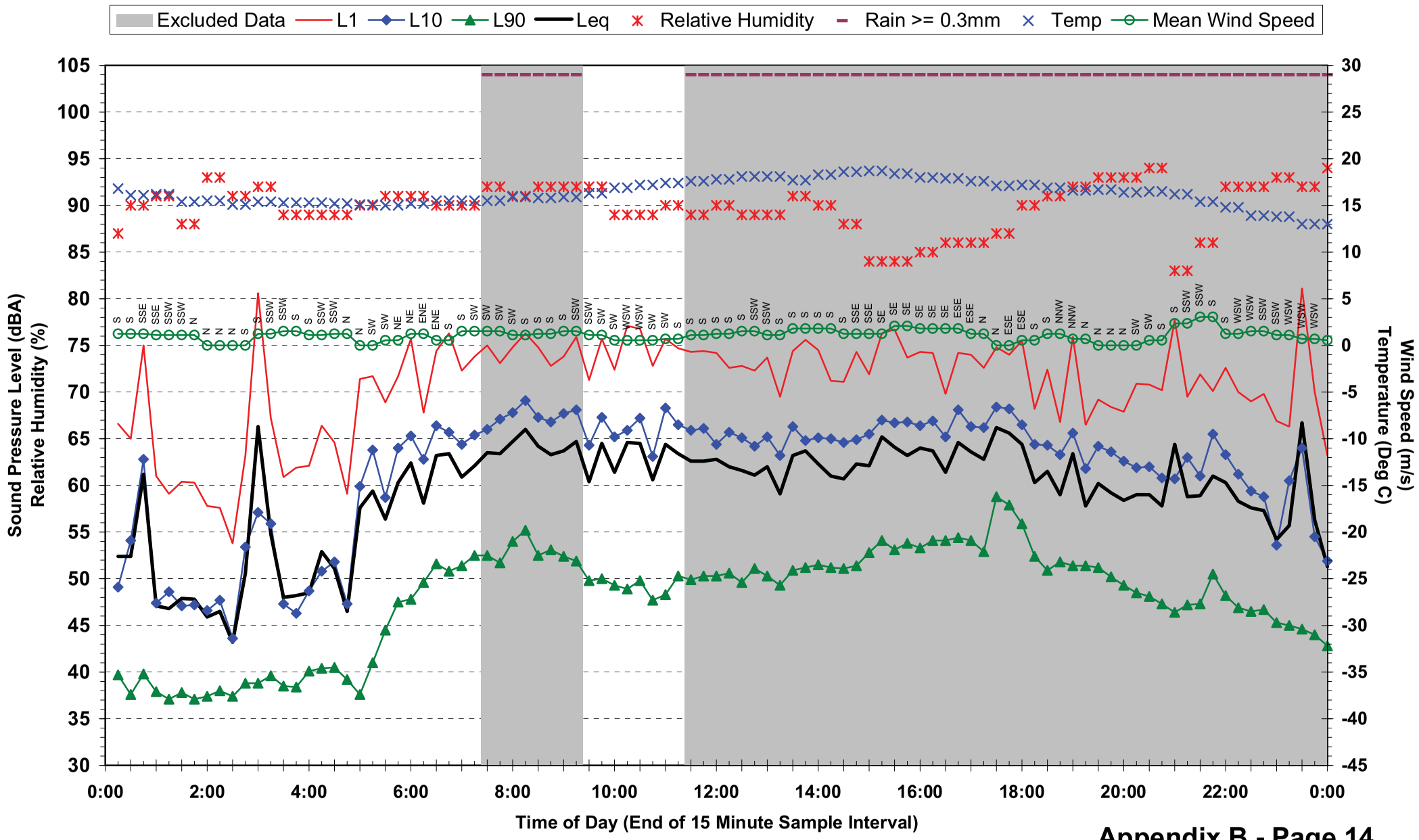
Statistical Ambient Noise Levels
Location 2 - 28 Bridge St - Wednesday 19 May 2010



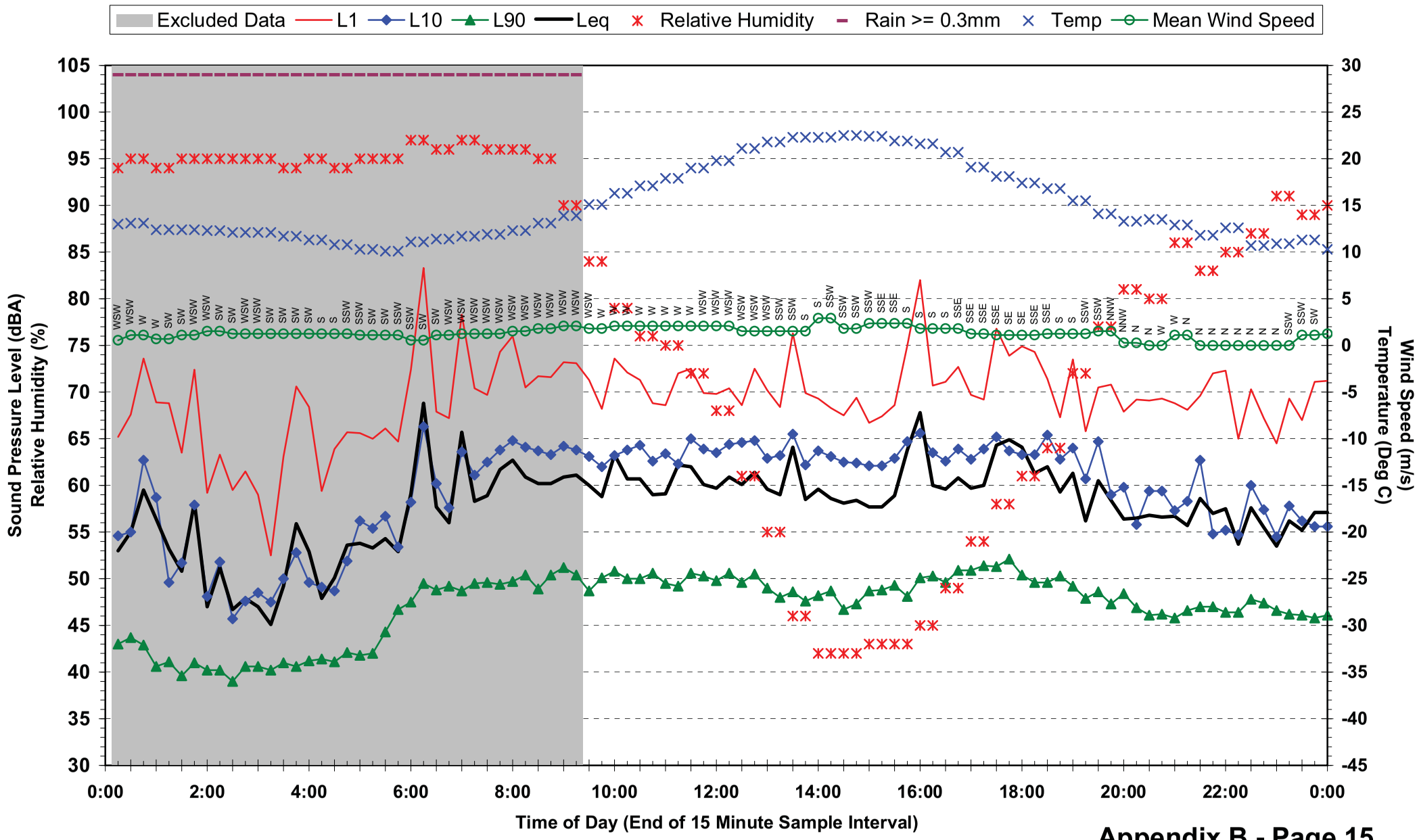
Statistical Ambient Noise Levels
Location 2 - 28 Bridge St - Thursday 20 May 2010



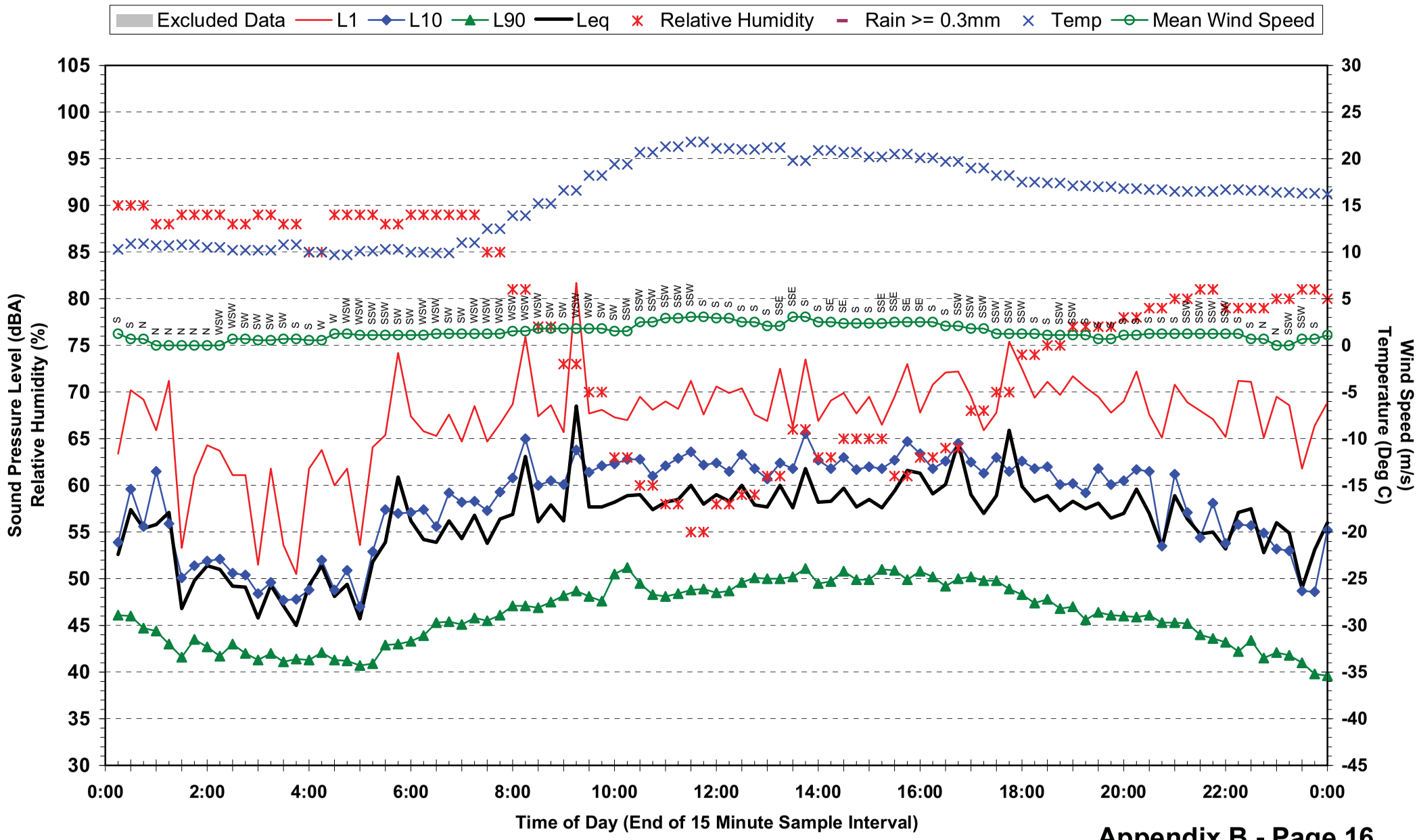
Statistical Ambient Noise Levels
Location 2 - 28 Bridge St - Friday 21 May 2010



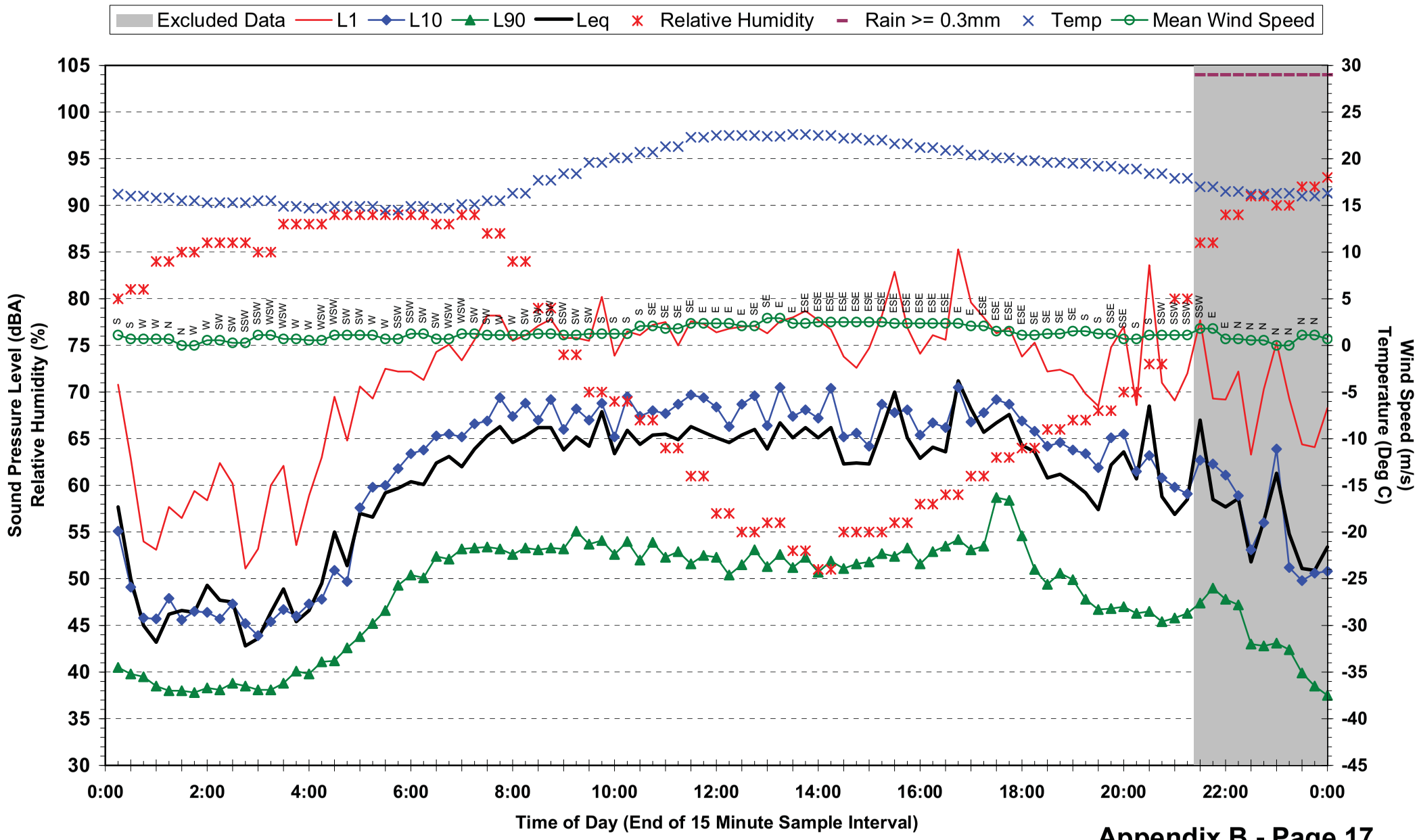
Statistical Ambient Noise Levels
Location 2 - 28 Bridge St - Saturday 22 May 2010



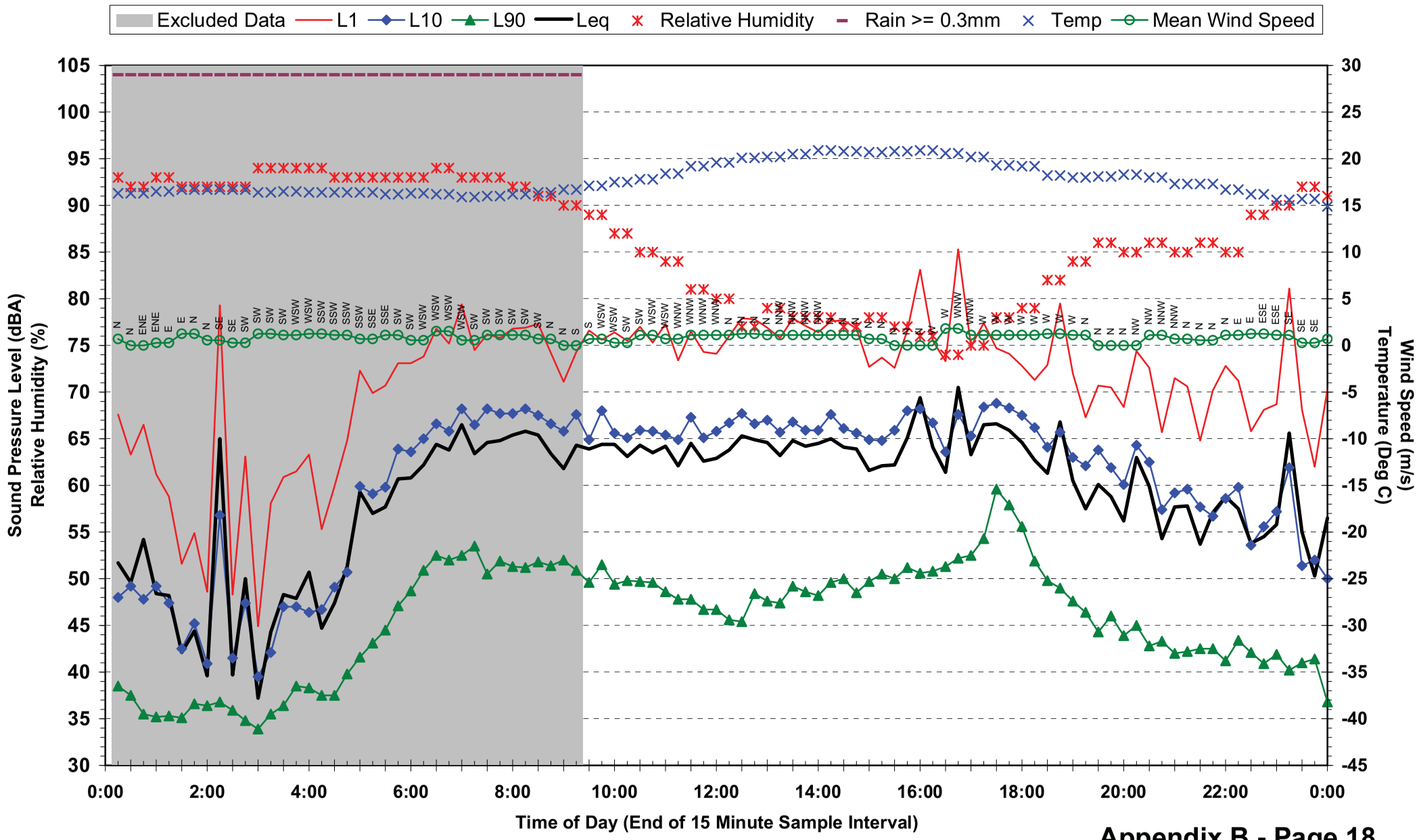
Statistical Ambient Noise Levels
Location 2 - 28 Bridge St - Sunday 23 May 2010



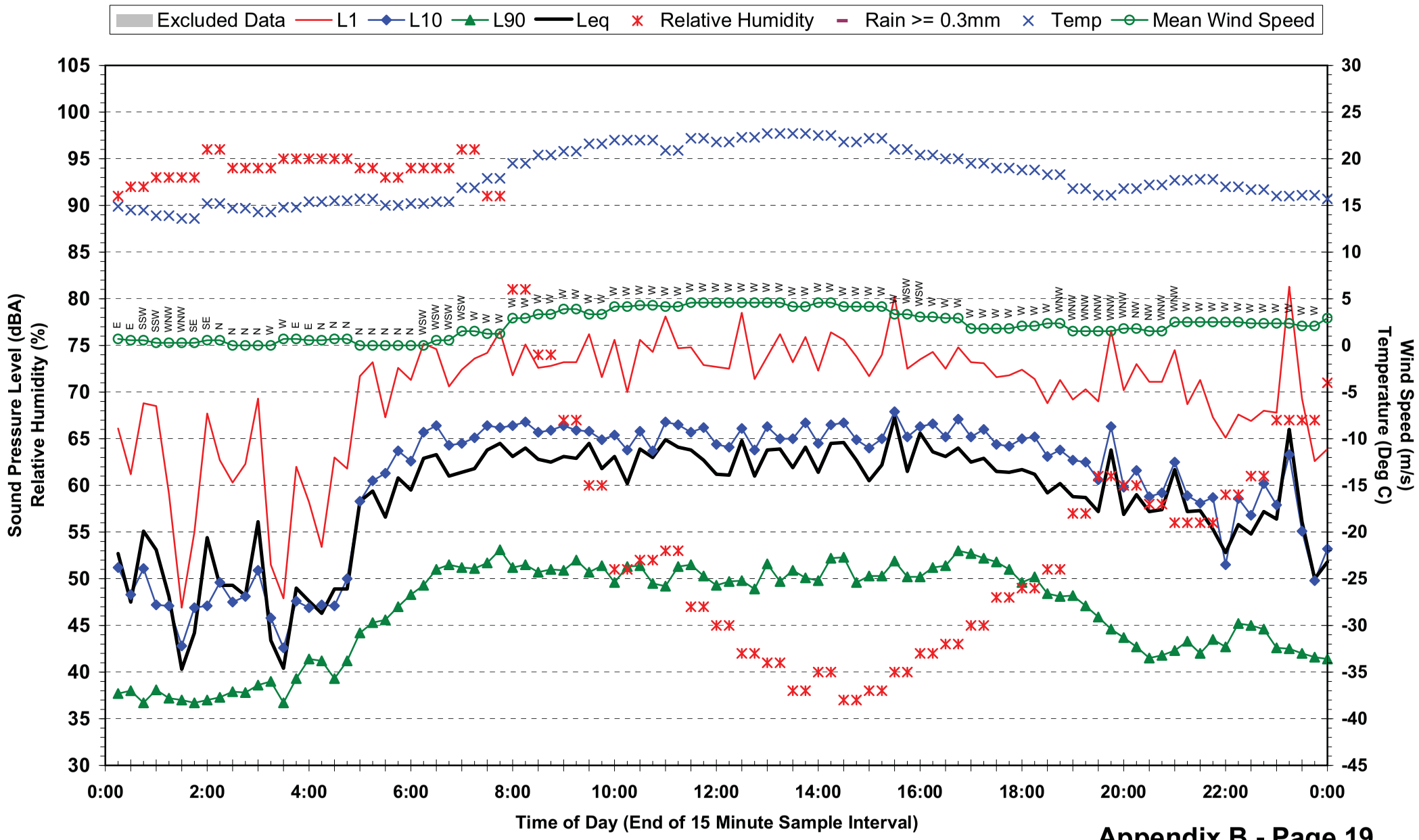
Statistical Ambient Noise Levels
Location 2 - 28 Bridge St - Monday 24 May 2010



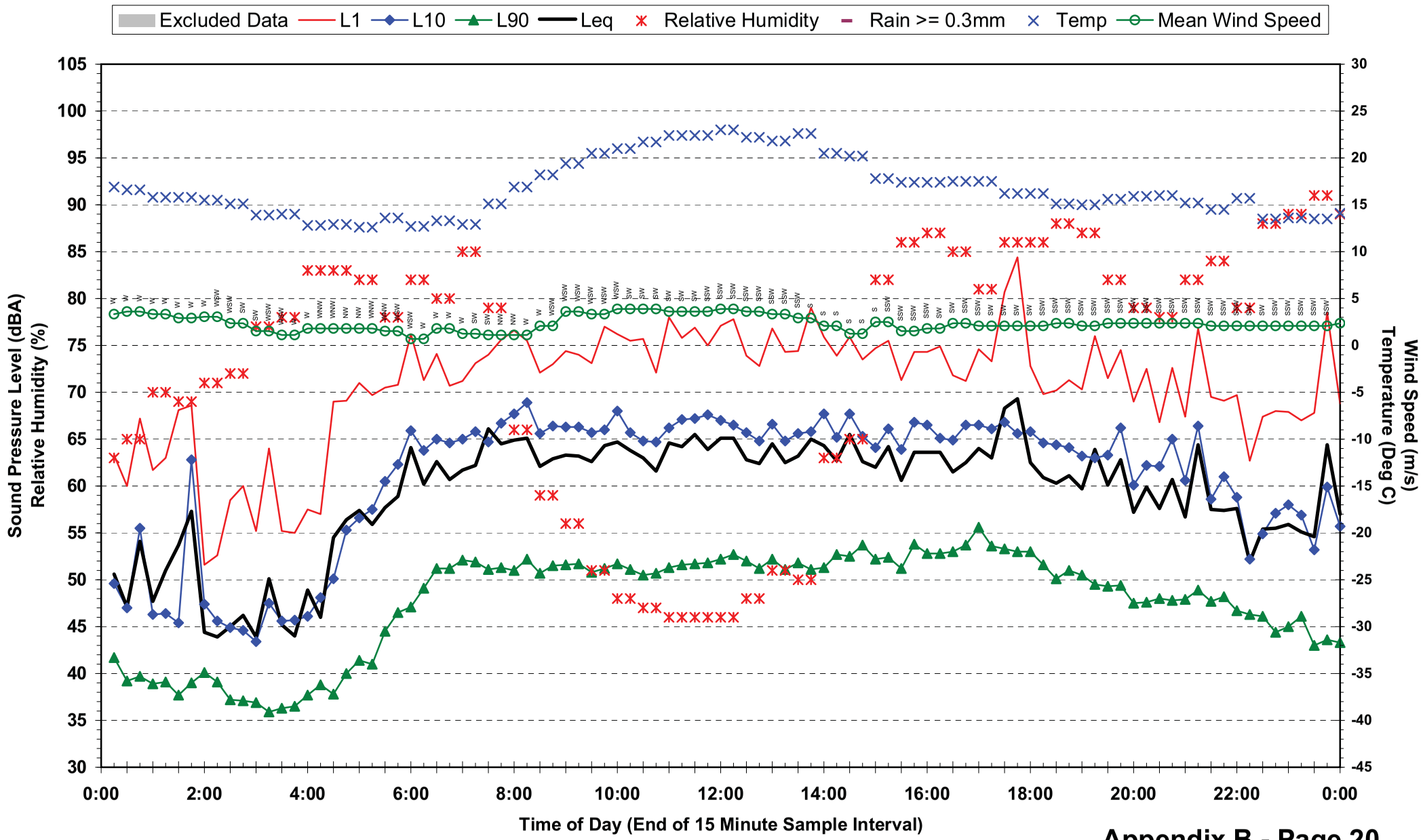
Statistical Ambient Noise Levels
Location 2 - 28 Bridge St - Tuesday 25 May 2010



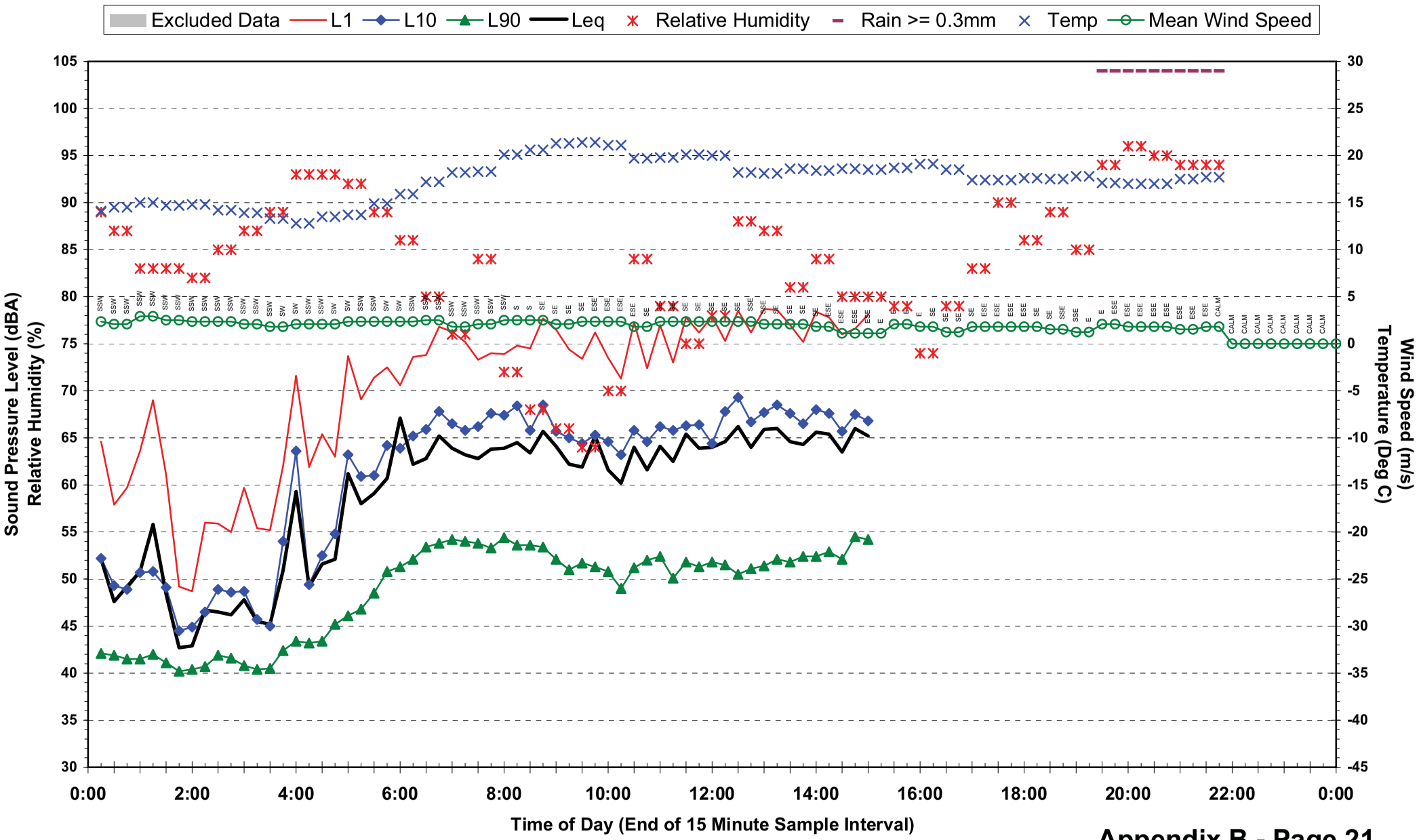
Statistical Ambient Noise Levels
Location 2 - 28 Bridge St - Wednesday 26 May 2010



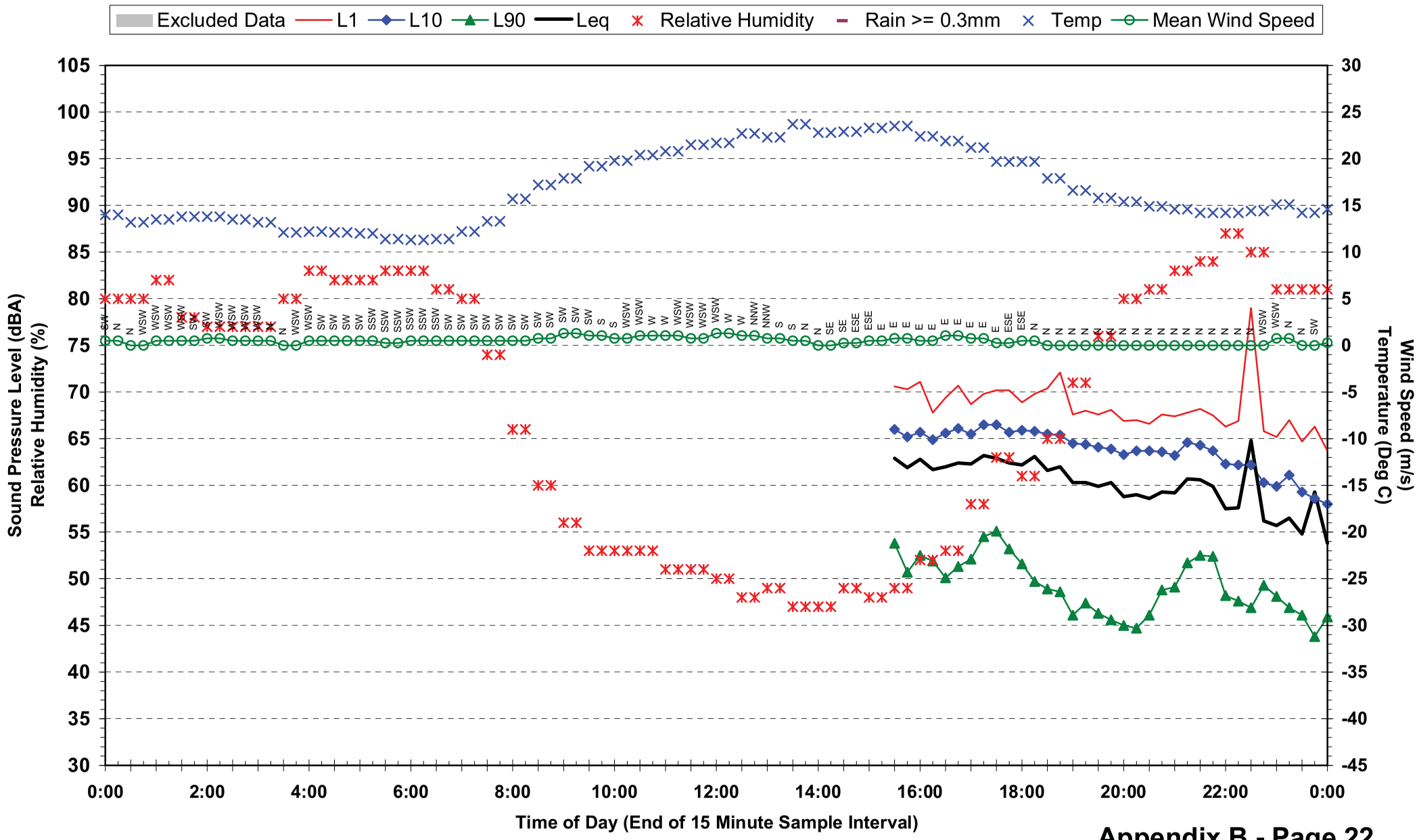
Statistical Ambient Noise Levels
Location 2 - 28 Bridge St - Thursday 27 May 2010



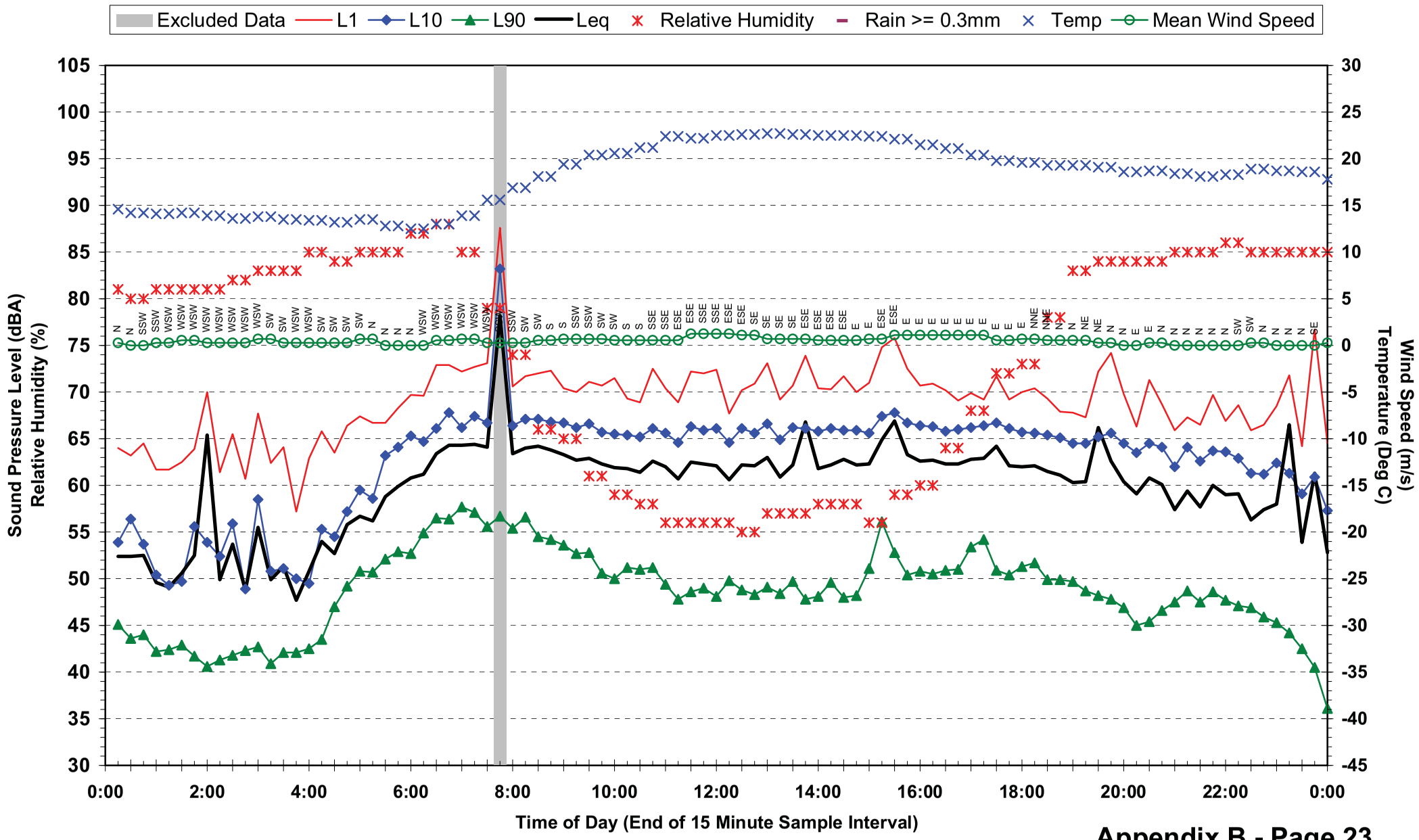
Statistical Ambient Noise Levels
Location 2 - 28 Bridge St - Friday 28 May 2010



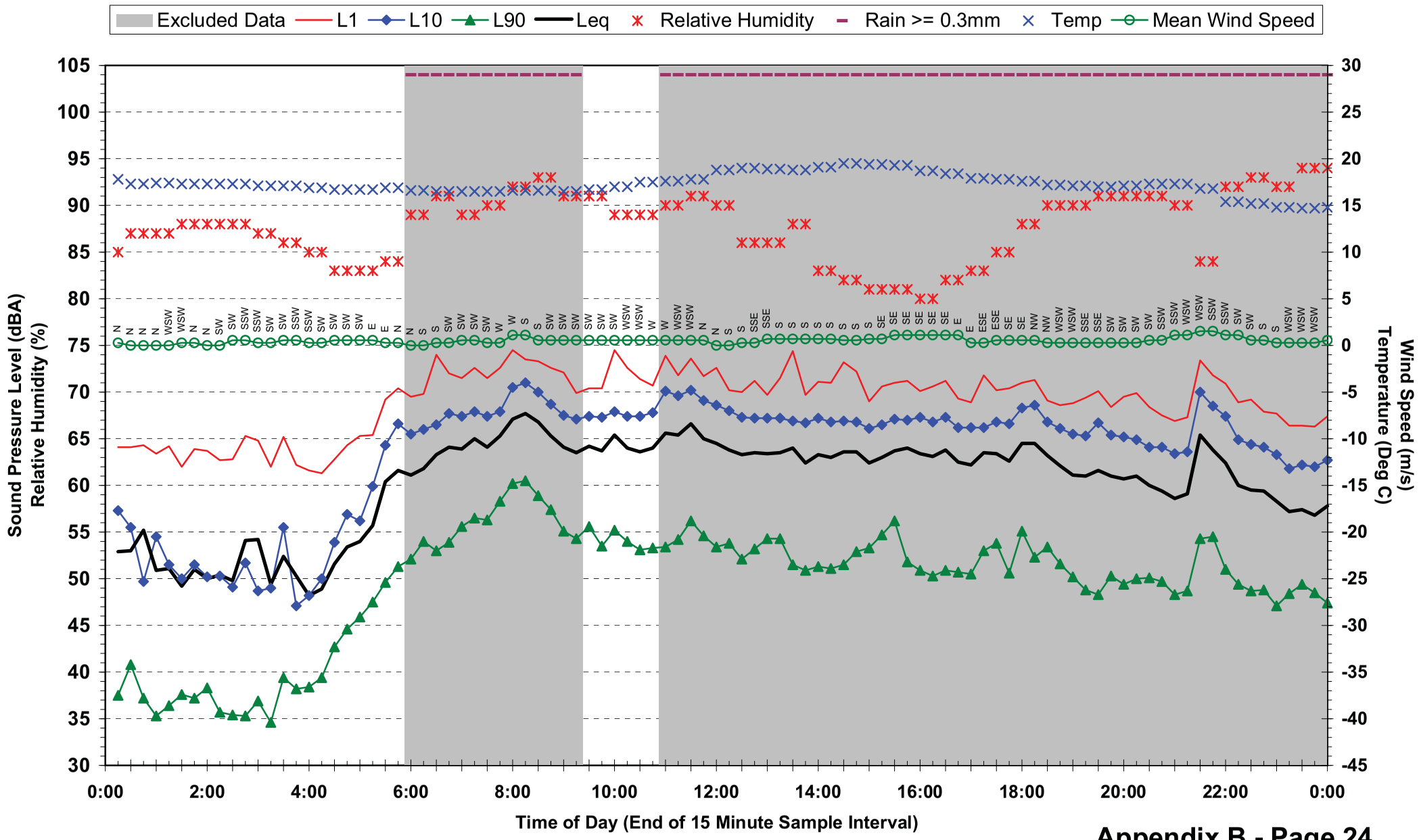
Statistical Ambient Noise Levels
Location 3 - St Josephs College Gregory Tce - Wednesday 19 May 2010



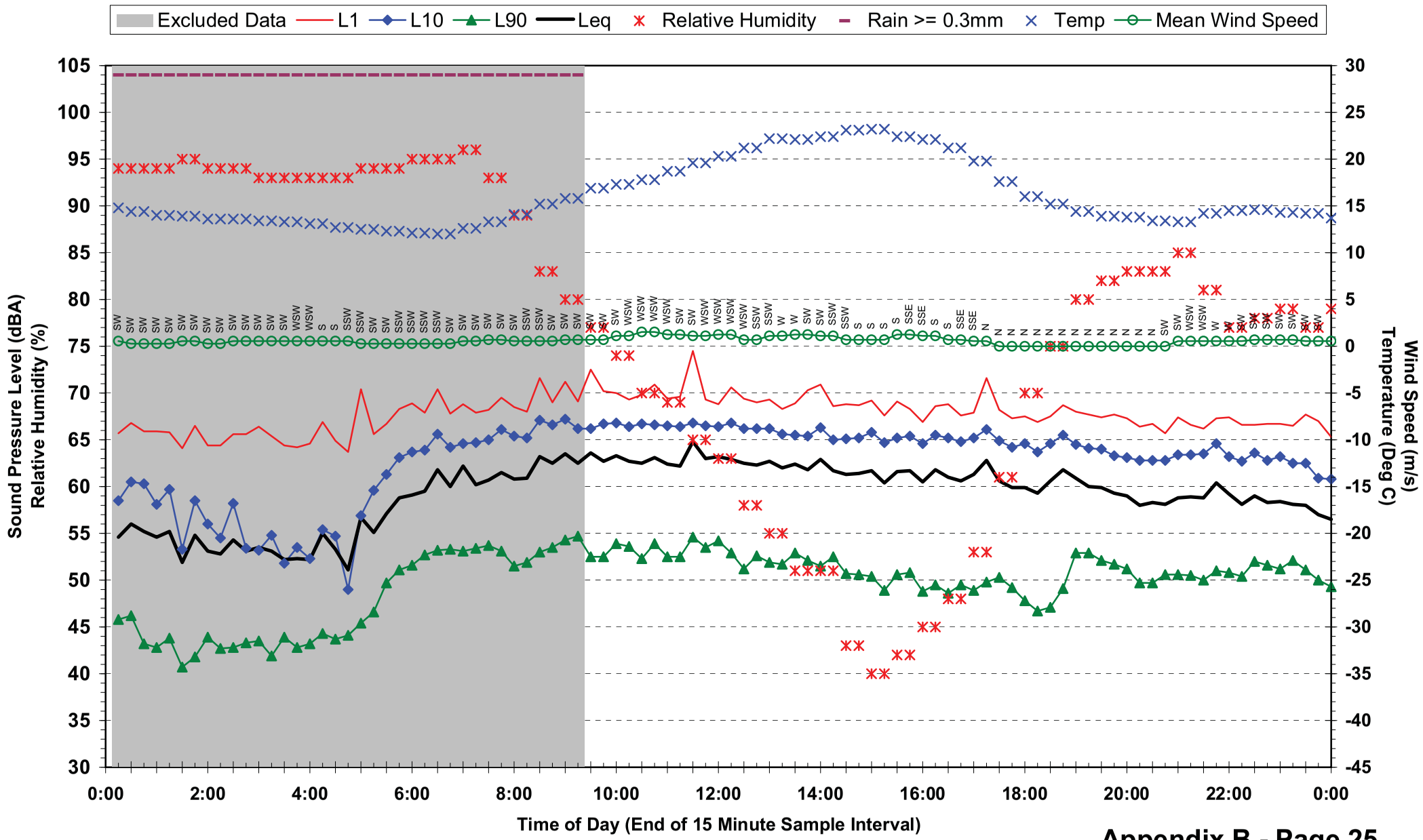
Statistical Ambient Noise Levels
Location 3 - St Josephs College Gregory Tce - Thursday 20 May 2010



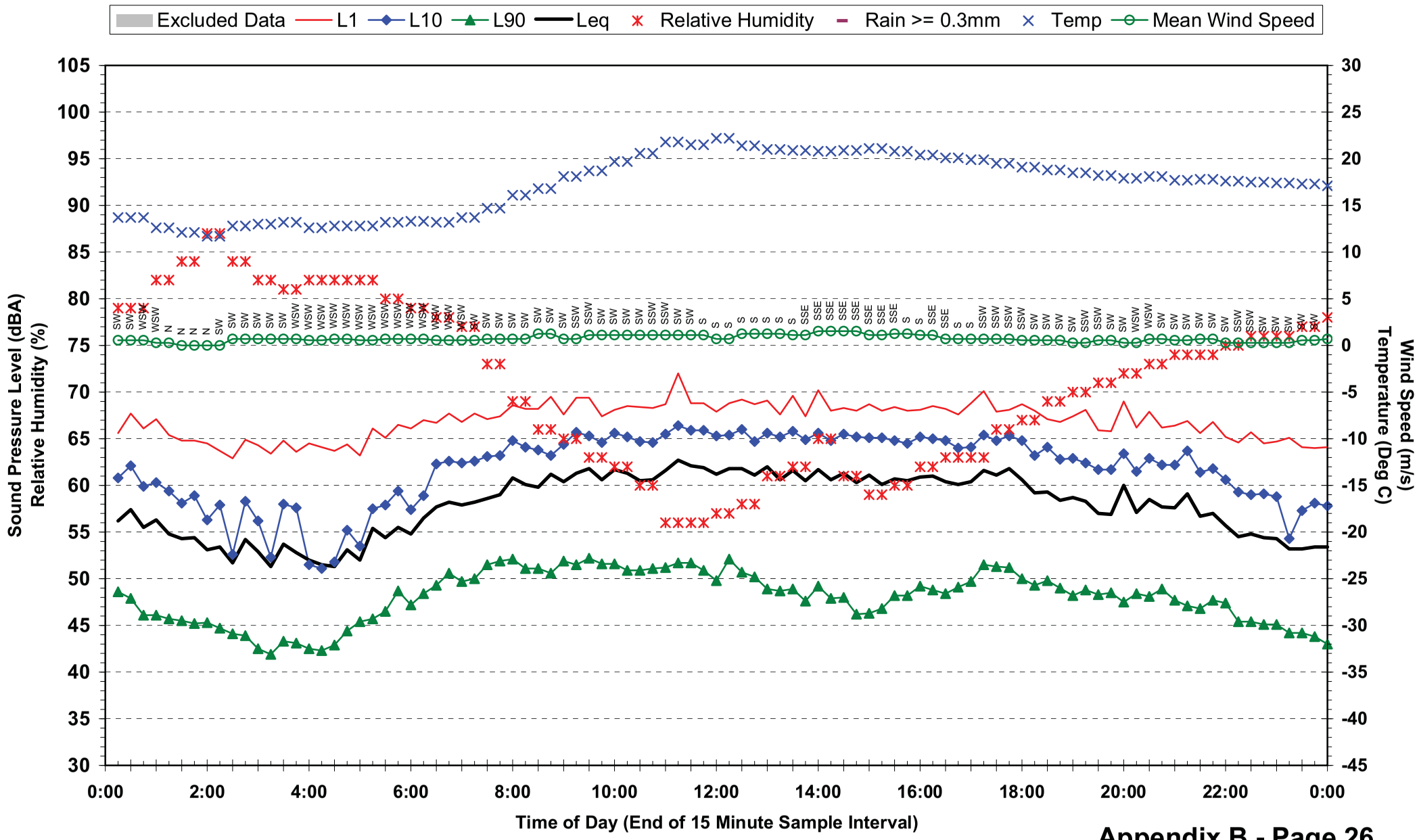
Statistical Ambient Noise Levels
Location 3 - St Josephs College Gregory Tce - Friday 21 May 2010



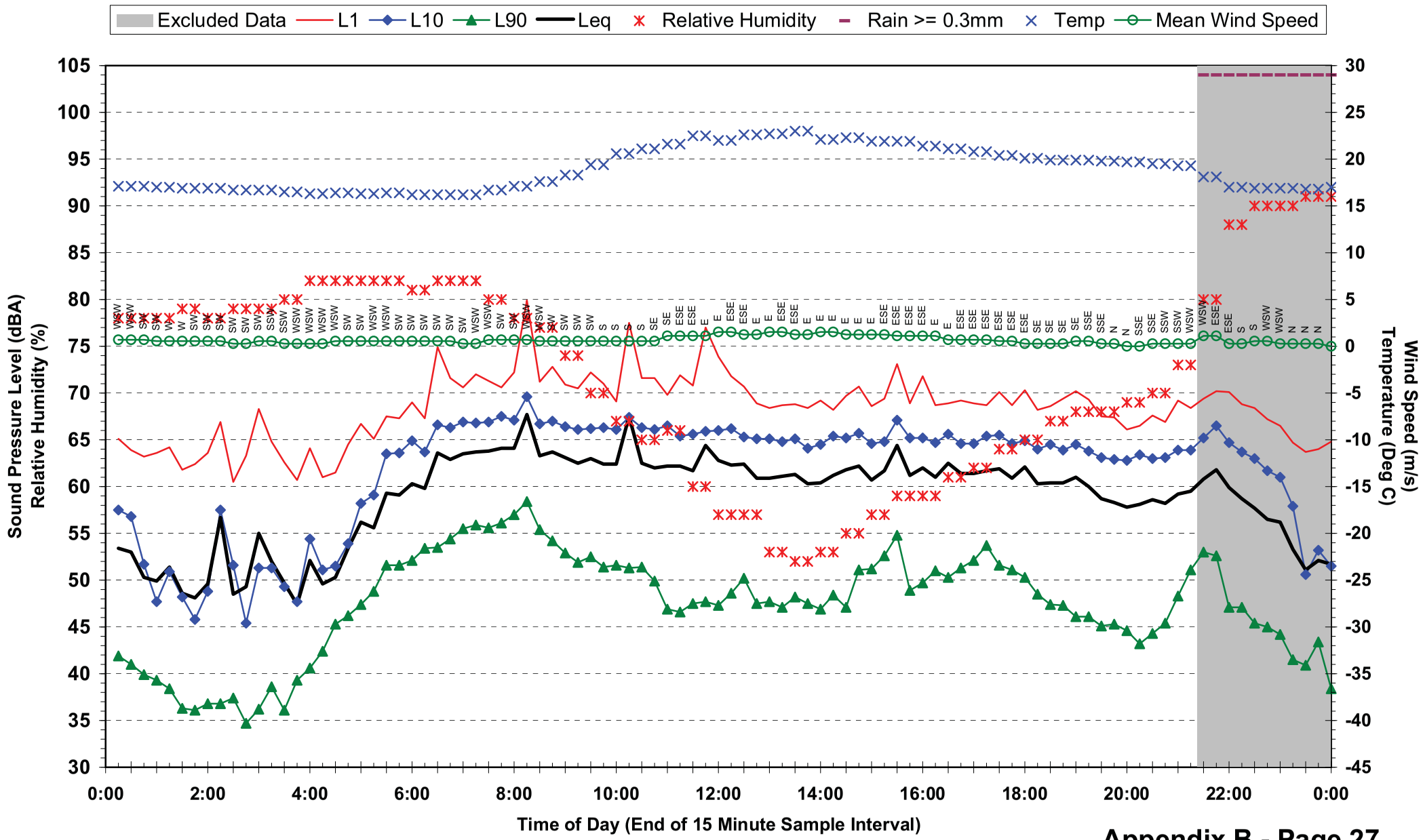
Statistical Ambient Noise Levels
Location 3 - St Josephs College Gregory Tce - Saturday 22 May 2010



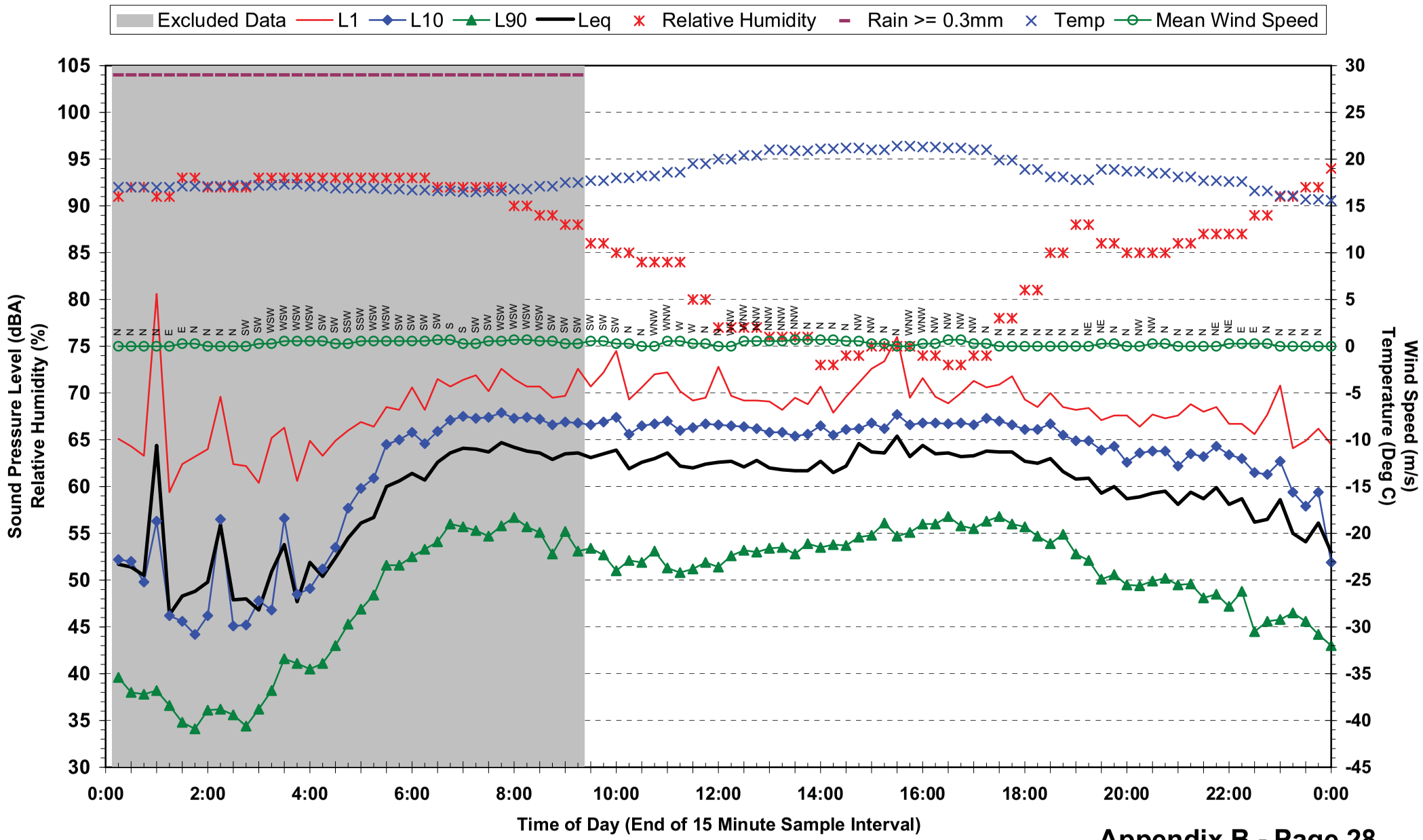
Statistical Ambient Noise Levels
Location 3 - St Josephs College Gregory Tce - Sunday 23 May 2010



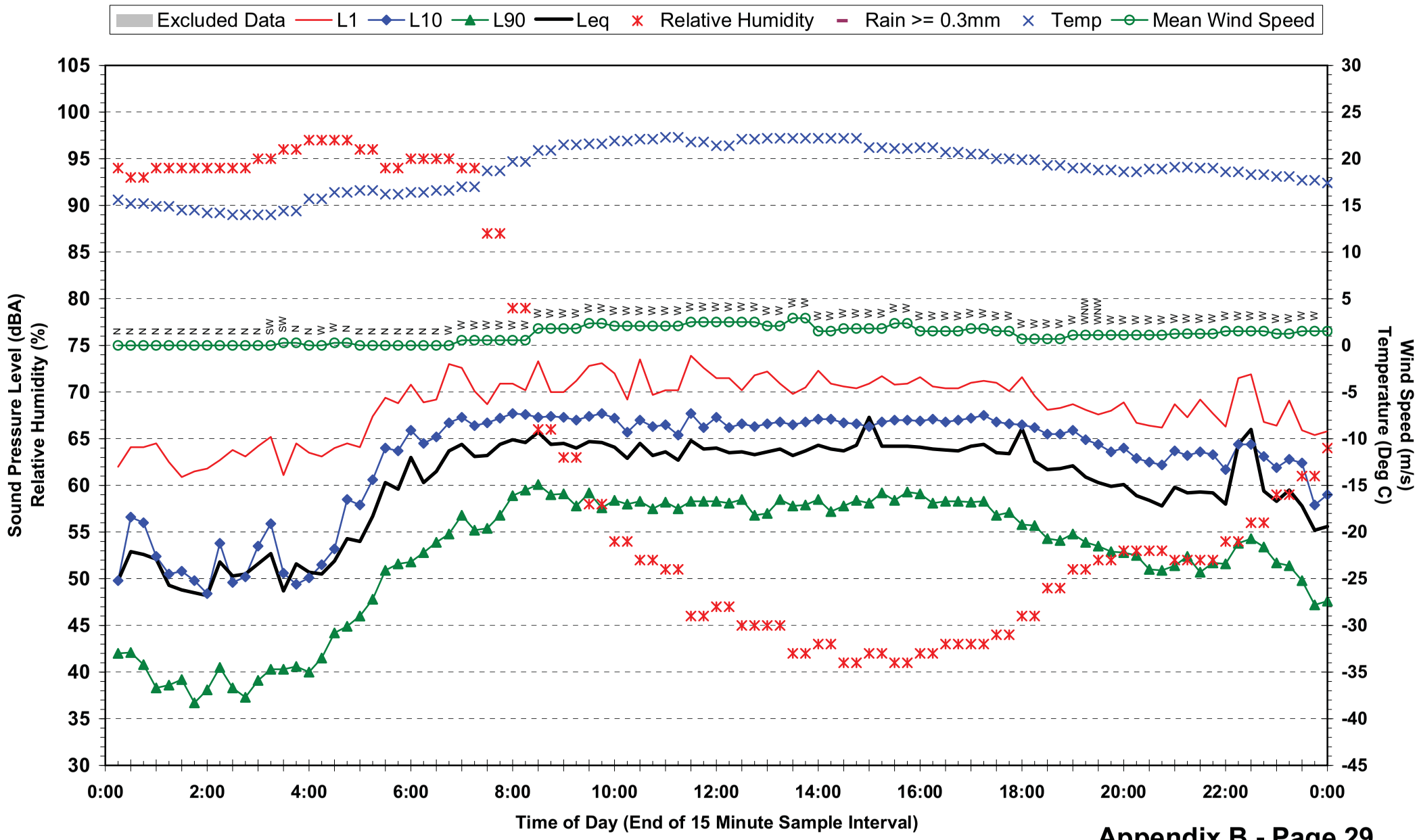
Statistical Ambient Noise Levels
Location 3 - St Josephs College Gregory Tce - Monday 24 May 2010



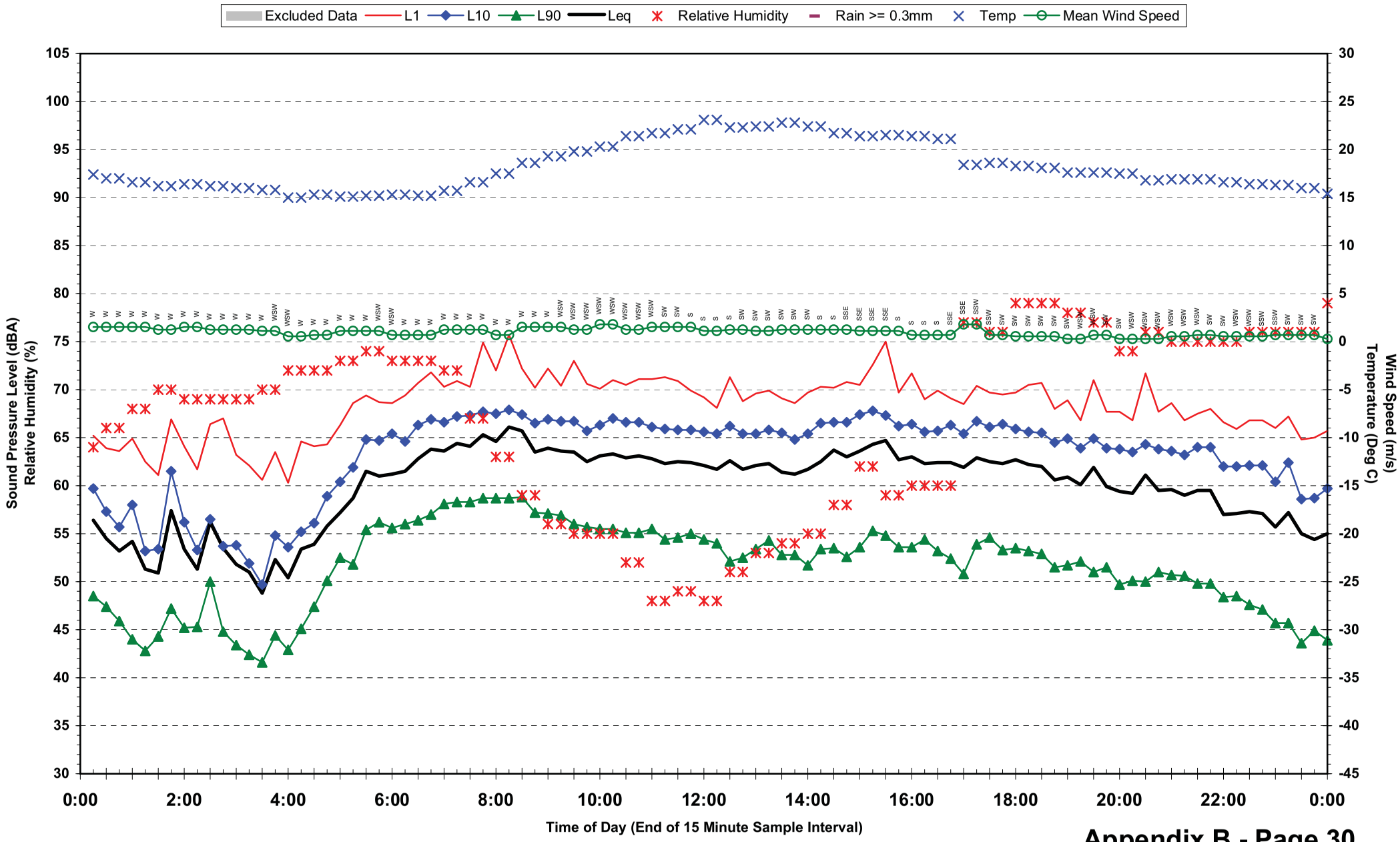
Statistical Ambient Noise Levels
Location 3 - St Josephs College Gregory Tce - Tuesday 25 May 2010



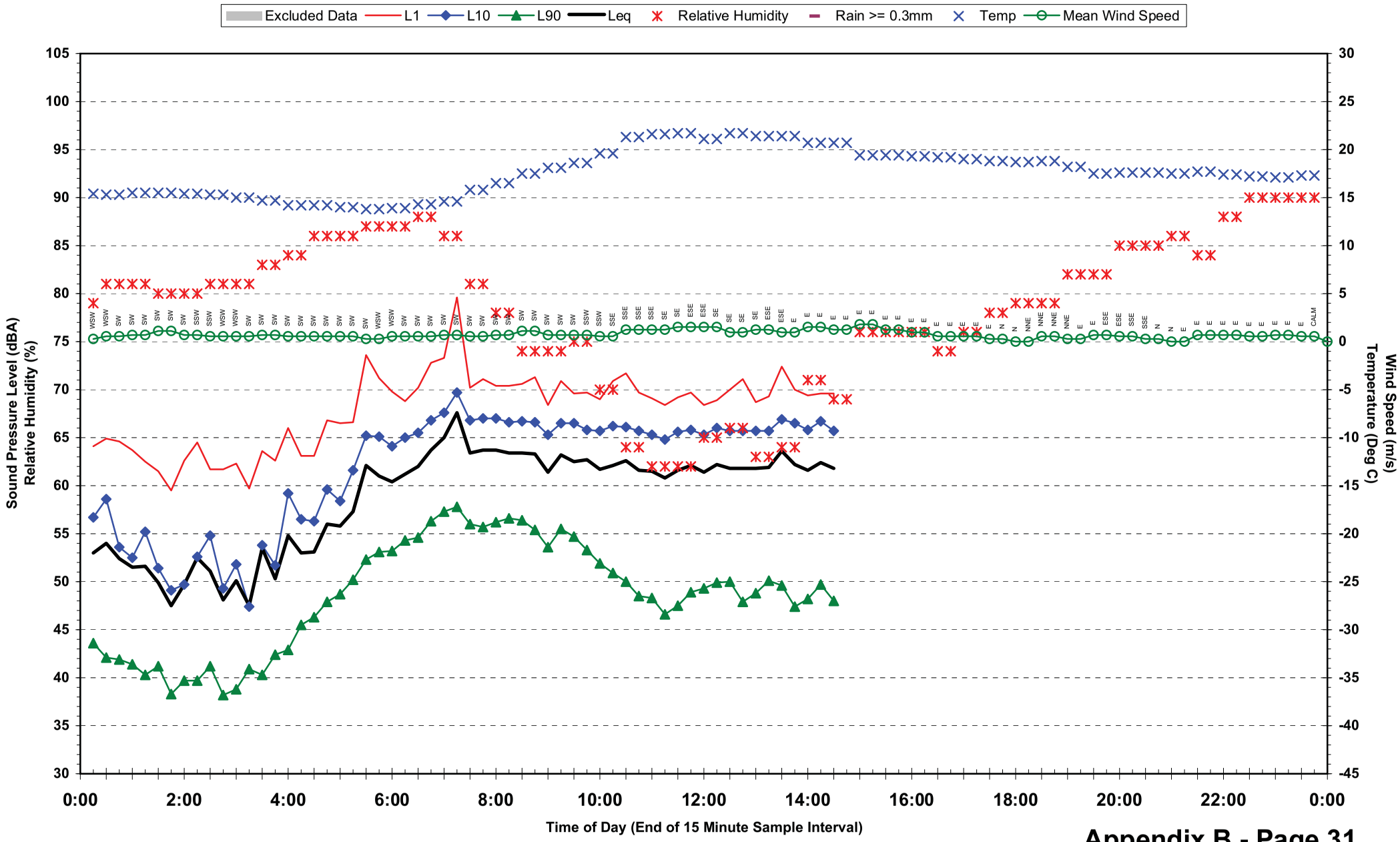
Statistical Ambient Noise Levels
Location 3 - St Josephs College Gregory Tce - Wednesday 26 May 2010



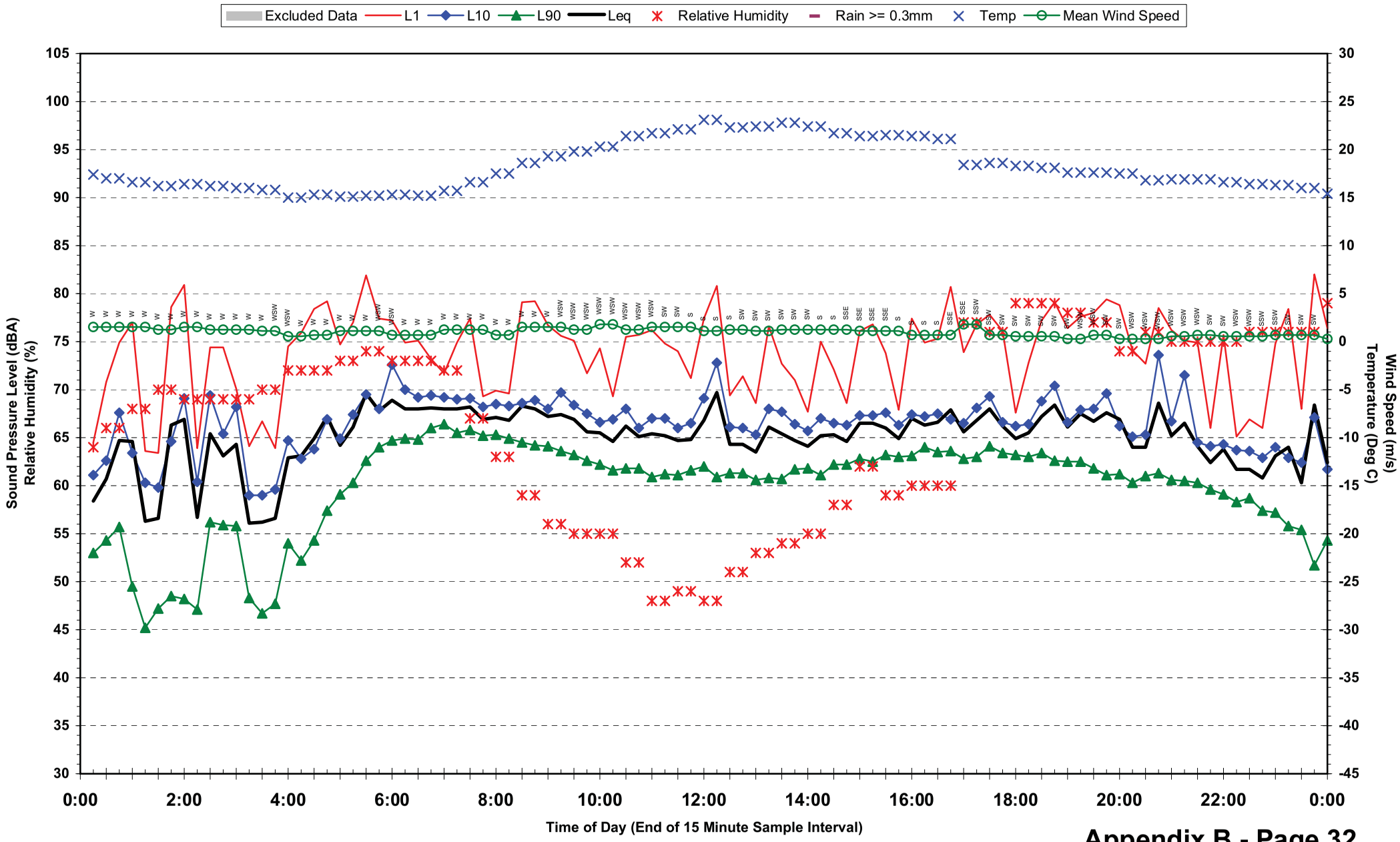
Statistical Ambient Noise Levels
Location 3 - St Josephs College Gregory Tce - Thursday 27 May 2010



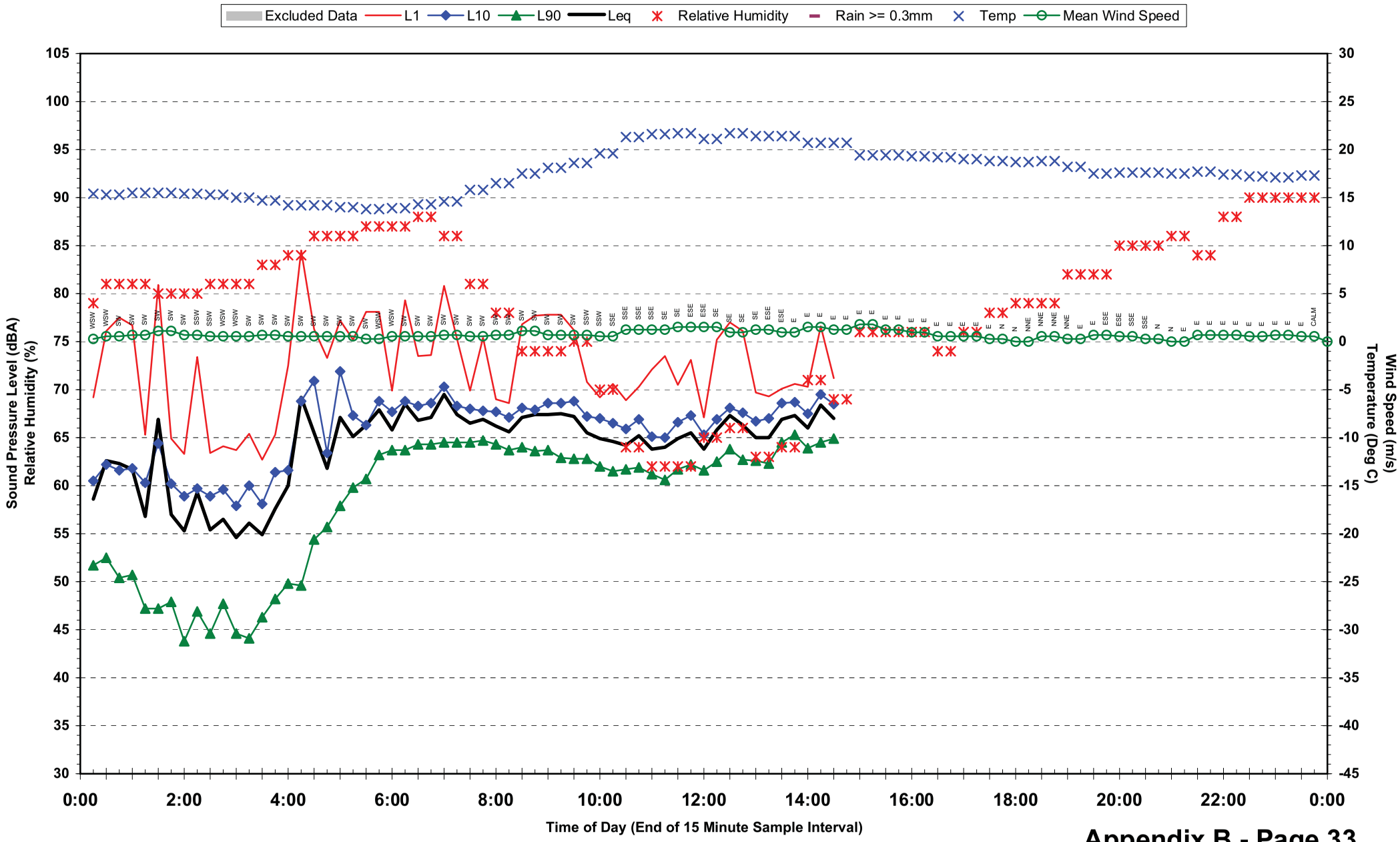
Statistical Ambient Noise Levels
Location 3 - St Josephs College Gregory Tce - Friday 28 May 2010



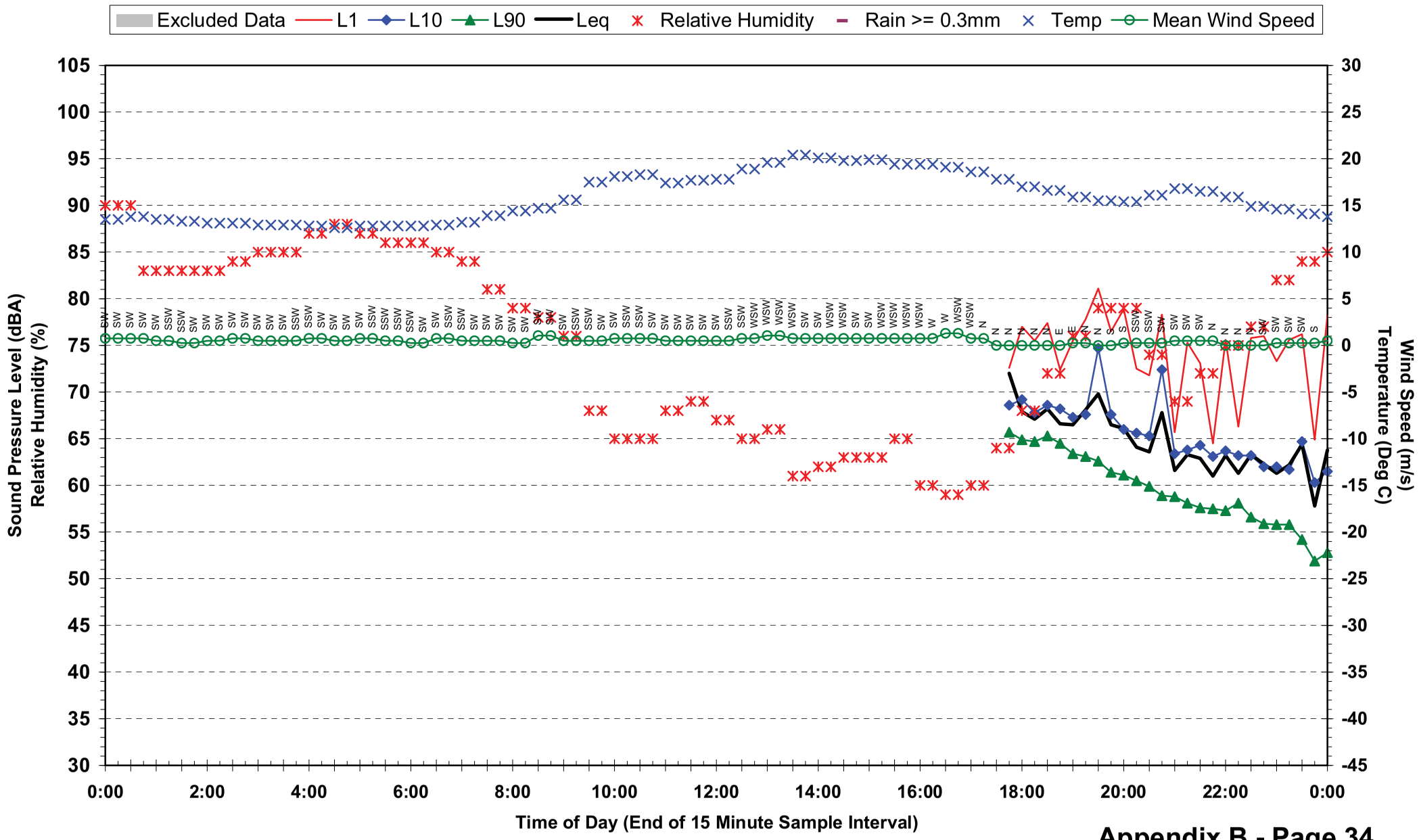
Statistical Ambient Noise Levels
Location 4 - Brisbane Girls Grammar School - Thursday 27 May 2010



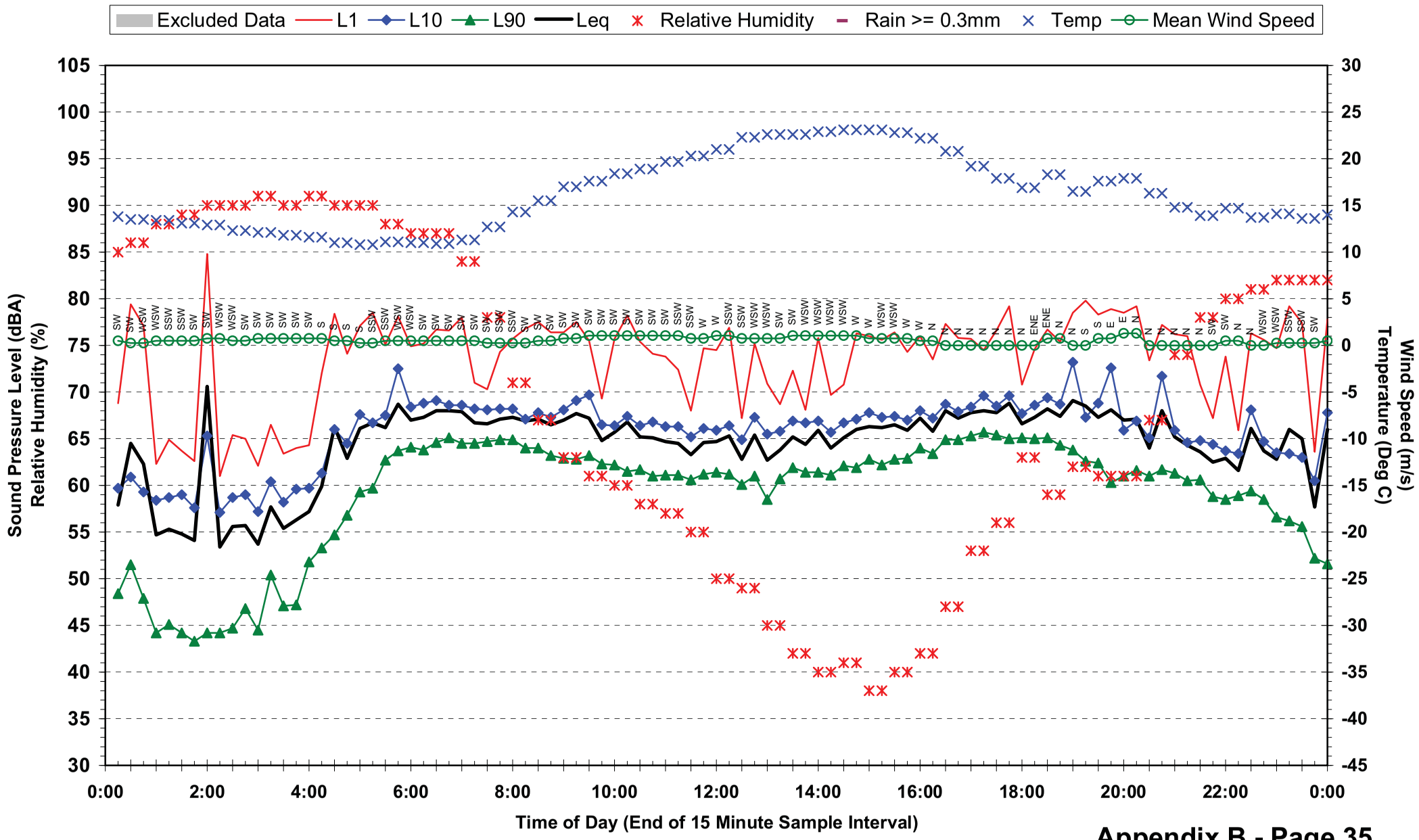
Statistical Ambient Noise Levels
Location 4 - Brisbane Girls Grammar School - Friday 28 May 2010



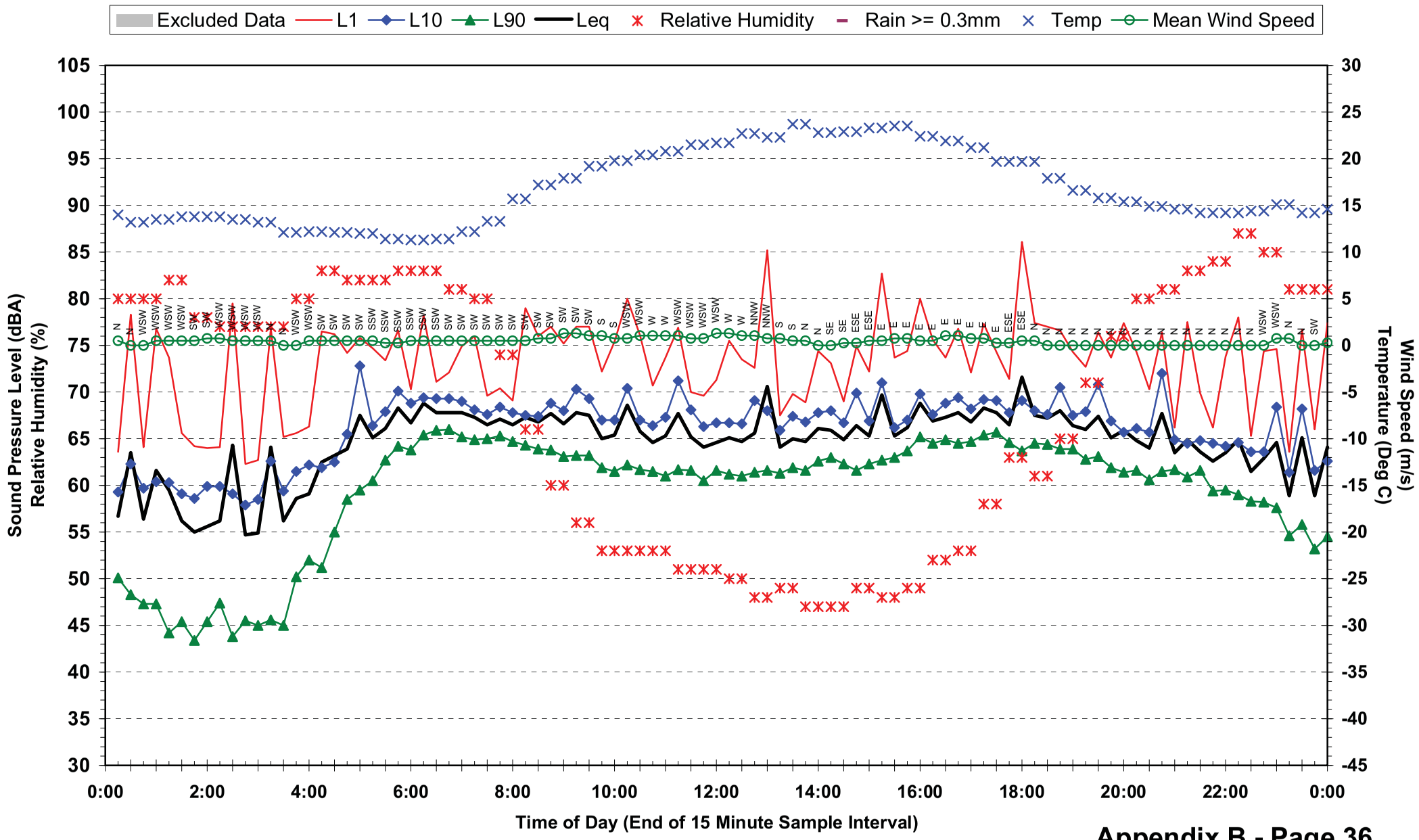
Statistical Ambient Noise Levels
Location 4 - Brisbane Girls Grammar School - Monday 17 May 2010



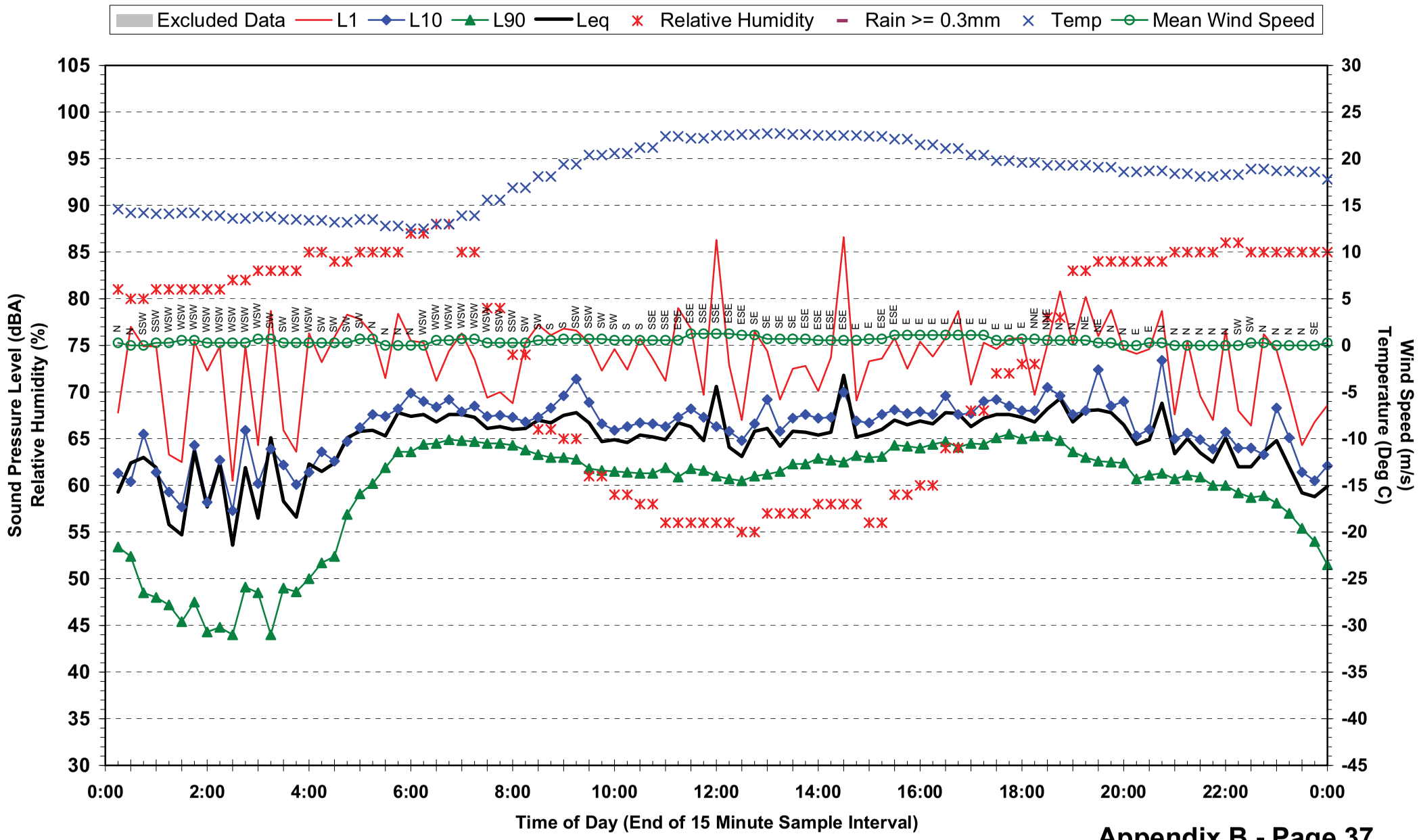
Statistical Ambient Noise Levels
Location 4 - Brisbane Girls Grammar School - Tuesday 18 May 2010



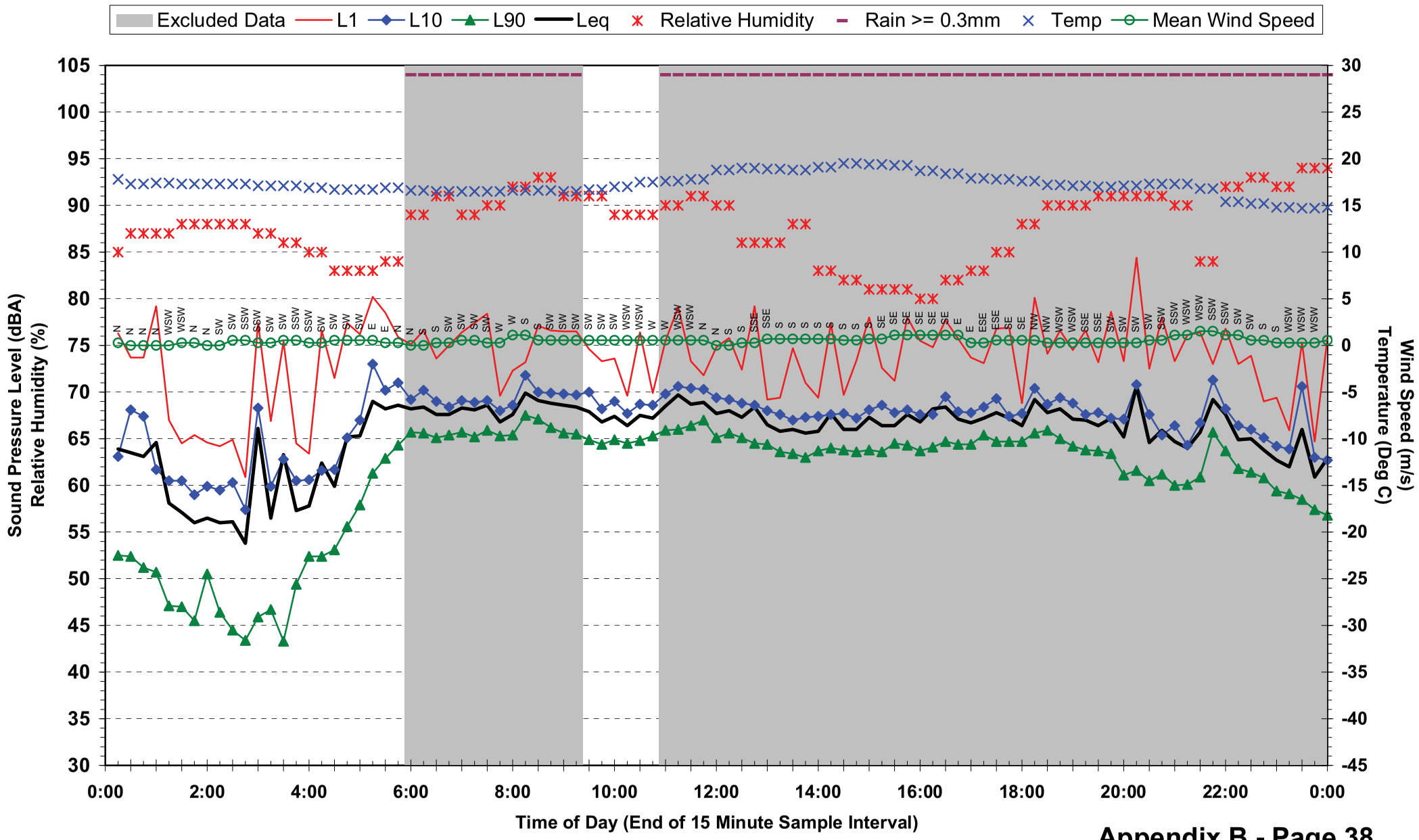
Statistical Ambient Noise Levels
Location 4 - Brisbane Girls Grammar School - Wednesday 19 May 2010



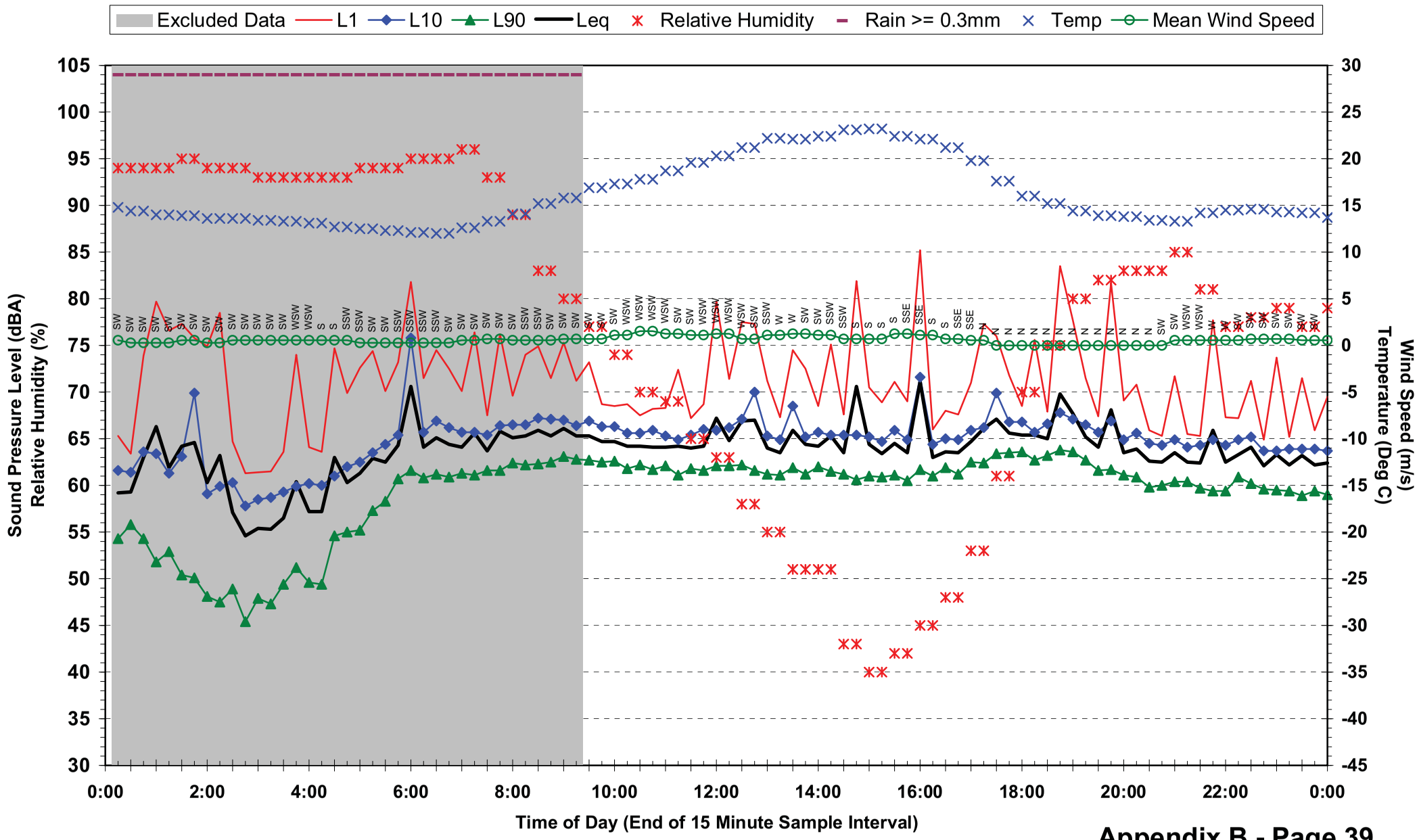
Statistical Ambient Noise Levels
Location 4 - Brisbane Girls Grammar School - Thursday 20 May 2010



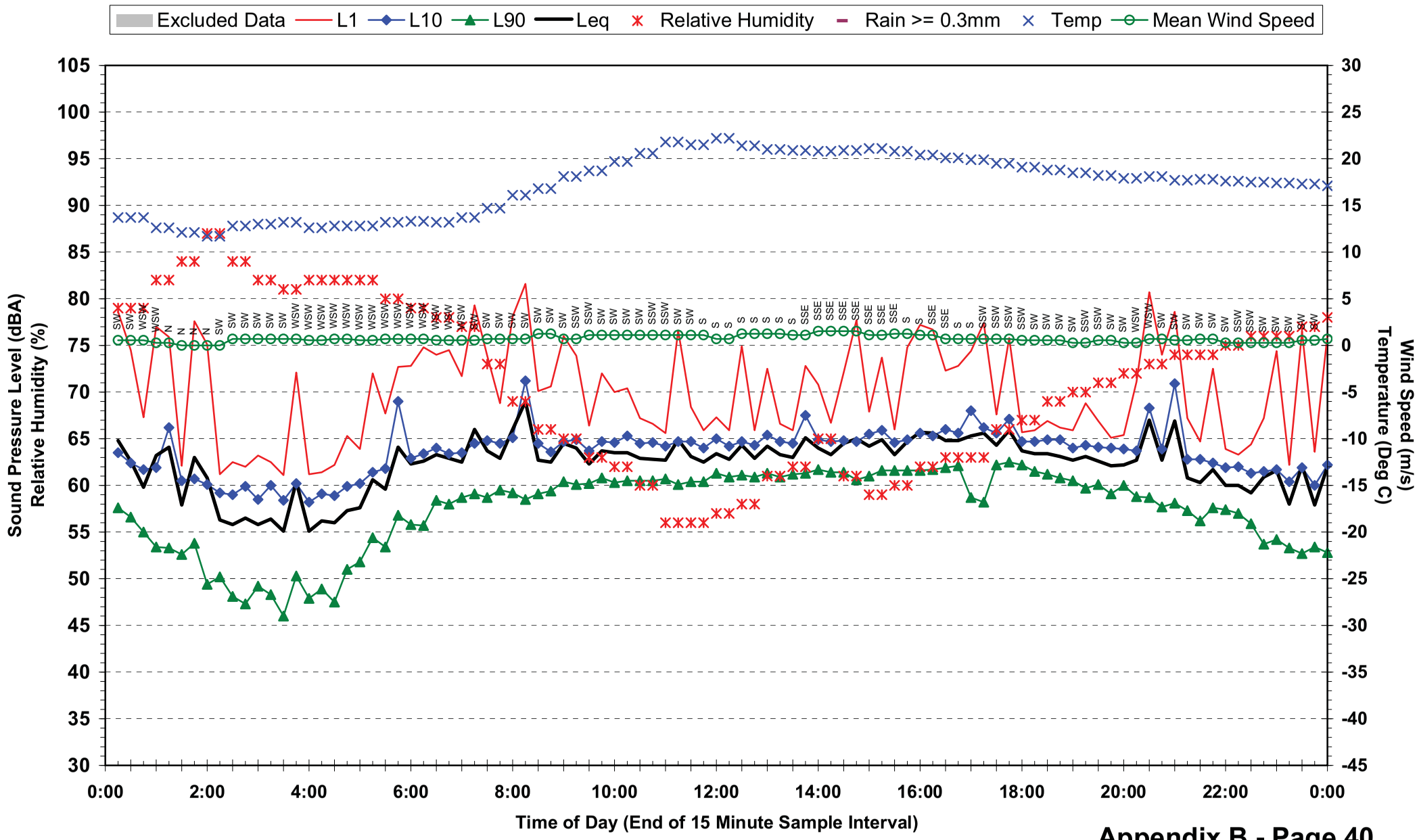
Statistical Ambient Noise Levels
Location 4 - Brisbane Girls Grammar School - Friday 21 May 2010



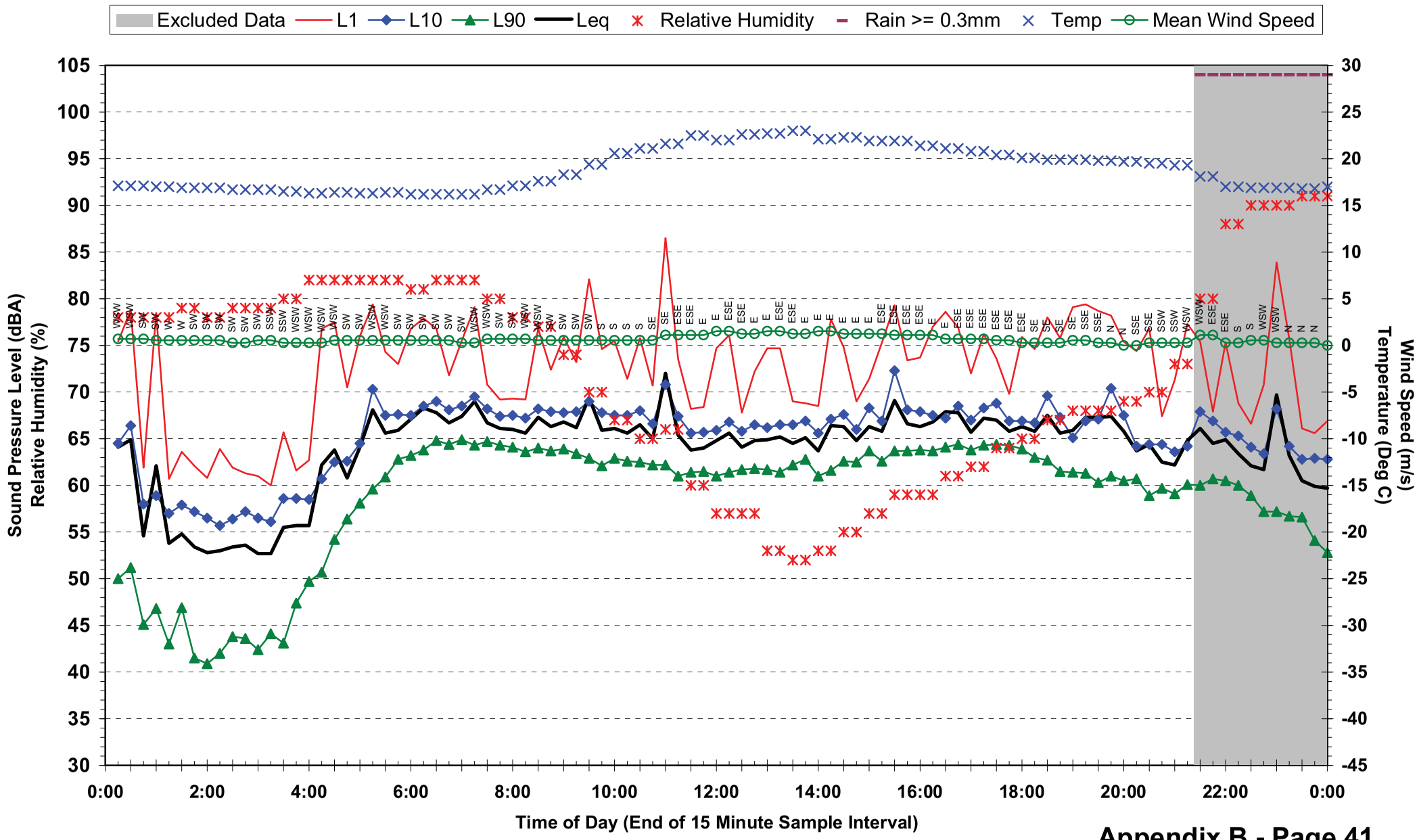
Statistical Ambient Noise Levels
Location 4 - Brisbane Girls Grammar School - Saturday 22 May 2010



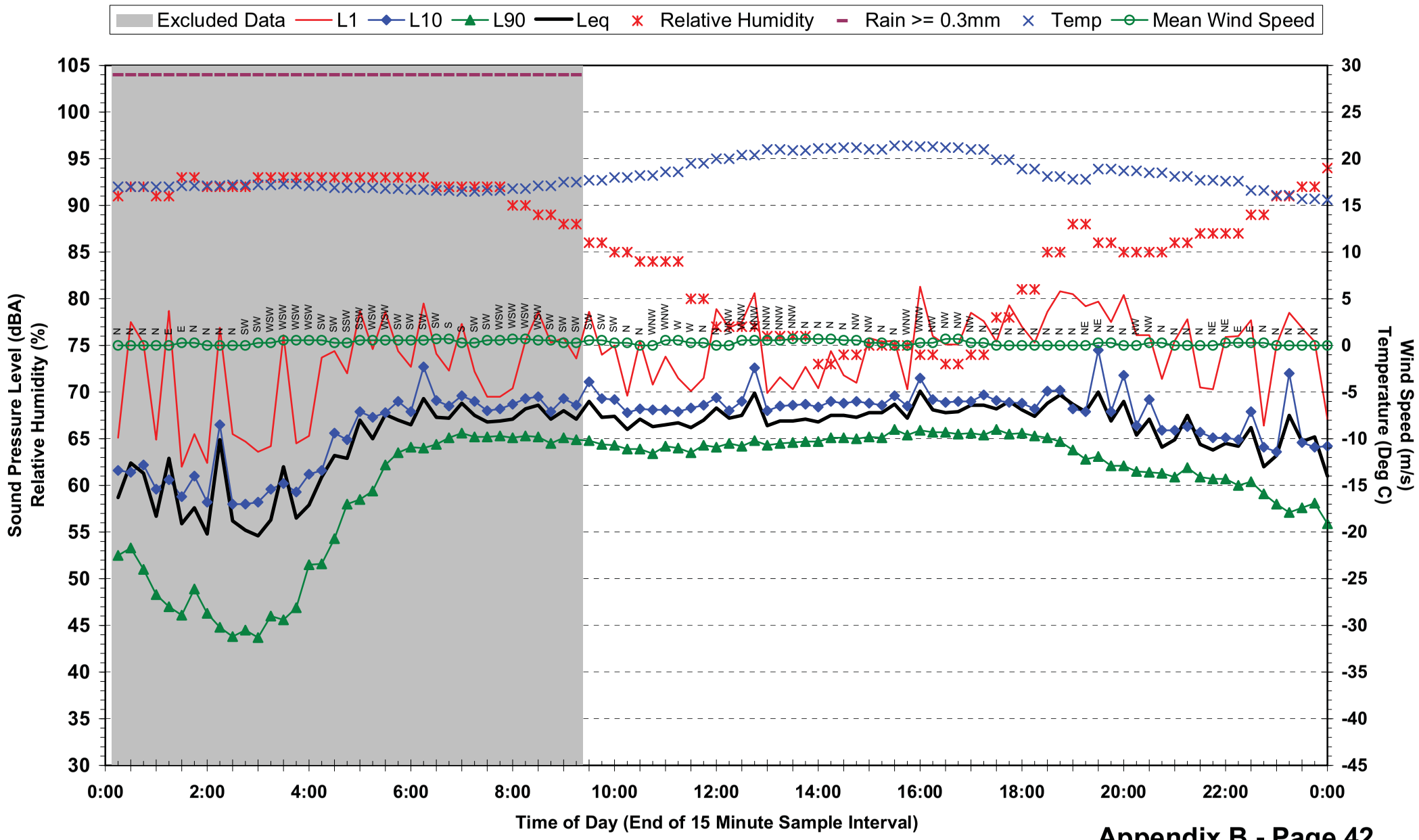
Statistical Ambient Noise Levels
Location 4 - Brisbane Girls Grammar School - Sunday 23 May 2010



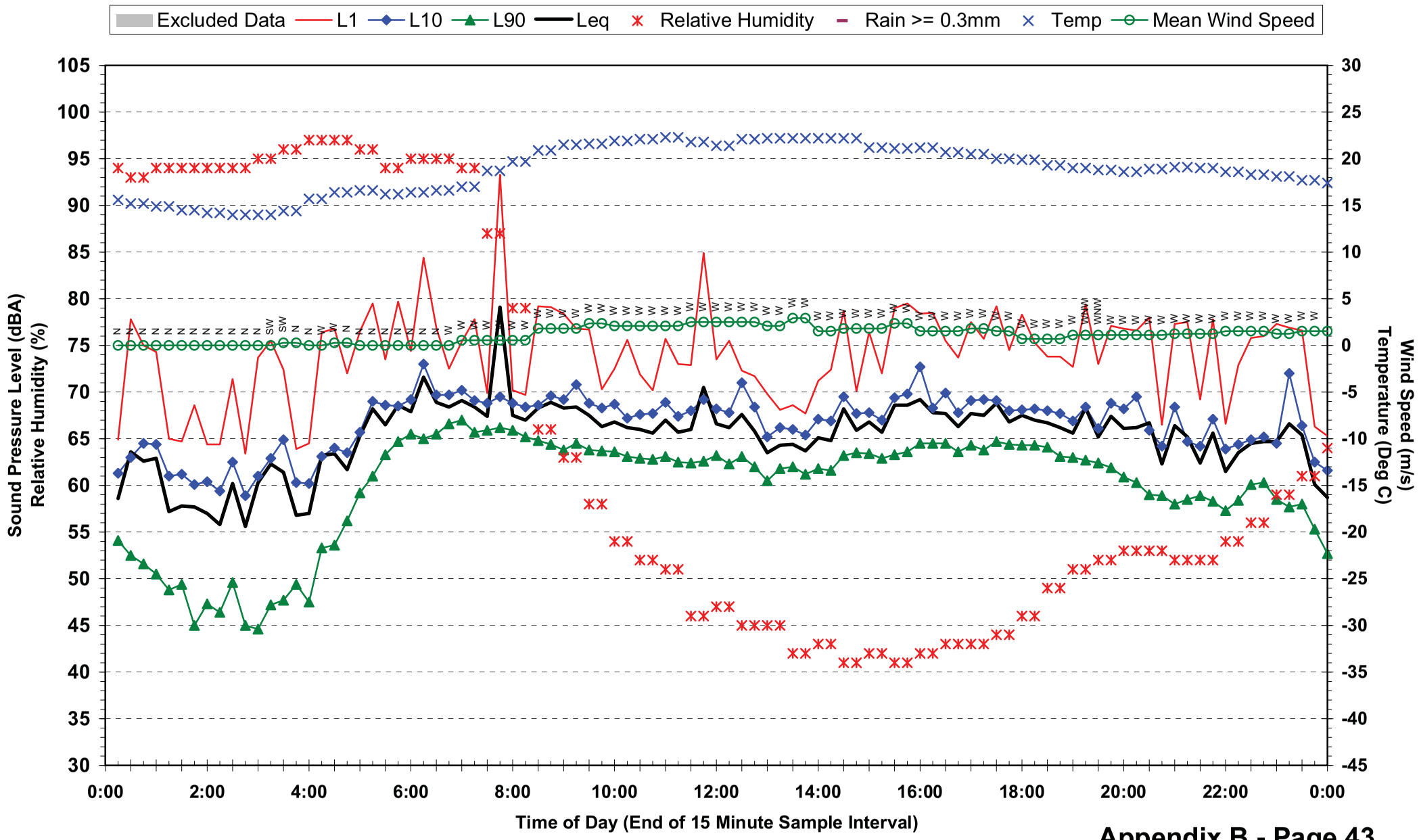
Statistical Ambient Noise Levels
Location 4 - Brisbane Girls Grammar School - Monday 24 May 2010



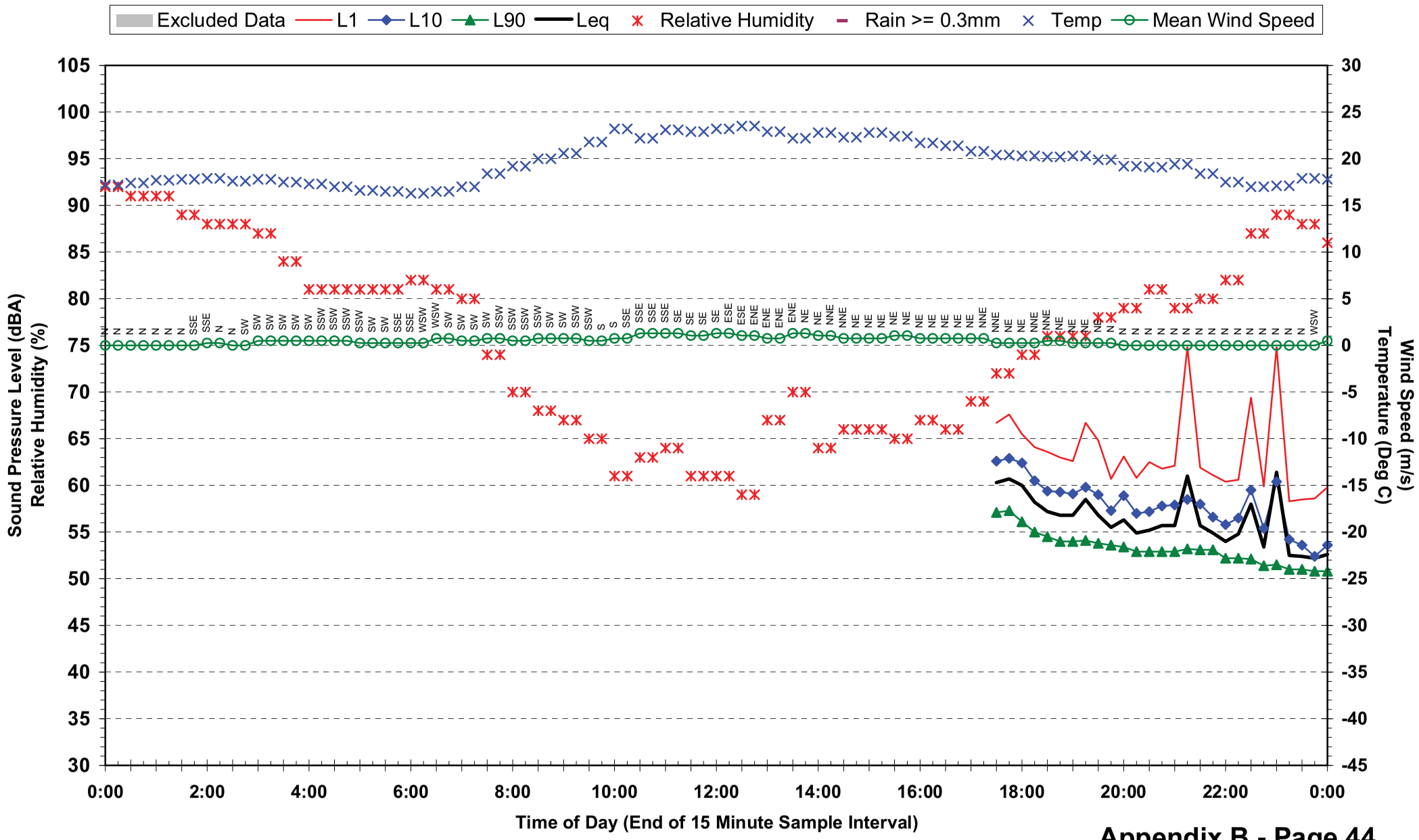
Statistical Ambient Noise Levels
Location 4 - Brisbane Girls Grammar School - Tuesday 25 May 2010



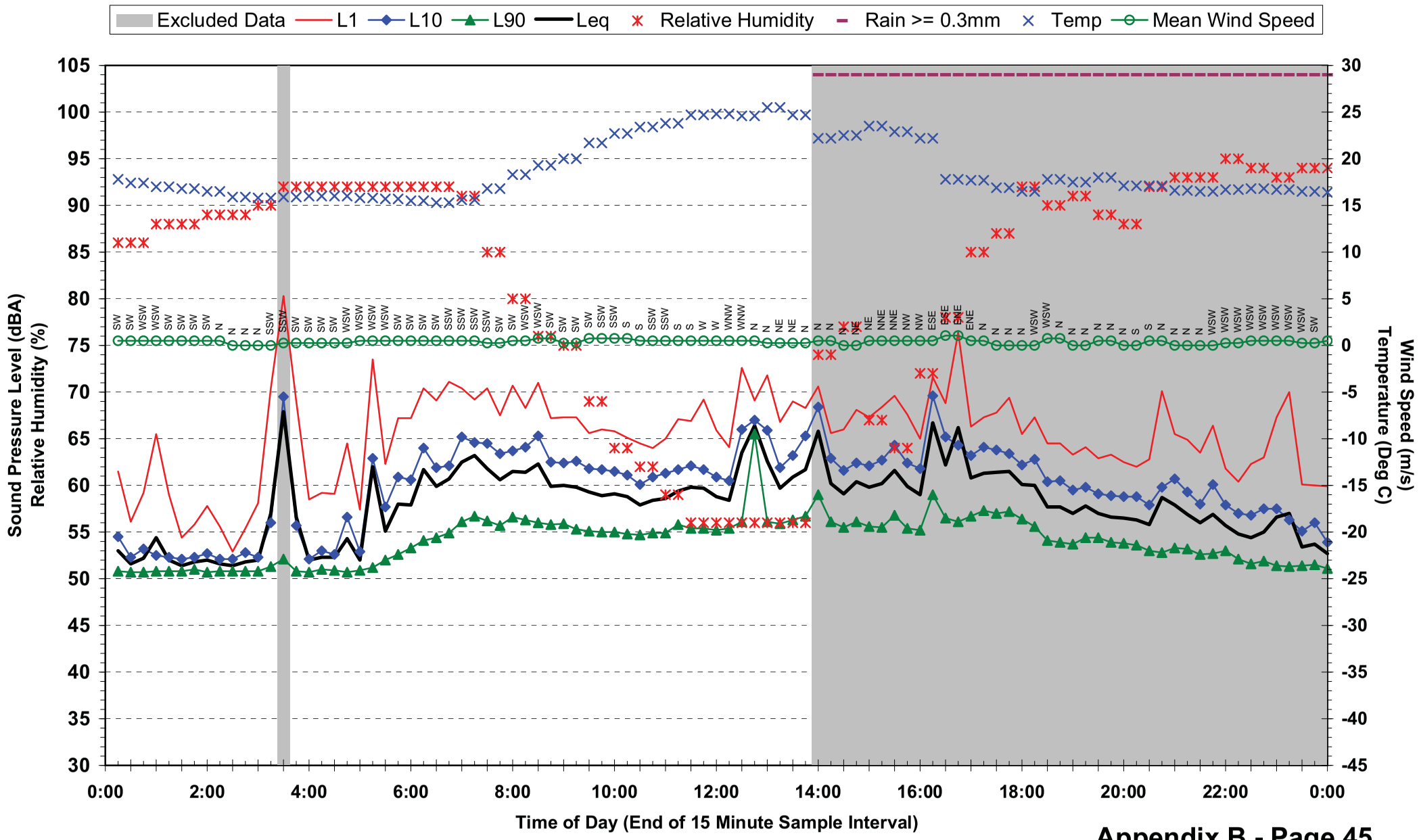
Statistical Ambient Noise Levels
Location 4 - Brisbane Girls Grammar School - Wednesday 26 May 2010



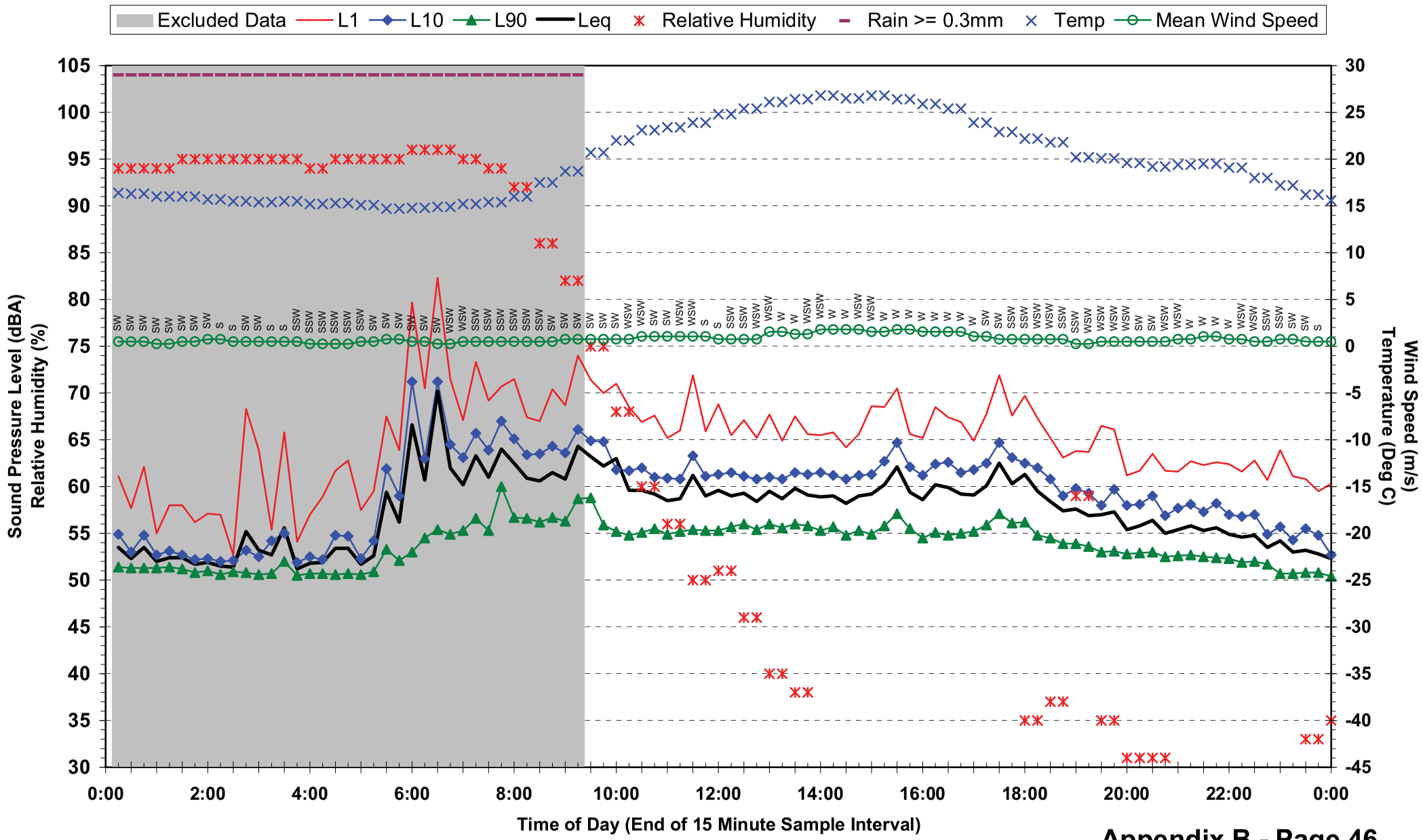
Statistical Ambient Noise Levels
Location 5 - St Andrews War Memorial Hospital - Monday 10 May 2010



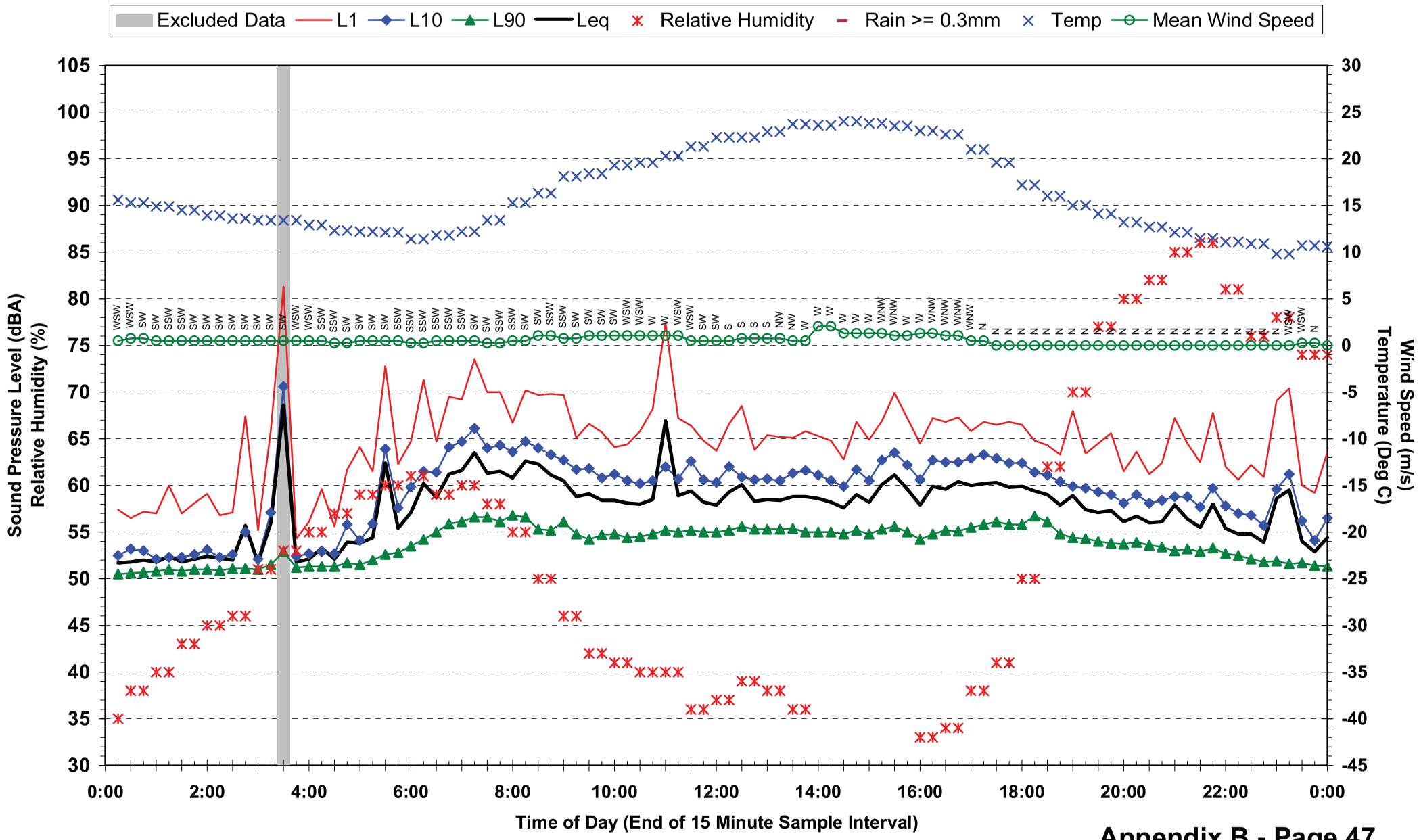
Statistical Ambient Noise Levels
Location 5 - St Andrews War Memorial Hospital - Tuesday 11 May 2010



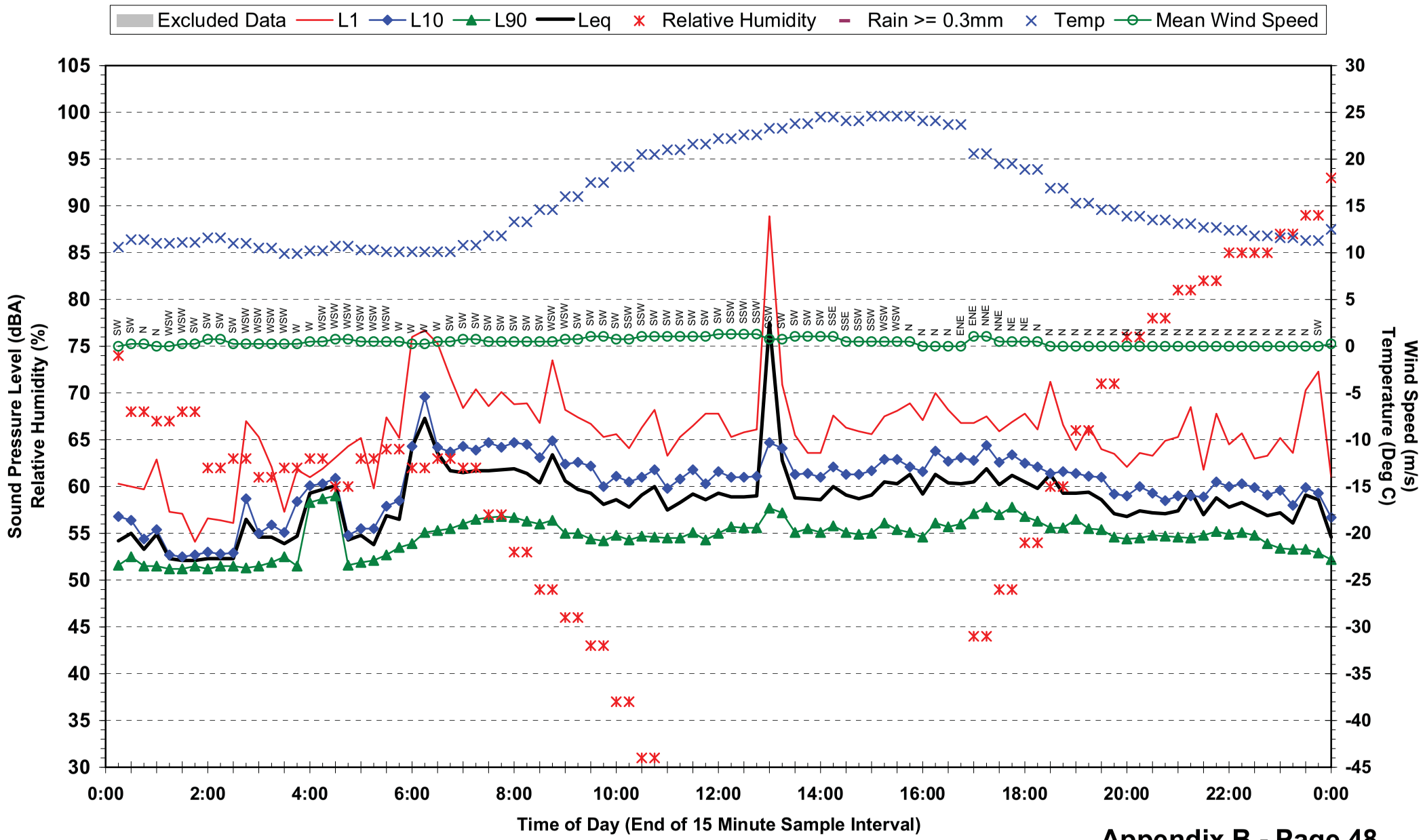
Statistical Ambient Noise Levels
Location 5 - St Andrews War Memorial Hospital - Wednesday 12 May 2010



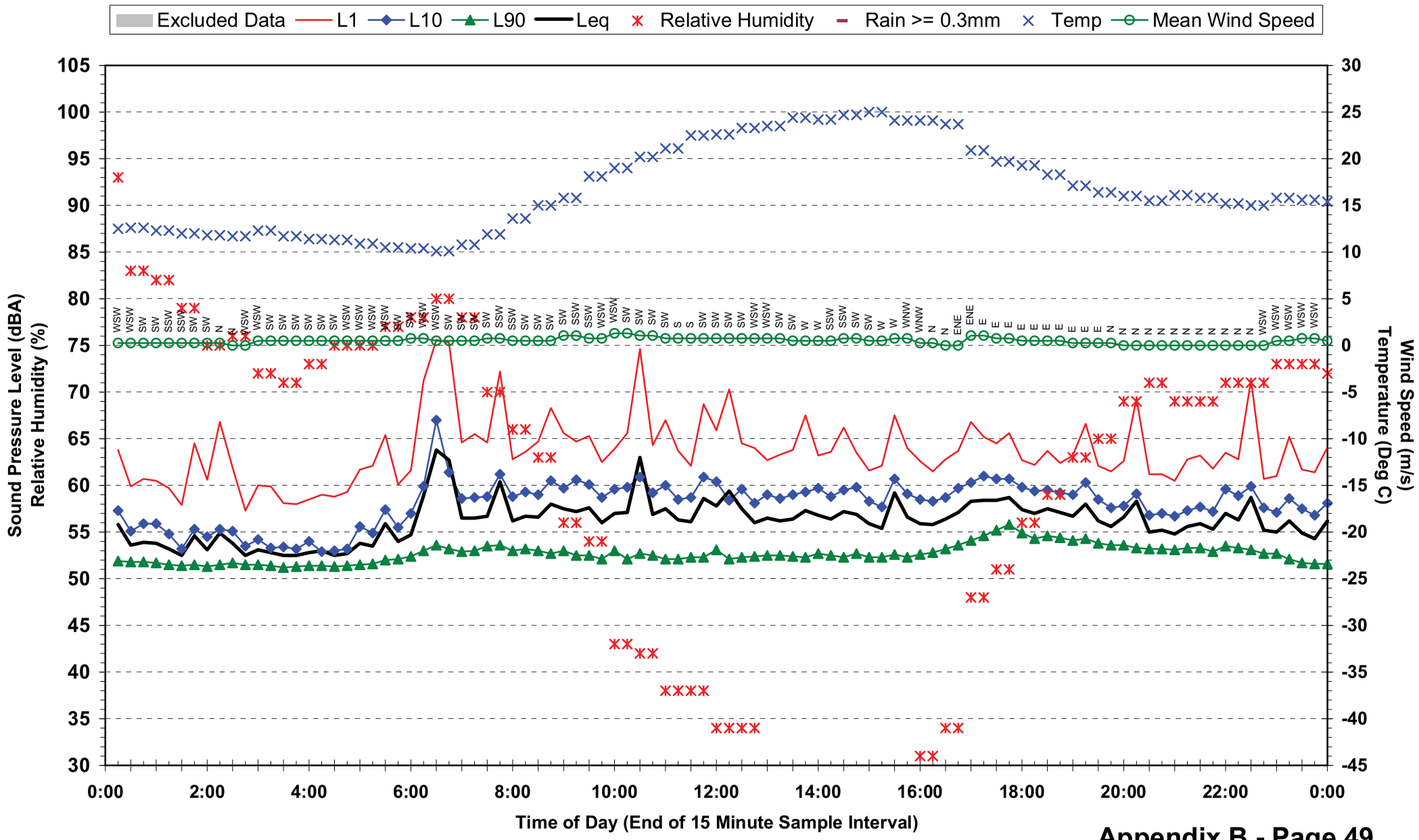
Statistical Ambient Noise Levels
Location 5 - St Andrews War Memorial Hospital - Thursday 13 May 2010



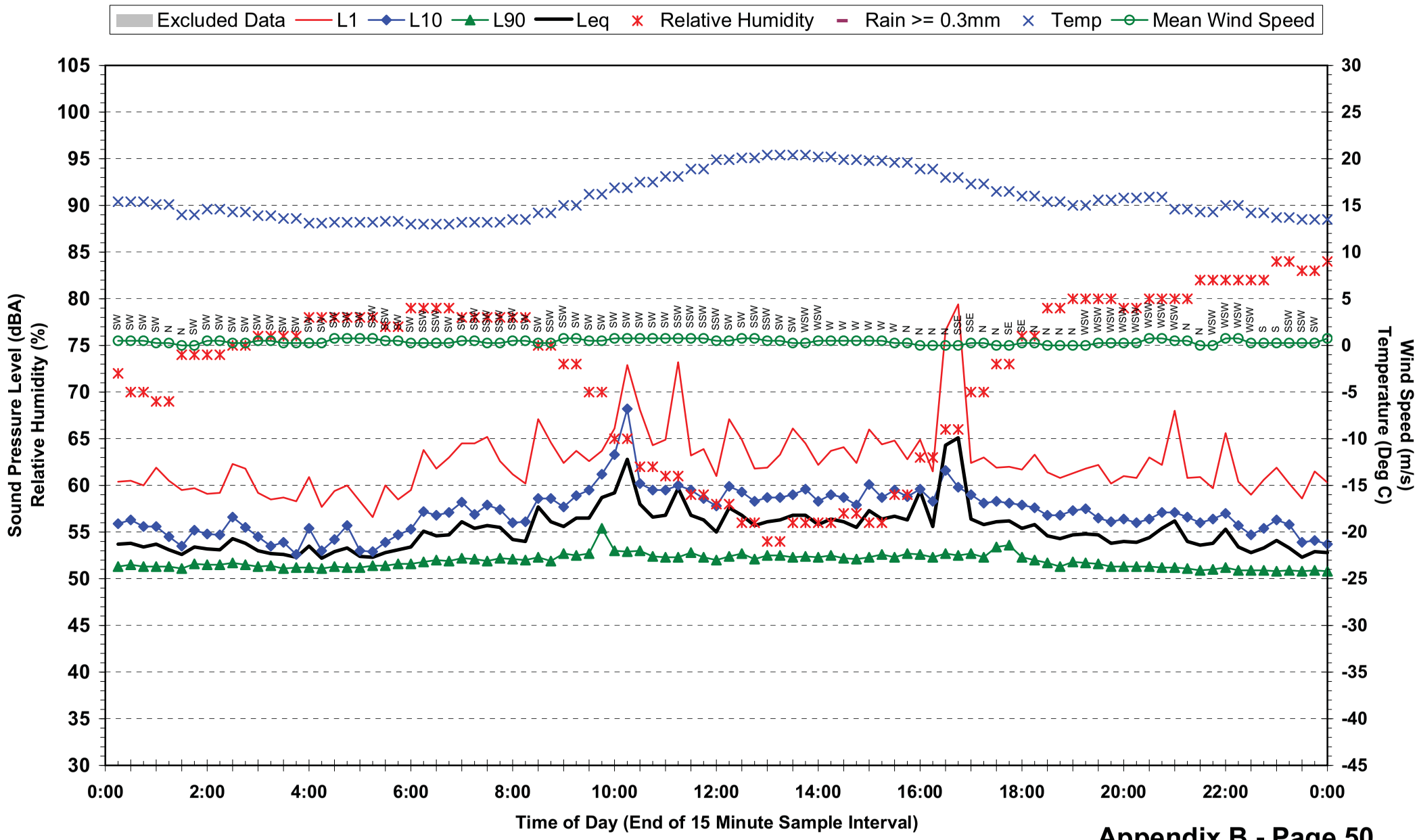
Statistical Ambient Noise Levels
Location 5 - St Andrews War Memorial Hospital - Friday 14 May 2010



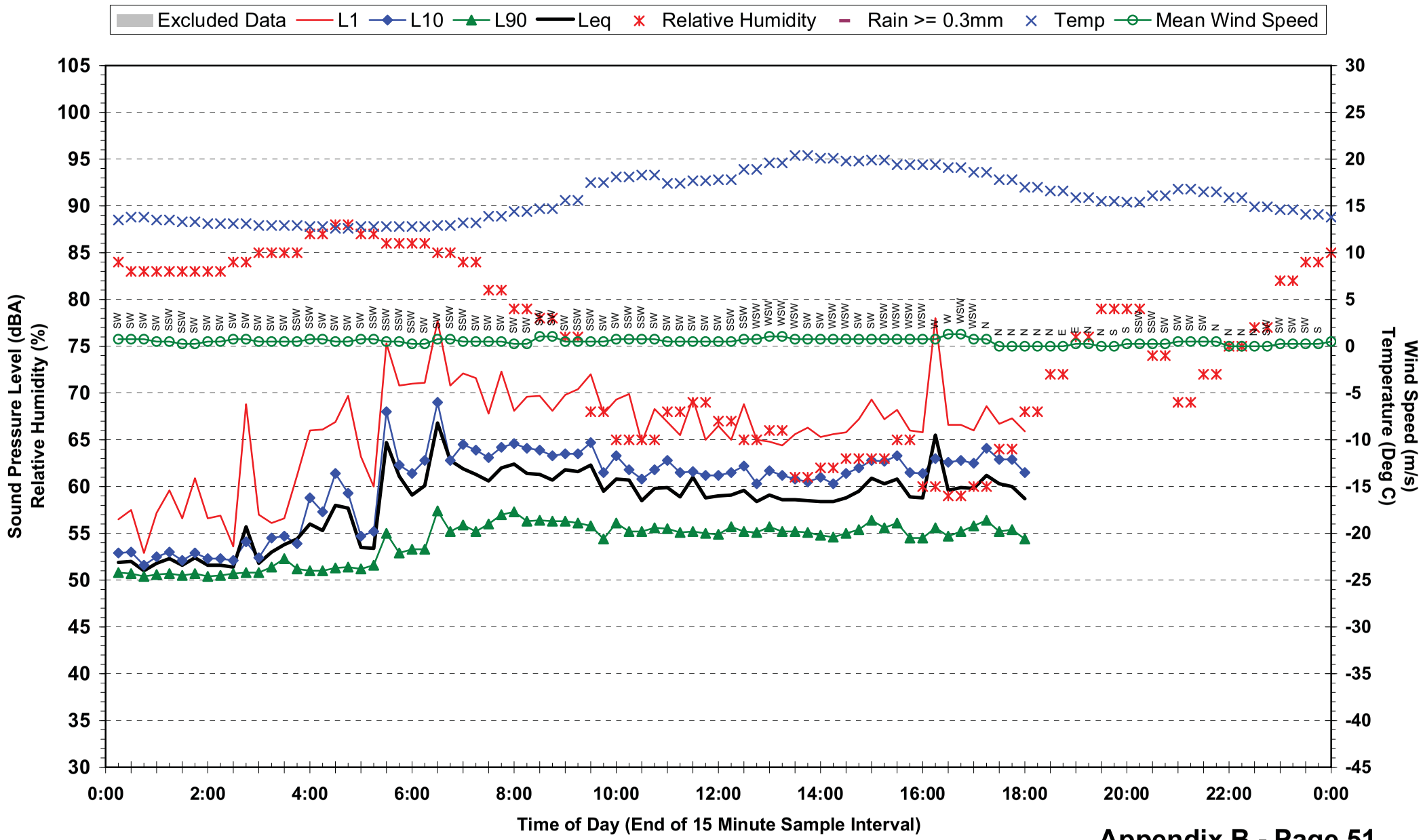
Statistical Ambient Noise Levels
Location 5 - St Andrews War Memorial Hospital - Saturday 15 May 2010



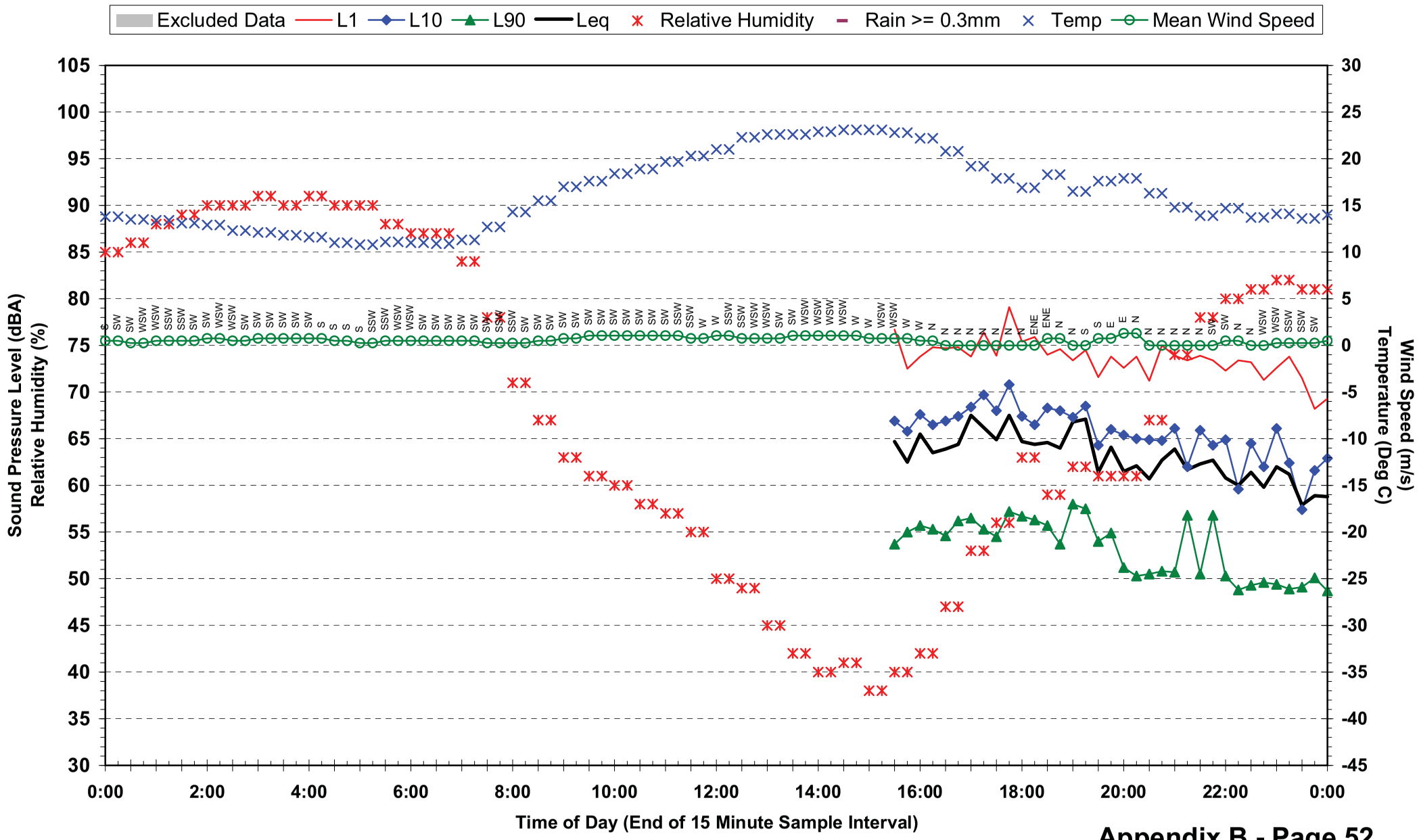
Statistical Ambient Noise Levels
Location 5 - St Andrews War Memorial Hospital - Sunday 16 May 2010



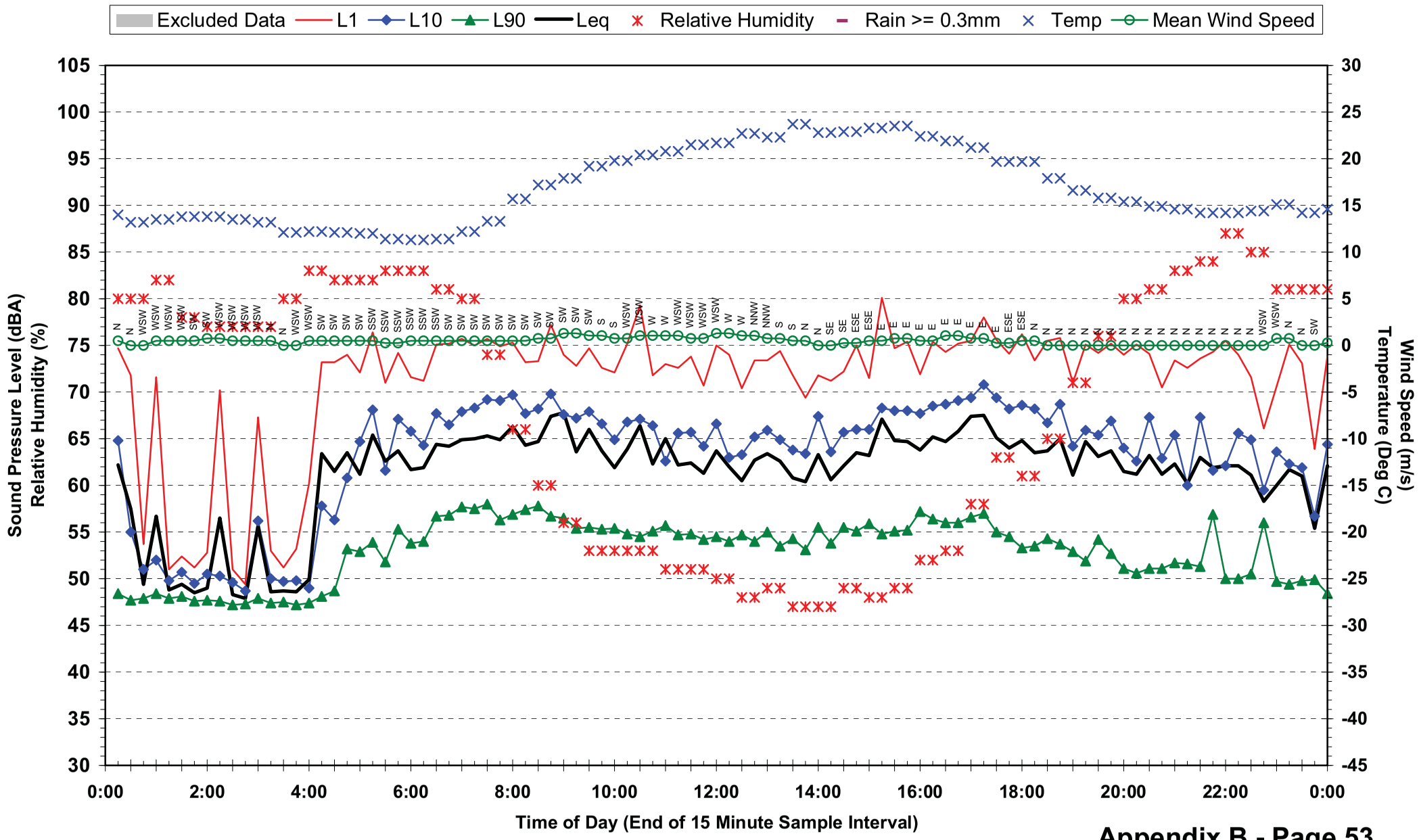
Statistical Ambient Noise Levels
Location 5 - St Andrews War Memorial Hospital - Monday 17 May 2010



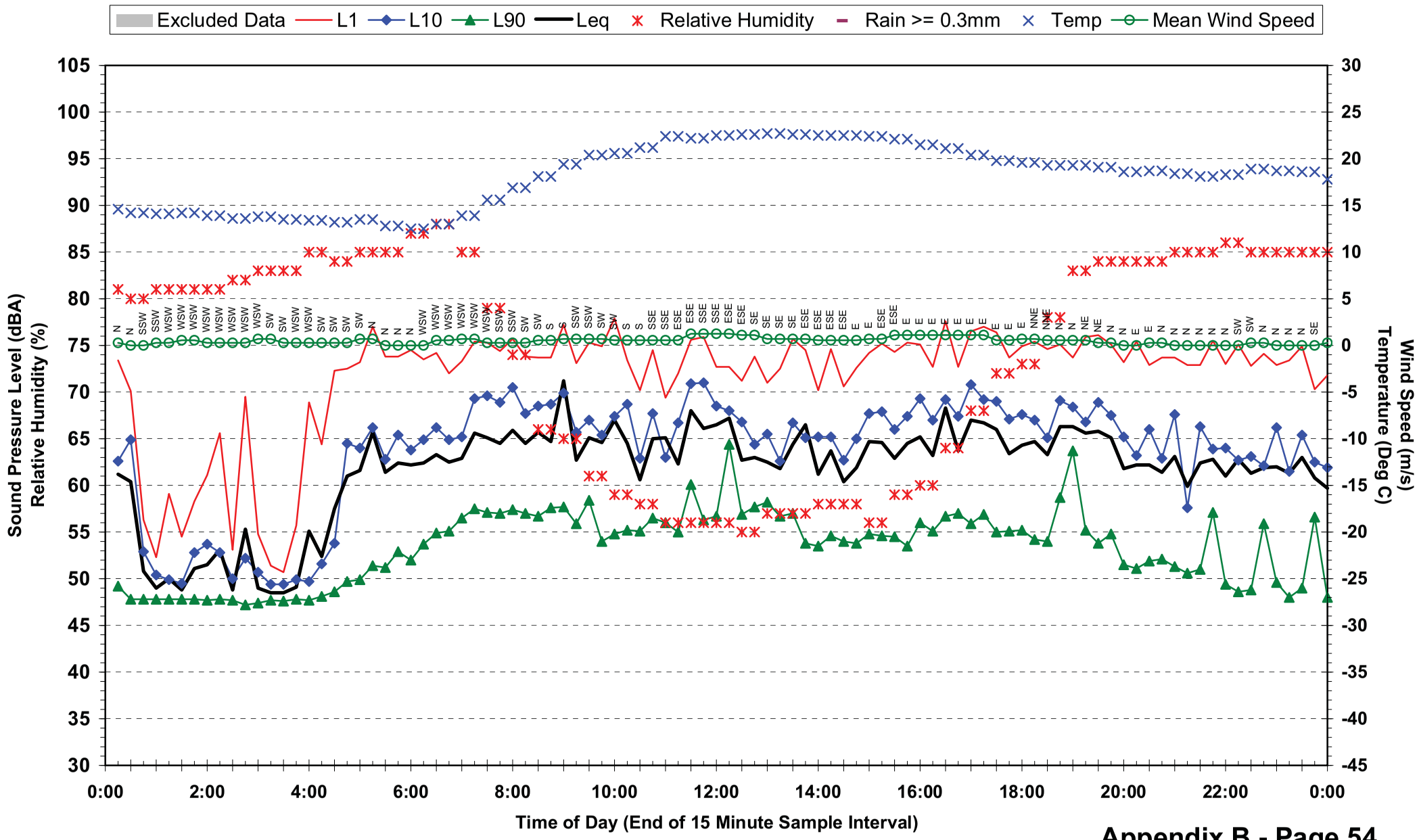
Statistical Ambient Noise Levels
Location 6 - Parkland Cres - Tuesday 18 May 2010



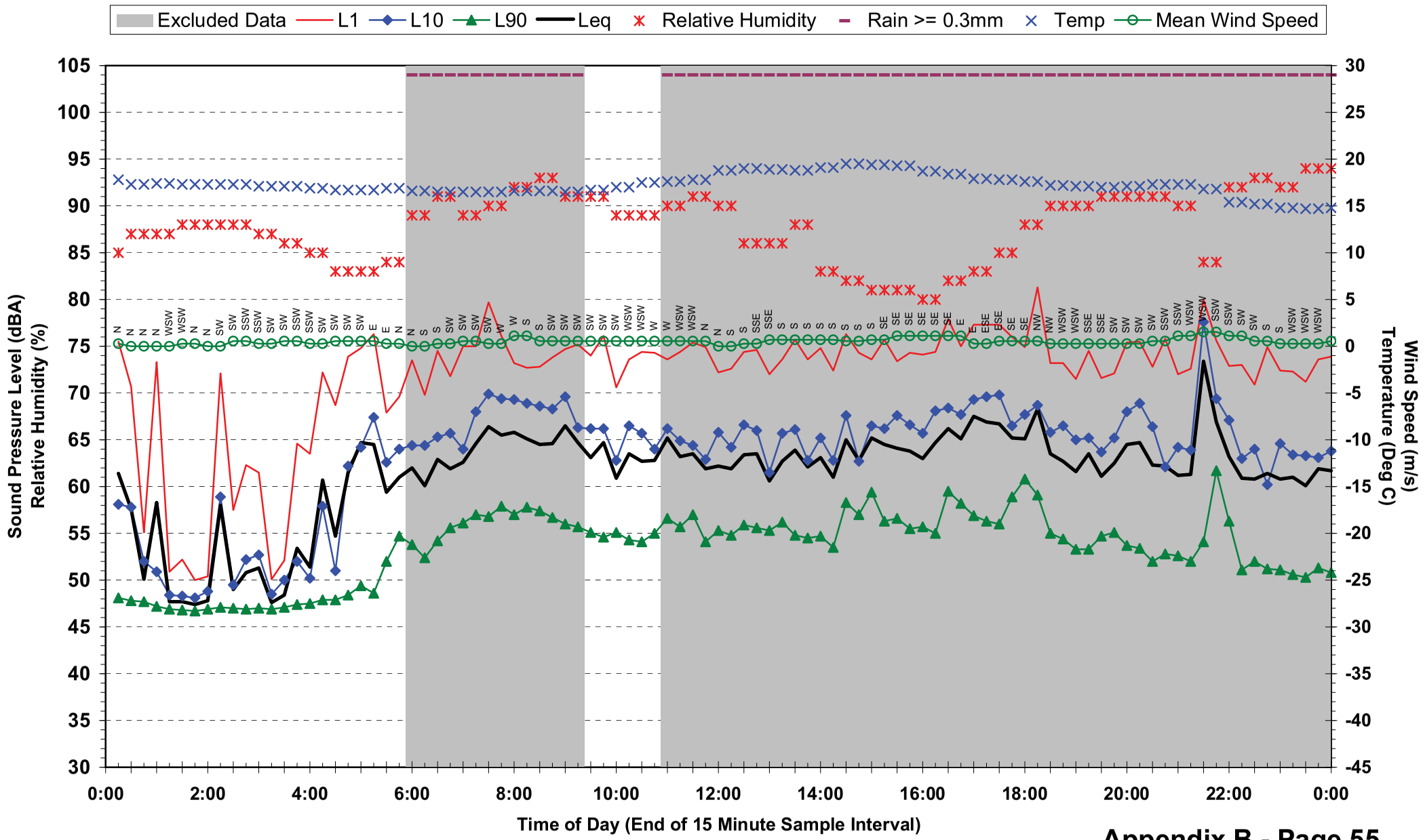
Statistical Ambient Noise Levels
Location 6 - Parkland Cres - Wednesday 19 May 2010



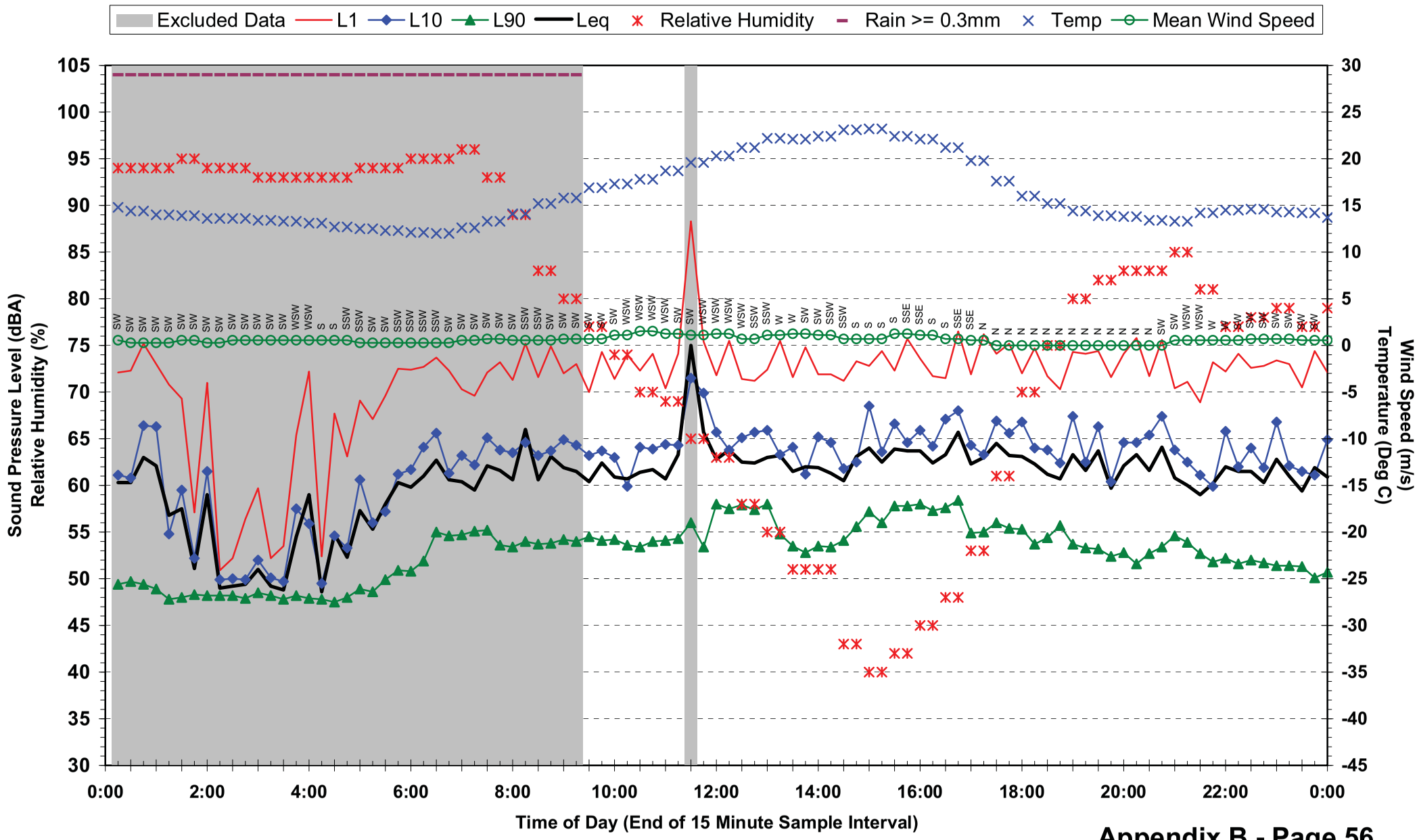
Statistical Ambient Noise Levels
Location 6 - Parkland Cres - Thursday 20 May 2010



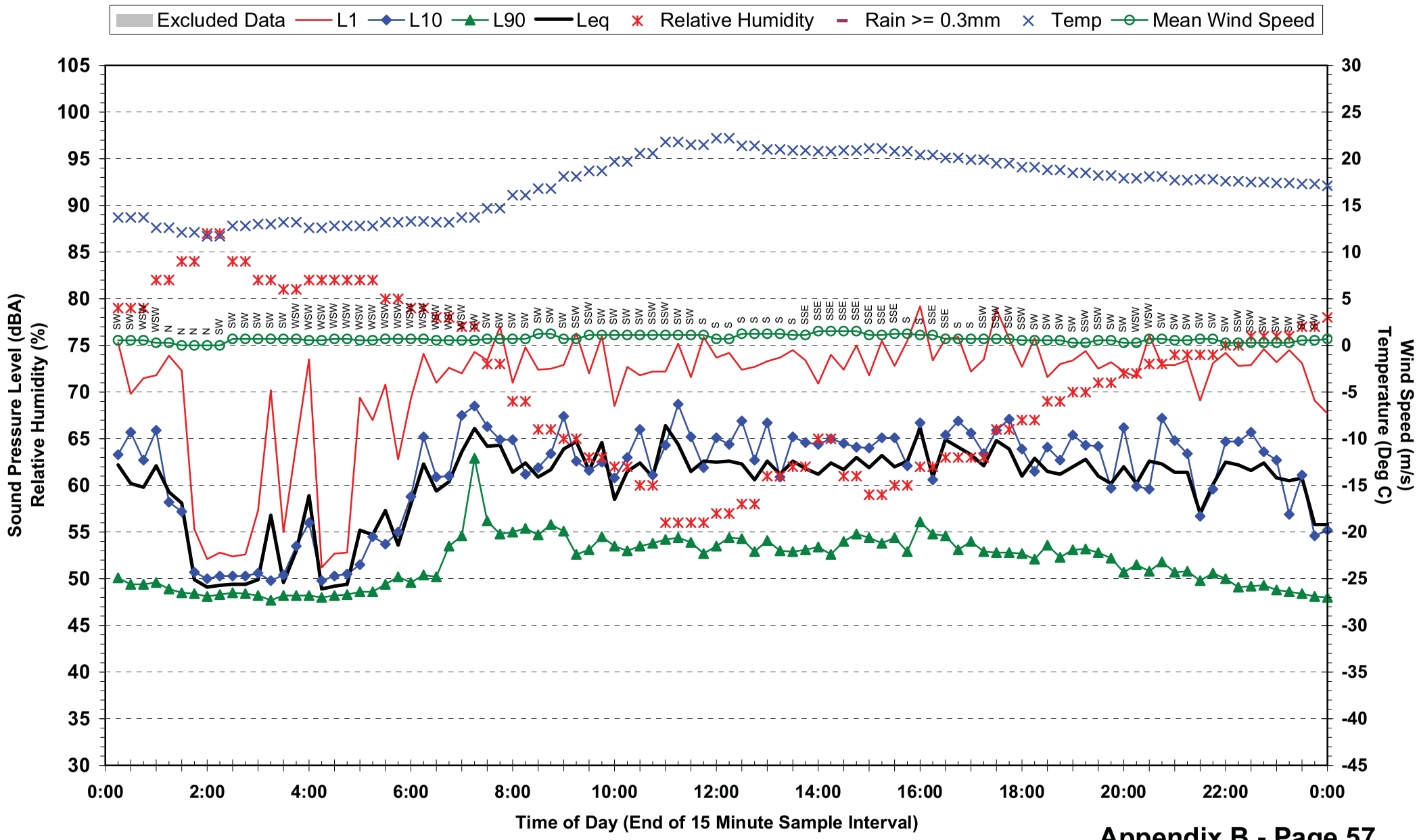
Statistical Ambient Noise Levels
Location 6 - Parkland Cres - Friday 21 May 2010



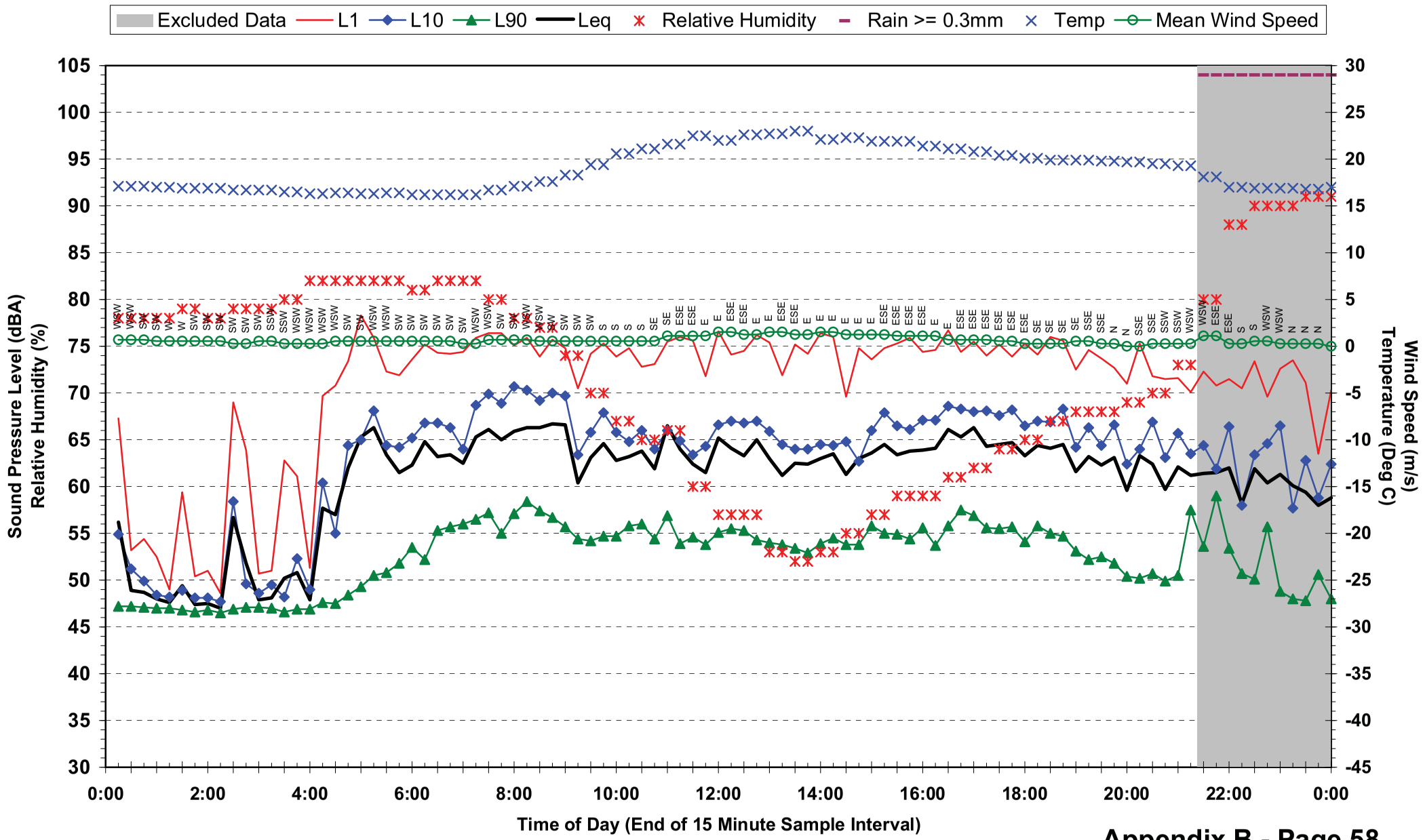
Statistical Ambient Noise Levels
Location 6 - Parkland Cres - Saturday 22 May 2010



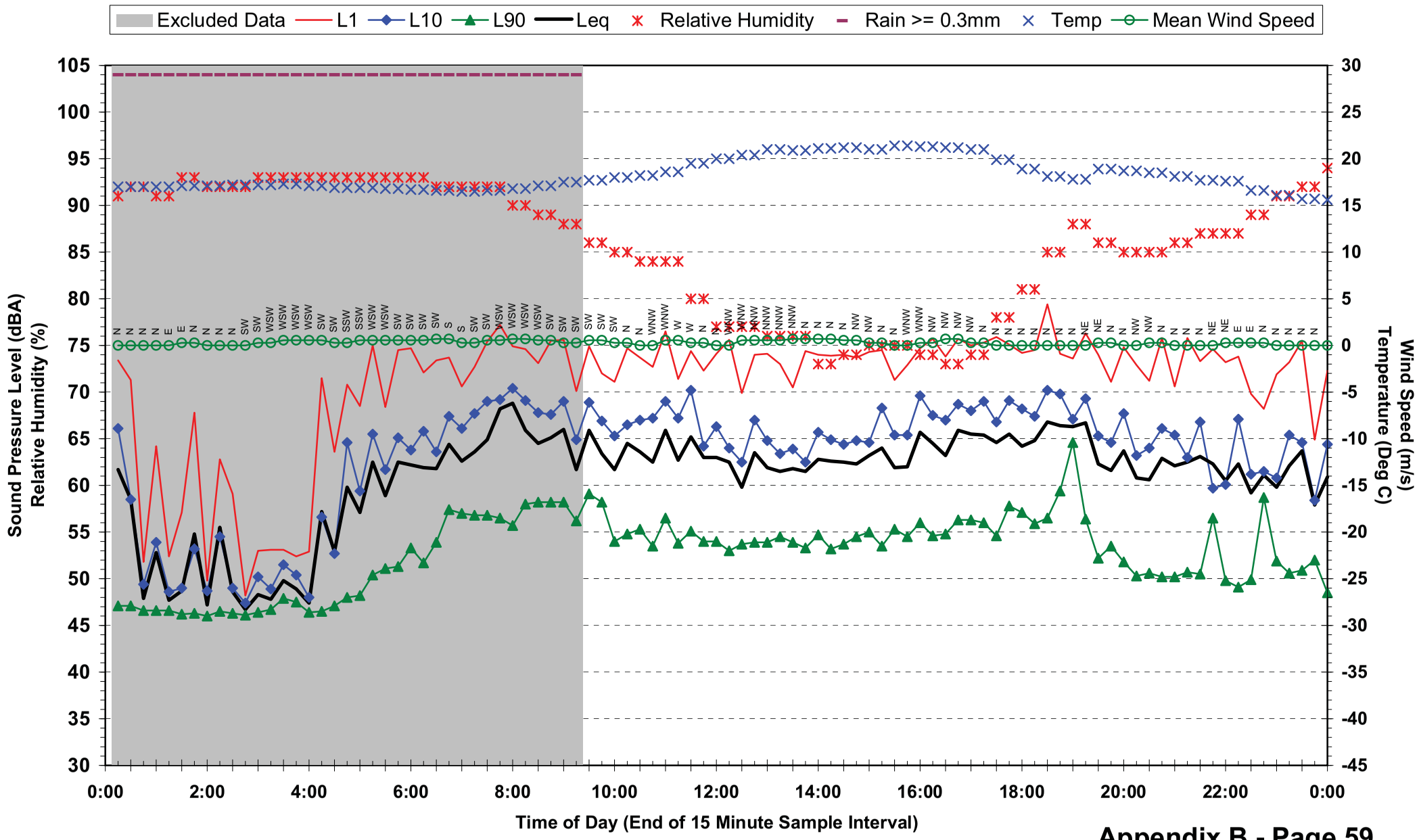
Statistical Ambient Noise Levels
Location 6 - Parkland Cres - Sunday 23 May 2010



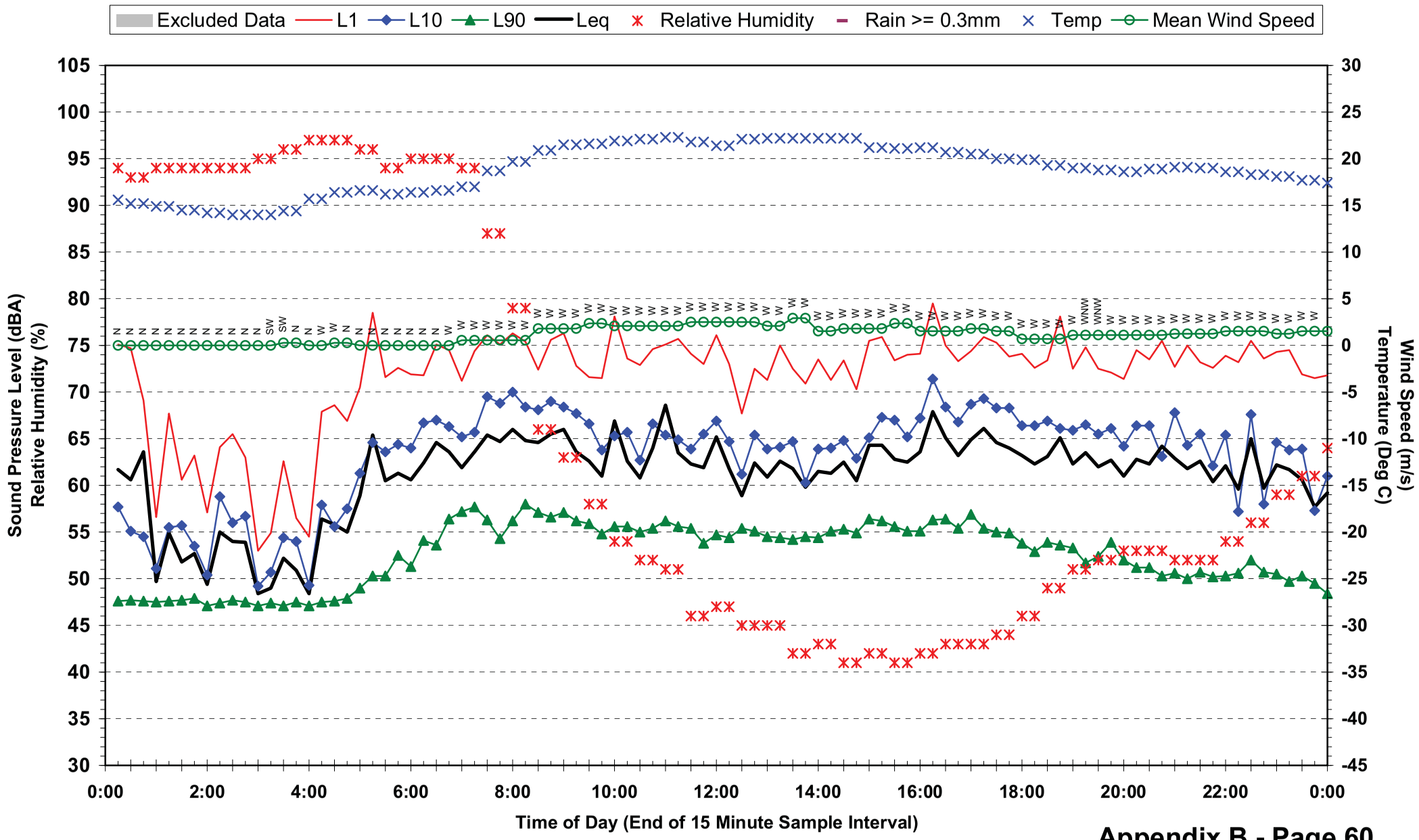
Statistical Ambient Noise Levels
Location 6 - Parkland Cres - Monday 24 May 2010

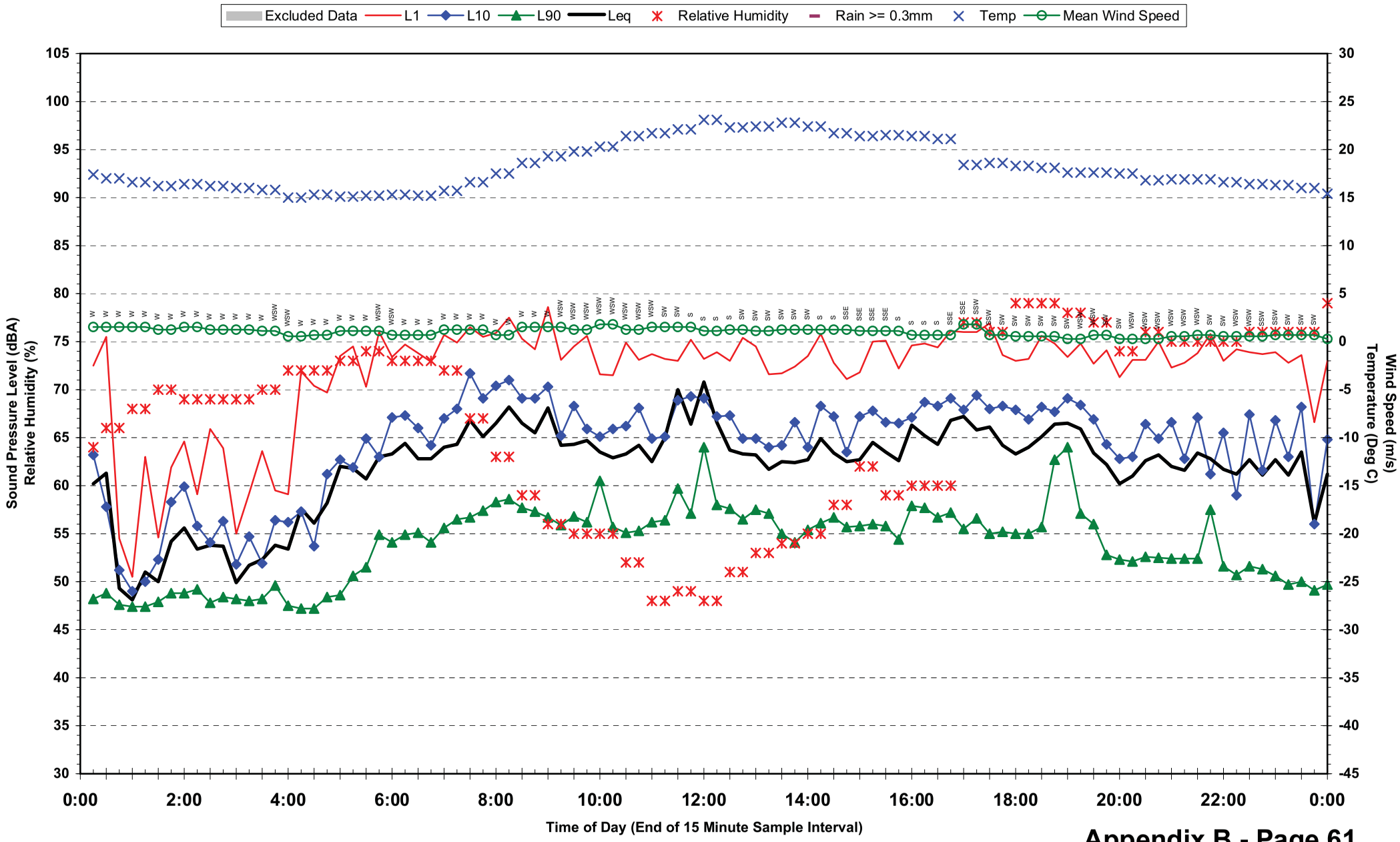


Statistical Ambient Noise Levels
Location 6 - Parkland Cres - Tuesday 25 May 2010

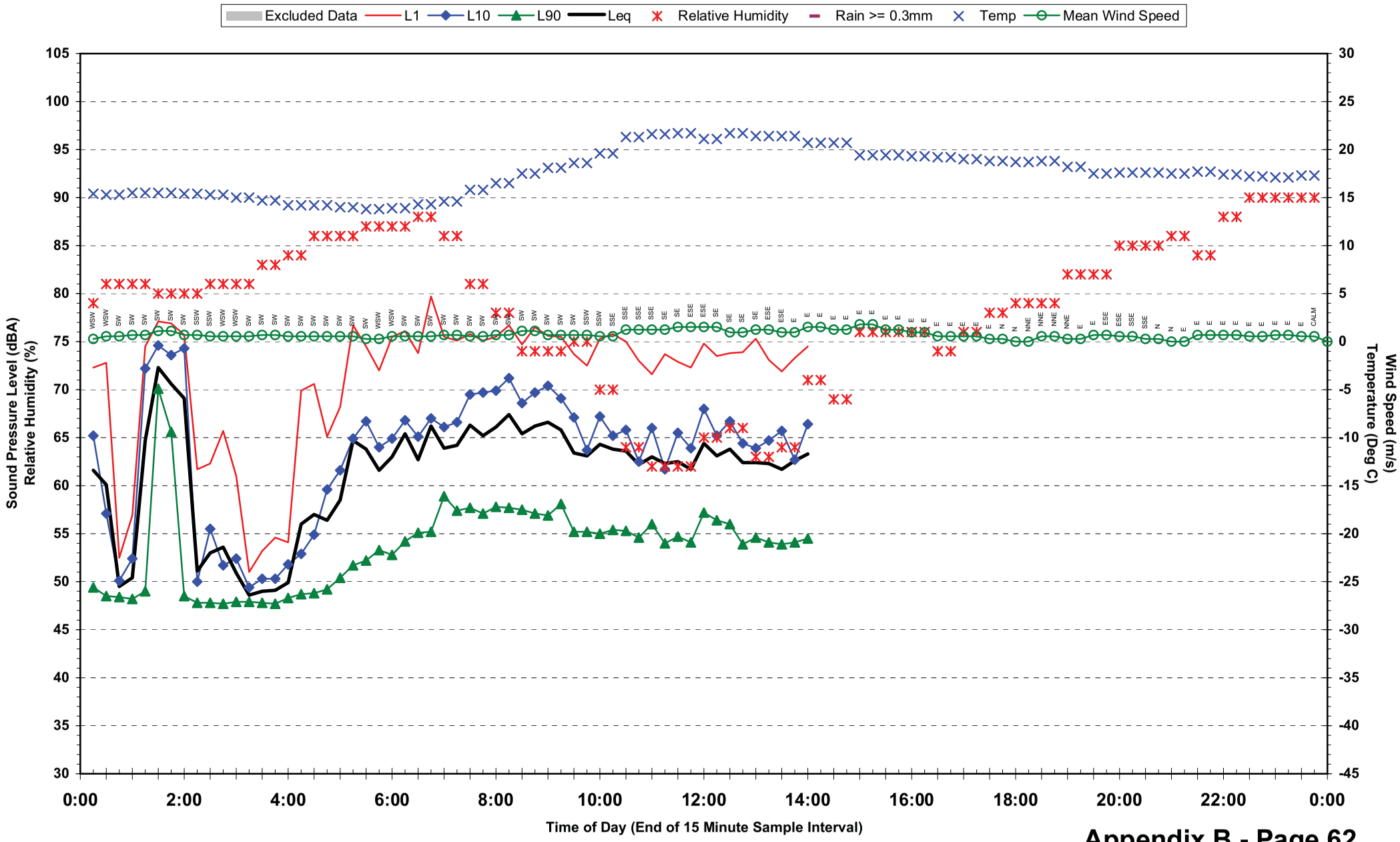


Statistical Ambient Noise Levels
Location 6 - Parkland Cres - Wednesday 26 May 2010

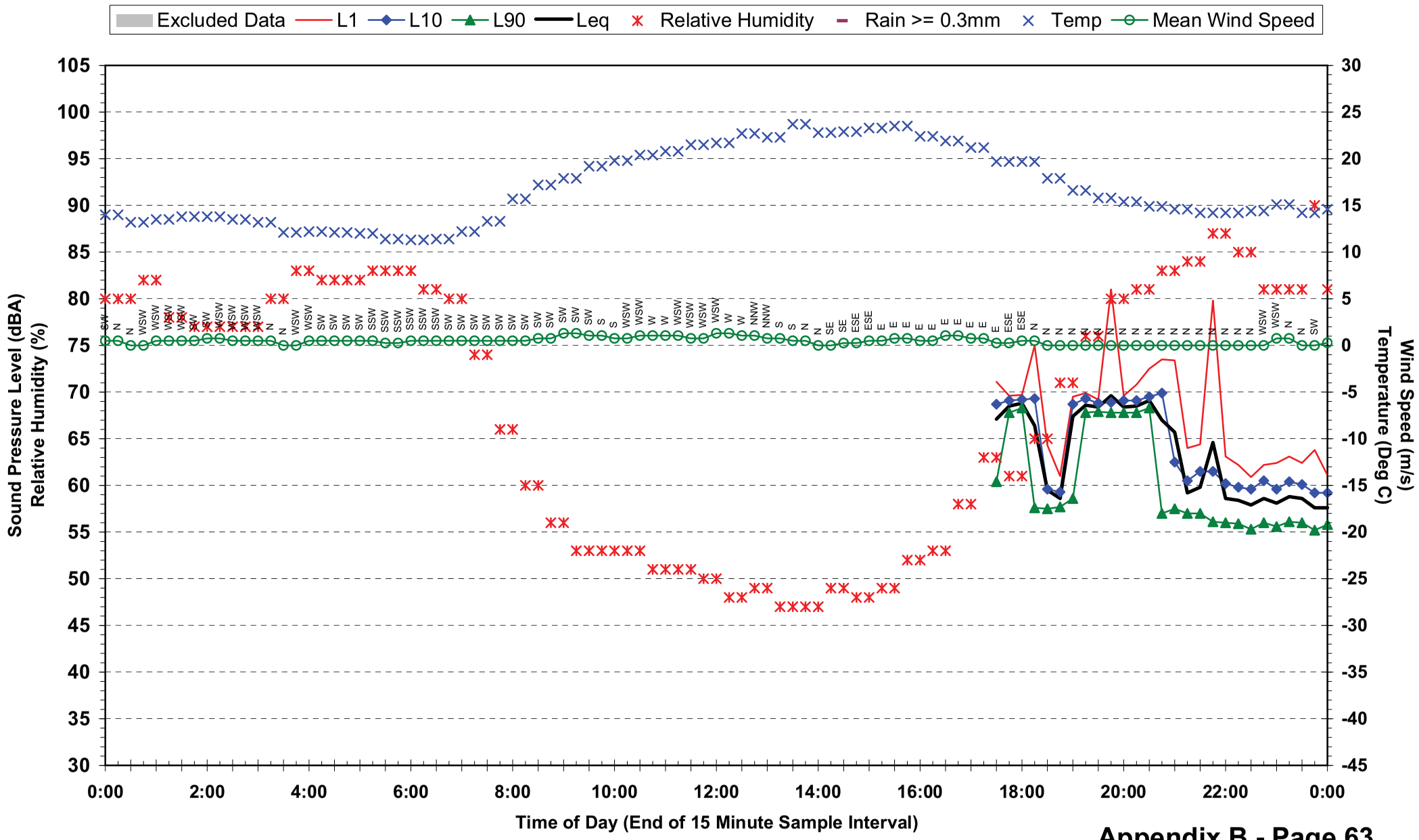



Statistical Ambient Noise Levels
Location 6 - Parkland Cres - Thursday 27 May 2010
Excluded Data
L1
L10
L90
Leq
Relative Humidity
Rain >= 0.3mm
Temp
Mean Wind Speed
Sound Pressure Level (dBA)
Relative Humidity (%)
Wind Speed (m/s)
Temperature (Deg C)
Time of Day (End of 15 Minute Sample Interval)
0:00
2:00
4:00
6:00
8:00
10:00
12:00
14:00
16:00
18:00
20:00
22:00
0:00

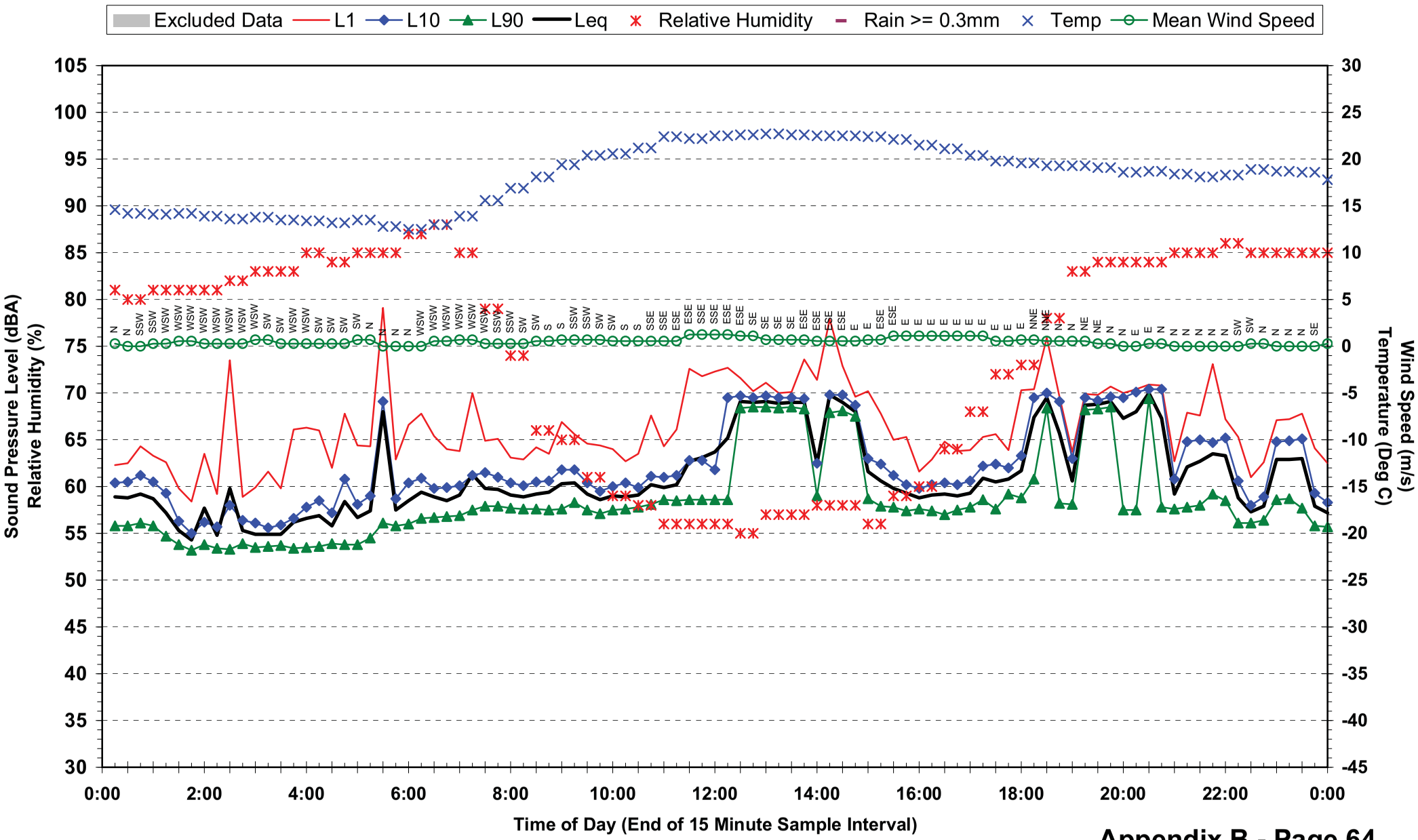
Statistical Ambient Noise Levels
Location 6 - Parkland Cres - Friday 28 May 2010



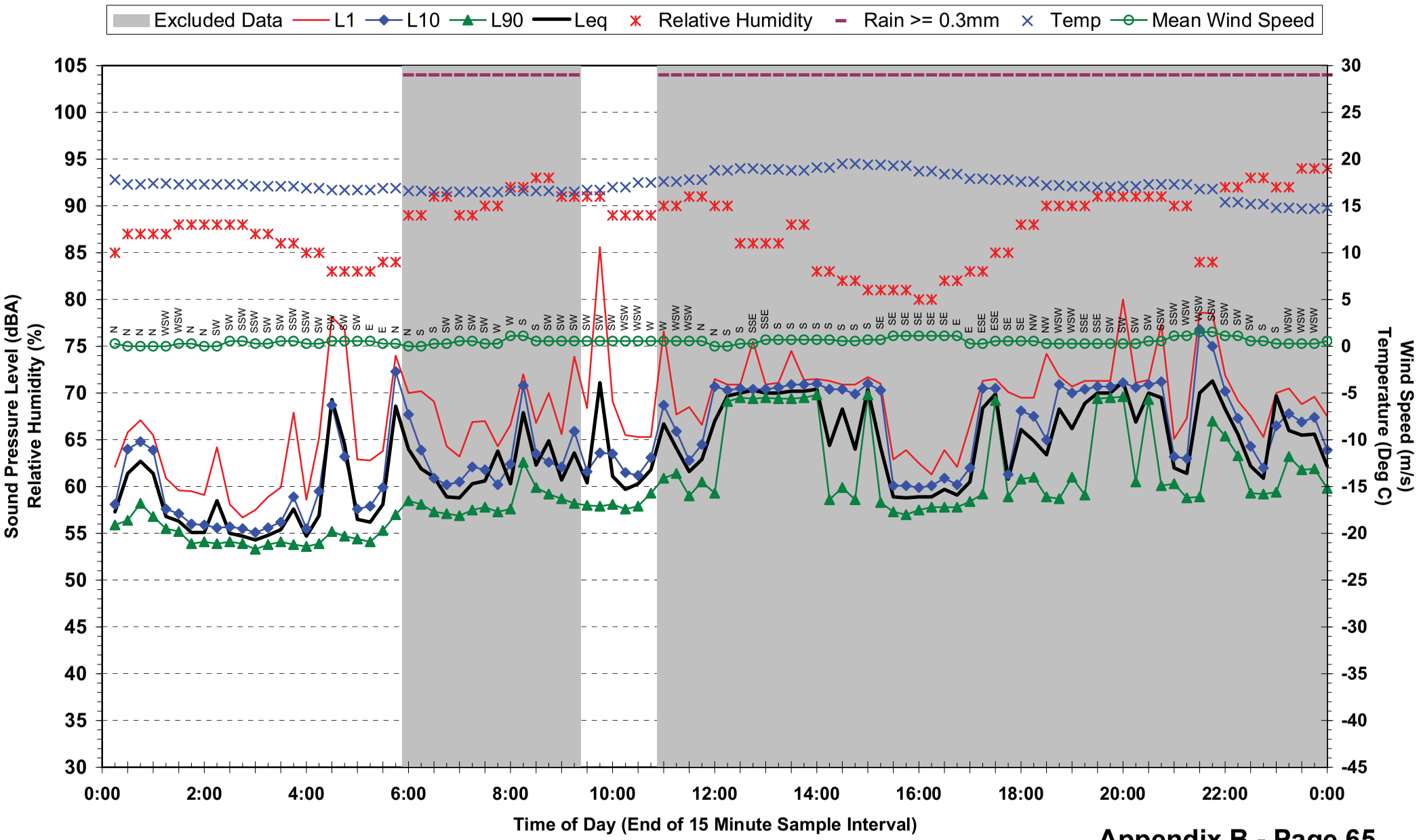
Statistical Ambient Noise Levels
Location 7 - 191 George St - Wednesday 19 May 2010



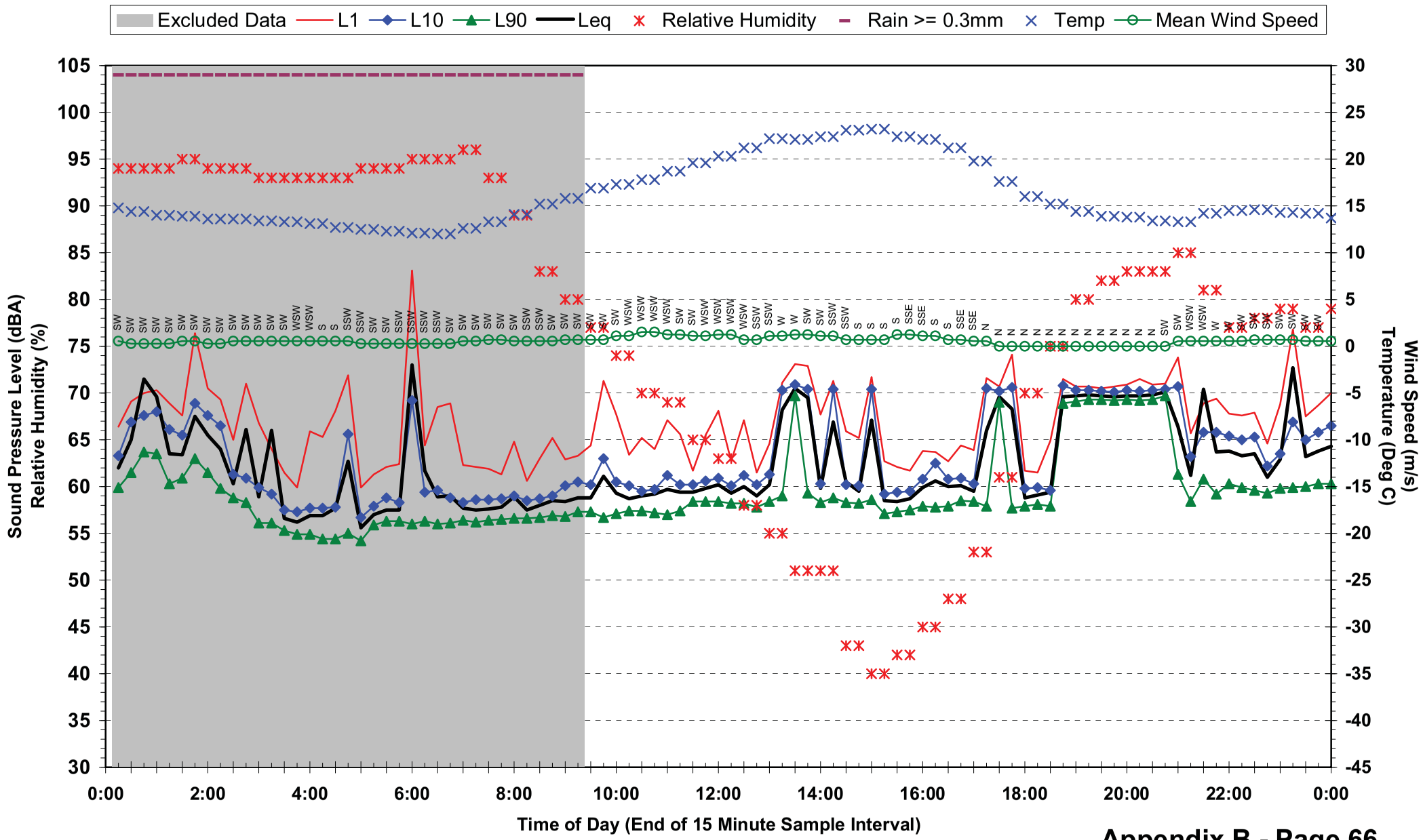
Statistical Ambient Noise Levels
Location 7 - 191 George St - Thursday 20 May 2010



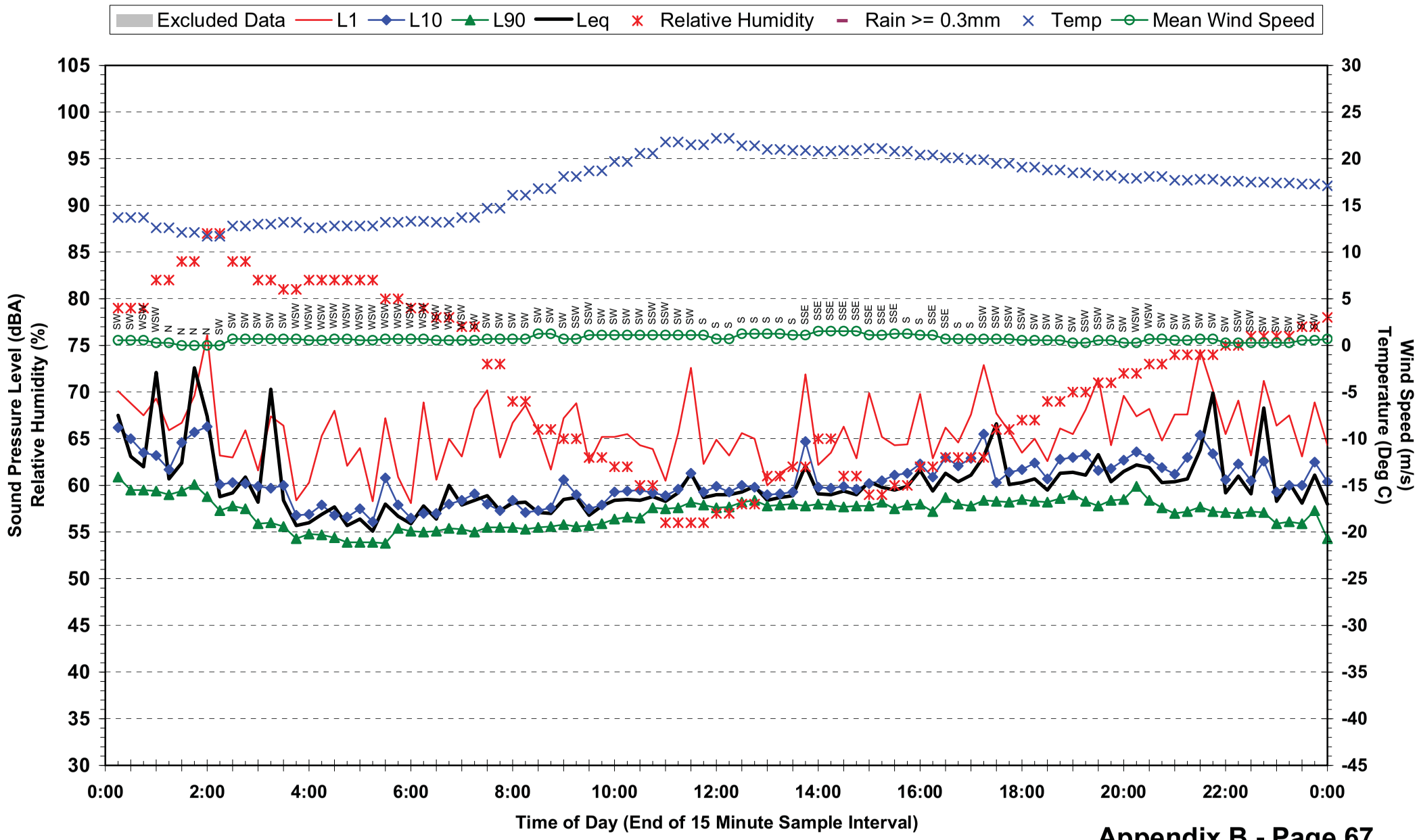
Statistical Ambient Noise Levels
Location 7 - 191 George St - Friday 21 May 2010



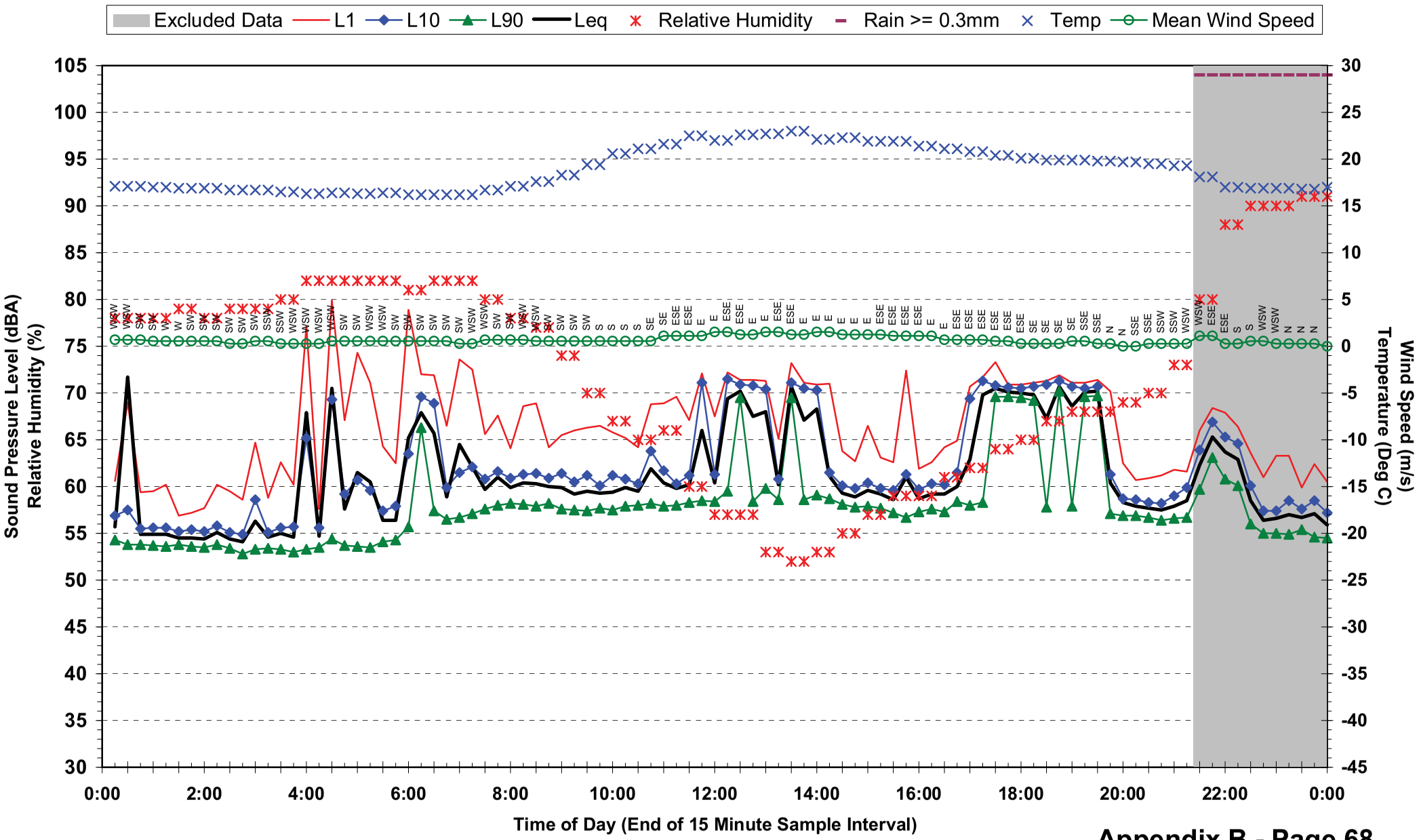
Statistical Ambient Noise Levels
Location 7 - 191 George St - Saturday 22 May 2010



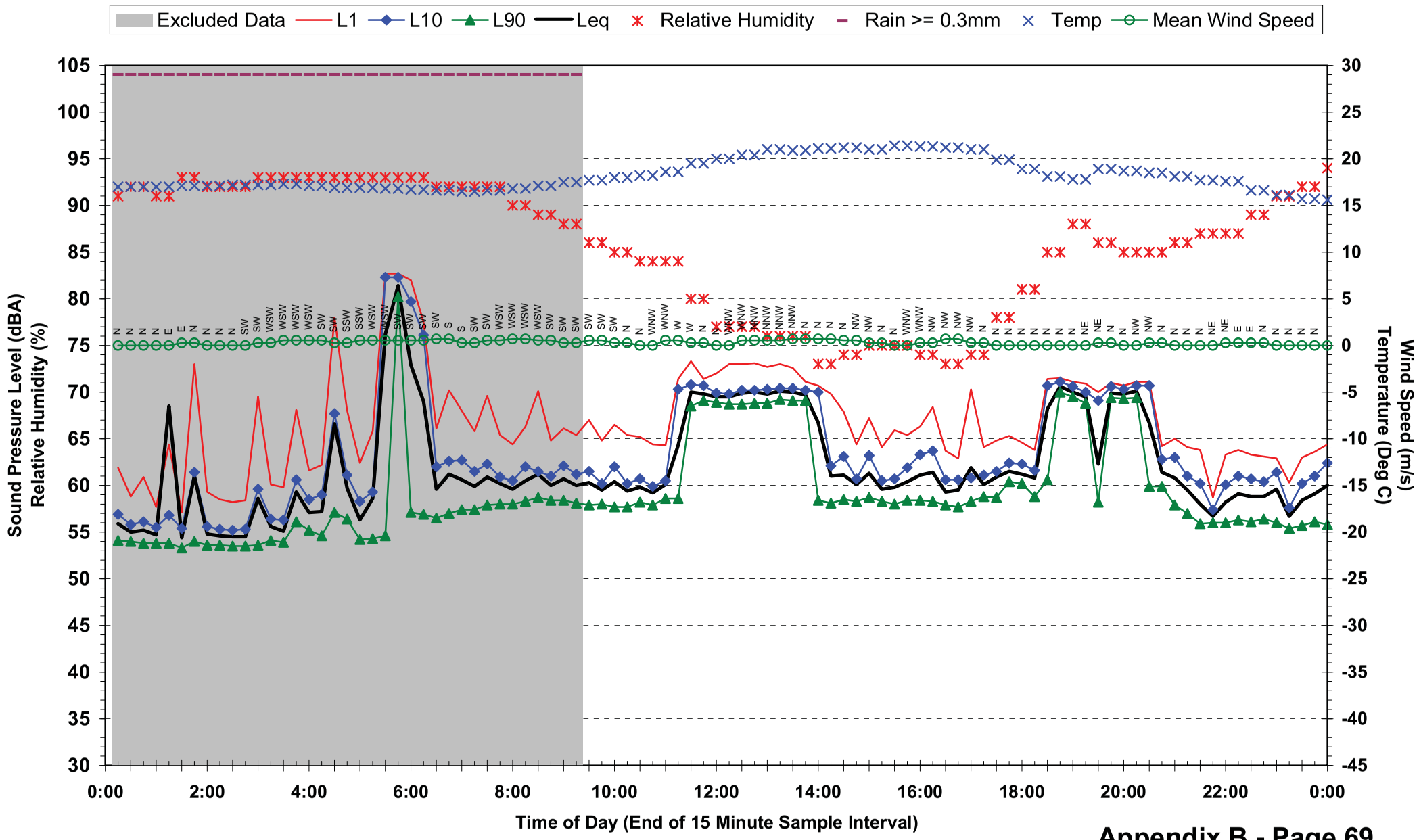
Statistical Ambient Noise Levels
Location 7 - 191 George St - Sunday 23 May 2010



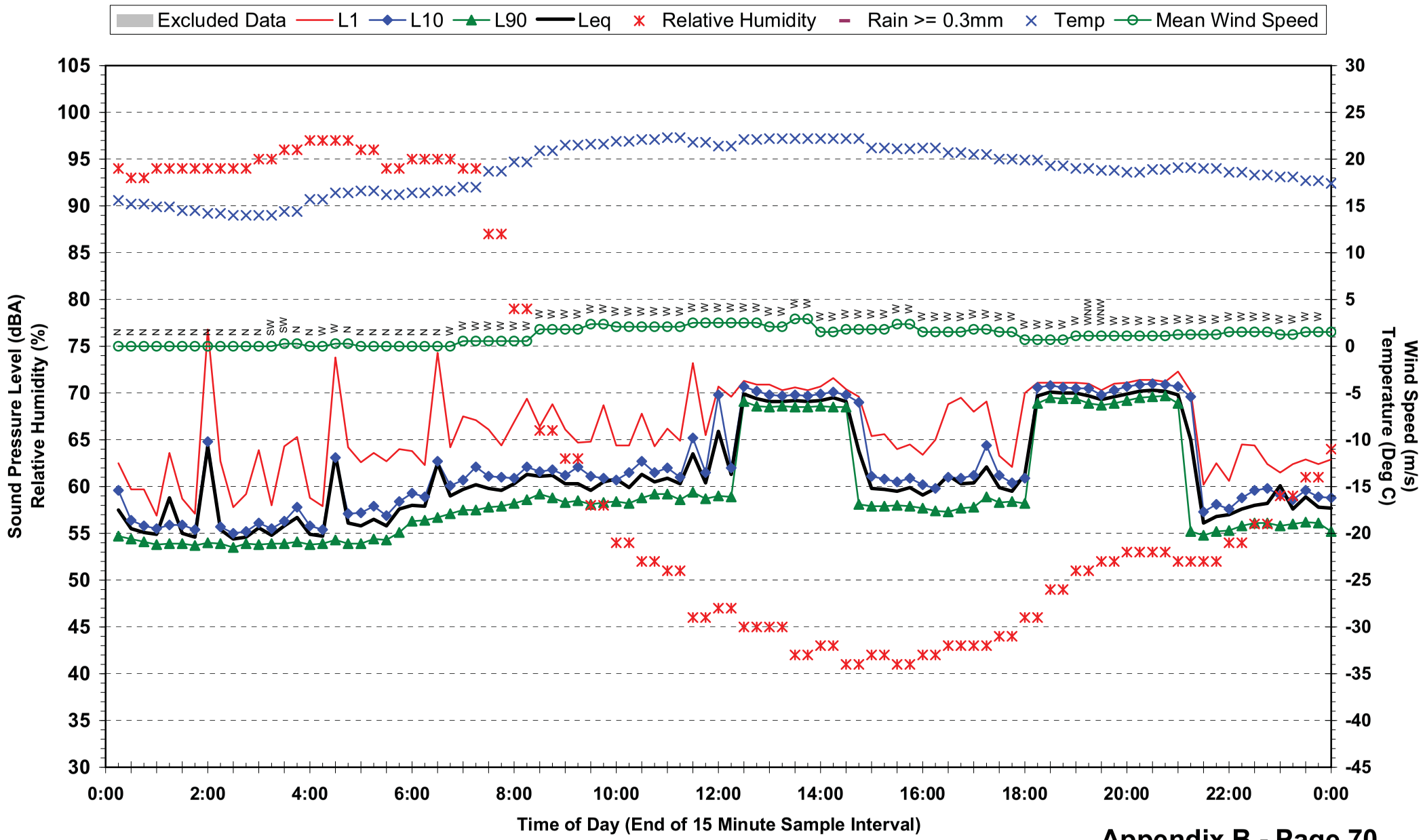
Statistical Ambient Noise Levels
Location 7 - 191 George St - Monday 24 May 2010



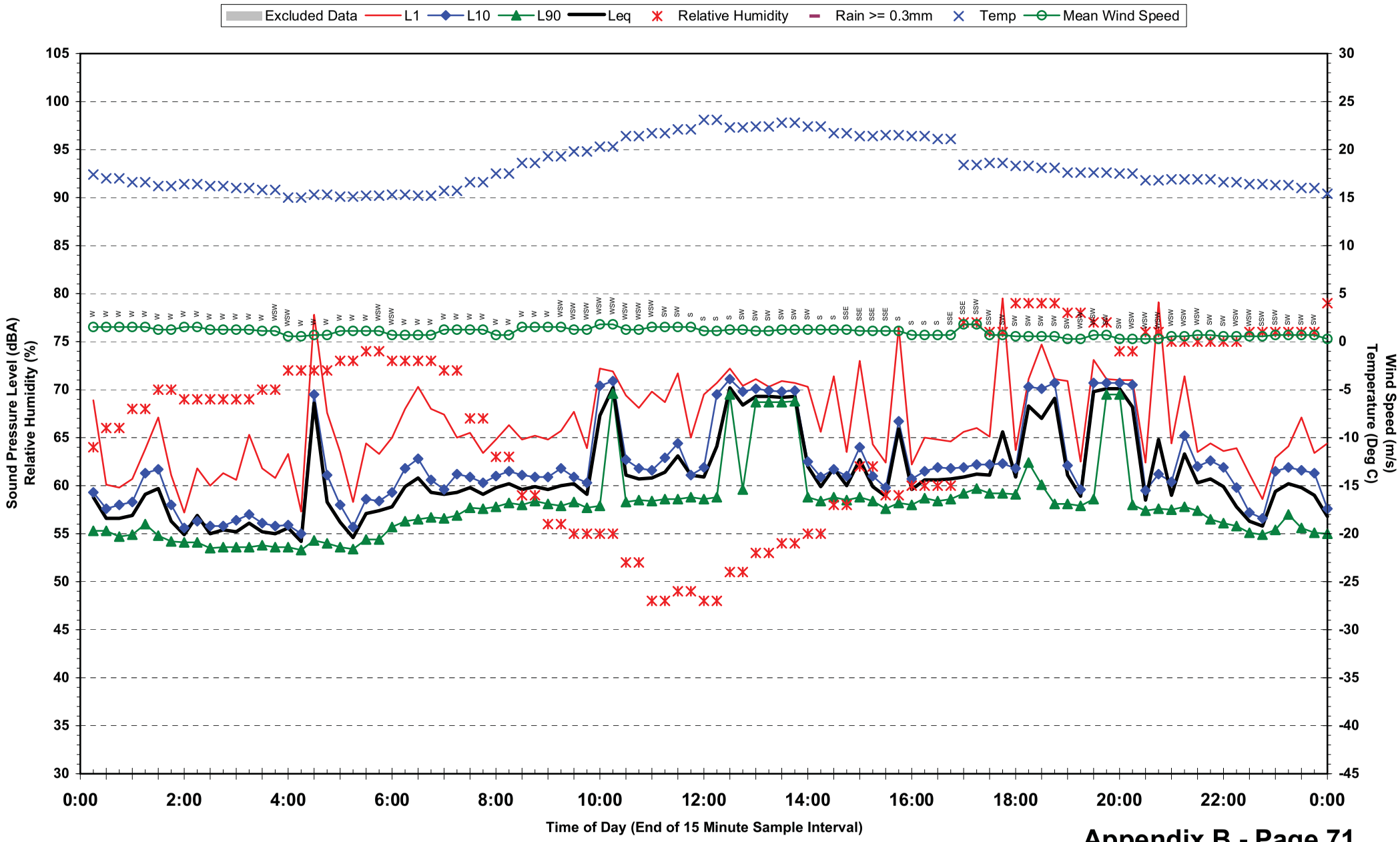
Statistical Ambient Noise Levels
Location 7 - 191 George St - Tuesday 25 May 2010



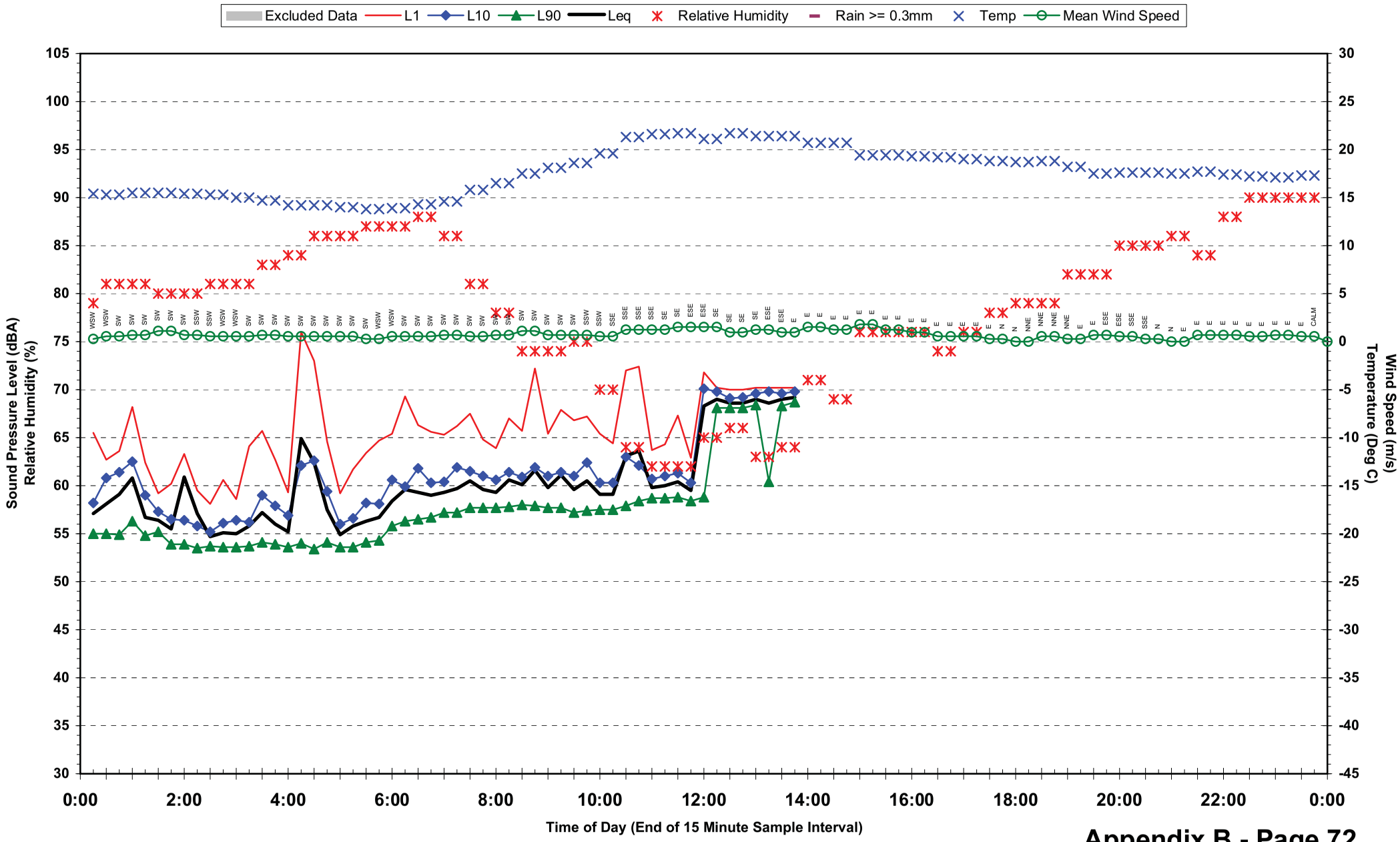
Statistical Ambient Noise Levels
Location 7 - 191 George St - Wednesday 26 May 2010



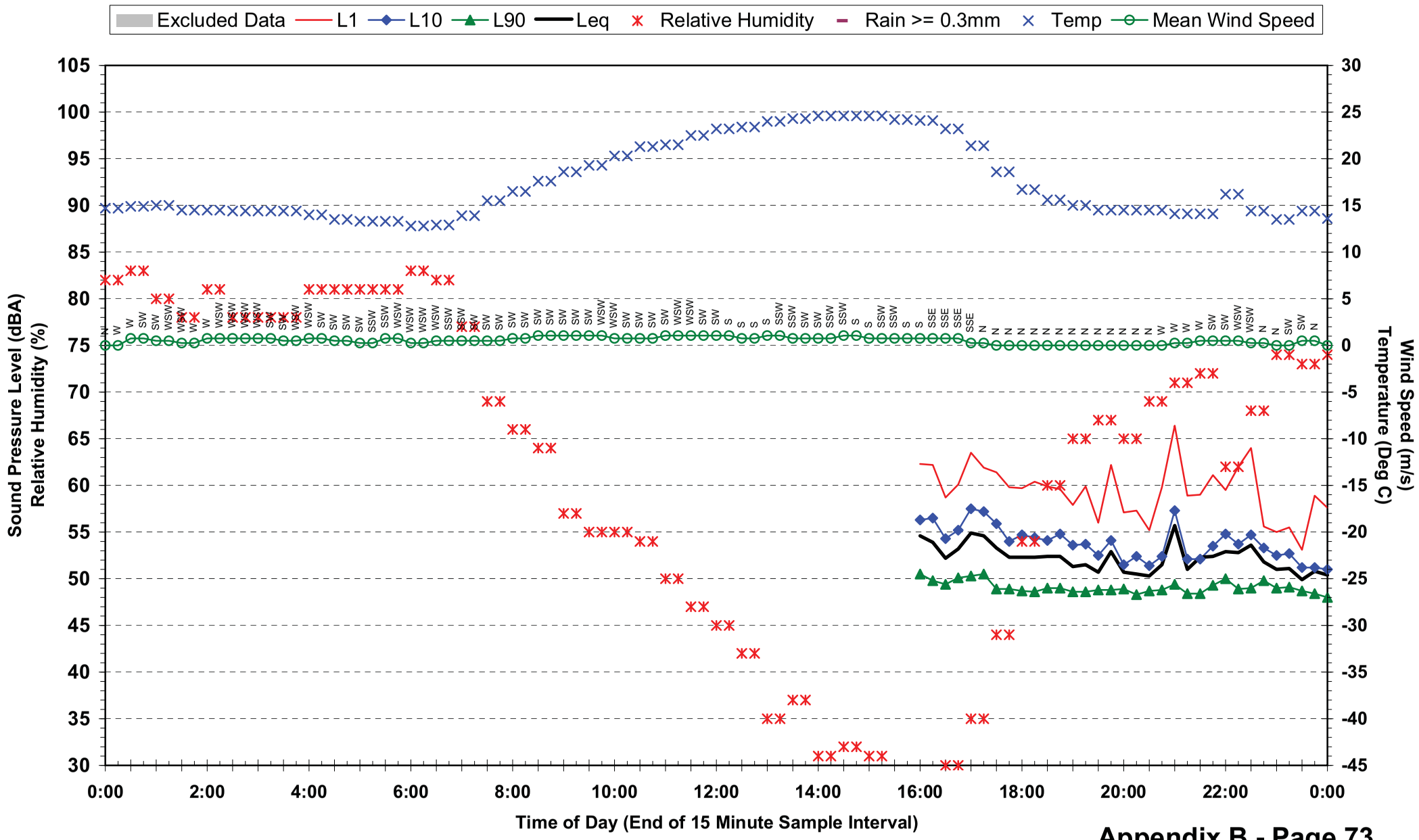
Statistical Ambient Noise Levels
Location 7 - 191 George St - Thursday 27 May 2010



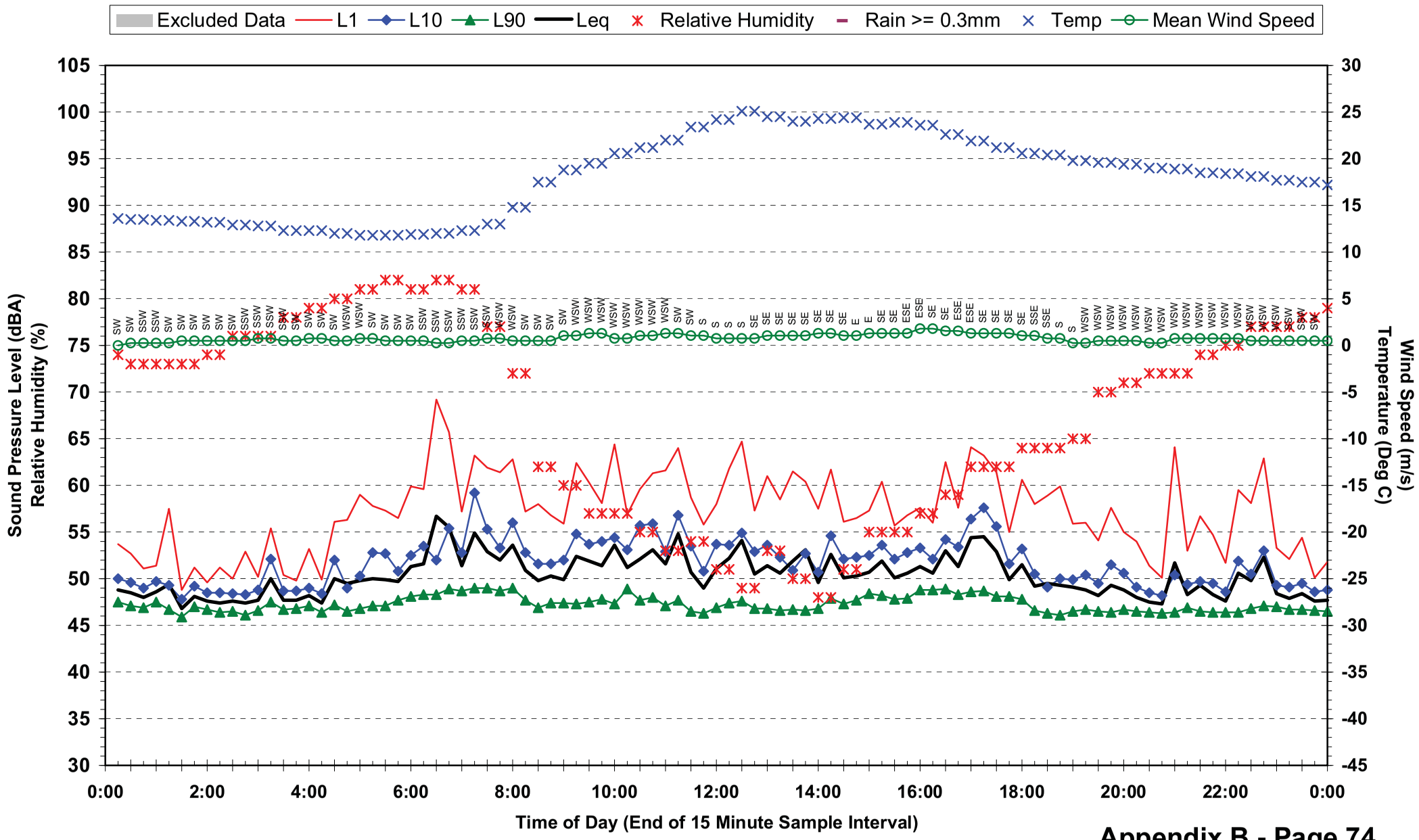
Statistical Ambient Noise Levels
Location 7 - 191 George St - Friday 28 May 2010



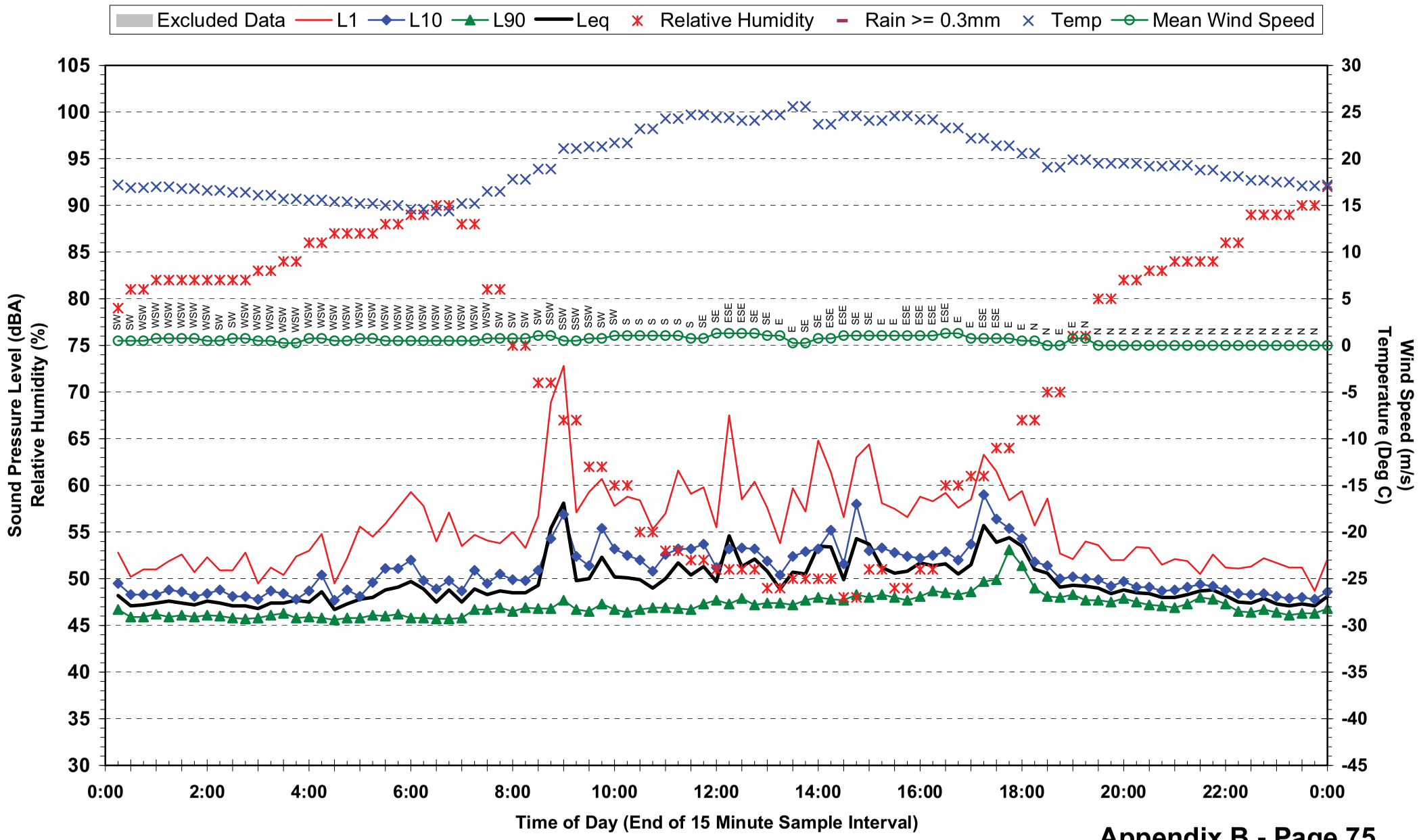
Statistical Ambient Noise Levels
Location 8 - QUT Gardens Point - Friday 7 May 2010



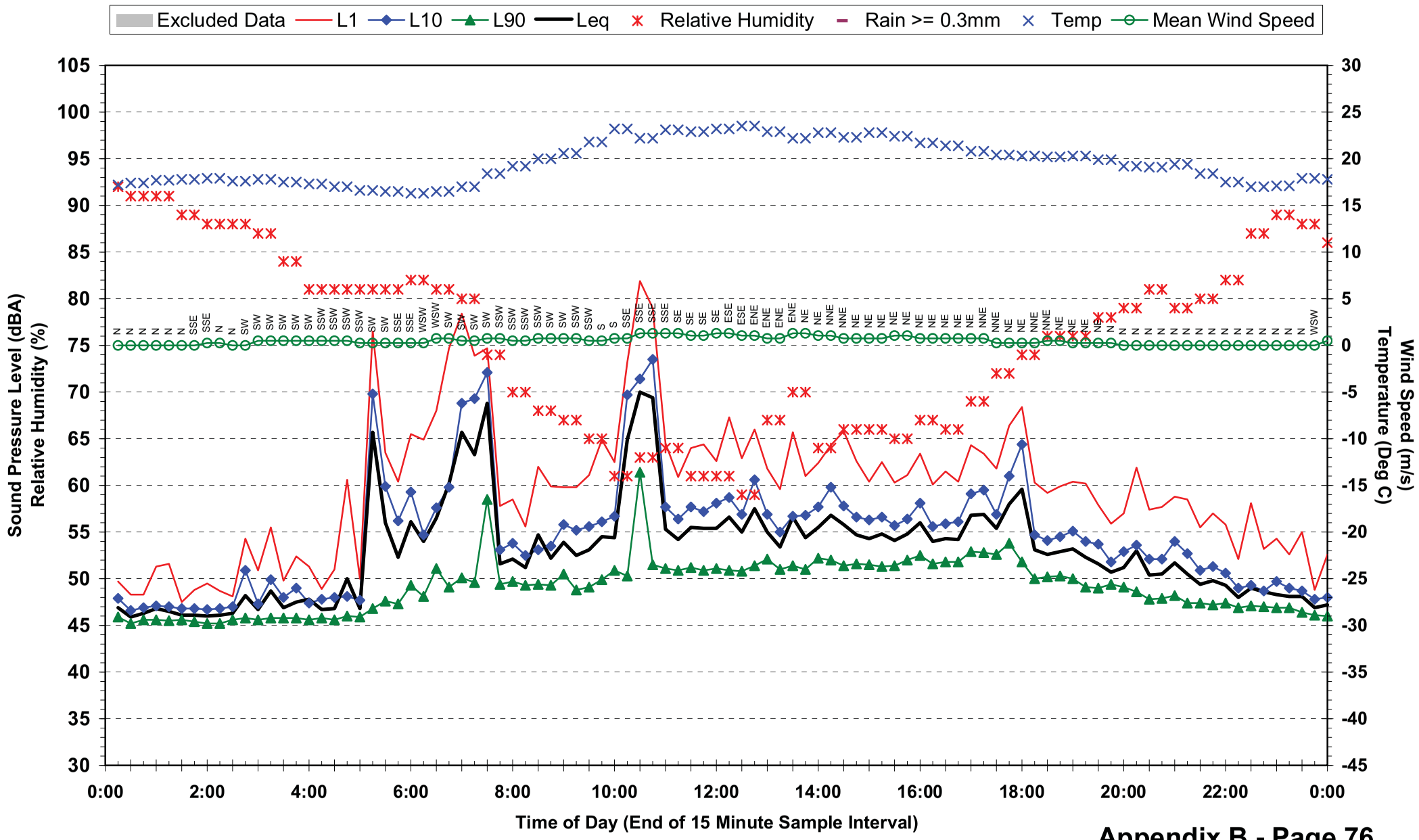
Statistical Ambient Noise Levels
Location 8 - QUT Gardens Point - Saturday 8 May 2010



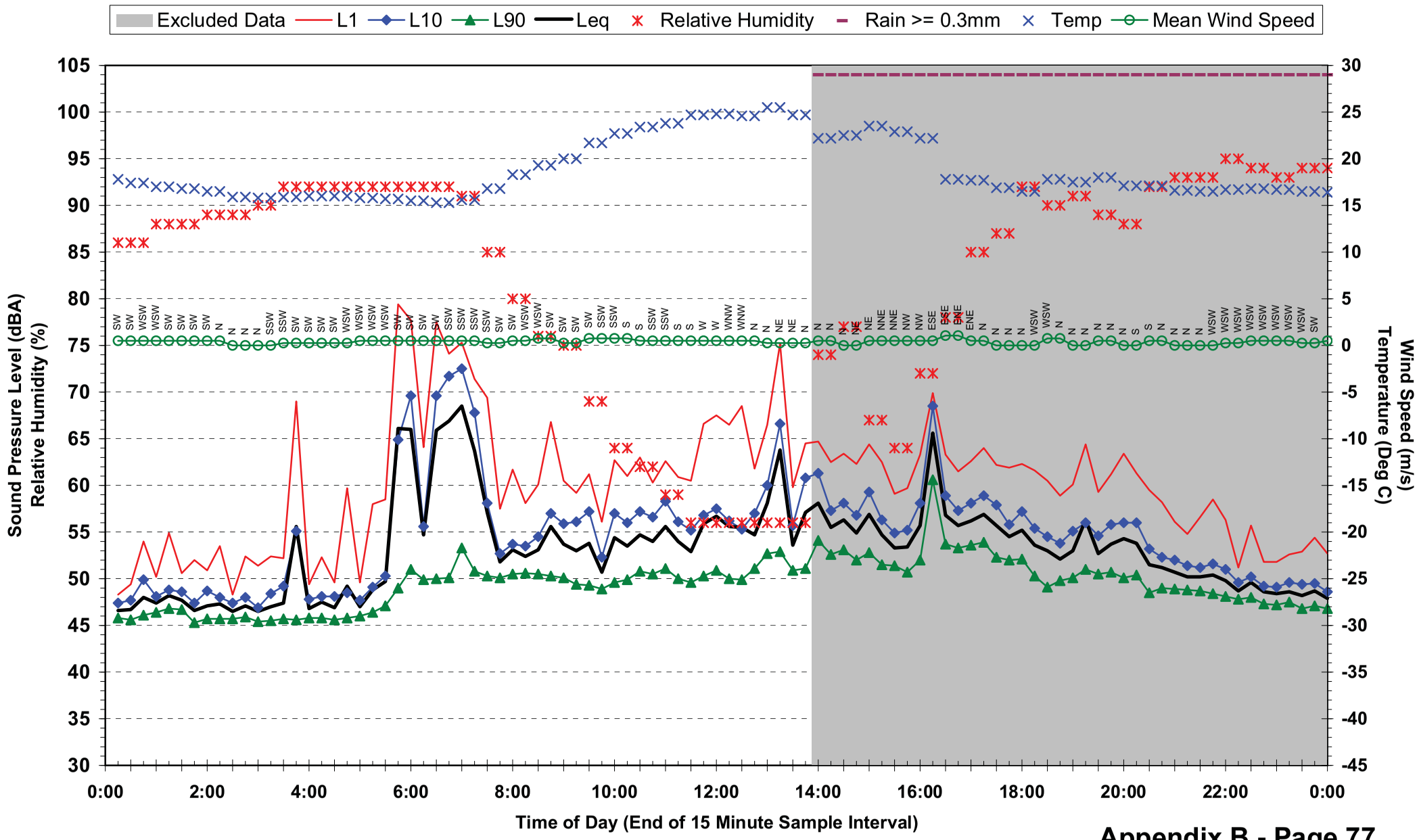
Statistical Ambient Noise Levels
Location 8 - QUT Gardens Point - Sunday 9 May 2010



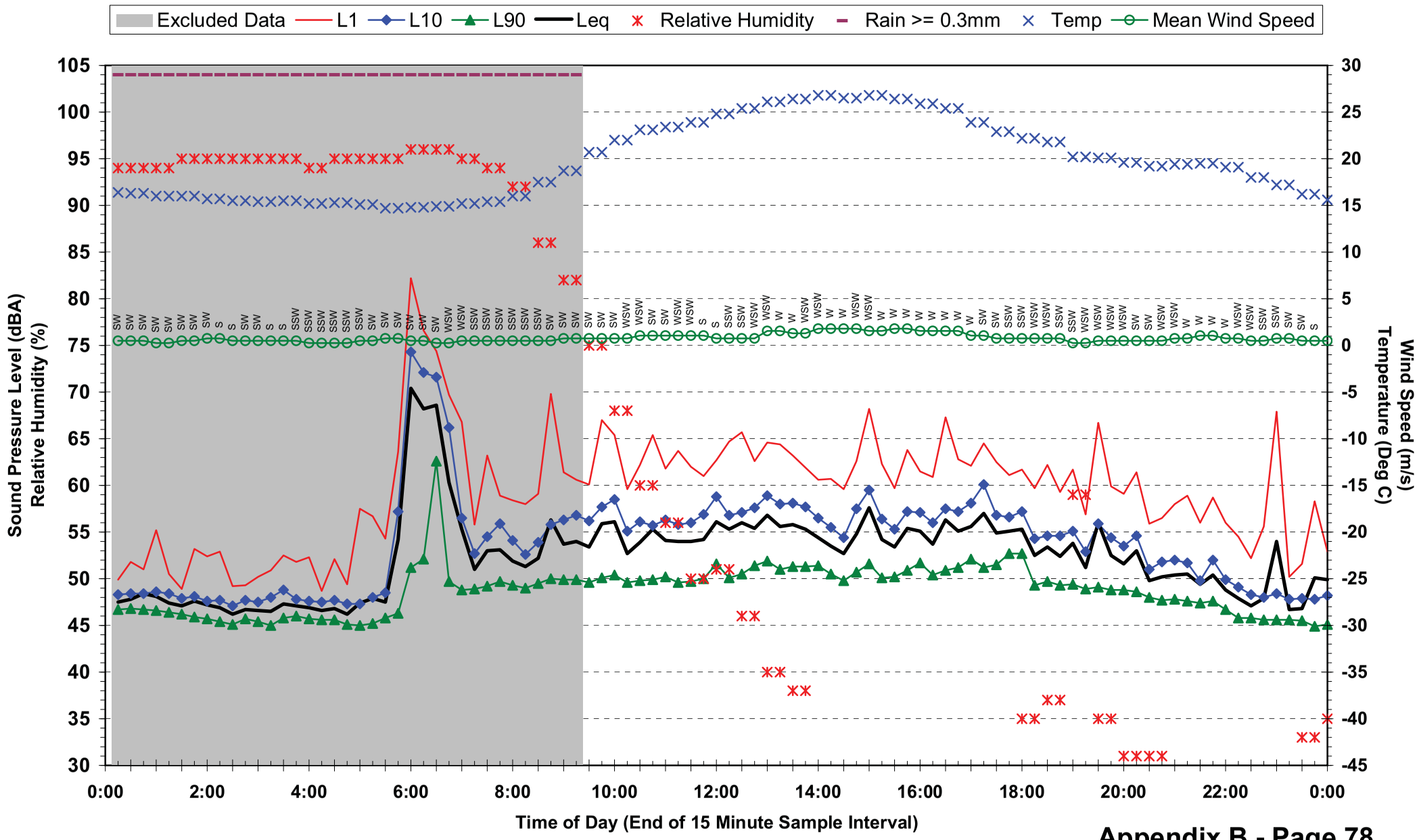
Statistical Ambient Noise Levels
Location 8 - QUT Gardens Point - Monday 10 May 2010



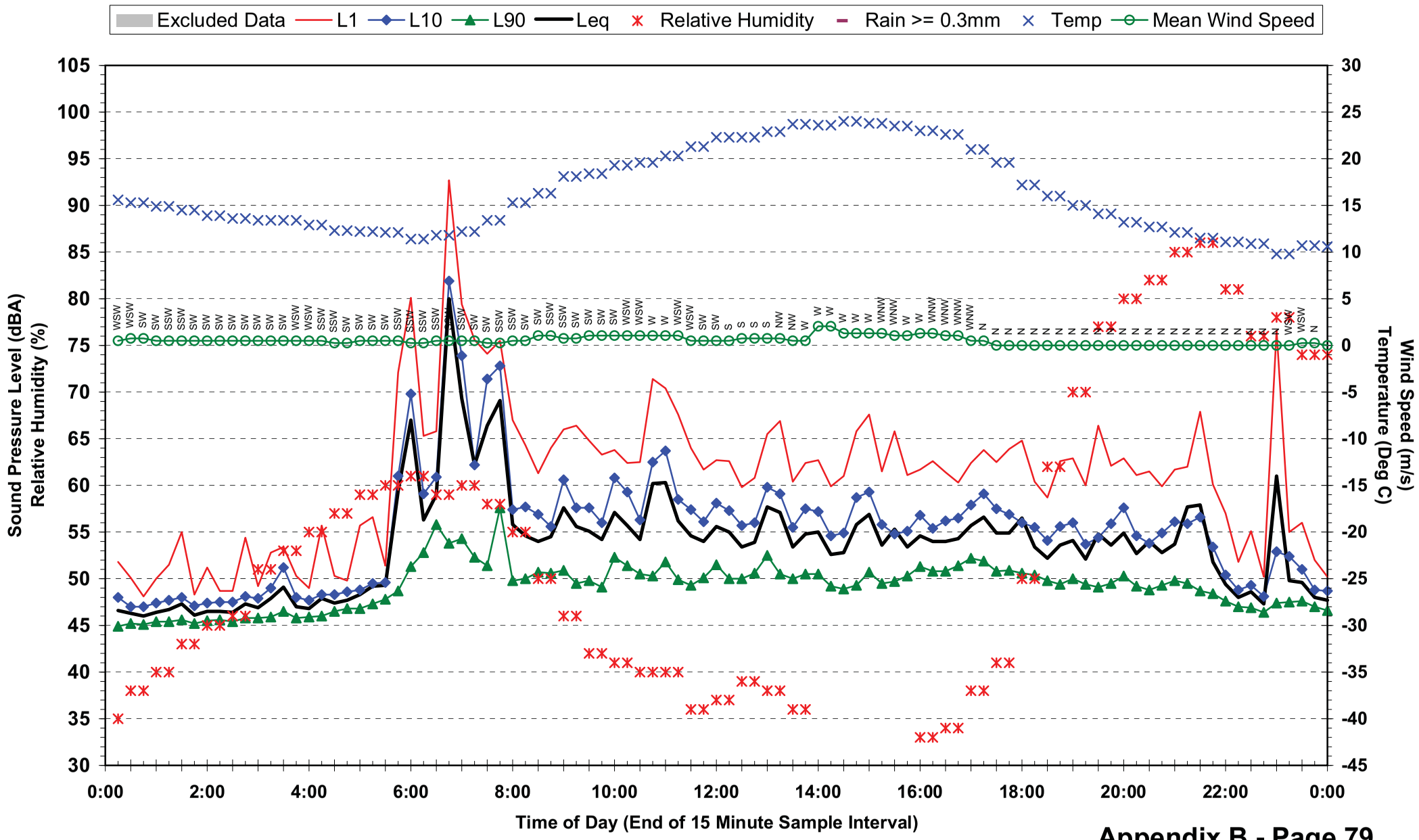
Statistical Ambient Noise Levels
Location 8 - QUT Gardens Point - Tuesday 11 May 2010



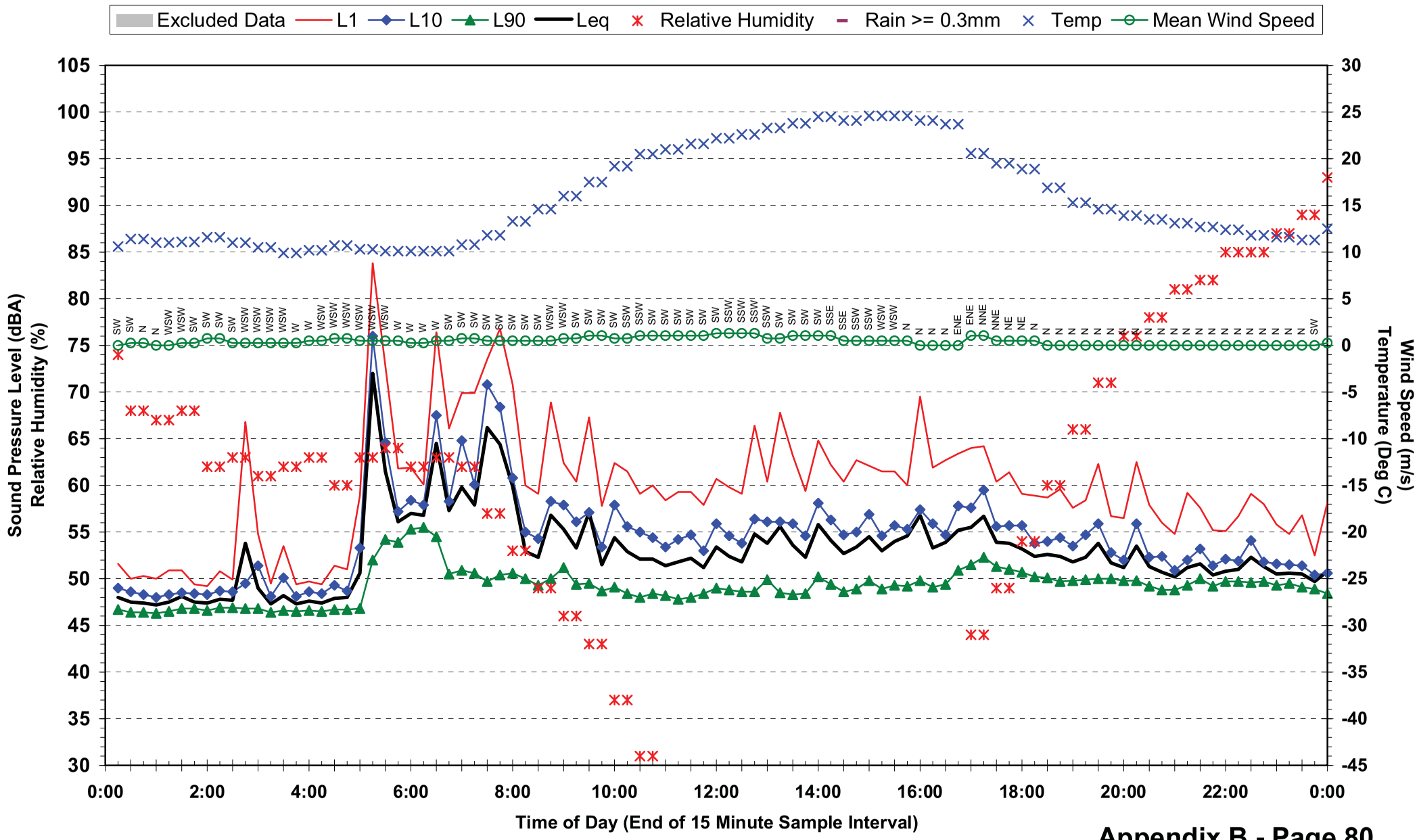
Statistical Ambient Noise Levels
Location 8 - QUT Gardens Point - Wednesday 12 May 2010



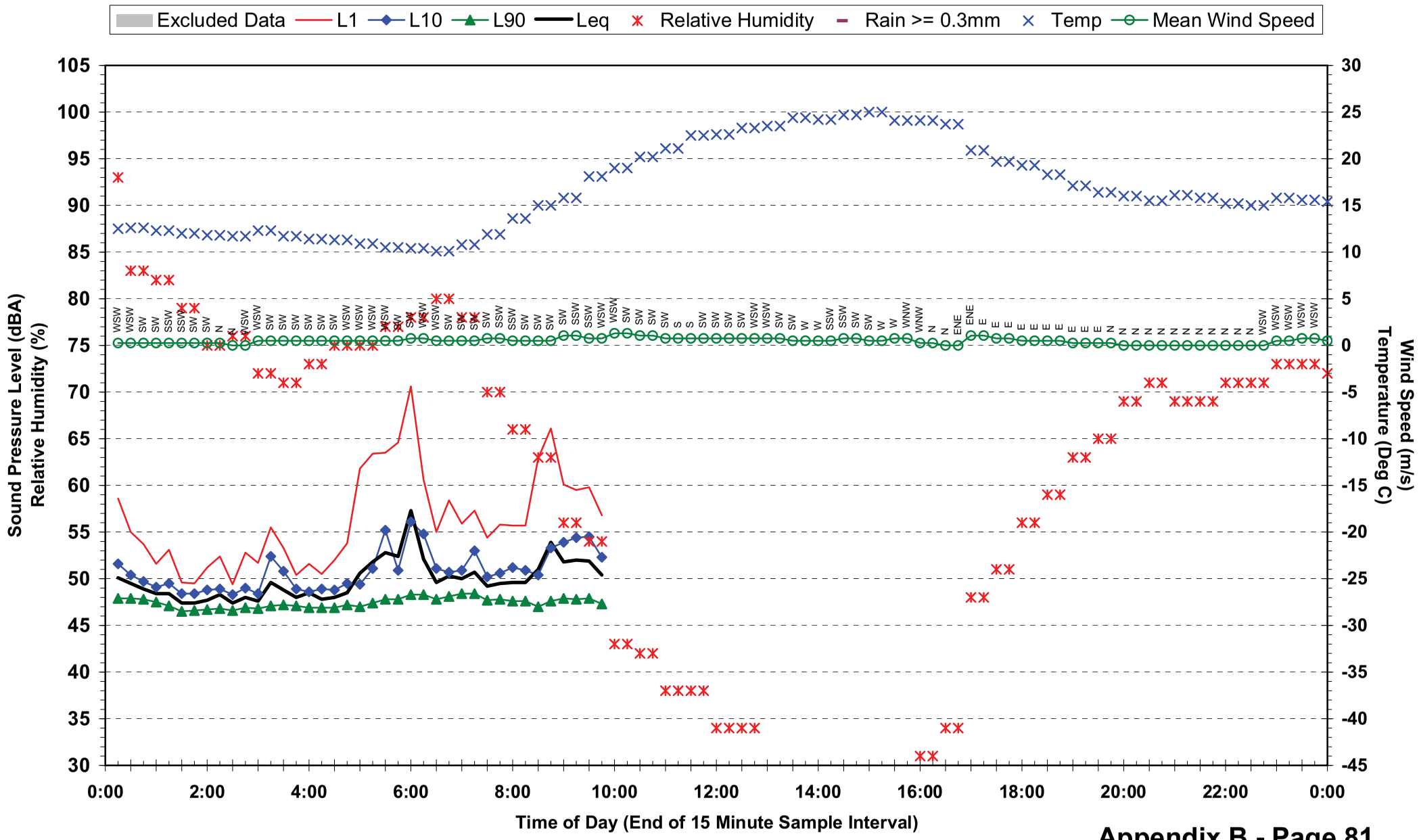
Statistical Ambient Noise Levels
Location 8 - QUT Gardens Point - Thursday 13 May 2010



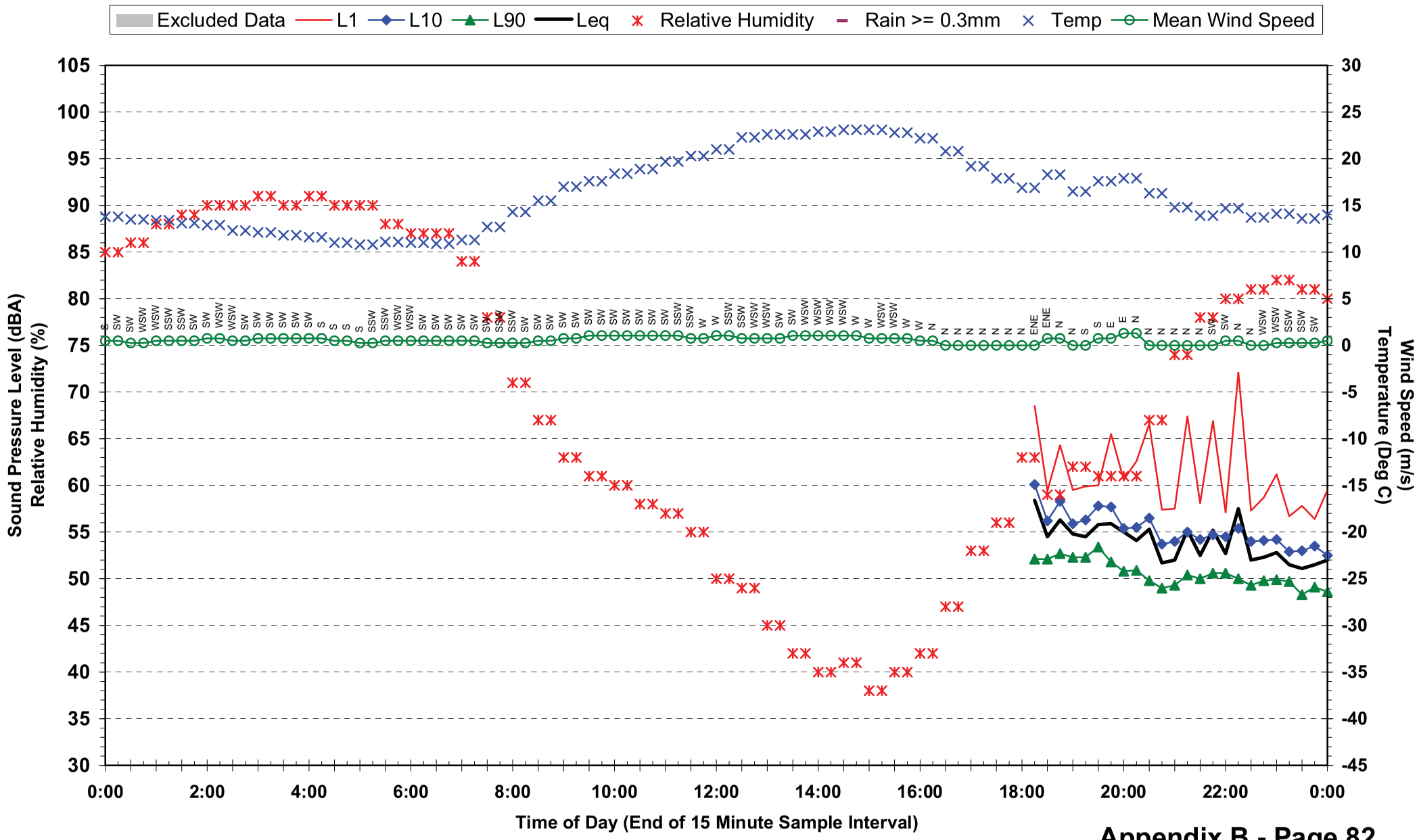
Statistical Ambient Noise Levels
Location 8 - QUT Gardens Point - Friday 14 May 2010



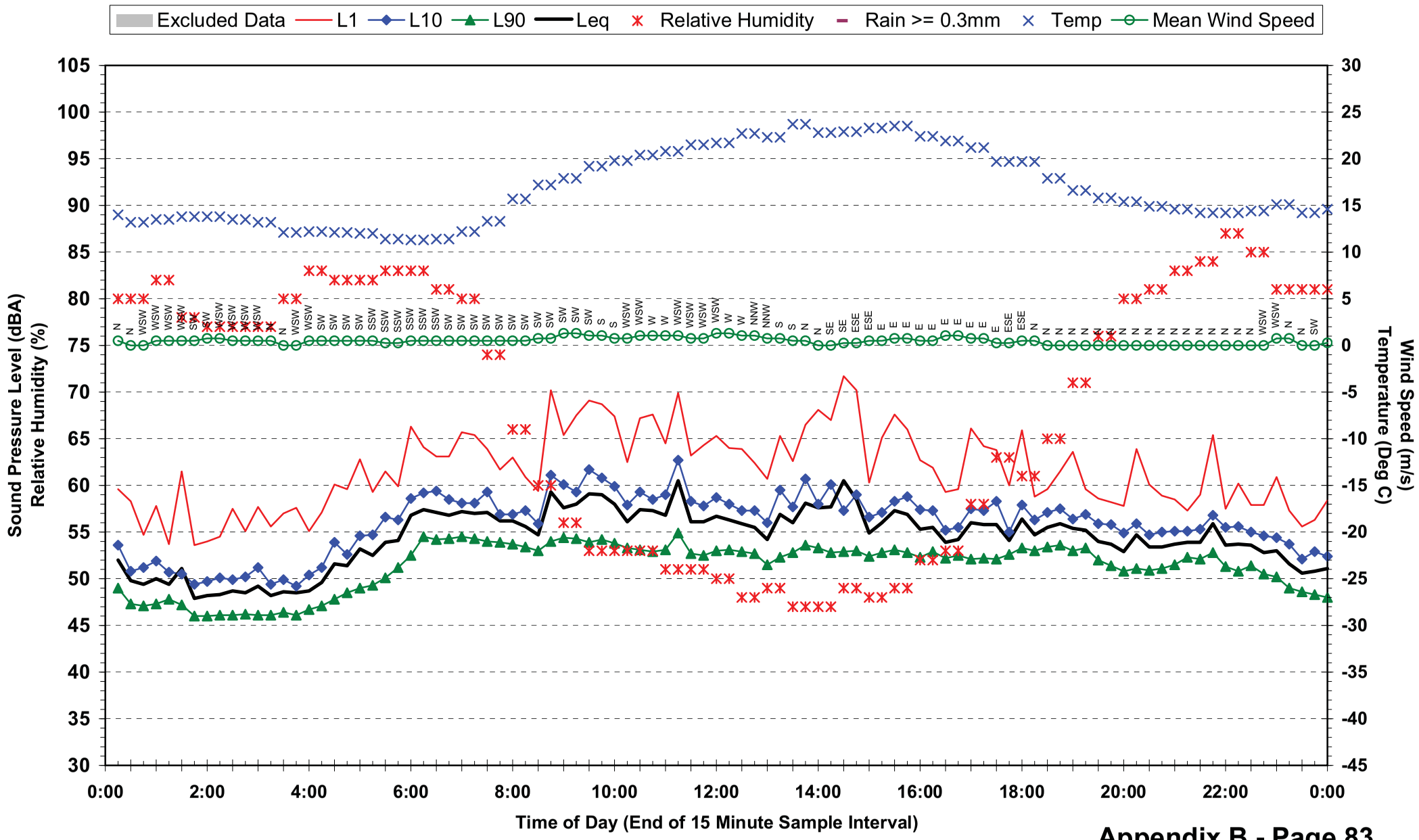
Statistical Ambient Noise Levels
Location 8 - QUT Gardens Point - Saturday 15 May 2010



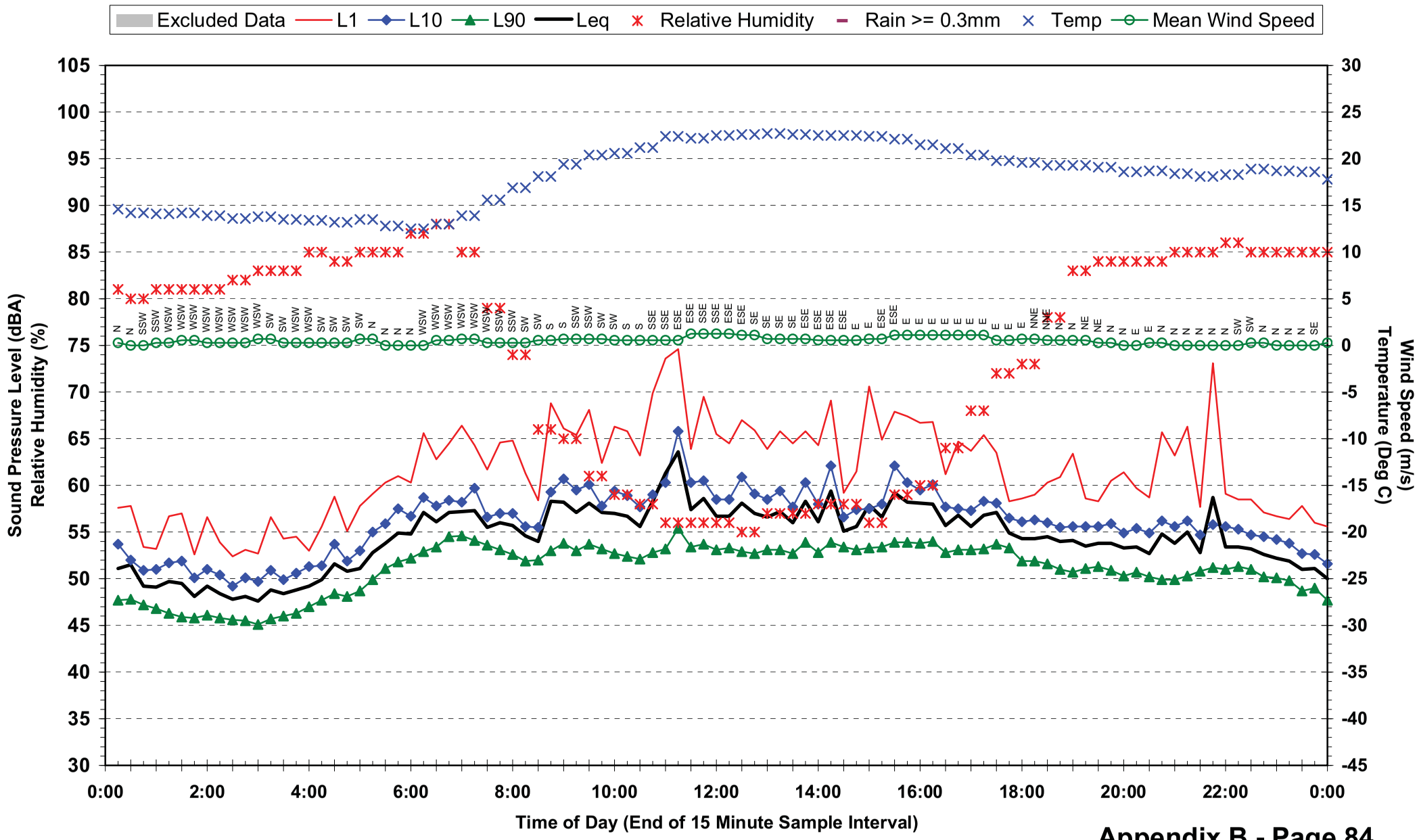
Statistical Ambient Noise Levels
Location 9 - 58 Leopard St - Tuesday 18 May 2010



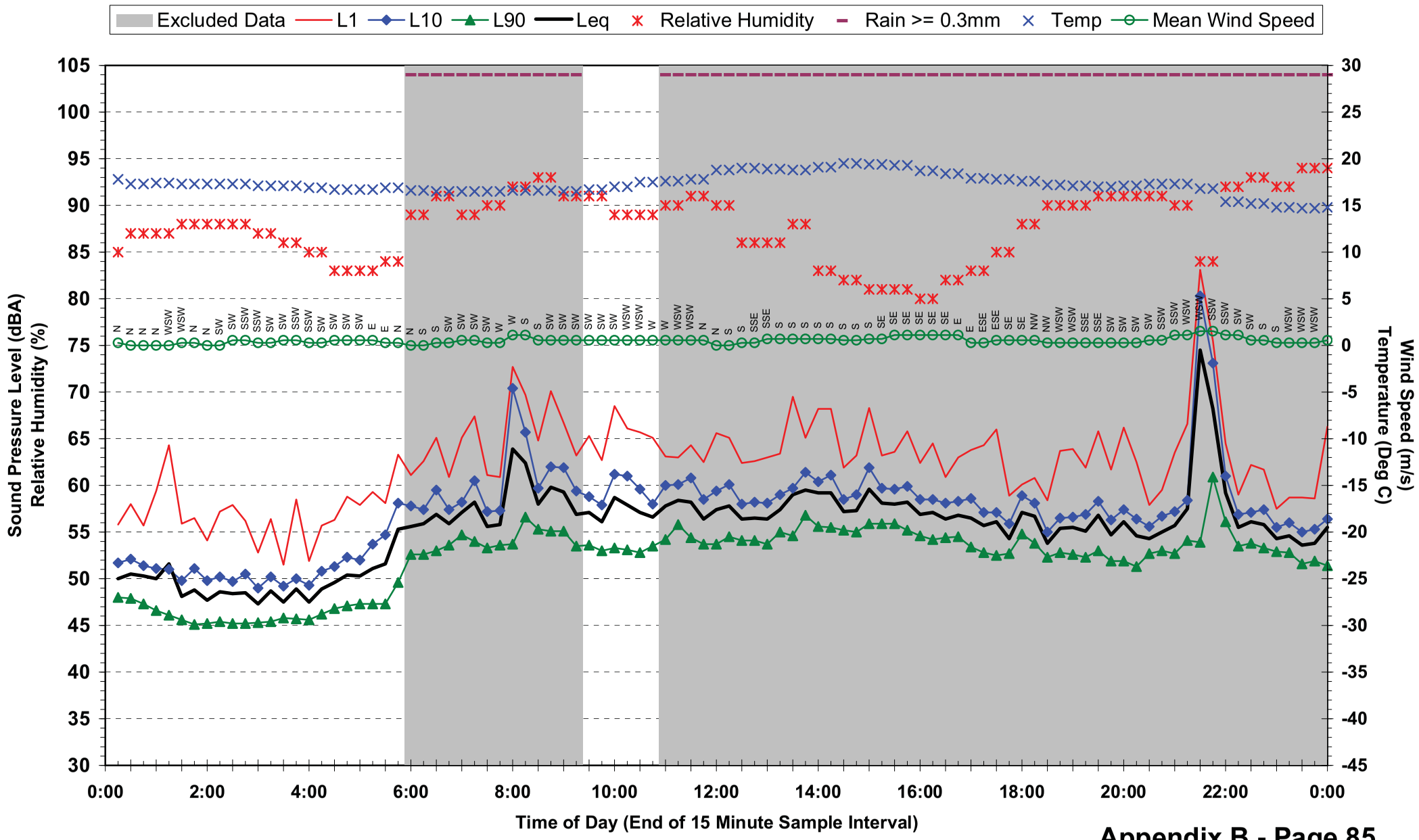
Statistical Ambient Noise Levels
Location 9 - 58 Leopard St - Wednesday 19 May 2010



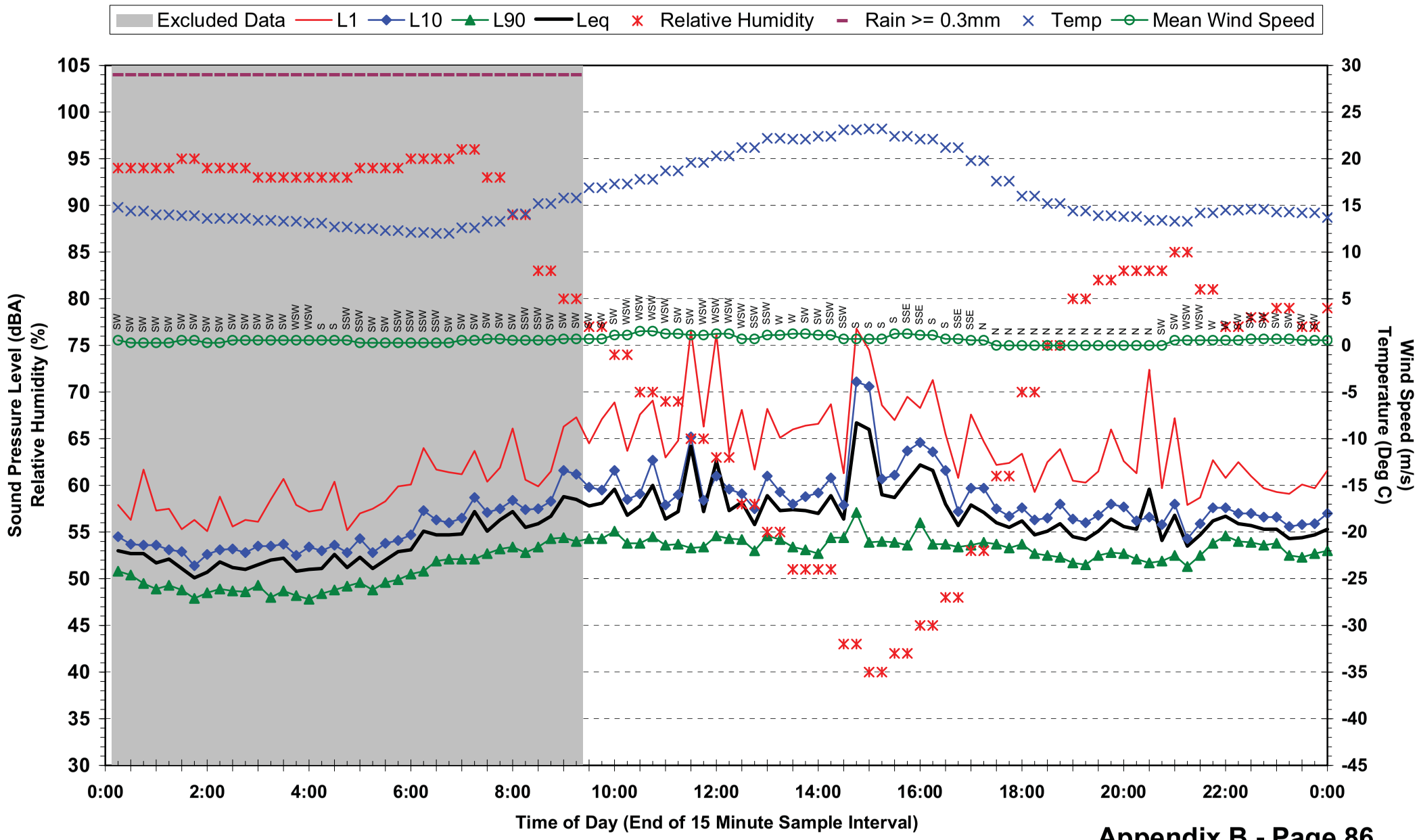
Statistical Ambient Noise Levels
Location 9 - 58 Leopard St - Thursday 20 May 2010



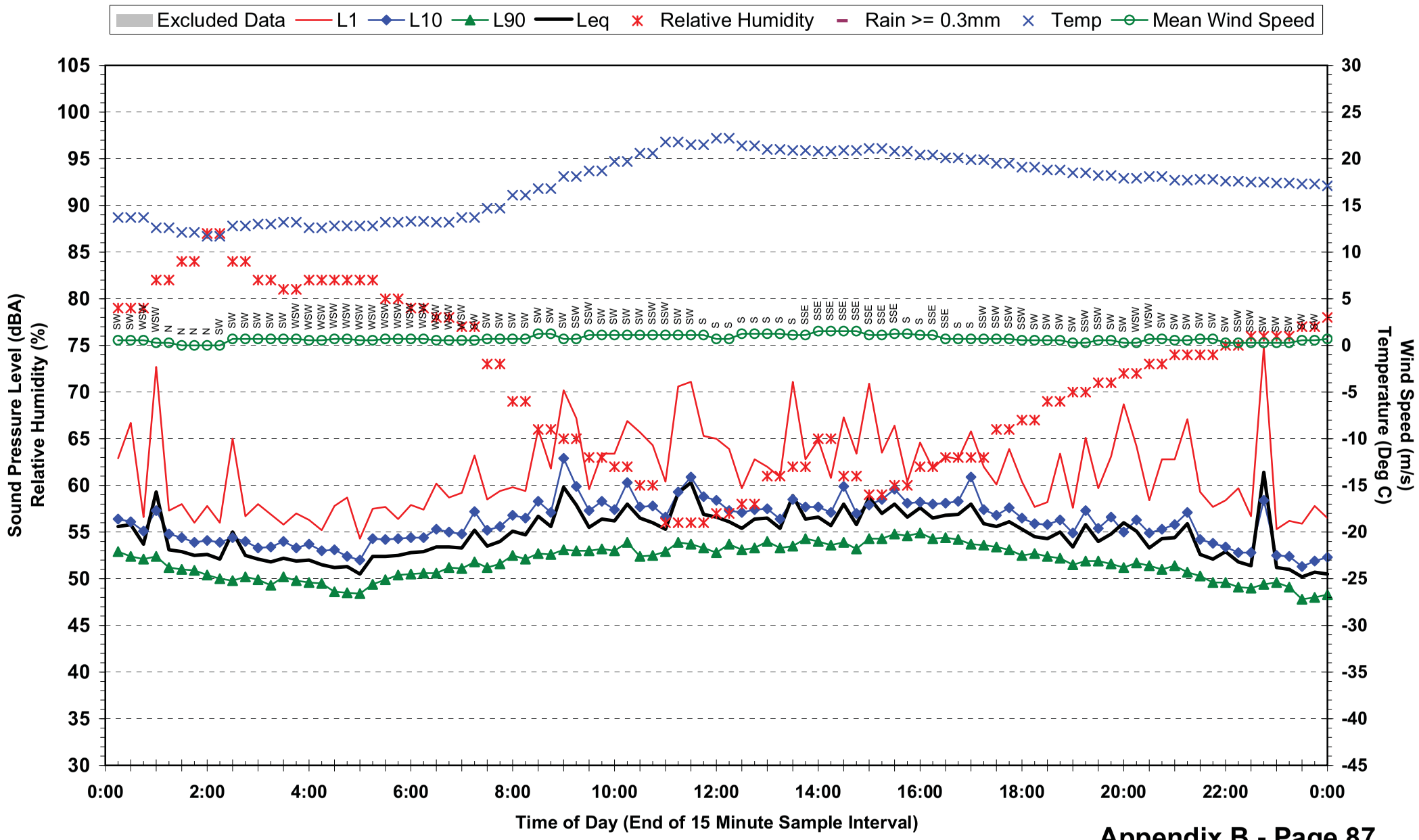
Statistical Ambient Noise Levels
Location 9 - 58 Leopard St - Friday 21 May 2010



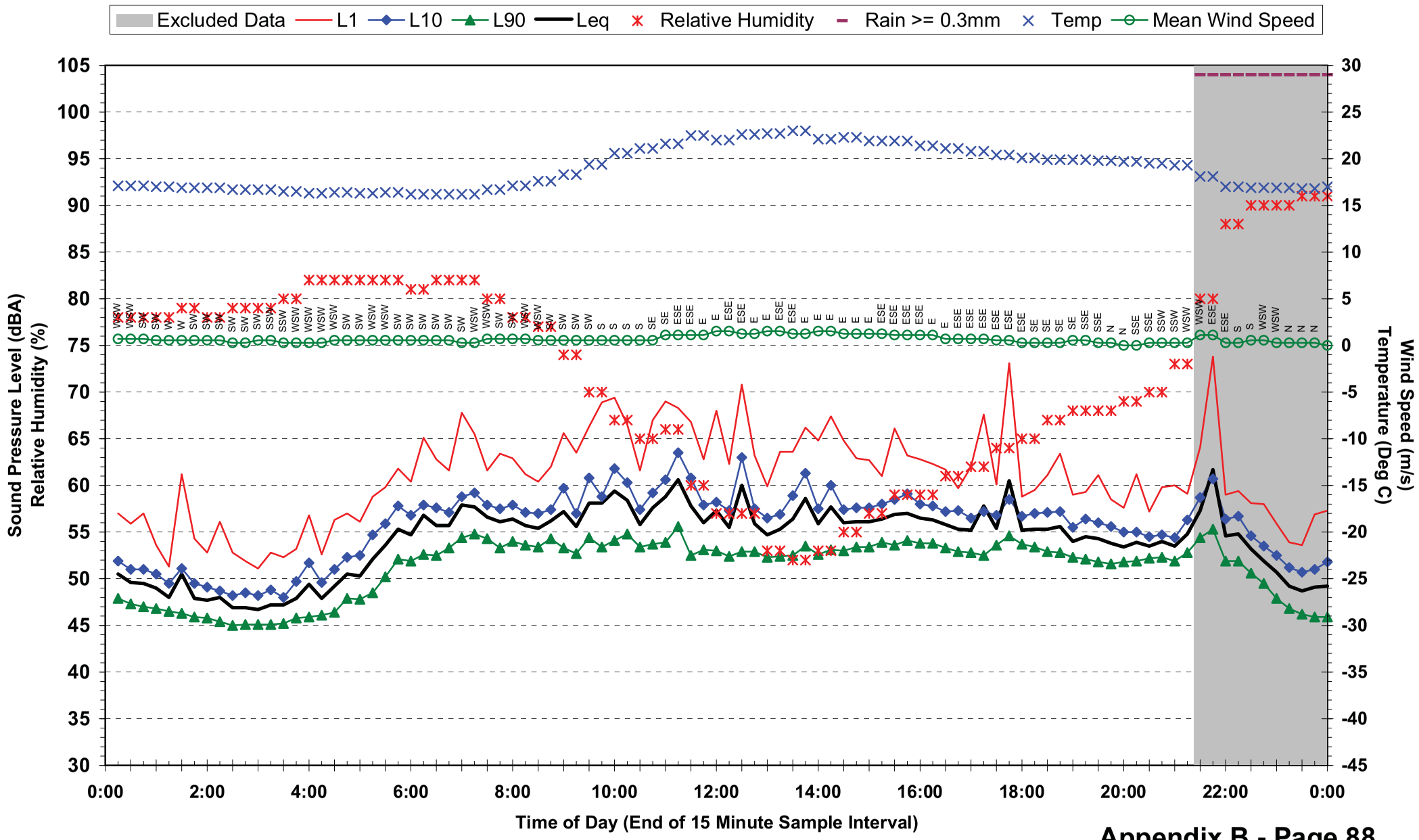
Statistical Ambient Noise Levels
Location 9 - 58 Leopard St - Saturday 22 May 2010



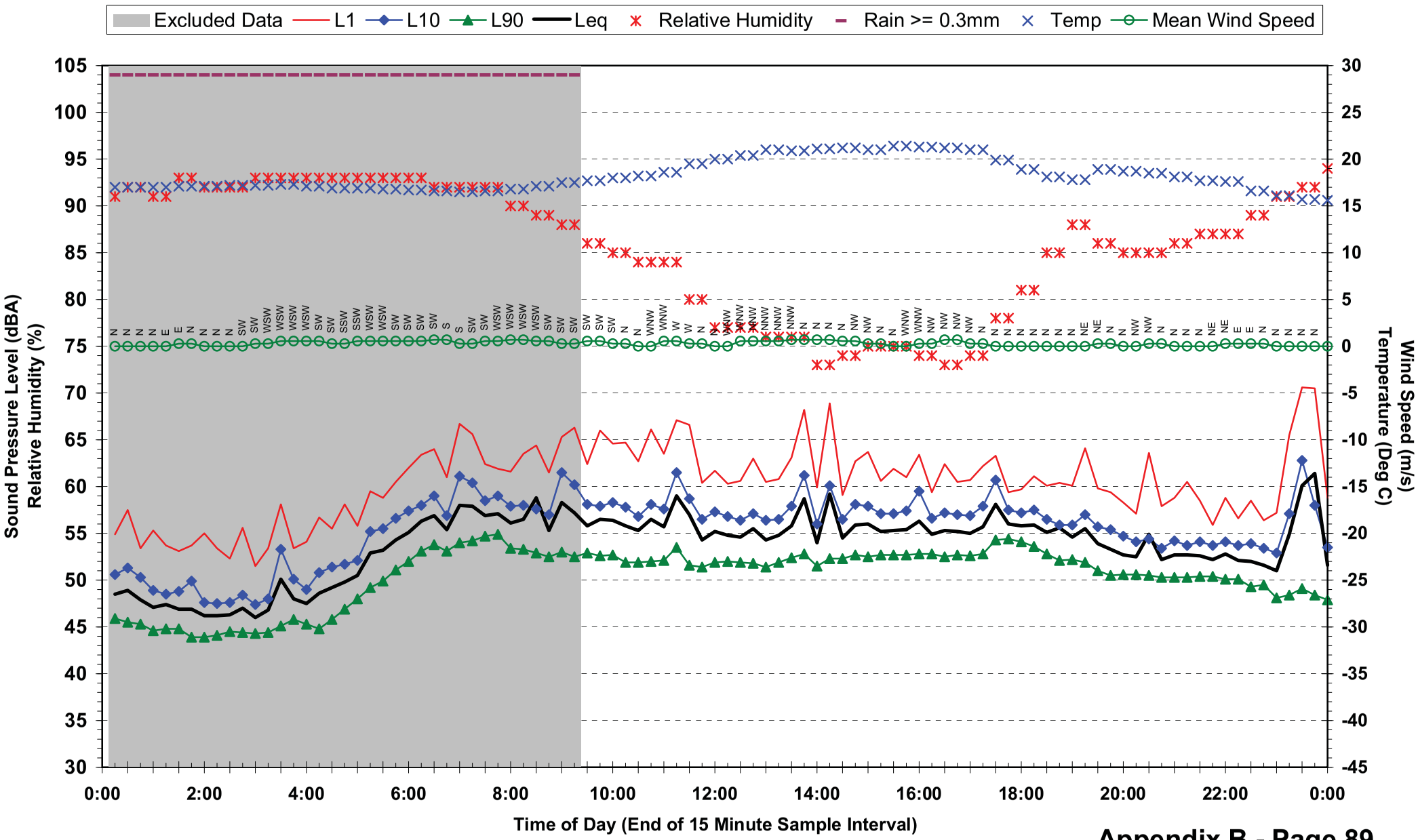
Statistical Ambient Noise Levels
Location 9 - 58 Leopard St - Sunday 23 May 2010



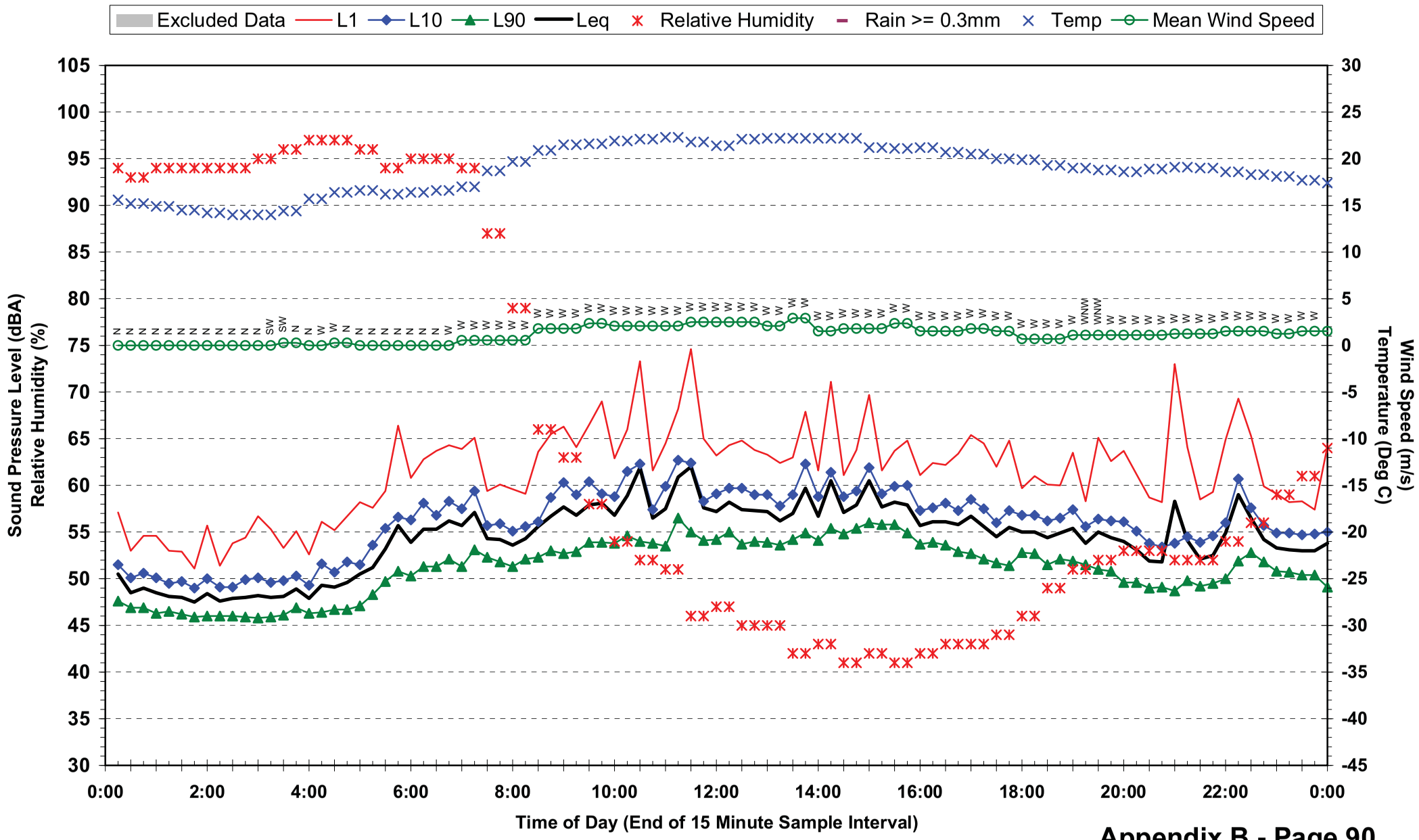
Statistical Ambient Noise Levels
Location 9 - 58 Leopard St - Monday 24 May 2010



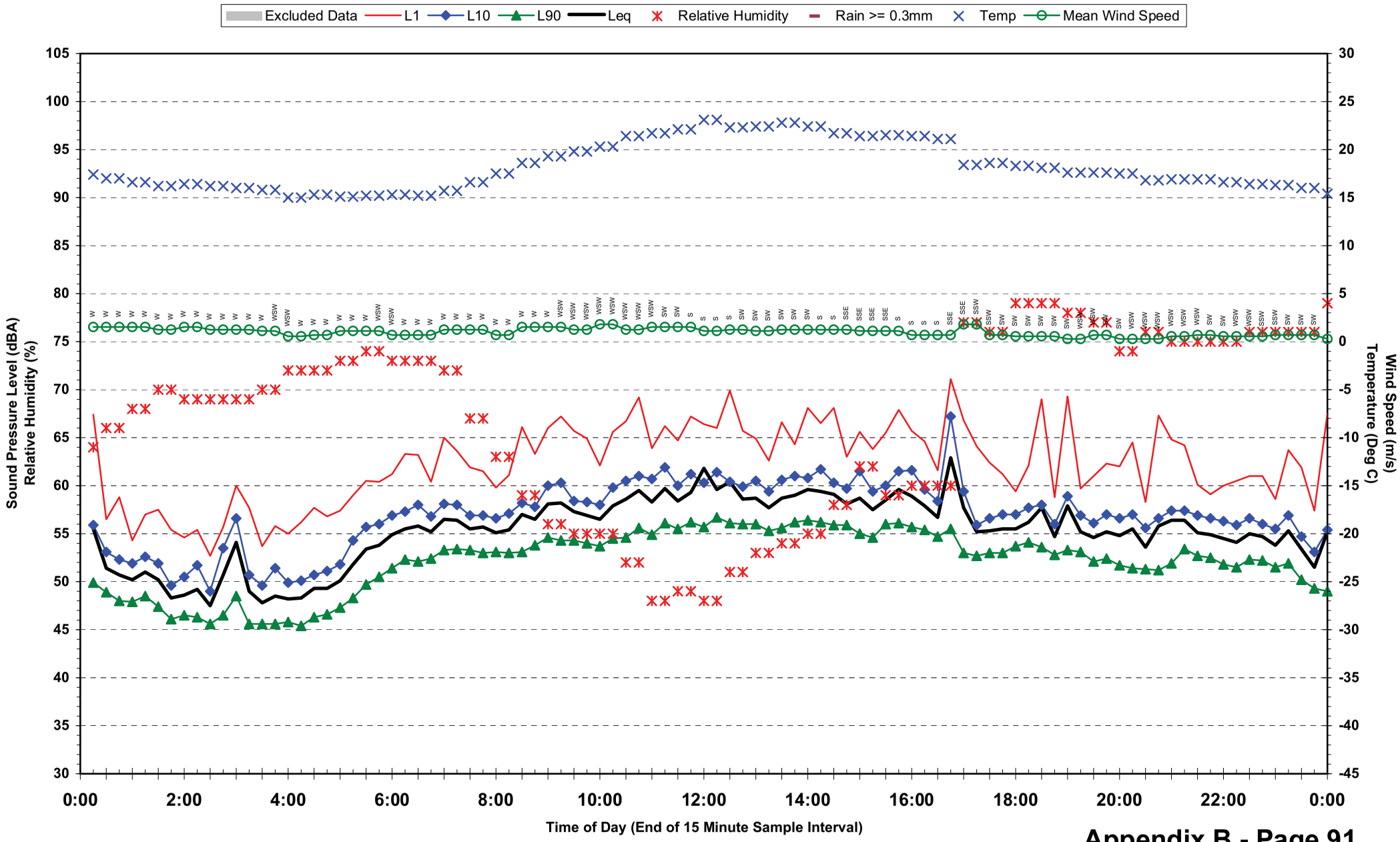
Statistical Ambient Noise Levels
Location 9 - 58 Leopard St - Tuesday 25 May 2010



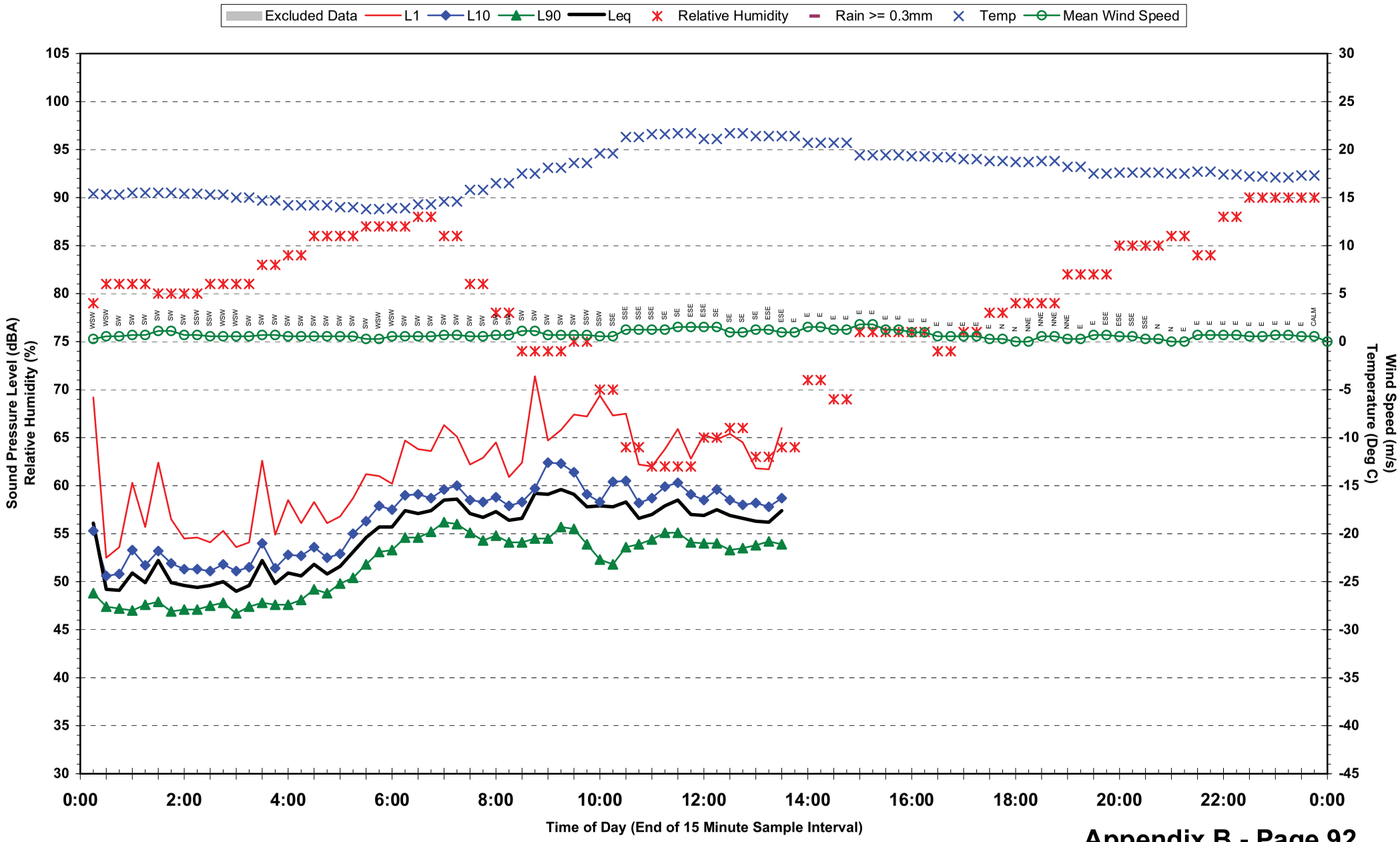
Statistical Ambient Noise Levels
Location 9 - 58 Leopard St - Wednesday 26 May 2010



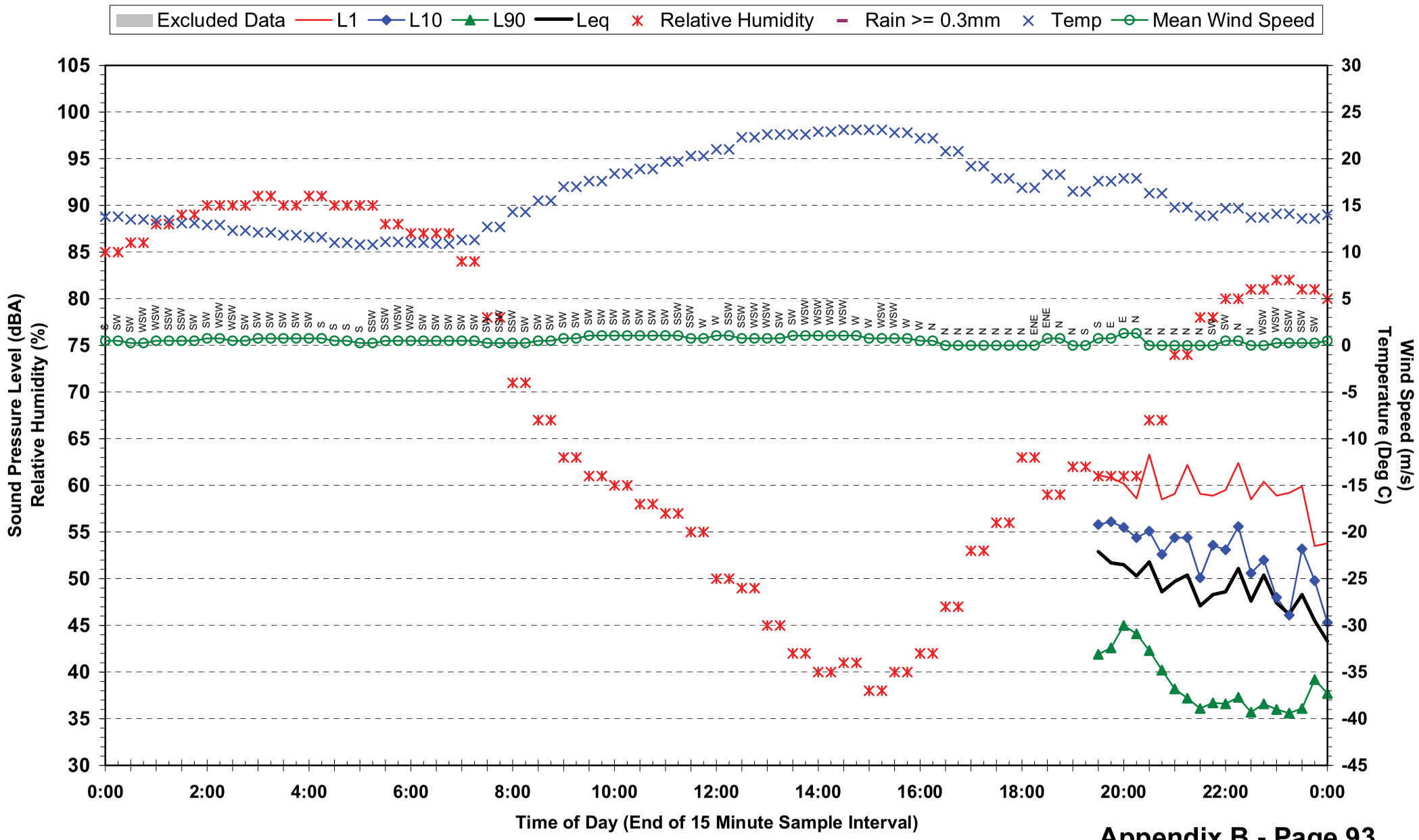
Statistical Ambient Noise Levels
Location 9 - 58 Leopard St - Thursday 27 May 2010



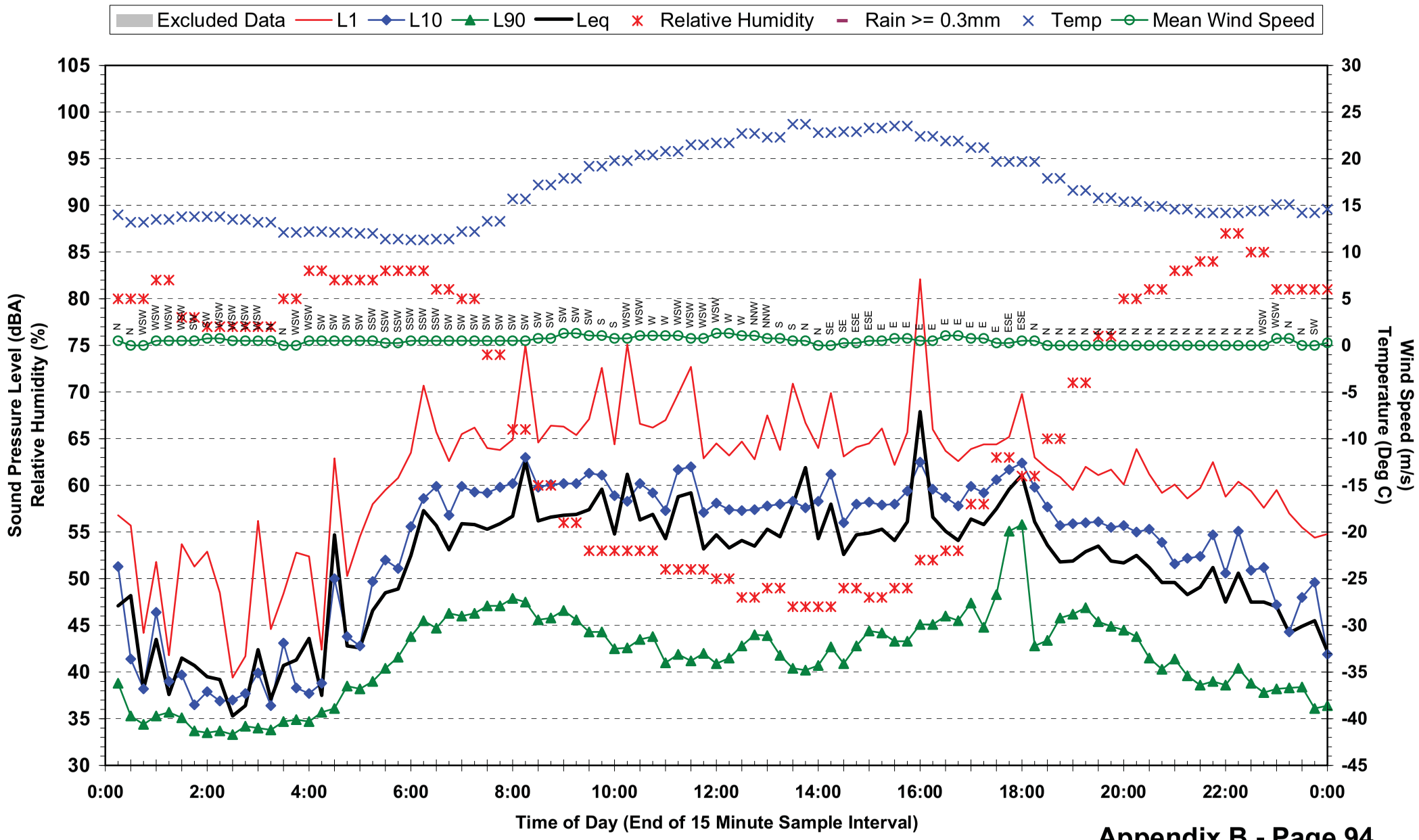
Statistical Ambient Noise Levels
Location 9 - 58 Leopard St - Friday 28 May 2010



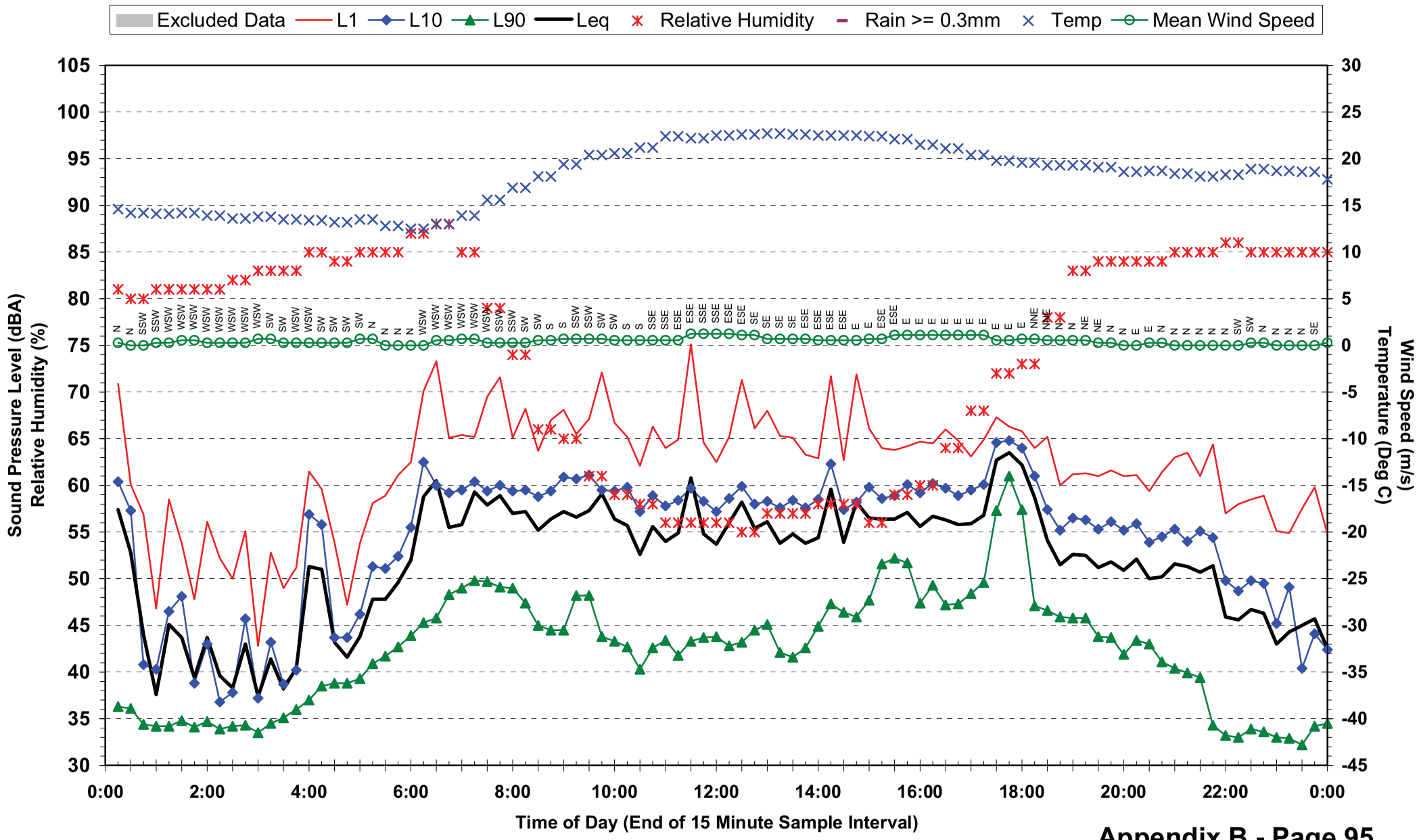
Statistical Ambient Noise Levels
Location 10 - 143 Park Rd - Tuesday 18 May 2010



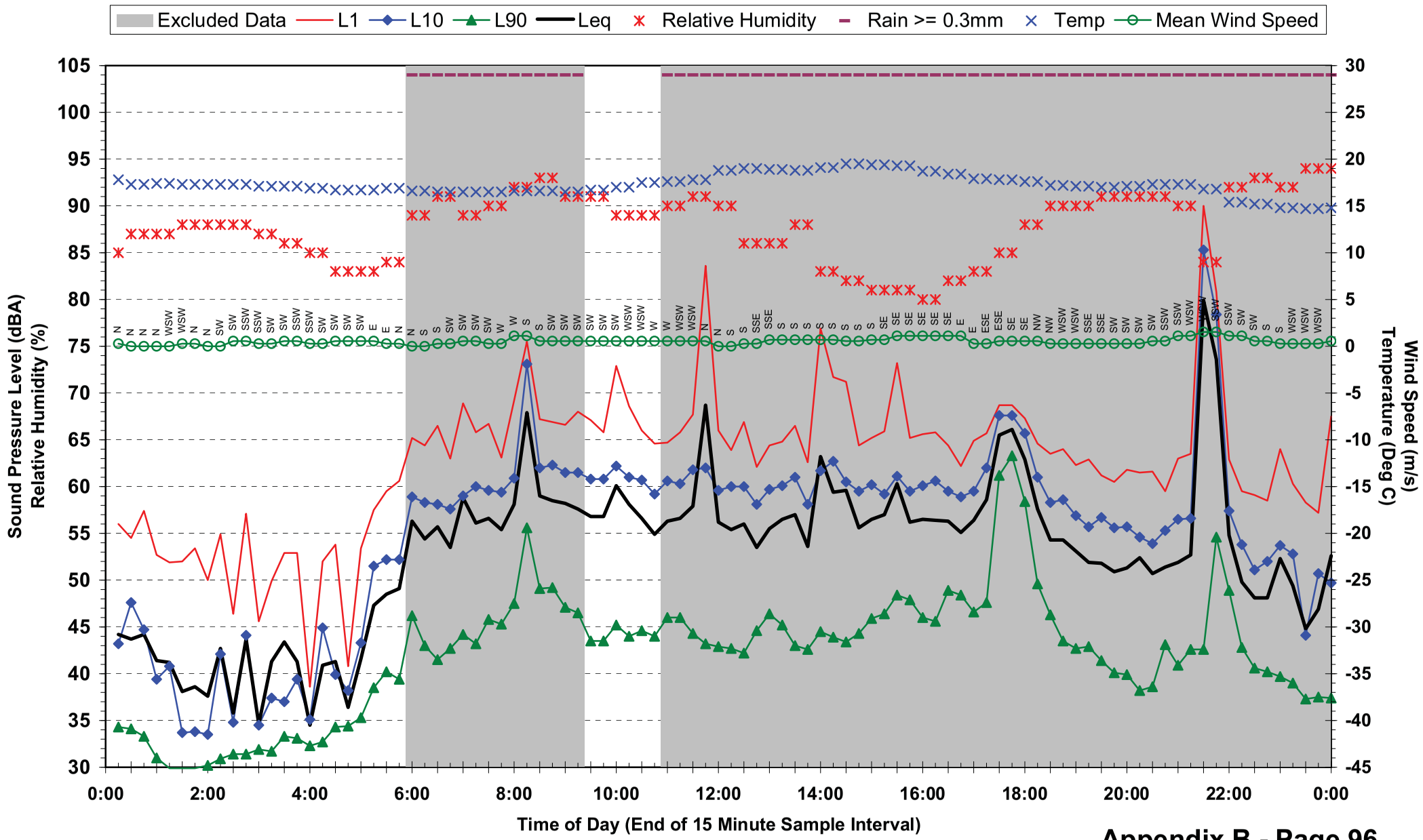
Statistical Ambient Noise Levels
Location 10 - 143 Park Rd - Wednesday 19 May 2010



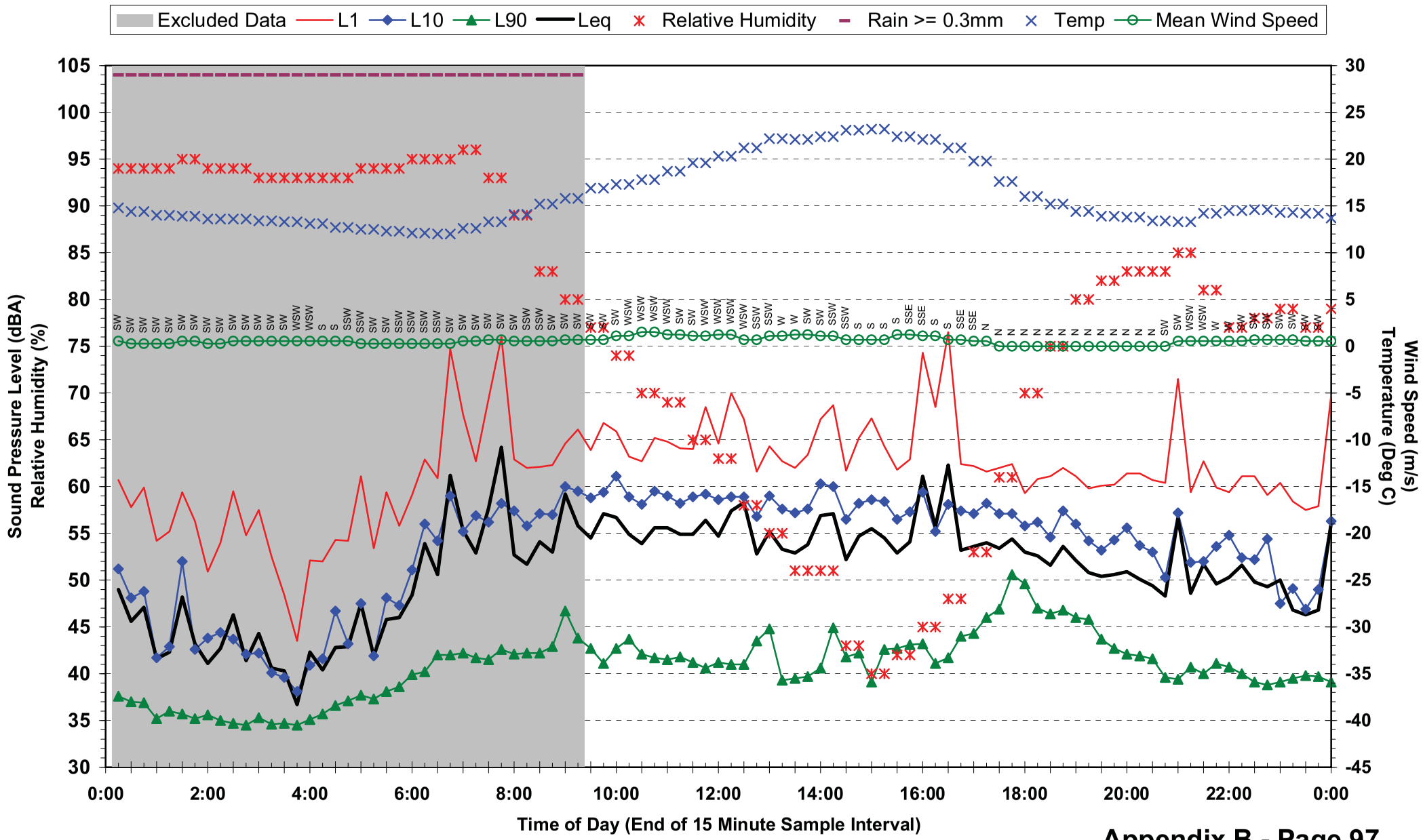
Statistical Ambient Noise Levels
Location 10 - 143 Park Rd - Thursday 20 May 2010



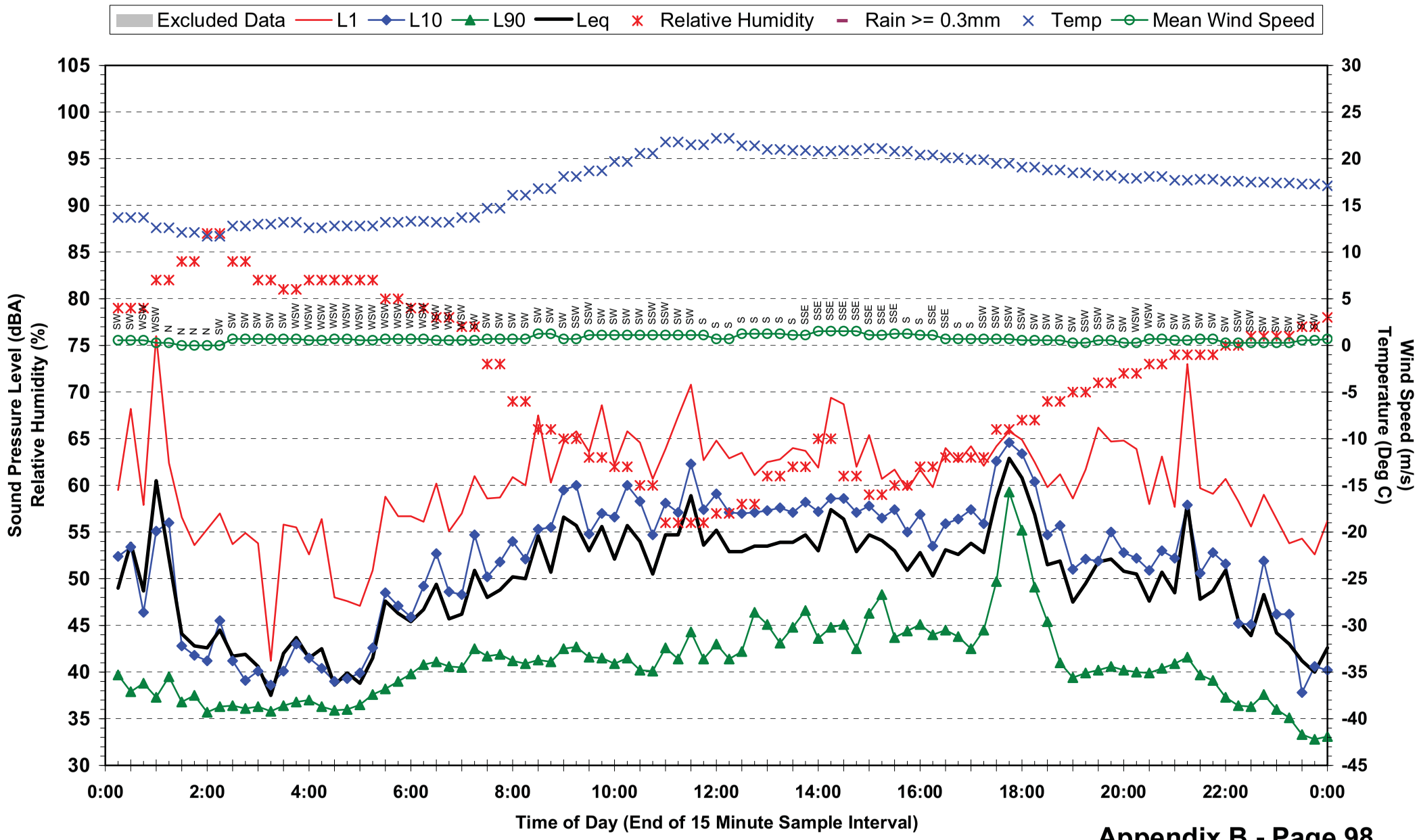
Statistical Ambient Noise Levels
Location 10 - 143 Park Rd - Friday 21 May 2010



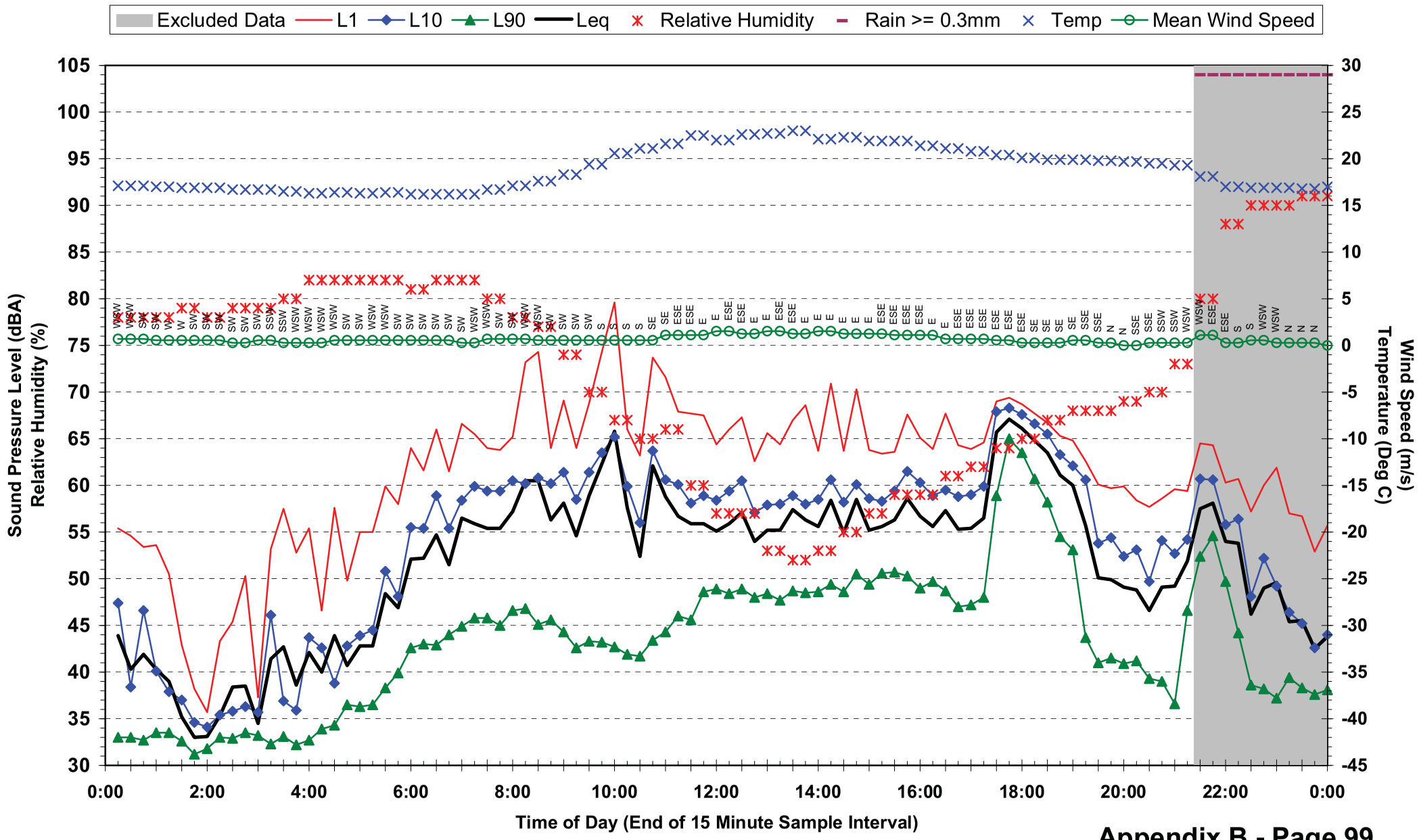
Statistical Ambient Noise Levels
Location 10 - 143 Park Rd - Saturday 22 May 2010



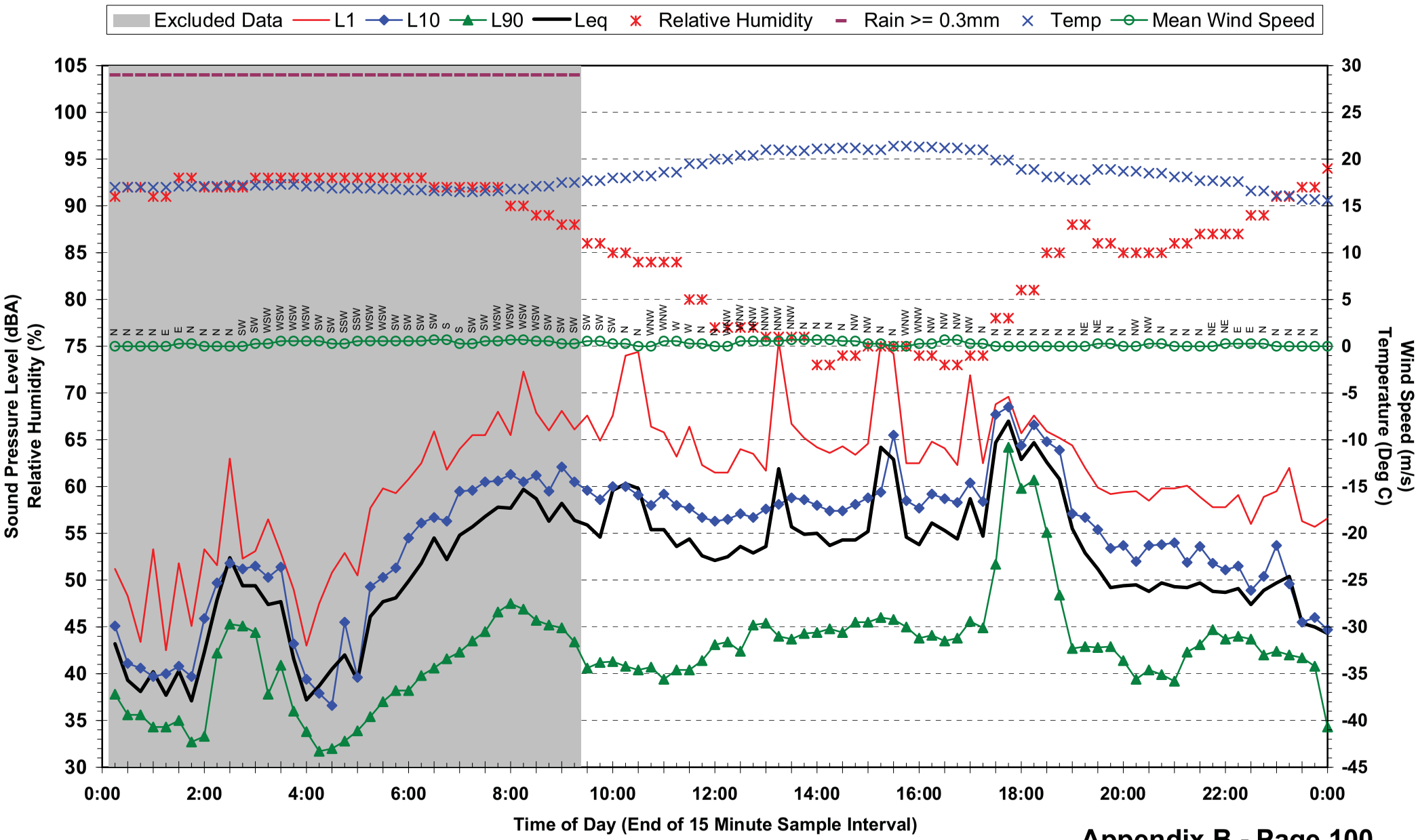
Statistical Ambient Noise Levels
Location 10 - 143 Park Rd - Sunday 23 May 2010



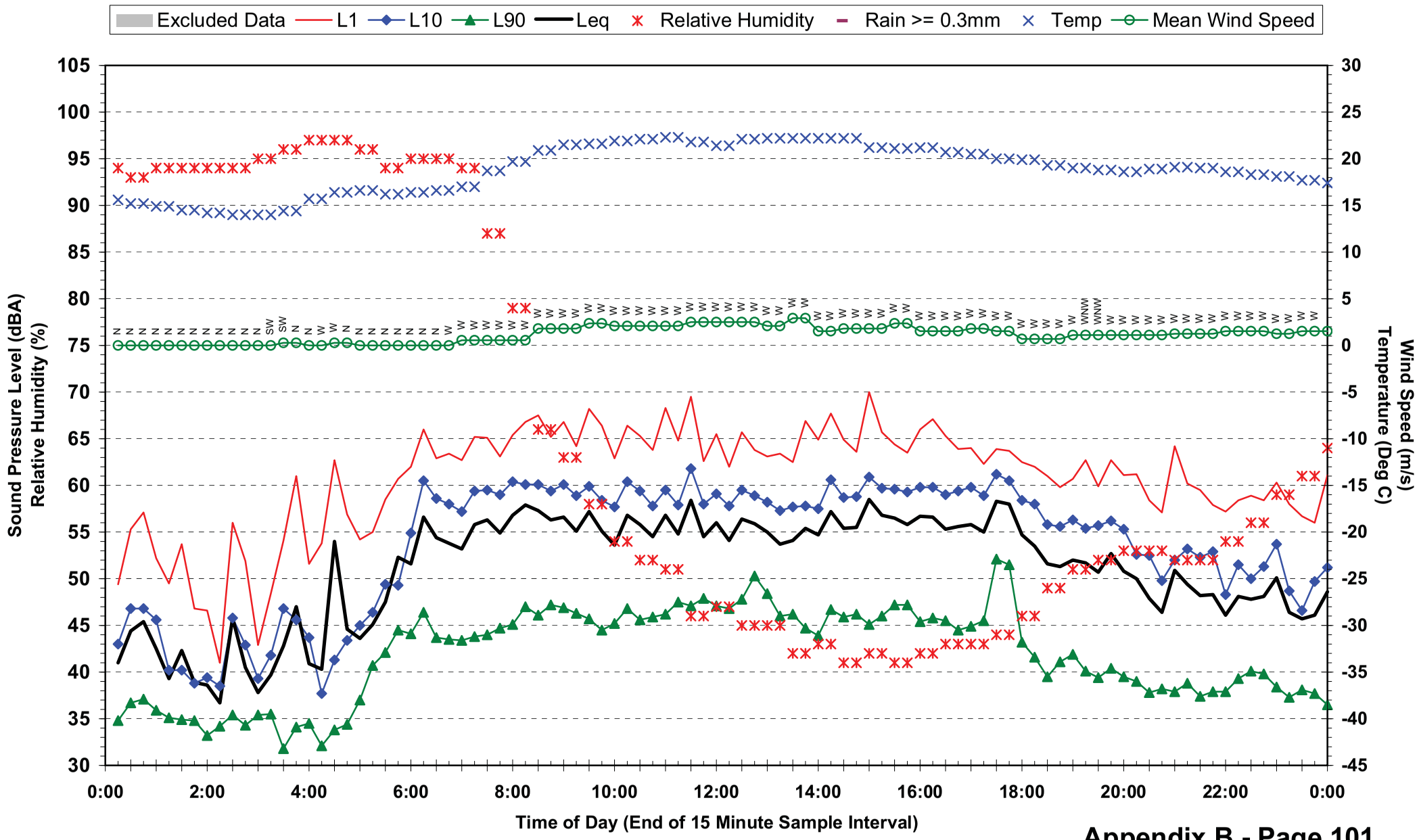
Statistical Ambient Noise Levels
Location 10 - 143 Park Rd - Monday 24 May 2010



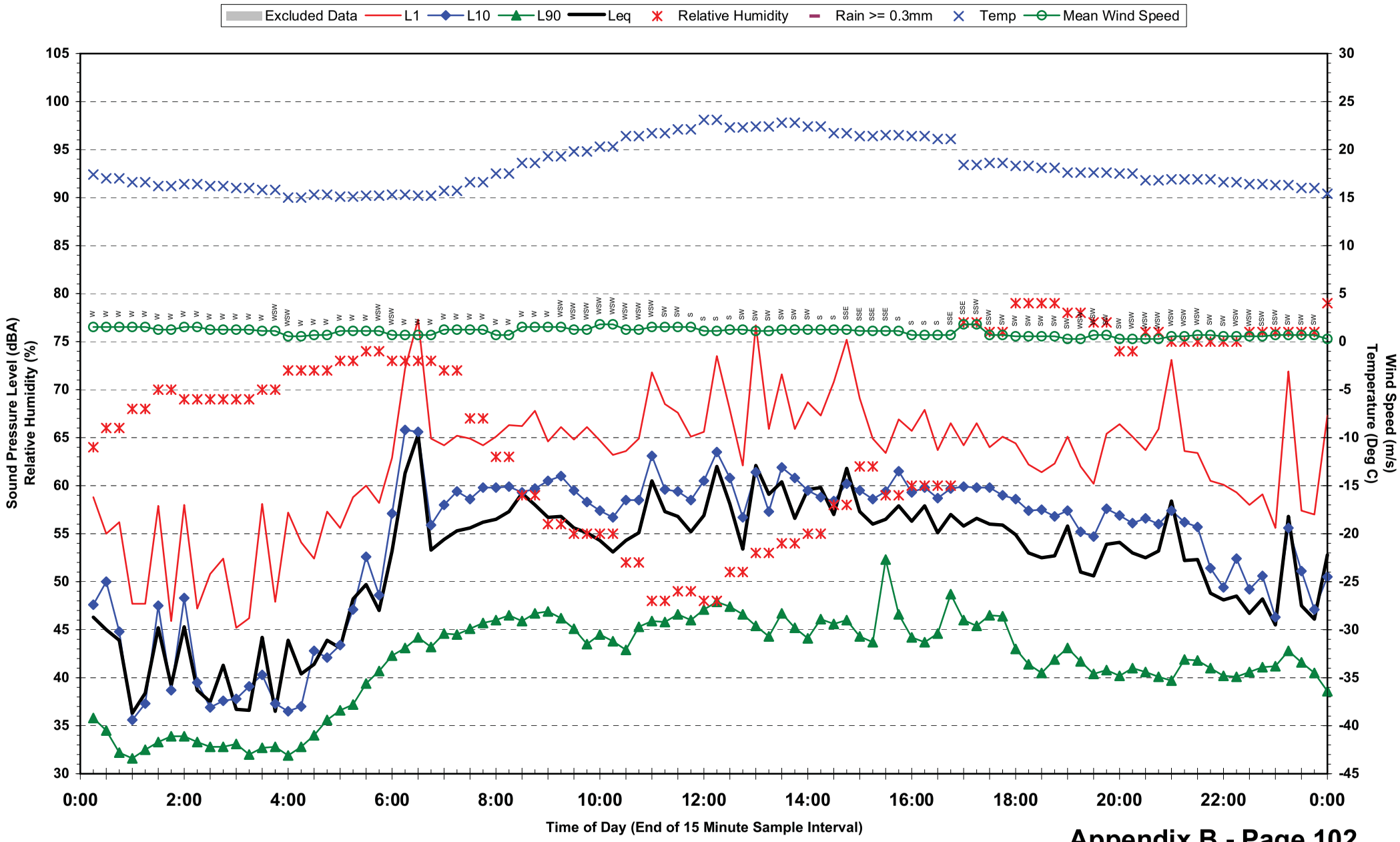
Statistical Ambient Noise Levels
Location 10 - 143 Park Rd - Tuesday 25 May 2010



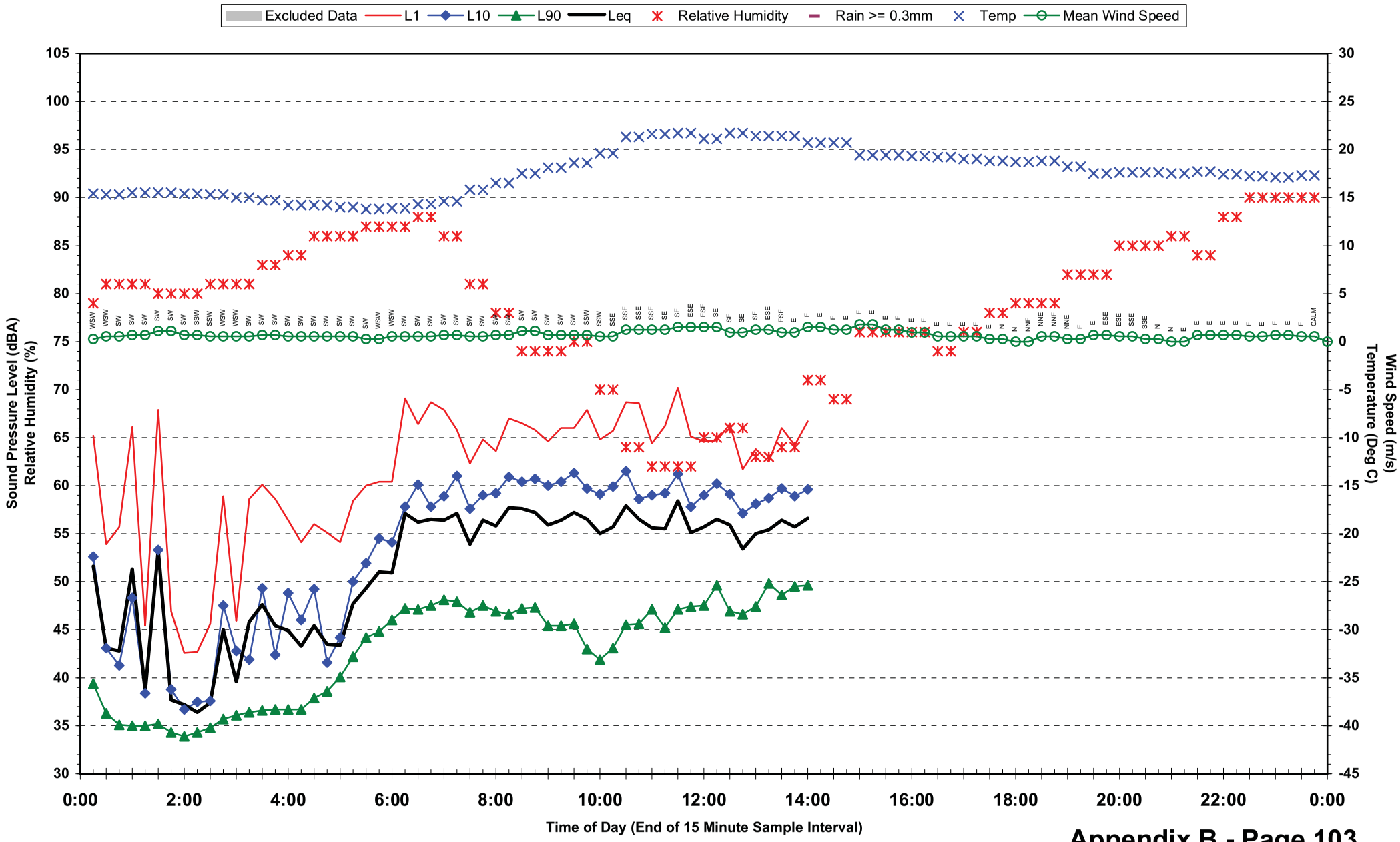
Statistical Ambient Noise Levels
Location 10 - 143 Park Rd - Wednesday 26 May 2010



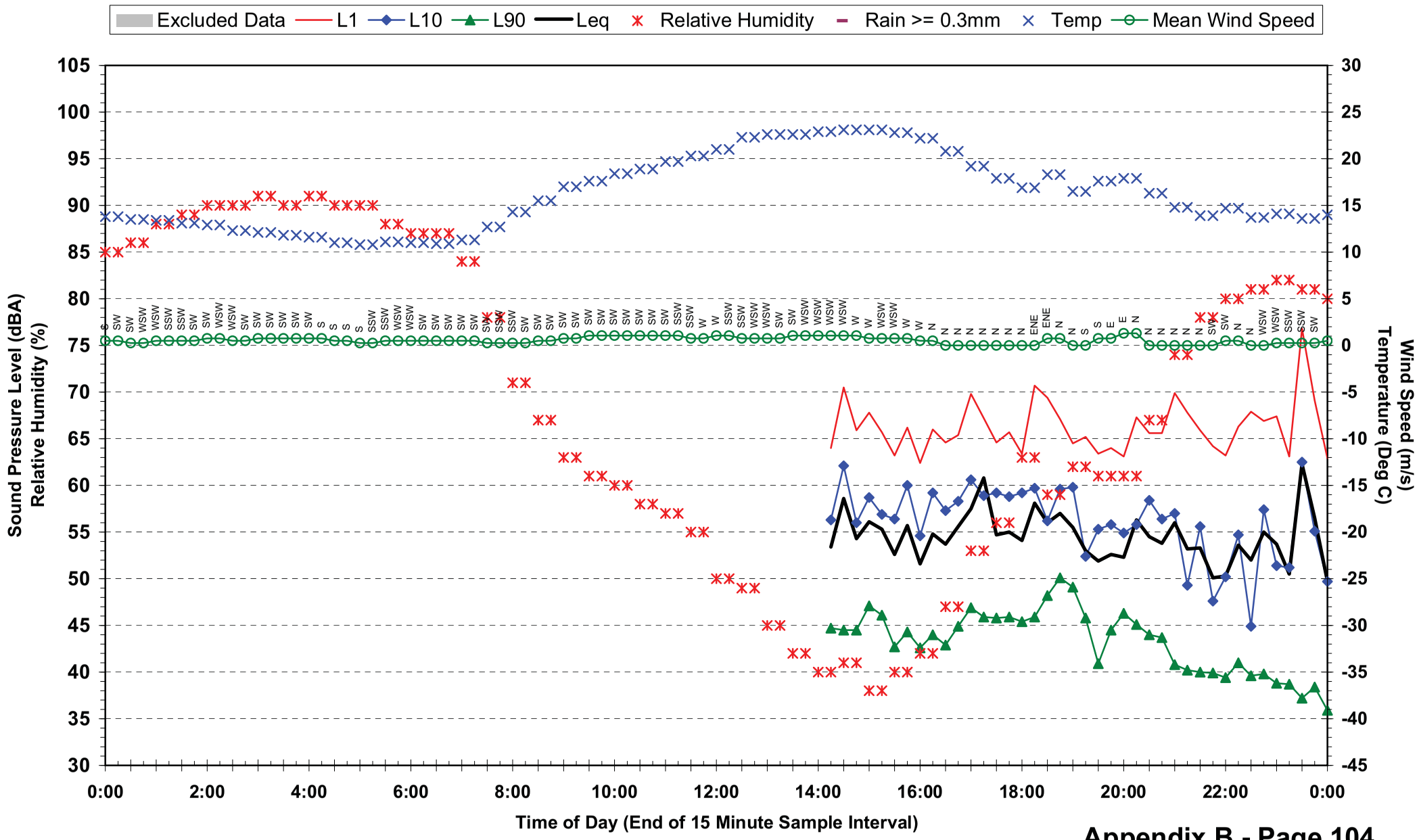
Statistical Ambient Noise Levels
Location 10 - 143 Park Rd - Thursday 27 May 2010



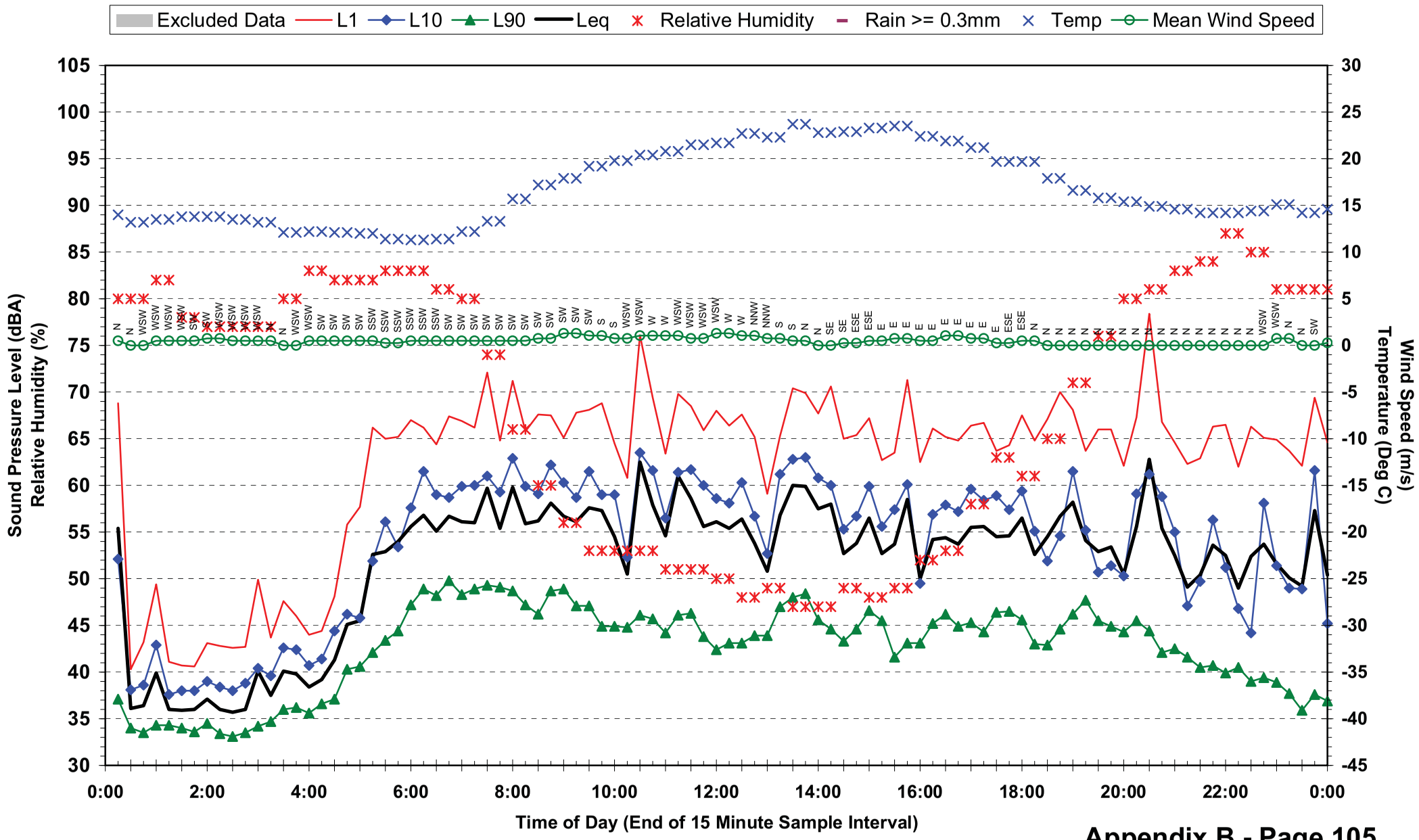
Statistical Ambient Noise Levels
Location 10 - 143 Park Rd - Friday 28 May 2010



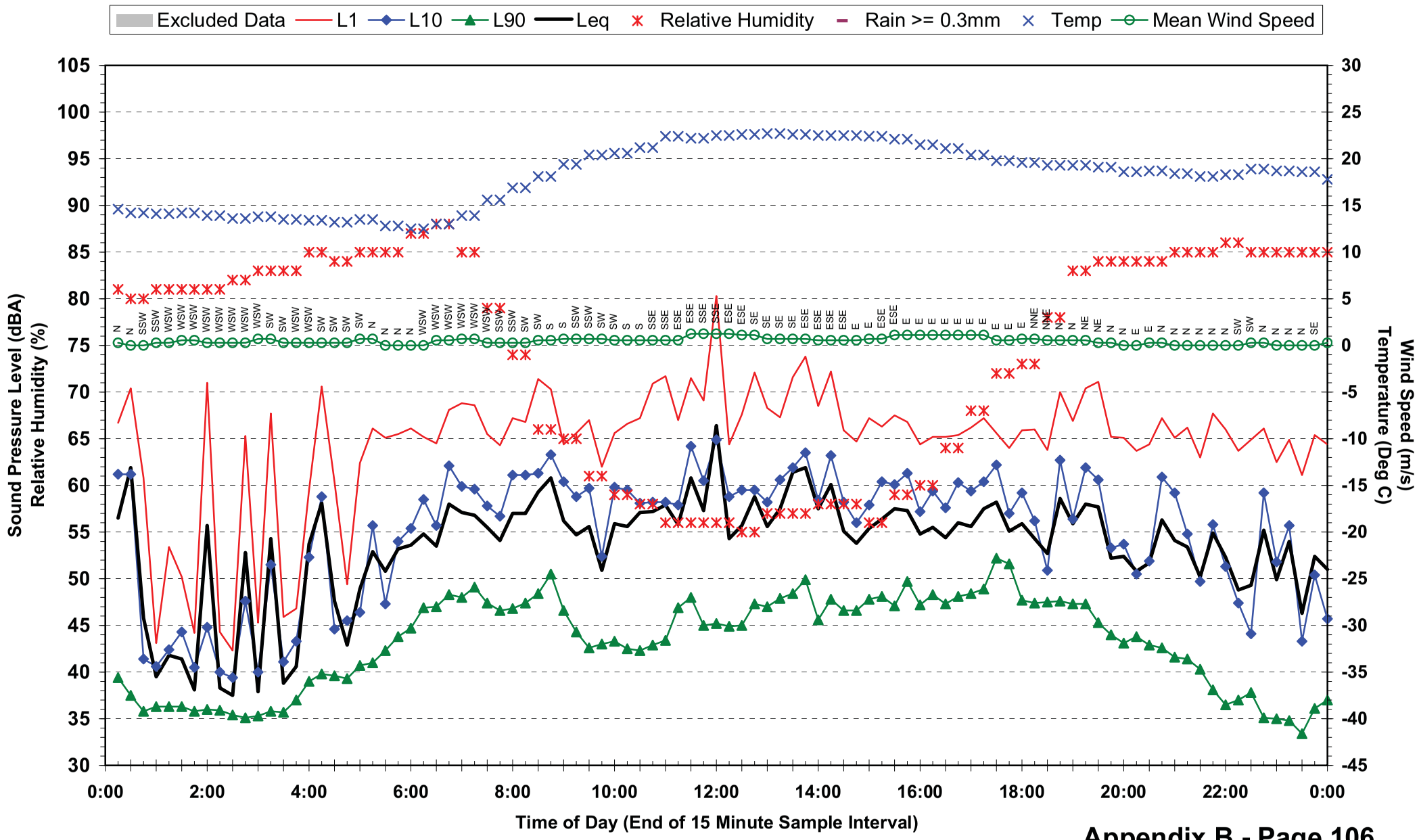
Statistical Ambient Noise Levels
Location 11 - Dutton Park State School - Tuesday 18 May 2010



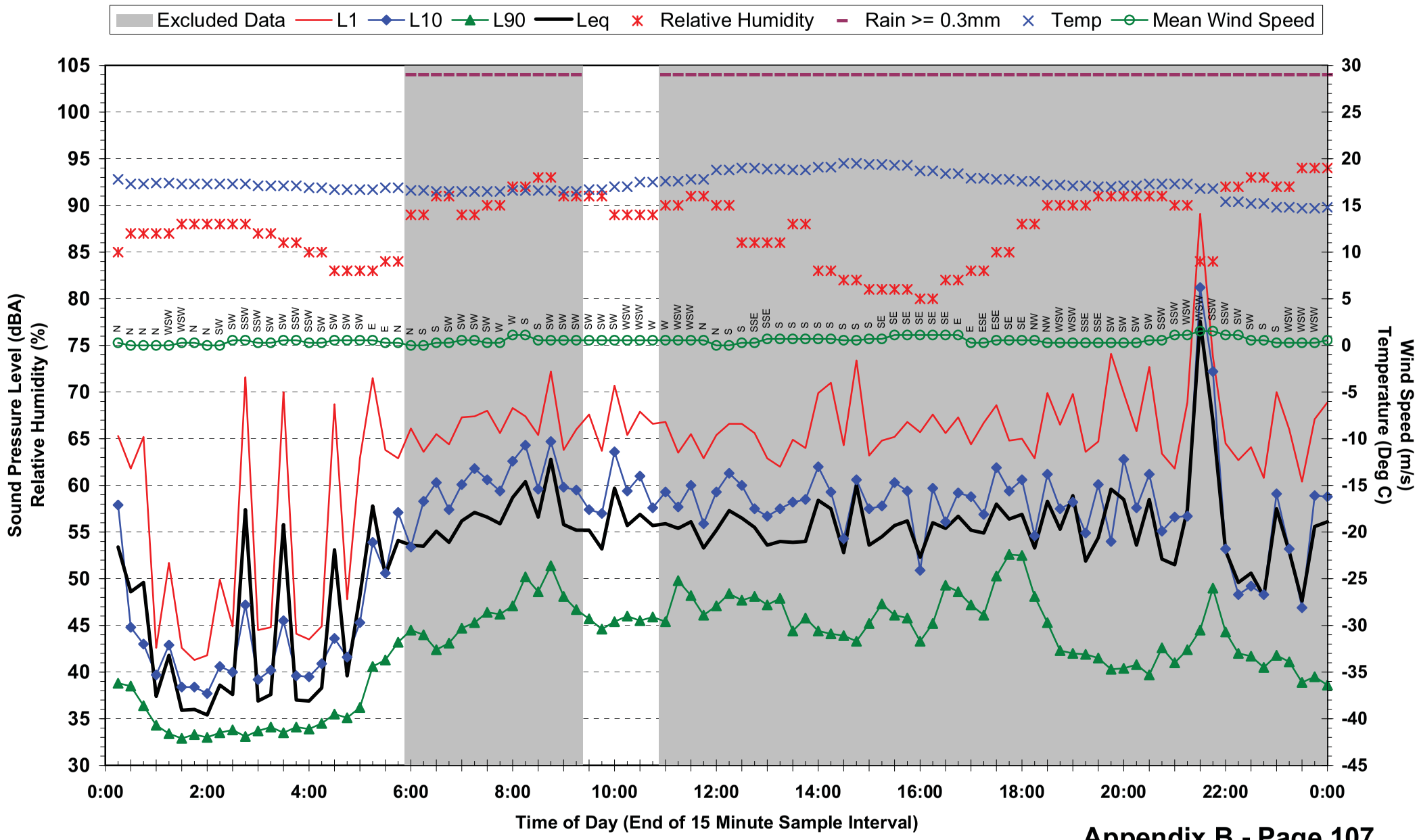
Statistical Ambient Noise Levels
Location 11 - Dutton Park State School - Wednesday 19 May 2010



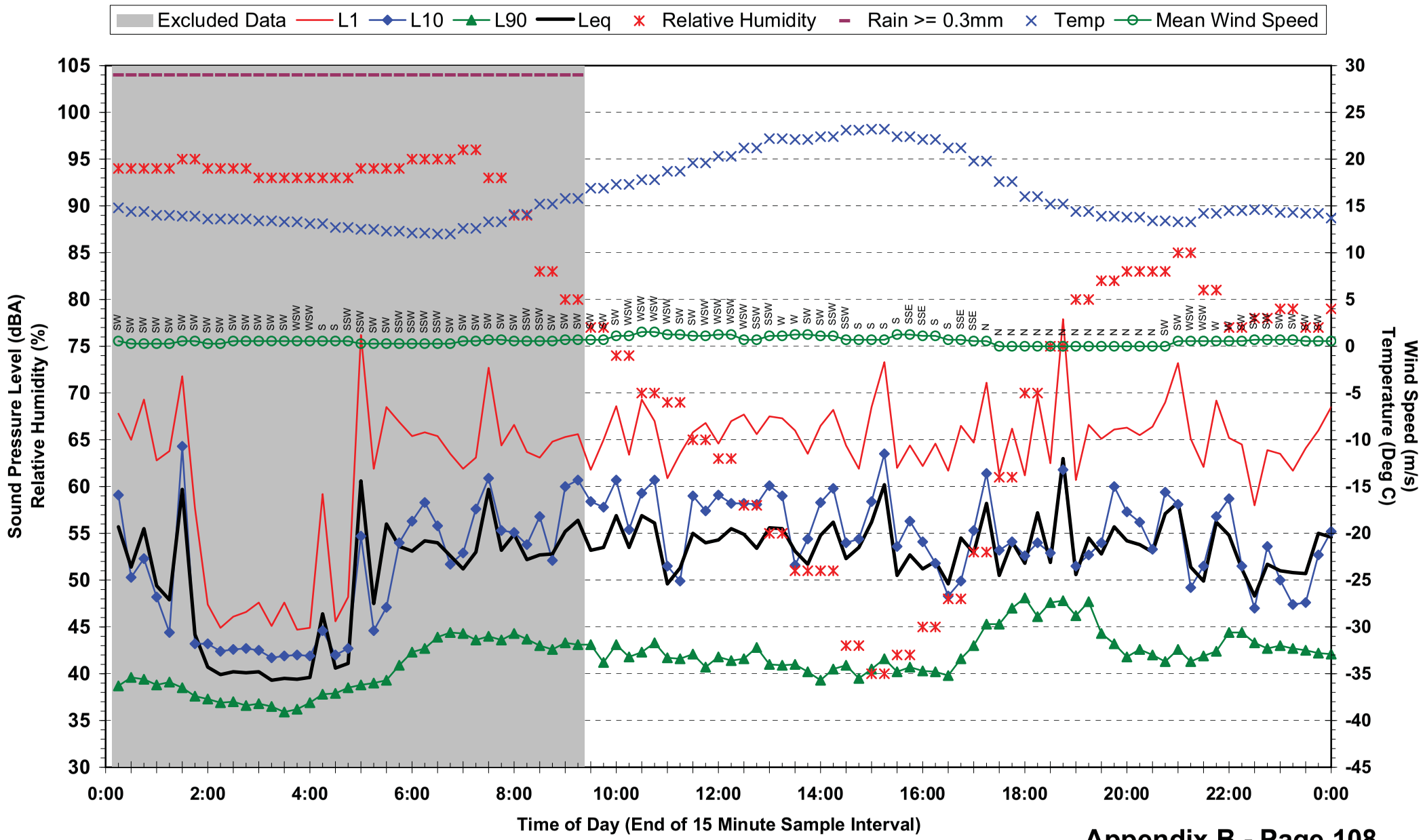
Statistical Ambient Noise Levels
Location 11 - Dutton Park State School - Thursday 20 May 2010



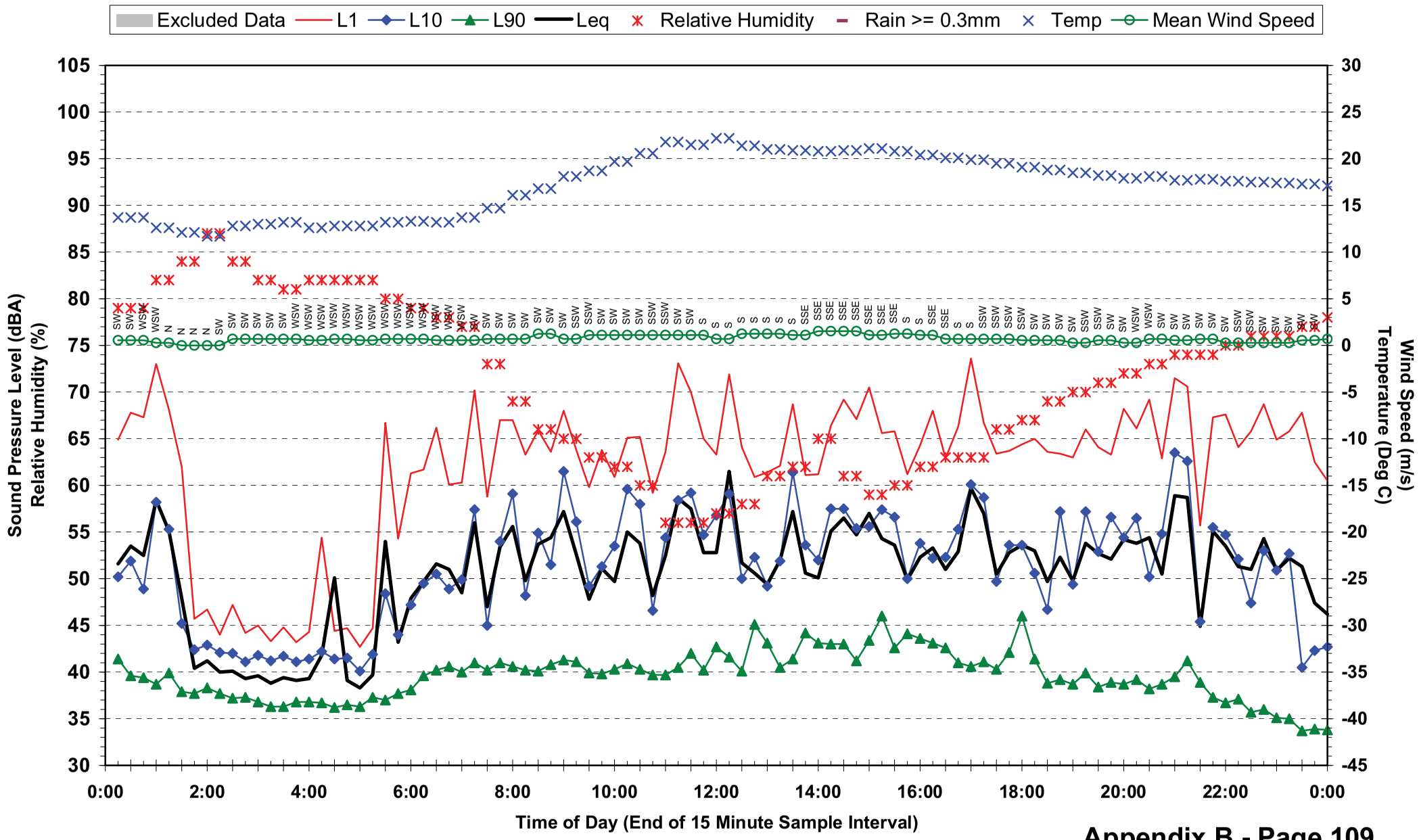
Statistical Ambient Noise Levels
Location 11 - Dutton Park State School - Friday 21 May 2010



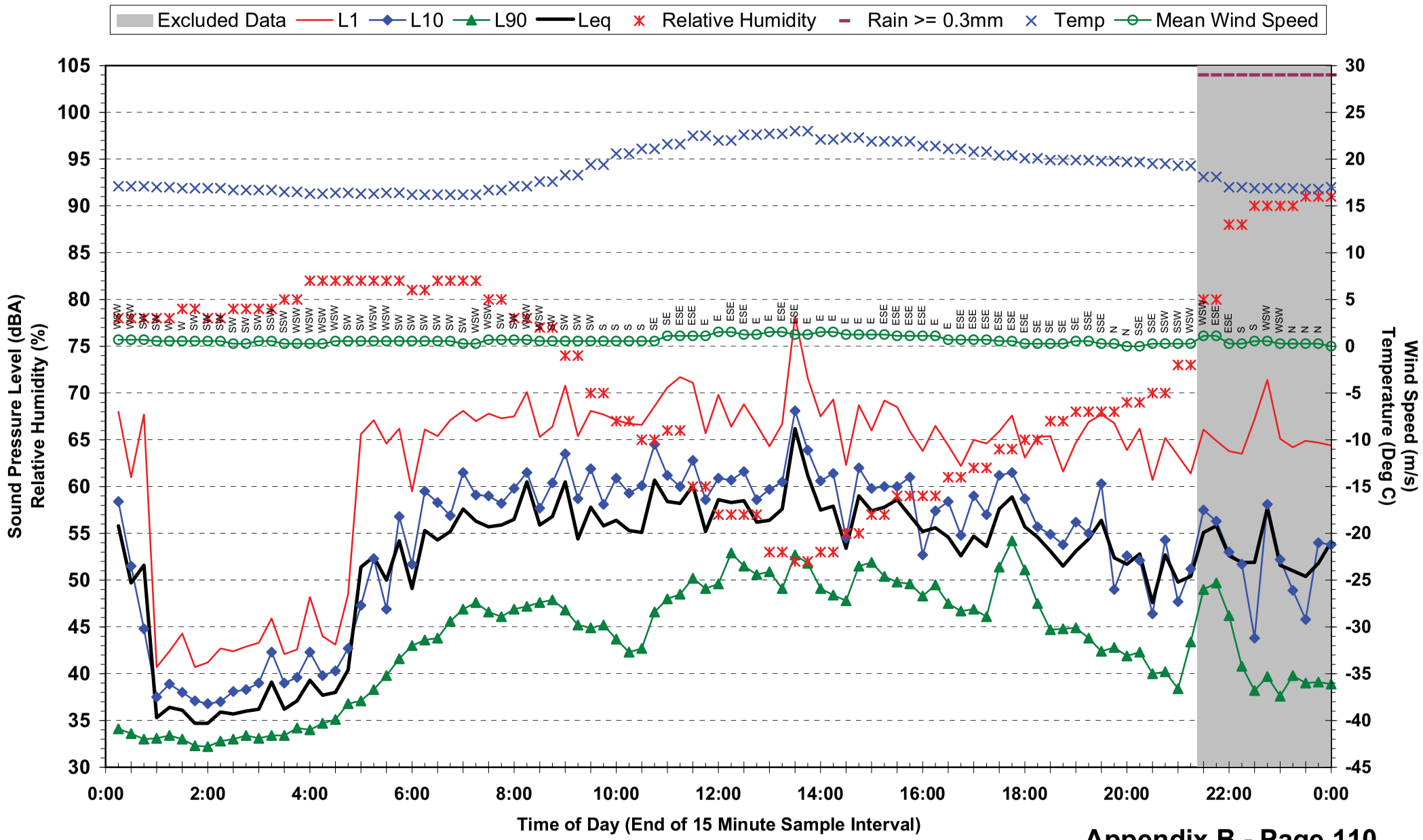
Statistical Ambient Noise Levels
Location 11 - Dutton Park State School - Saturday 22 May 2010



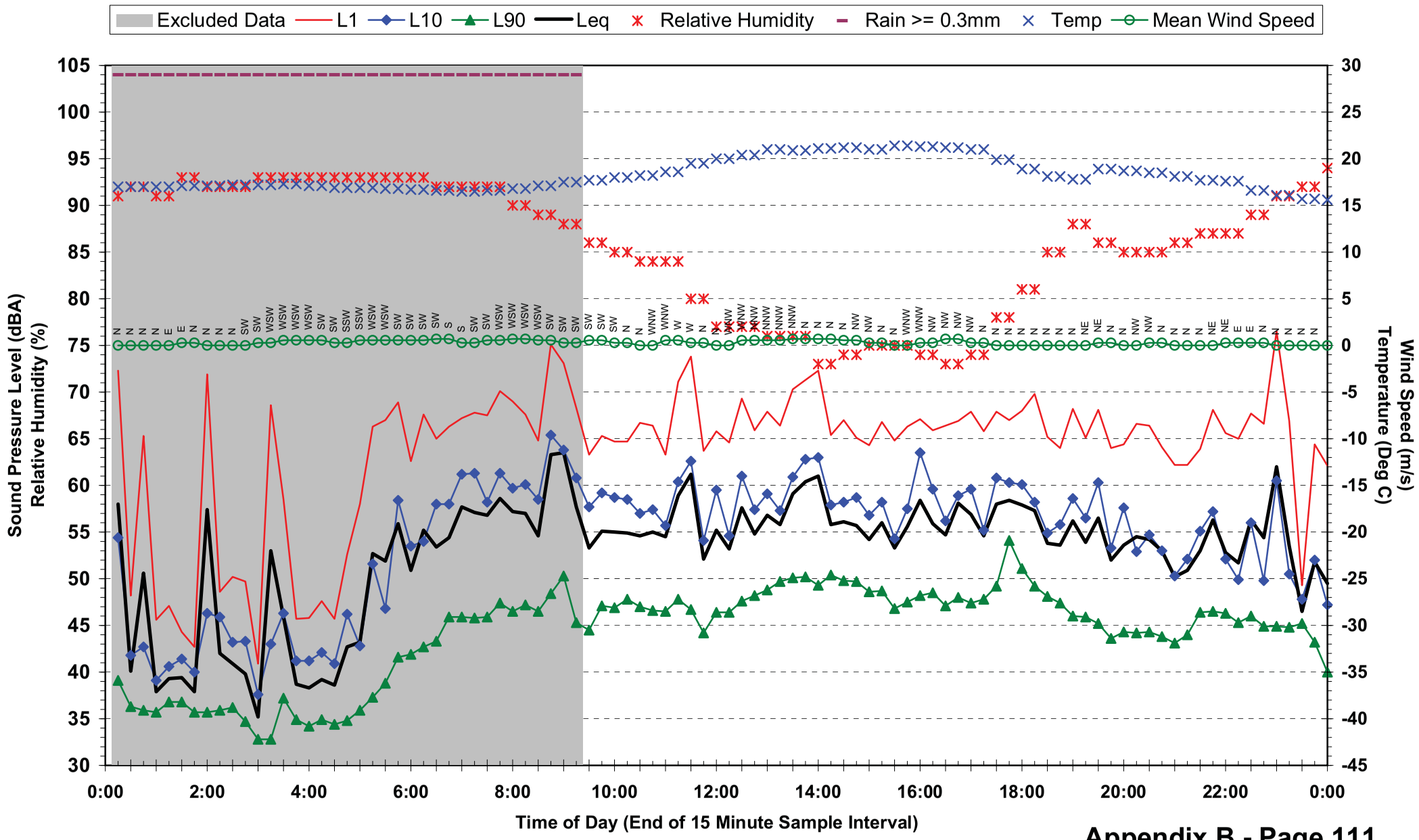
Statistical Ambient Noise Levels
Location 11 - Dutton Park State School - Sunday 23 May 2010



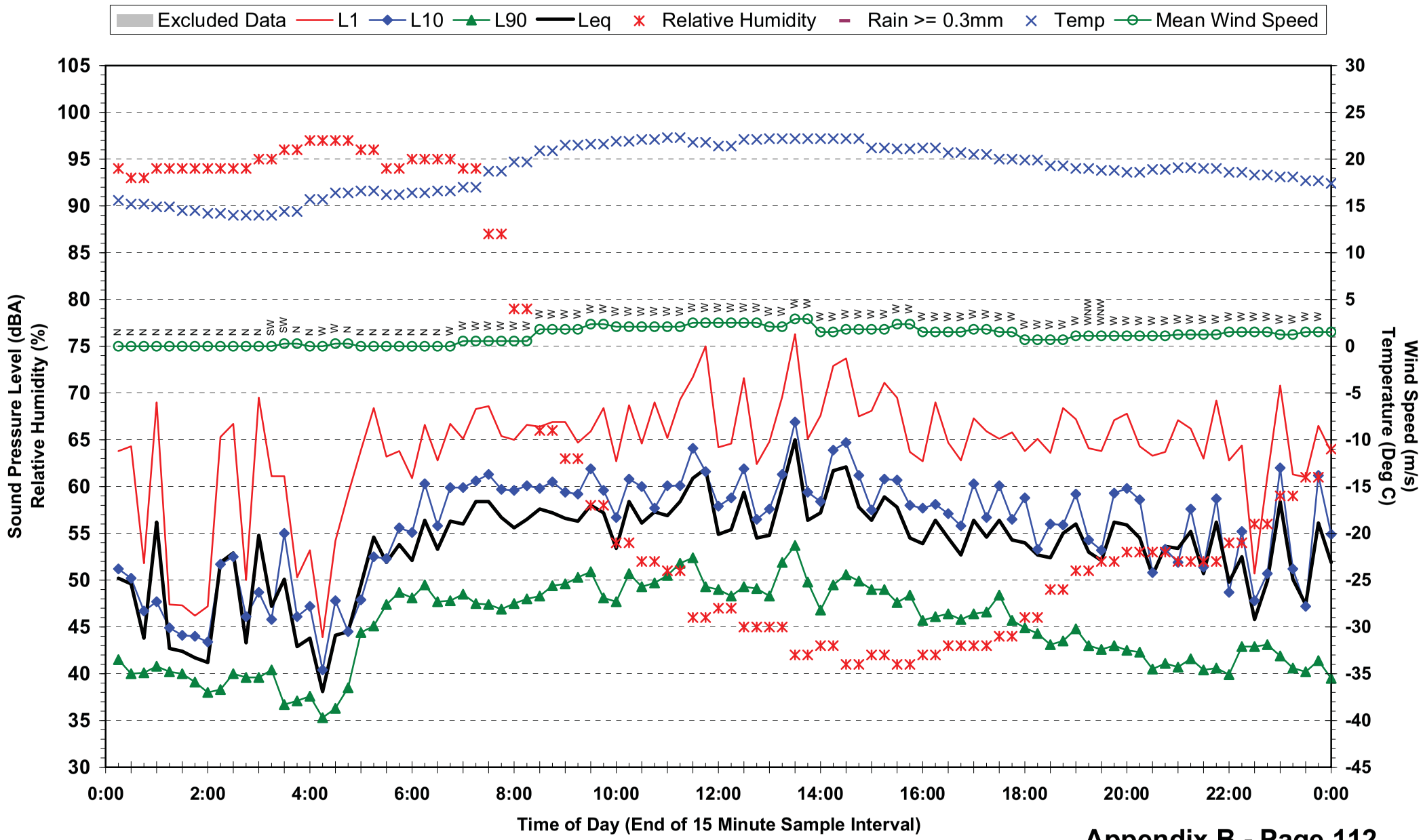
Statistical Ambient Noise Levels
Location 11 - Dutton Park State School - Monday 24 May 2010



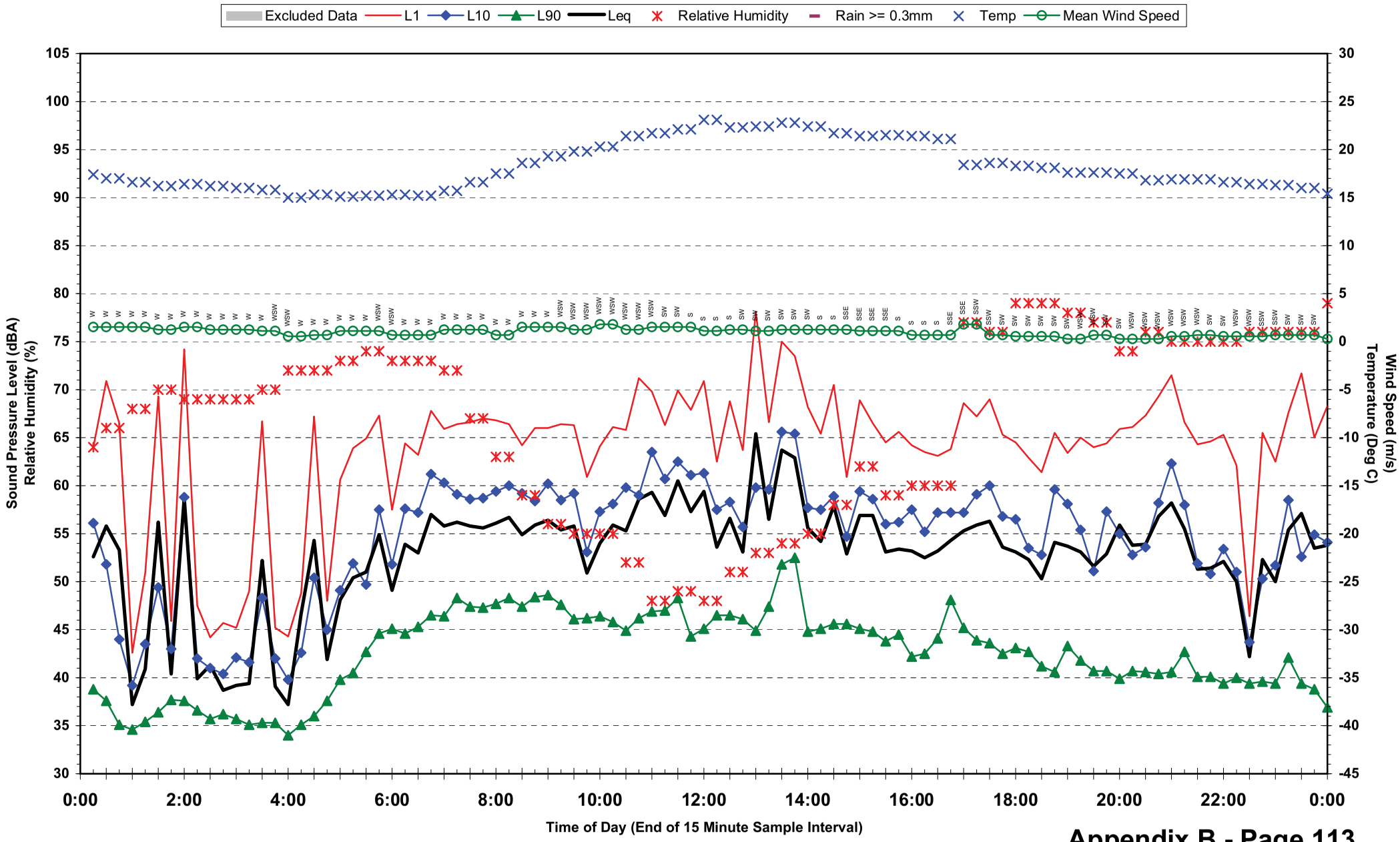
Statistical Ambient Noise Levels
Location 11 - Dutton Park State School - Tuesday 25 May 2010



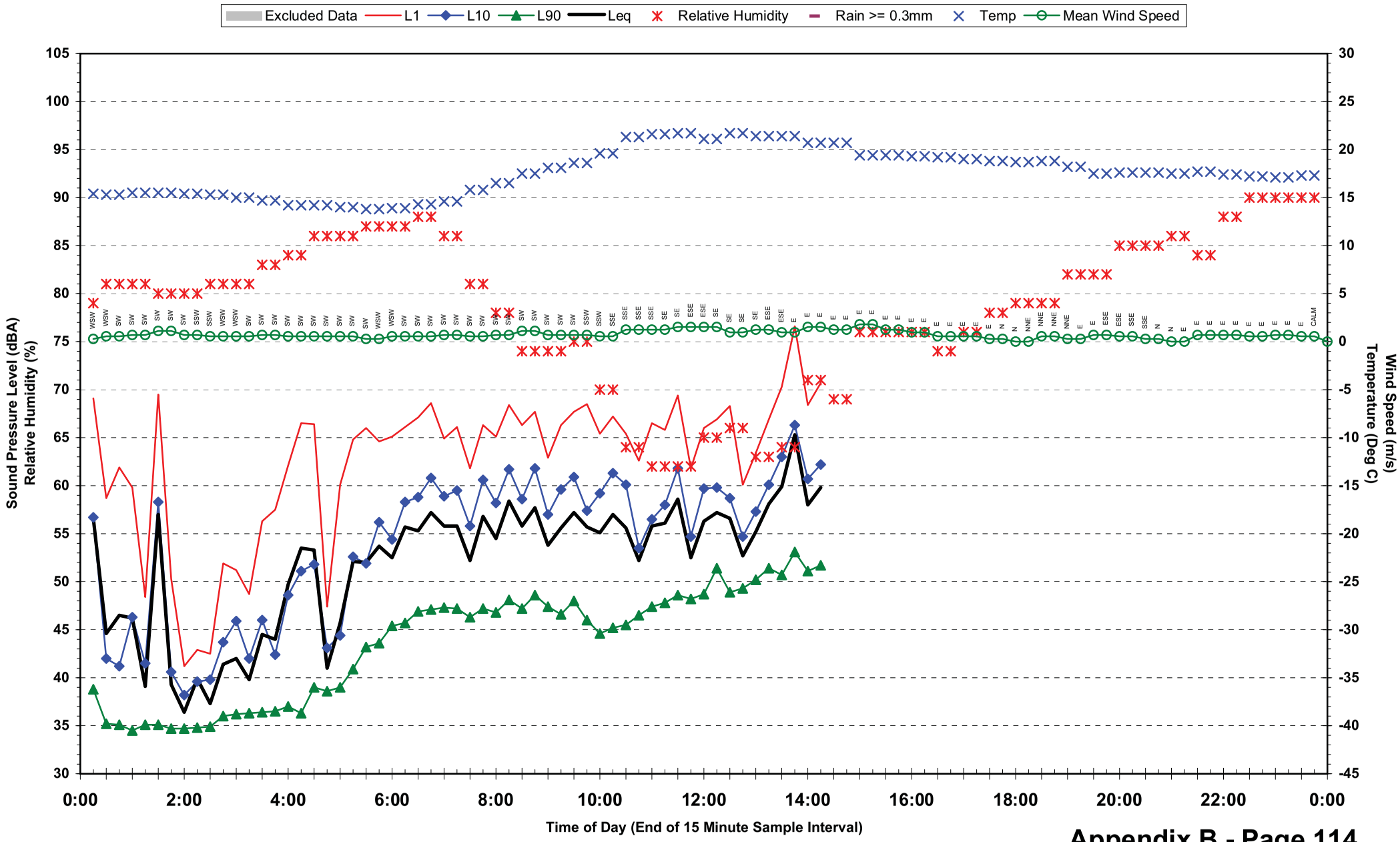
Statistical Ambient Noise Levels
Location 11 - Dutton Park State School - Wednesday 26 May 2010



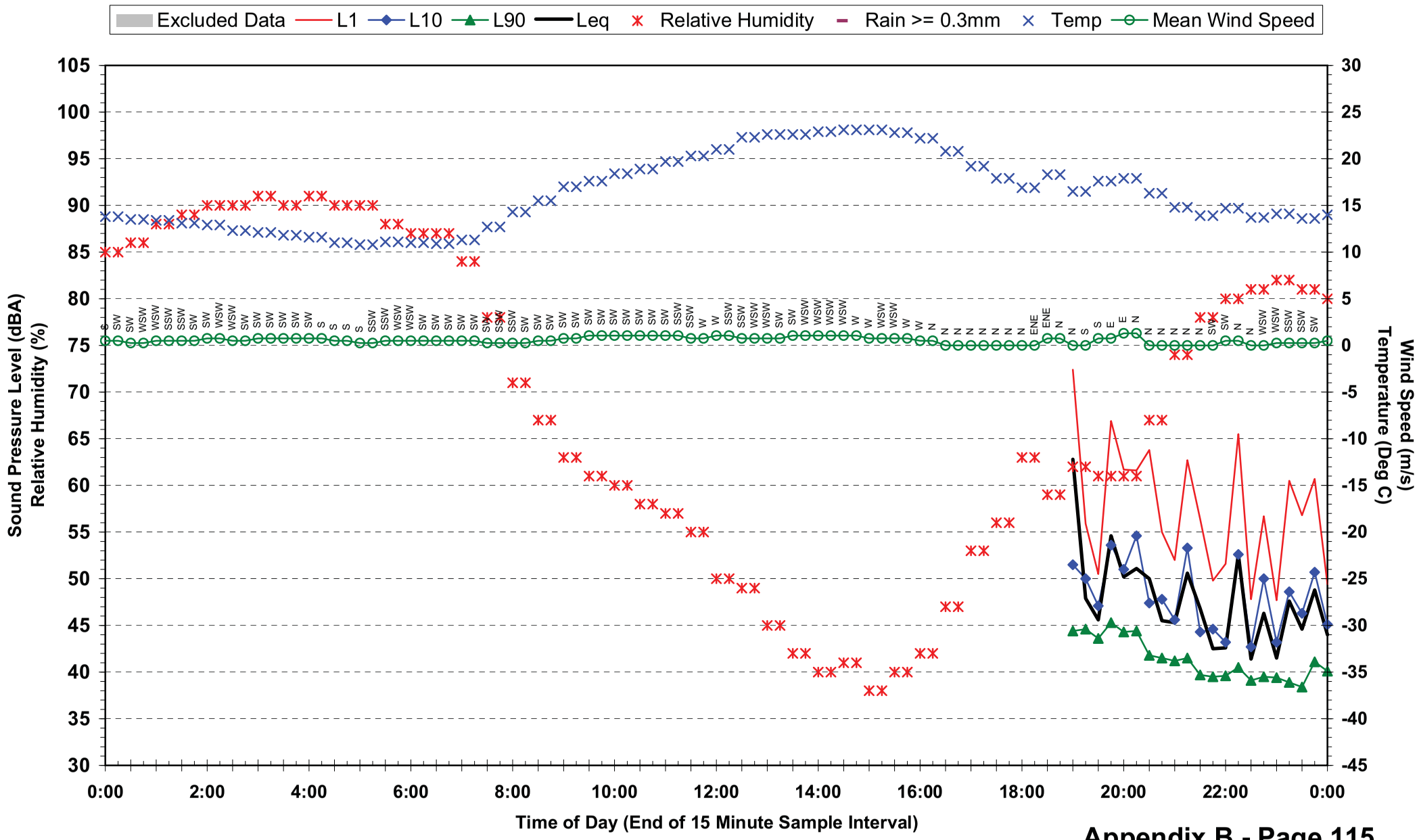
Statistical Ambient Noise Levels
Location 11 - Dutton Park State School - Thursday 27 May 2010



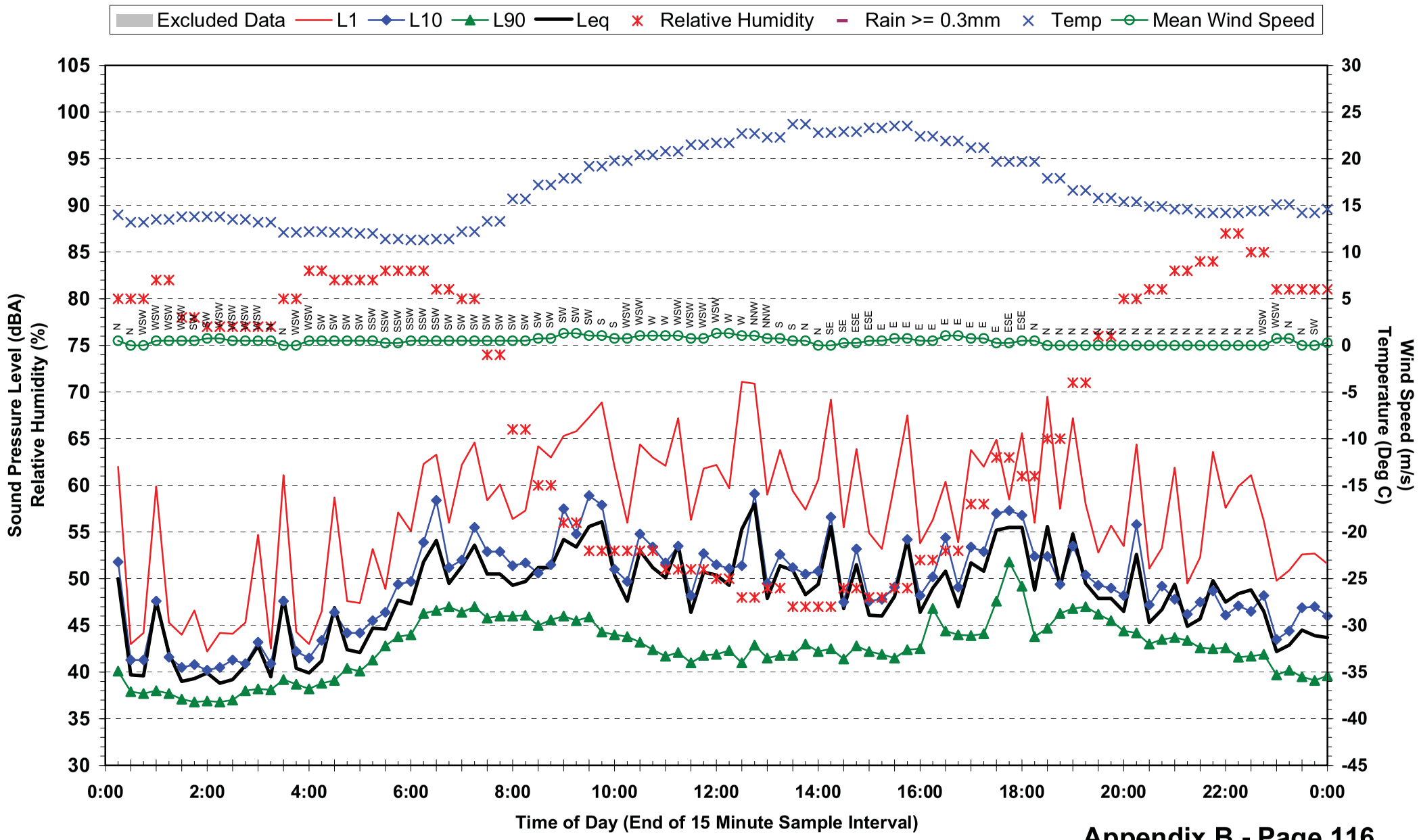
Statistical Ambient Noise Levels
Location 11 - Dutton Park State School - Friday 28 May 2010



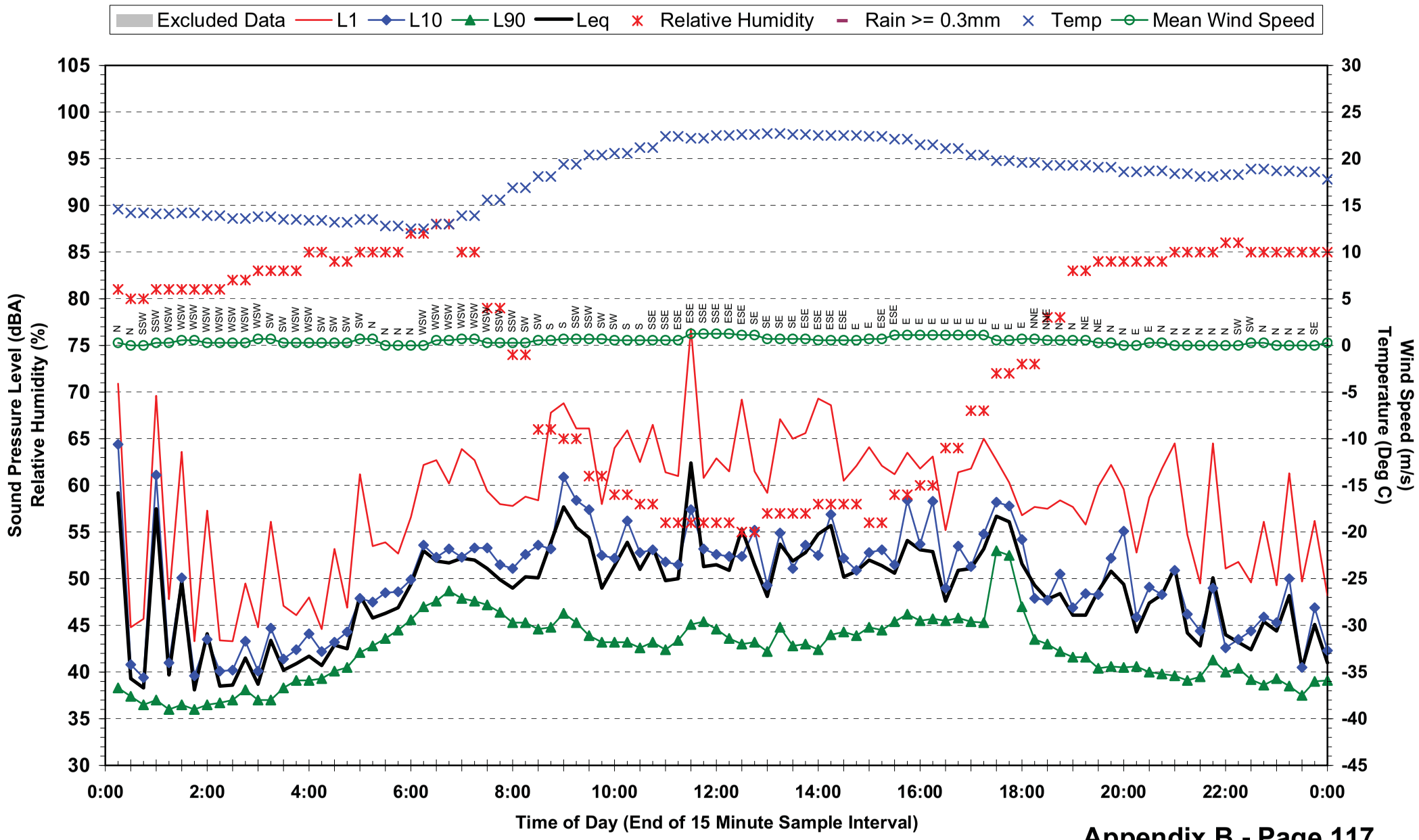
Statistical Ambient Noise Levels
Location 12 - 19 Dutton St - Tuesday 18 May 2010



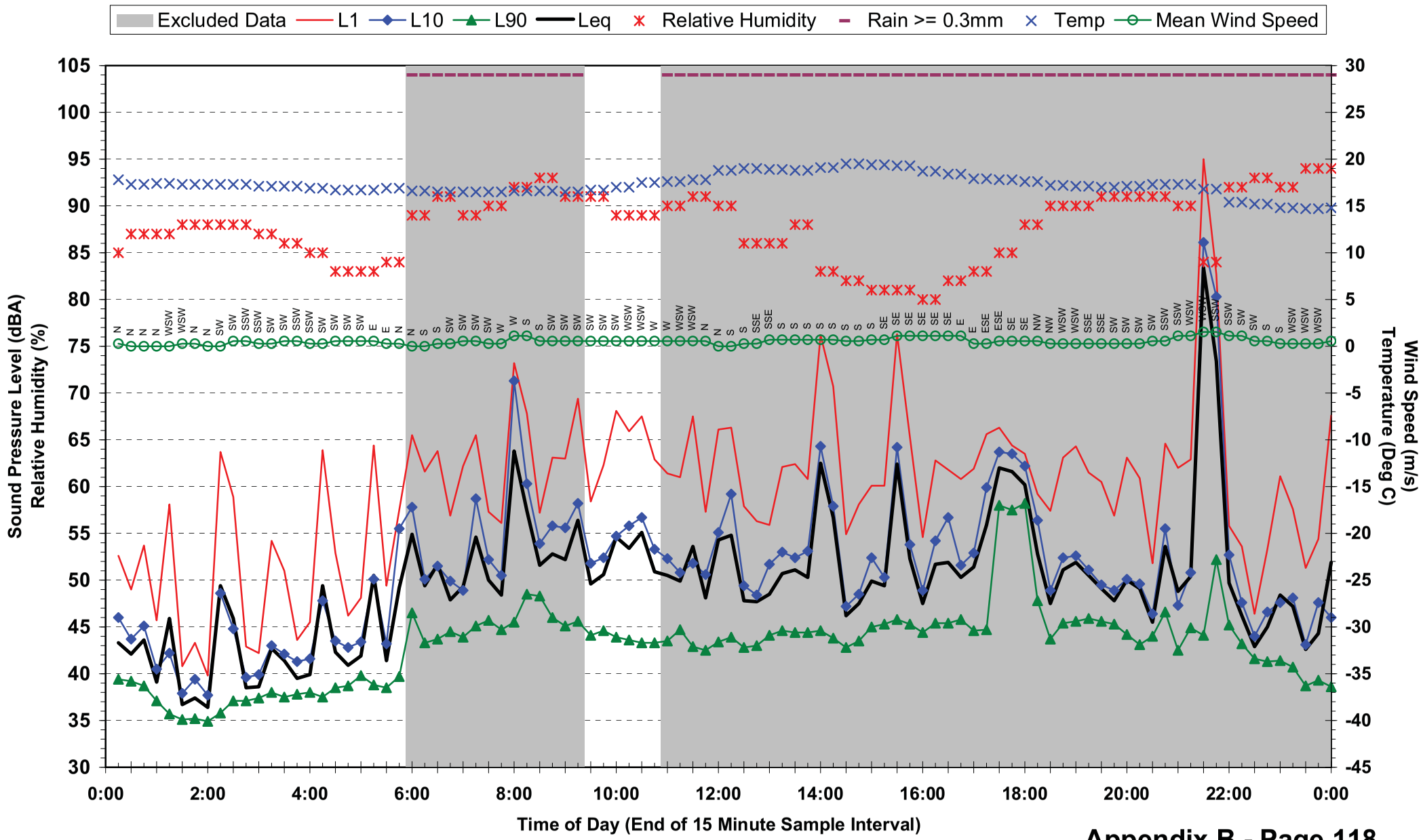
Statistical Ambient Noise Levels
Location 12 - 19 Dutton St - Wednesday 19 May 2010



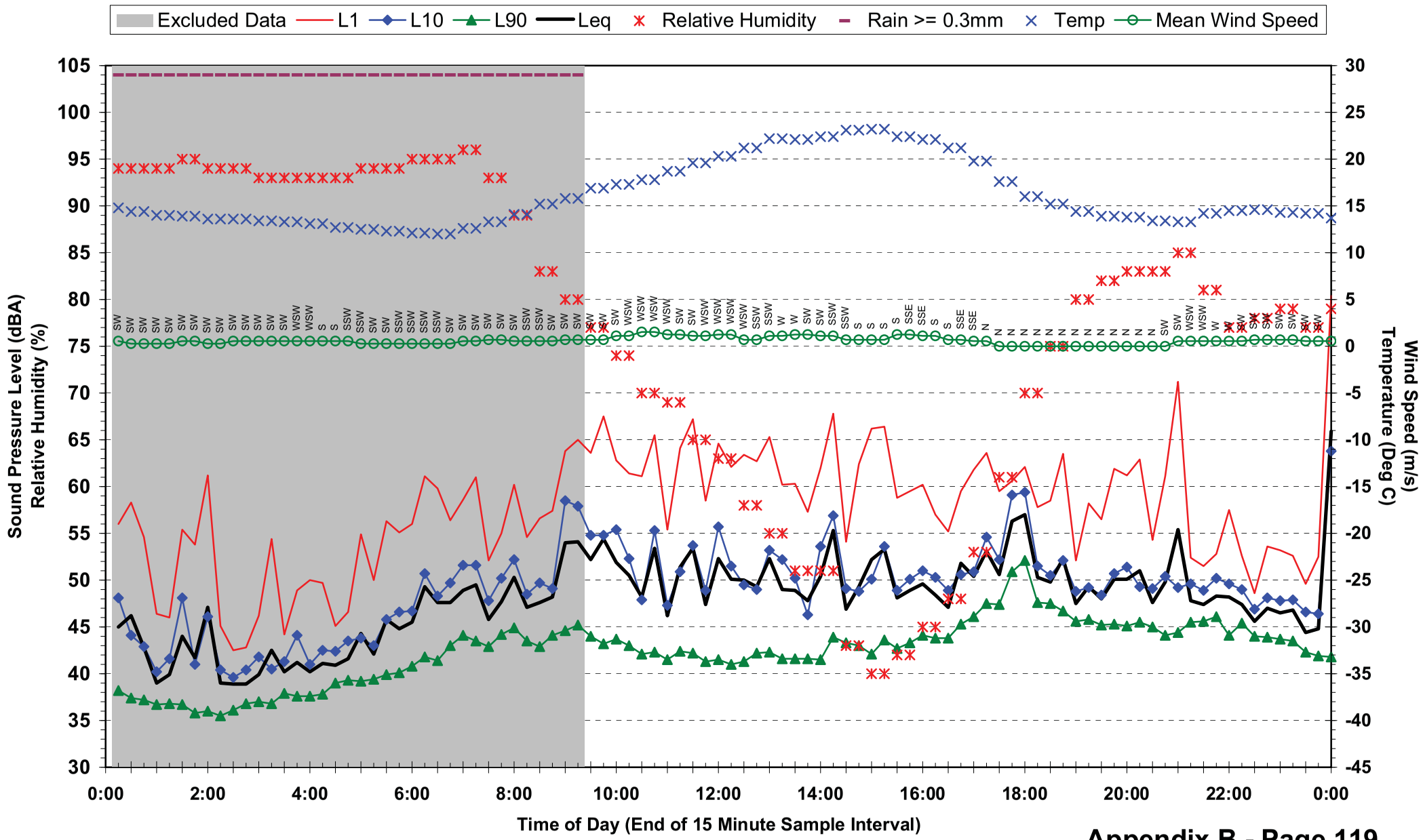
Statistical Ambient Noise Levels
Location 12 - 19 Dutton St - Thursday 20 May 2010



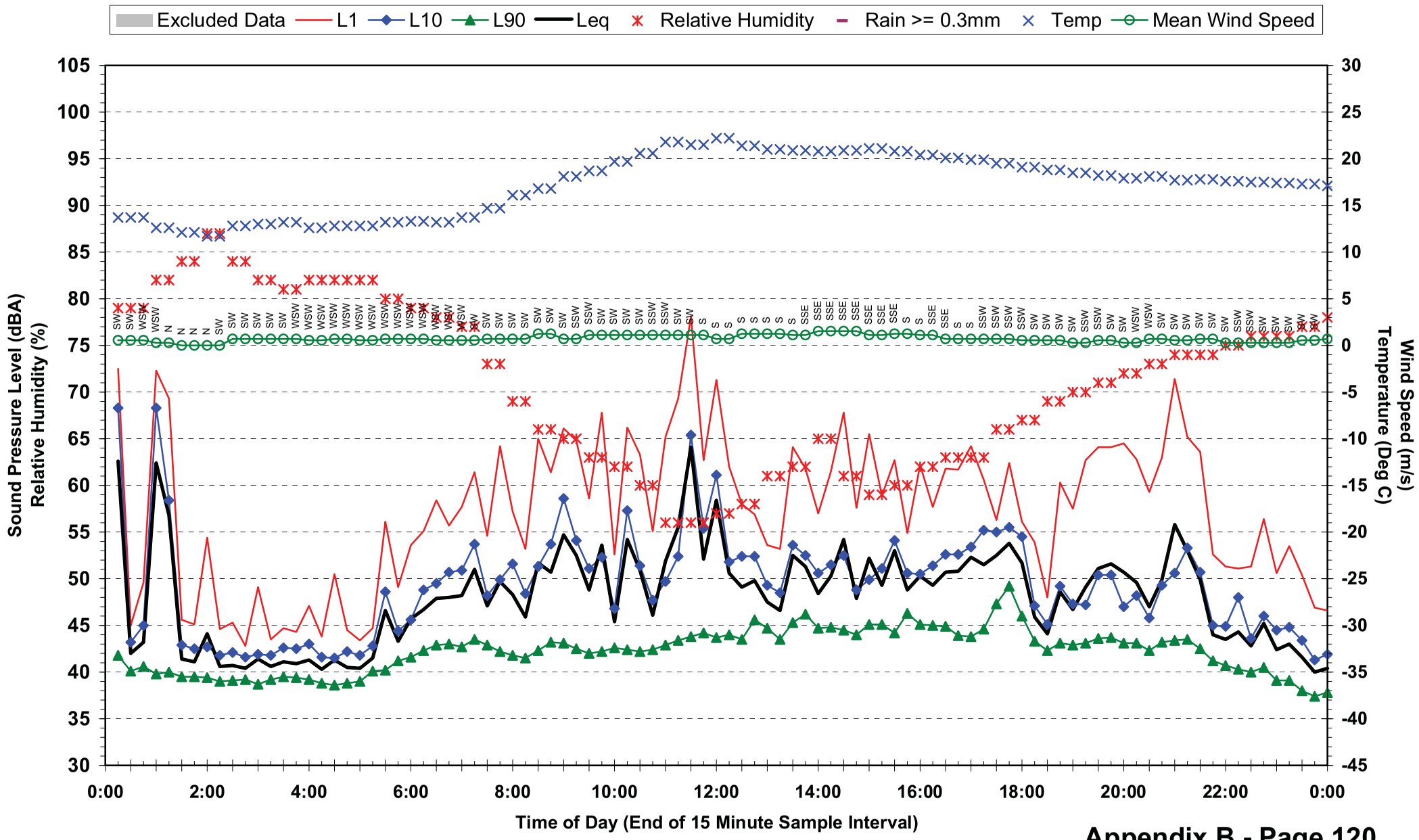
Statistical Ambient Noise Levels
Location 12 - 19 Dutton St - Friday 21 May 2010



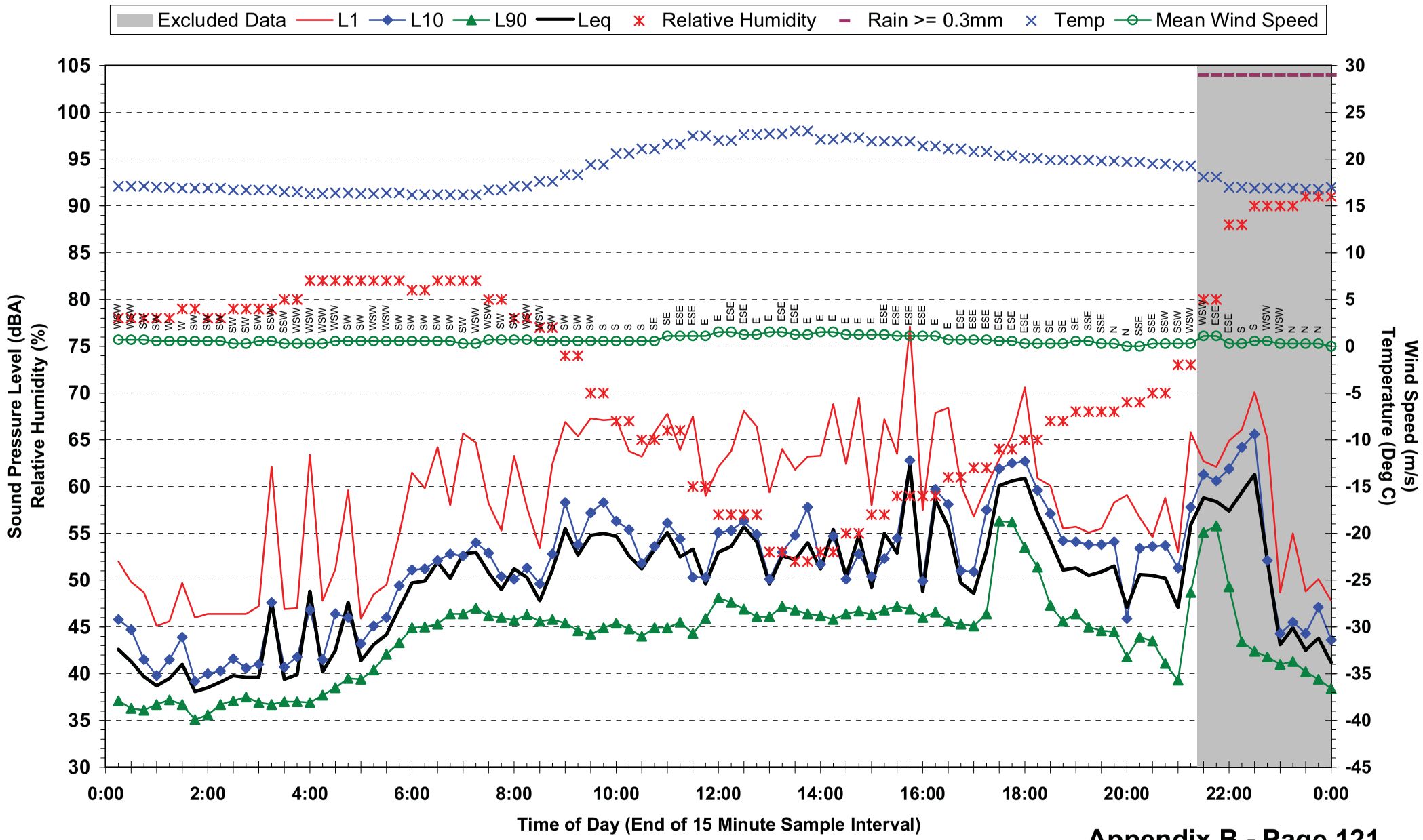
Statistical Ambient Noise Levels
Location 12 - 19 Dutton St - Saturday 22 May 2010



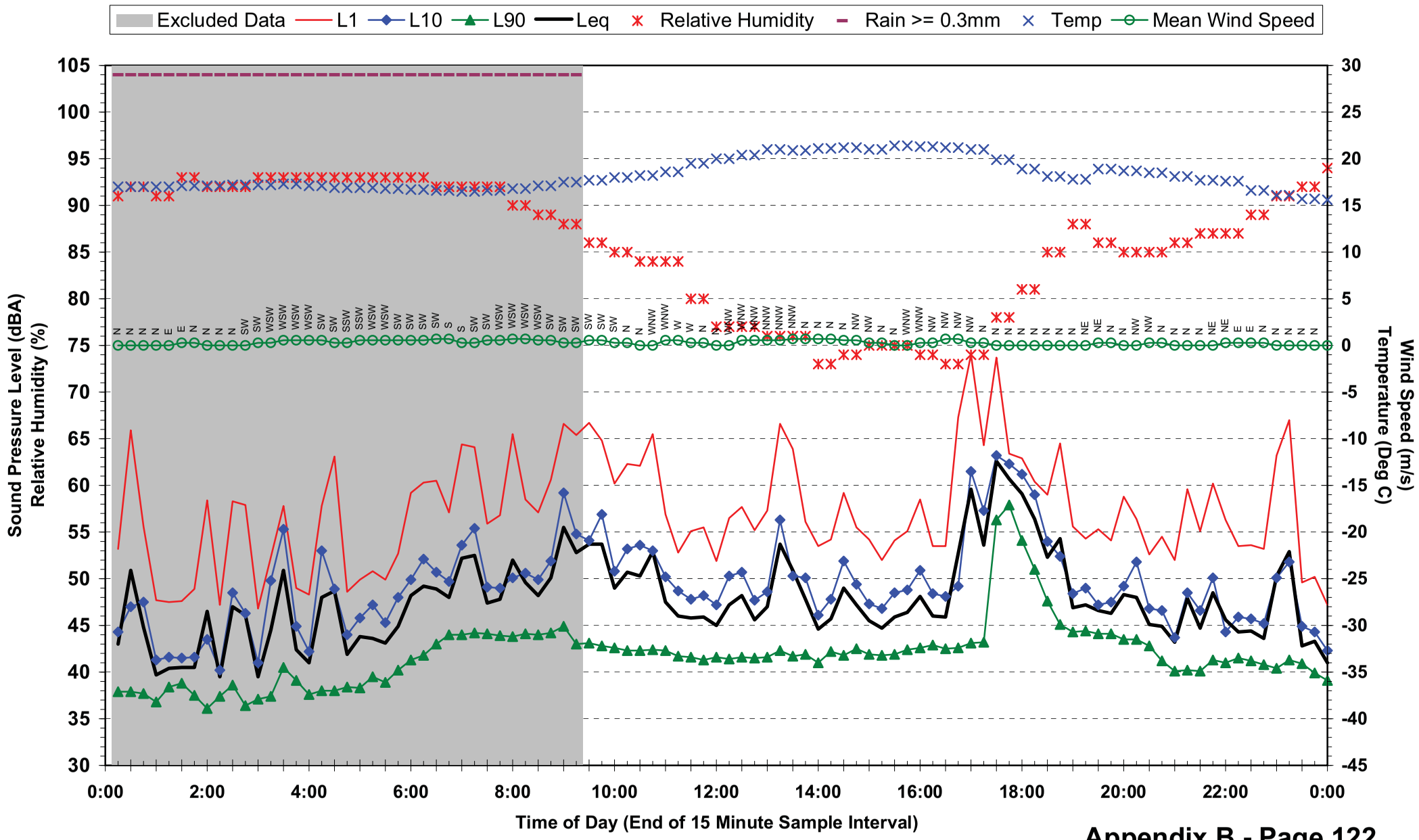
Statistical Ambient Noise Levels
Location 12 - 19 Dutton St - Sunday 23 May 2010



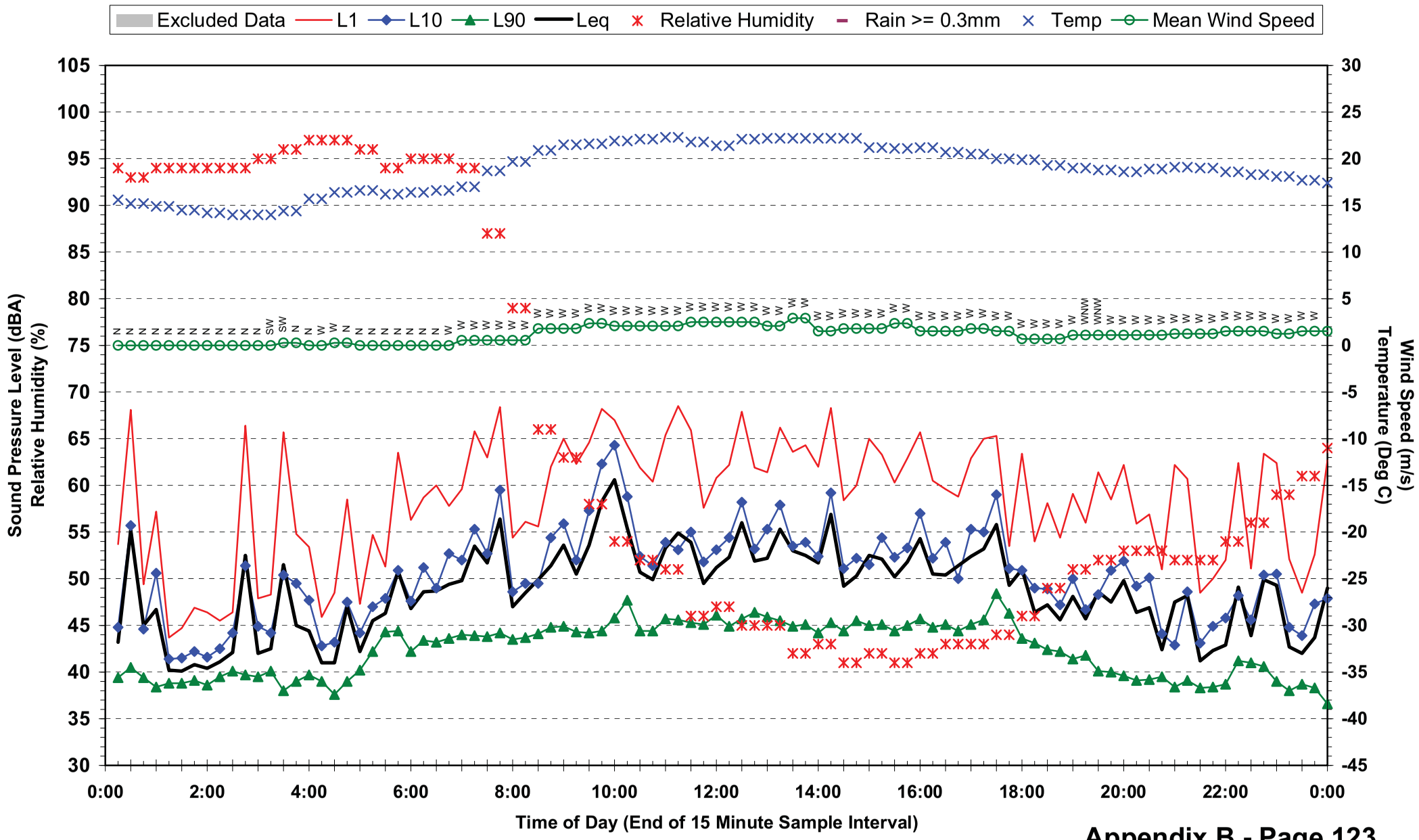
Statistical Ambient Noise Levels
Location 12 - 19 Dutton St - Monday 24 May 2010



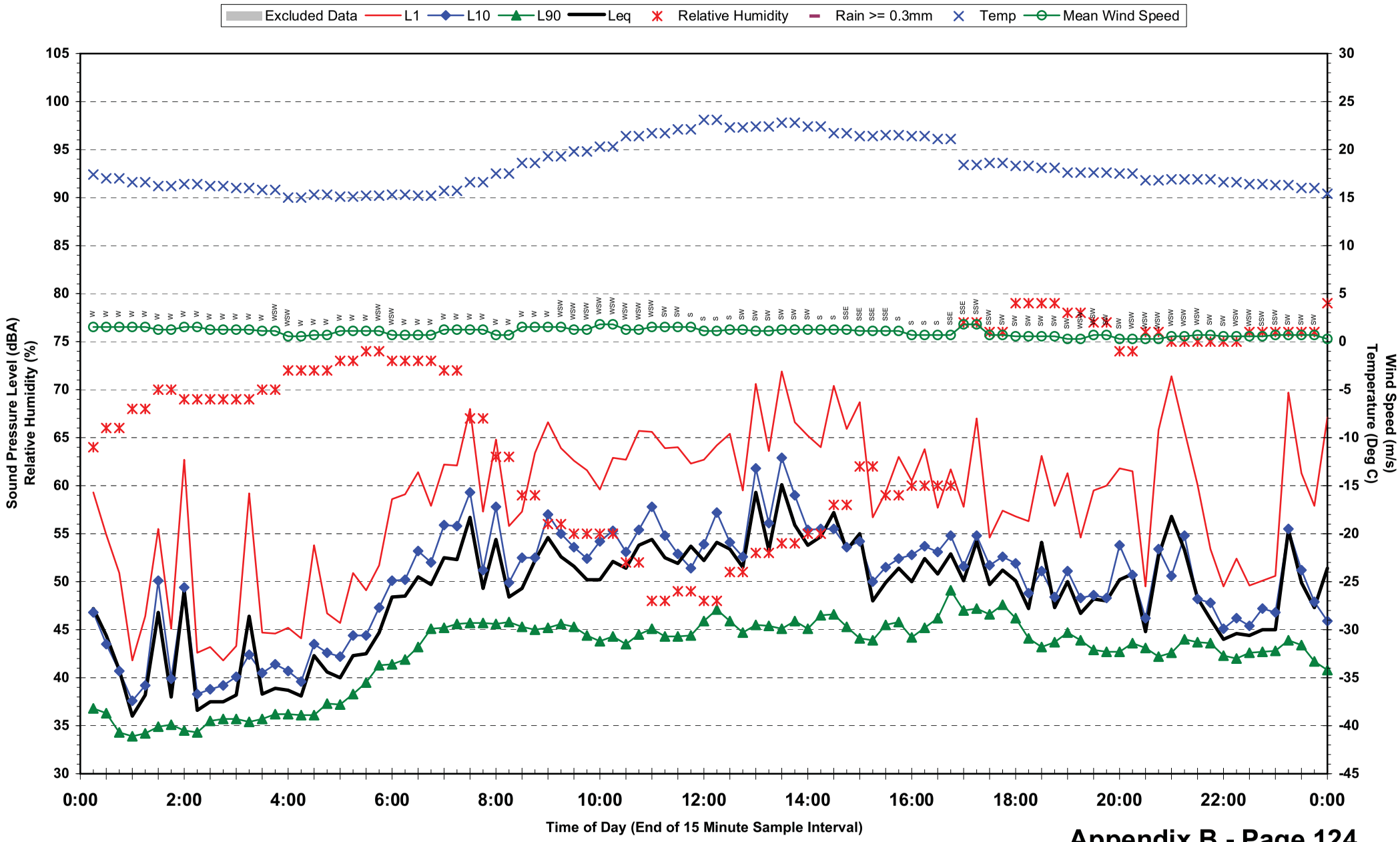
Statistical Ambient Noise Levels
Location 12 - 19 Dutton St - Tuesday 25 May 2010



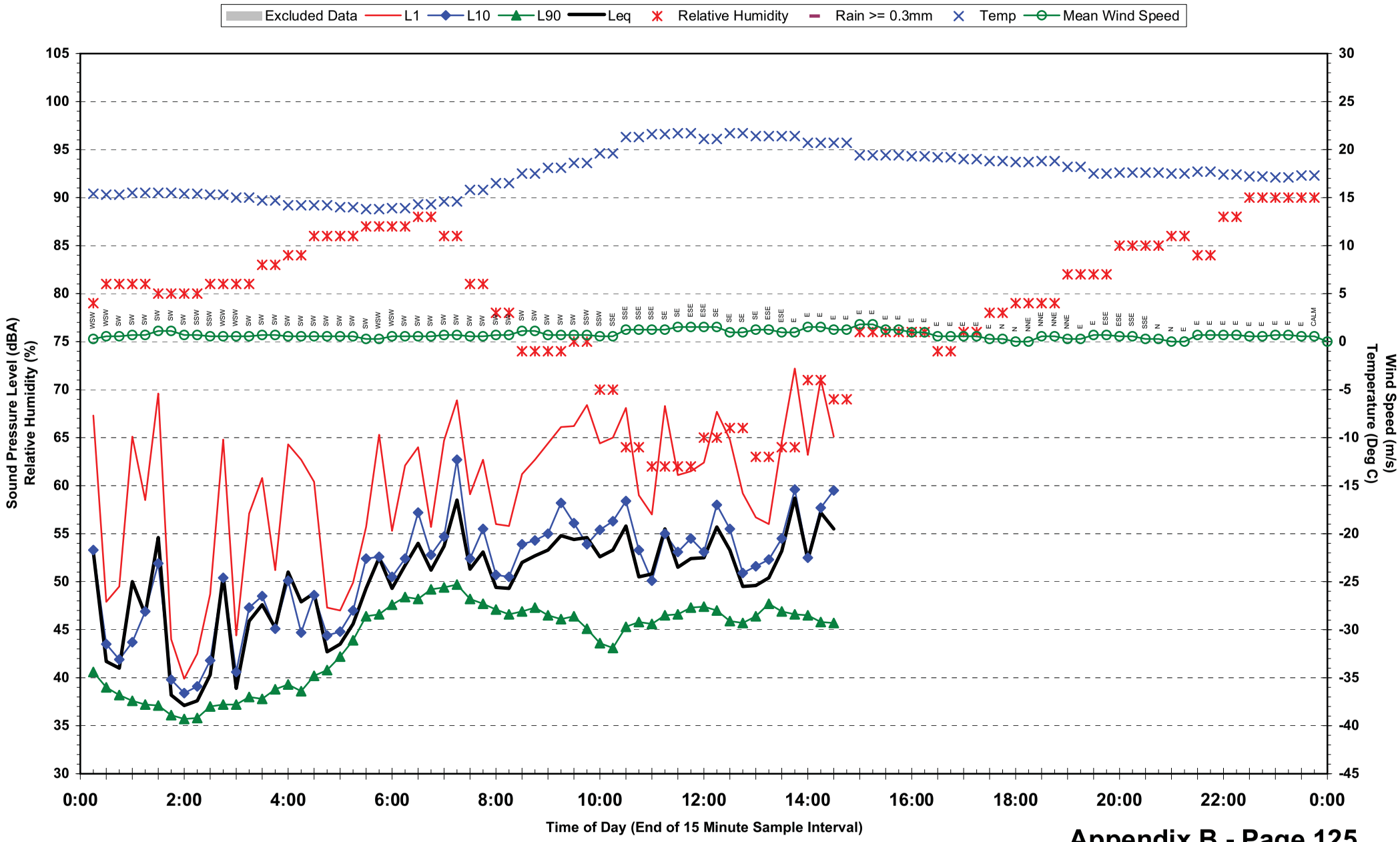
Statistical Ambient Noise Levels
Location 12 - 19 Dutton St - Wednesday 26 May 2010



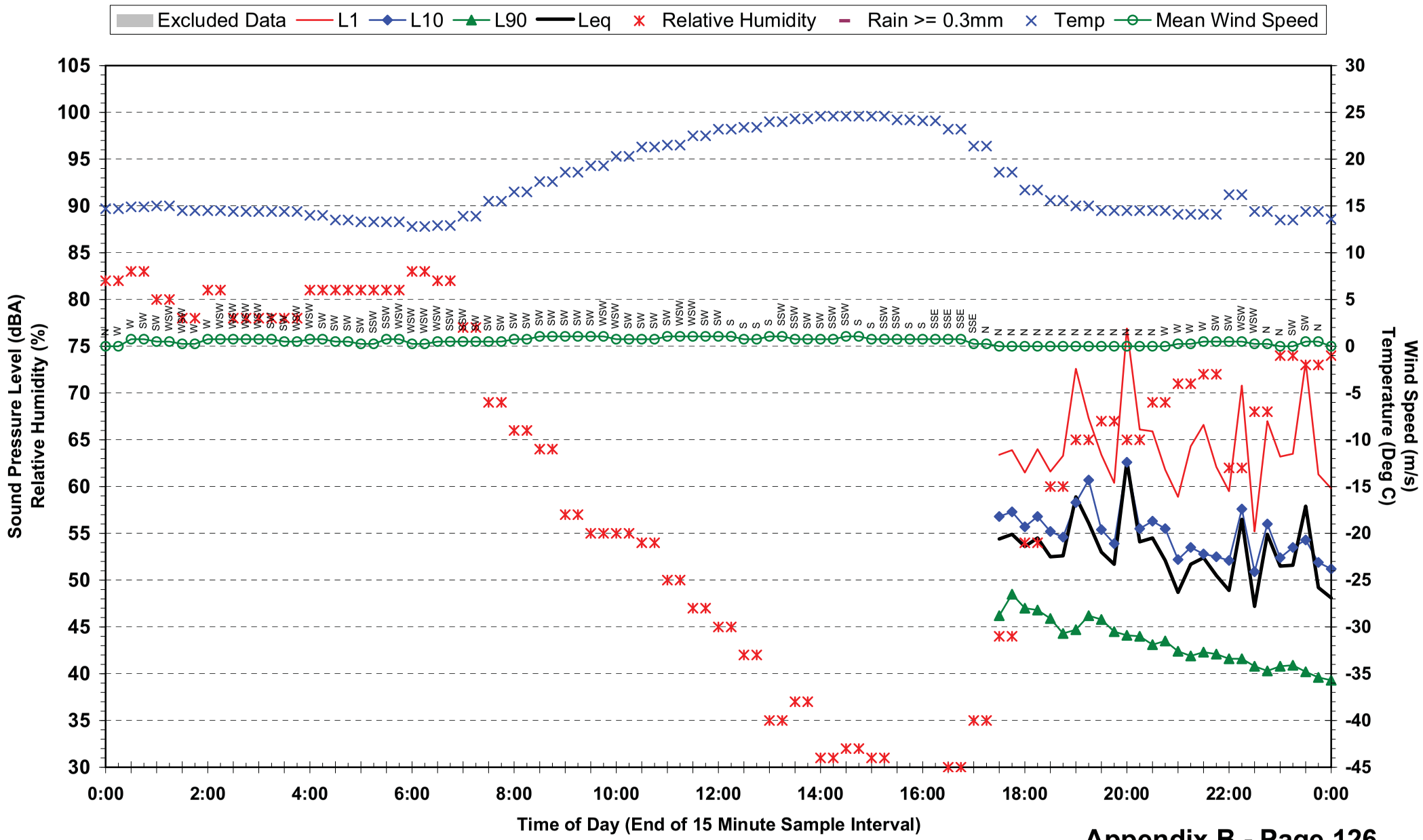
Statistical Ambient Noise Levels
Location 12 - 19 Dutton St - Thursday 27 May 2010



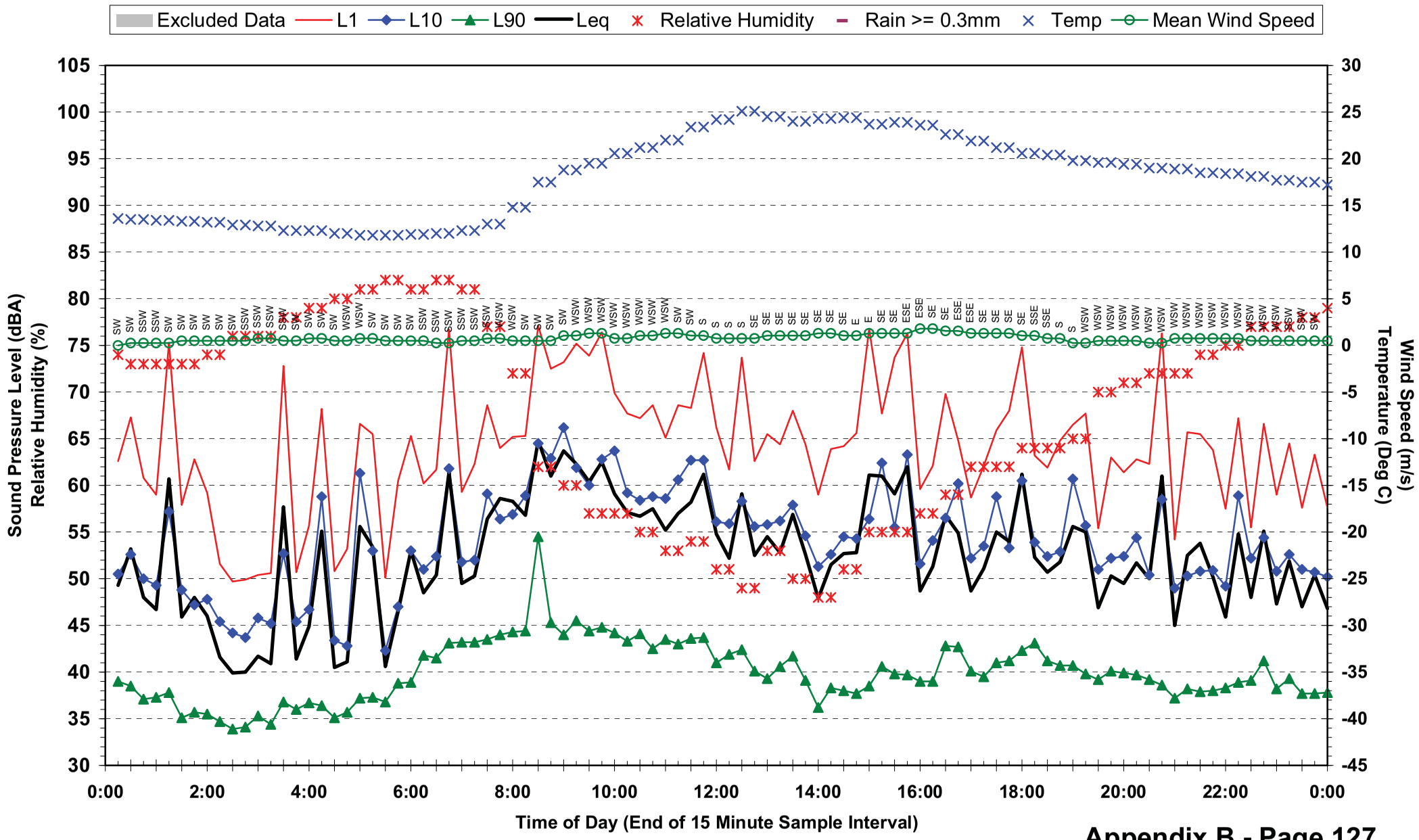
Statistical Ambient Noise Levels
Location 12 - 19 Dutton St - Friday 28 May 2010



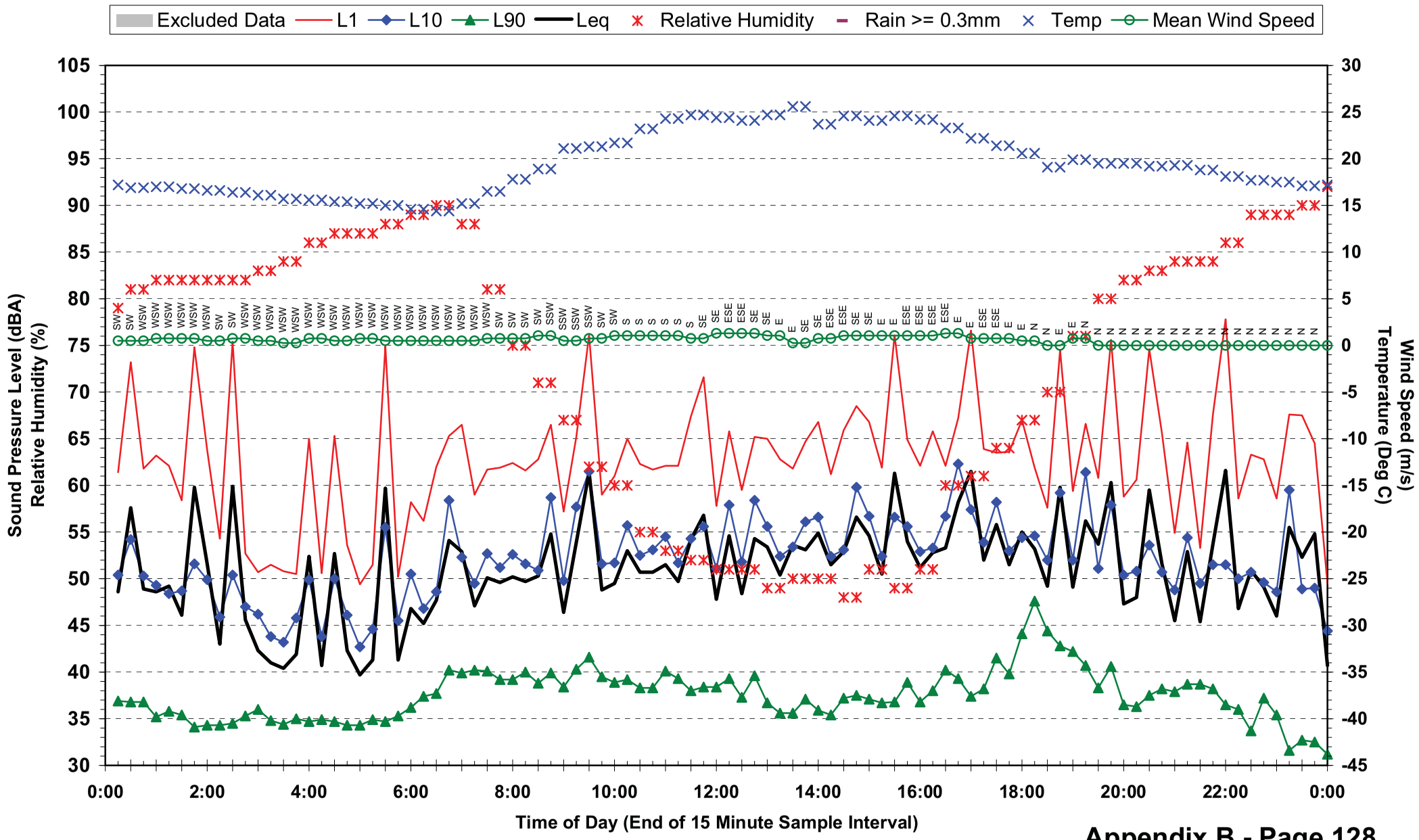
Statistical Ambient Noise Levels
Location 13 - 4 Fenton St - Friday 7 May 2010



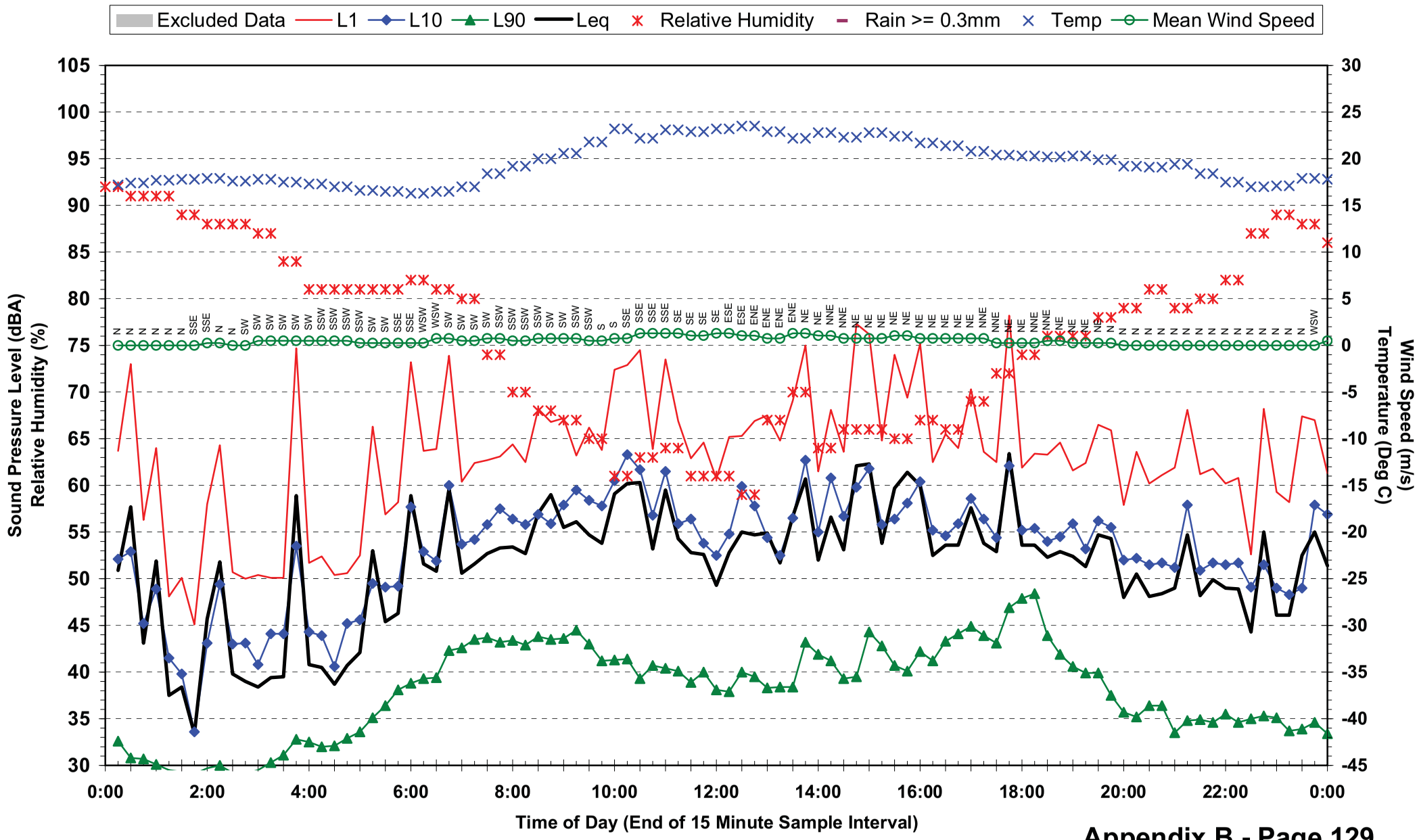
Statistical Ambient Noise Levels
Location 13 - 4 Fenton St - Saturday 8 May 2010



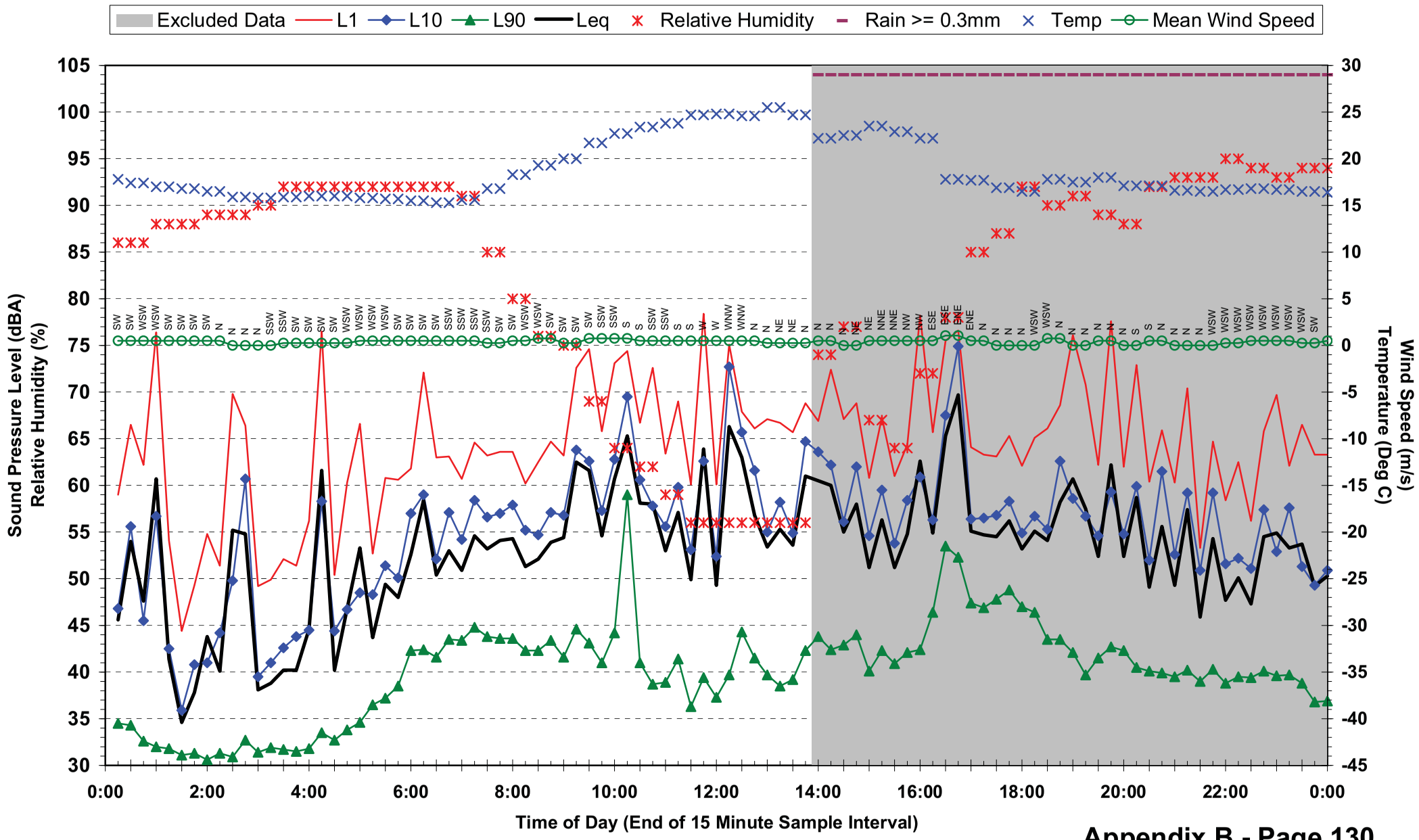
Statistical Ambient Noise Levels
Location 13 - 4 Fenton St - Sunday 9 May 2010



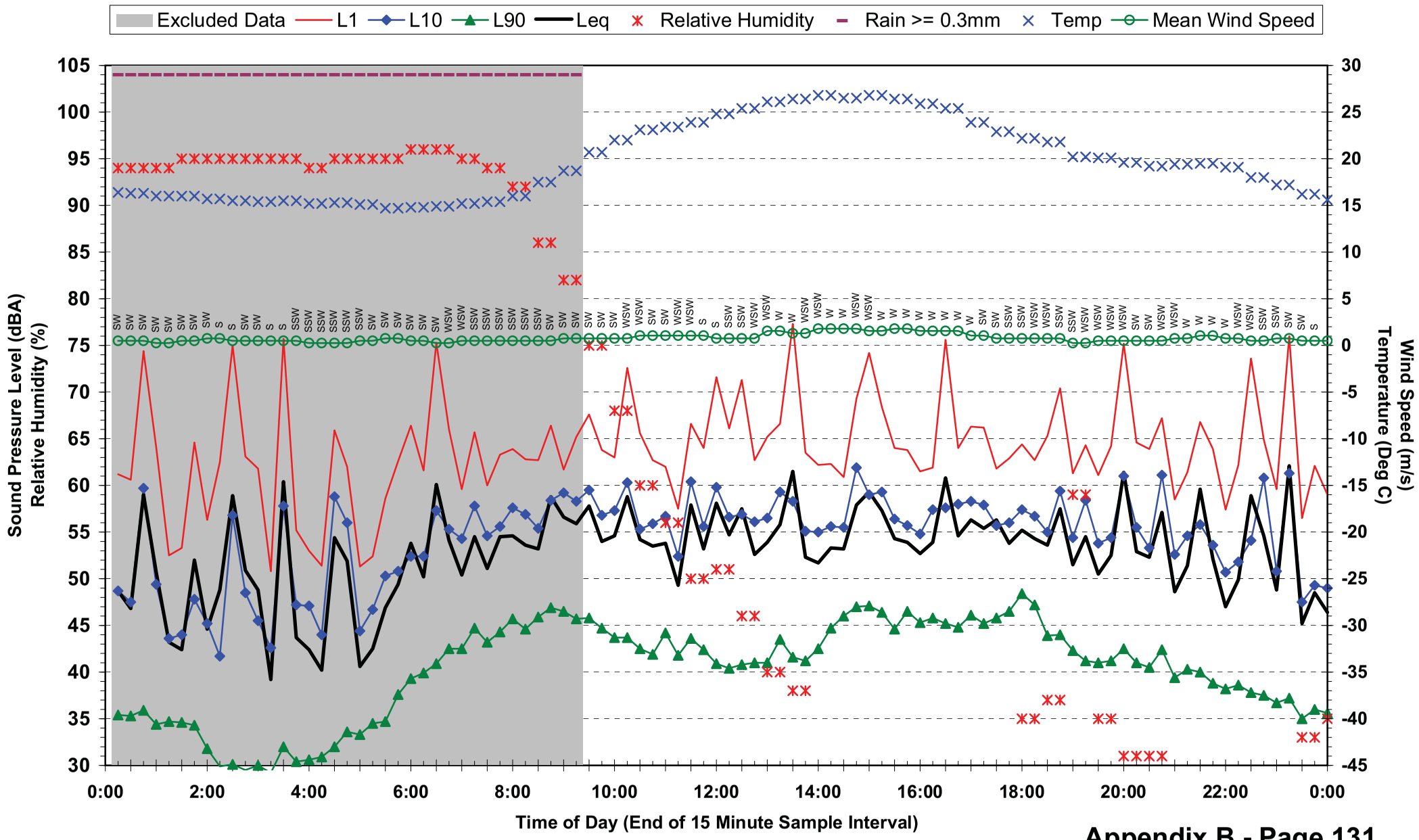
Statistical Ambient Noise Levels
Location 13 - 4 Fenton St - Monday 10 May 2010



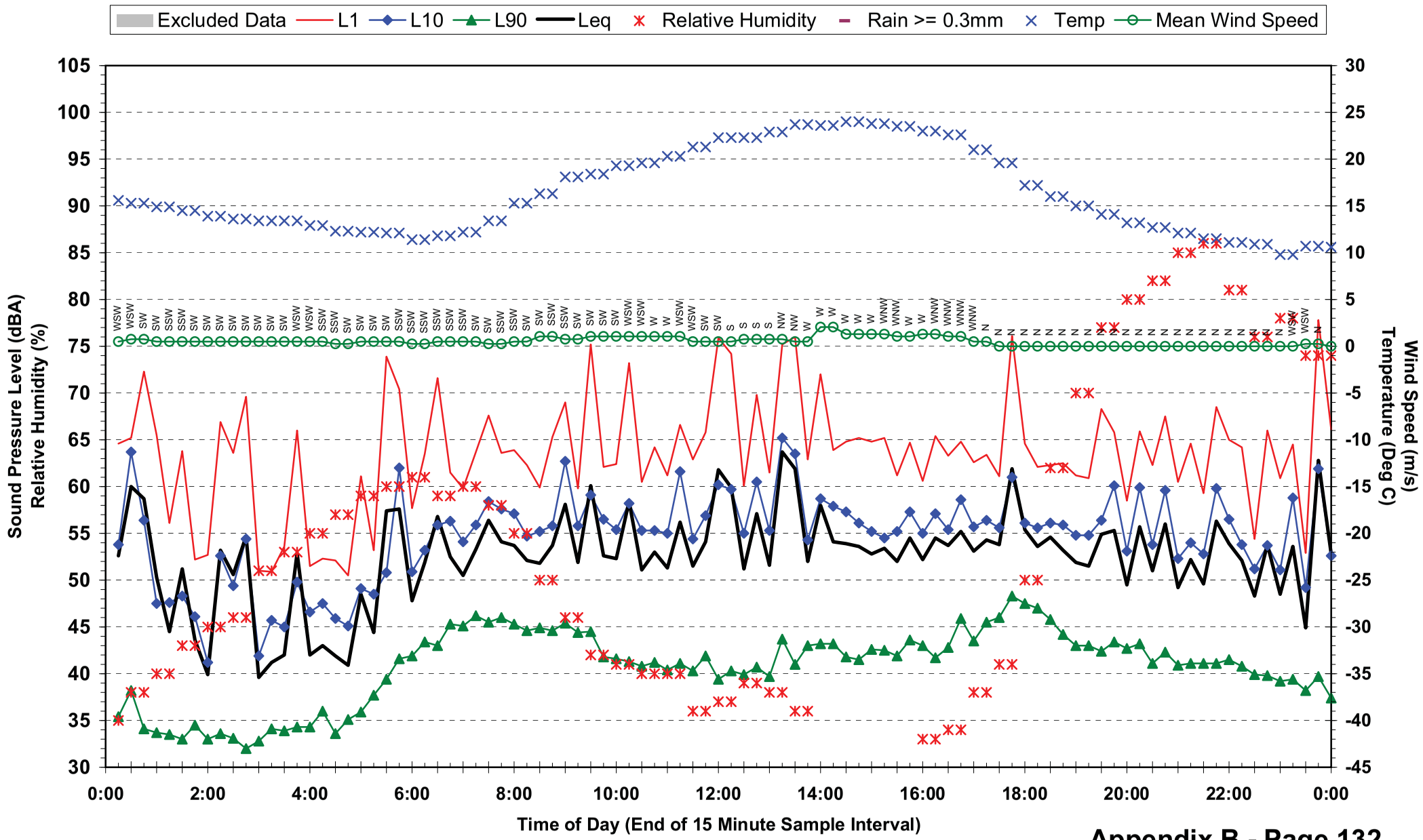
Statistical Ambient Noise Levels
Location 13 - 4 Fenton St - Tuesday 11 May 2010



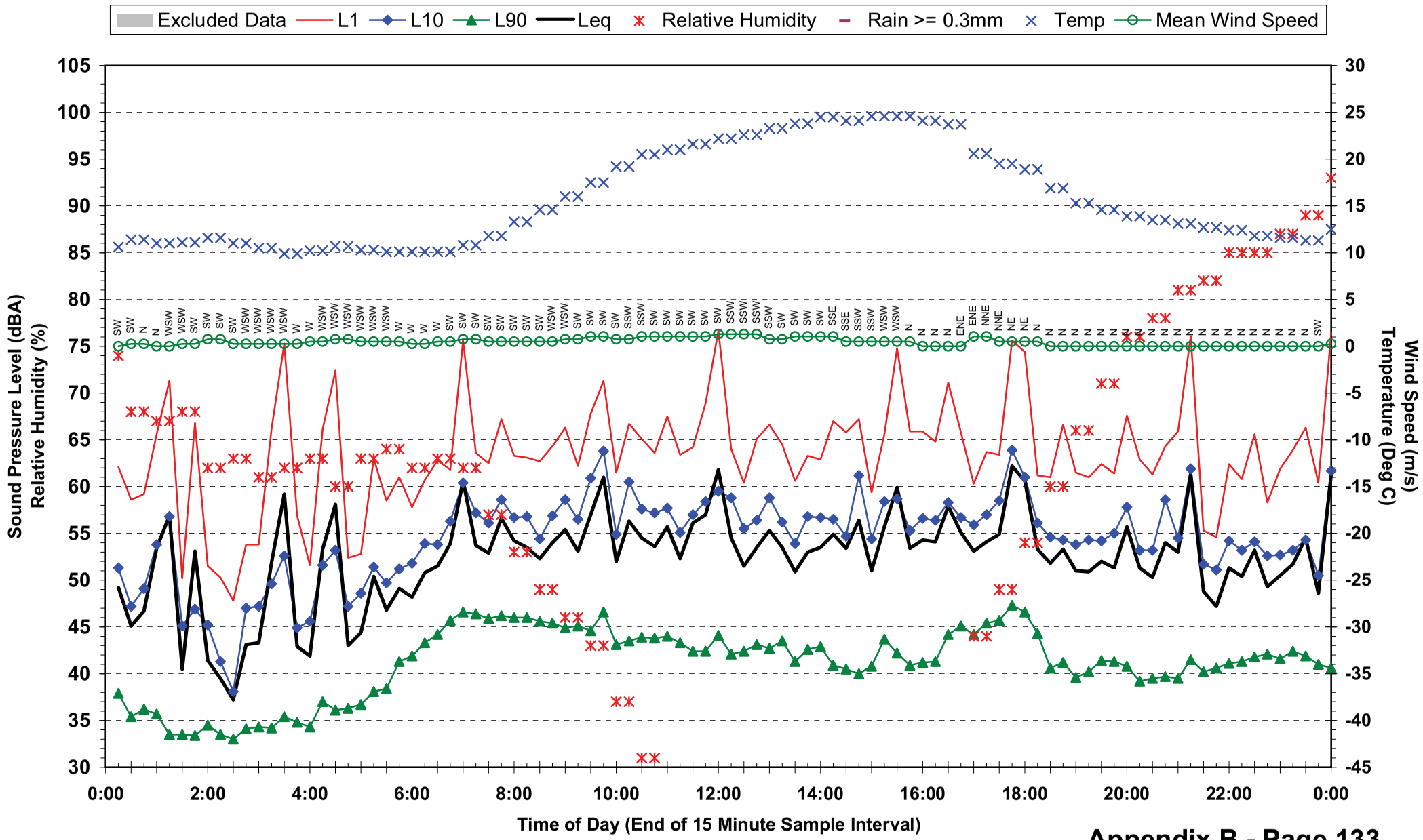
Statistical Ambient Noise Levels
Location 13 - 4 Fenton St - Wednesday 12 May 2010



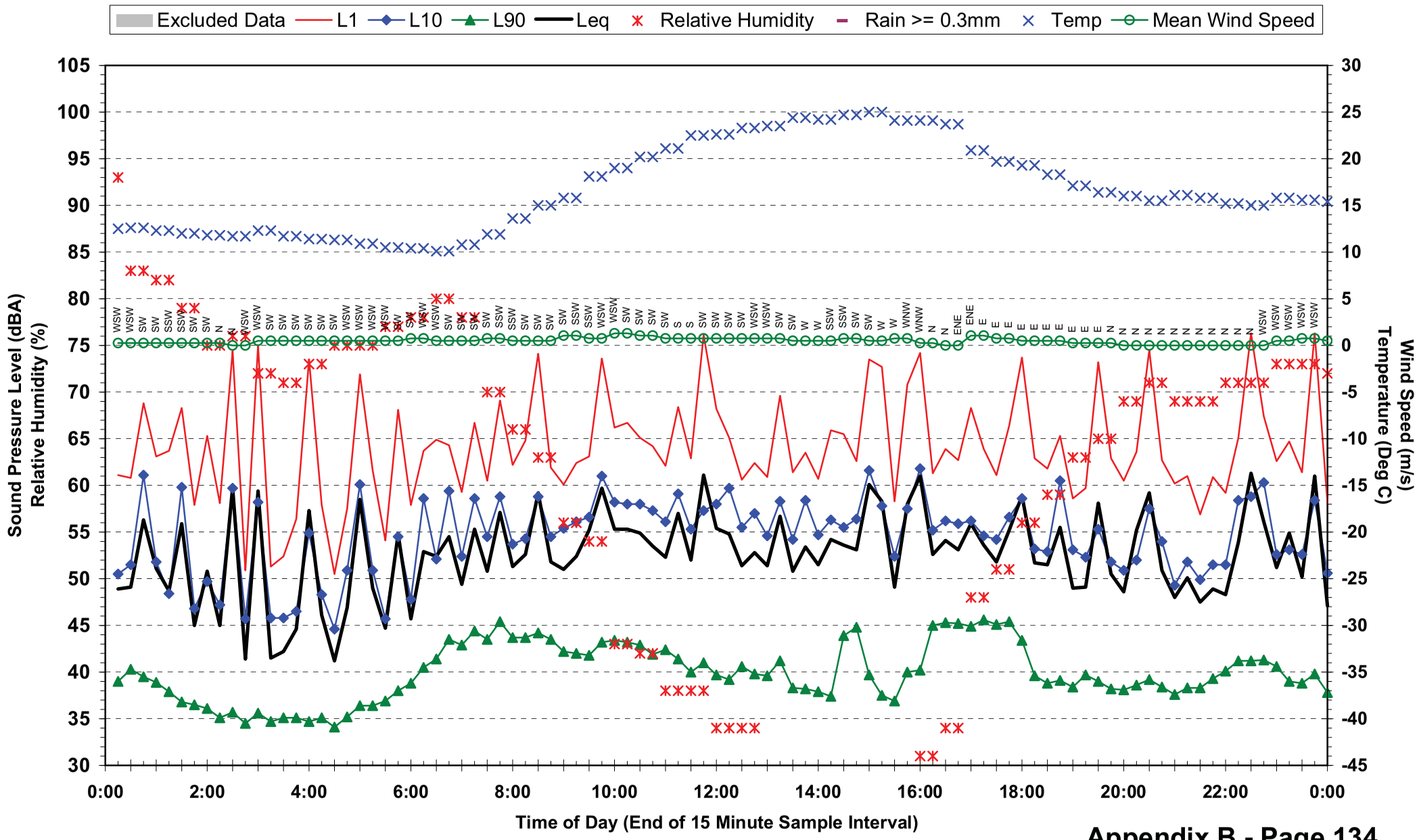
Statistical Ambient Noise Levels
Location 13 - 4 Fenton St - Thursday 13 May 2010



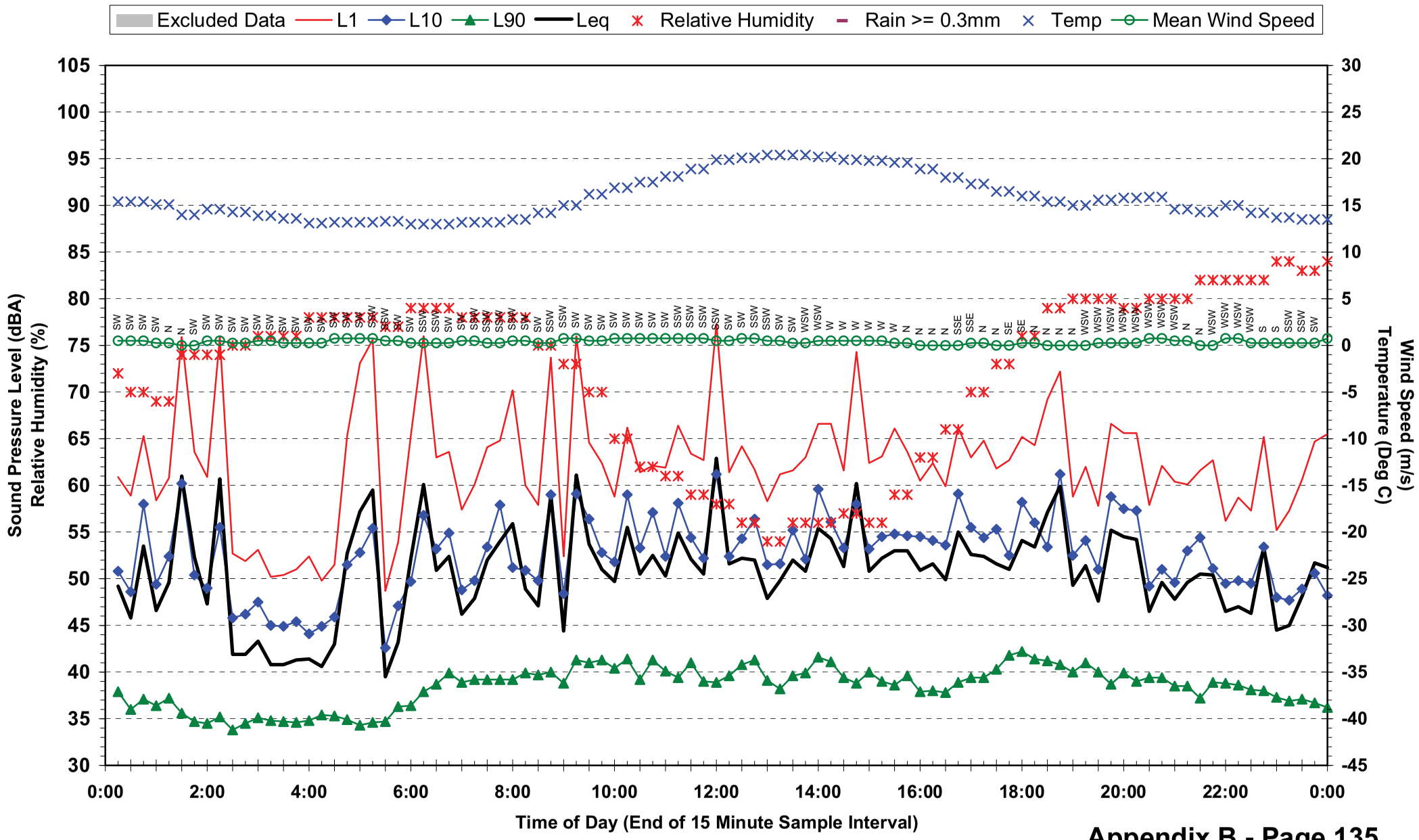
Statistical Ambient Noise Levels
Location 13 - 4 Fenton St - Friday 14 May 2010



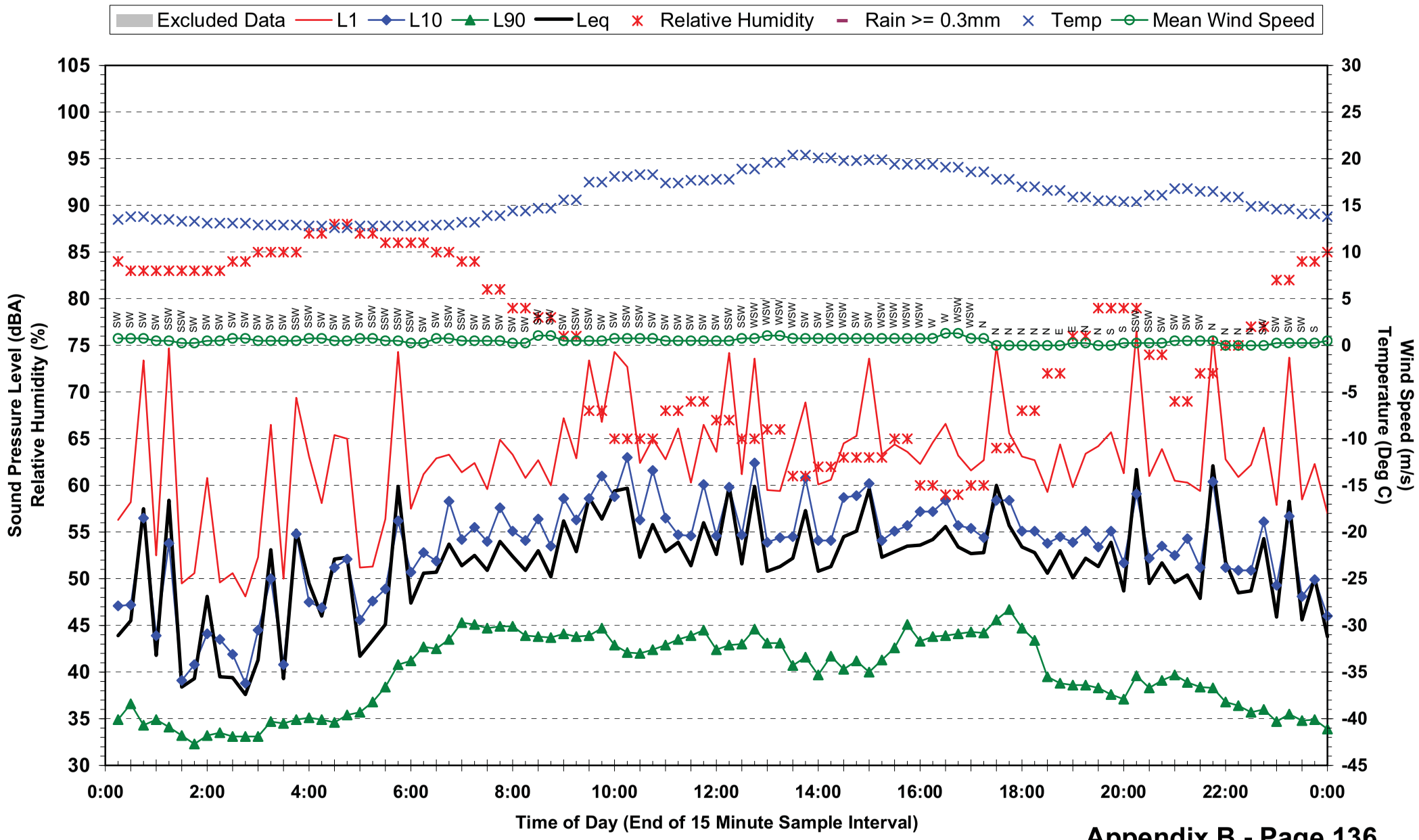
Statistical Ambient Noise Levels
Location 13 - 4 Fenton St - Saturday 15 May 2010



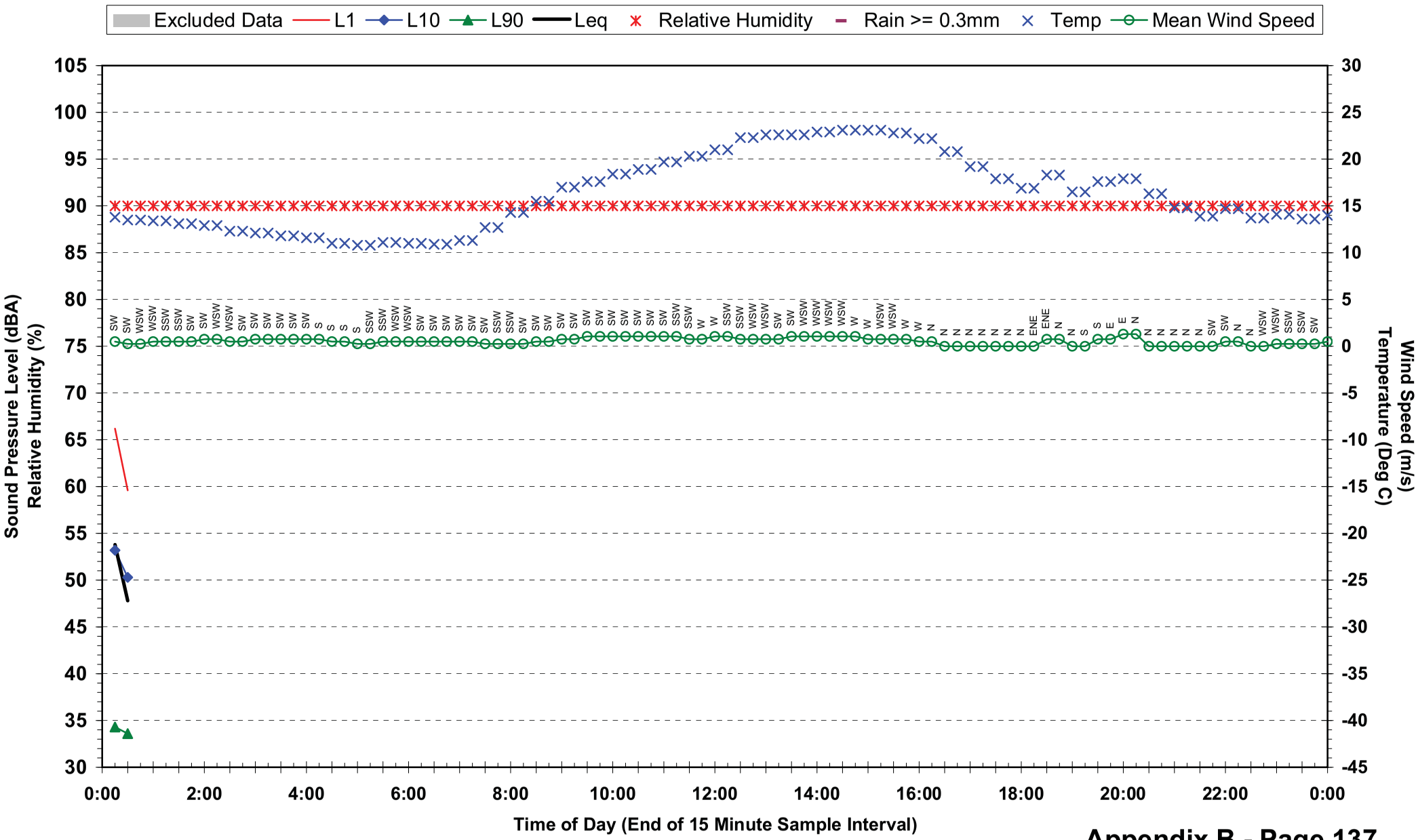
Statistical Ambient Noise Levels
Location 13 - 4 Fenton St - Sunday 16 May 2010



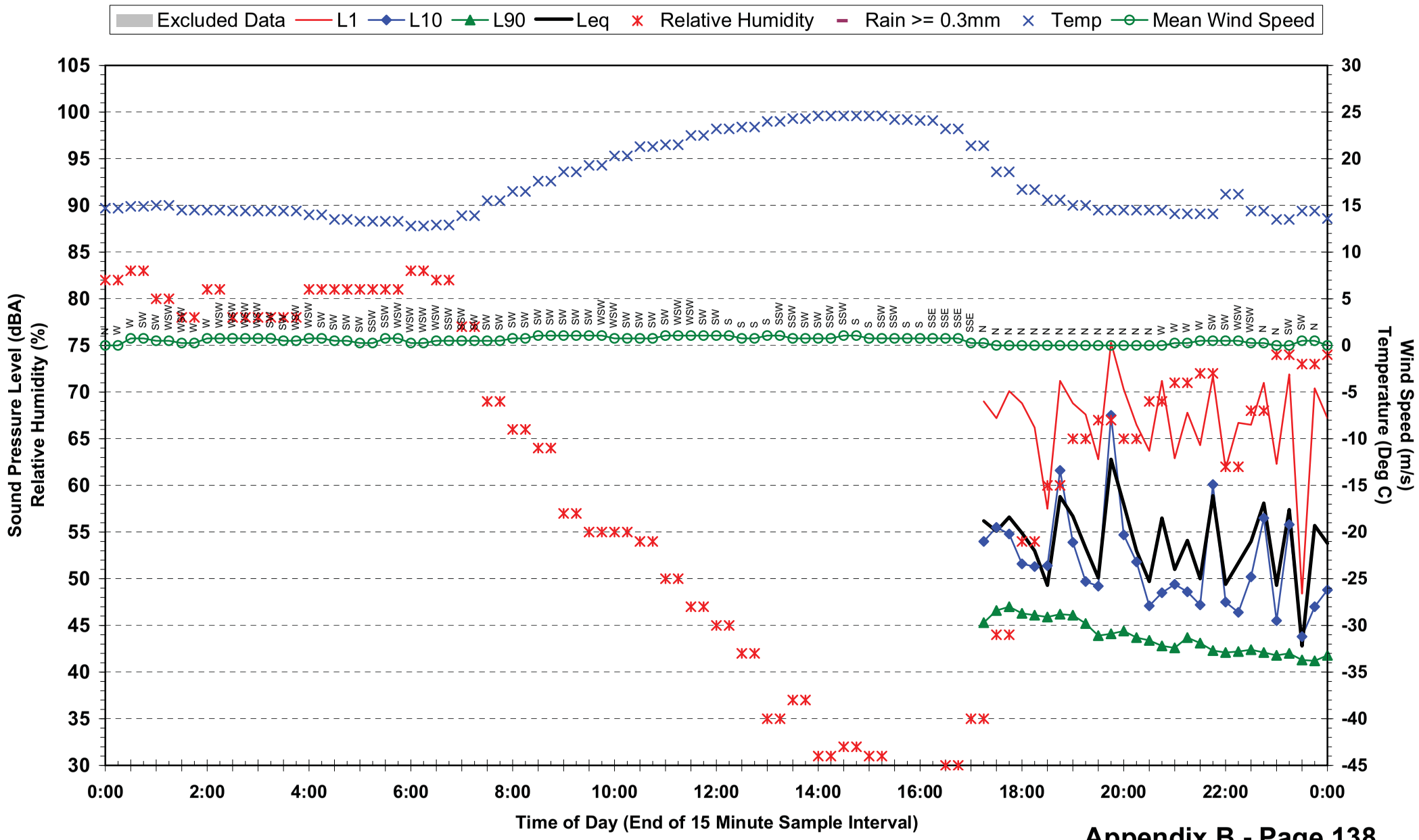
Statistical Ambient Noise Levels
Location 13 - 4 Fenton St - Monday 17 May 2010



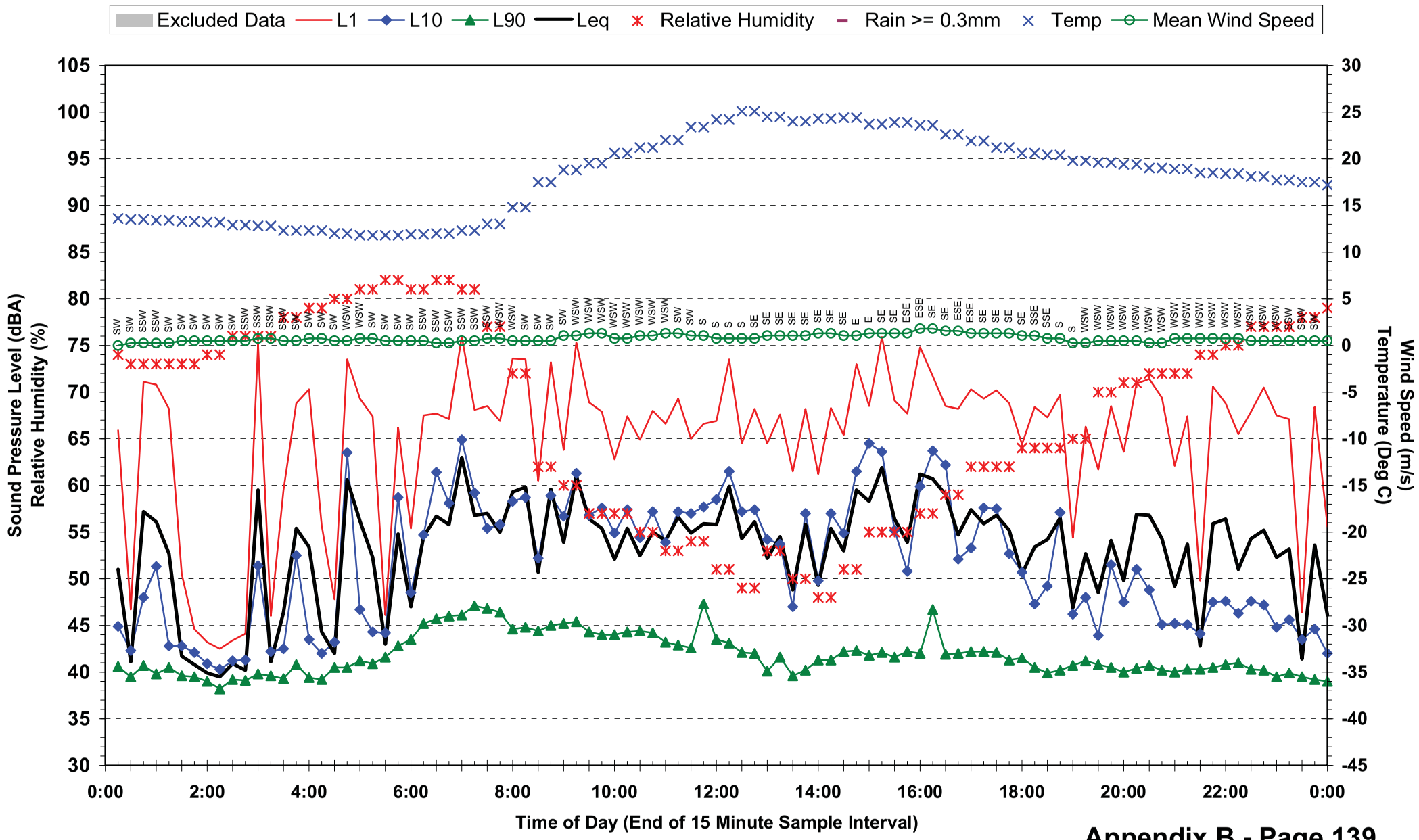
Statistical Ambient Noise Levels
Location 13 - 4 Fenton St - Tuesday 18 May 2010



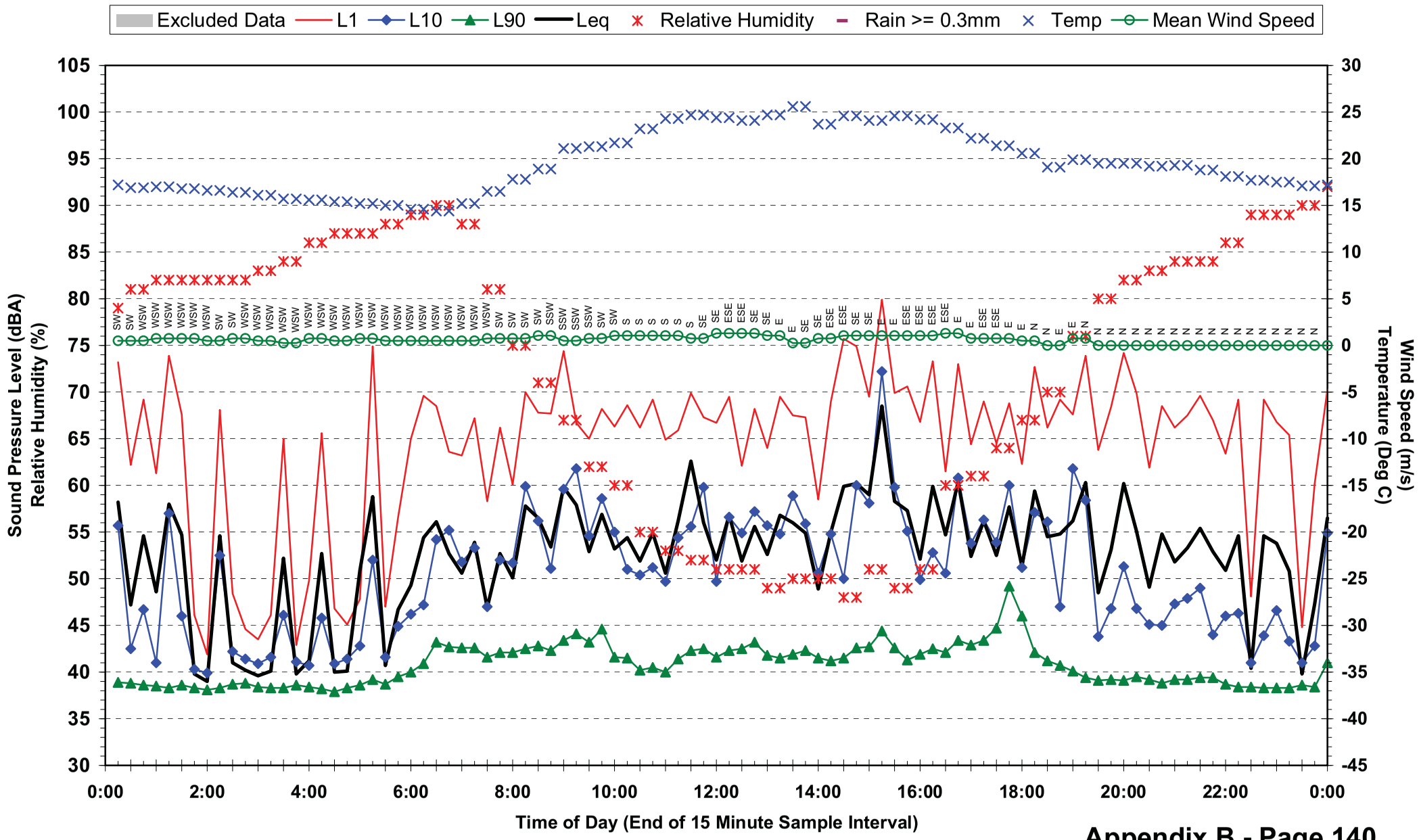
Statistical Ambient Noise Levels
Location 14 - 17 Lagonda St - Friday 7 May 2010



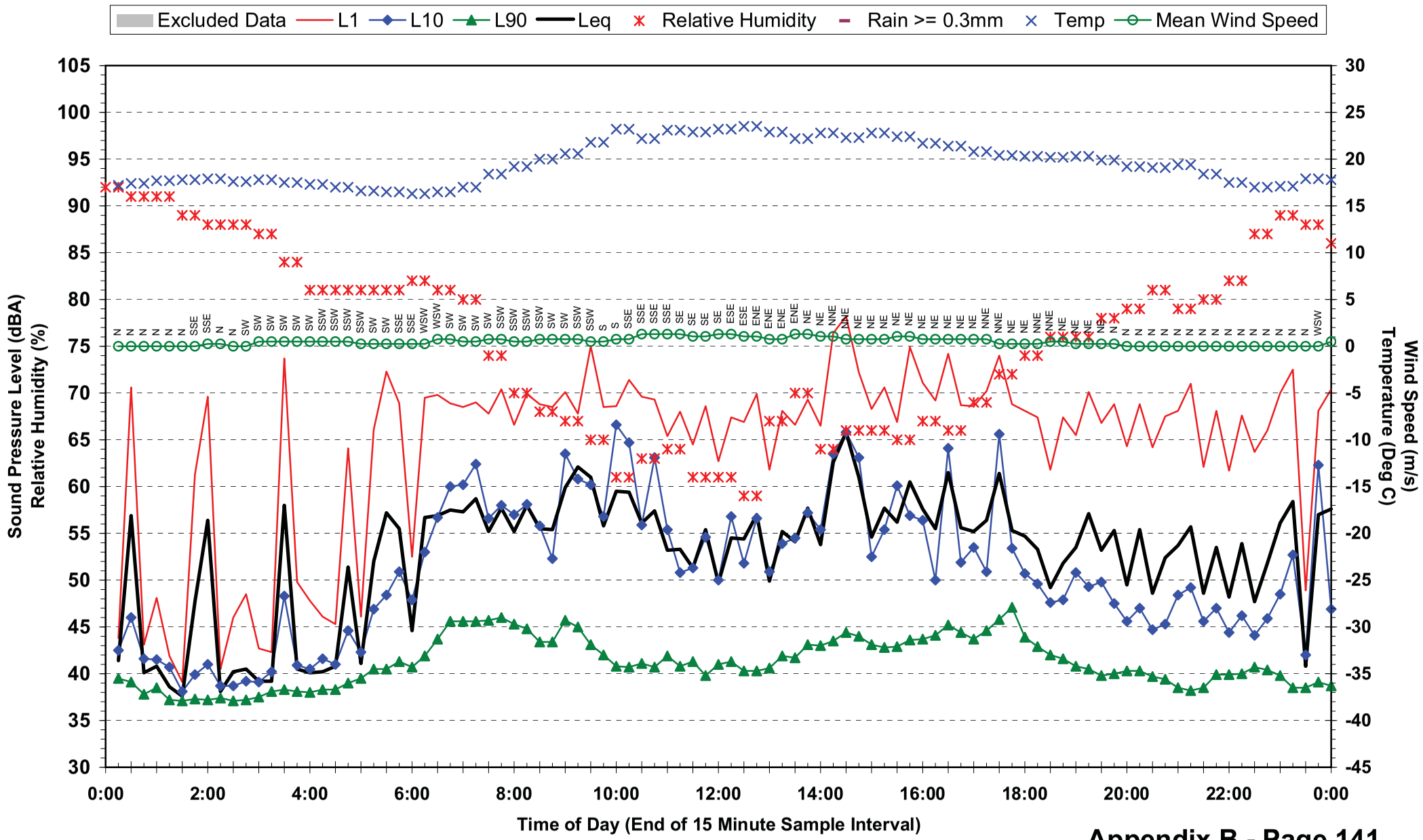
Statistical Ambient Noise Levels
Location 14 - 17 Lagonda St - Saturday 8 May 2010



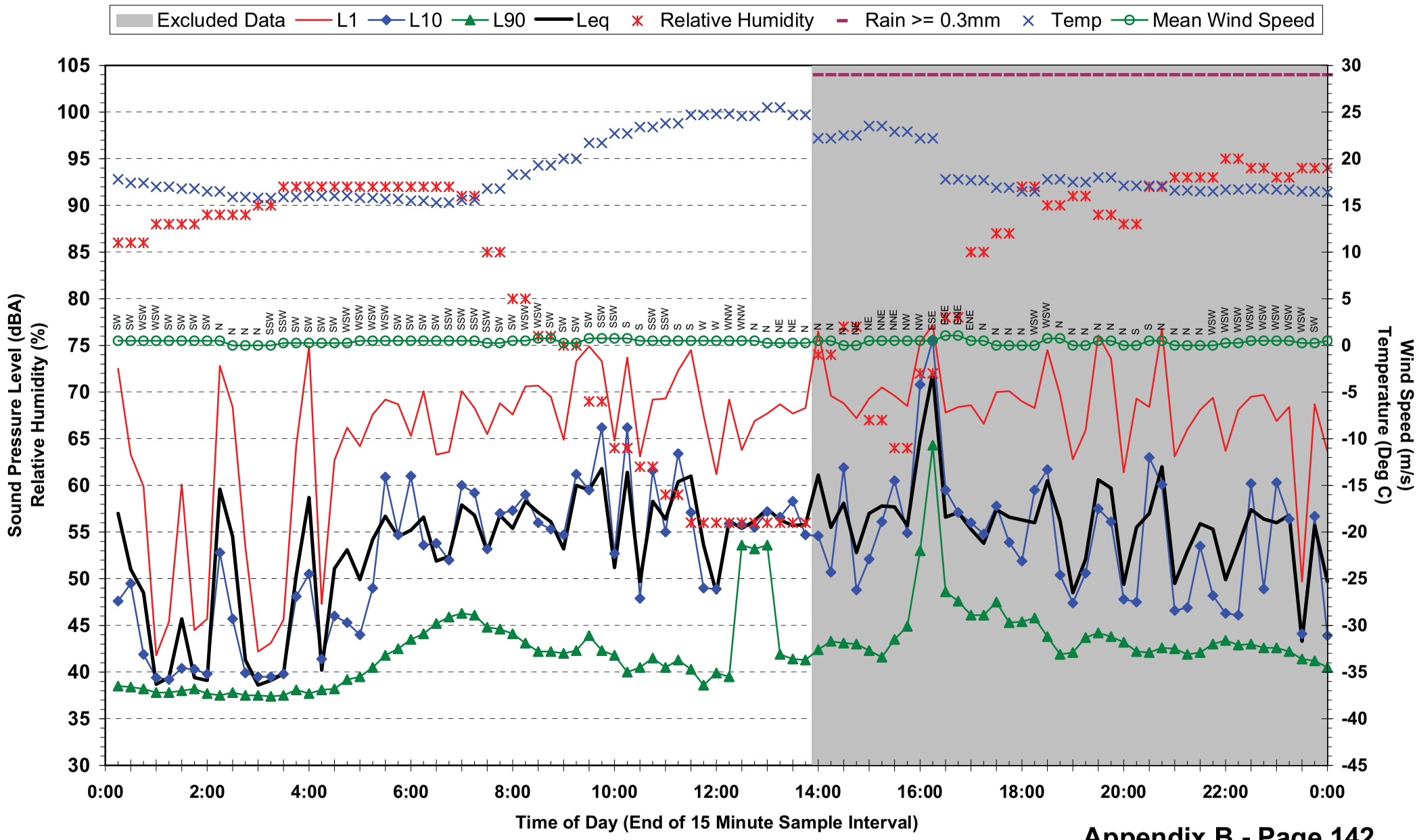
Statistical Ambient Noise Levels
Location 14 - 17 Lagonda St - Sunday 9 May 2010



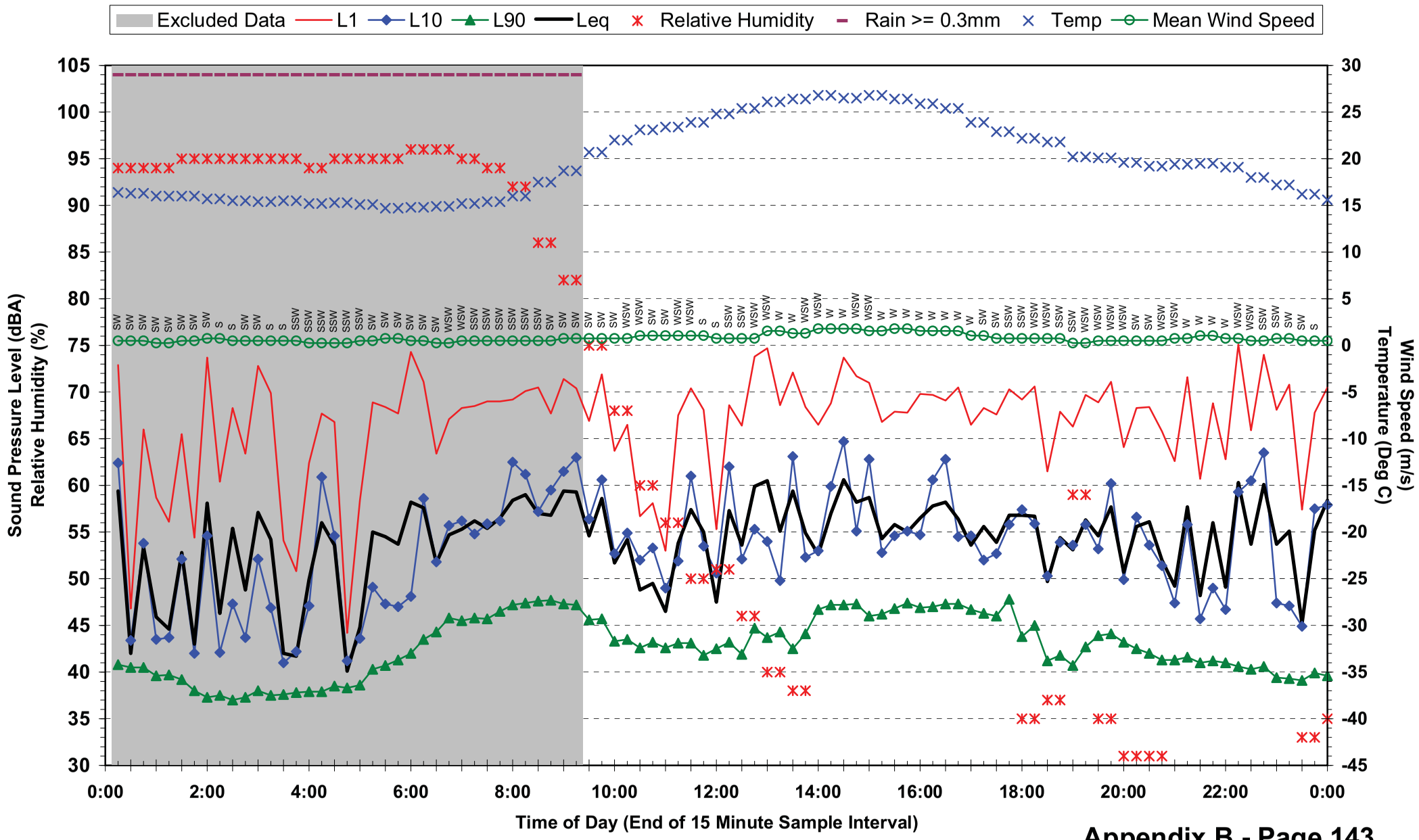
Statistical Ambient Noise Levels
Location 14 - 17 Lagonda St - Monday 10 May 2010



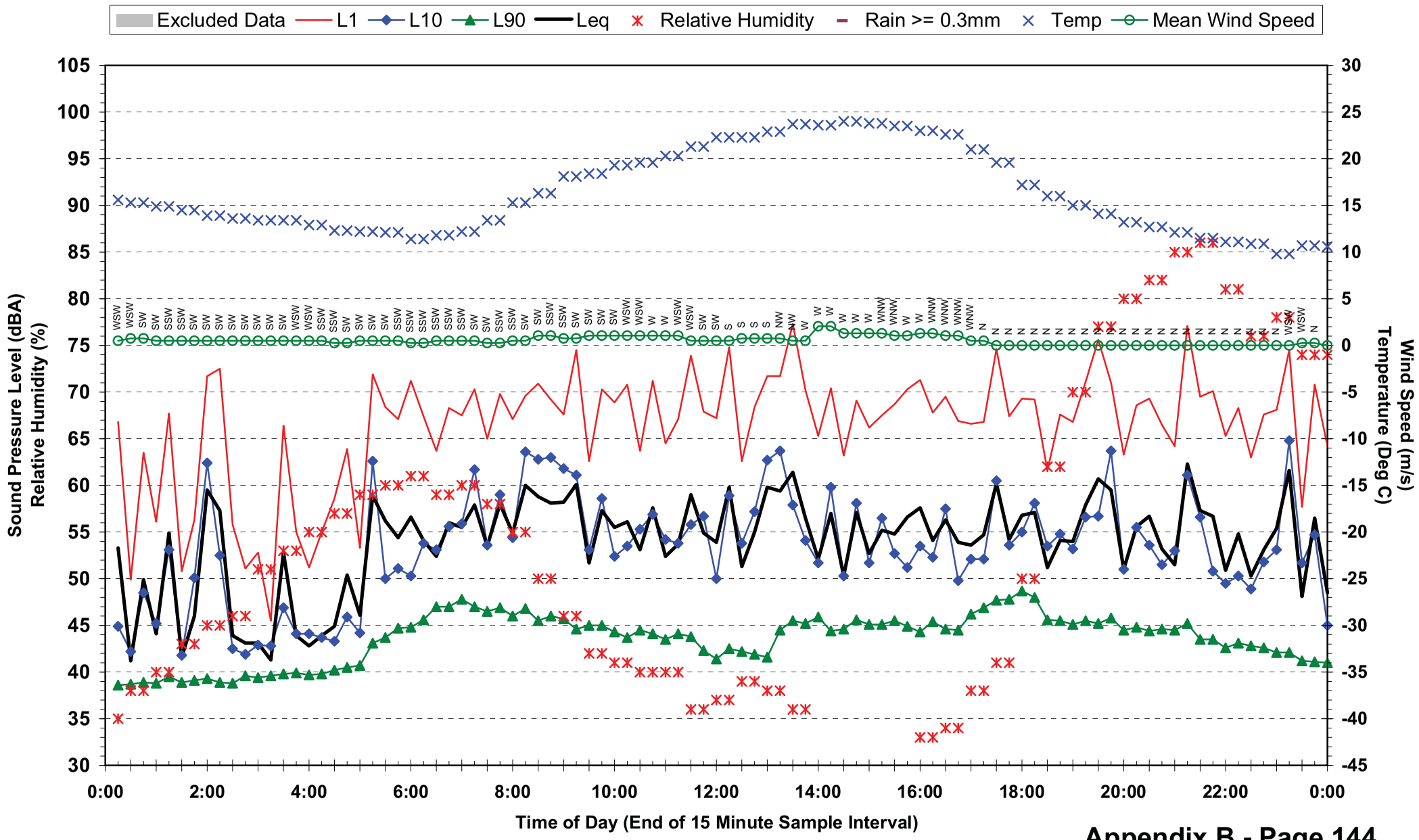
Statistical Ambient Noise Levels
Location 14 - 17 Lagonda St - Tuesday 11 May 2010



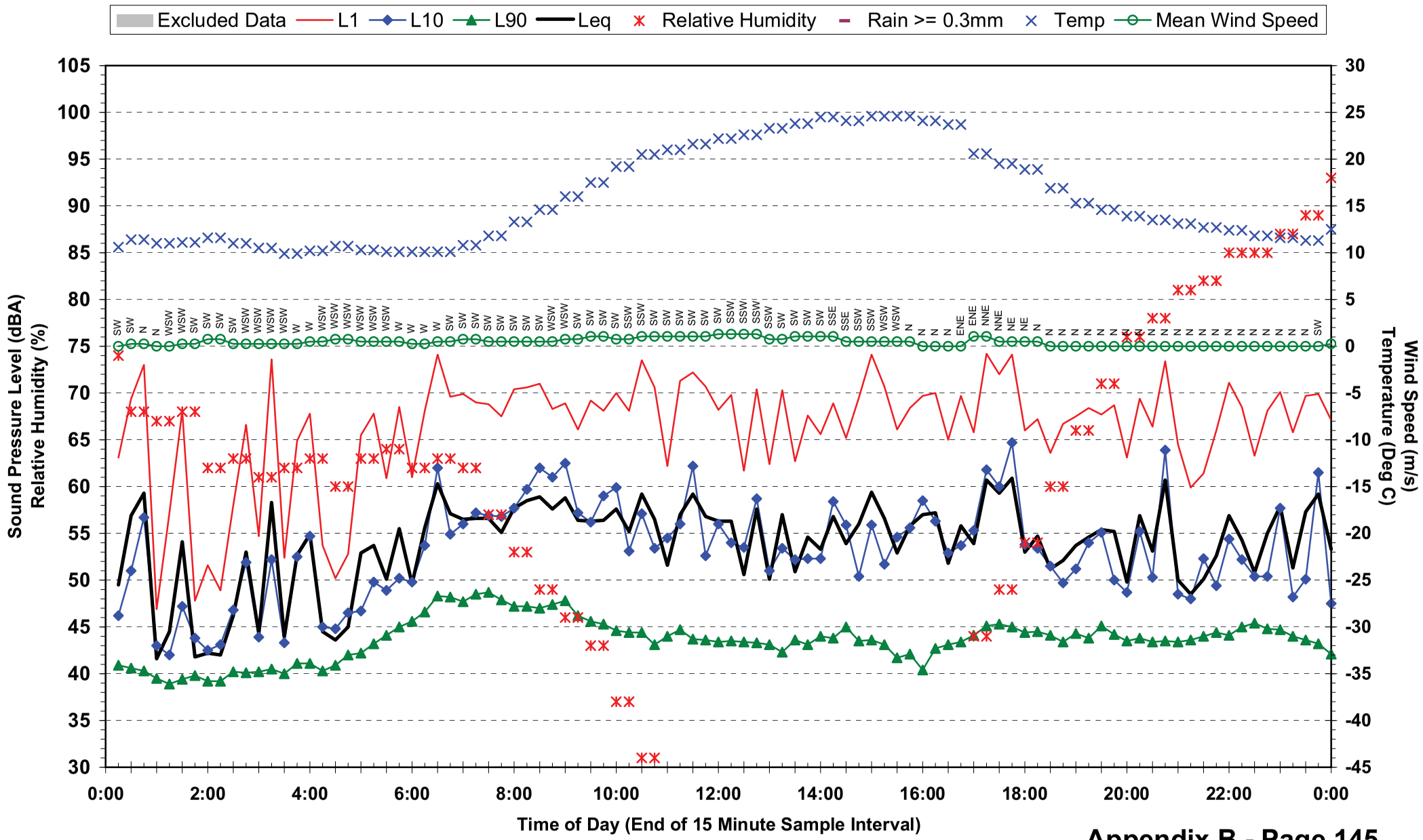
Statistical Ambient Noise Levels
Location 14 - 17 Lagonda St - Wednesday 12 May 2010



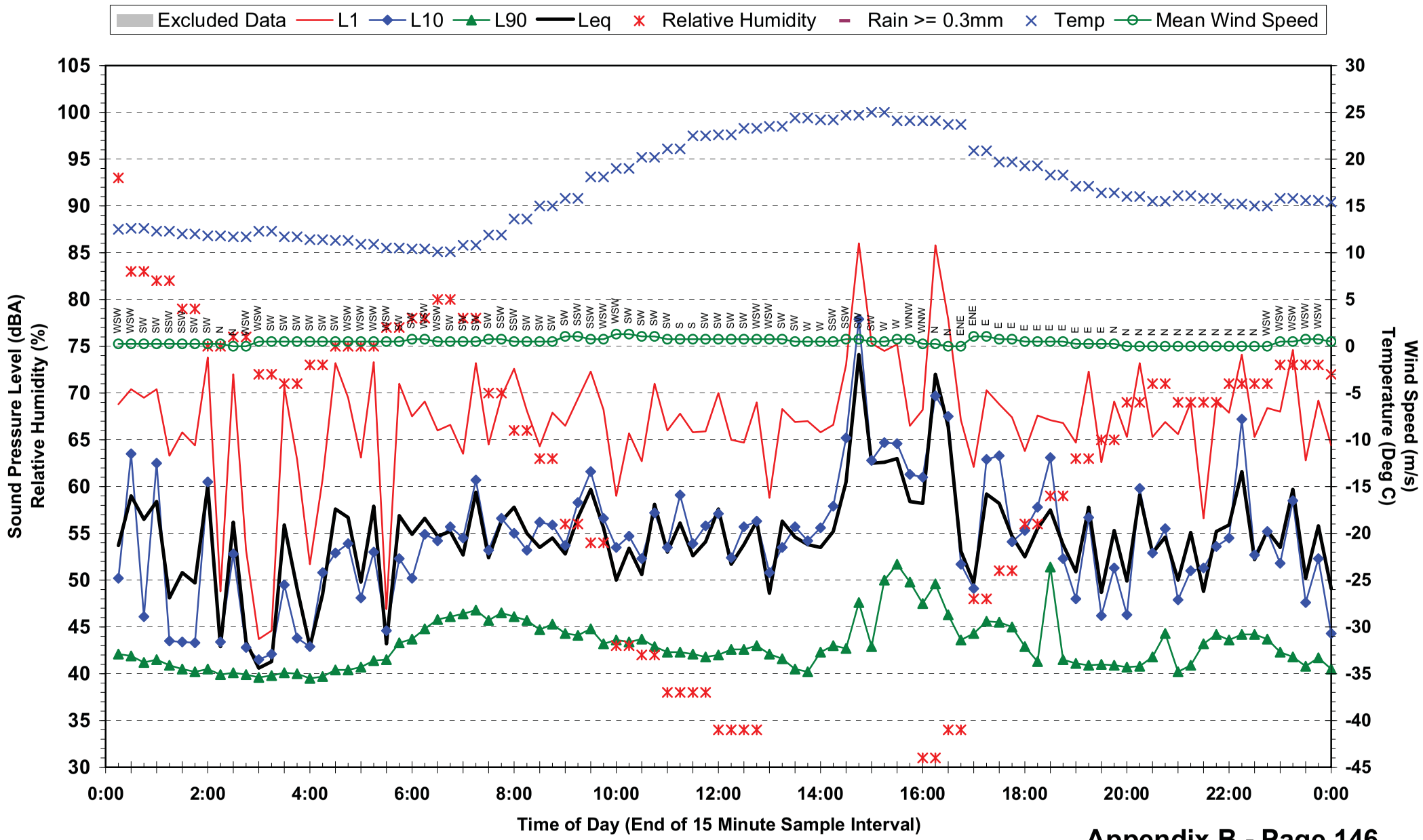
Statistical Ambient Noise Levels
Location 14 - 17 Lagonda St - Thursday 13 May 2010



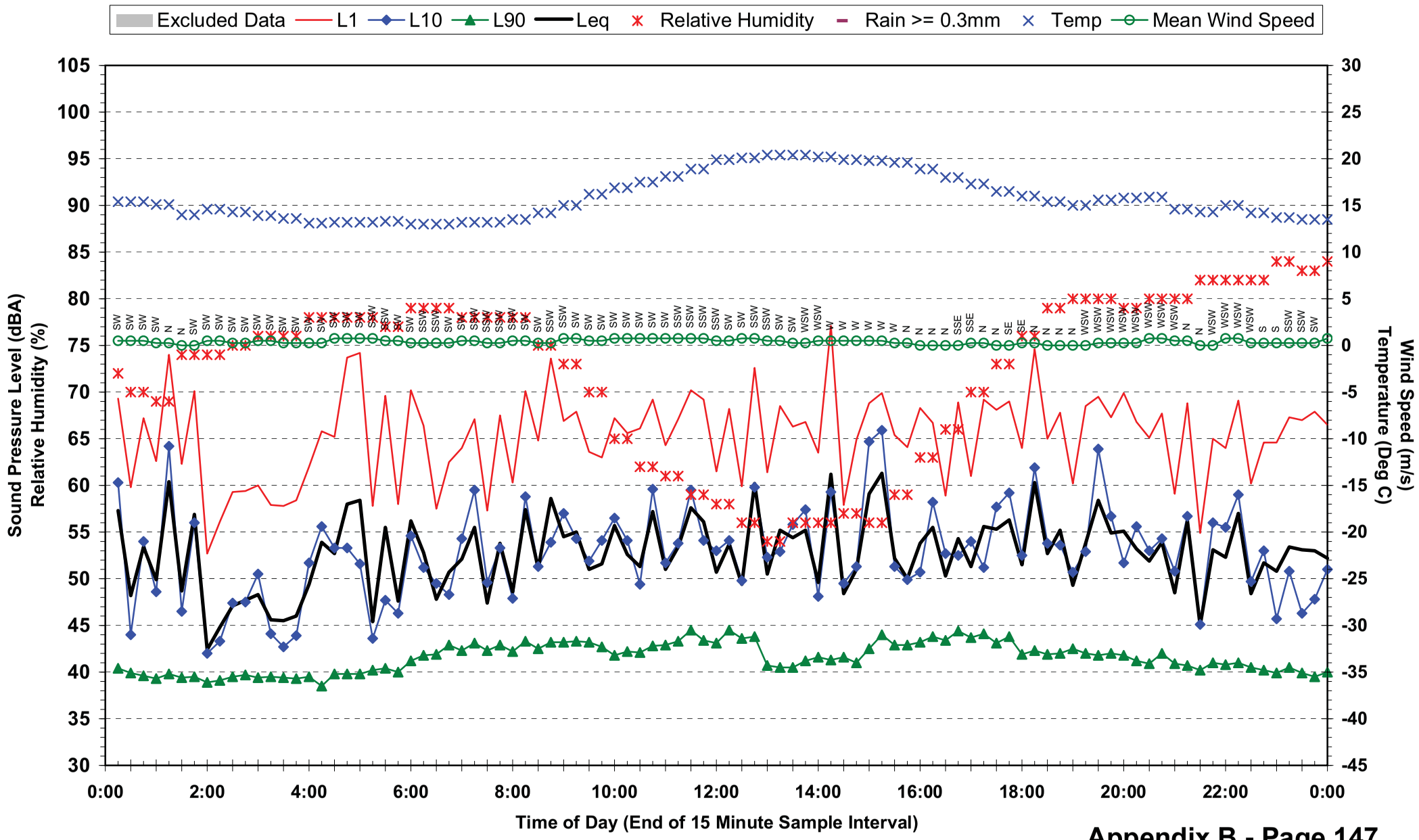
Statistical Ambient Noise Levels
Location 14 - 17 Lagonda St - Friday 14 May 2010



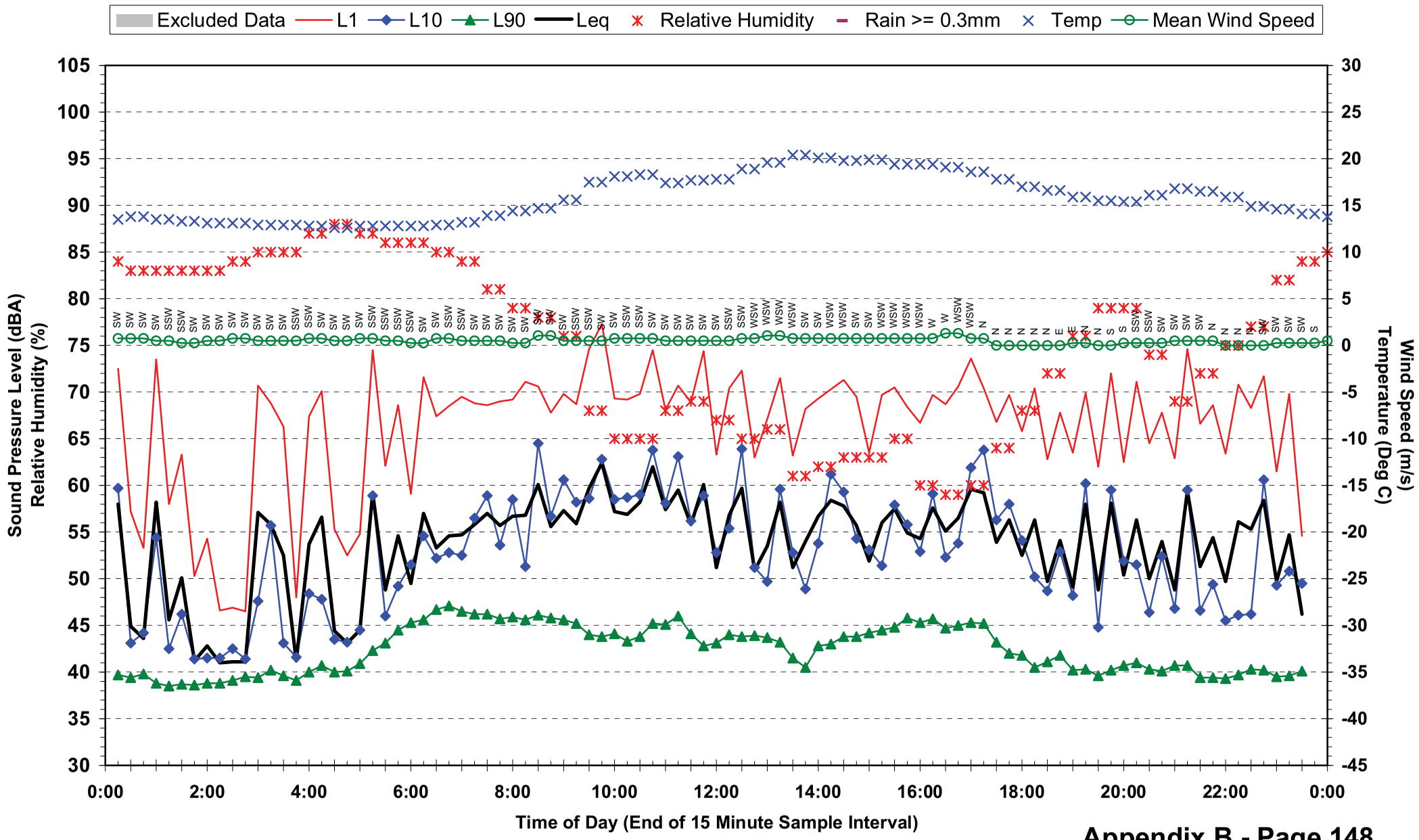
Statistical Ambient Noise Levels
Location 14 - 17 Lagonda St - Saturday 15 May 2010



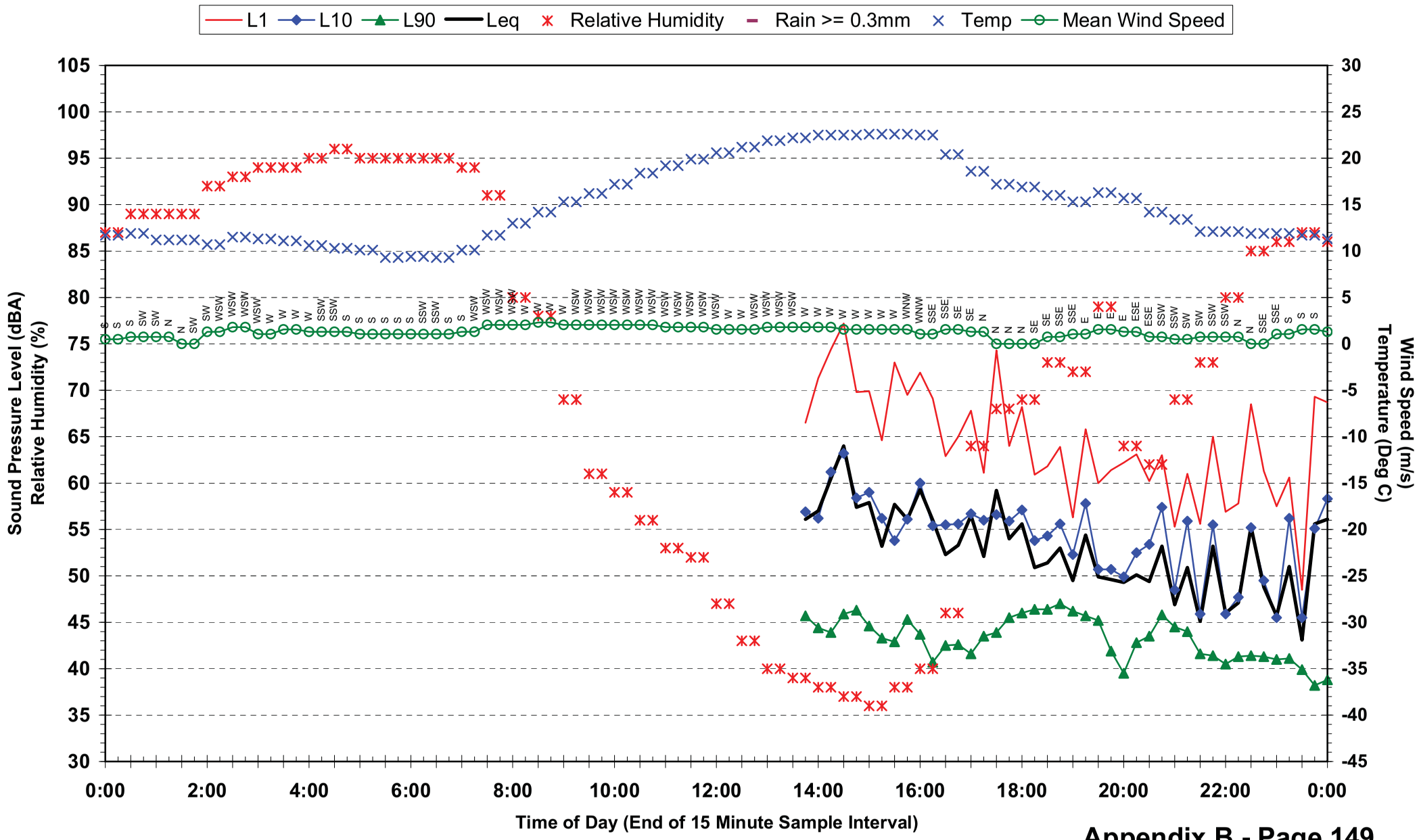
Statistical Ambient Noise Levels
Location 14 - 17 Lagonda St - Sunday 16 May 2010



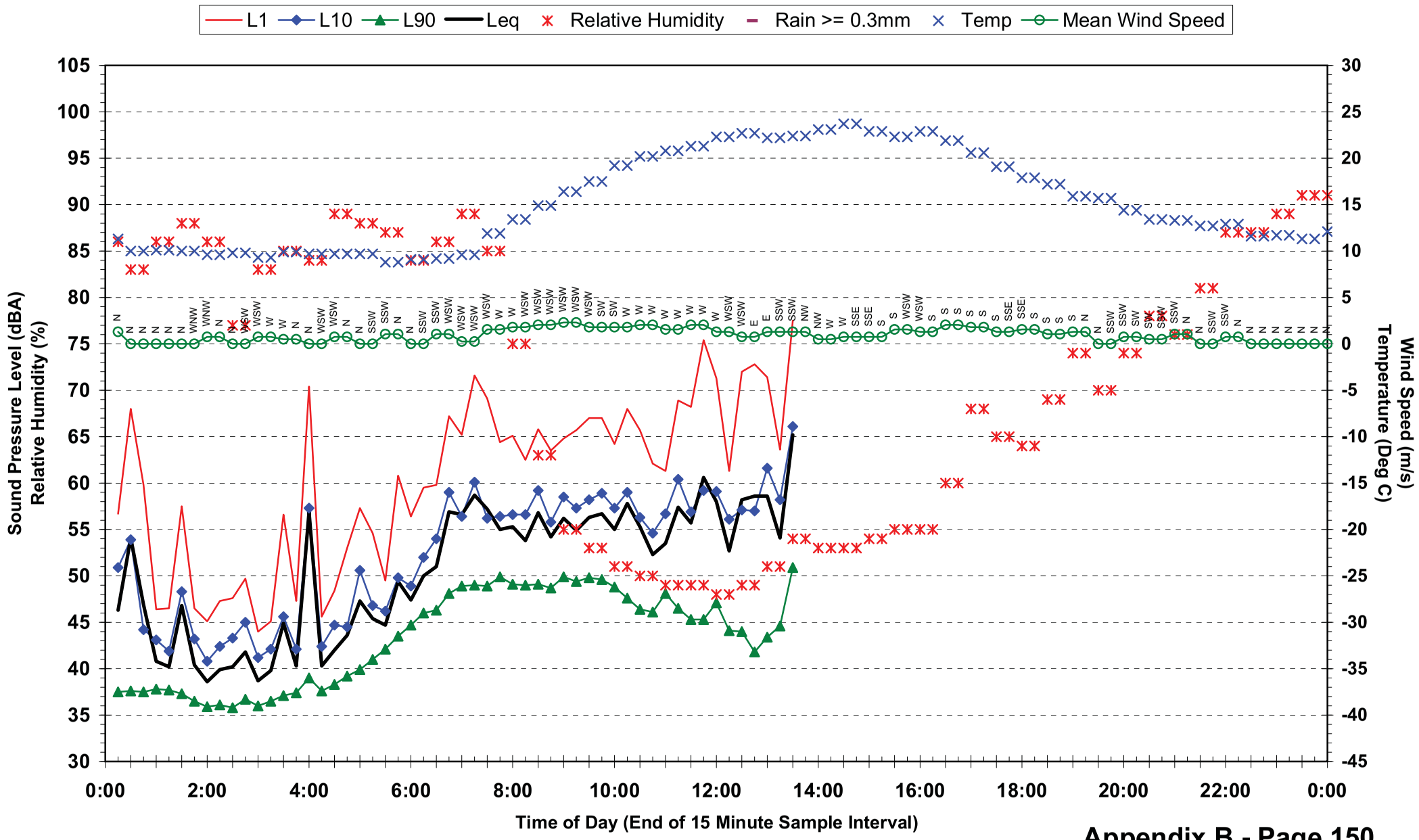
Statistical Ambient Noise Levels
Location 14 - 17 Lagonda St - Monday 17 May 2010



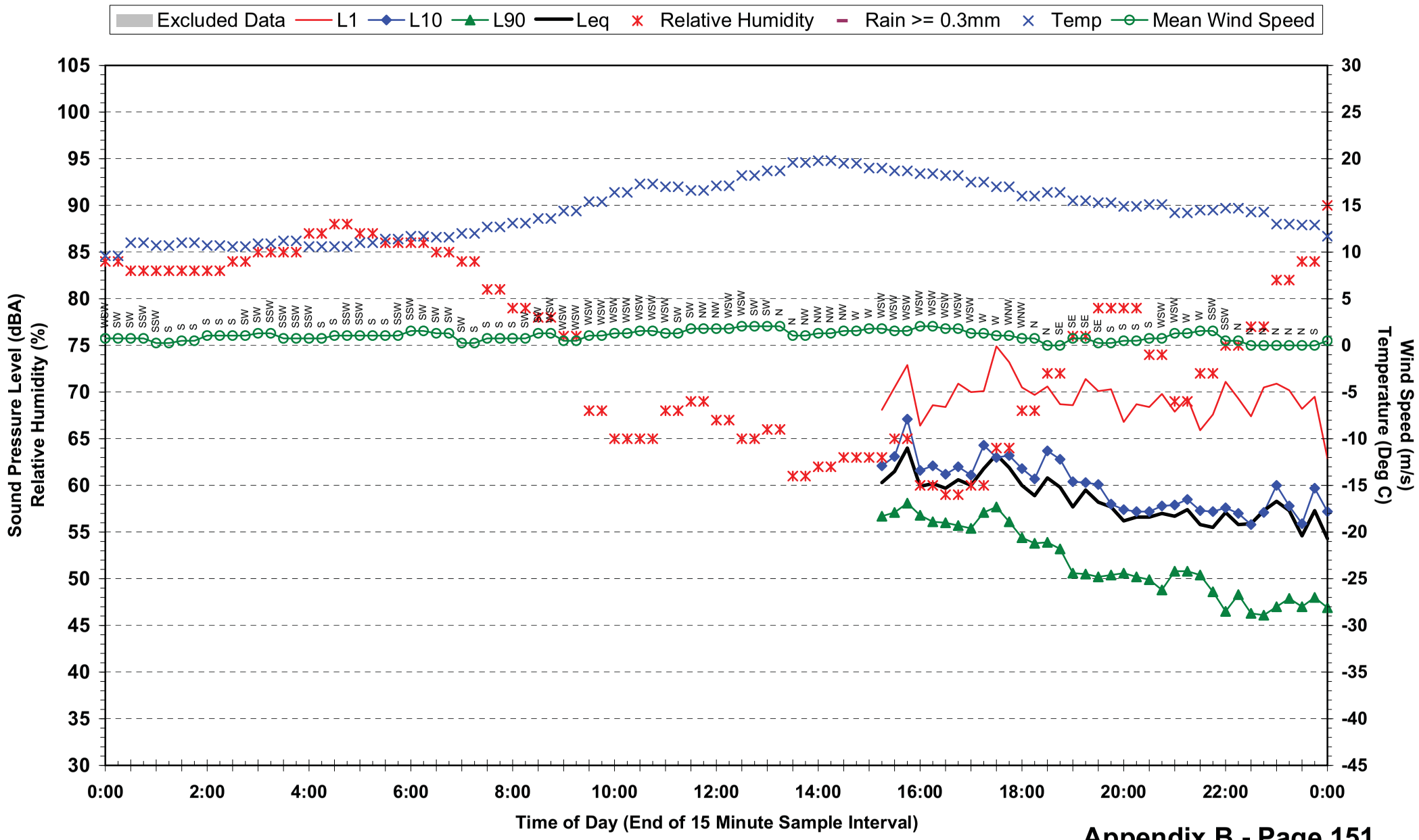
Statistical Ambient Noise Levels
Location 15 - Yeronga State High School - Tuesday 18 May 2010



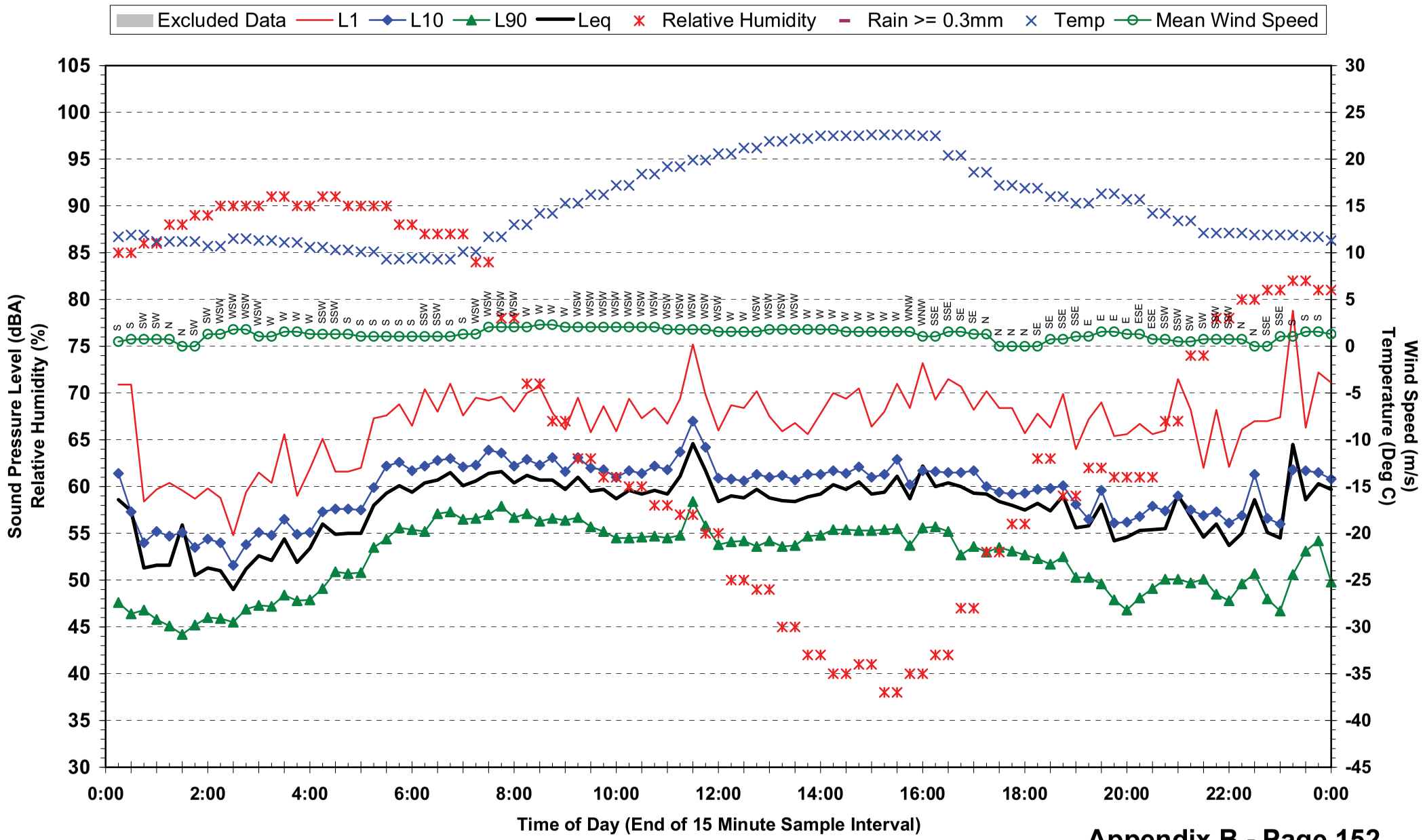
Statistical Ambient Noise Levels
Location 15 - Yeronga State High School - Wednesday 19 May 2010



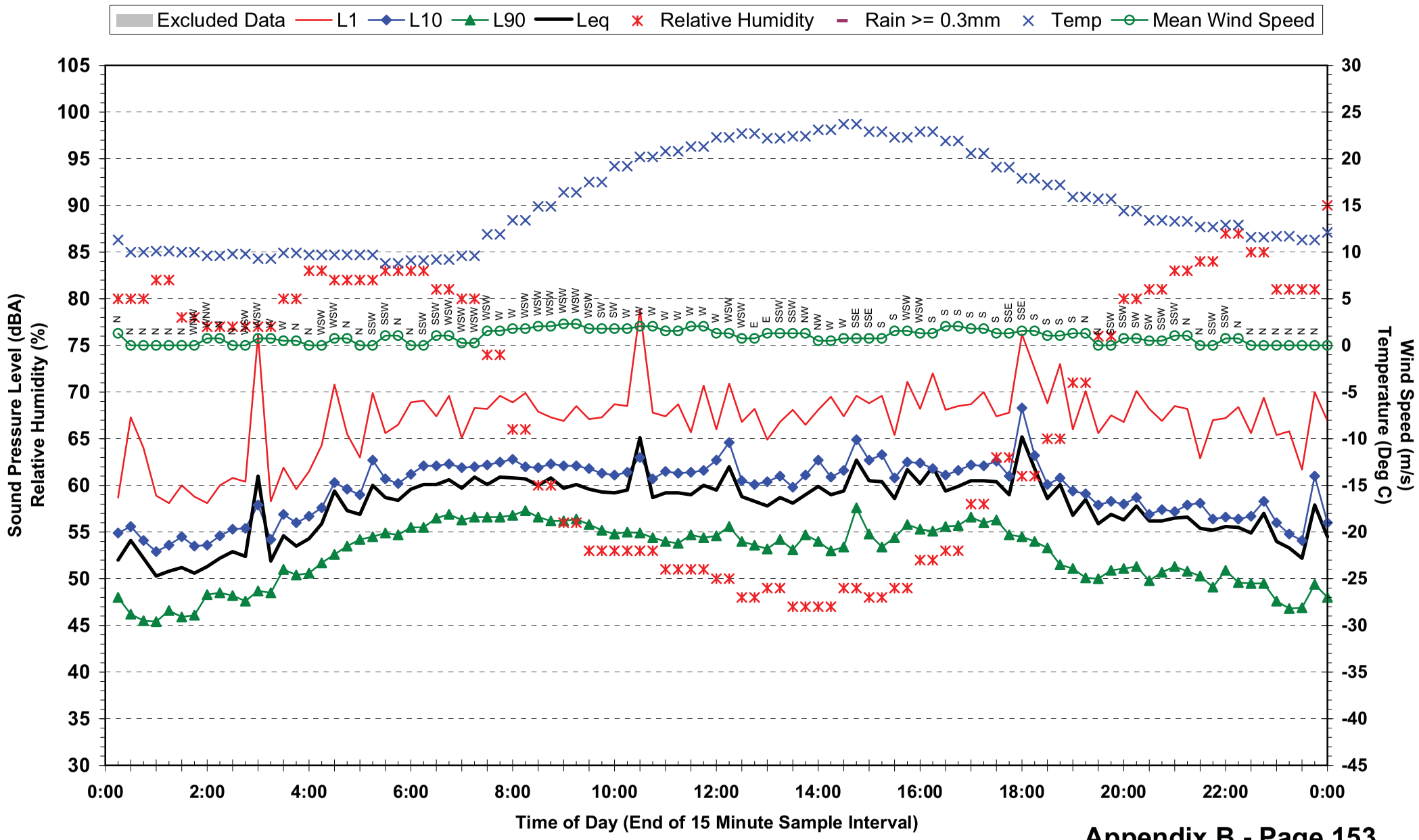
Statistical Ambient Noise Levels
Location 15 - 1223 Ipswich Mwy - Monday 17 May 2010



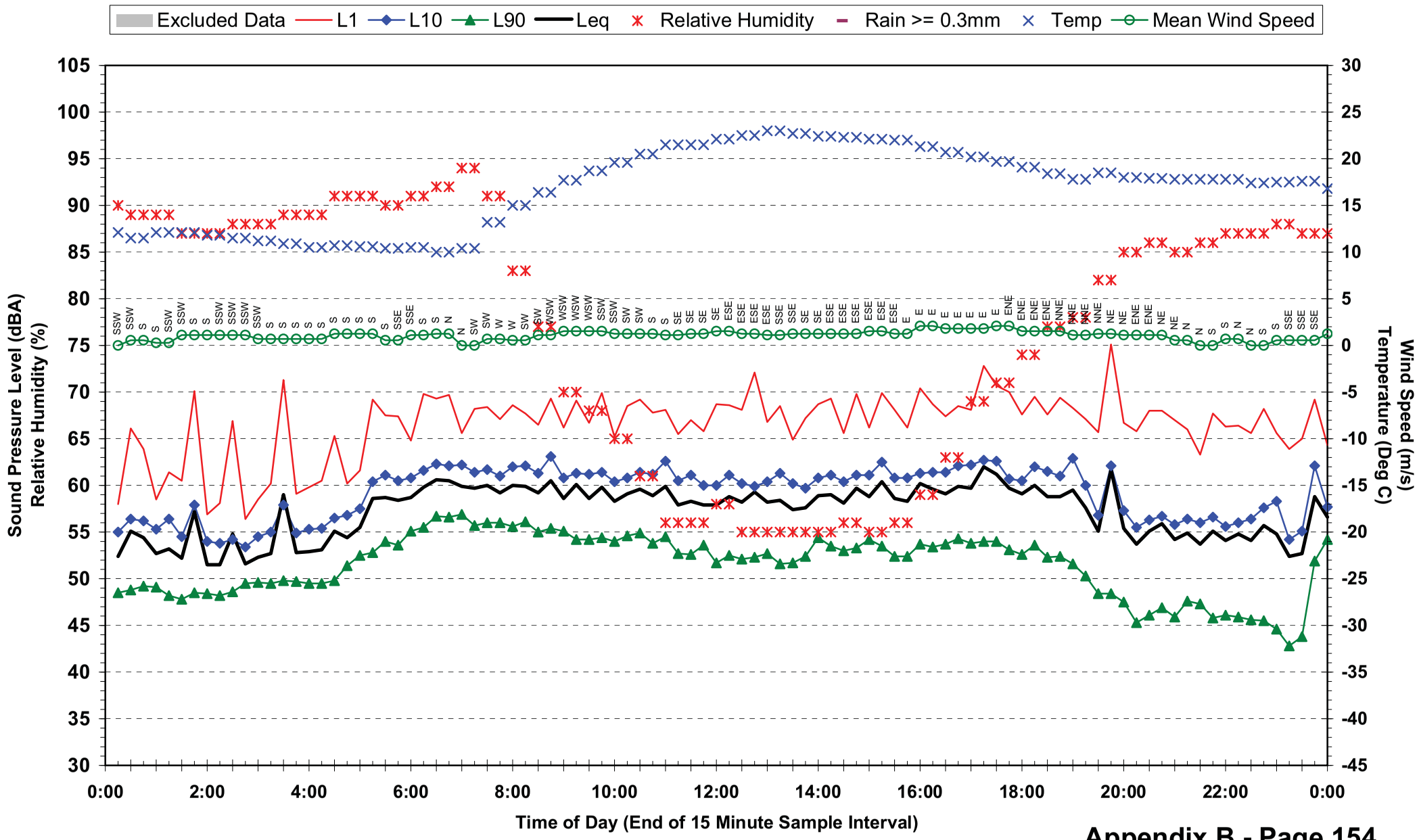
Statistical Ambient Noise Levels
Location 15 - 1223 Ipswich Mwy - Tuesday 18 May 2010



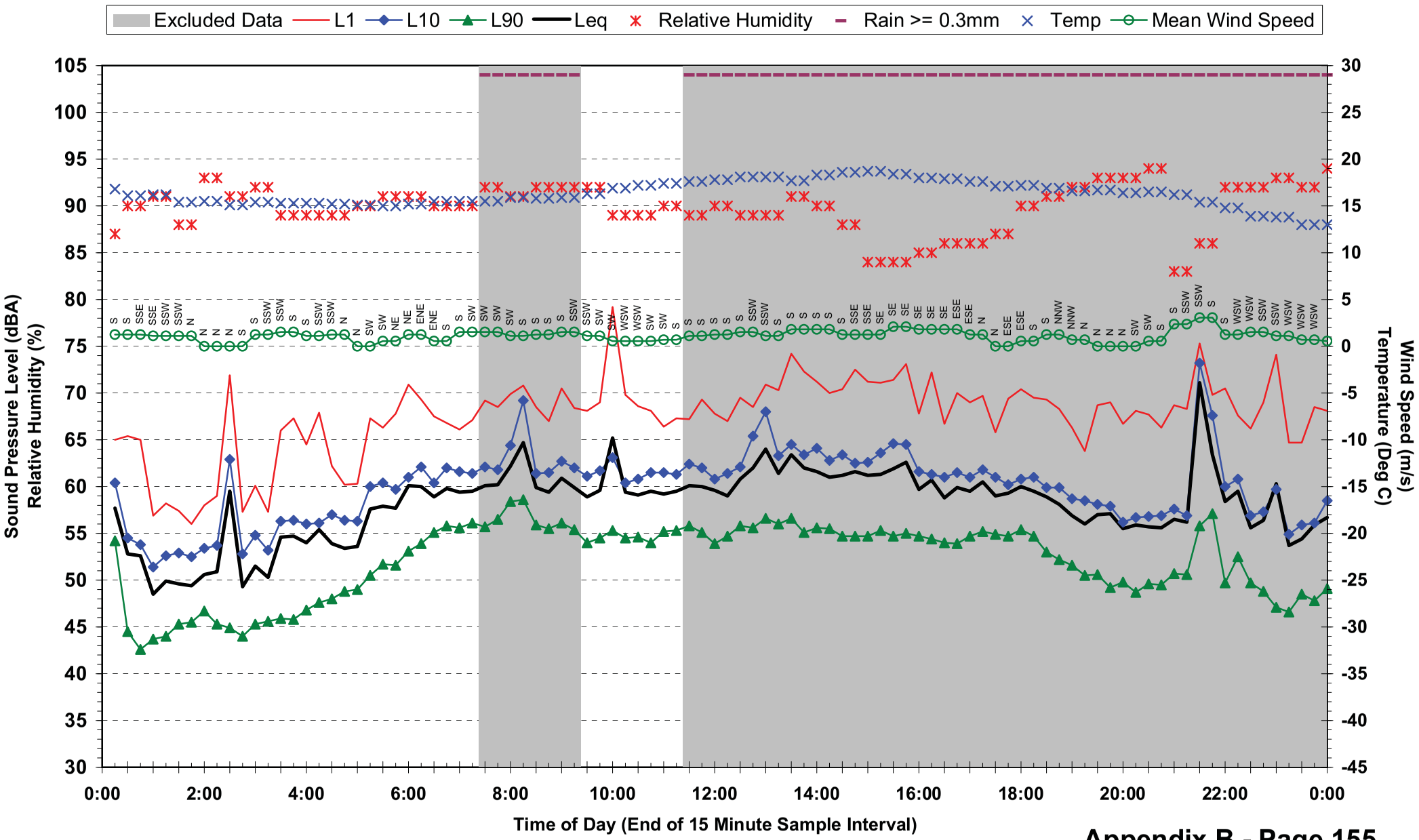
Statistical Ambient Noise Levels
Location 15 - 1223 Ipswich Mwy - Wednesday 19 May 2010



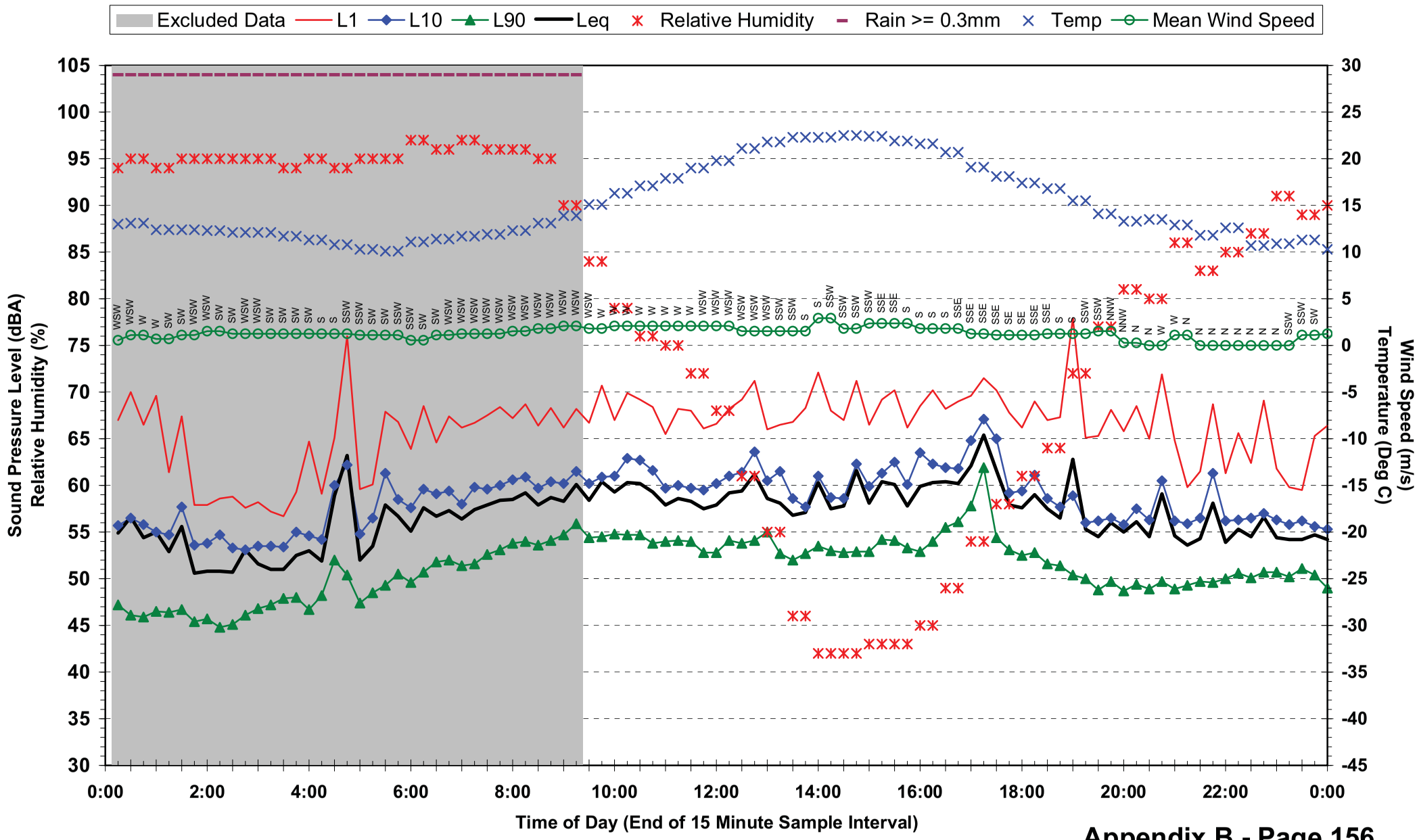
Statistical Ambient Noise Levels
Location 15 - 1223 Ipswich Mwy - Thursday 20 May 2010



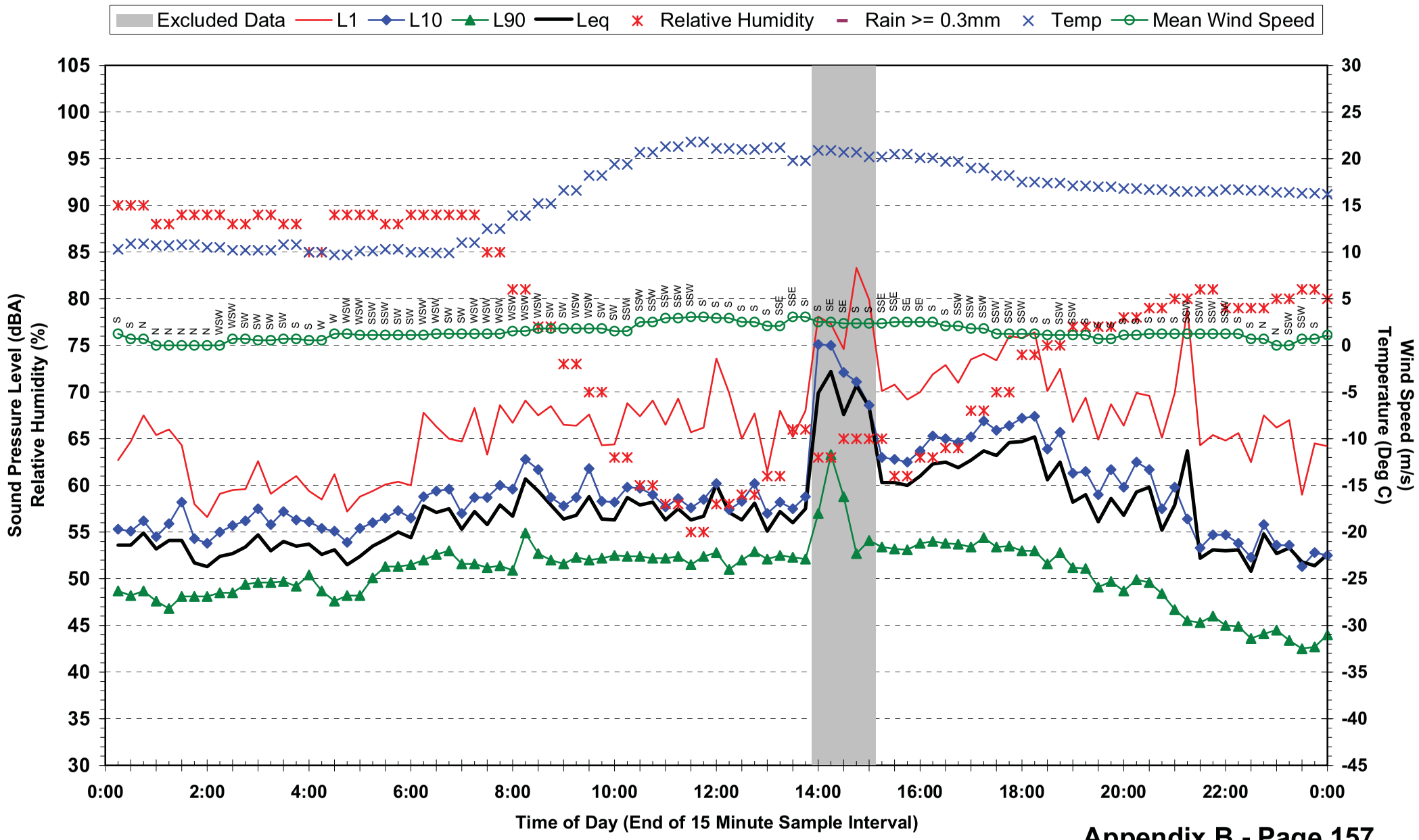
Statistical Ambient Noise Levels
Location 15 - 1223 Ipswich Mwy - Friday 21 May 2010



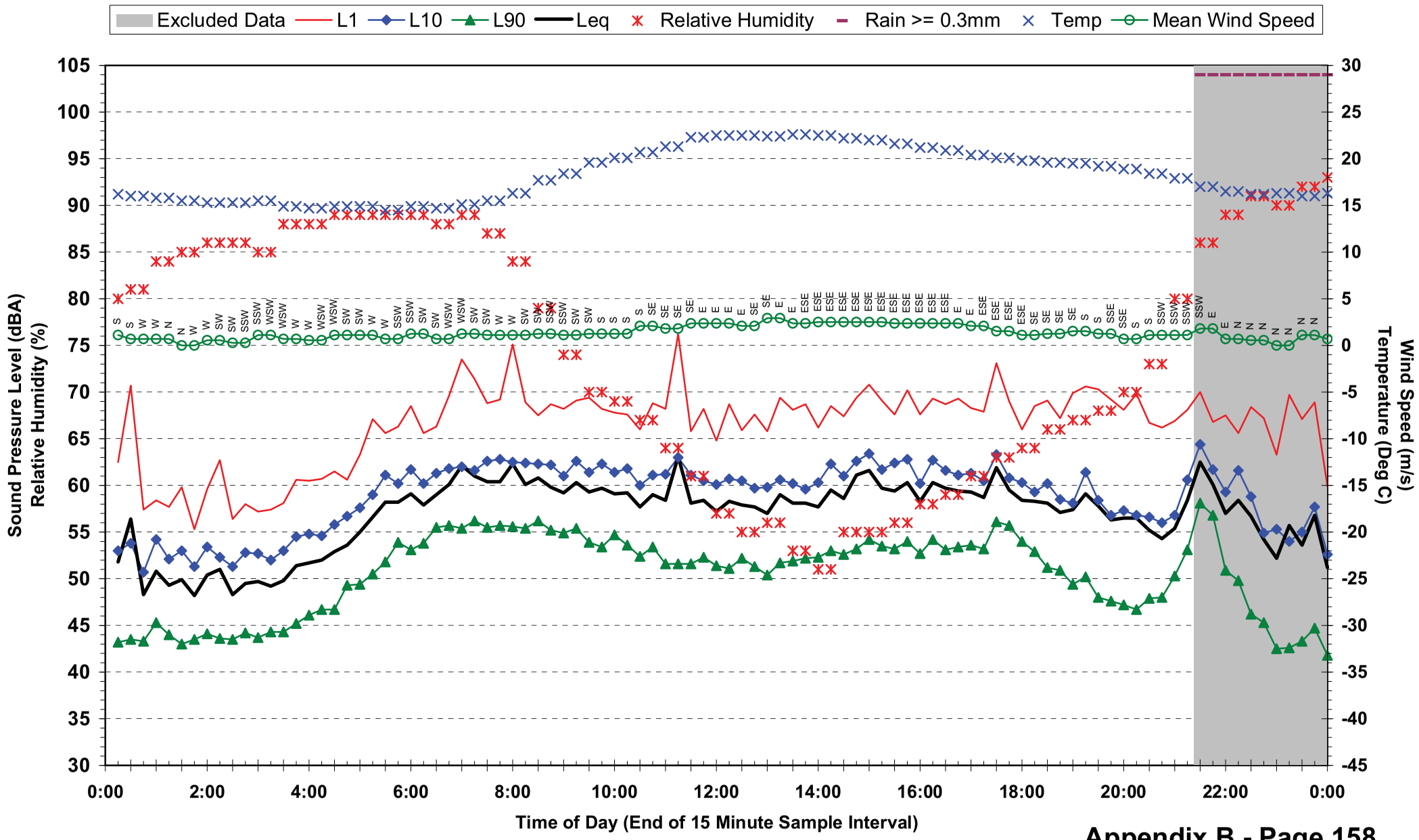
Statistical Ambient Noise Levels
Location 15 - 1223 Ipswich Mwy - Saturday 22 May 2010



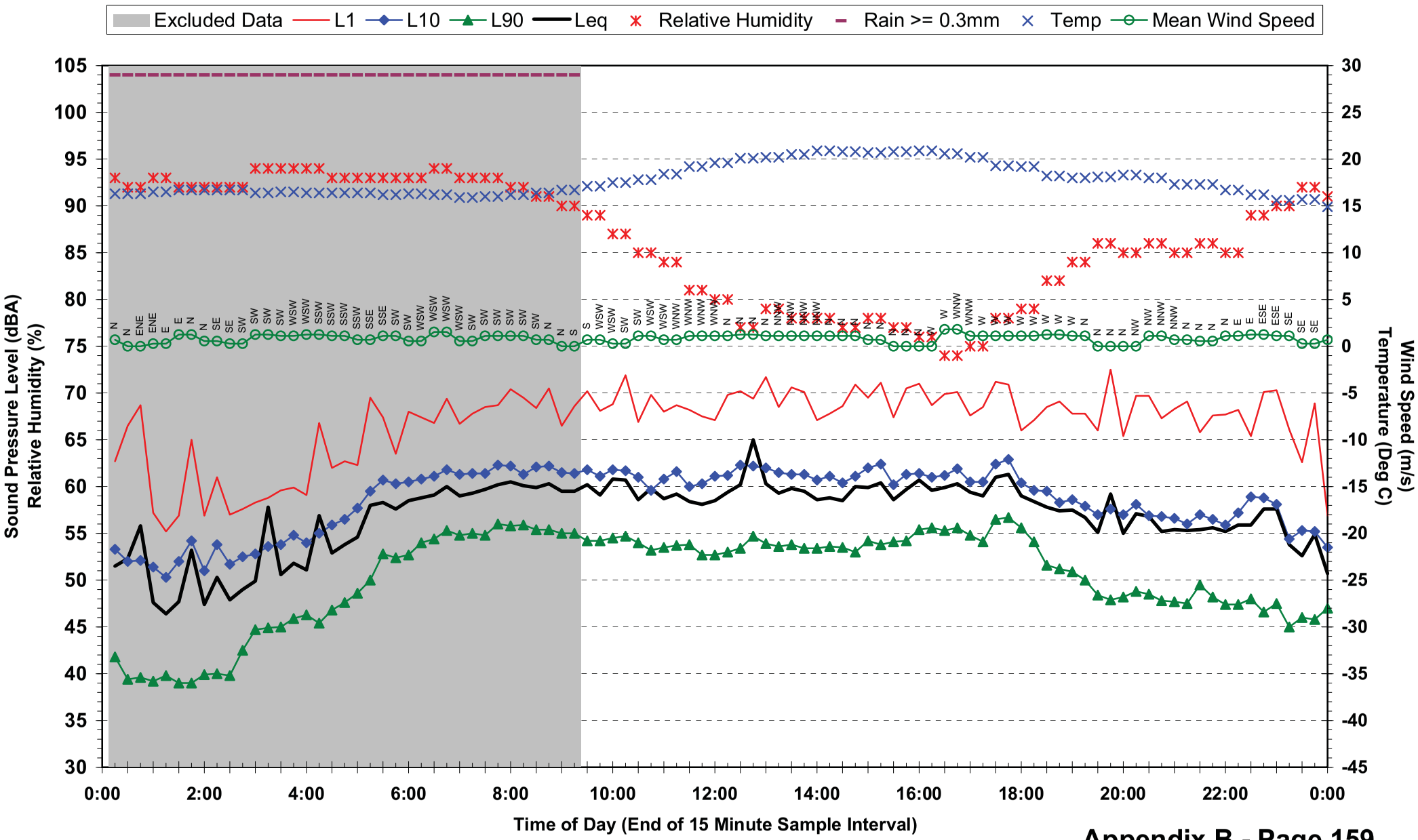
Statistical Ambient Noise Levels
Location 15 - 1223 Ipswich Mwy - Sunday 23 May 2010



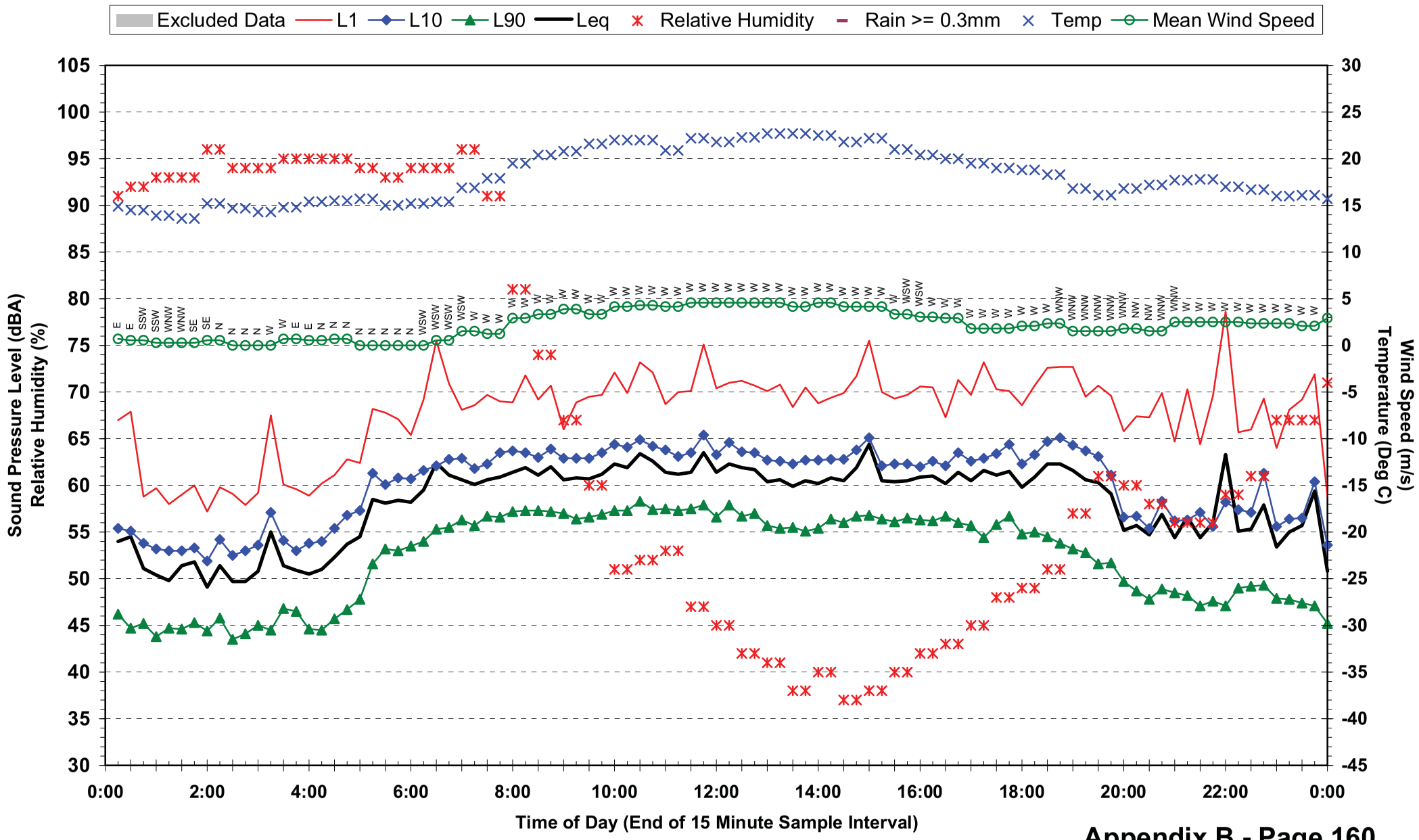
Statistical Ambient Noise Levels
Location 15 - 1223 Ipswich Mwy - Monday 24 May 2010



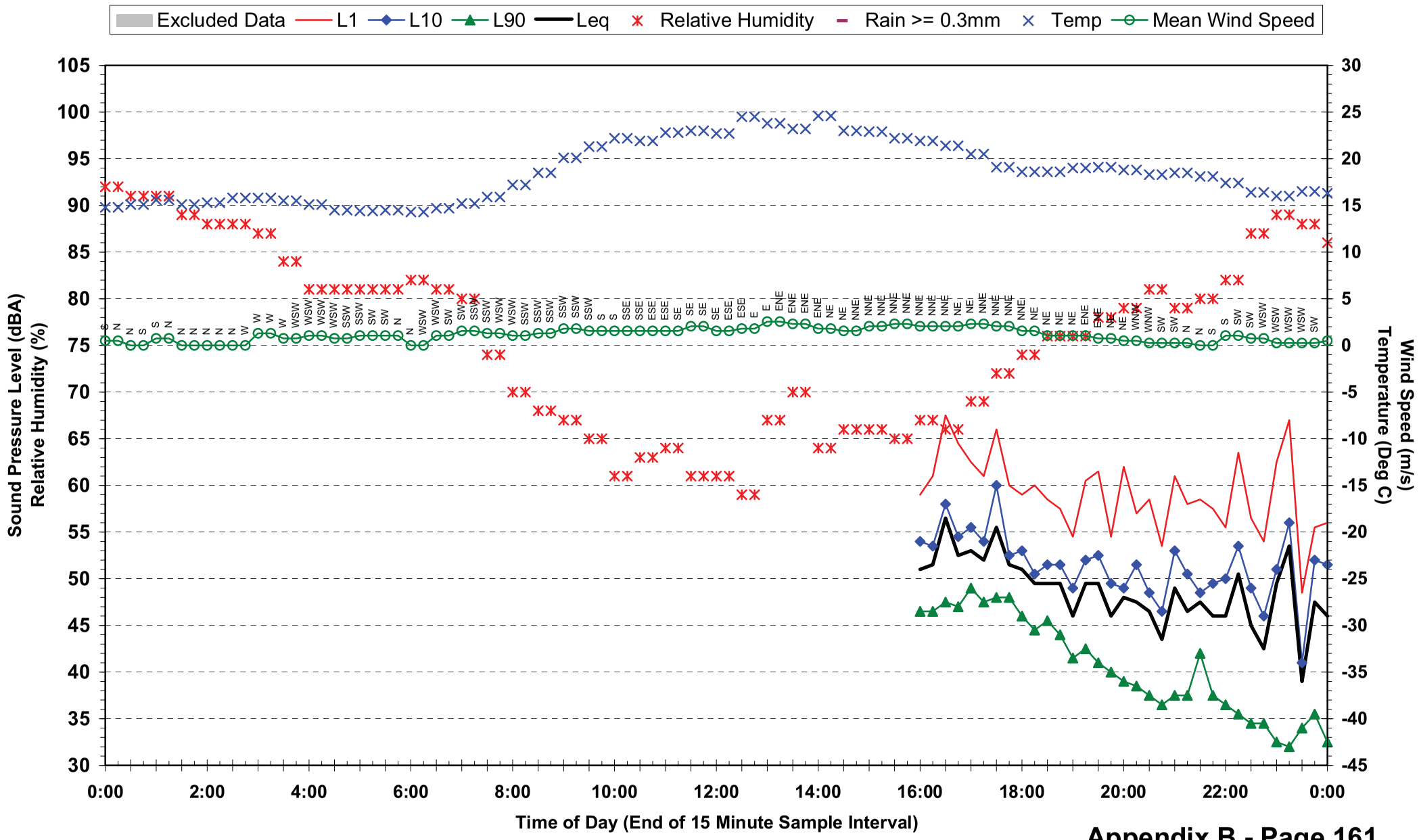
Statistical Ambient Noise Levels
Location 15 - 1223 Ipswich Mwy - Tuesday 25 May 2010



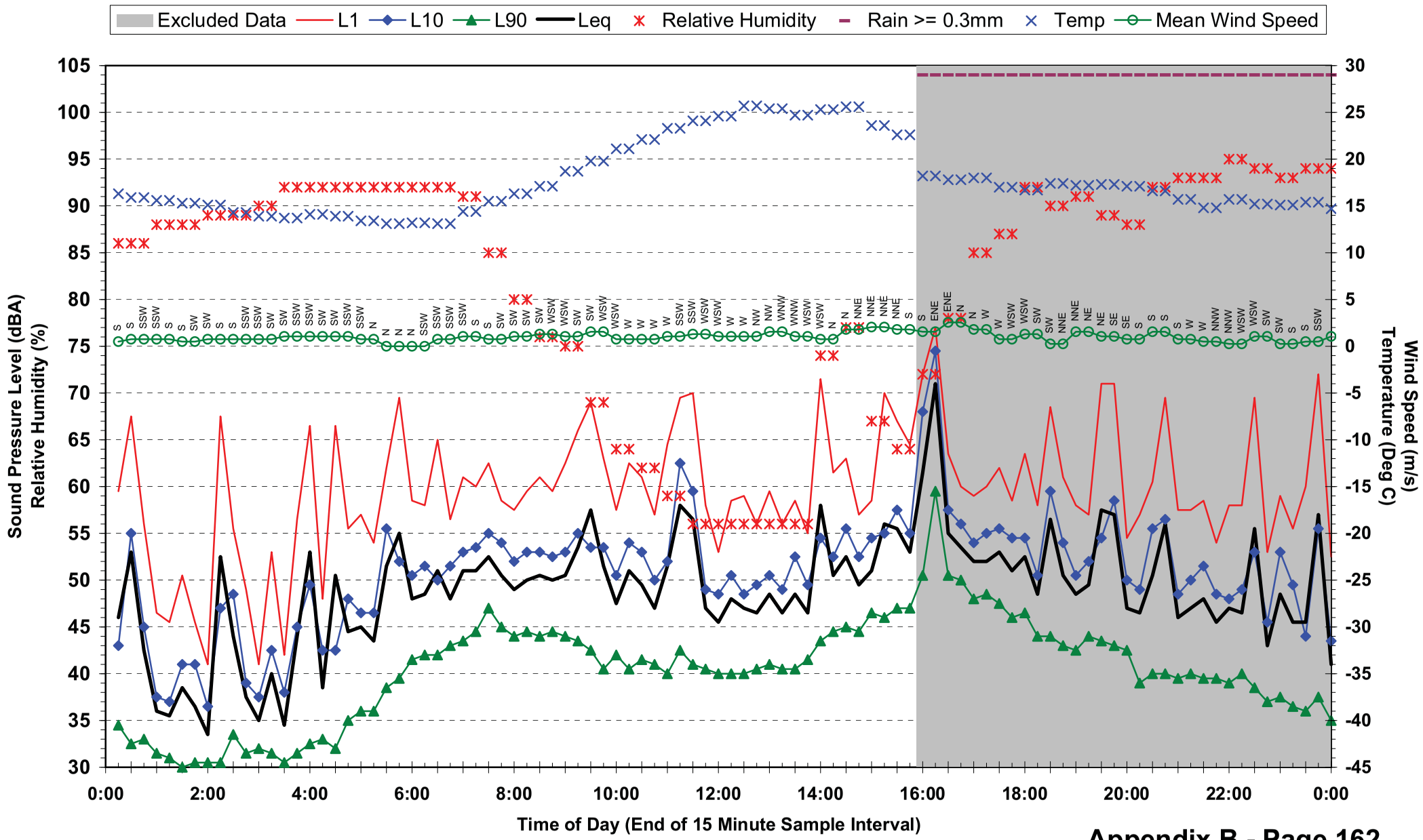
Statistical Ambient Noise Levels
Location 15 - 1223 Ipswich Mwy - Wednesday 26 May 2010



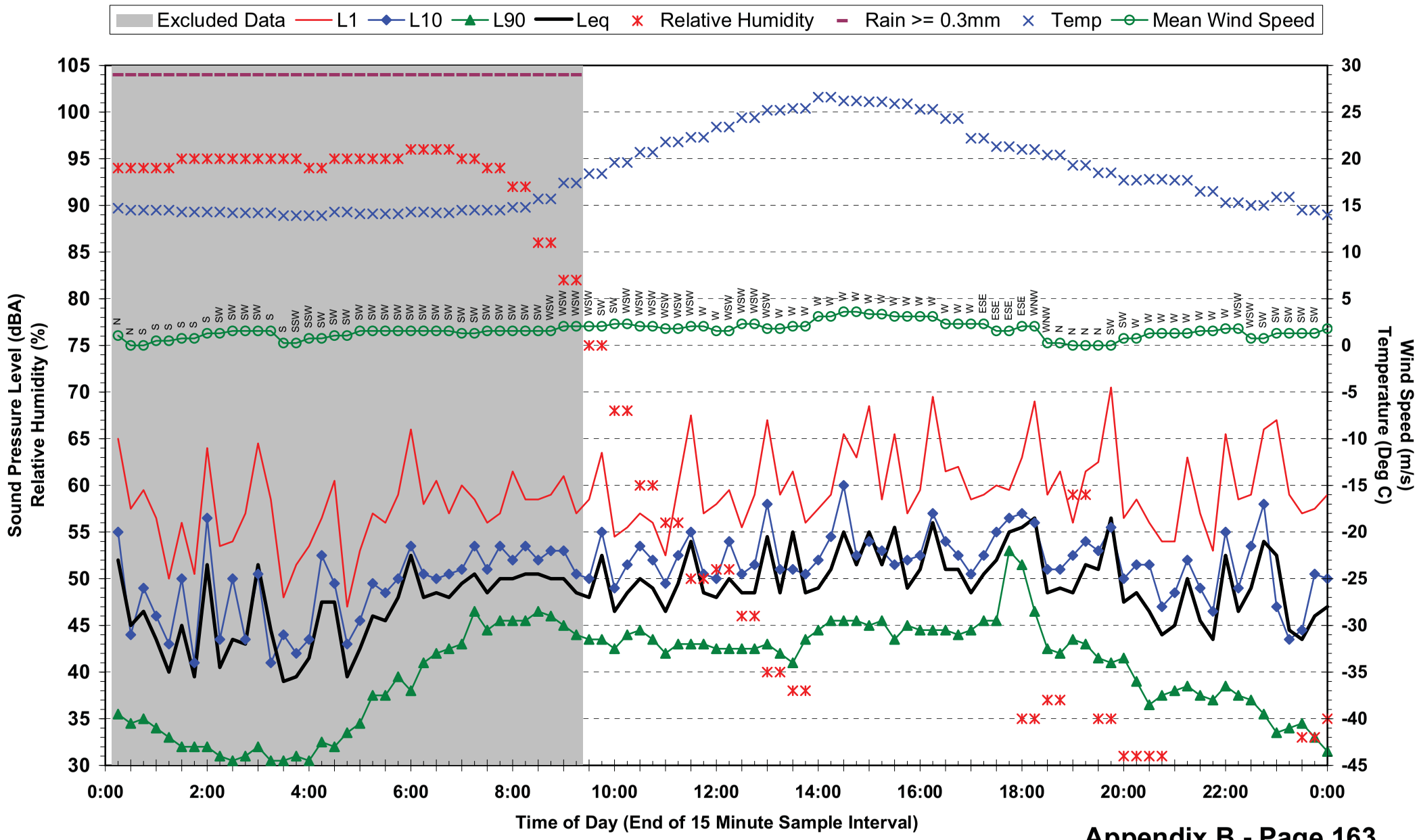
Statistical Ambient Noise Levels
Location 16 - 3 Cardross St - Monday 10 May 2010



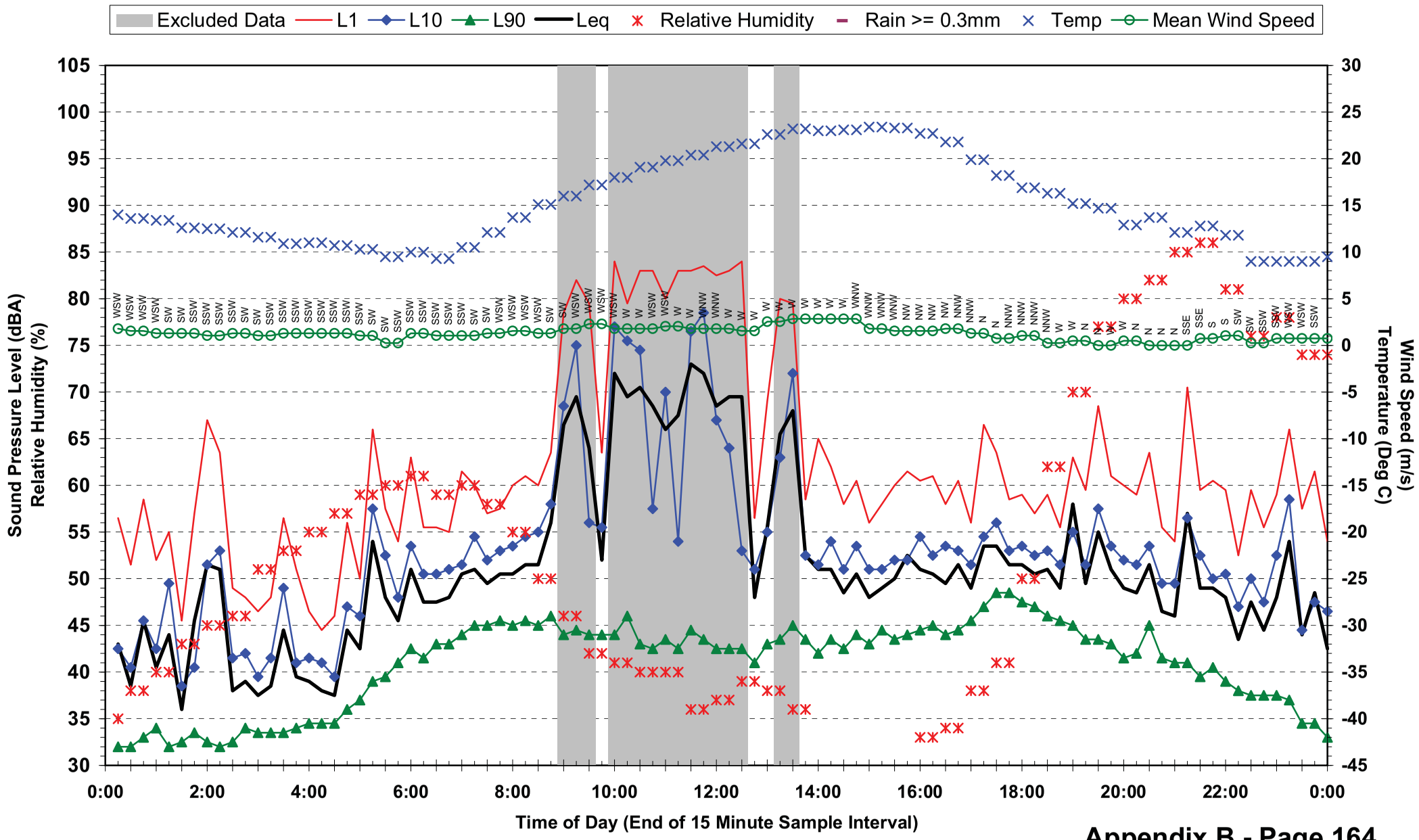
Statistical Ambient Noise Levels
Location 16 - 3 Cardross St - Tuesday 11 May 2010



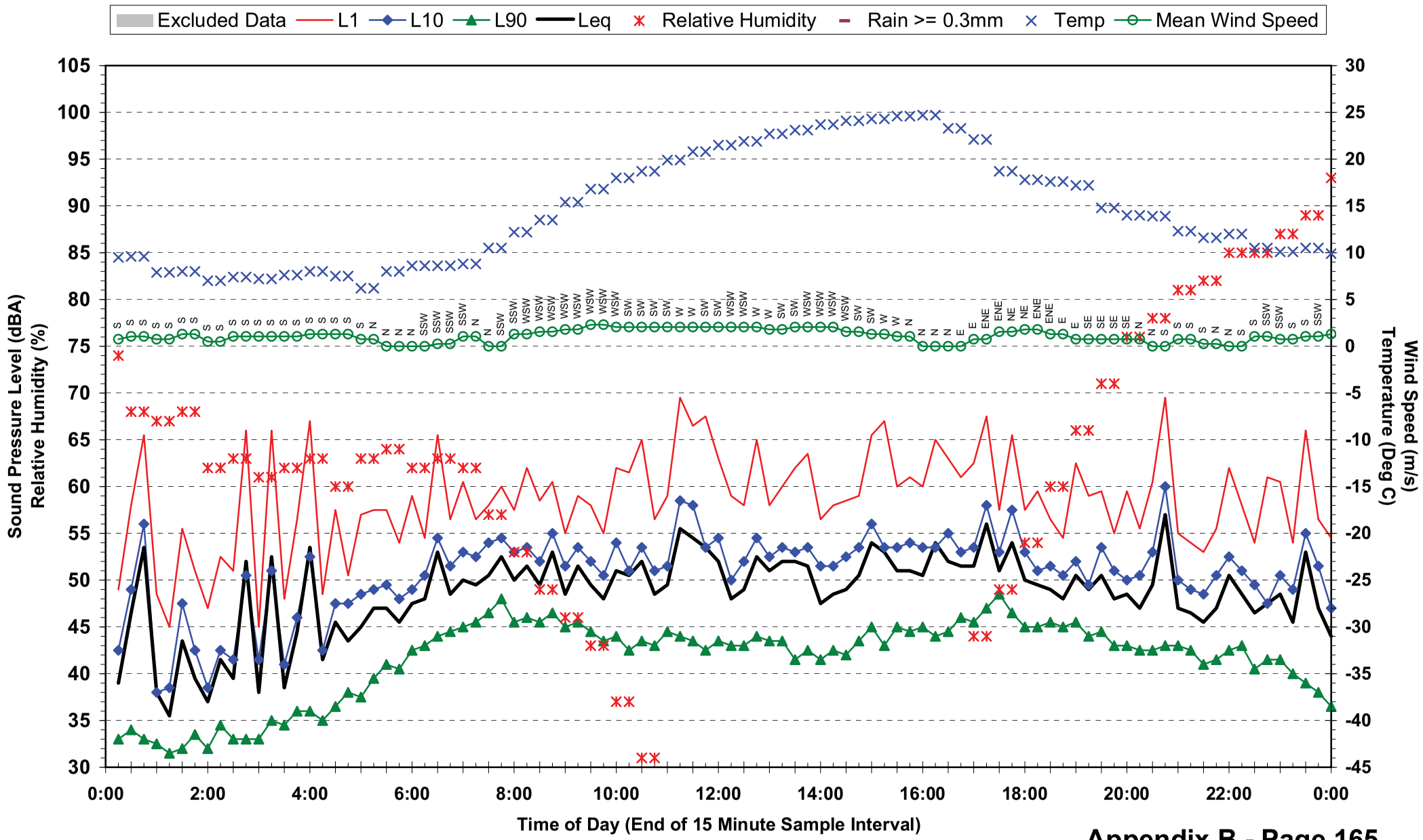
Statistical Ambient Noise Levels
Location 16 - 3 Cardross St - Wednesday 12 May 2010



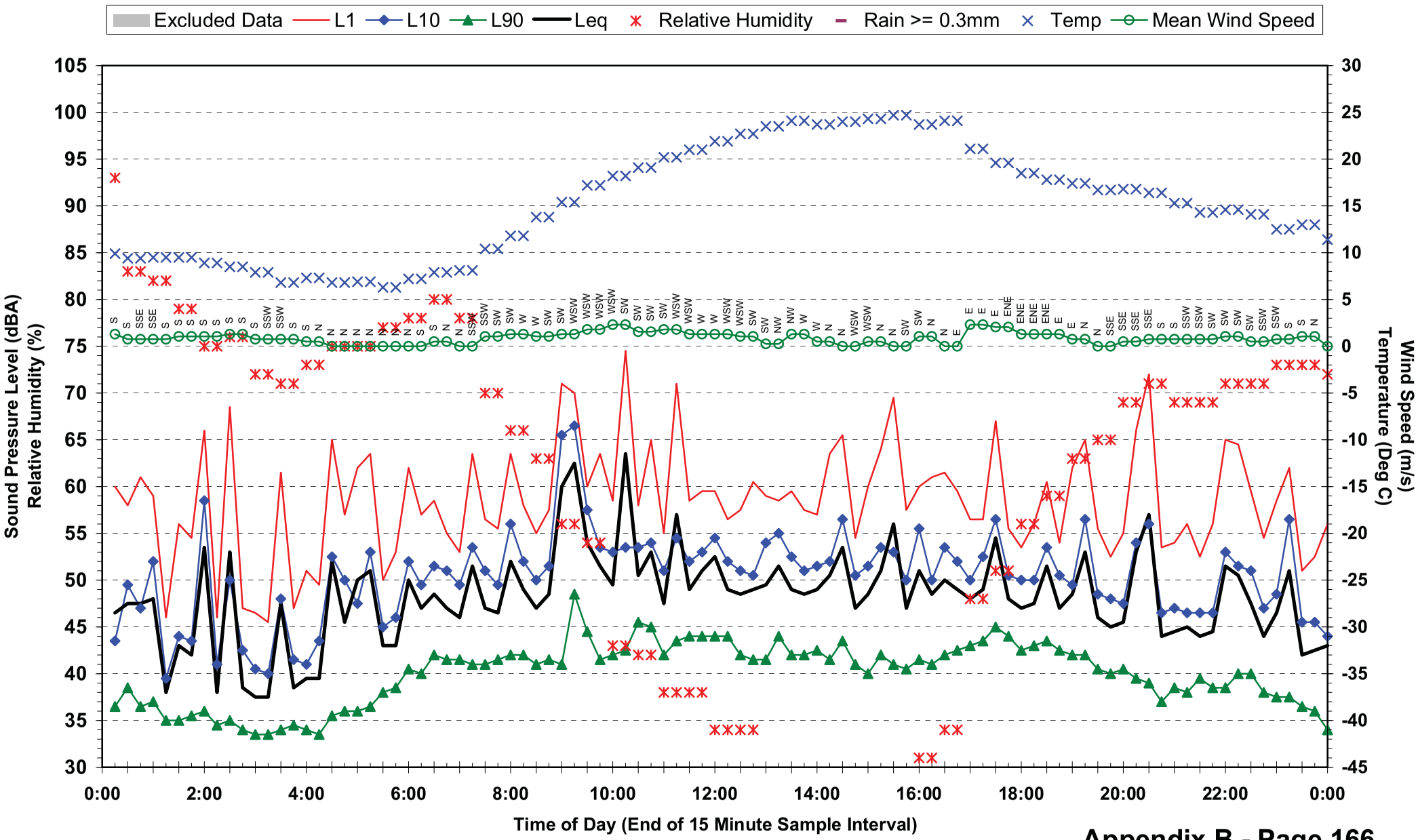
Statistical Ambient Noise Levels
Location 16 - 3 Cardross St - Thursday 13 May 2010



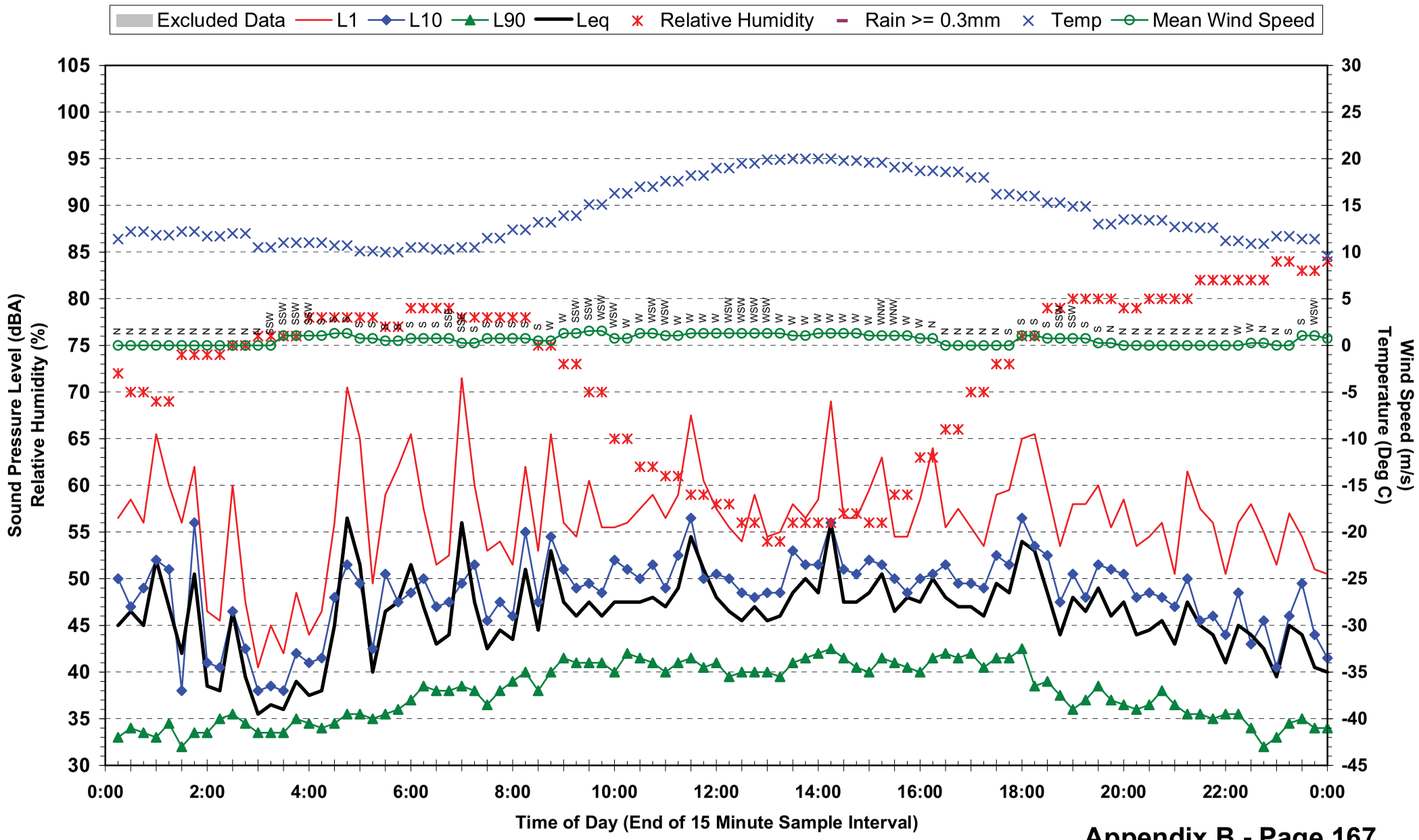
Statistical Ambient Noise Levels
Location 16 - 3 Cardross St - Friday 14 May 2010



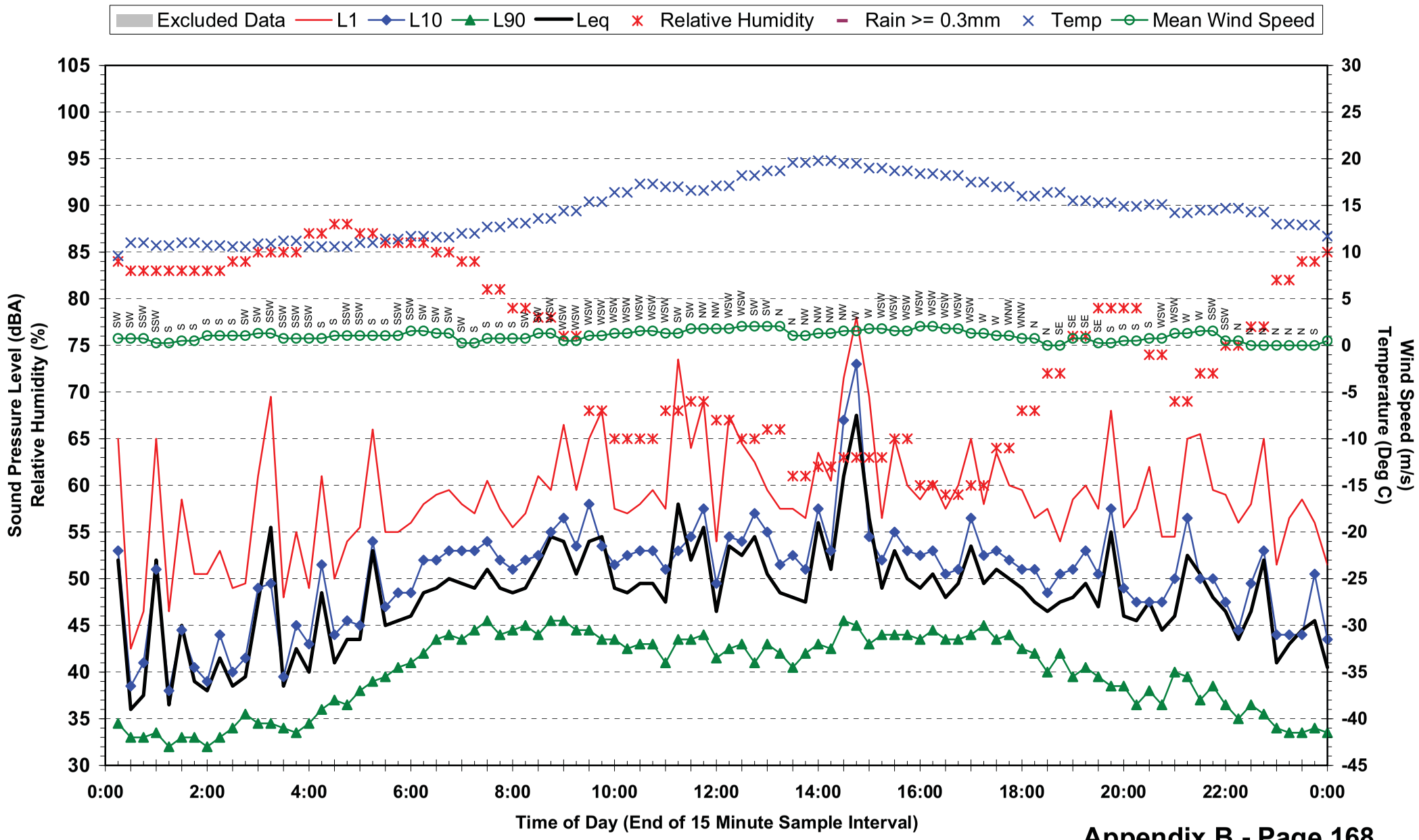
Statistical Ambient Noise Levels
Location 16 - 3 Cardross St - Saturday 15 May 2010



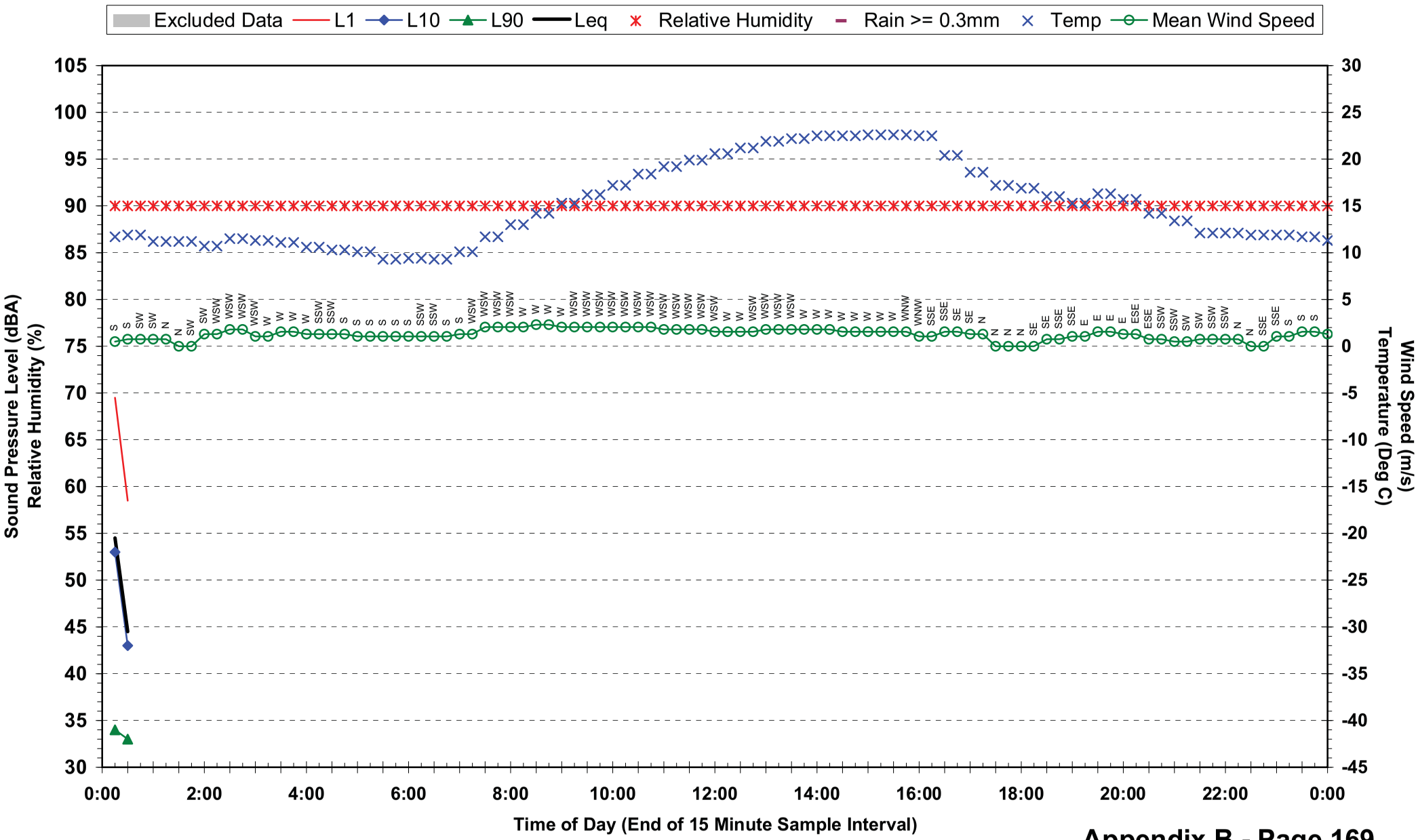
Statistical Ambient Noise Levels
Location 16 - 3 Cardross St - Sunday 16 May 2010



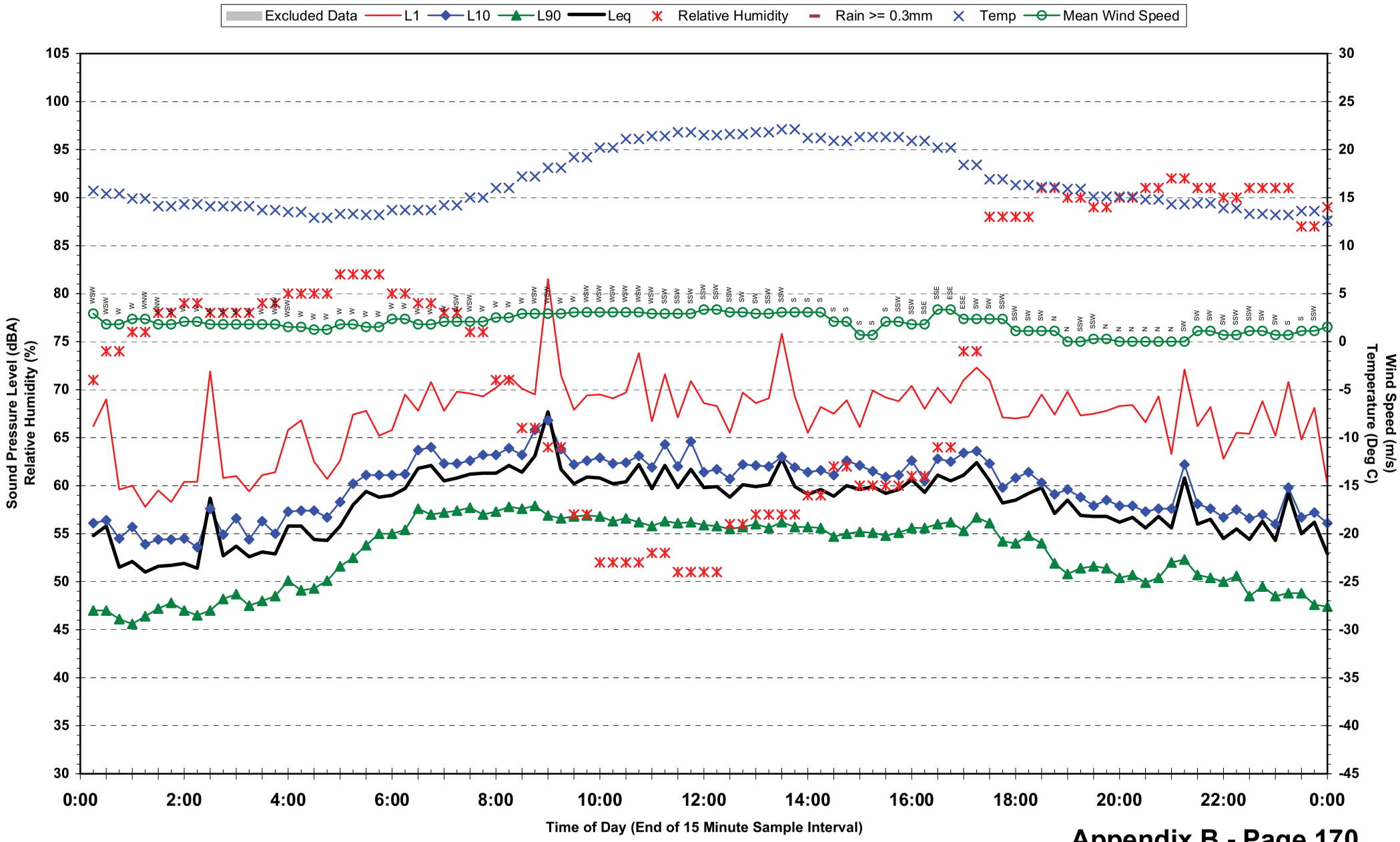
Statistical Ambient Noise Levels
Location 16 - 3 Cardross St - Monday 17 May 2010

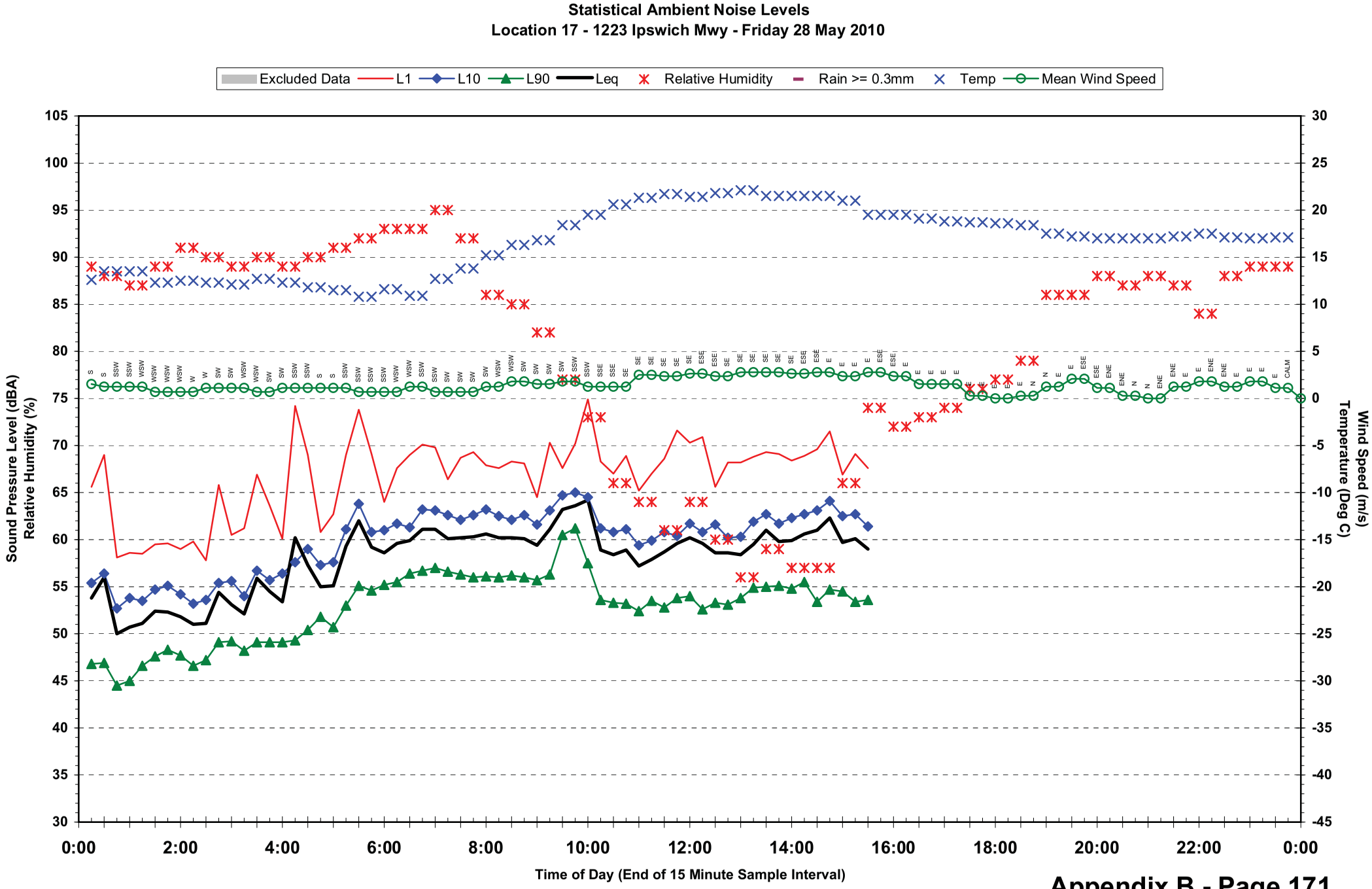


Statistical Ambient Noise Levels
Location 16 - 3 Cardross St - Tuesday 18 May 2010

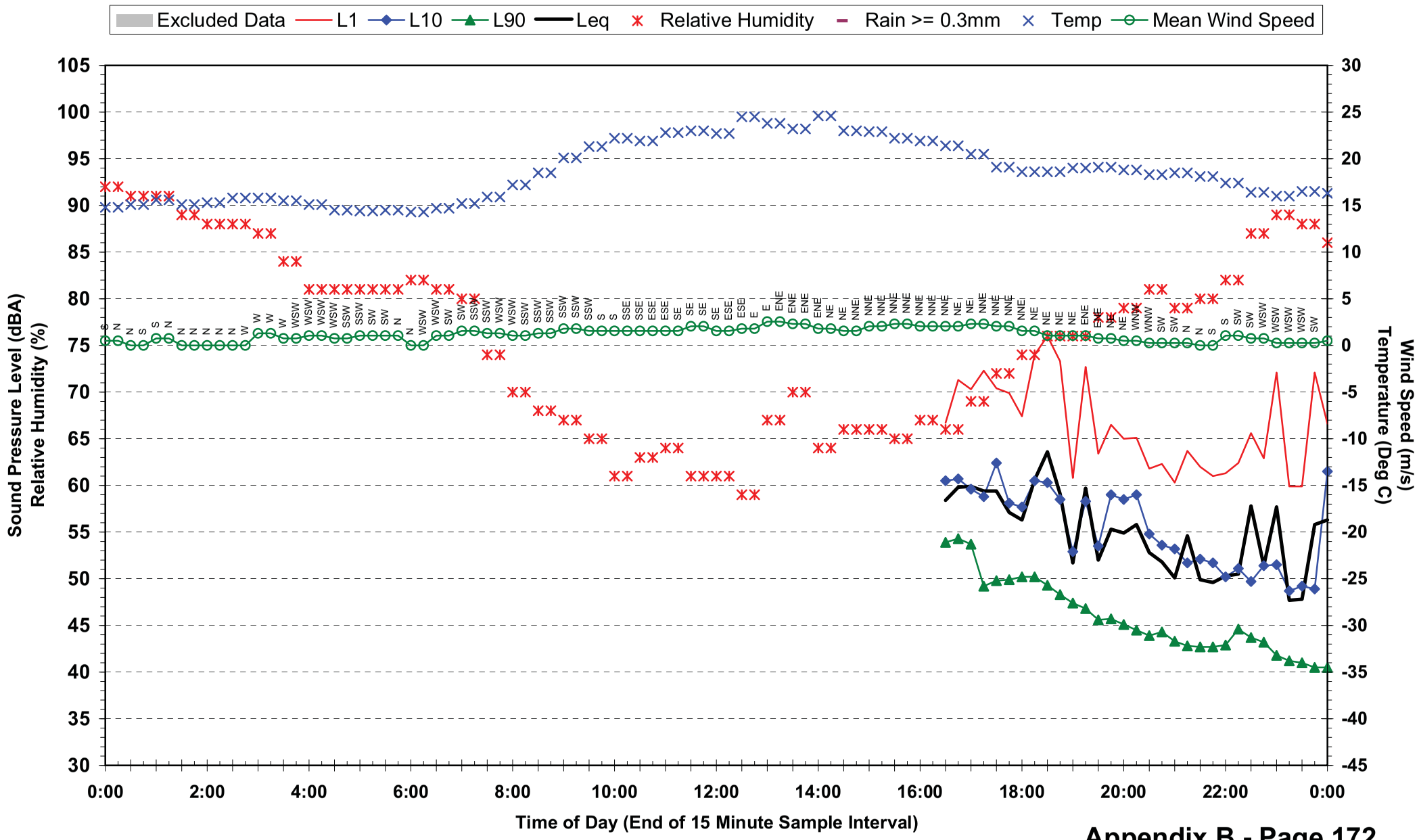


Statistical Ambient Noise Levels
Location 17 - 1223 Ipswich Mwy - Thursday 27 May 2010

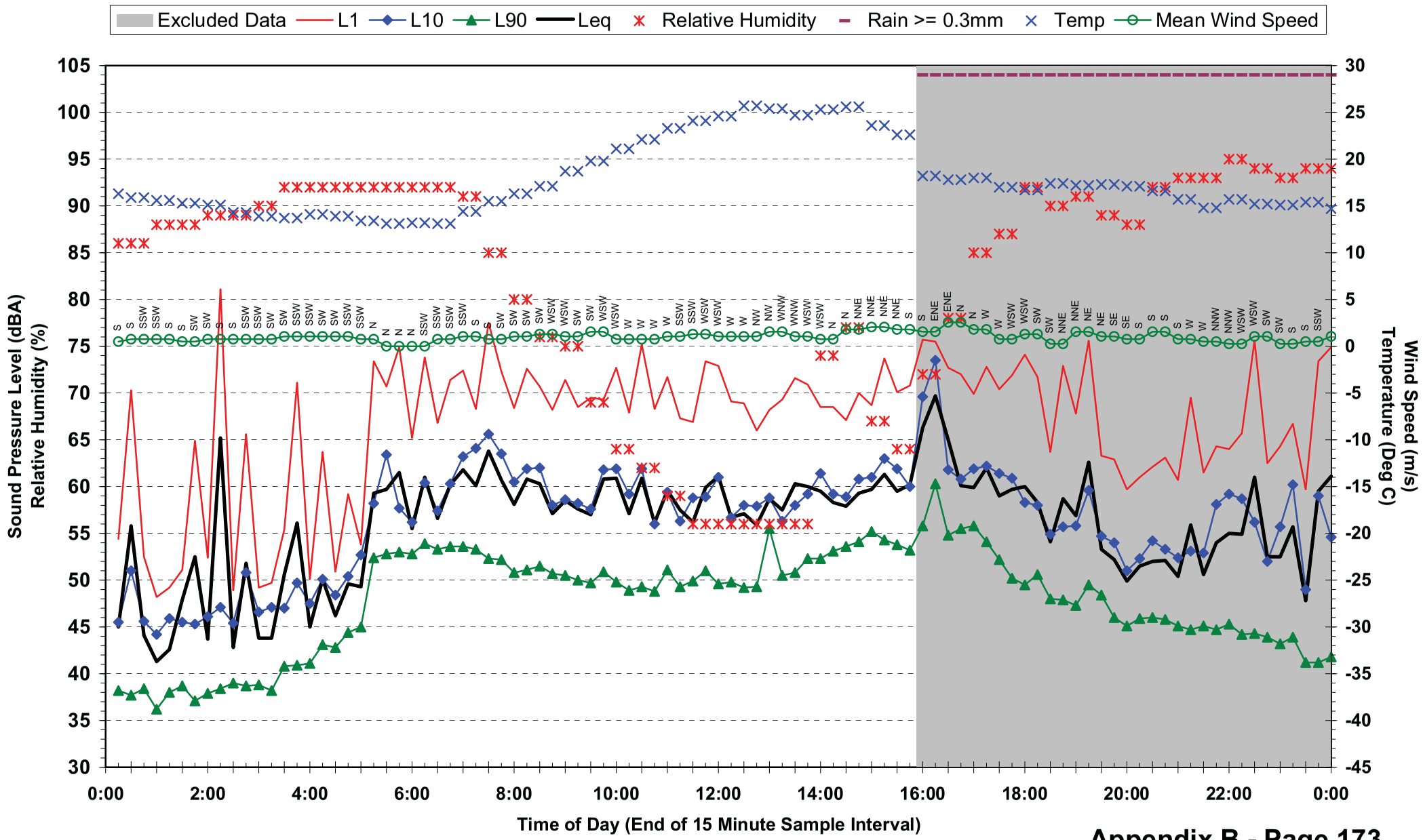



Statistical Ambient Noise Levels
Location 17 - 1223 Ipswich Mwy - Friday 28 May 2010
Excluded Data
L1
L10
L90
Leq
Relative Humidity
Rain >= 0.3mm
Temp
Mean Wind Speed
Sound Pressure Level (dBA)
Relative Humidity (%)
Wind Speed (m/s)
Temperature (Deg C)
Time of Day (End of 15 Minute Sample Interval)
0:00
2:00
4:00
6:00
8:00
10:00
12:00
14:00
16:00
18:00
20:00
22:00
0:00

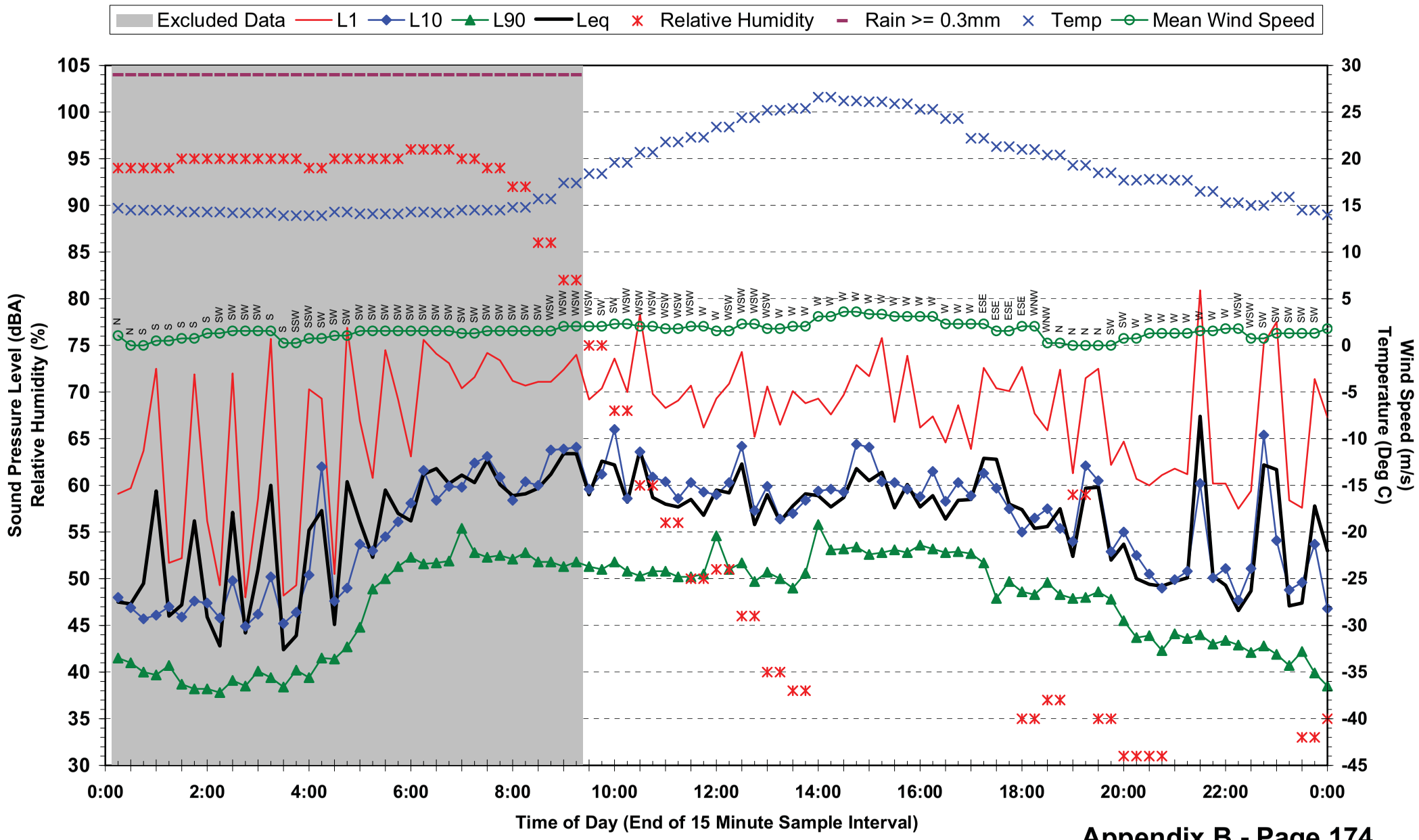
Statistical Ambient Noise Levels
Location 18 - 2/59 Brooke St - Monday 10 May 2010



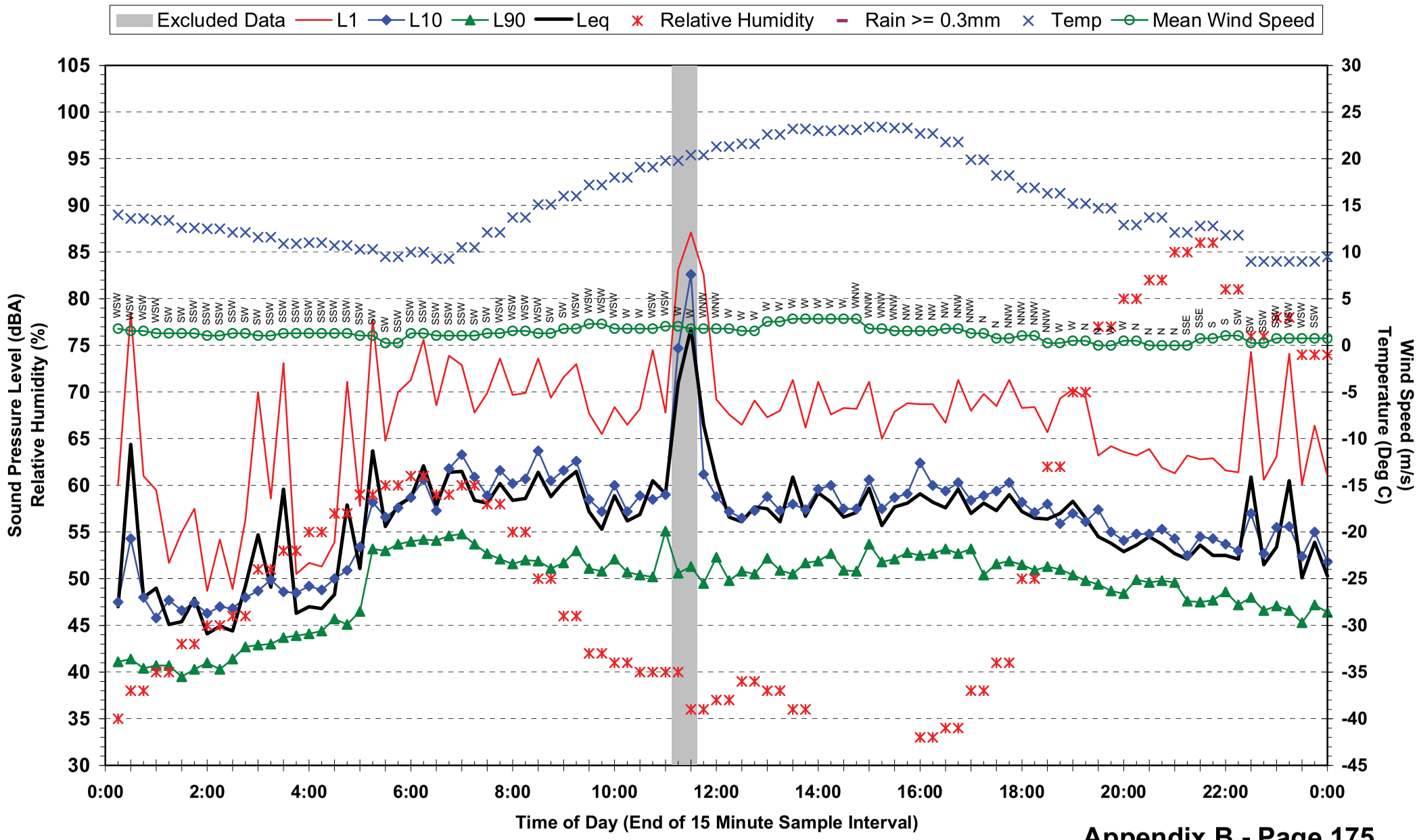
Statistical Ambient Noise Levels
Location 18 - 2/59 Brooke St - Tuesday 11 May 2010



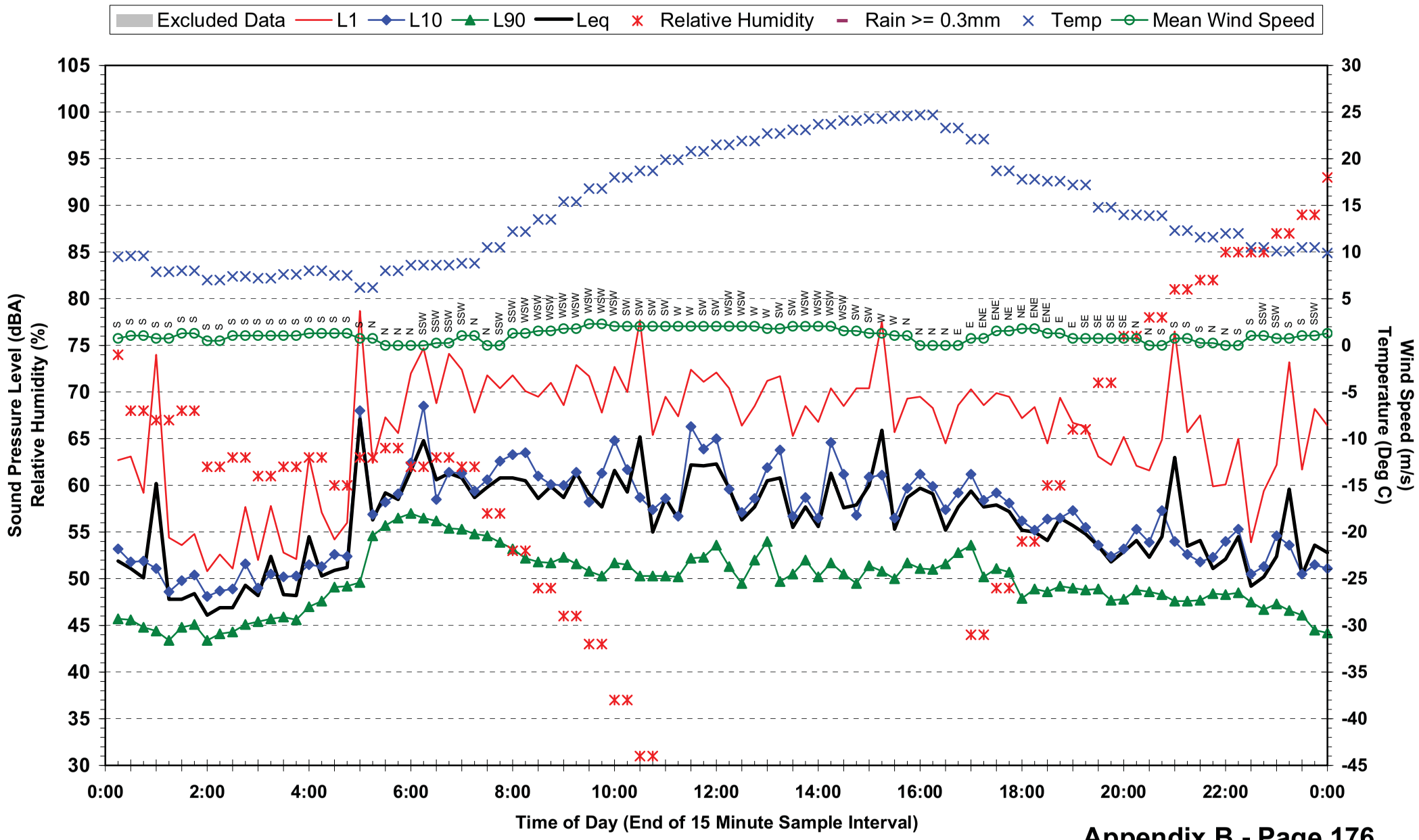
Statistical Ambient Noise Levels
Location 18 - 2/59 Brooke St - Wednesday 12 May 2010



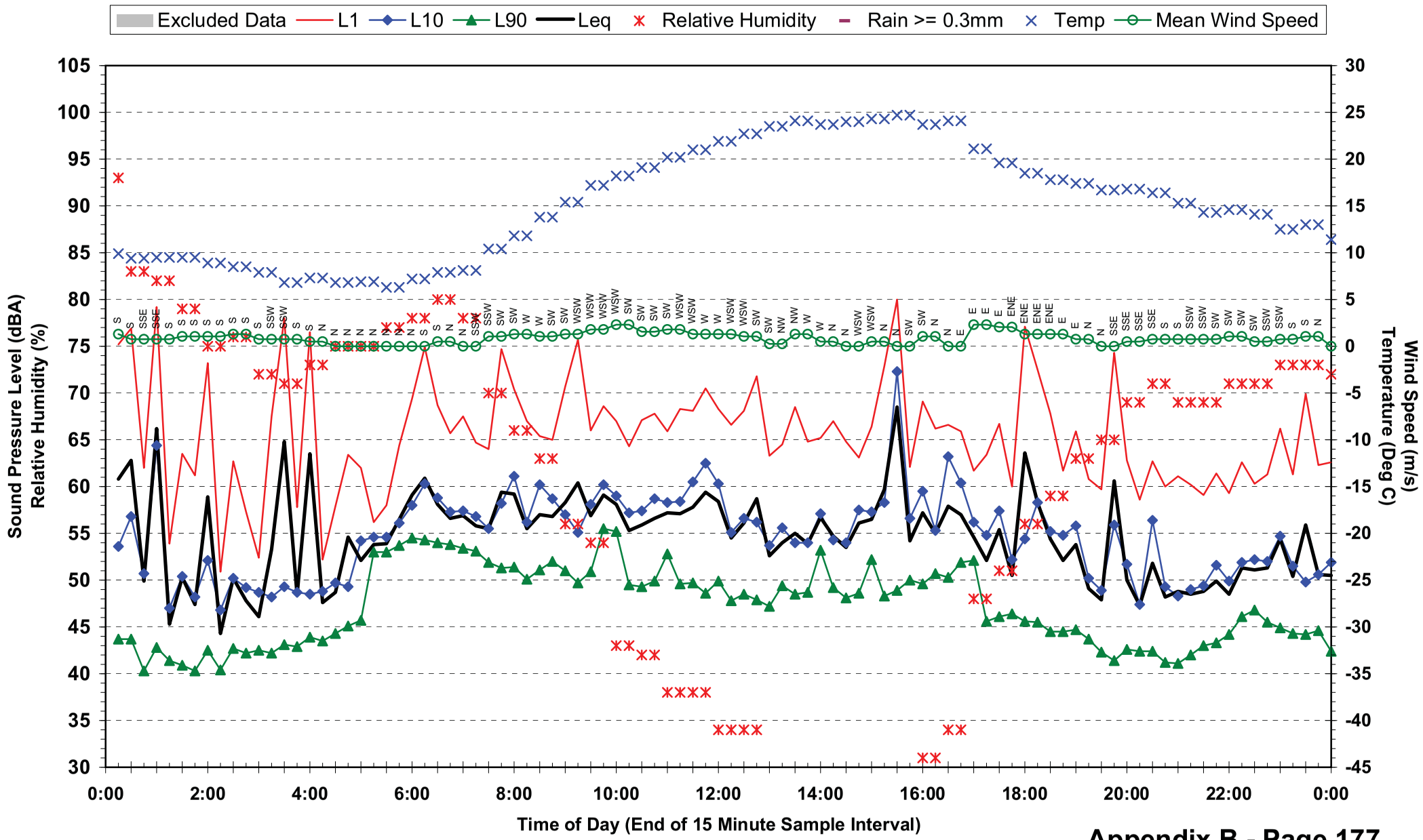
Statistical Ambient Noise Levels
Location 18 - 2/59 Brooke St - Thursday 13 May 2010



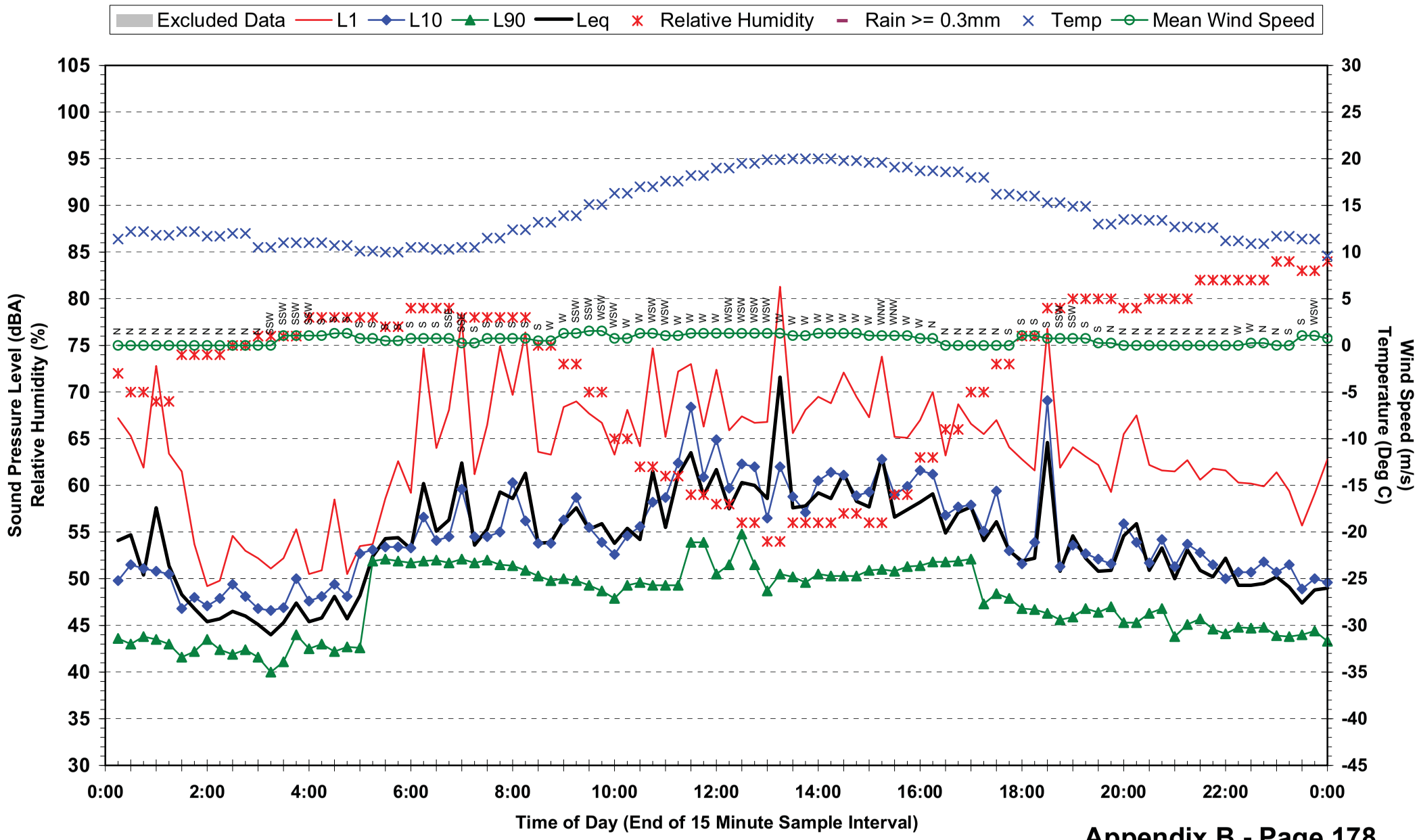
Statistical Ambient Noise Levels
Location 18 - 2/59 Brooke St - Friday 14 May 2010



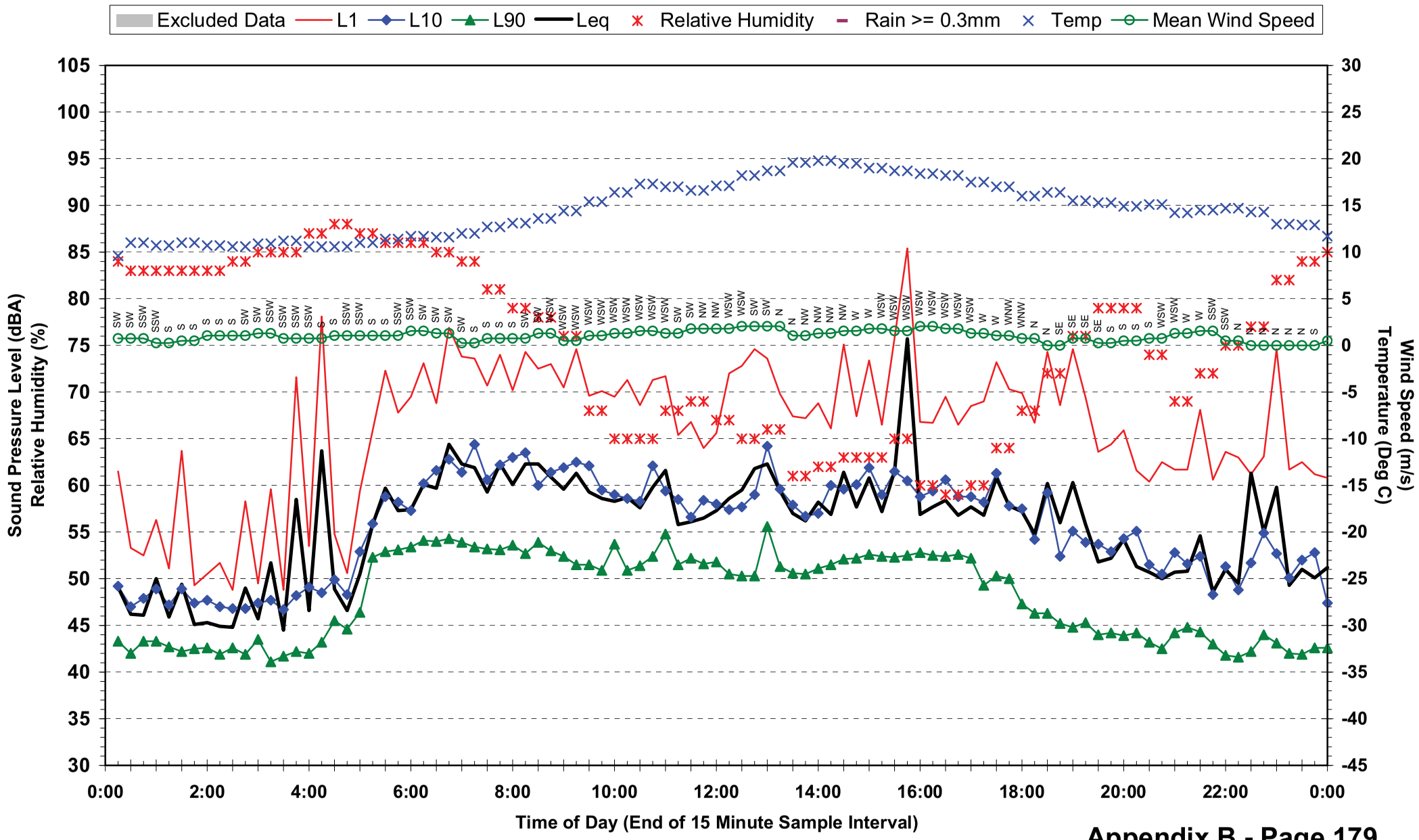
Statistical Ambient Noise Levels
Location 18 - 2/59 Brooke St - Saturday 15 May 2010



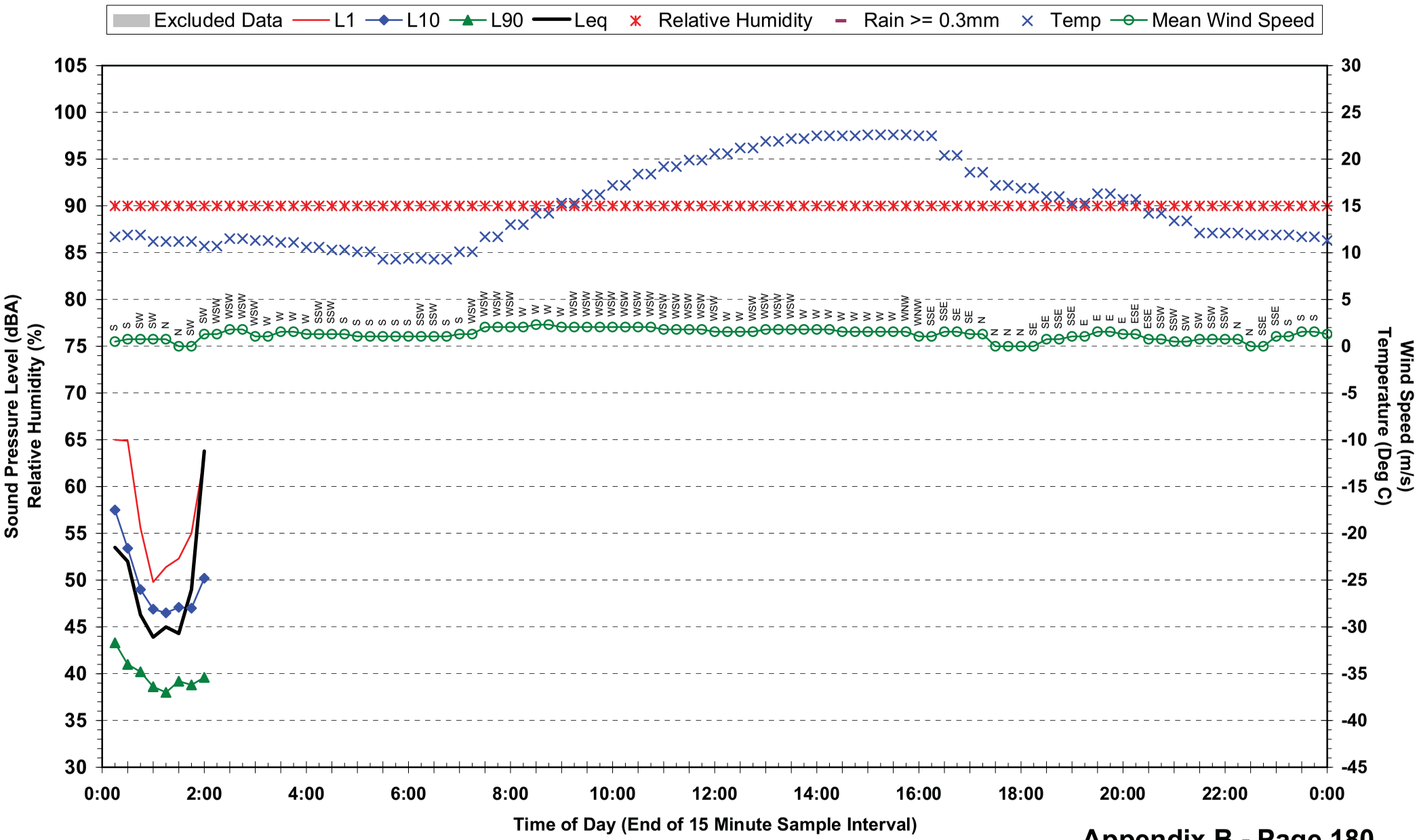
Statistical Ambient Noise Levels
Location 18 - 2/59 Brooke St - Sunday 16 May 2010



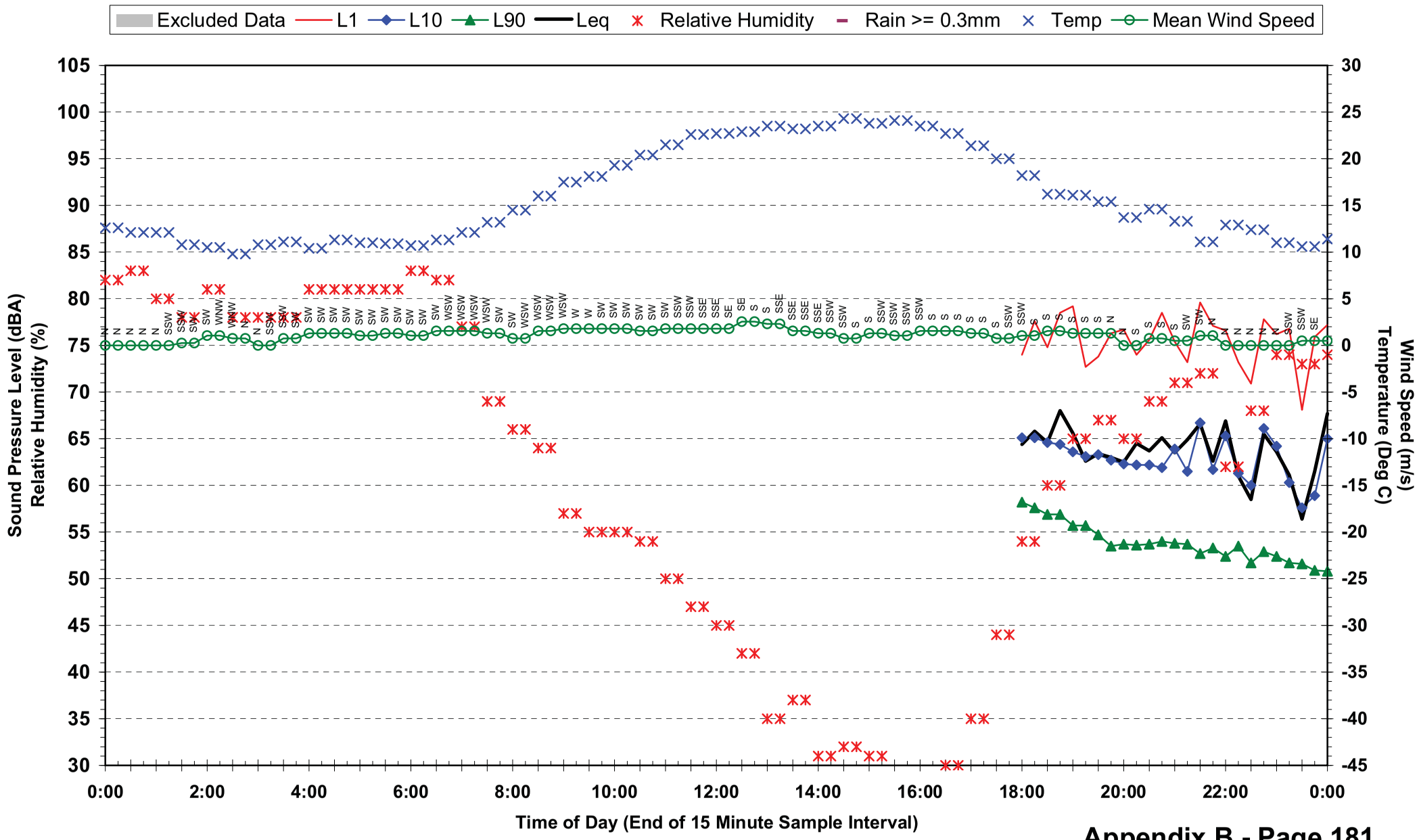
Statistical Ambient Noise Levels
Location 18 - 2/59 Brooke St - Monday 17 May 2010



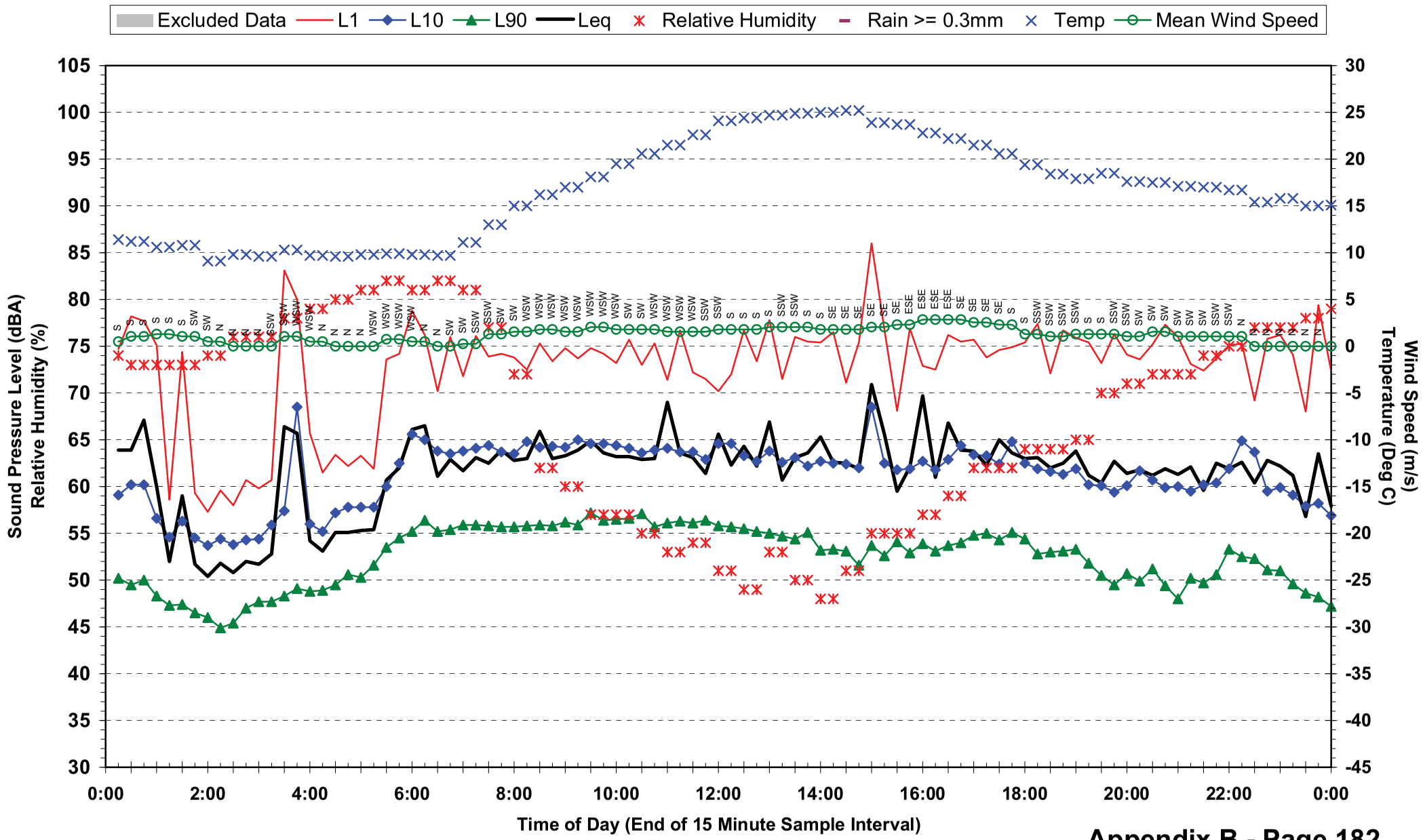
Statistical Ambient Noise Levels
Location 18 - 2/59 Brooke St - Tuesday 18 May 2010



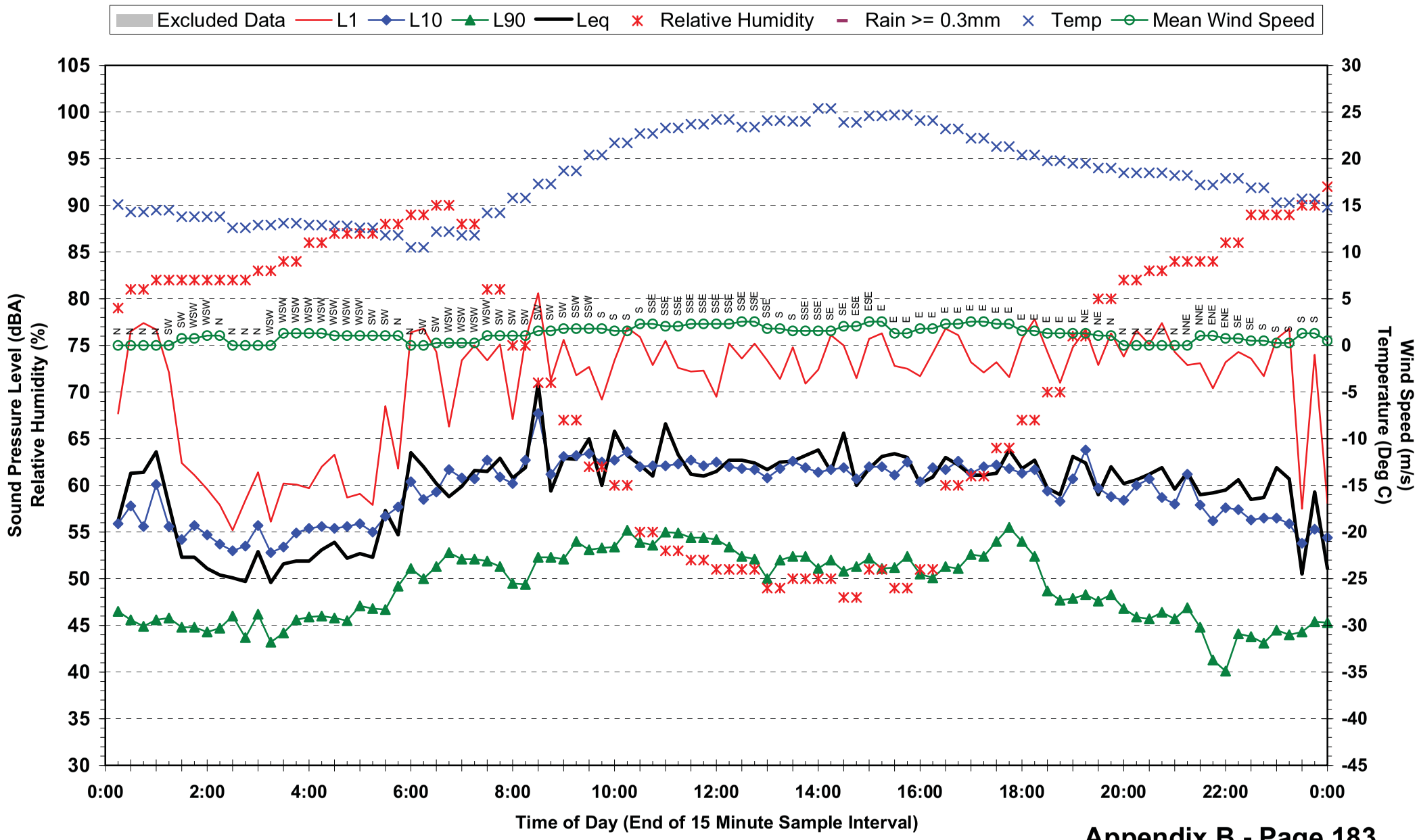
Statistical Ambient Noise Levels
Location 19 - Nyanda State High School - Friday 7 May 2010



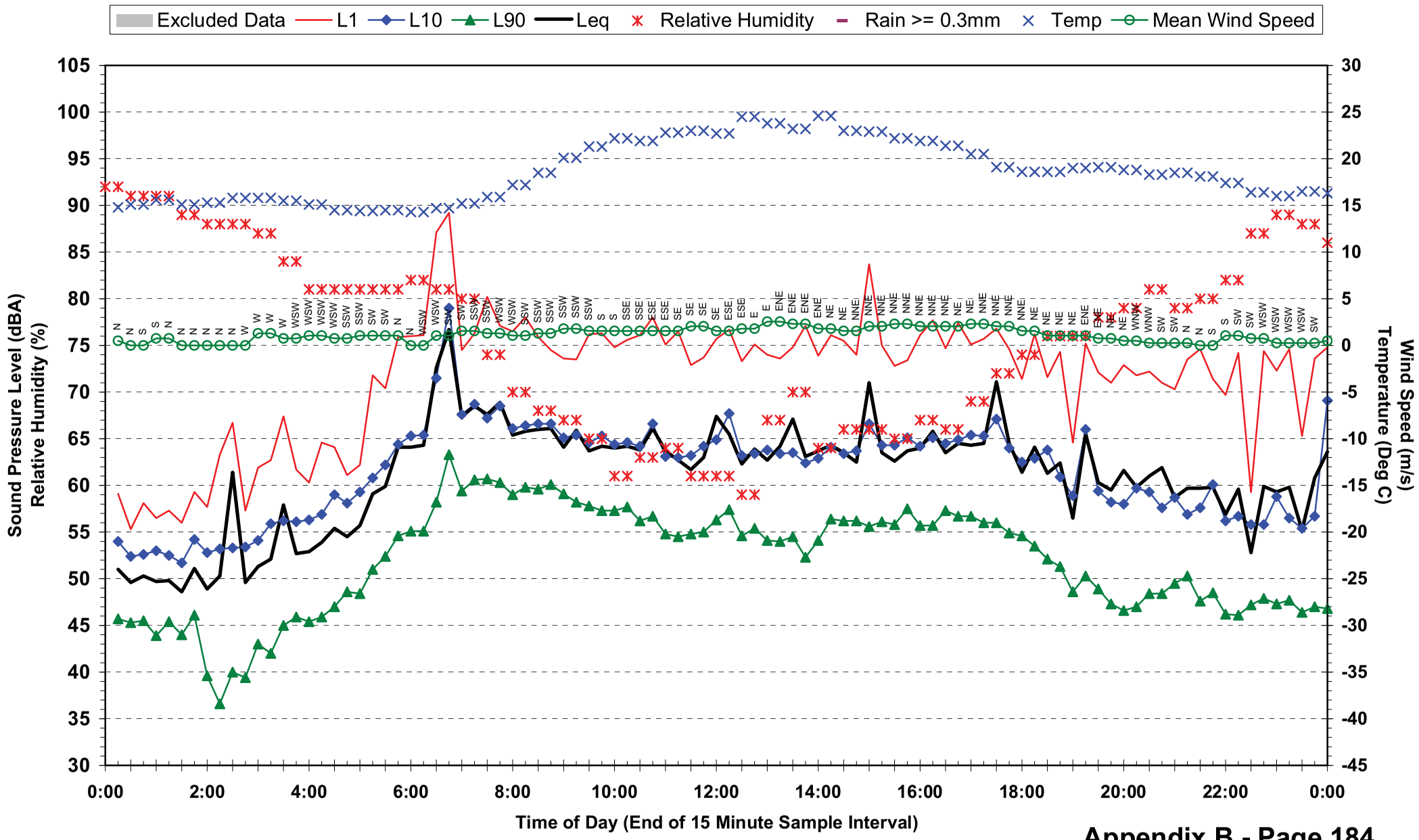
Statistical Ambient Noise Levels
Location 19 - Nyanda State High School - Saturday 8 May 2010



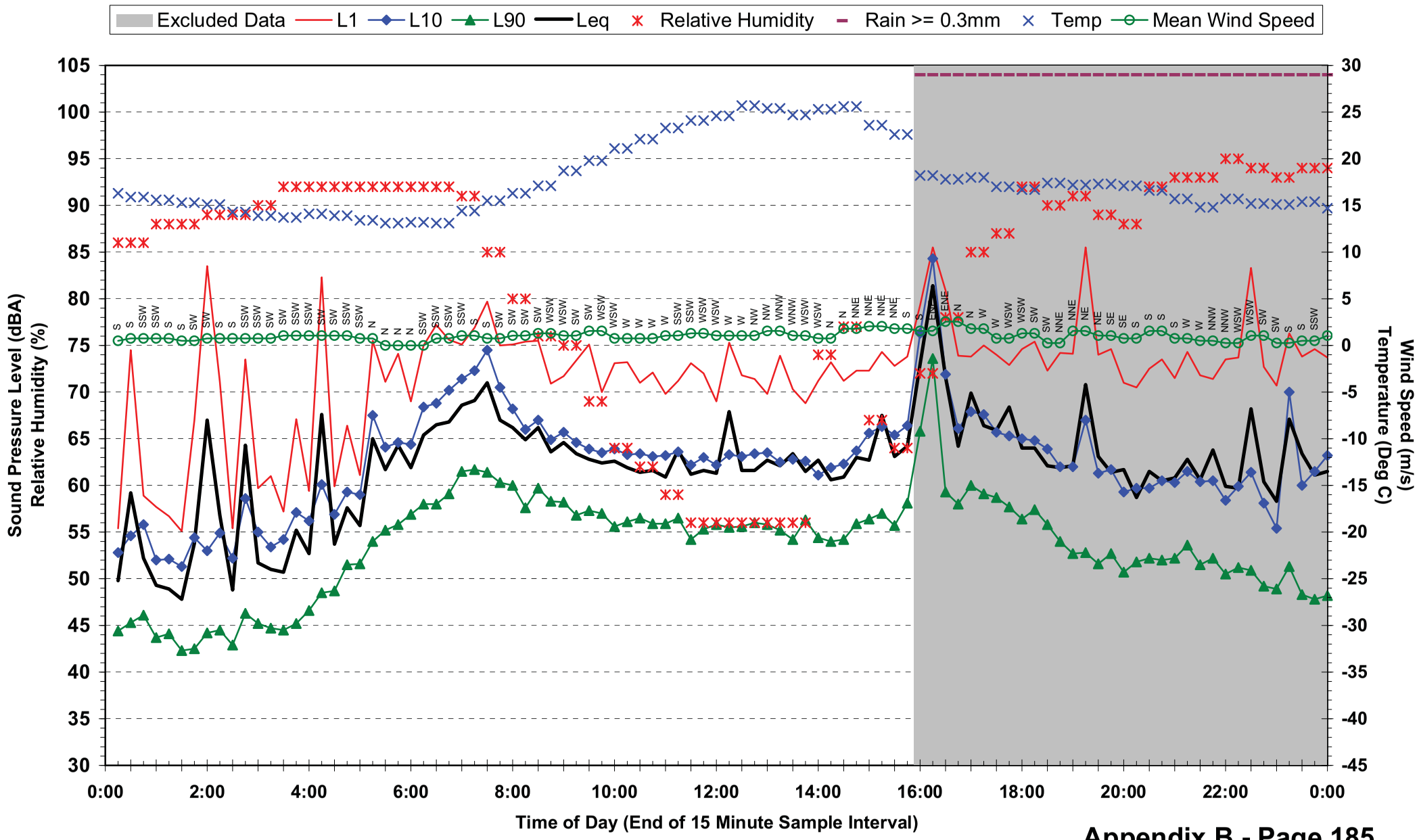
Statistical Ambient Noise Levels
Location 19 - Nyanda State High School - Sunday 9 May 2010



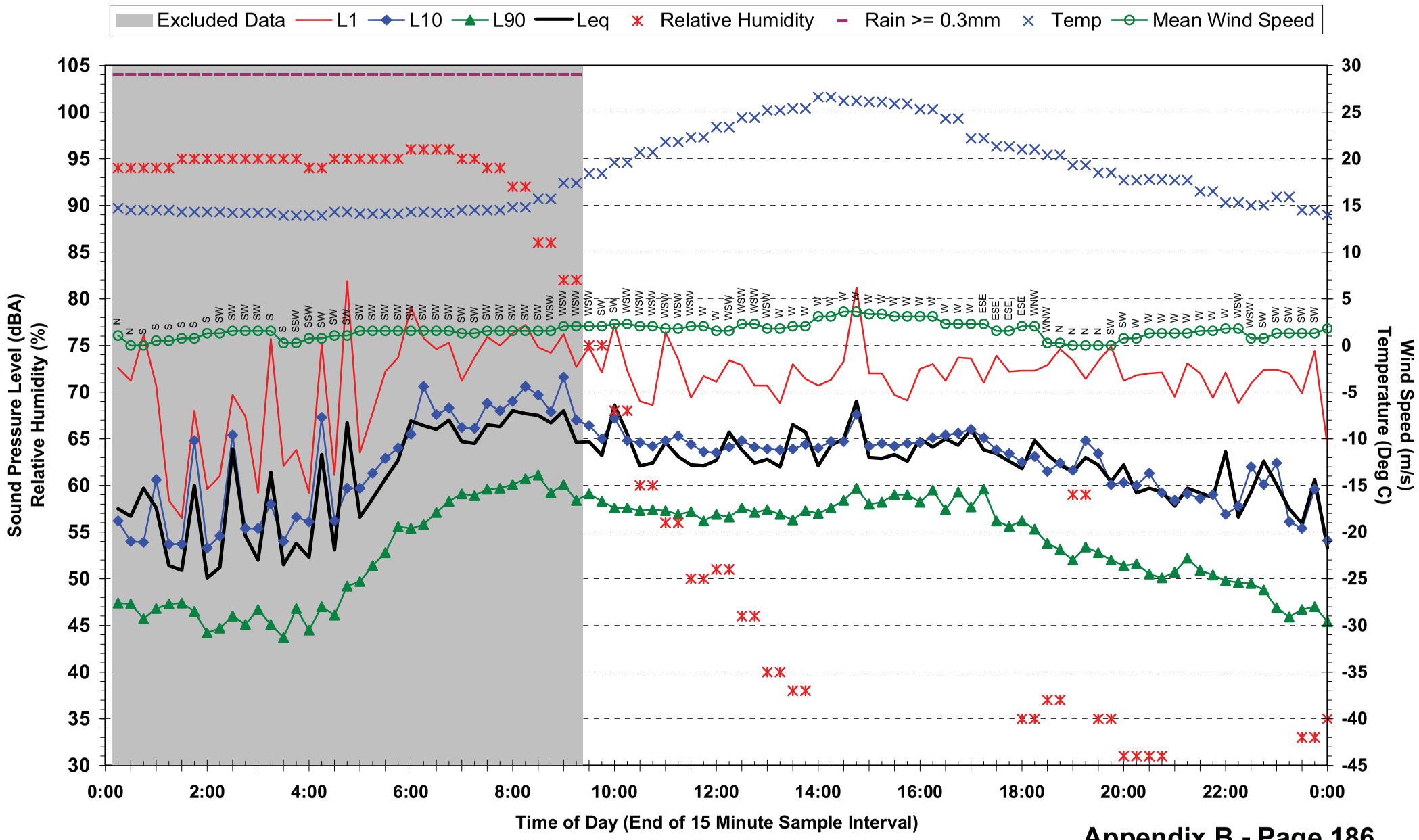
Statistical Ambient Noise Levels
Location 19 - Nyanda State High School - Monday 10 May 2010



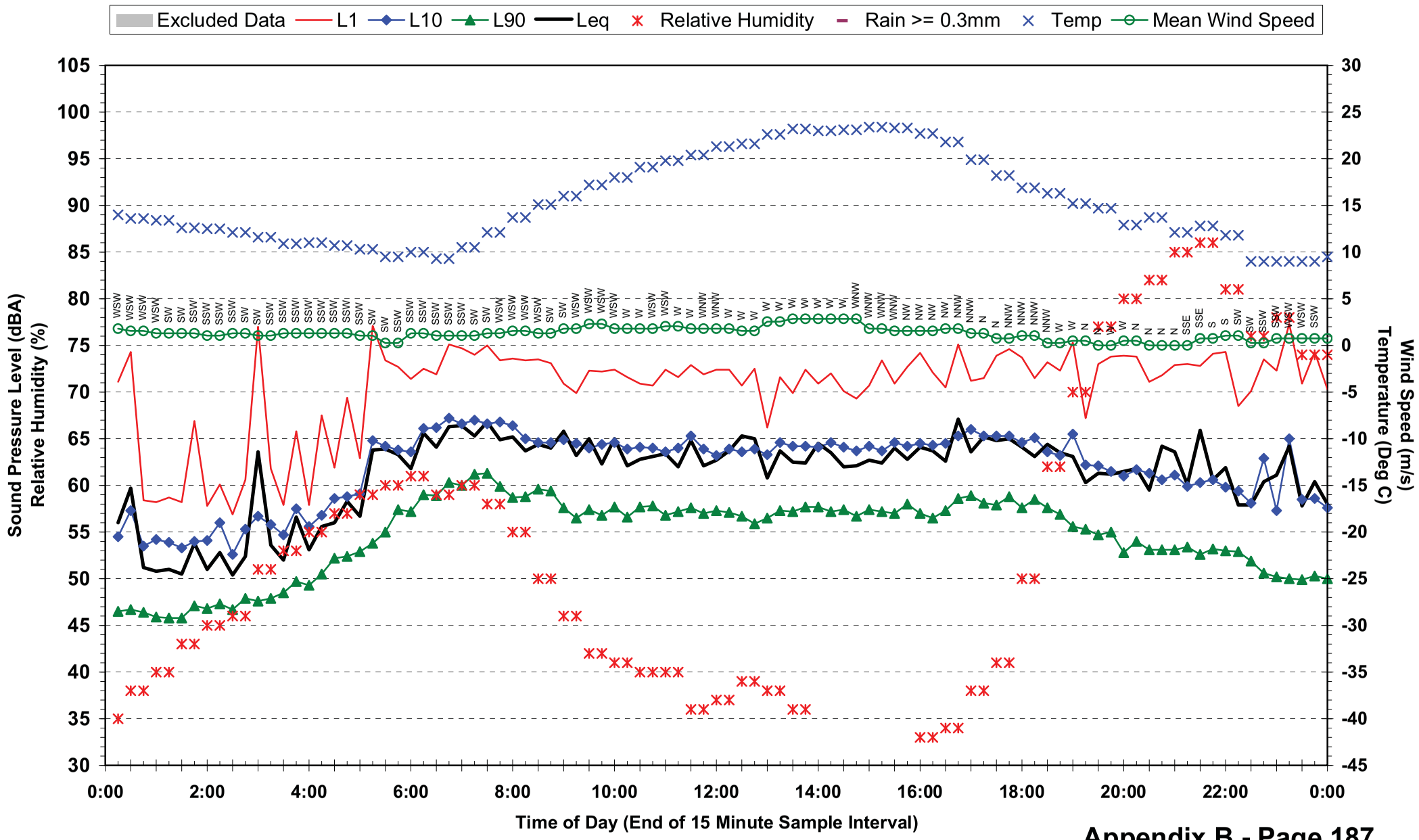
Statistical Ambient Noise Levels
Location 19 - Nyanda State High School - Tuesday 11 May 2010



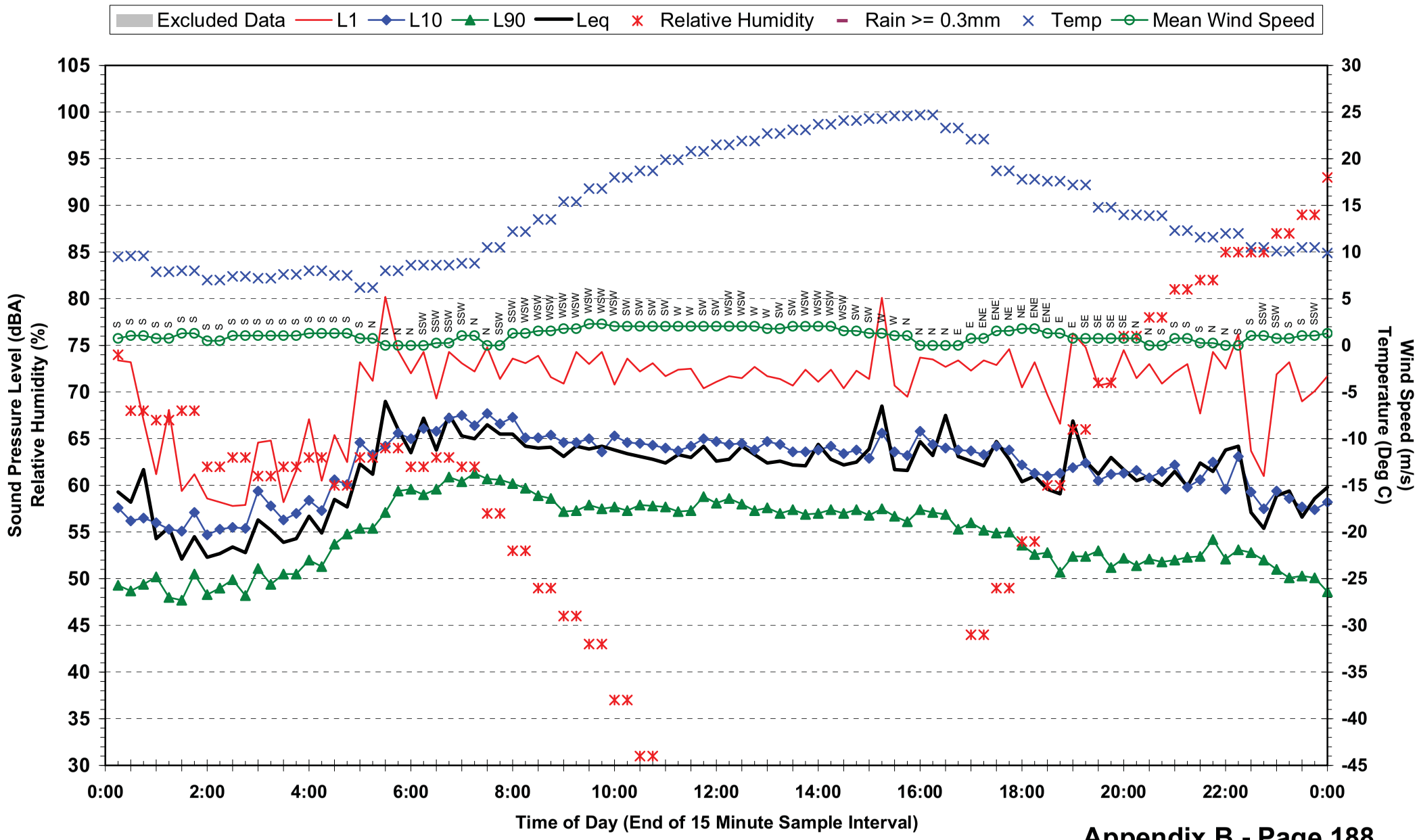
Statistical Ambient Noise Levels
Location 19 - Nyanda State High School - Wednesday 12 May 2010



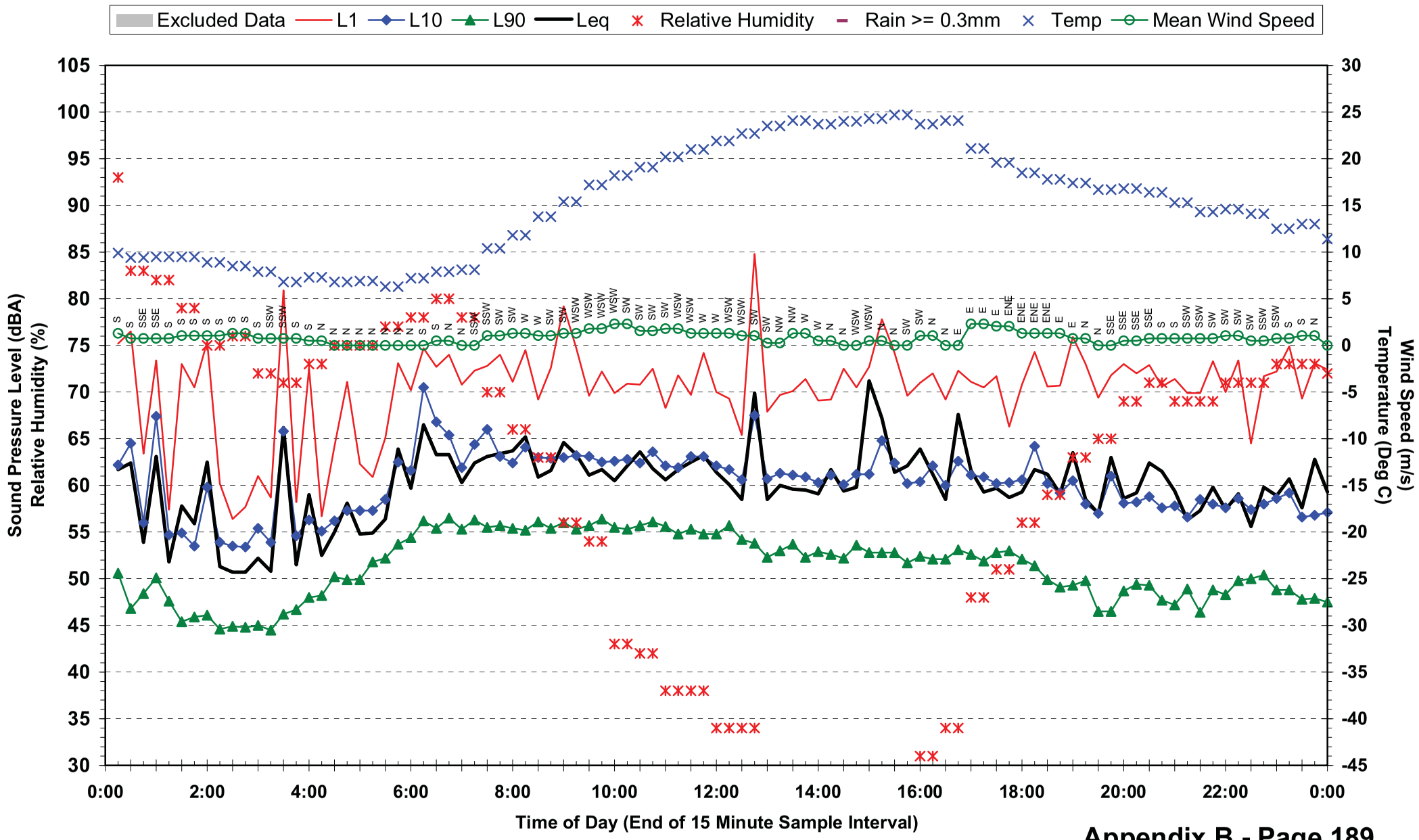
Statistical Ambient Noise Levels
Location 19 - Nyanda State High School - Thursday 13 May 2010



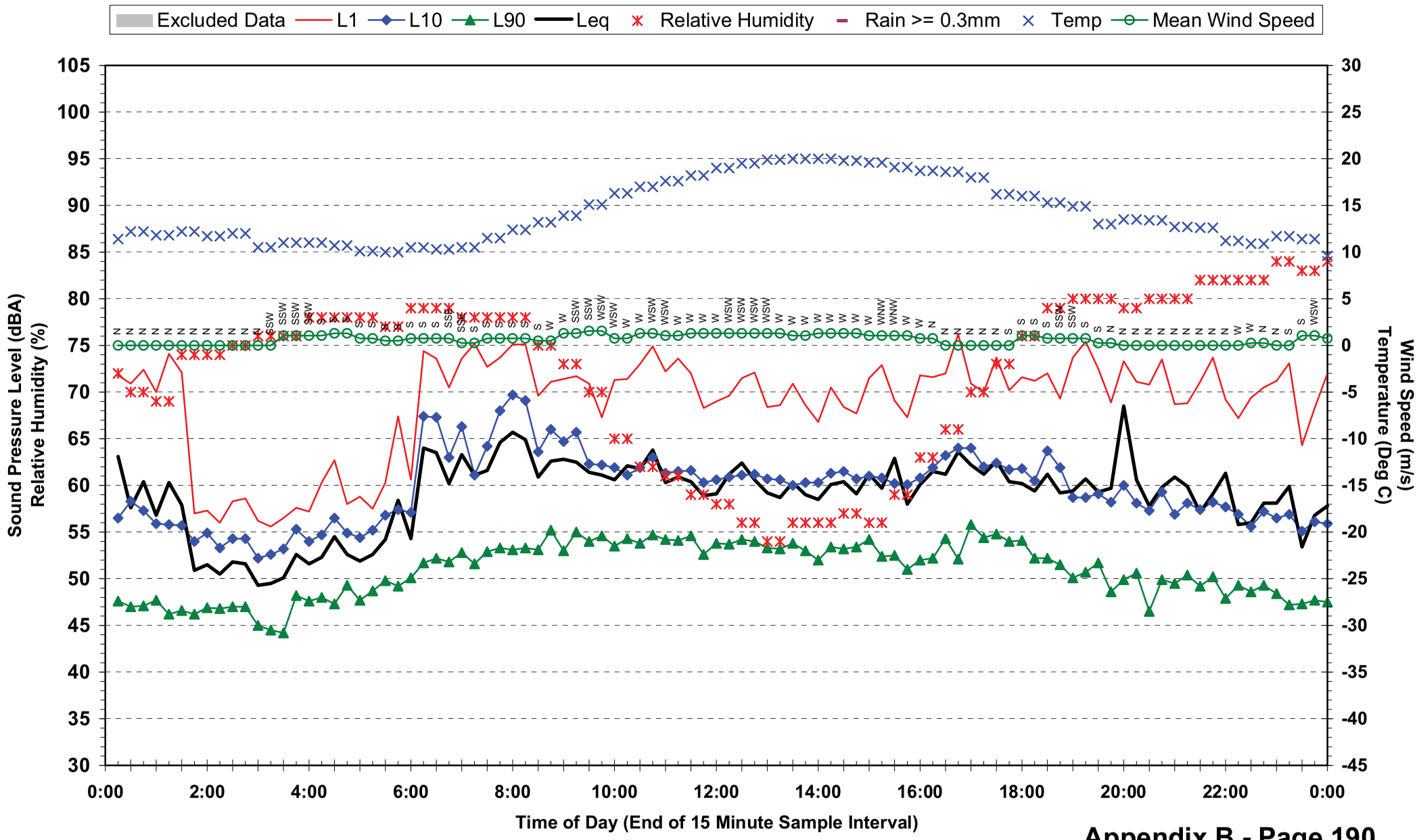
Statistical Ambient Noise Levels
Location 19 - Nyanda State High School - Friday 14 May 2010



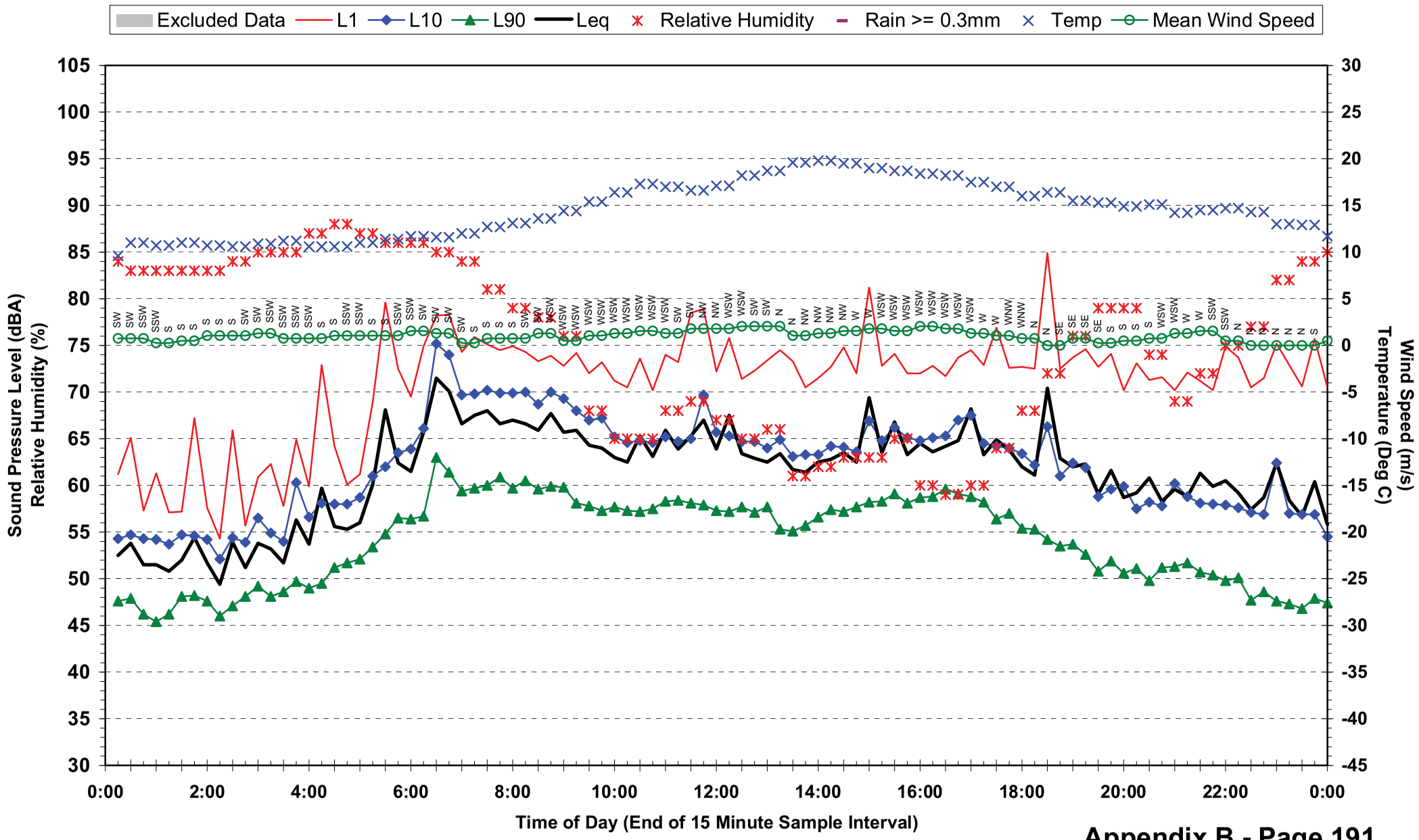
Statistical Ambient Noise Levels
Location 19 - Nyanda State High School - Saturday 15 May 2010



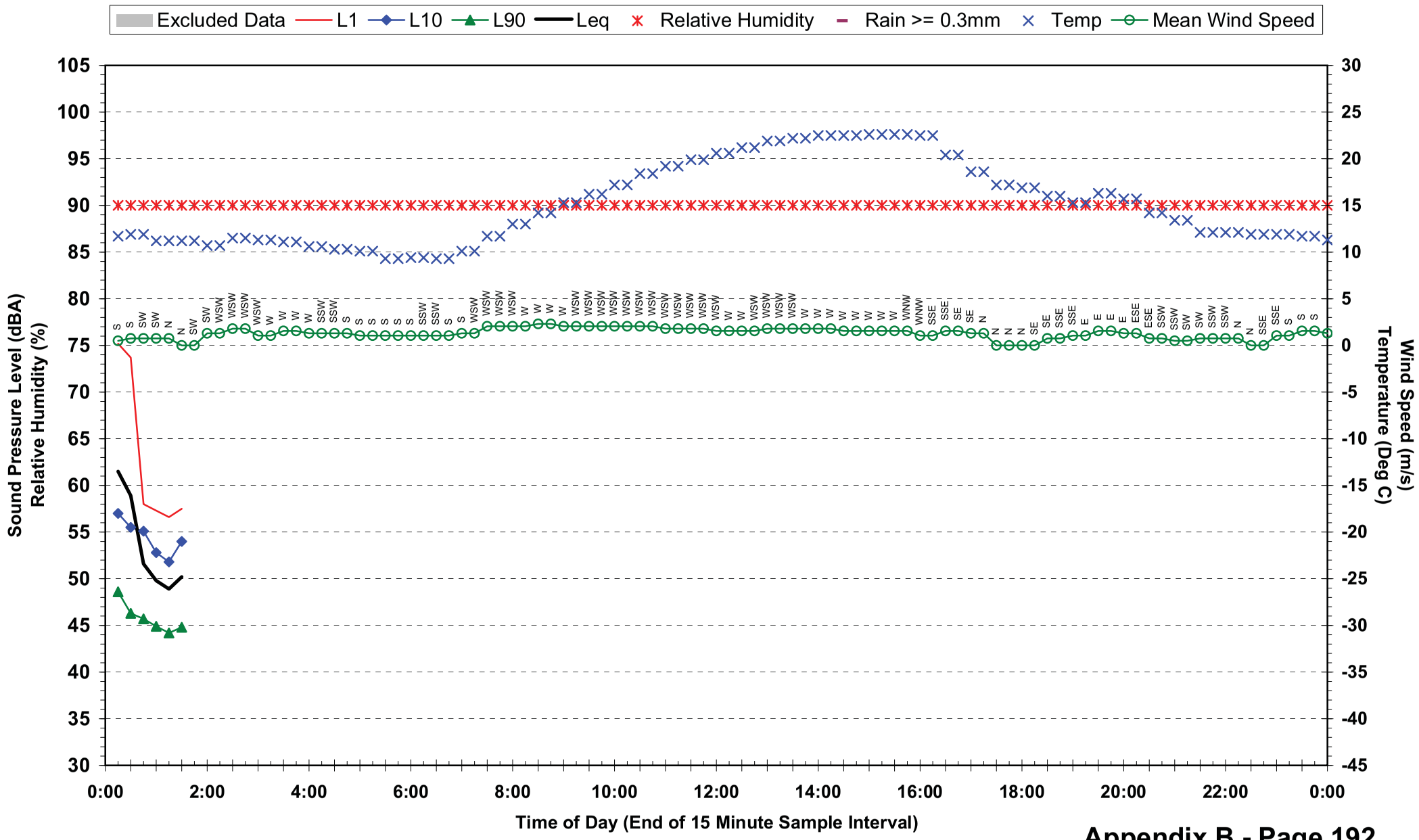
Statistical Ambient Noise Levels
Location 19 - Nyanda State High School - Sunday 16 May 2010



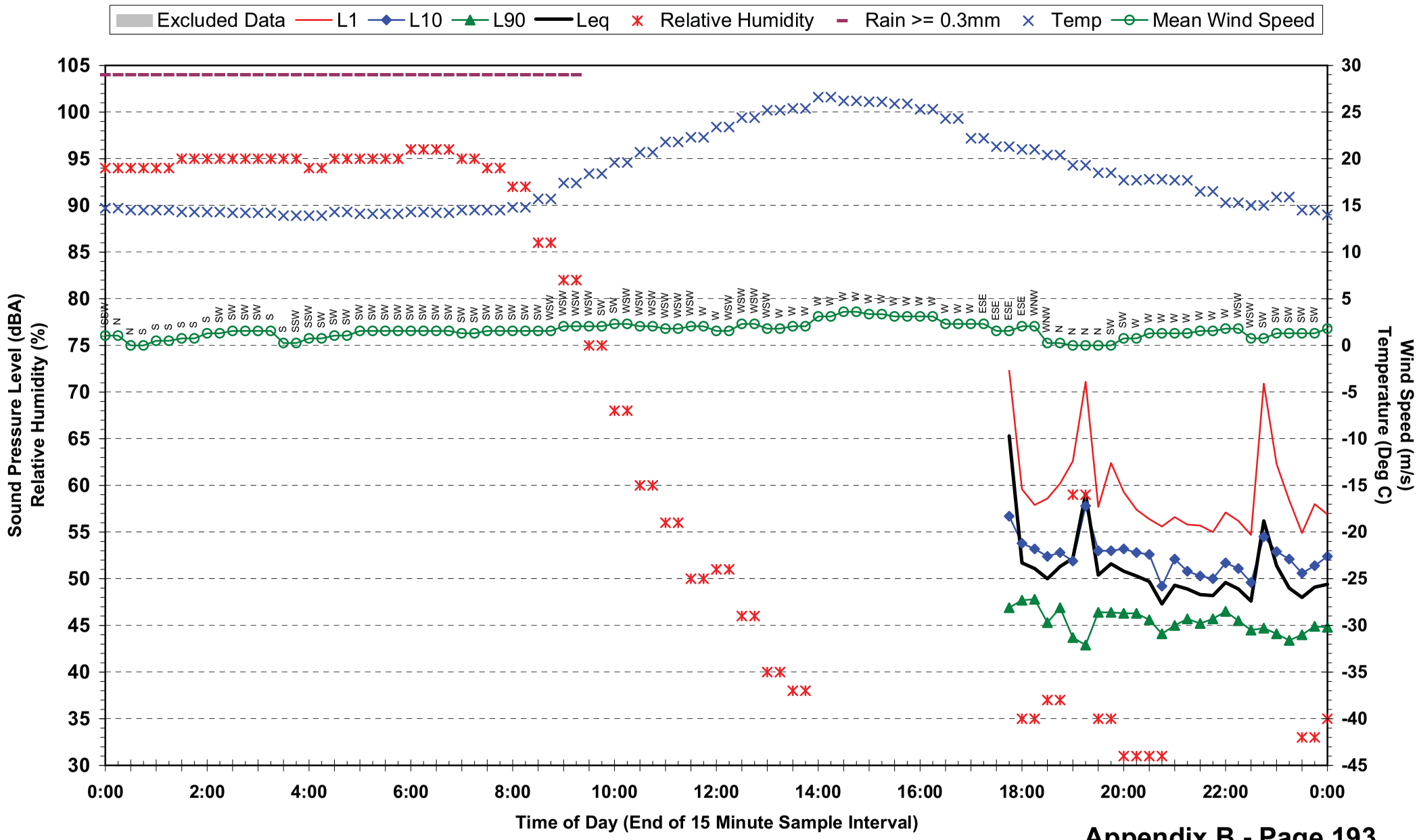
Statistical Ambient Noise Levels
Location 19 - Nyanda State High School - Monday 17 May 2010



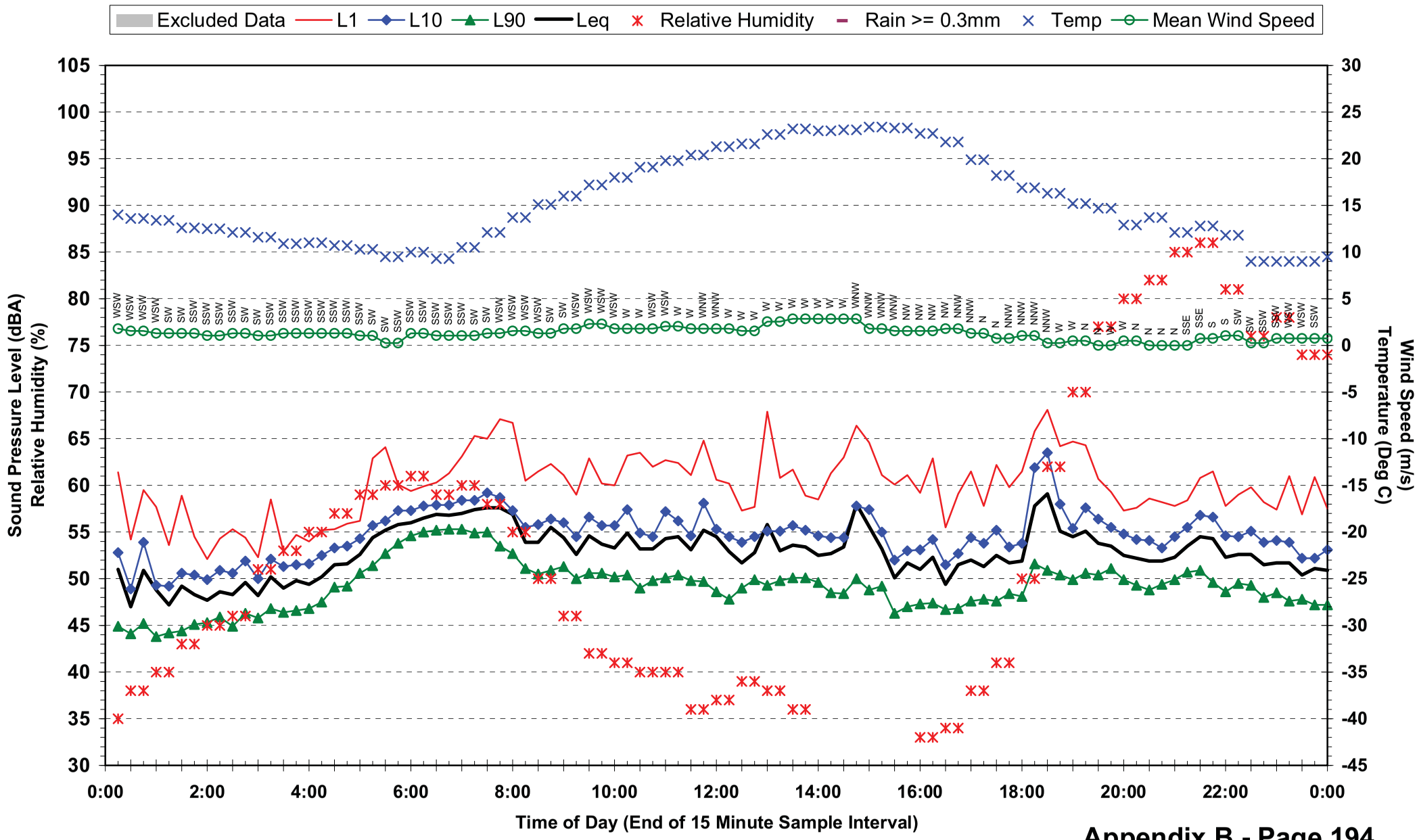
Statistical Ambient Noise Levels
Location 19 - Nyanda State High School - Tuesday 18 May 2010



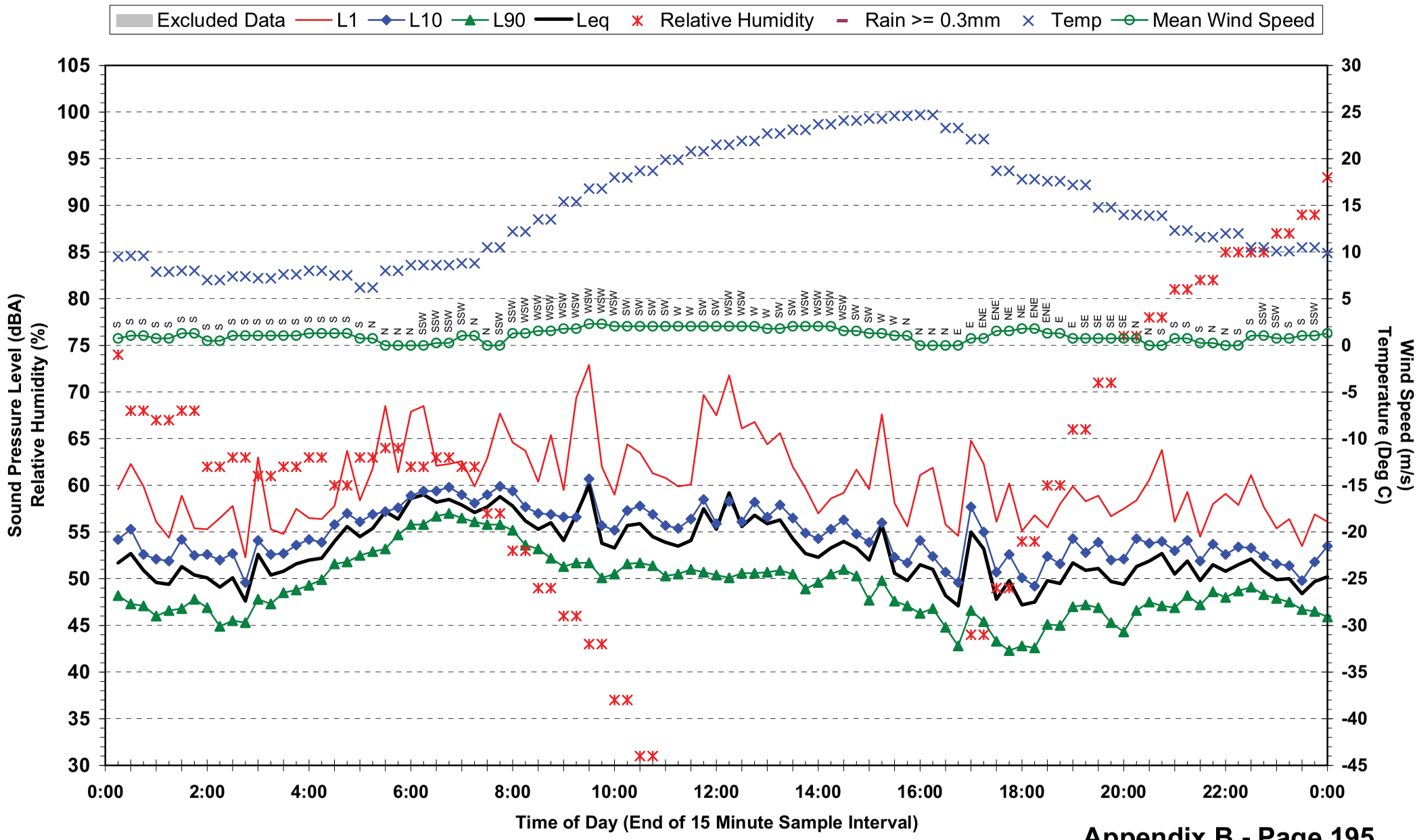
Statistical Ambient Noise Levels
Location 20 - 14 Bellevue Ave - Wednesday 12 May 2010



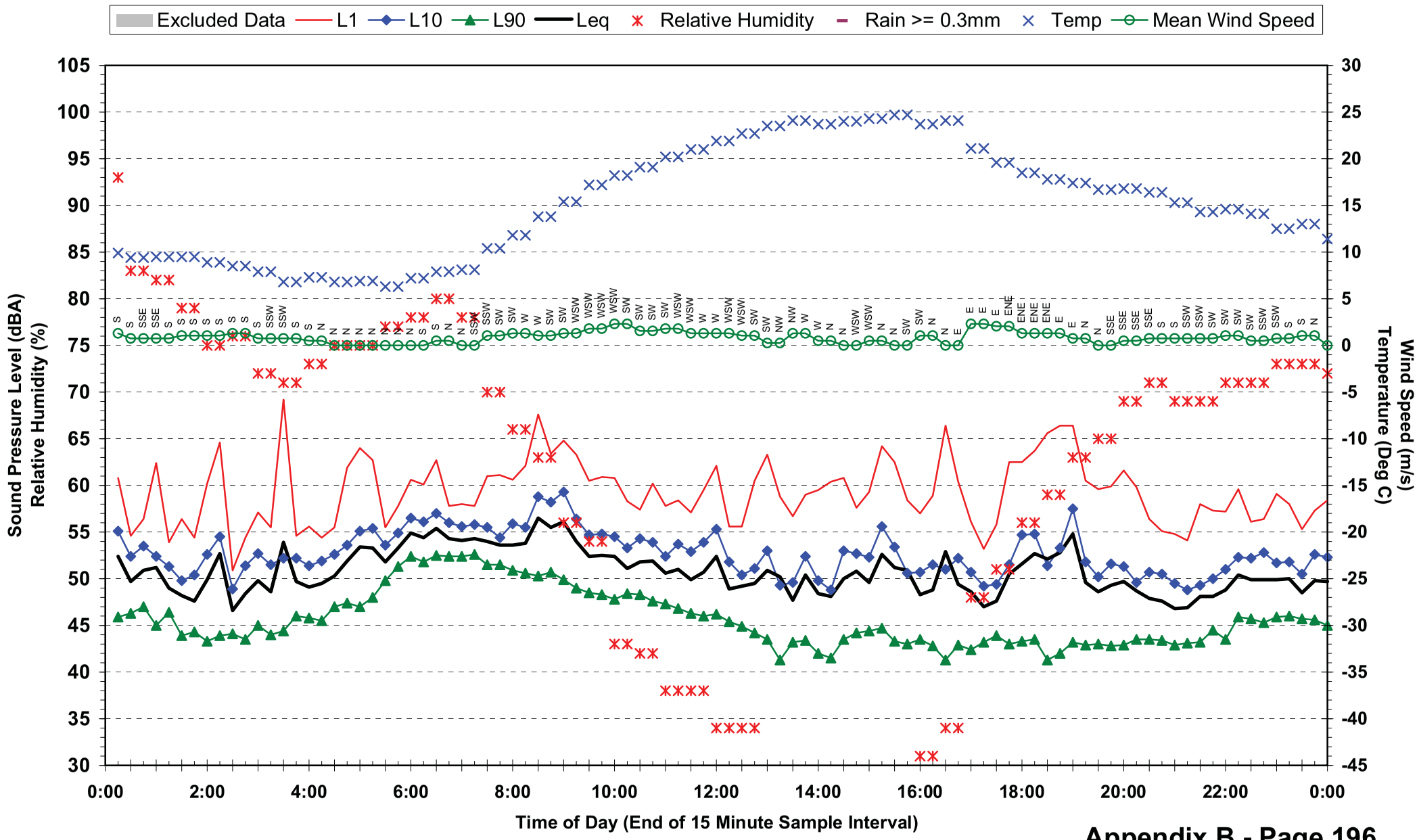
Statistical Ambient Noise Levels
Location 20 - 14 Bellevue Ave - Thursday 13 May 2010



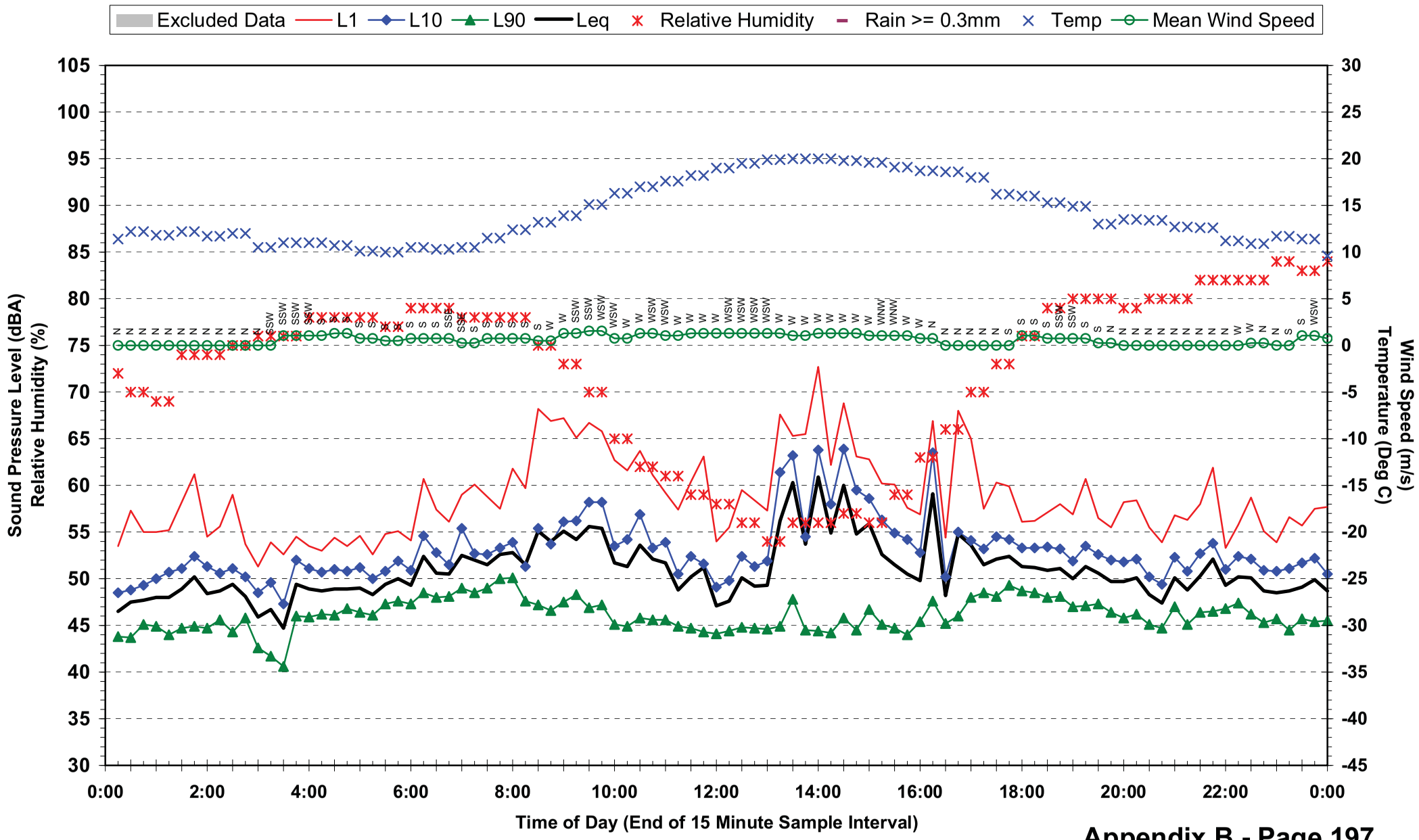
Statistical Ambient Noise Levels
Location 20 - 14 Bellevue Ave - Friday 14 May 2010



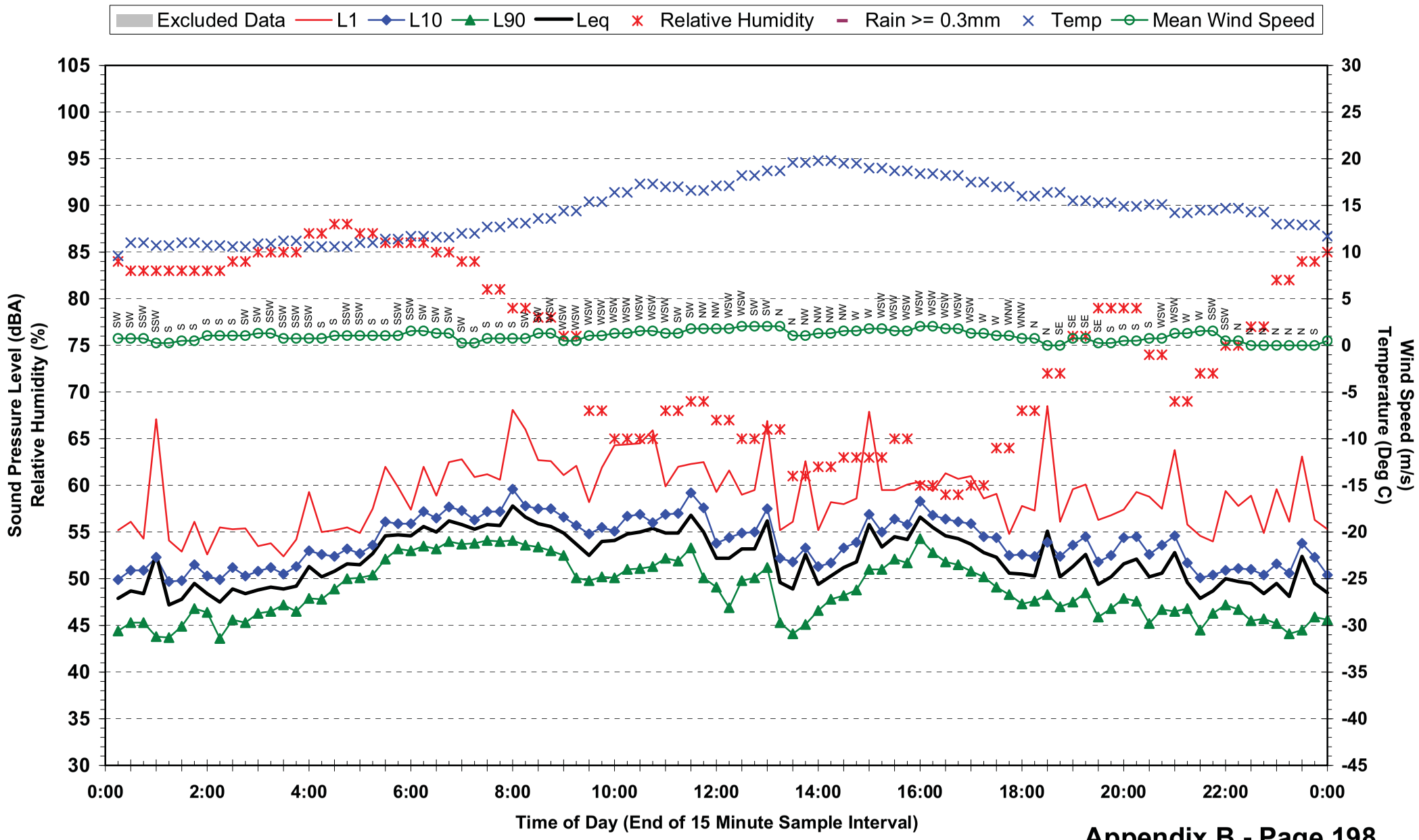
Statistical Ambient Noise Levels
Location 20 - 14 Bellevue Ave - Saturday 15 May 2010



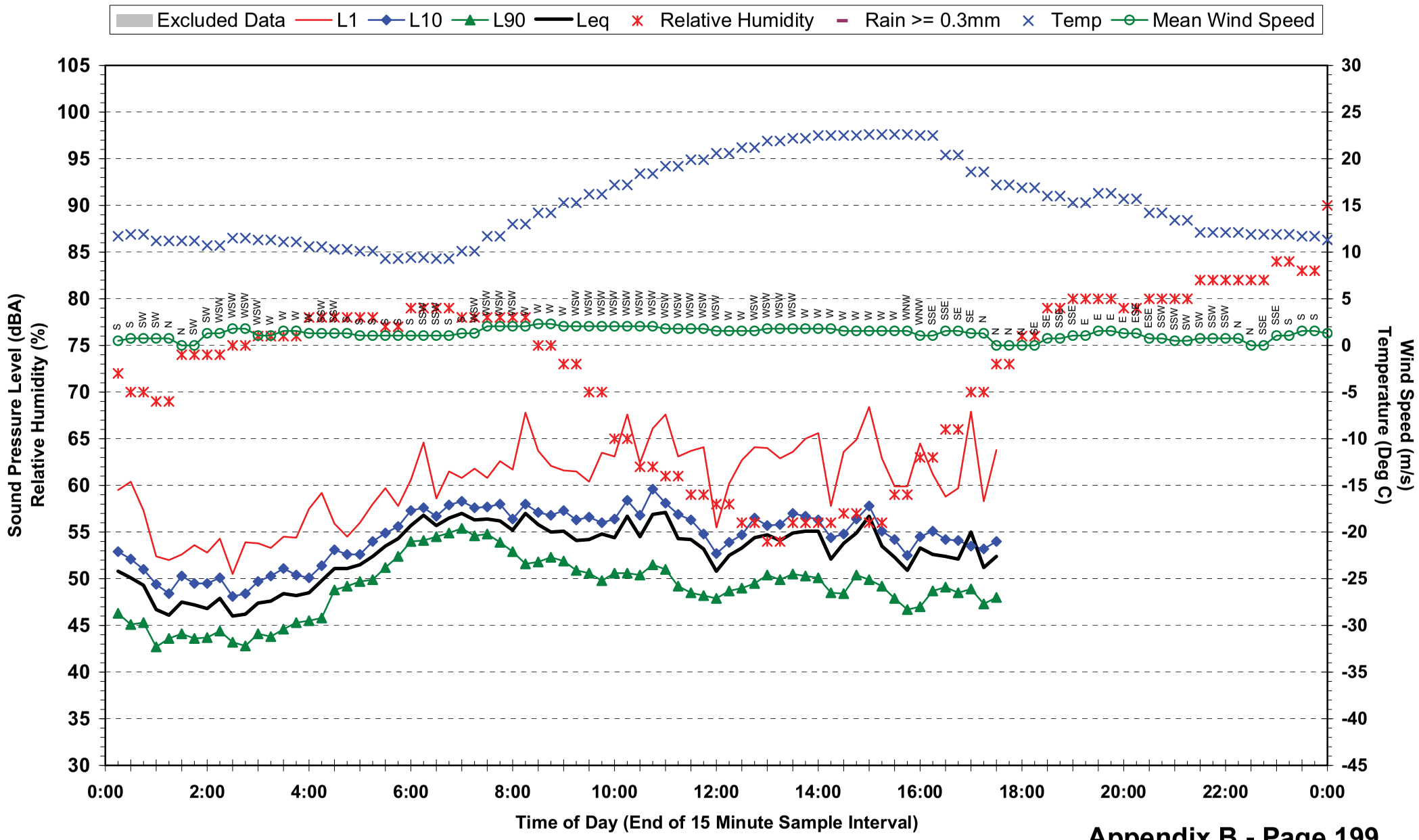
Statistical Ambient Noise Levels
Location 20 - 14 Bellevue Ave - Sunday 16 May 2010



Statistical Ambient Noise Levels
Location 20 - 14 Bellevue Ave - Monday 17 May 2010



Statistical Ambient Noise Levels
Location 20 - 14 Bellevue Ave - Tuesday 18 May 2010

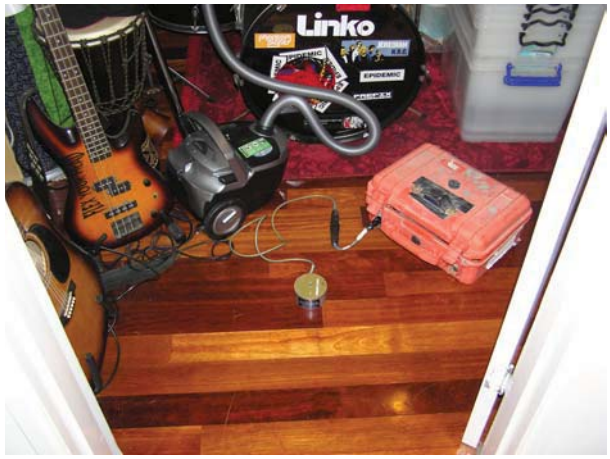
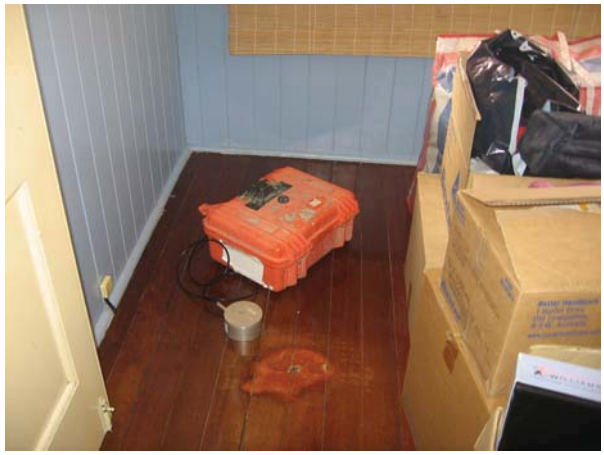


VIBRATION MONITORING LOCATIONS

CRR Vibration Monitoring Locations

Monitoring Location	Address	Comments	Photo
1	19 Chalk St	Living room on first floor, wooden floor. Minimate Vibration Logger S/N: BE12060	
2	Brisbane Girls Grammar School	Ground Level in Science Lab preparation room. Linoleum matt on concrete. Minimate Vibration Logger S/N: BE8757	
3	St Andrews War Memorial Hospital	Level 2 next to room with vibration sensitive equipment (MRI-system). Linoleum matt on concrete. Minimate Vibration Logger S/N: BE12060	

Monitoring Location	Address	Comments	Photo
4	3 Parkland Crescent	In lunch room of small office (personnel to avoid being closer than 1 m from vibration sensor) on ground level. Linoleum matt on concrete. Minimate Vibration Logger S/N: BE6513	
5	Queensland University of Technology (QUT)	Ground Level next to vibration sensitive equipment (electron microscope). Linoleum matt on concrete. Minimate Vibration Logger S/N: BE12060	
6	58 Leopard St	Used living space on ground floor under Queenslander. Concrete slab on ground. Minimate Vibration Logger S/N: BE12060	

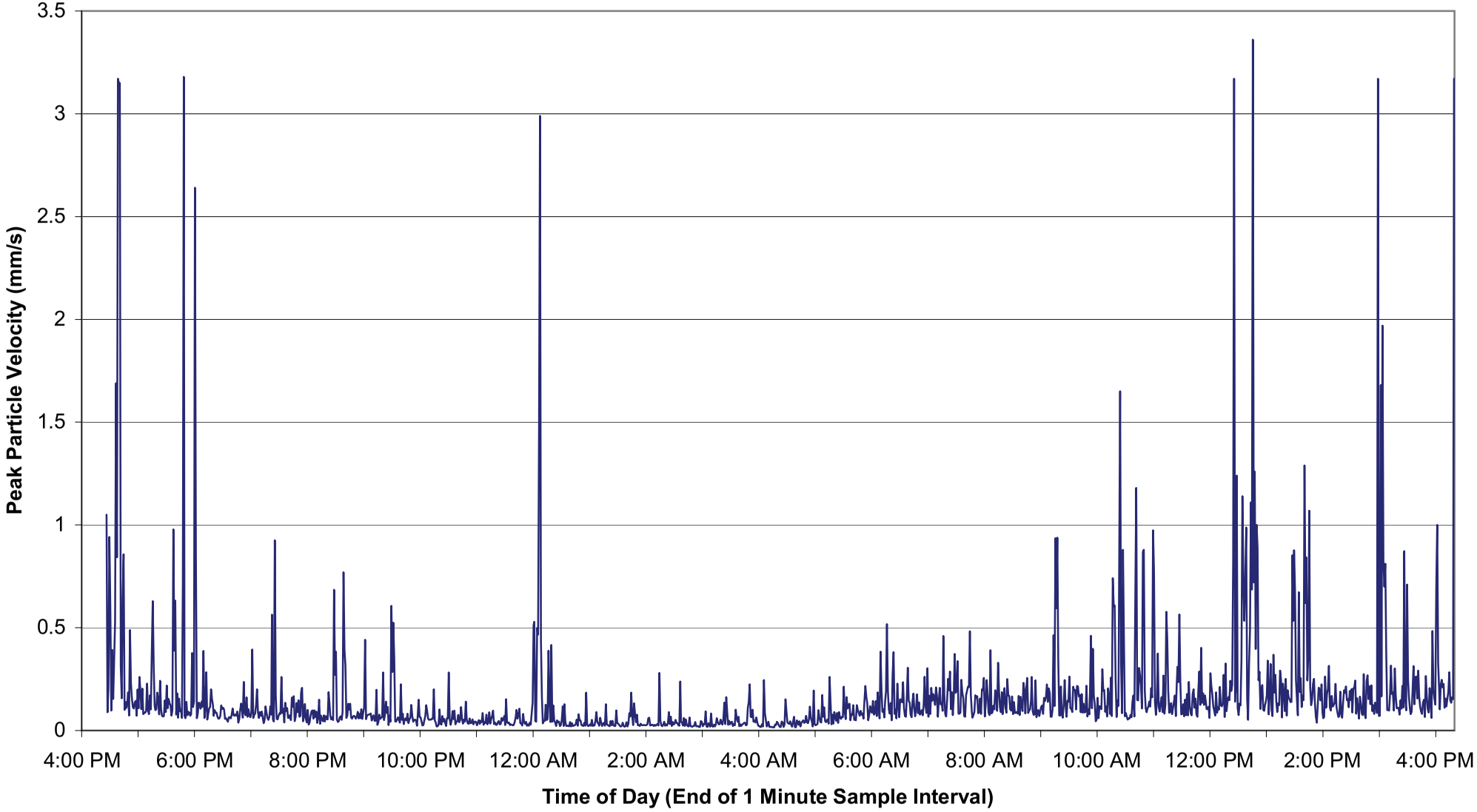
Monitoring Location	Address	Comments	Photo
7	46 Ross St	Spare room on first floor, wooden floor. Minimate Vibration Logger S/N: BE8757	
8	19 Dutton St	Under staircase from entrance on ground floor. Tiled floor. Minimate Vibration Logger S/N: BE6513	
9	4 Fenton St	Spare room on first floor, wooden floor. Minimate Vibration Logger S/N: BE12060	

CRR Vibration Monitoring Locations

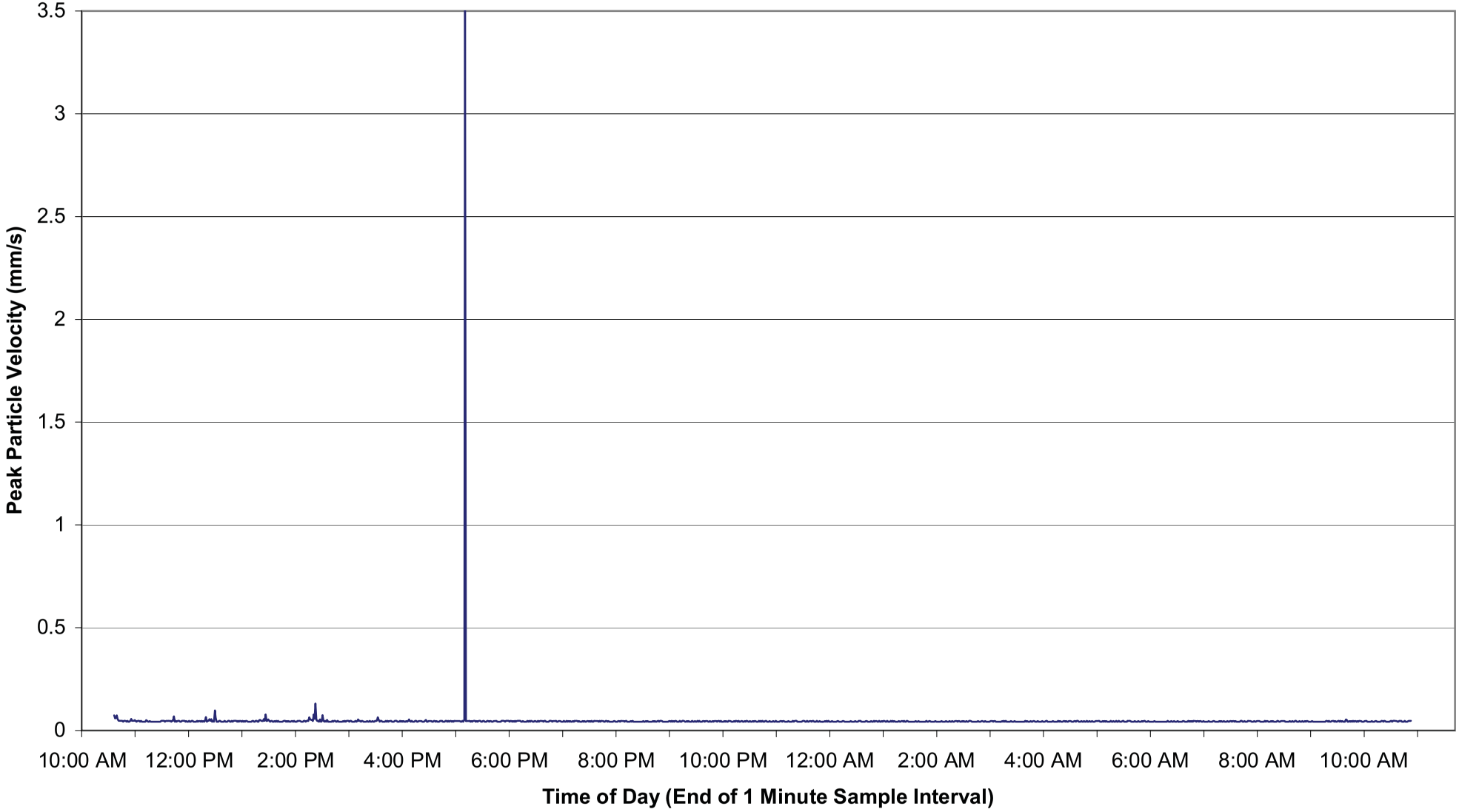
Monitoring Location	Address	Comments	Photo
10	17 Lagonda St	Bedroom on ground floor, polished concrete floor. Minimate Vibration Logger S/N: BE6513	
11	1223 Ipswich Mwy	First floor. Linoleum matt on wooden floor. Minimate Vibration Logger S/N: BE12060	

GRAPHICAL PRESENTATION OF AMBIENT VIBRATION LEVELS

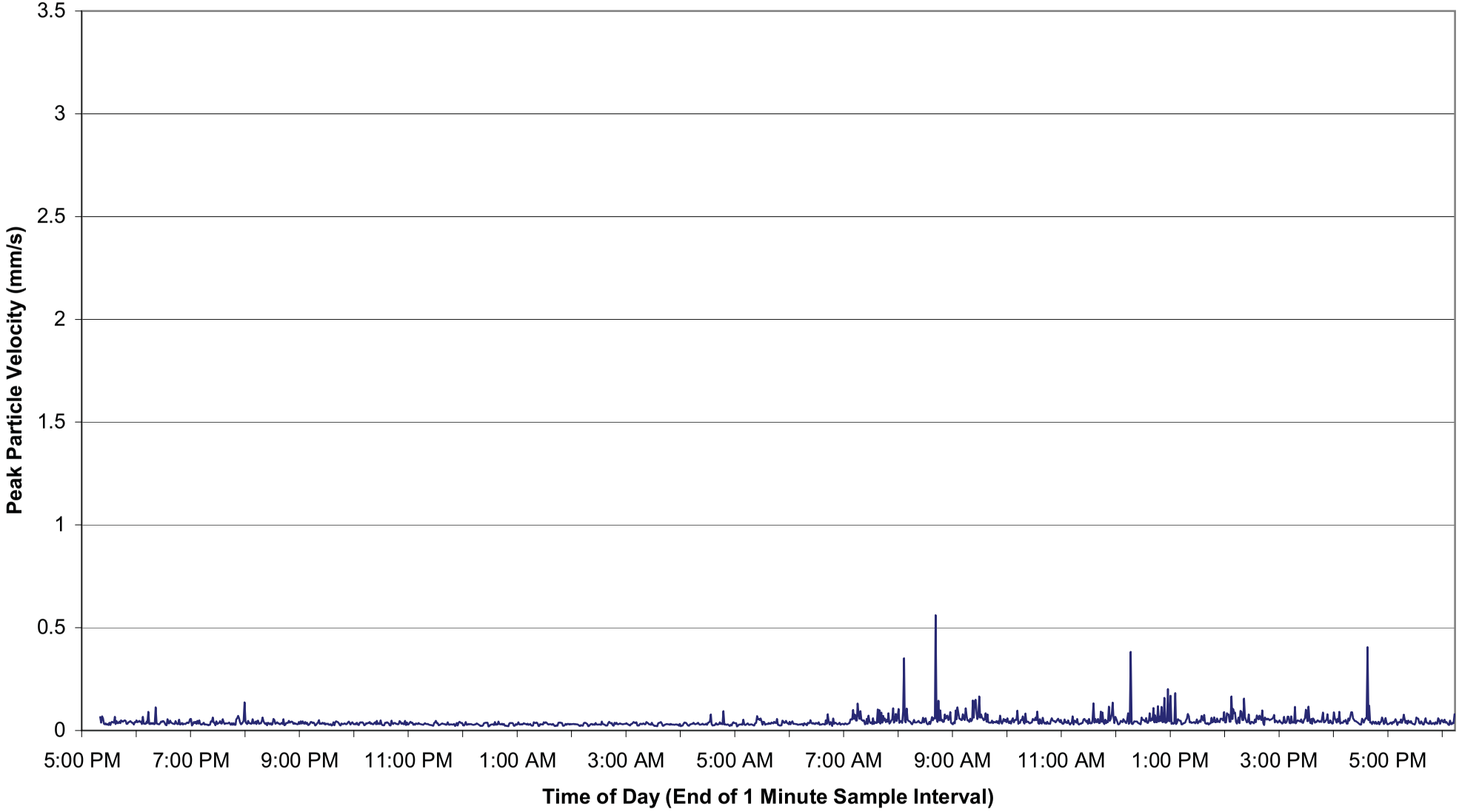
Ambient Vibration Levels
Location 1 - 19 Chalk Street - 24 May and 25 May 2010



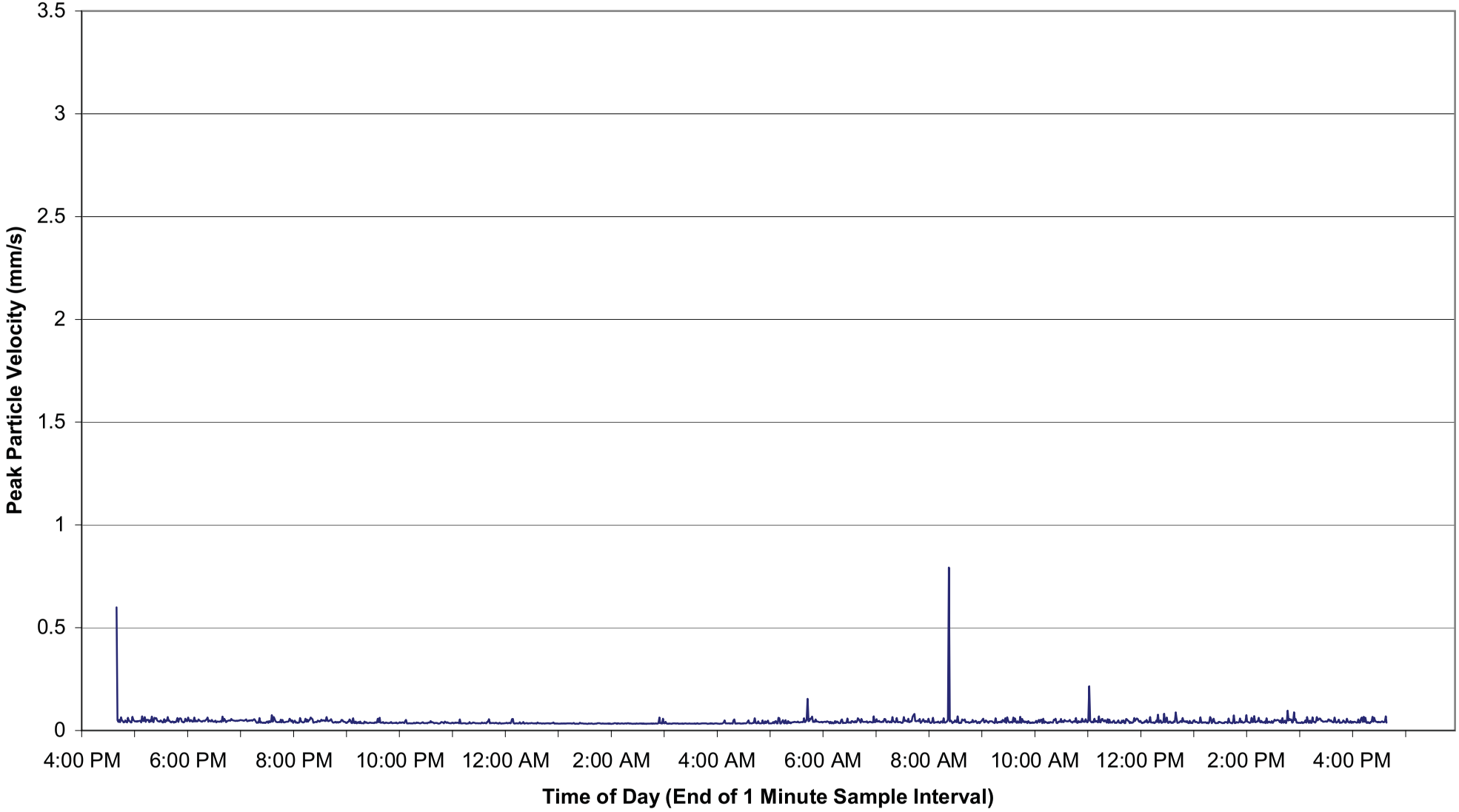
Ambient Vibration Levels
Location 2 - Brisbane Girls Grammar School - 15 July and 16 July 2010



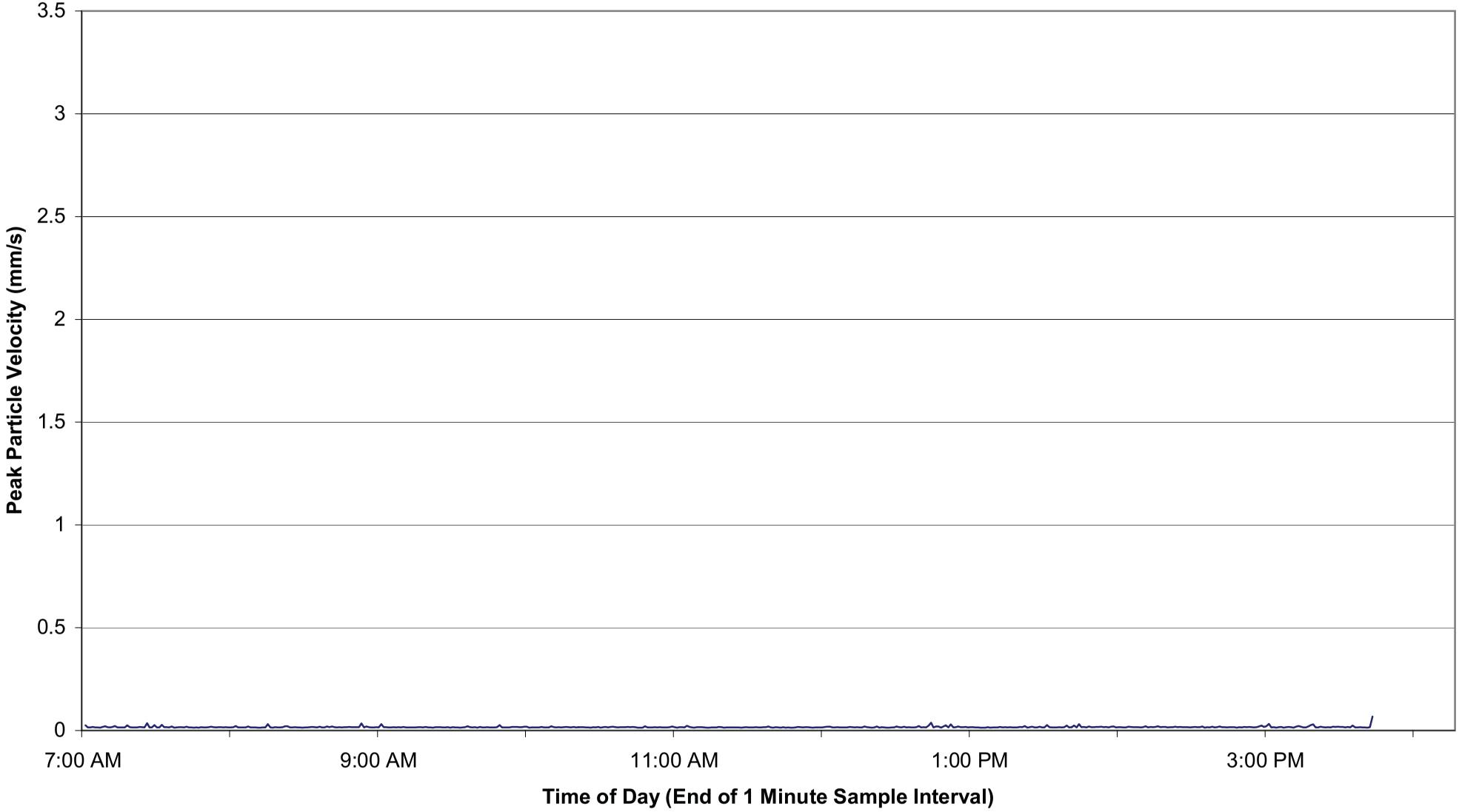
Ambient Vibration Levels
Location 3 - St Andrews Hospital - 11 May and 12 May 2010



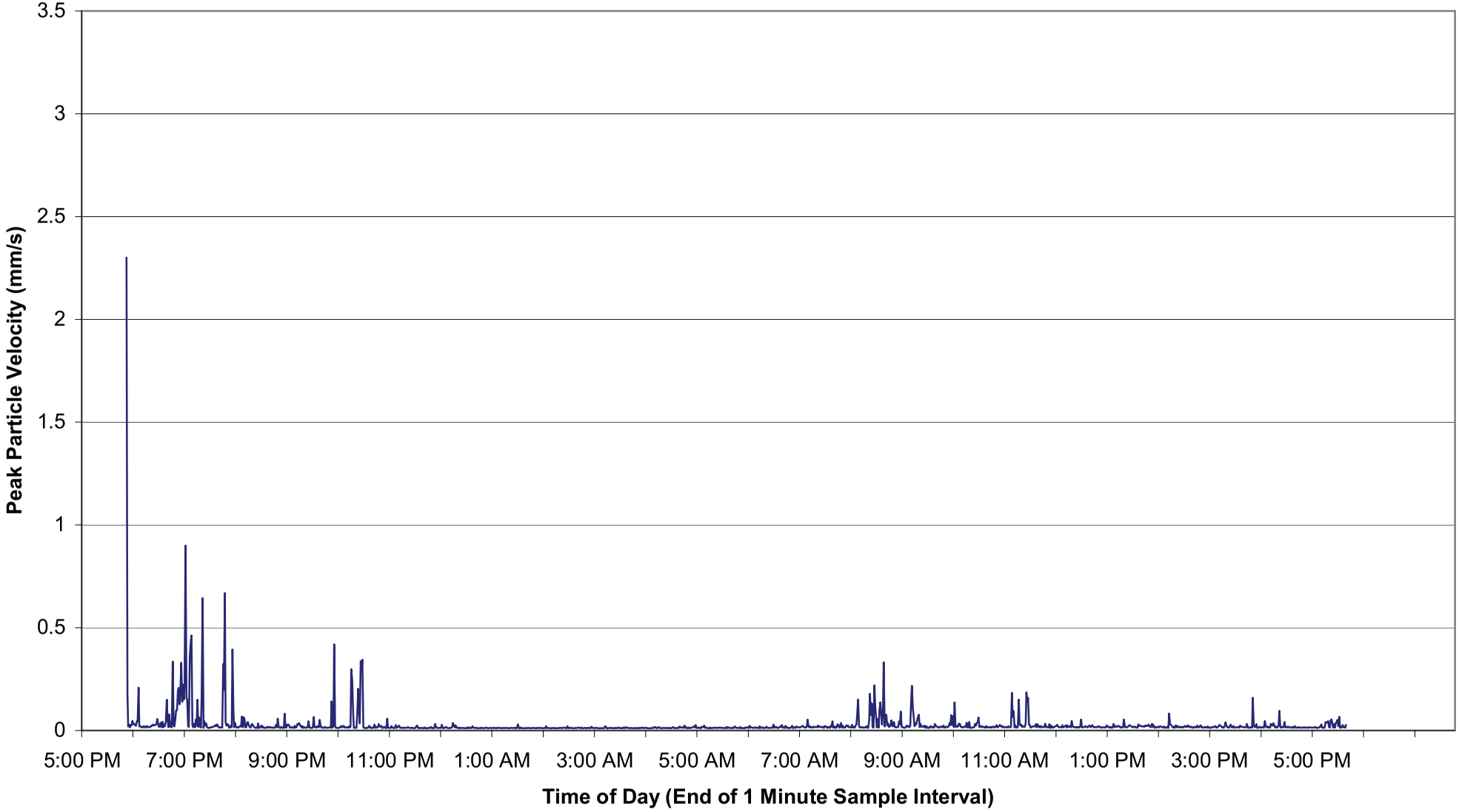
Ambient Vibration Levels
Location 4 - 3 Parkland Crescent - 18 May and 19 May 2010



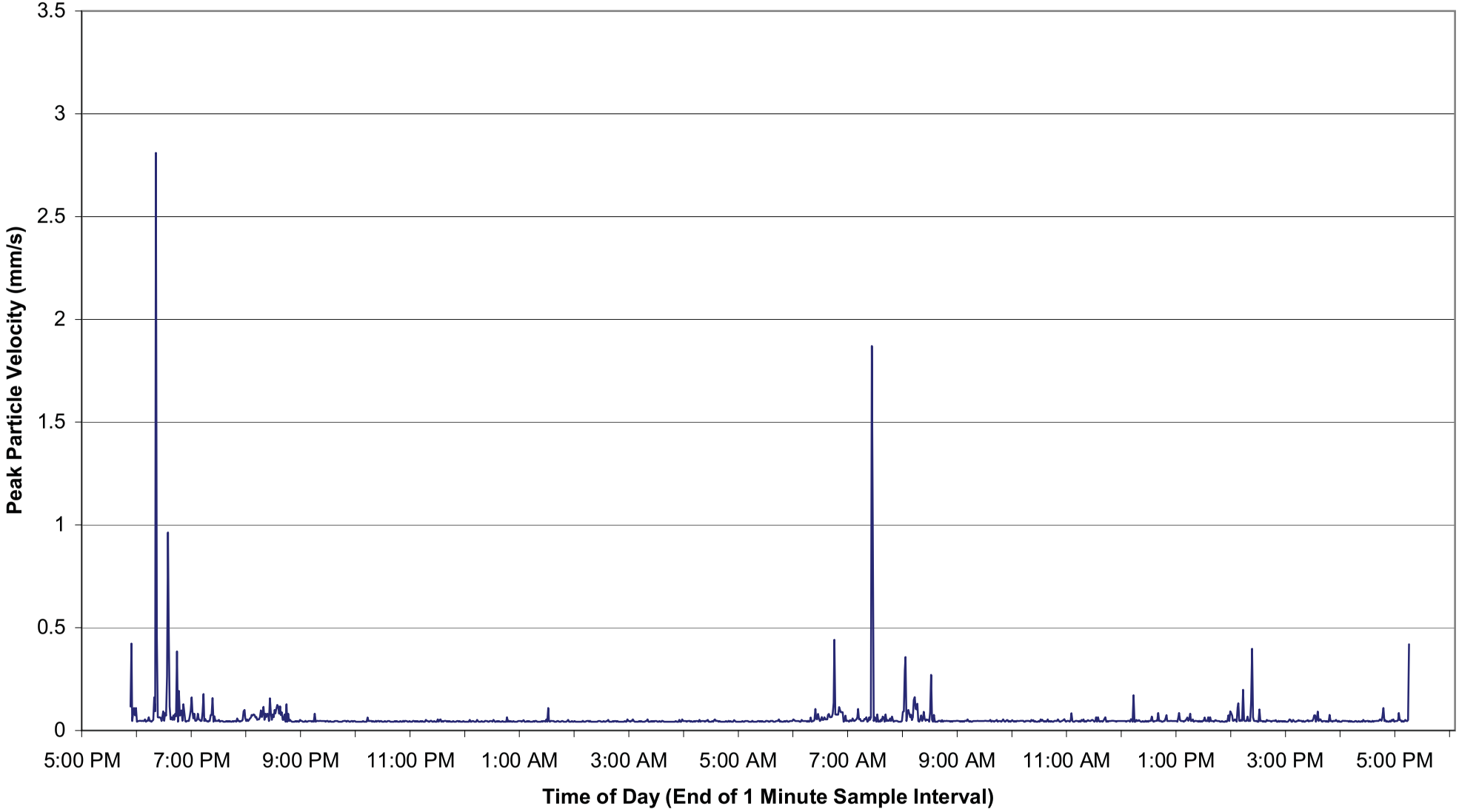
Ambient Vibration Levels
Location 5 - Queensland University of Technology - 8 May 2010



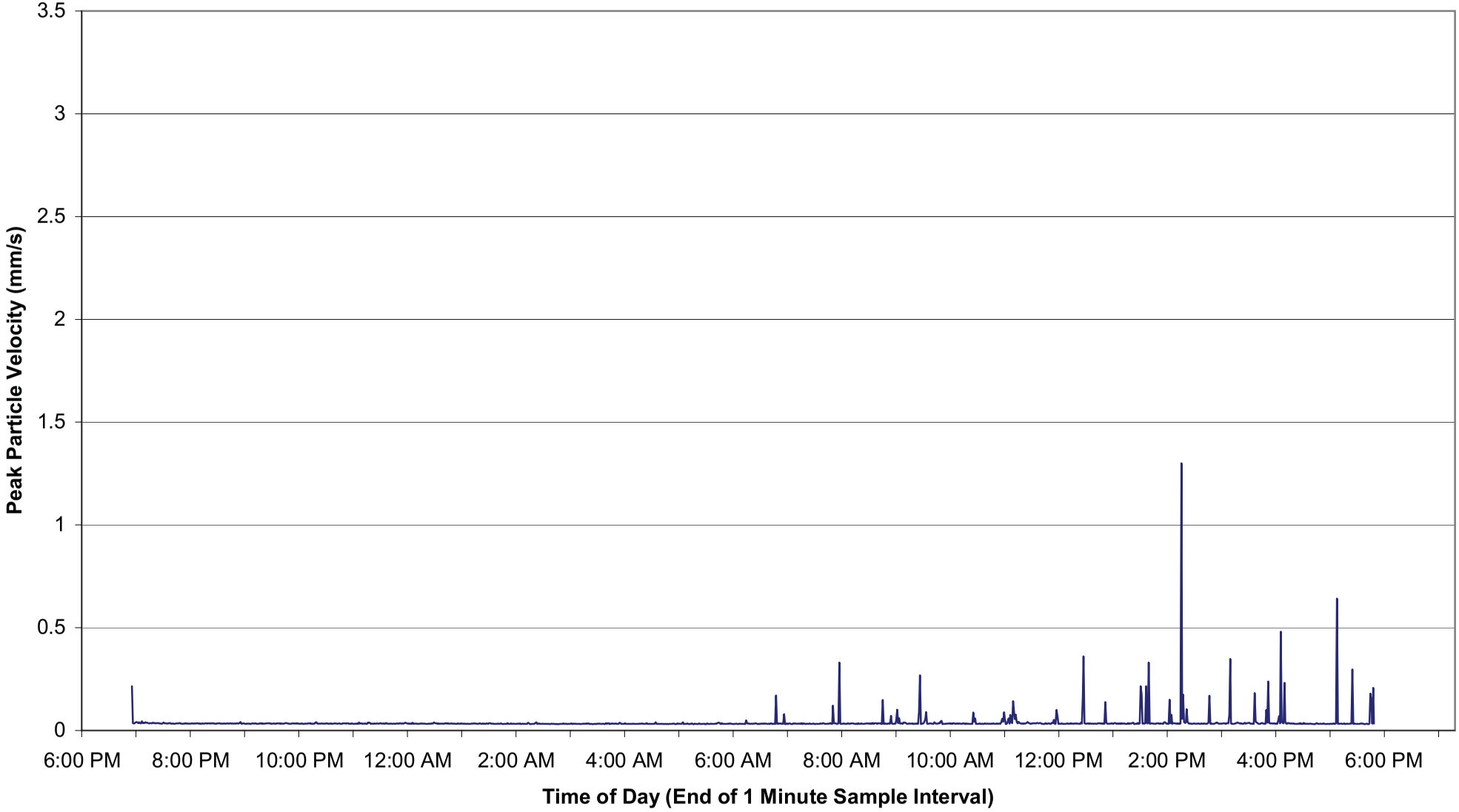
Ambient Vibration Levels
Location 6 - 58 Leopard Street - 18 May and 19 May 2010



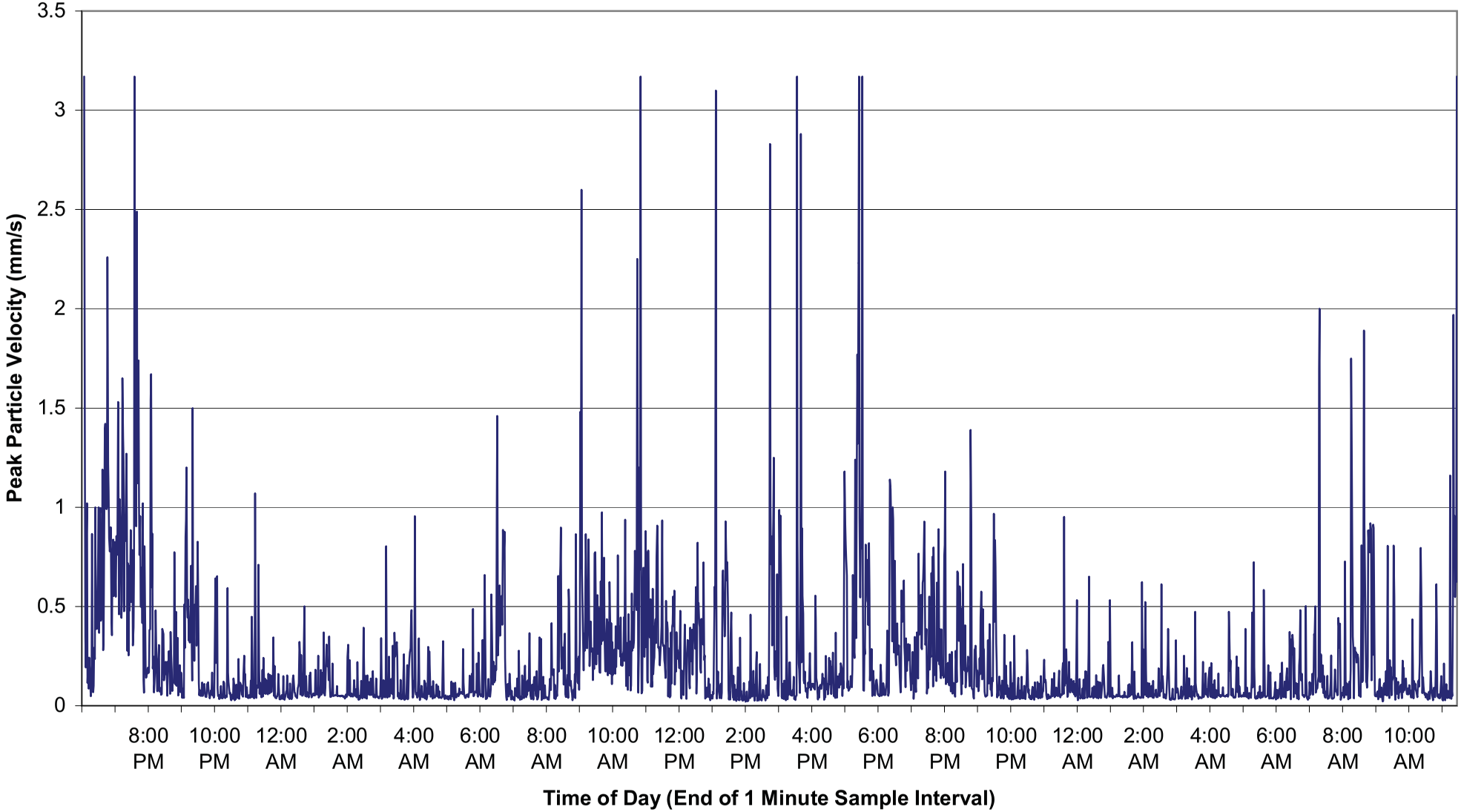
Ambient Vibration Levels
Location 7 - 46 Ross Street - 11 May and 12 May 2010



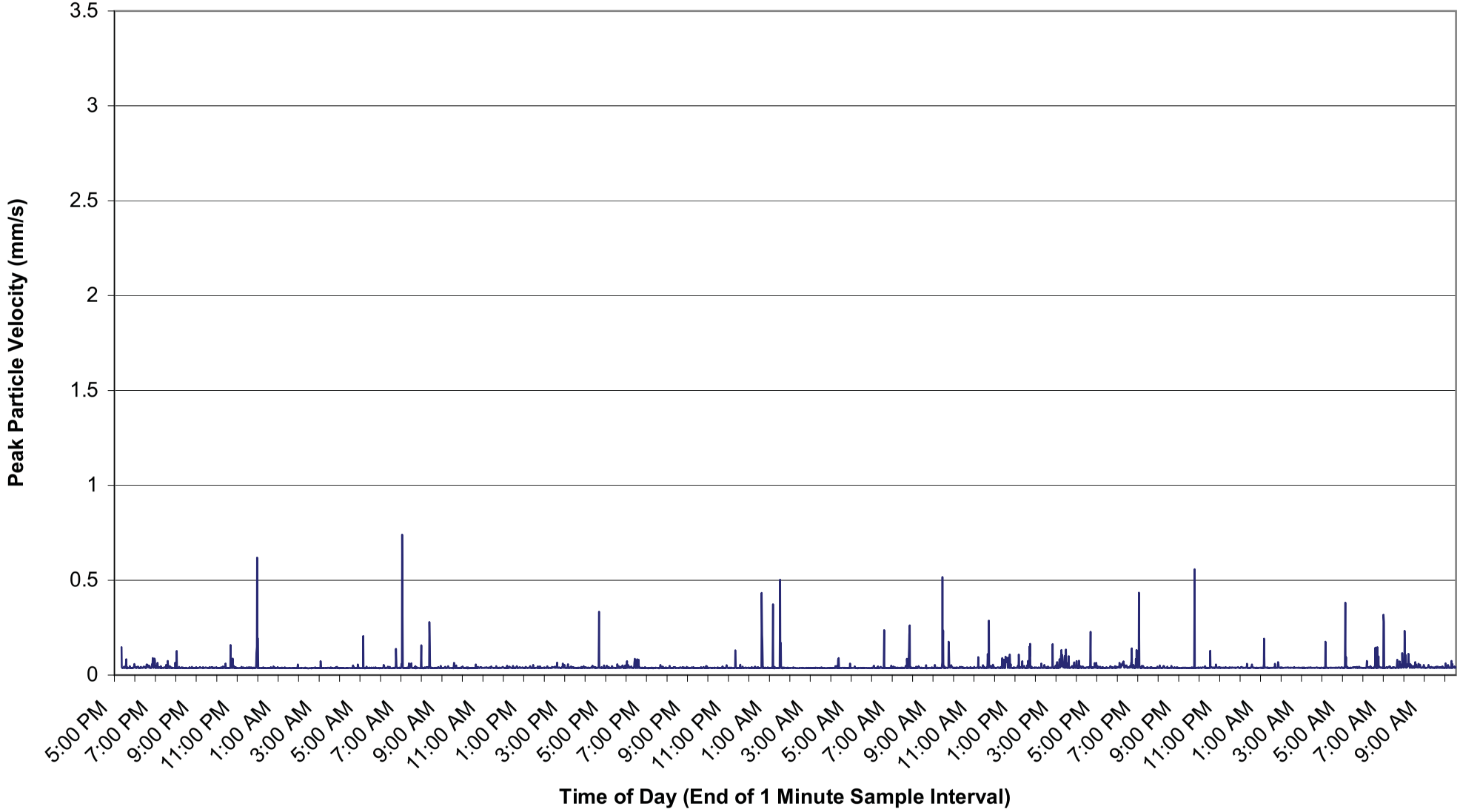
Ambient Vibration Levels
Location 8 - 19 Dutton Street - 10 May and 11 May 2010



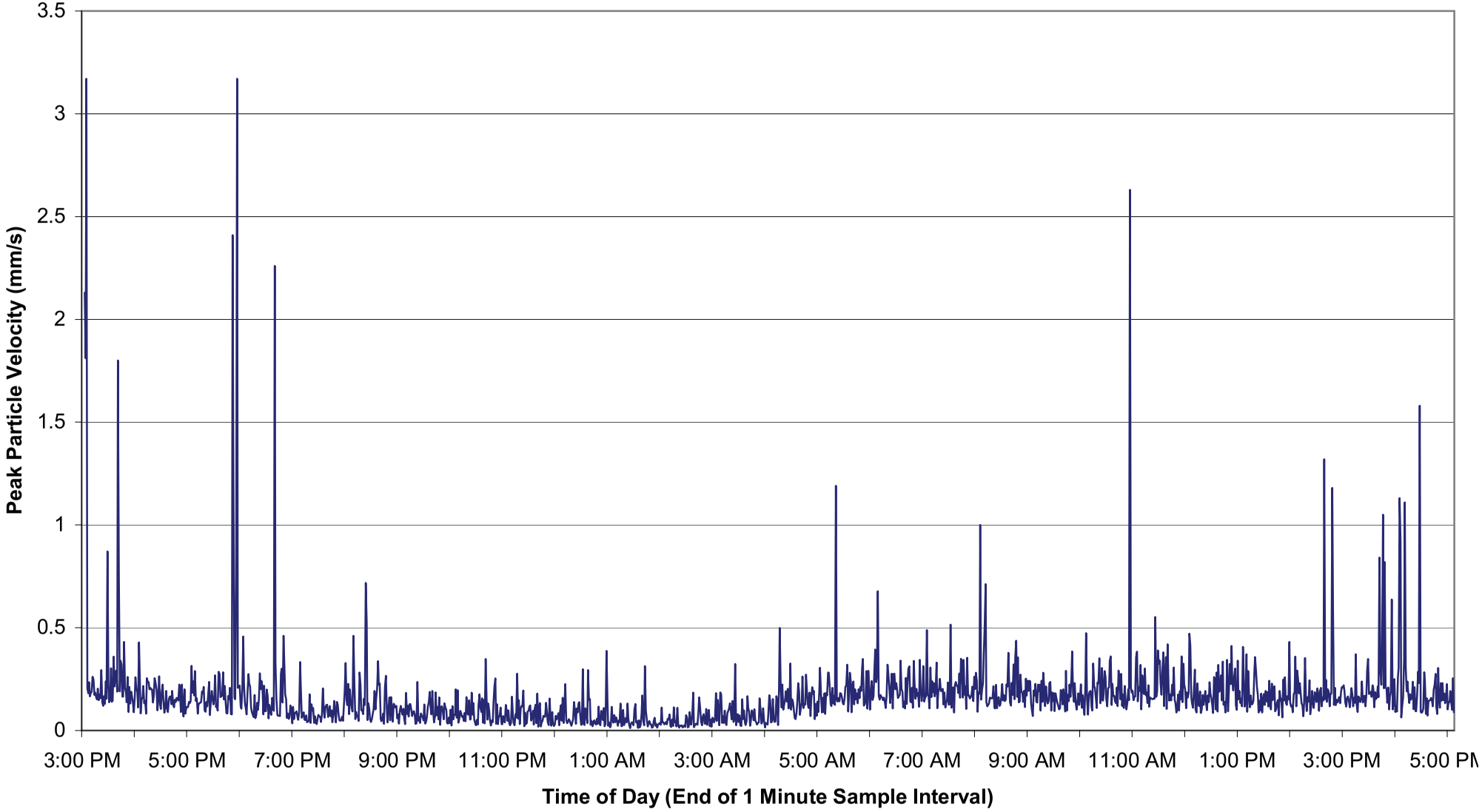
Ambient Vibration Levels
Location 9 - 4 Fento Street - 13 May and 15 May 2010



Ambient Vibration Levels
Location 10 - 17 Lagonda Street - 7 May and 10 May 2010



Ambient Vibration Levels
Location 11 - 1223 Ipswich Motorway - 17 May and 18 May 2010



SPECIAL NOISE AND VIBRATION SENSITIVE RECEIVERS

Special Noise and Vibration Sensitive Receivers

Receiver Type	Facility	Location
Medical, Health Care	Royal Brisbane and Women's Hospital	Butterfield Street, Herston
	Royal Children's Hospital	Herston Road, Herston
	Yeronga Veterinary Surgery	17 Railway Road, Fairfield
	Fairfield Dental Practice	174 Fairfield Road, Fairfield
	Highgate Hill Veterinary Surgery	188 Annerley Road, Dutton Park
	Abardeen Medical Clinic	470 Main Street, Kangaroo Point
	CBD 7 Day Medical Centre	245 Albert Street, Brisbane
	Brisbane Dental Hospital and College	168 Turbot Street, Brisbane
	St Andrews Hospital	457 Wickham Tce, Spring Hill
Child care	Grosvenor Hall Child Care Centre (also heritage listed)	156 School Road, Yeronga
Place of Worship	St Fabians Church	Wilkie Street, Yeerongpilly
	Fairfield Christian Family	51 Cross Street, Fairfield
	Iglesia Evangelica Pentecostal	75 Brougham Street, Fairfield
	Roman Catholic Archdiocese of Brisbane Church	72 Victoria St, Fairfield
	St Nicholas Russian Orthodox Cathedral	344 Vulture Street, Woolloongabba
	Holy Trinity Anglican Church (also heritage listed)	68 Hawthorne Street, Woolloongabba
	Brisbane Australia Temple	200 River Terrace, Kangaroo Point
	St Marys Anglican Church of Australia	449 Main Street, Kangaroo Point
	Ann Street Presbyterian Church (also heritage listed)	141 Ann Street, Brisbane
	Uniting Church in Australia	120 Ann Street, Brisbane
	St Alban Liberal Catholic Church	351 Wickham Terrace, Spring Hill
Education	St Joseph's Church & School (also heritage listed)	24 Leopard Street, Kangaroo Point
	Dutton Park State School	112 Annerley Rd, Dutton Park
	Queensland University of Technology	2 George Street, Brisbane
	Brisbane Grammar School	Gregory Terrace, Spring Hill
	Brisbane Girls Grammar School	Gregory Terrace, Spring Hill
	St Joseph's College	285 Gregory Terrace, Spring Hill
	Embassy CES, Brisbane (Martin College on Level 4)	119 Charlotte Street, Brisbane
	Sarina Russo Schools Australia	82 Ann Street, Brisbane
	Women's Health Queensland Wide	165 Gregory Terrace, Spring Hill
	St Josephs Christian Brothers College	309 Gregory Terrace, Spring Hill
	Yeronga Institute of TAFE Salisbury Campus	Villa Street, Yeronga
	Nyanda State High School	Fairlie Terrace, Salisbury
Heritage	RNA Showgrounds	Gregory Terrace, Bowen Hills
	Old Museum Building	Bowen Bridge Road, Fortitude Valley
	Centenary Aquatic Centre	400 Gregory Terrace, Spring Hill
	Dutton Park Cemetery	Annerley Road, Dutton Park
	Boggo Road Jail	Boggo Rd, Dutton Park

Special Noise and Vibration Sensitive Receivers

Receiver Type	Facility	Location
	Brisbane City Hall	64 Adelaide Street, Brisbane
	Yeerongpilly Railway Station	Wilkie Street, Yeerongpilly
	Rocklea Railway Station	Brooke Street, Rocklea
	Salisbury Railway Station	Dollis Street, Salisbury
Hotel	Albert Park Motel	551 Wickham Terrace, Spring Hill
	Chalk Hotel	735 Stanley Street, Woolloongabba
	Southern Cross Serviced Apartments and Motel	715 Main Street, Kangaroo Point
	Kangaroo Point Paramount Motel	649 Main Street, Kangaroo Point
	City Star Motor Inn	650 Main Street, Kangaroo Point
	Kangaroo Motel	624 Main Street, Kangaroo Point
	Econo Inn	528 Main Street, Kangaroo Point
	Carrington	16 Albert Street, Brisbane
	Quay West Suites Brisbane	132 Alice Street, Brisbane
	Oaks 212 Margaret	212 Margaret Street, Brisbane
	Oaks River City Apartments	79 Albert Street, Brisbane
	Quest River Park Central	120 Mary Street, Brisbane
	The Sebel Suites Brisbane	95 Charlotte Street, Brisbane
	Oaks Charlotte Towers	128 Charlotte Street, Brisbane
	DB Reef Tower	123 Albert Street, Brisbane
	M on Mary Apartment Hotel	70 Mary Street, Brisbane
	Oaks Festival Towers	108 Albert Street, Brisbane
	Royal Albert Boutique Hotel Brisbane	167 Albert Street, Brisbane
	Crest Hotel	2 Roma Street, Brisbane
	City Park Serviced Apartments	251 Gregory Terrace, Spring Hill
Commercial/Research, vibration sensitive equipment	Eco-Science Precinct	Boggo Rd, Dutton Park

PREDICTED OPERATIONAL NOISE LEVELS

Predicted Operational Noise Levels

Receiver	2021 - Existing Mitigation Only		2031 - Existing Mitigation Only		2031 - With Proposed Mitigation	
	Leq	Lmax	Leq	Lmax	Leq	Lmax
Northern Section						
Fortitude Valley 1	55	73	55	73	55	73
Fortitude Valley 2	54	73	54	73	54	73
Fortitude Valley 3	58	75	58	75	58	75
Fortitude Valley 3b	58	75	58	75	58	75
Fortitude Valley 4	58	74	58	74	58	75
Spring Hill 1	58	74	58	74	58	74
Spring Hill 2	58	74	59	74	59	74
Spring Hill 3	57	73	57	73	57	73
Spring Hill 4	50	66	51	66	51	66
Spring Hill 5	55	72	56	72	56	72
Spring Hill 6	56	73	56	73	56	73
Spring Hill 7	57	74	57	74	57	74
Spring Hill 8	54	70	54	70	54	70
Spring Hill 9	55	72	56	72	56	72
Spring Hill 10	54	71	55	71	55	71
Spring Hill 11a	56	74	57	74	57	74
Spring Hill 11b	57	75	58	75	58	75
Spring Hill 12	58	75	59	75	59	75
Spring Hill 12b	58	75	58	75	58	75
Spring Hill 12c	58	76	59	76	59	76
Spring Hill 12d	55	75	56	75	56	75
Windsor 1	61	82	61	82	61	82
Windsor 2	61	81	61	81	61	81
Windsor 3	60	74	60	74	60	74
Windsor 4	57	72	57	72	57	72
Windsor 5	58	74	58	74	58	74
Windsor 6	58	73	58	73	58	73
Windsor 7	60	75	60	75	60	75
Windsor 8	59	74	59	74	59	74
Windsor 9	59	73	59	73	59	73
Windsor 10	57	71	58	71	58	71
Windsor 11	58	71	58	71	58	71
Windsor 12	56	68	56	68	56	68
Windsor 13	56	68	56	68	56	68
Windsor 14	56	69	56	69	56	69
Windsor 15	55	67	55	67	55	67
Windsor 16	55	67	56	67	56	67
Windsor 17	56	69	57	69	57	69
Windsor 18	58	70	59	70	59	70
Windsor 19	56	69	57	69	57	69
Windsor 20	56	69	56	69	56	69
Southern Section						
Moorooka 1	58	74	61	76	61	76
Moorooka 2	56	71	58	73	58	73

Predicted Operational Noise Levels

Receiver	2021 - Existing Mitigation Only		2031 - Existing Mitigation Only		2031 - With Proposed Mitigation	
	Leq	Lmax	Leq	Lmax	Leq	Lmax
Moorooka 3	55	70	58	72	58	72
Moorooka 4	54	69	57	71	57	71
Moorooka 5	57	72	60	74	60	74
Moorooka 6	56	72	59	74	59	74
Moorooka 6b	53	69	56	71	56	71
Moorooka 7	57	72	60	74	60	74
Moorooka 8	56	72	59	74	59	74
Moorooka 9	57	74	60	76	60	76
Moorooka 10	59	76	63	77	62	77
Moorooka 11	59	76	63	78	63	78
Moorooka 12	59	77	62	79	62	79
Moorooka 13	60	77	63	79	63	79
Moorooka 14	60	77	64	79	64	79
Moorooka 15	60	77	63	79	63	79
Moorooka 16	59	76	63	77	63	77
Moorooka 17	58	74	62	76	62	76
Moorooka 18	58	75	62	76	62	76
Moorooka 19	59	75	62	77	62	77
Moorooka 20	58	74	62	76	62	76
Moorooka 21	61	77	64	79	64	79
Moorooka 22	59	75	62	76	62	76
Moorooka 23	58	72	60	74	60	74
Moorooka 25	58	71	61	73	61	73
Moorooka 26	60	74	63	76	63	76
Moorooka 27	58	73	61	75	61	75
Moorooka 28	57	73	60	75	60	75
Moorooka 29	58	75	60	75	60	75
Moorooka 30	58	75	61	75	61	75
Moorooka 31	57	73	60	73	60	73
Moorooka 32	56	71	59	72	59	72
Moorooka 33	57	73	60	73	60	73
Moorooka 34	58	74	60	74	60	75
Moorooka 35	56	75	59	75	59	75
Moorooka 36	56	74	58	74	58	74
Moorooka 37	55	74	58	74	58	74
Moorooka 38	54	73	57	73	57	74
Moorooka 39	54	74	56	74	57	74
Moorooka 40	54	75	57	75	57	75
Moorooka 41	54	74	57	74	57	74
Moorooka 42	54	72	56	72	56	73
Moorooka 43	54	73	57	73	57	73
Moorooka 44	54	74	57	74	57	74
Moorooka 45	55	74	57	74	57	75
Moorooka 46	55	74	58	74	58	74
Moorooka 47	55	74	58	74	58	75

Predicted Operational Noise Levels

Receiver	2021 - Existing Mitigation Only		2031 - Existing Mitigation Only		2031 - With Proposed Mitigation	
	Leq	Lmax	Leq	Lmax	Leq	Lmax
Moorooka 48	55	73	58	73	58	73
Moorooka 49	55	73	57	73	57	73
Moorooka 50	55	73	58	73	58	73
Moorooka 51	55	75	58	75	58	75
Moorooka 52	56	77	58	77	58	77
Moorooka 53	55	76	58	76	58	76
Moorooka 54	53	72	56	72	56	72
Moorooka 55	53	71	55	71	55	71
Rocklea 1	61	**88**	62	**88**	60	86
Rocklea 2	52	77	55	77	55	77
Rocklea 3	52	74	55	74	55	74
Rocklea 4	54	78	56	78	56	77
Rocklea 5	56	79	58	79	57	78
Rocklea 6	56	79	58	79	58	79
Rocklea 7	58	82	60	82	60	81
Rocklea 8	56	82	58	82	58	82
Rocklea 9	57	83	59	83	58	83
Rocklea 10	57	87	59	87	59	87
Rocklea 11	60	87	62	87	62	87
Rocklea 11b	60	**88**	62	**88**	62	**88**
Rocklea 11c	58	86	60	86	60	86
Rocklea 12	56	81	58	81	58	81
Rocklea 13	56	78	58	78	58	78
Rocklea 14	58	85	60	85	58	83
Rocklea 15	57	84	59	84	58	82
Rocklea 16	63	**92**	65	**92**	61	84
Rocklea 17	58	83	59	83	59	82
Rocklea 19	58	84	59	84	59	84
Rocklea 20	58	85	60	85	60	85
Rocklea 21	58	84	60	84	60	84
Rocklea 22	58	84	60	84	60	84
Rocklea 23	58	83	60	83	60	83
Rocklea 24	53	80	55	80	55	80
Rocklea 25	57	83	59	83	59	83
Rocklea 26	57	81	59	81	59	81
Rocklea 27	59	83	60	83	60	83
Rocklea 28	58	84	60	84	60	84
Rocklea 29	54	80	56	80	56	80
Rocklea 30	54	80	56	80	56	80
Rocklea 31	51	72	54	72	54	72
Rocklea 32	49	67	52	67	52	67
Rocklea 33	51	69	54	69	54	69
Rocklea 34	51	68	53	68	53	68
Rocklea 35	51	69	54	69	54	69
Rocklea 36	50	69	53	69	53	69

Predicted Operational Noise Levels

Receiver	2021 - Existing Mitigation Only		2031 - Existing Mitigation Only		2031 - With Proposed Mitigation	
	Leq	**Lmax**	**Leq**	**Lmax**	**Leq**	**Lmax**
Rocklea 37	51	69	53	69	53	69
Rocklea 38	50	70	53	70	53	70
Rocklea 39	51	72	54	72	54	72
Rocklea 3b	54	77	57	77	57	76
Rocklea 40	52	71	54	71	54	71
Rocklea 41	50	68	52	68	52	68
Rocklea 42	51	71	54	71	54	71
Rocklea 43	51	72	53	72	53	72
Rocklea 44	53	73	55	73	55	73
Rocklea 45	53	75	55	75	55	75
Rocklea 46	53	74	55	74	55	74
Rocklea 47	54	75	56	75	56	75
Rocklea 48	52	75	55	75	55	75
Rocklea 49	53	76	55	76	55	76
Rocklea 50	53	77	56	77	56	77
Rocklea 51	54	79	56	79	56	79
Rocklea 52	55	81	56	81	56	81
Rocklea 53	56	82	57	82	57	82
Rocklea 54	57	83	58	83	58	83
Rocklea 55	58	84	59	84	59	84
Rocklea 56	58	84	60	84	60	84
Rocklea 57	59	85	60	85	60	85
Rocklea 58	56	79	57	79	57	79
Rocklea 59	57	82	58	82	58	82
Salisbury 1	65	83	**69**	85	64	82
Salisbury 2	62	80	65	80	63	78
Salisbury 3	63	80	**66**	82	63	78
Salisbury 4	58	76	61	76	59	74
Salisbury 5	56	74	59	74	58	74
Salisbury 6	**67**	87	**71**	**88**	65	82
Salisbury 7	**66**	86	**70**	87	65	81
Salisbury 8	65	85	**69**	86	63	80
Salisbury 9	**67**	87	**71**	**88**	64	80
Salisbury 10	**66**	85	**70**	87	64	80
Salisbury 11	**66**	86	**70**	87	65	82
Salisbury 12	**67**	86	**71**	87	**69**	85
Salisbury 13	61	80	64	81	63	79
Salisbury 14	62	80	**66**	82	65	81
Salisbury 15	62	80	65	81	64	81
Salisbury 16	61	80	65	81	64	81
Salisbury 17	**67**	85	**71**	87	**71**	87
Salisbury 18	**67**	85	**70**	87	**70**	87
Salisbury 19	**67**	86	**71**	87	**71**	87
Salisbury 20	**69**	**88**	**72**	**89**	**72**	**89**
Salisbury 21	**69**	**88**	**72**	**89**	**71**	**88**

Predicted Operational Noise Levels

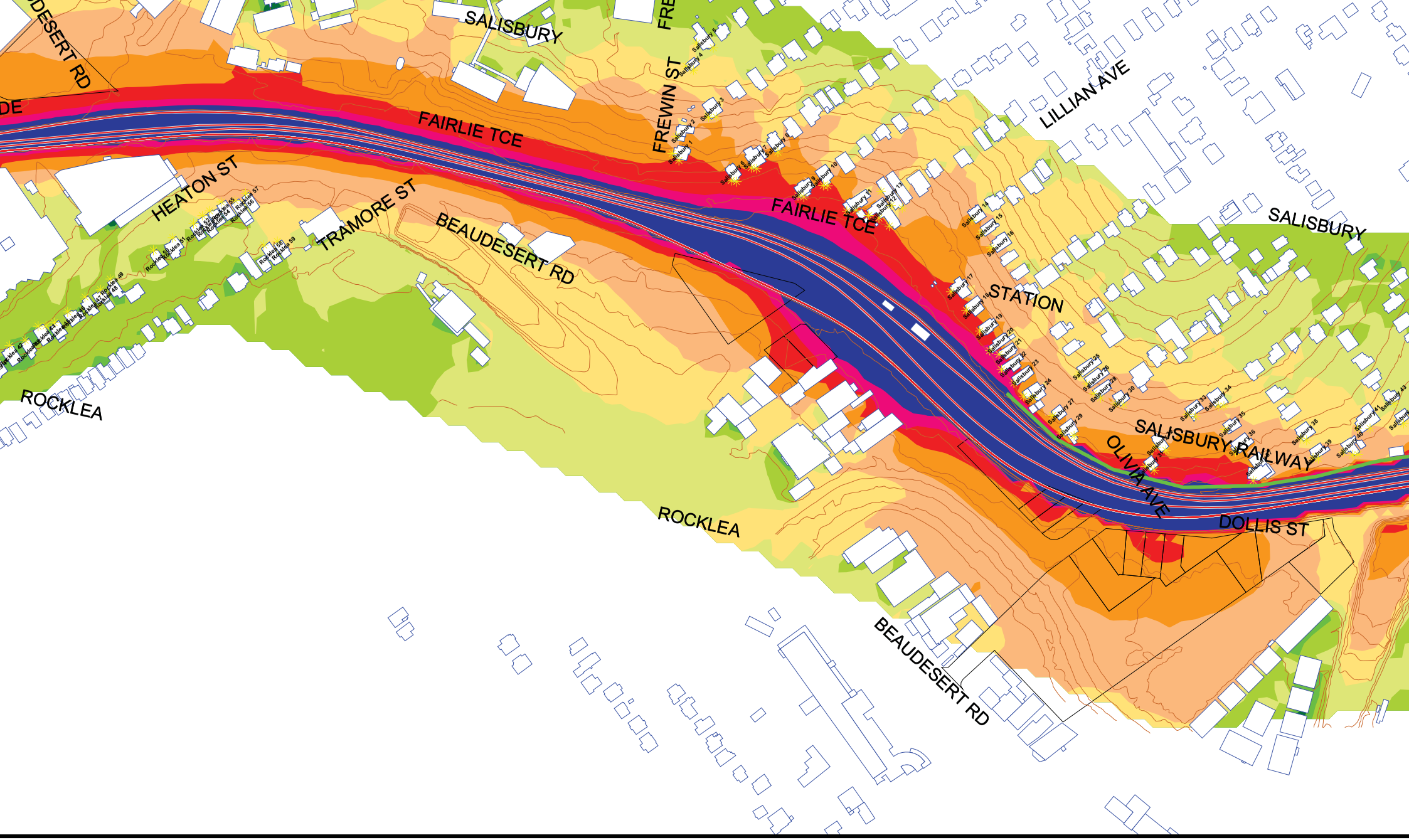
Receiver	2021 - Existing Mitigation Only		2031 - Existing Mitigation Only		2031 - With Proposed Mitigation	
	Leq	Lmax	Leq	Lmax	Leq	Lmax
Salisbury 22	**69**	**88**	**72**	**90**	**72**	**89**
Salisbury 23	**68**	87	**71**	**88**	**71**	**88**
Salisbury 24	**68**	86	**71**	**88**	**66**	83
Salisbury 25	63	80	**66**	81	64	81
Salisbury 26	61	79	64	79	61	75
Salisbury 27	65	82	**68**	84	64	81
Salisbury 28	61	78	64	79	60	74
Salisbury 29	**66**	85	**69**	86	64	81
Salisbury 30	62	80	65	80	61	76
Salisbury 31	**67**	86	**70**	86	64	80
Salisbury 32	**66**	84	**69**	84	62	77
Salisbury 33	61	80	64	80	60	73
Salisbury 34	62	82	65	82	59	74
Salisbury 35	62	82	65	82	59	74
Salisbury 36	**66**	86	**69**	86	61	78
Salisbury 37	**72**	**91**	**75**	**91**	**66**	86
Salisbury 38	61	84	64	84	59	76
Salisbury 39	**66**	**88**	**69**	**88**	61	79
Salisbury 40	62	86	65	86	59	74
Salisbury 41	59	82	61	82	58	76
Salisbury 42	58	82	61	82	57	77
Salisbury 43	58	81	60	81	57	74
Salisbury 44	54	74	57	74	55	71
Salisbury 45	53	75	56	75	55	75
Salisbury 46	52	72	55	72	54	72
Salisbury 47	52	70	54	70	54	70
Yeerongpilly 4	62	86	62	86	62	87
Yeerongpilly 5	59	84	60	84	59	84
Yeerongpilly 5b	56	79	57	79	57	81
Yeerongpilly 6	60	81	61	81	61	83
Yeerongpilly 7	62	81	63	81	62	83
Yeerongpilly 10	61	80	61	80	61	84
Yeerongpilly 11	62	81	63	81	63	81
Yeerongpilly 13	60	79	61	79	60	82
Yeerongpilly 15	62	80	63	80	62	80
Yeerongpilly 16	60	78	61	78	61	83
Yeerongpilly 17	57	76	57	76	57	80
Yeerongpilly 18	63	80	64	80	64	84
Yeerongpilly 21	62	79	63	79	62	81
Yeerongpilly 22	65	82	**67**	82	65	79
Yeerongpilly 23	59	77	61	77	59	79
Yeerongpilly 25	64	80	**66**	80	62	76
Yeerongpilly 26	63	78	64	78	62	79
Yeerongpilly 27	65	81	**67**	81	65	79
Yeerongpilly 28	59	75	60	75	59	75

Predicted Operational Noise Levels

Receiver	2021 - Existing Mitigation Only		2031 - Existing Mitigation Only		2031 - With Proposed Mitigation	
	Leq	**Lmax**	**Leq**	**Lmax**	**Leq**	**Lmax**
Yeerongpily 29	55	77	56	77	56	78
Yeerongpilly 30	56	78	57	78	57	78
Yeerongpilly 30b	54	72	56	72	55	72
Yeerongpilly 31	54	72	55	72	55	72
Yeerongpilly 32	53	71	55	71	55	71
Yeerongpilly 33	52	71	54	71	54	71
Yeerongpilly 34	53	71	55	71	55	71
Yeerongpilly 35	52	72	54	72	54	72
Yeerongpilly 36	53	72	55	72	55	72
Yeerongpilly 37	53	72	54	72	54	72
Yeronga 10	61	87	62	87	61	87
Yeronga 11	61	86	61	86	60	85
Yeronga 12	61	**88**	62	**88**	60	83
Yeronga 13	61	**88**	62	**88**	59	80
Yeronga 14	62	**89**	63	**89**	61	83
Yeronga 15	61	87	62	87	60	85
Yeronga 16	61	**89**	62	**89**	60	86
Yeronga 17	61	**88**	62	**88**	61	86

Note: Bold numbers indicate an exceedance of the relevant criterion.

YEAR 2021 OPERATIONAL NOISE CONTOURS



tes:
ise levels
lude a 2.5 dBA
cade correction.

Signs and symbols

- Area source
- Building
- Elevation line
- Existing Noise Barrier

20-2524 Cross River Rail Project

Operational Rail Noise
Predicted LAeq(24hour) Rail Noise Levels
Grid Noise Maps - 2 m Above Ground Level

Scale 1:4000

tes:
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lude a 2.5 dBA
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Signs and symbols

- Area source
- Building
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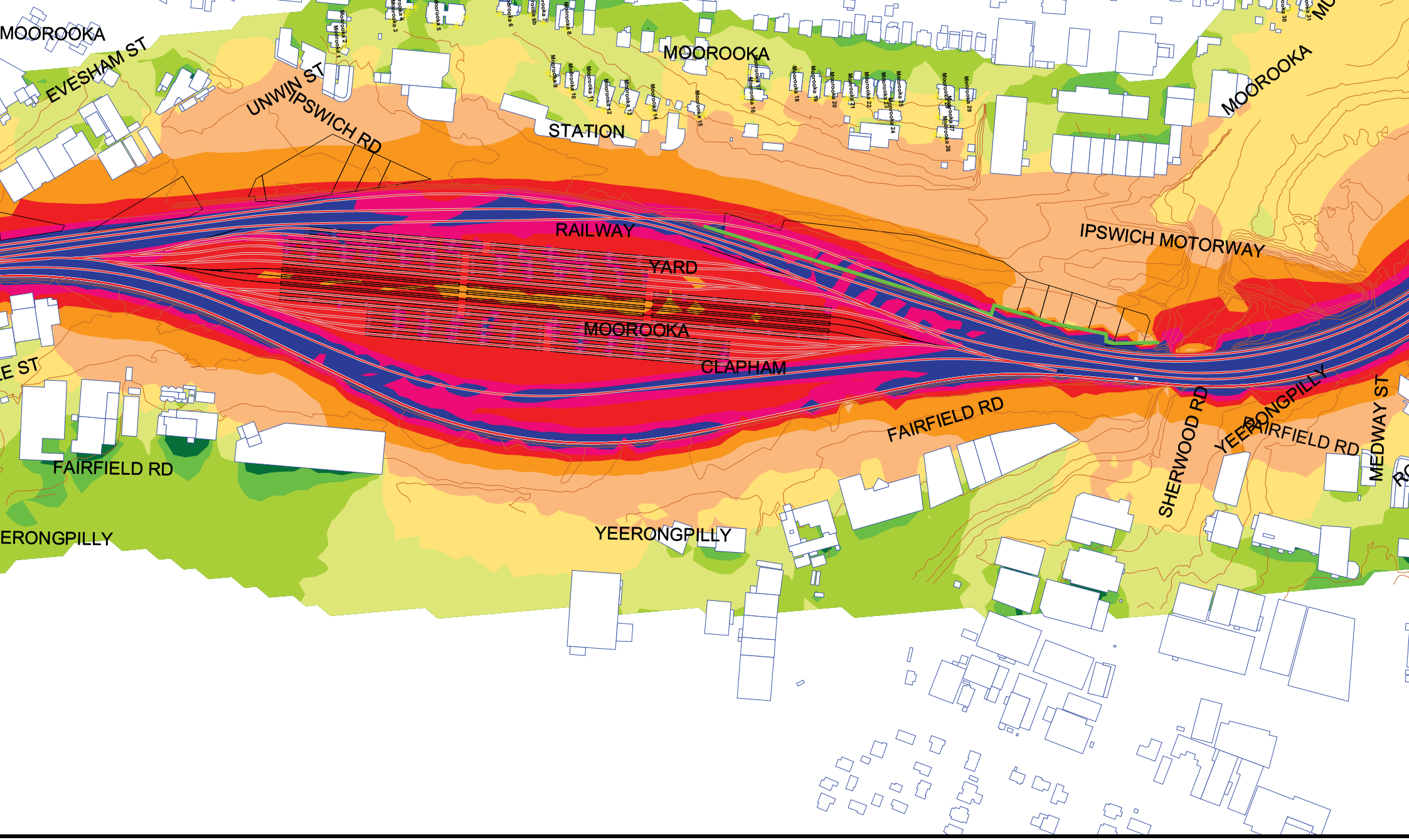
- Existing Noise Barrier

20-2524 Cross River Rail Project

Operational Rail Noise
Predicted LAeq(24hour) Rail Noise Levels
Grid Noise Maps - 2 m Above Ground Level

Scale 1:4000



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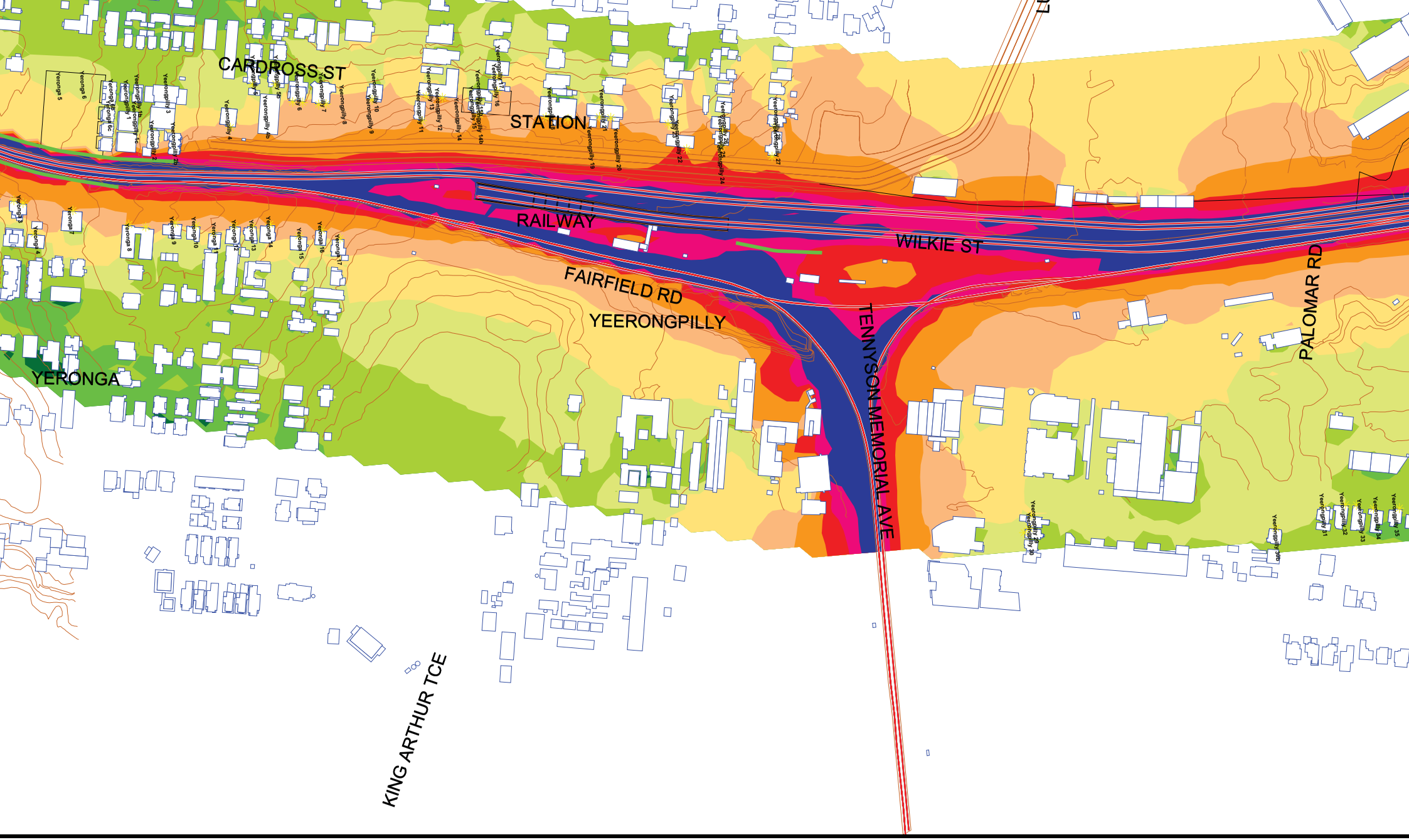
- Building
- Elevation line
- Existing Noise Barrier

20-2524 Cross River Rail Project

Operational Rail Noise
Predicted LAeq(24hour) Rail Noise Levels
Grid Noise Maps - 2 m Above Ground Level

Scale 1:4000



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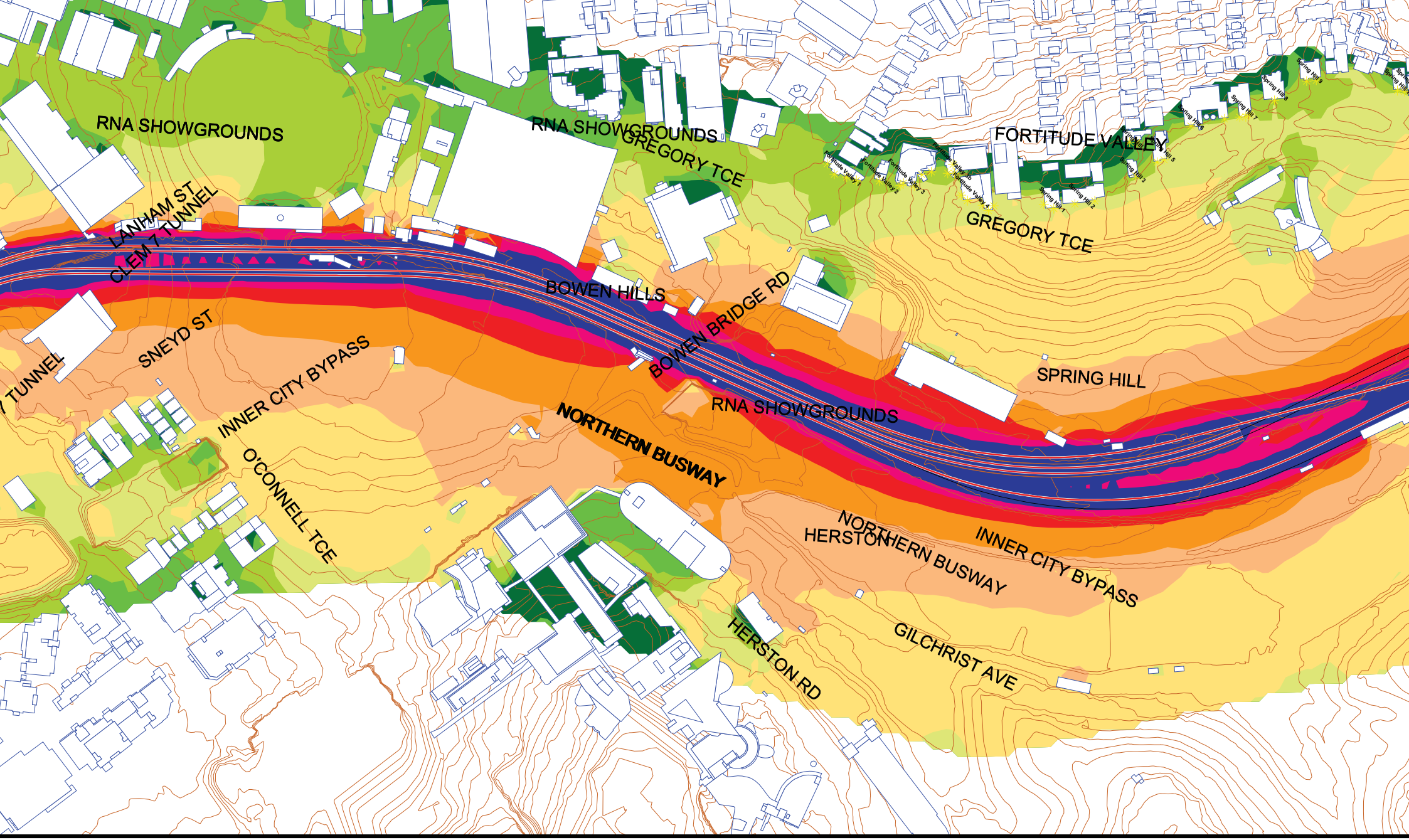
- Existing Noise Barrier

20-2524 Cross River Rail Project

Operational Rail Noise
Predicted LAeq(24hour) Rail Noise Levels
Grid Noise Maps - 2 m Above Ground Level

Scale 1:4000



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Signs and symbols

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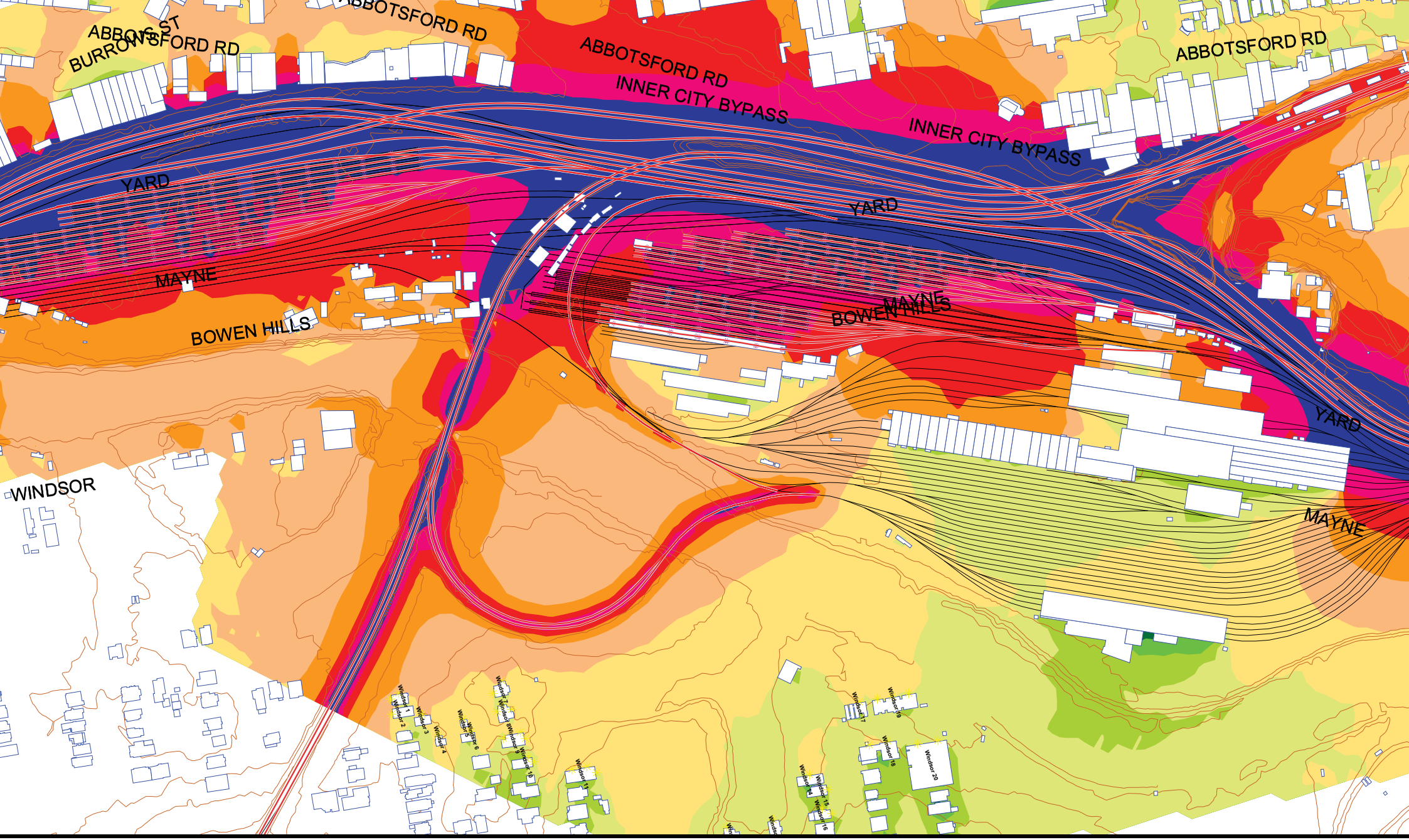
- Existing Noise Barrier

20-2524 Cross River Rail Project

Operational Rail Noise
Predicted LAeq(24hour) Rail Noise Levels
Grid Noise Maps - 2 m Above Ground Level

Scale 1:4000



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Signs and symbols

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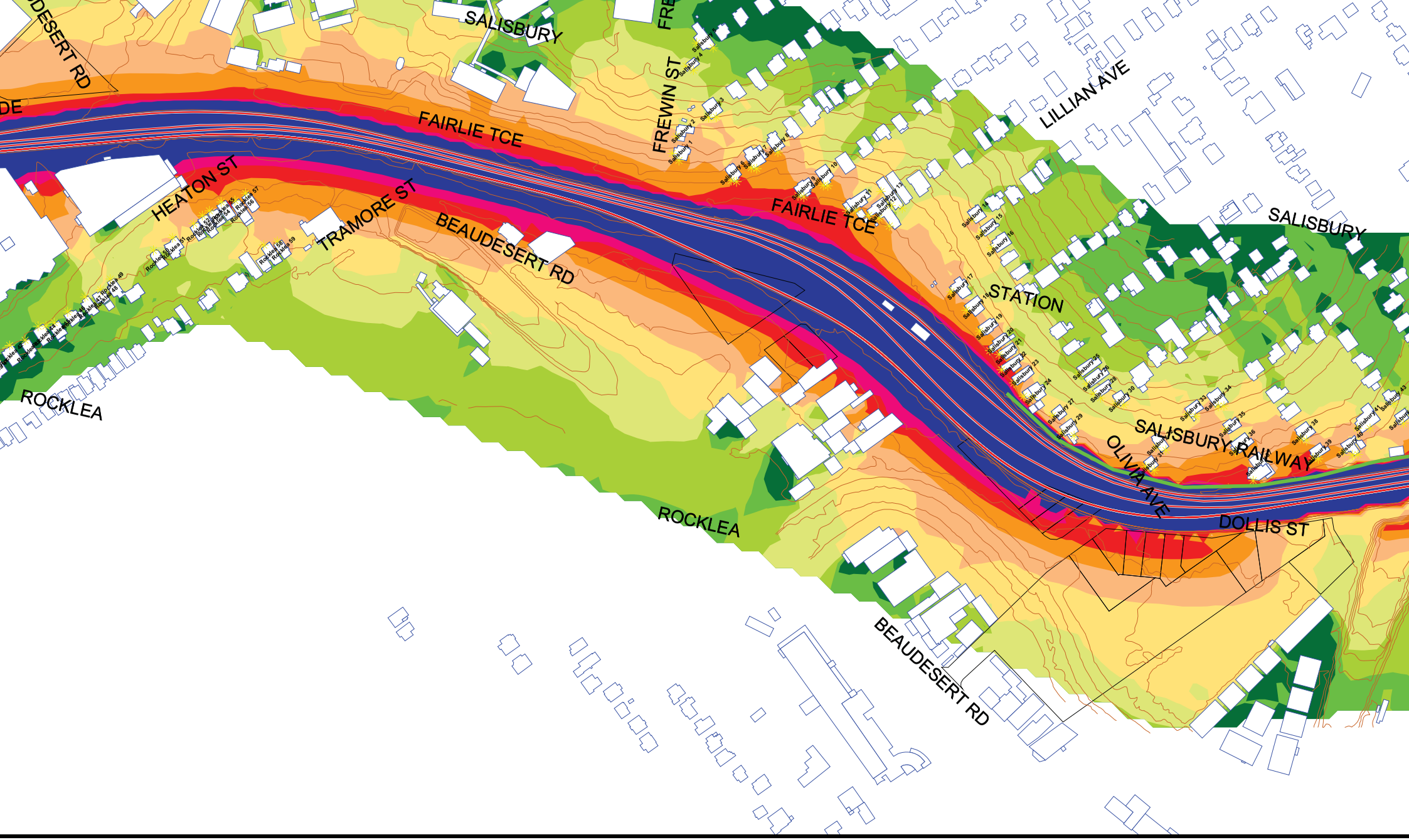
- Building
- Elevation line
- Existing Noise Barrier

20-2524 Cross River Rail Project

Operational Rail Noise
Predicted LAeq(24hour) Rail Noise Levels
Grid Noise Maps - 2 m Above Ground Level

Scale 1:4000



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Signs and symbols

- Area source
- Building
- Elevation line
- Existing Noise Barrier

20-2524 Cross River Rail Project

Operational Rail Noise
Predicted Single Event Maximum Rail Noise Levels
Grid Noise Maps - 2 m Above Ground Level

Scale 1:4000

tes:
ise levels
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cade correction.

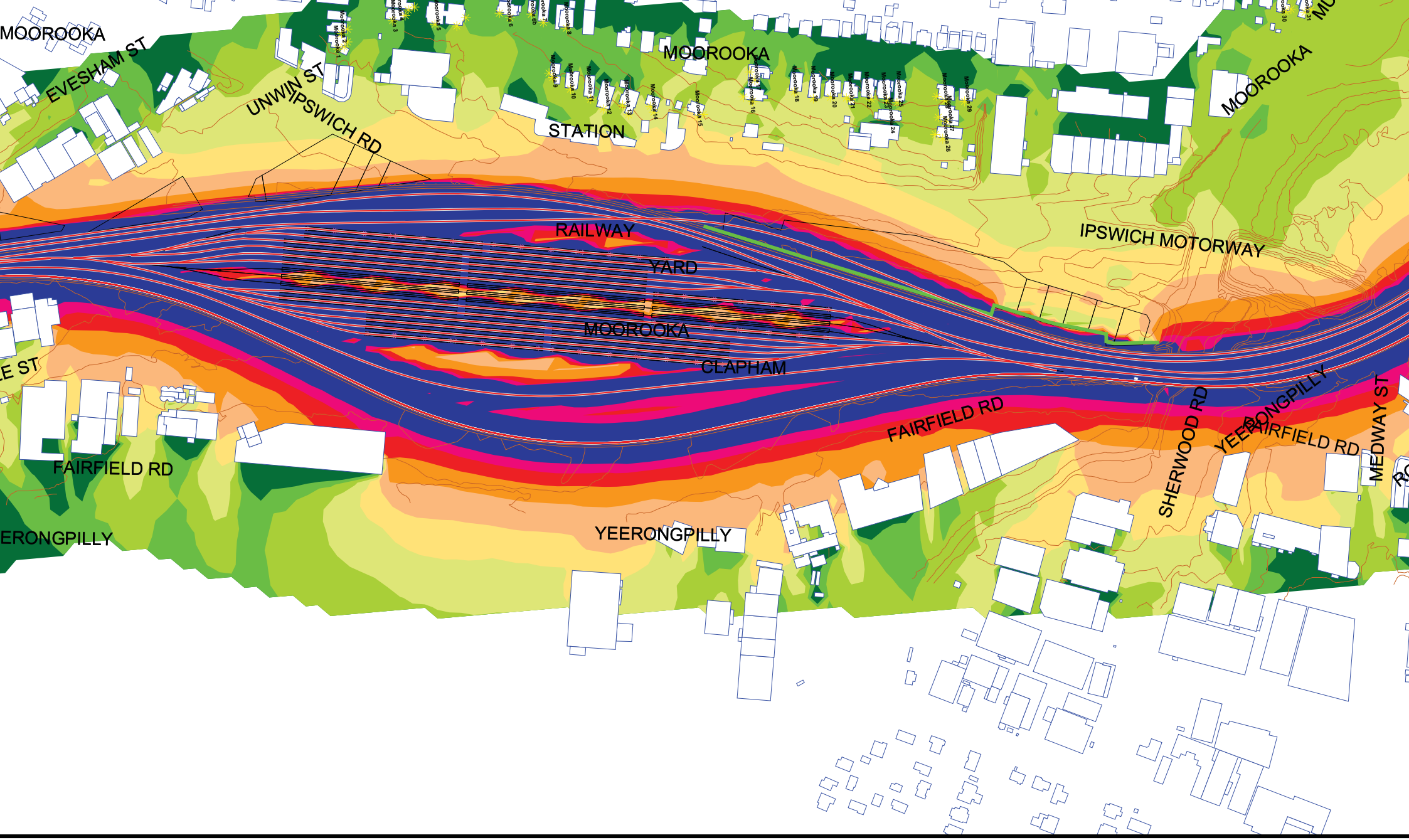
Signs and symbols

- Area source
- Building
- Elevation line
- Existing Noise Barrier

20-2524 Cross River Rail Project

Operational Rail Noise
Predicted Single Event Maximum Rail Noise Levels
Grid Noise Maps - 2 m Above Ground Level

Scale 1:4000



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Signs and symbols

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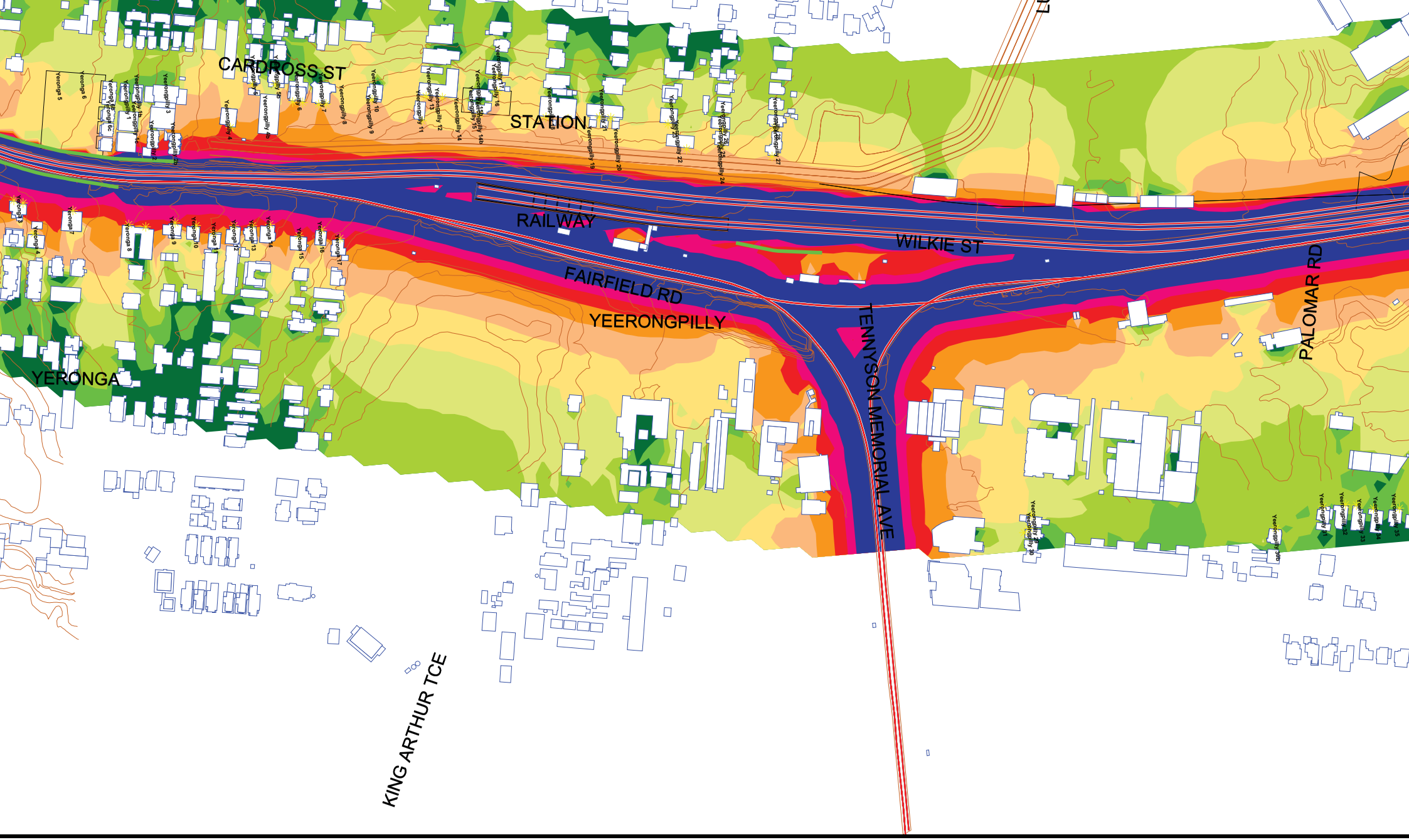
- Building
- Elevation line
- Existing Noise Barrier

20-2524 Cross River Rail Project

Operational Rail Noise
Predicted Single Event Maximum Rail Noise Levels
Grid Noise Maps - 2 m Above Ground Level

Scale 1:4000



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20-2524 Cross River Rail Project

Operational Rail Noise
Predicted Single Event Maximum Rail Noise Levels
Grid Noise Maps - 2 m Above Ground Level

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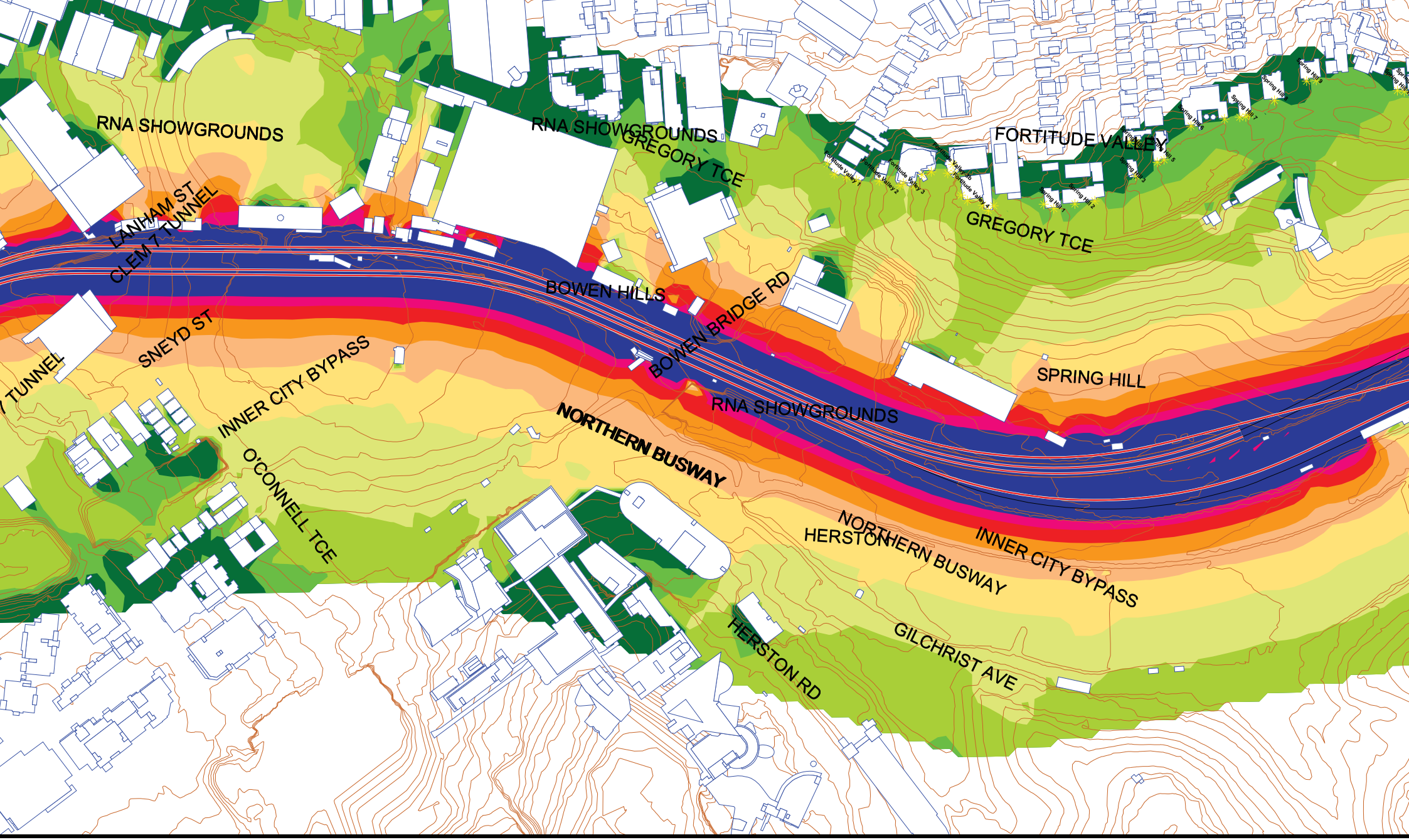

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Signs and symbols

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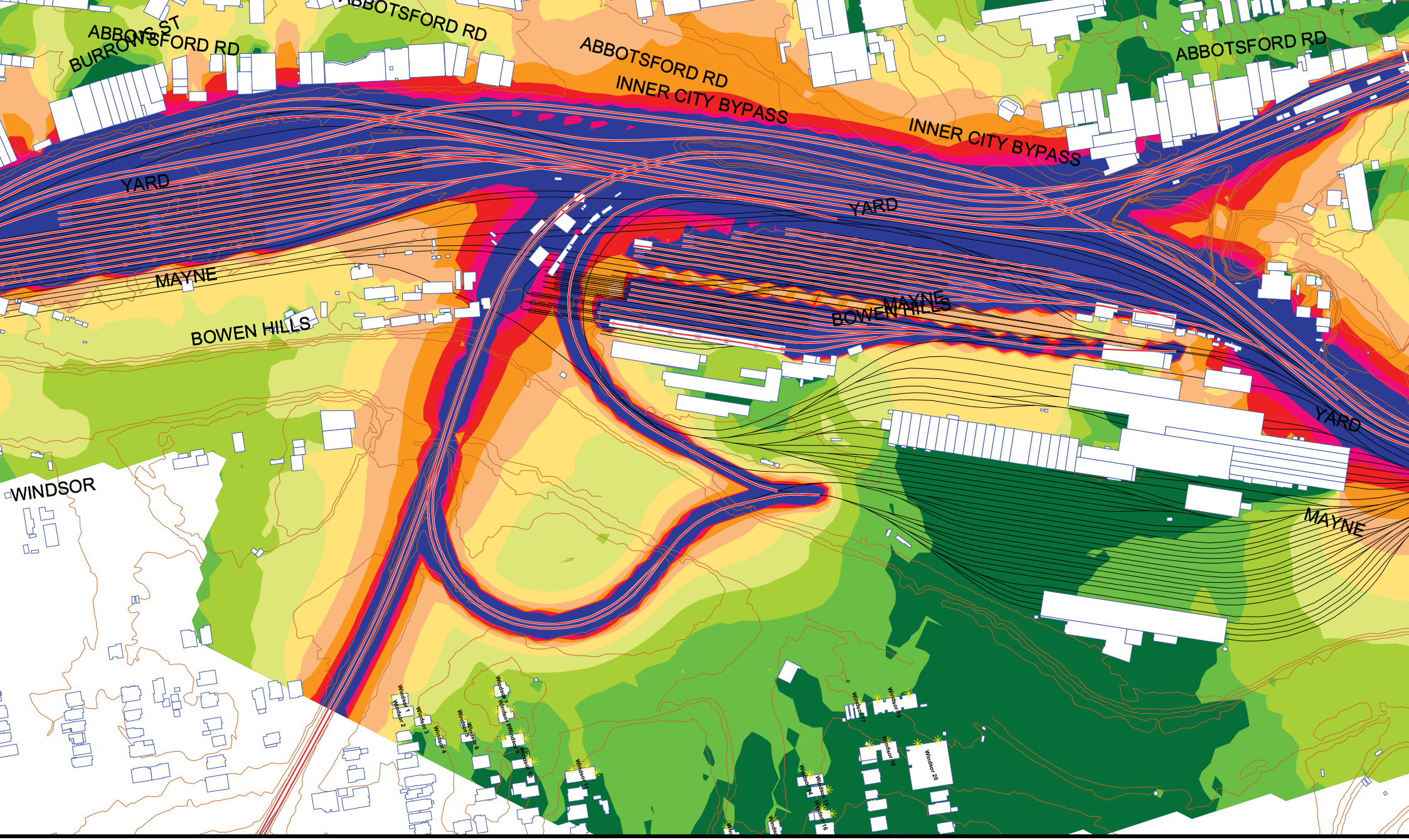
- Building
- Elevation line
- Existing Noise Barrier

20-2524 Cross River Rail Project

Operational Rail Noise
Predicted Single Event Maximum Rail Noise Levels
Grid Noise Maps - 2 m Above Ground Level

Scale 1:4000



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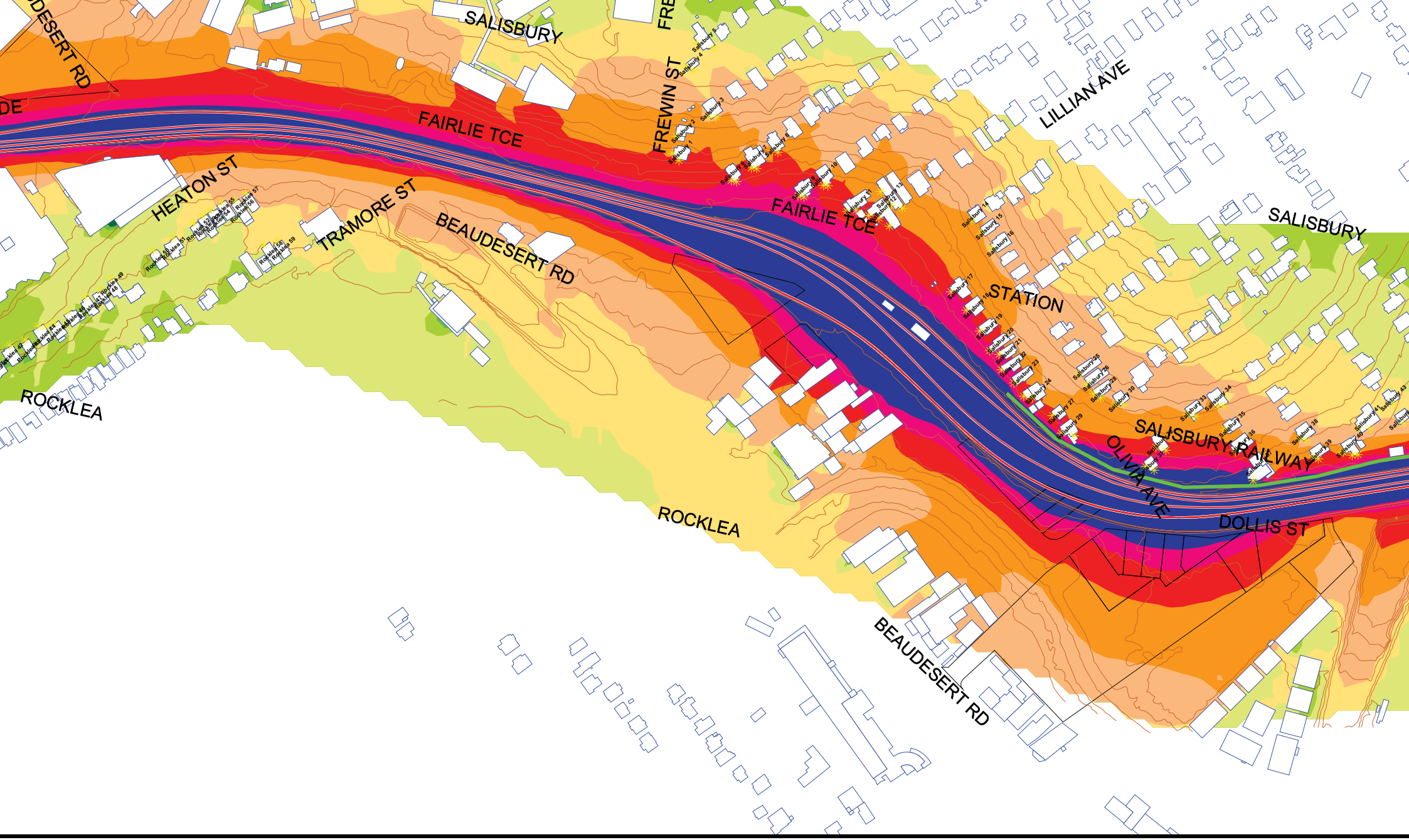
Signs and symbols

- Area source
- Building
- Elevation line
- Existing Noise Barrier

20-2524 Cross River Rail Project

Operational Rail Noise
Predicted Single Event Maximum Rail Noise Levels
Grid Noise Maps - 2 m Above Ground Level

Scale 1:4000



tes:
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cade correction.

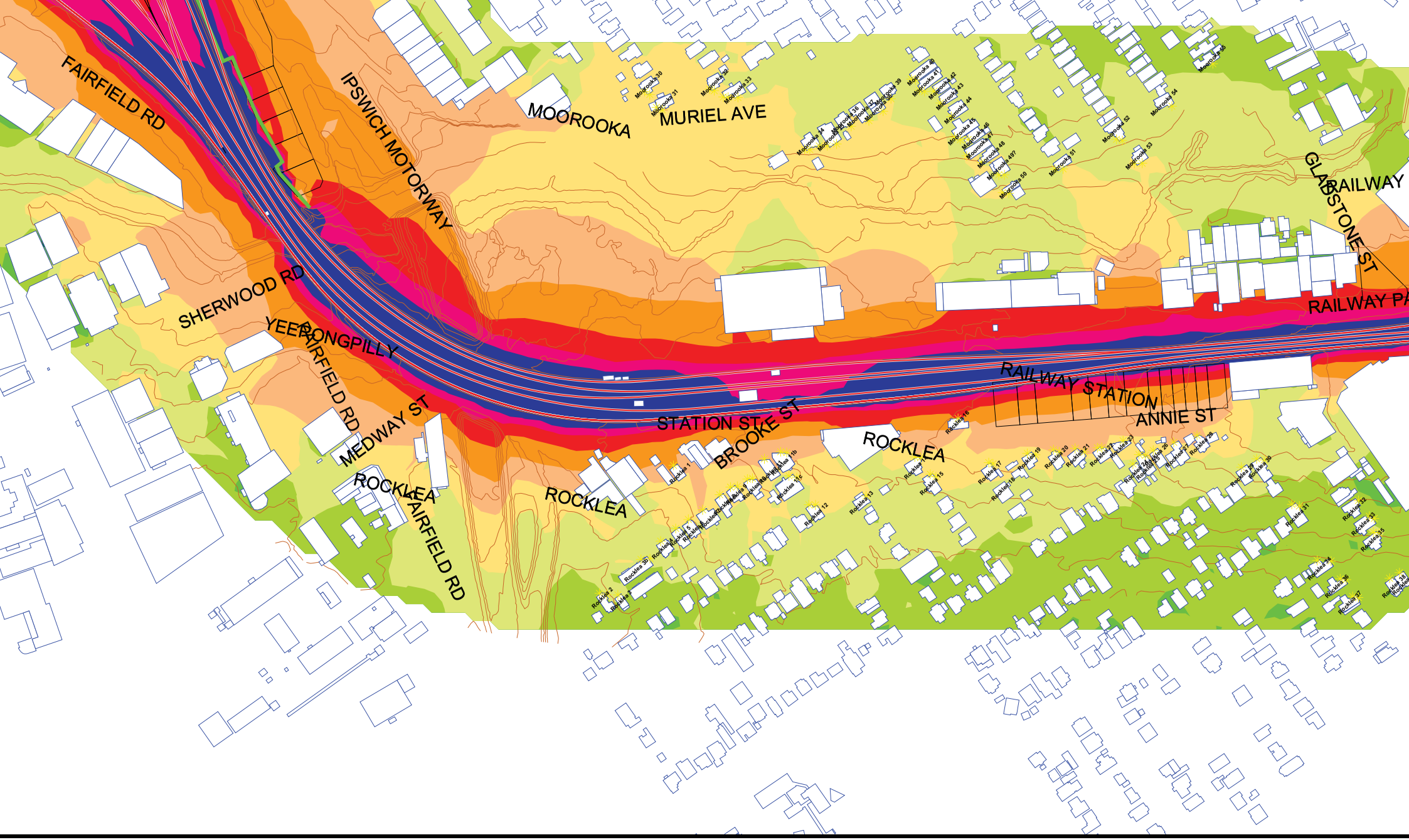
Signs and symbols

- Area source
- Building
- Elevation line
- Existing Noise Barrier

20-2524 Cross River Rail Project

Operational Rail Noise
Predicted LAeq(24hour) Rail Noise Levels
Grid Noise Maps - 4.5 m Above Ground Level

Scale 1:4000



tes:
ise levels
lude a 2.5 dBA
cade correction.

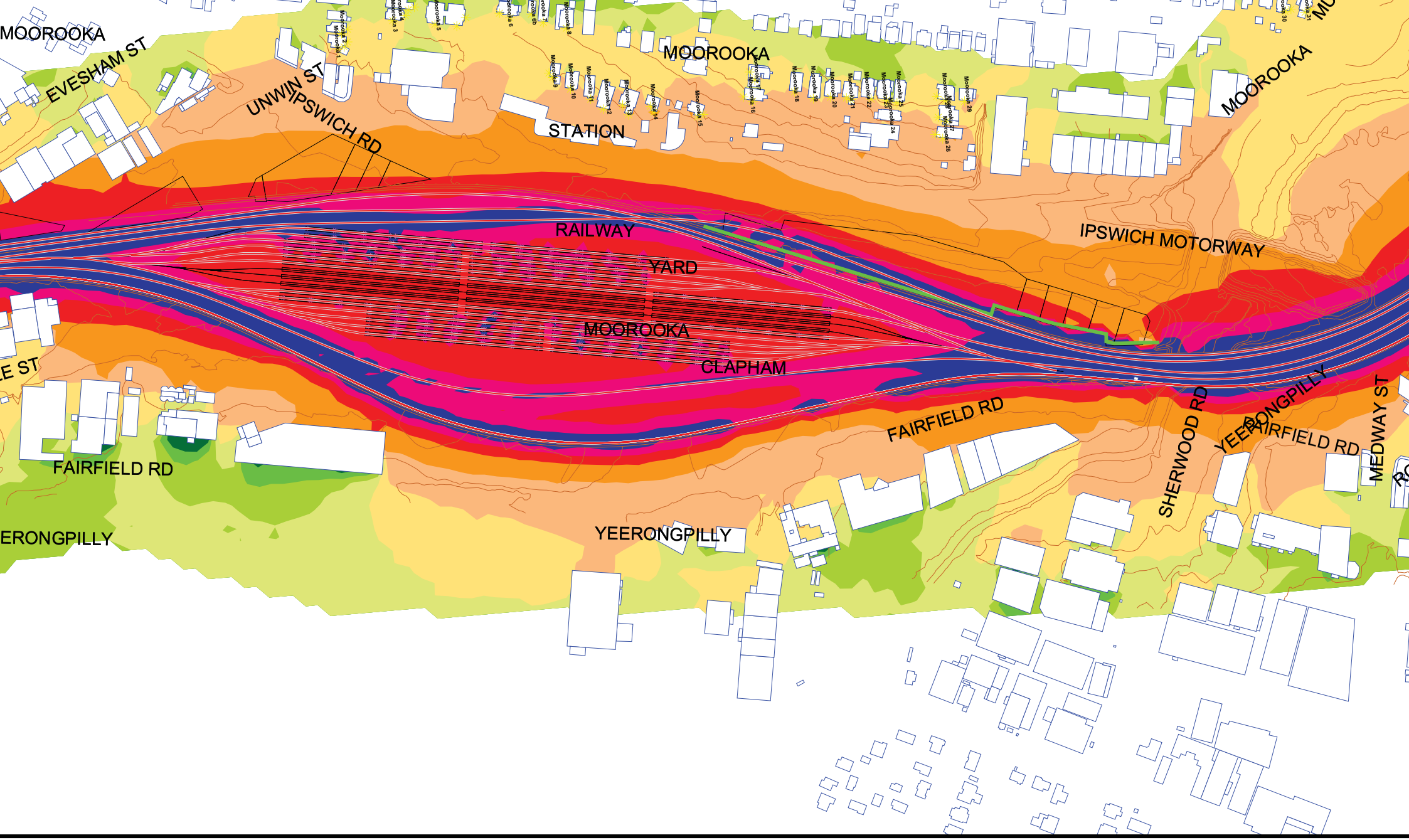
Signs and symbols

- Area source
- Building
- Elevation line
- Existing Noise Barrier

20-2524 Cross River Rail Project

Operational Rail Noise
Predicted LAeq(24hour) Rail Noise Levels
Grid Noise Maps - 4.5 m Above Ground Level

Scale 1:4000



tes:
ise levels
lude a 2.5 dBA
cade correction.

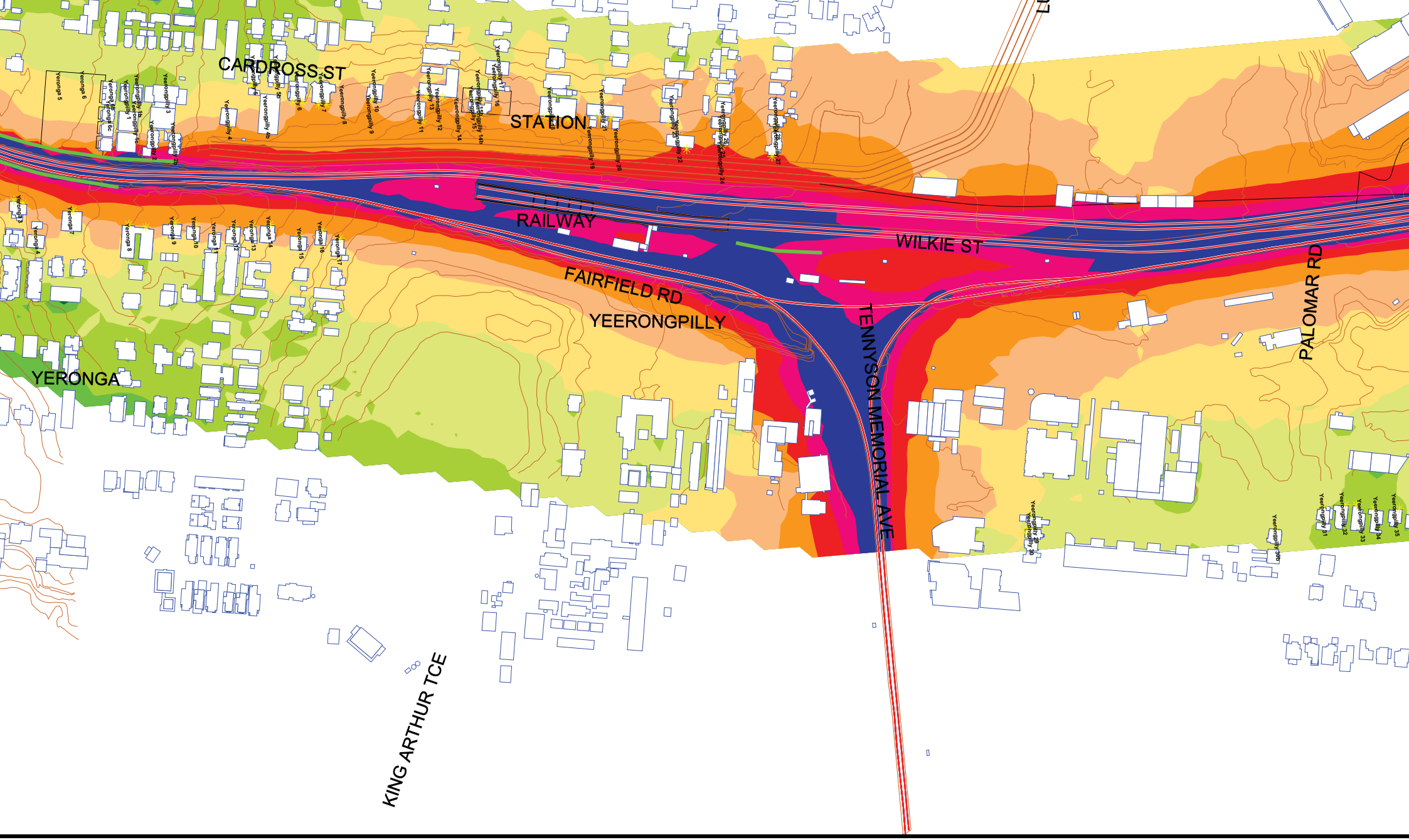
Signs and symbols

- Area source
- Building
- Elevation line
- Existing Noise Barrier

20-2524 Cross River Rail Project

Operational Rail Noise
Predicted LAeq(24hour) Rail Noise Levels
Grid Noise Maps - 4.5 m Above Ground Level

Scale 1:4000



tes:
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lude a 2.5 dBA
cade correction.

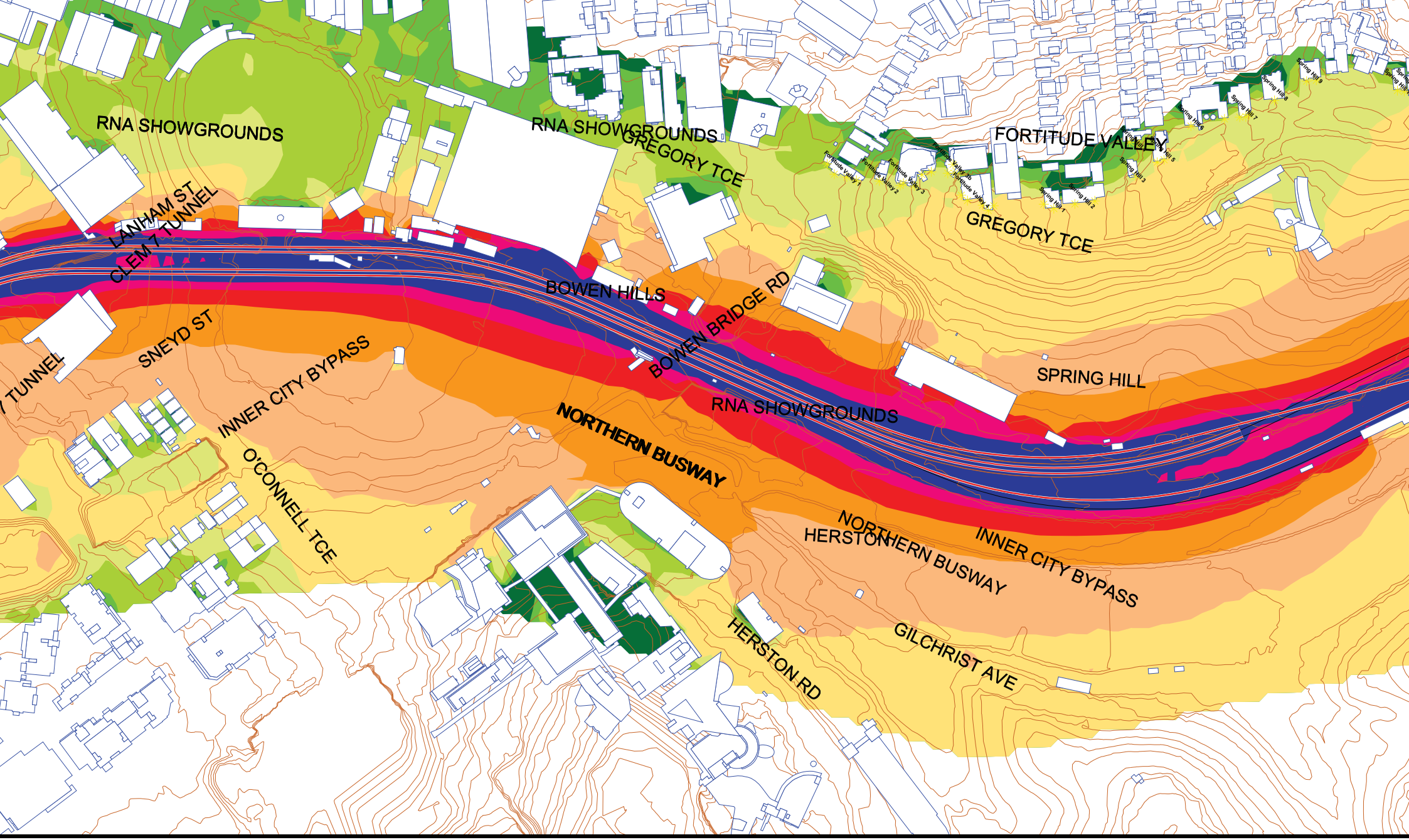
Signs and symbols

- Area source
- Building
- Elevation line
- Existing Noise Barrier

20-2524 Cross River Rail Project

Operational Rail Noise
Predicted LAeq(24hour) Rail Noise Levels
Grid Noise Maps - 4.5 m Above Ground Level

Scale 1:4000



tes:
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lude a 2.5 dBA
cade correction.

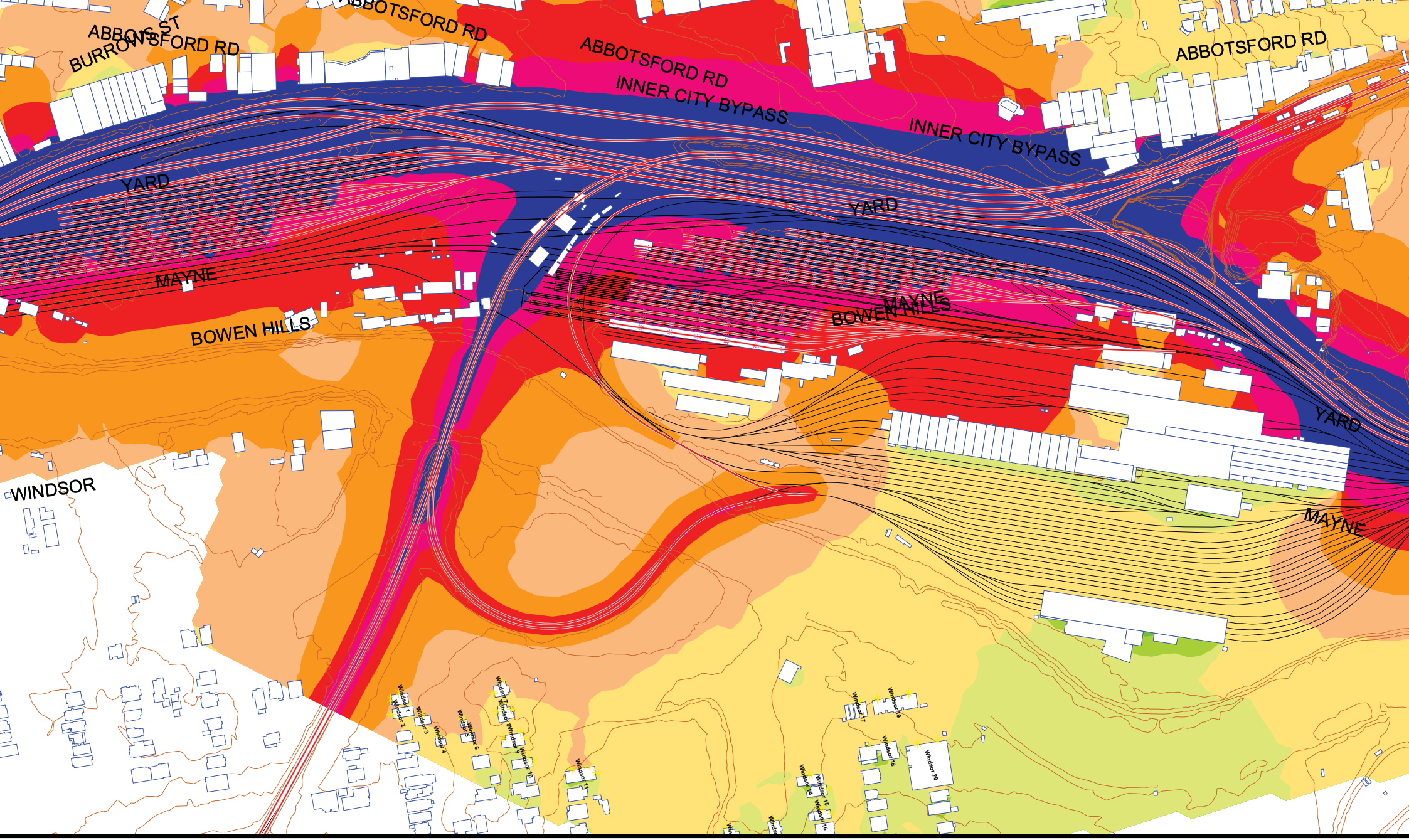
Signs and symbols

- Area source
- Building
- Elevation line
- Existing Noise Barrier

20-2524 Cross River Rail Project

Operational Rail Noise
Predicted LAeq(24hour) Rail Noise Levels
Grid Noise Maps - 4.5 m Above Ground Level

Scale 1:4000



tes:
ise levels
lude a 2.5 dBA
cade correction.

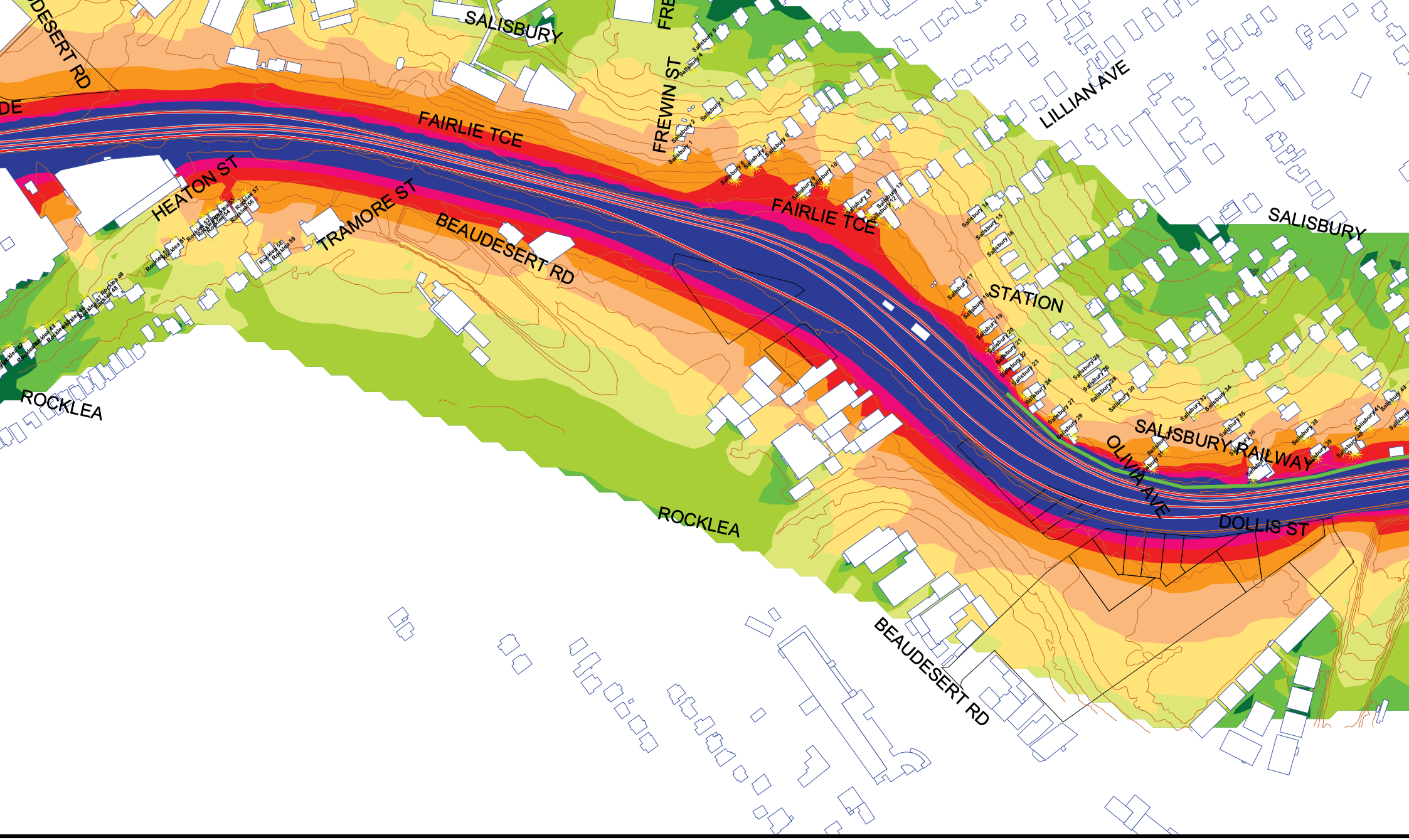
Signs and symbols

- Area source
- Building
- Elevation line
- Existing Noise Barrier

20-2524 Cross River Rail Project

Operational Rail Noise
Predicted LAeq(24hour) Rail Noise Levels
Grid Noise Maps - 4.5 m Above Ground Level

Scale 1:4000



tes:
ise levels
lude a 2.5 dBA
cade correction.

Signs and symbols

- Area source
- Building
- Elevation line
- Existing Noise Barrier

20-2524 Cross River Rail Project

Operational Rail Noise
Predicted Single Event Maximum Rail Noise Levels
Grid Noise Maps - 4.5 m Above Ground Level

Scale 1:4000

tes:
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lude a 2.5 dBA
cade correction.

Signs and symbols

- Area source
- Building
- Elevation line
- Existing Noise Barrier

20-2524 Cross River Rail Project

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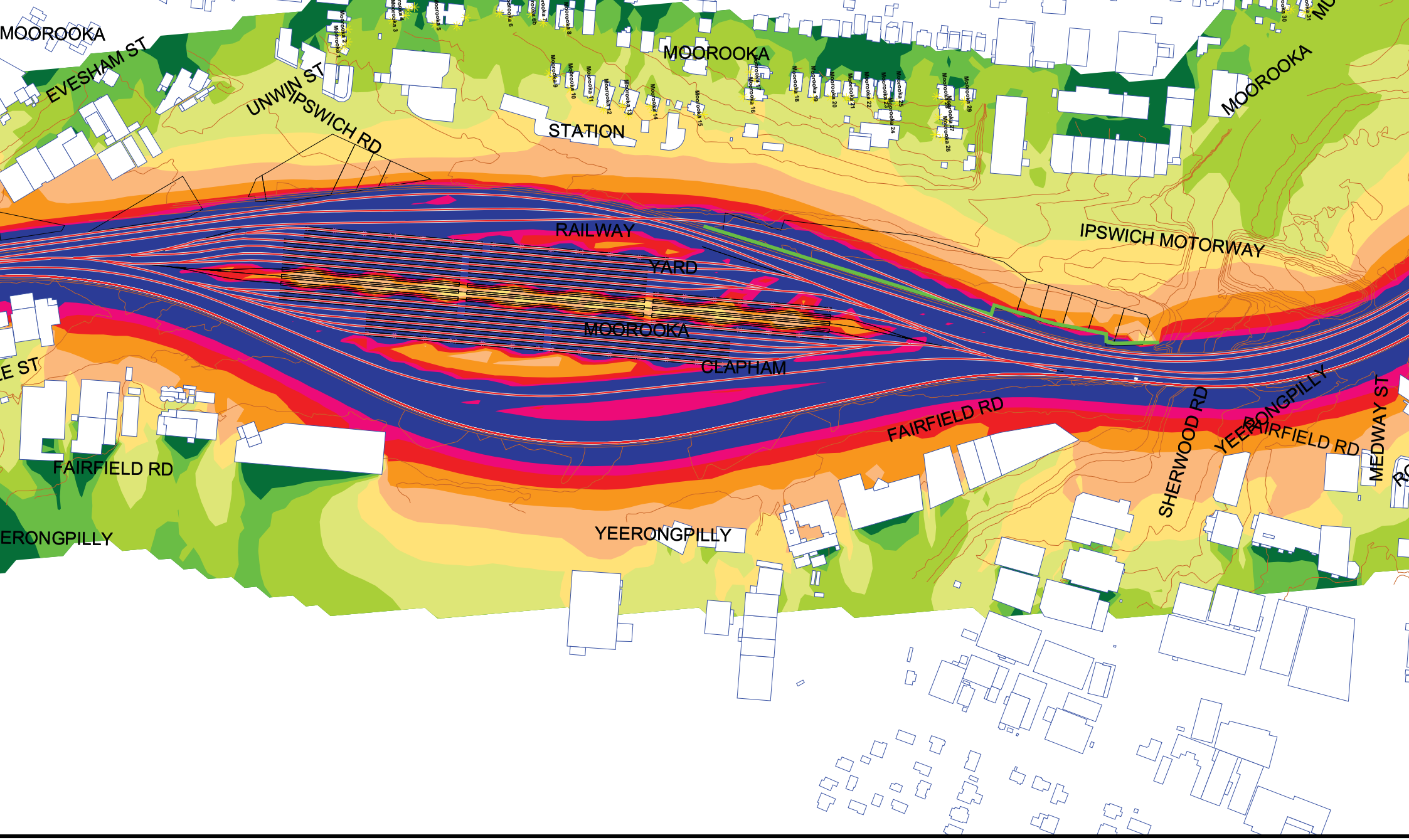

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20-2524 Cross River Rail Project

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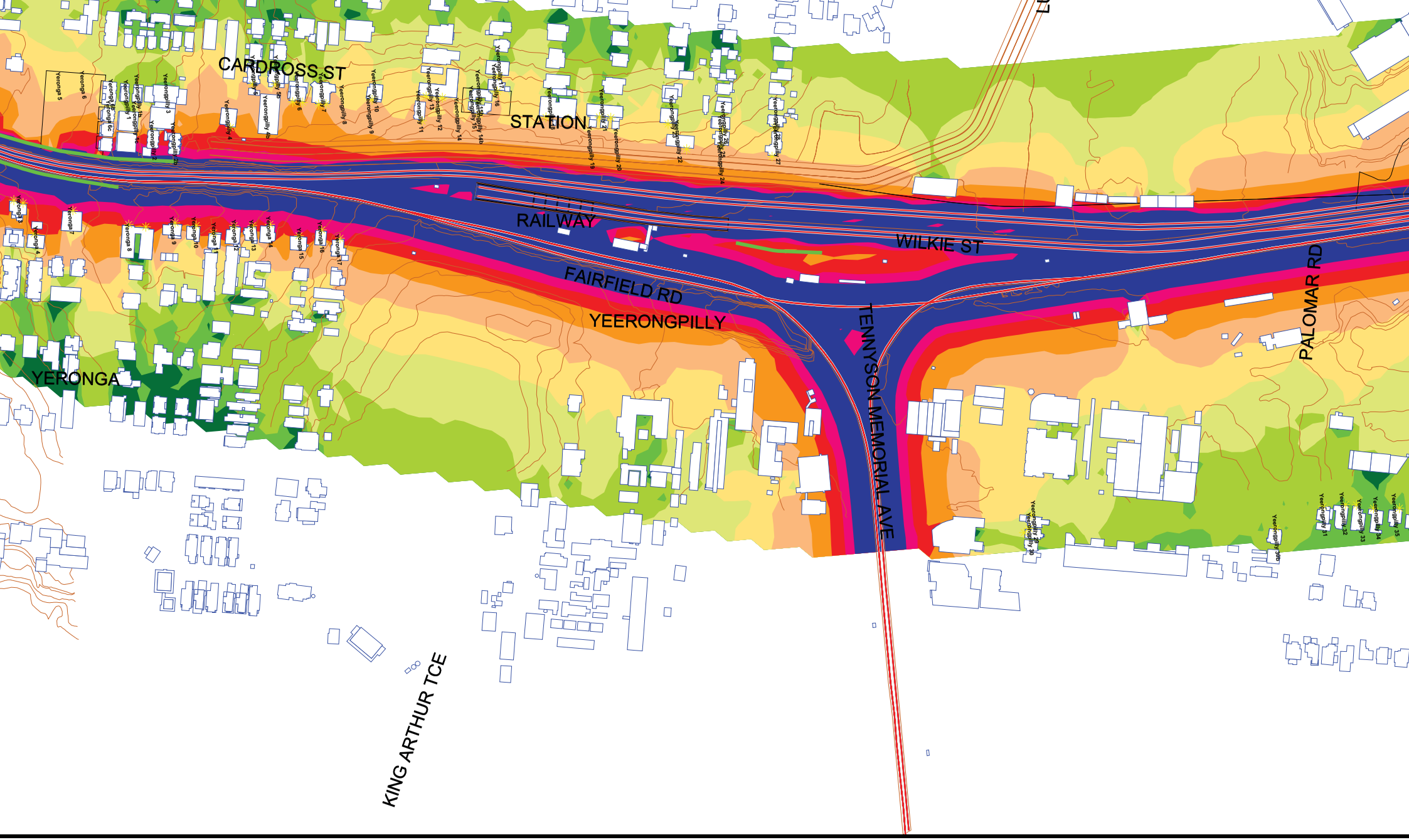

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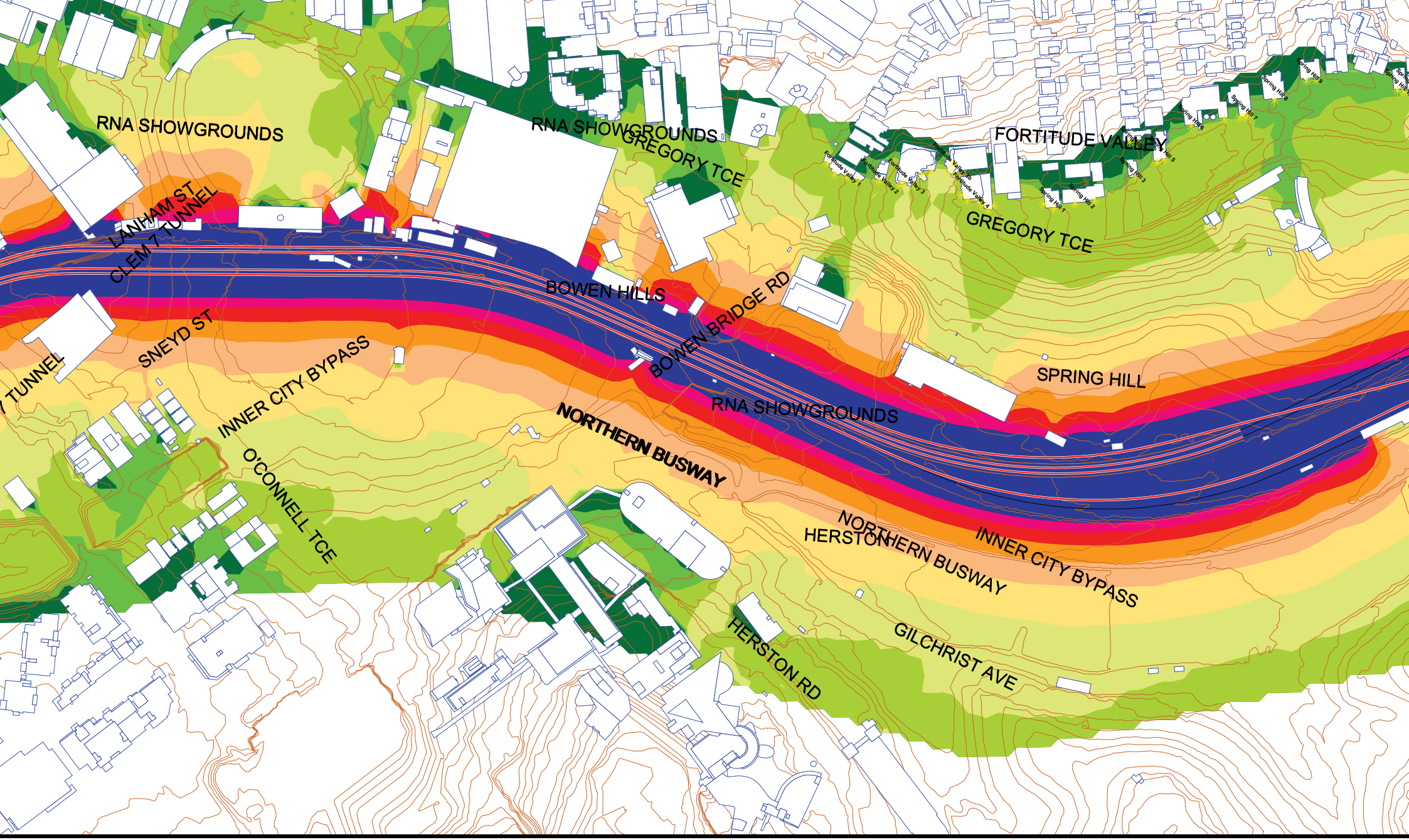

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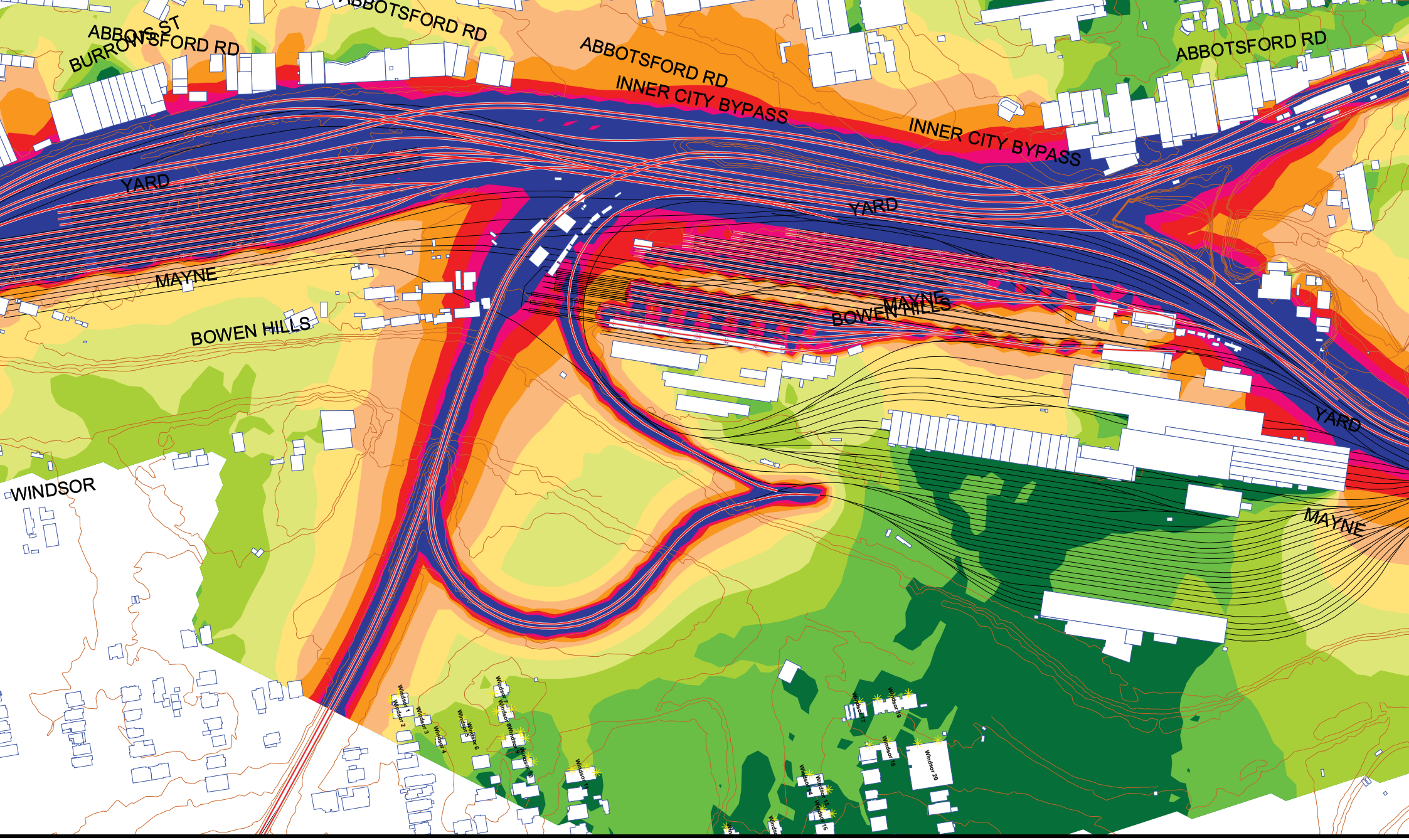

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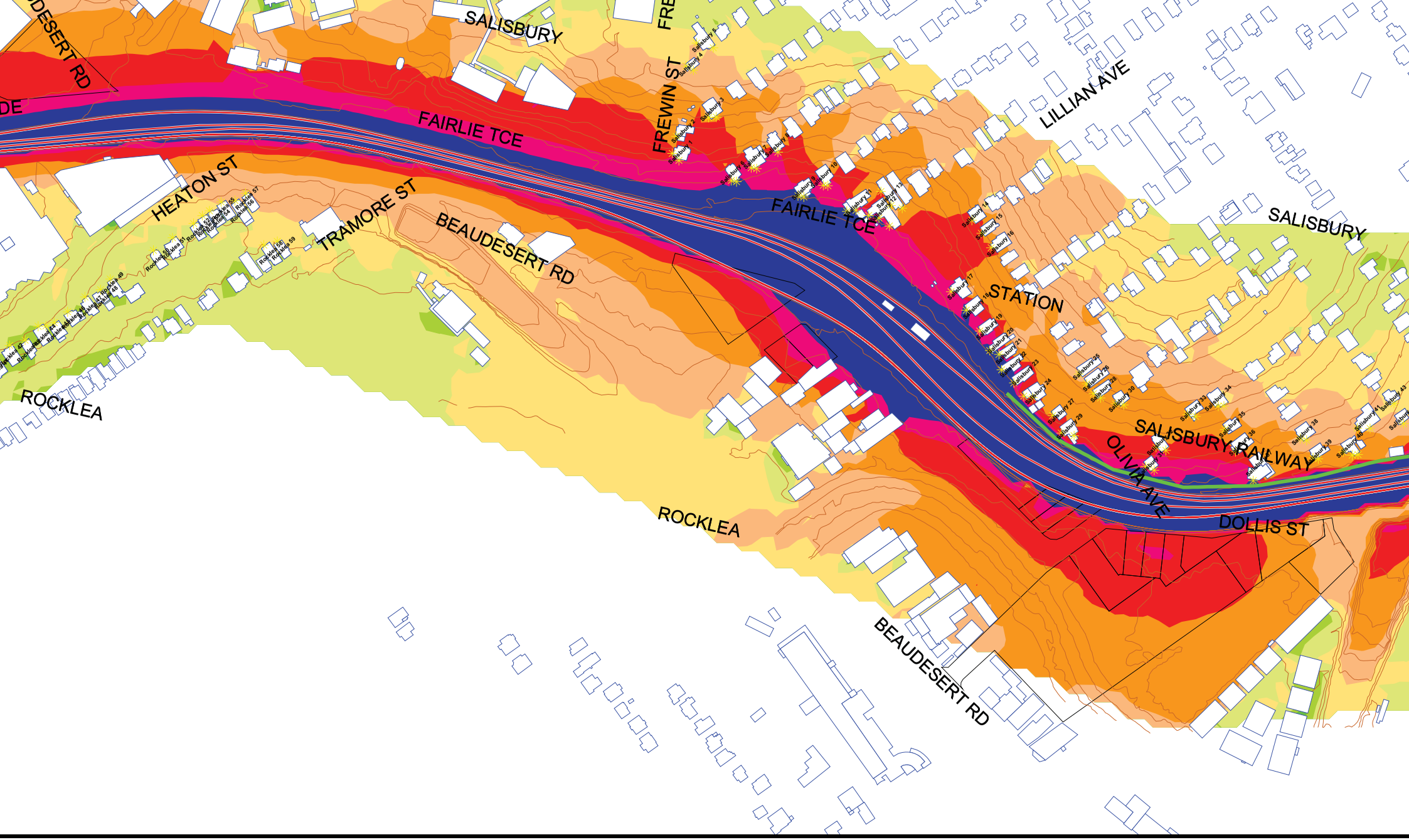
YEAR 2031 OPERATIONAL NOISE CONTOURS



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20-2524 Cross River Rail Project

Operational Rail Noise
Predicted LAeq(24hour) Rail Noise Levels
Grid Noise Maps - 2 m Above Ground Level

Scale 1:4000

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20-2524 Cross River Rail Project

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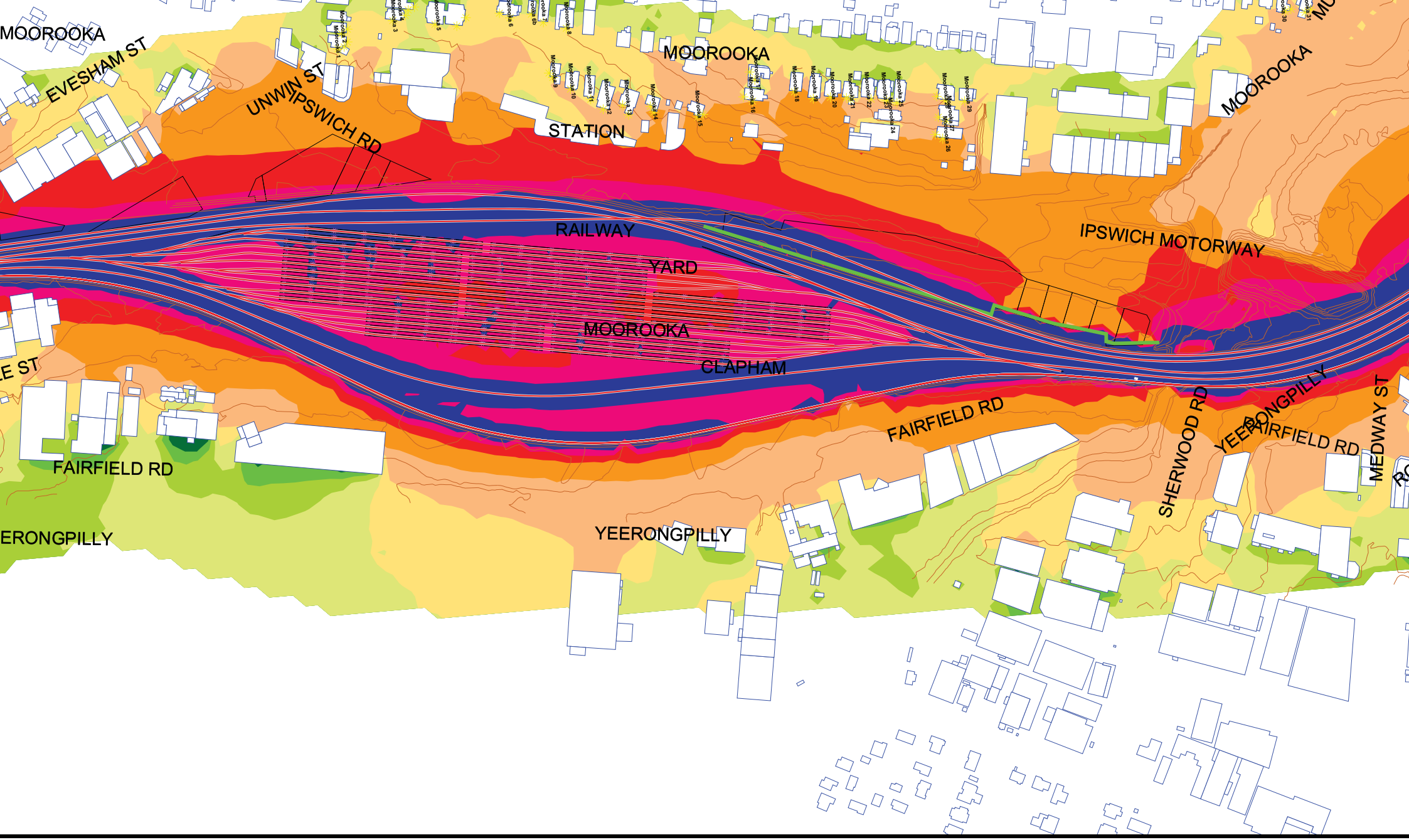

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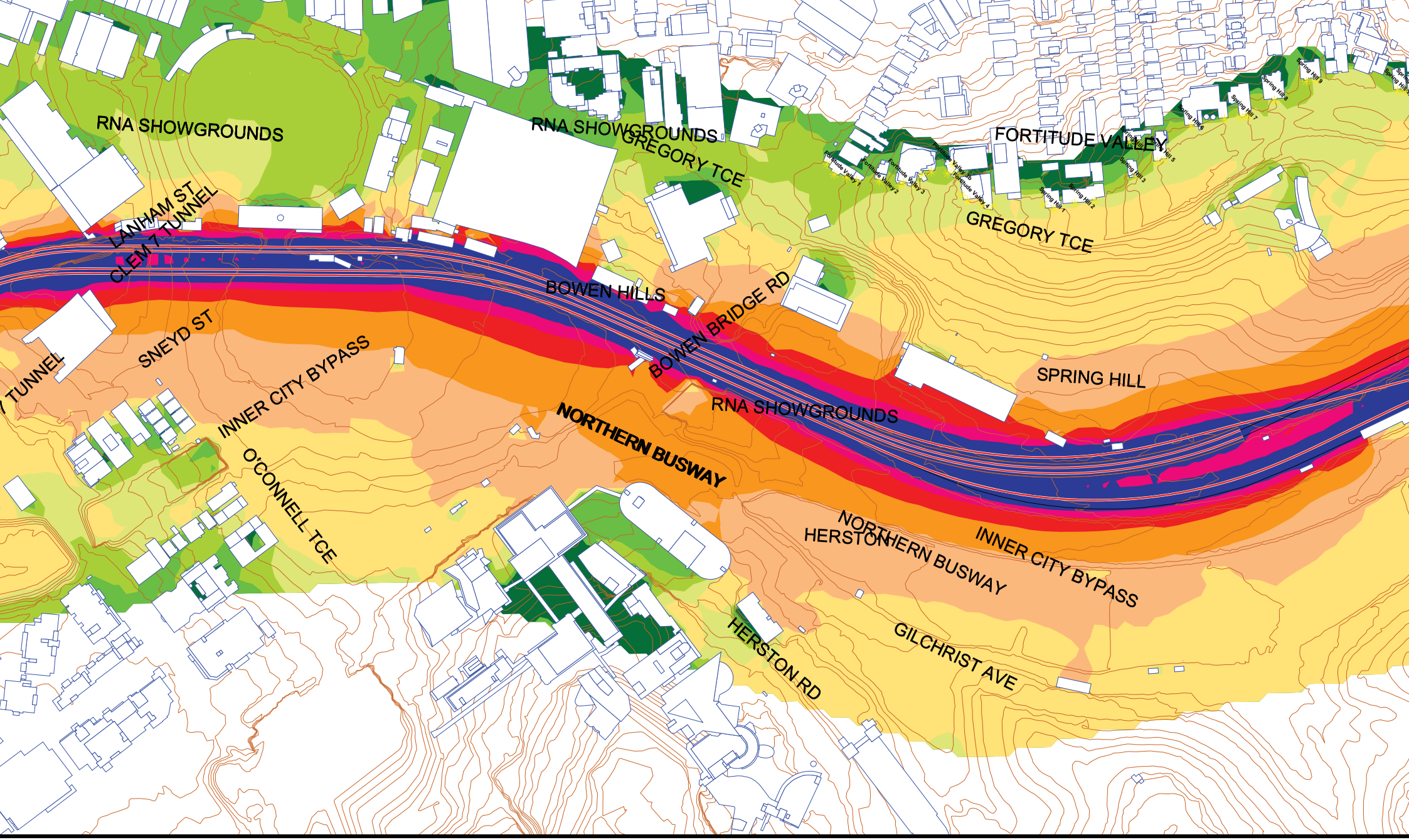

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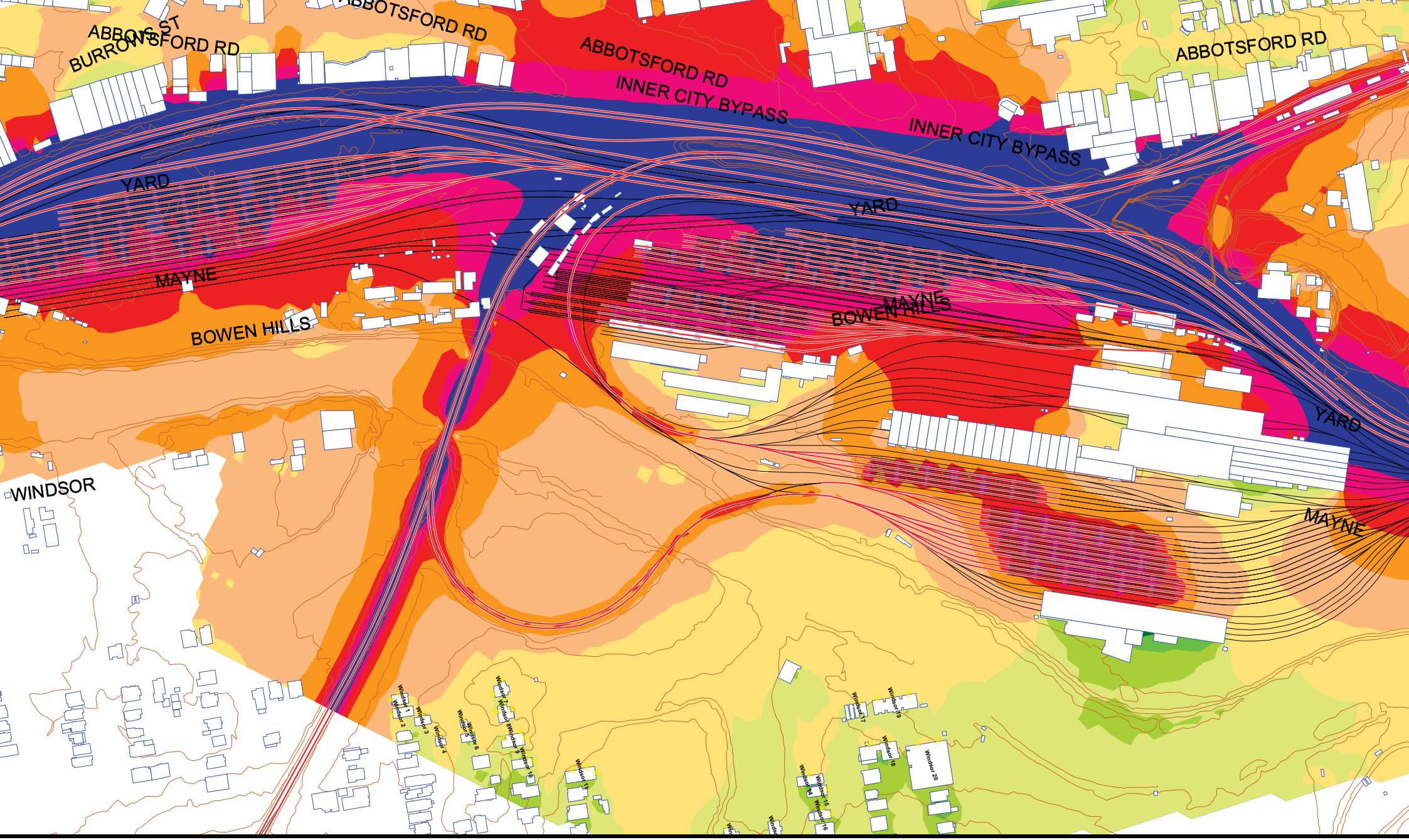

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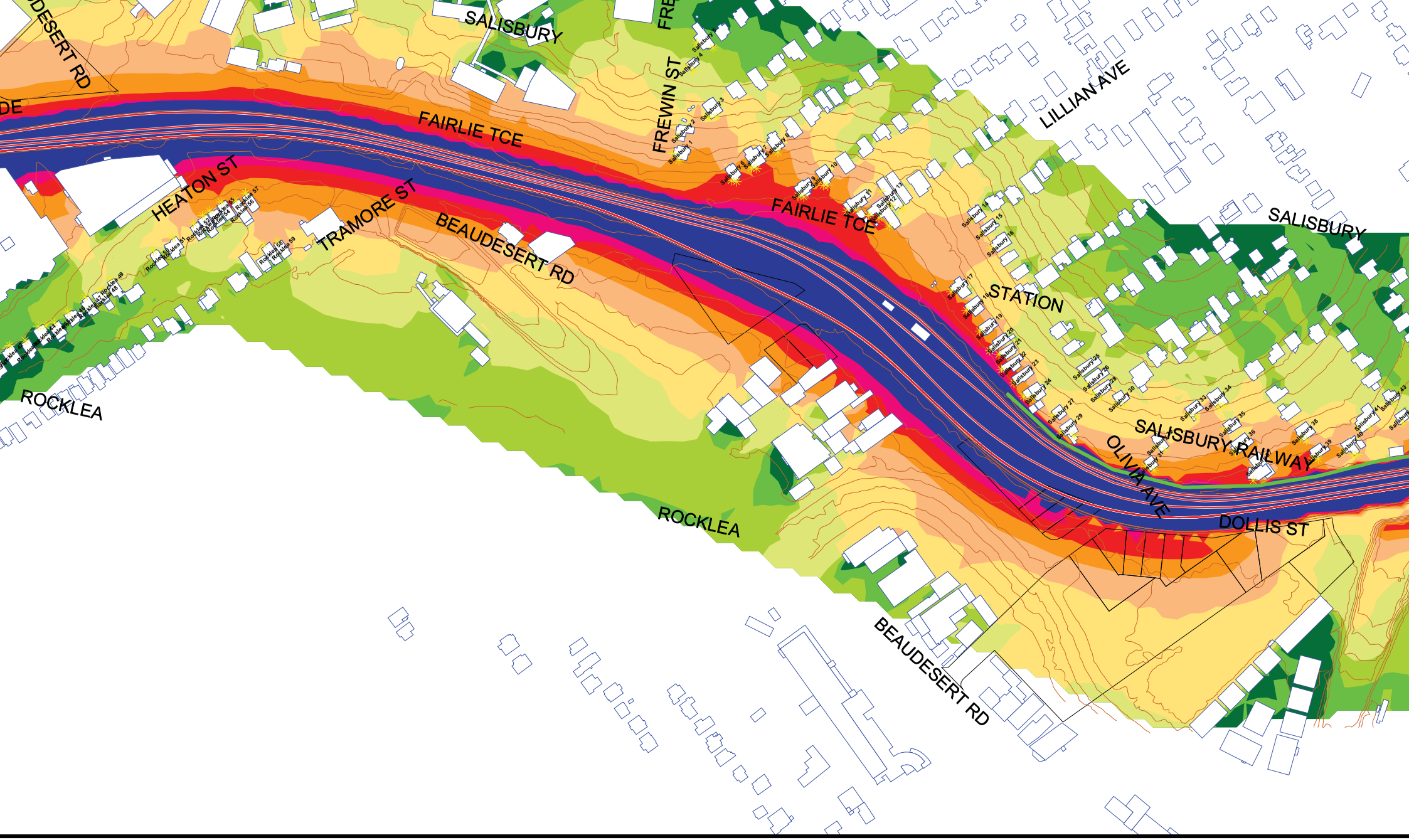

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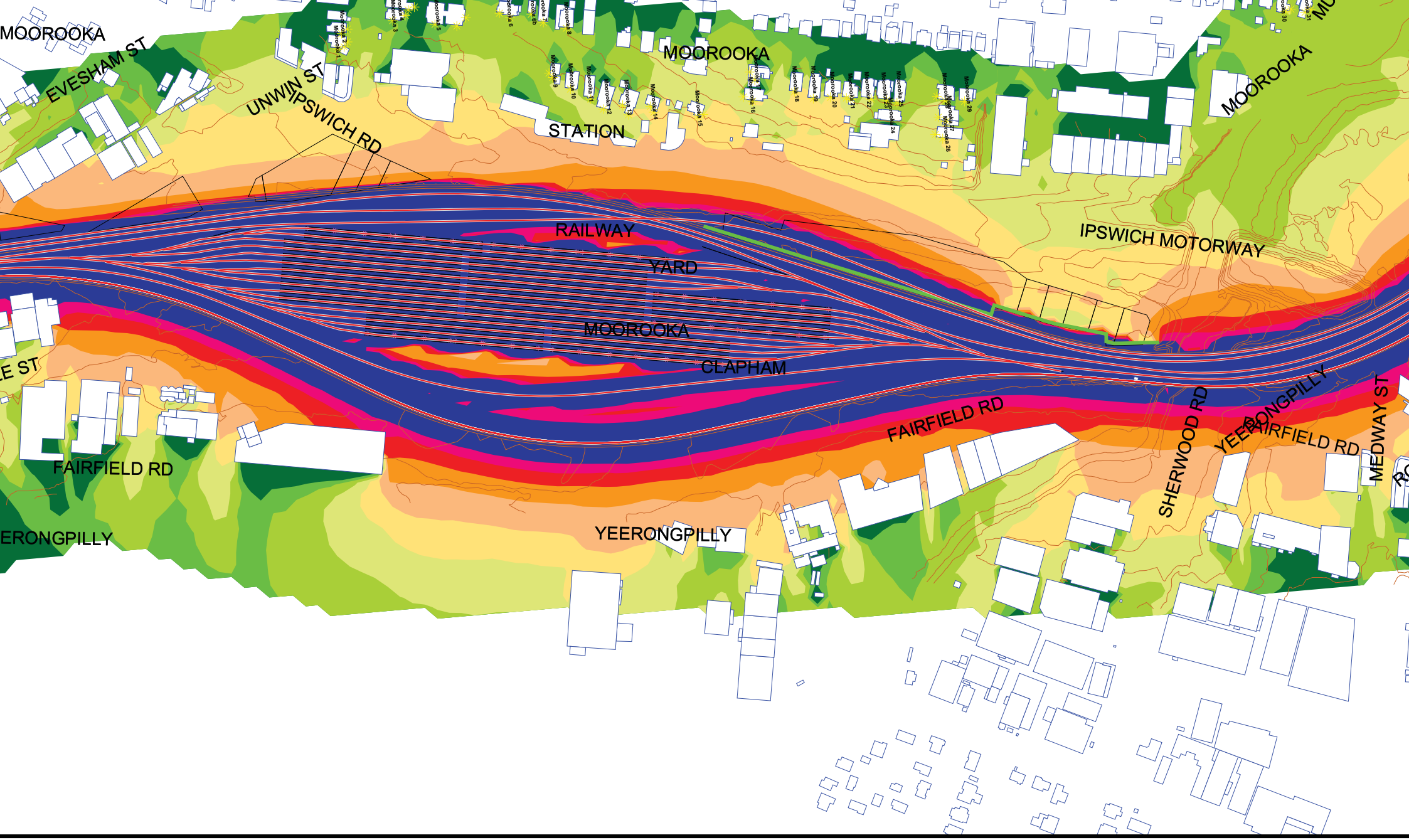

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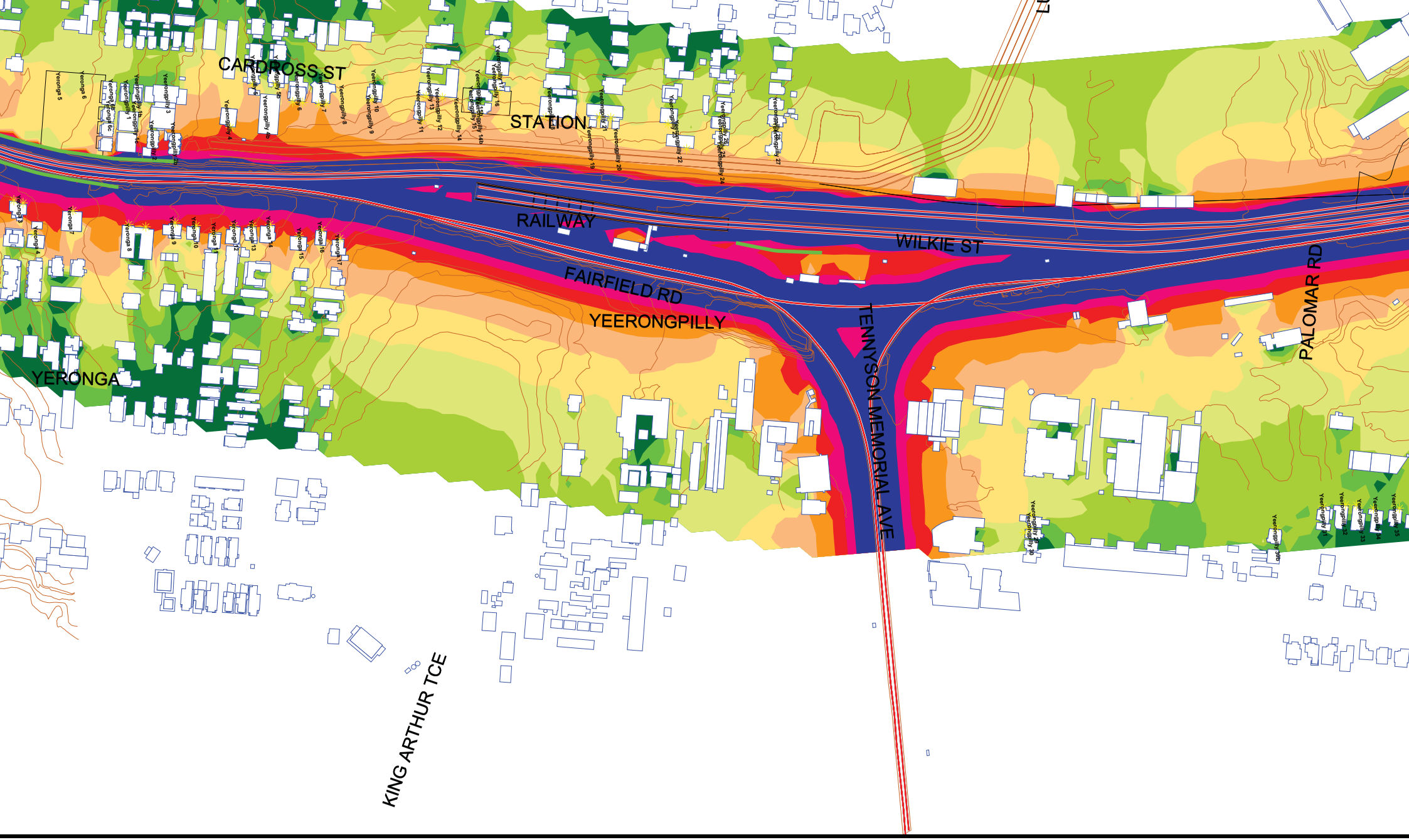

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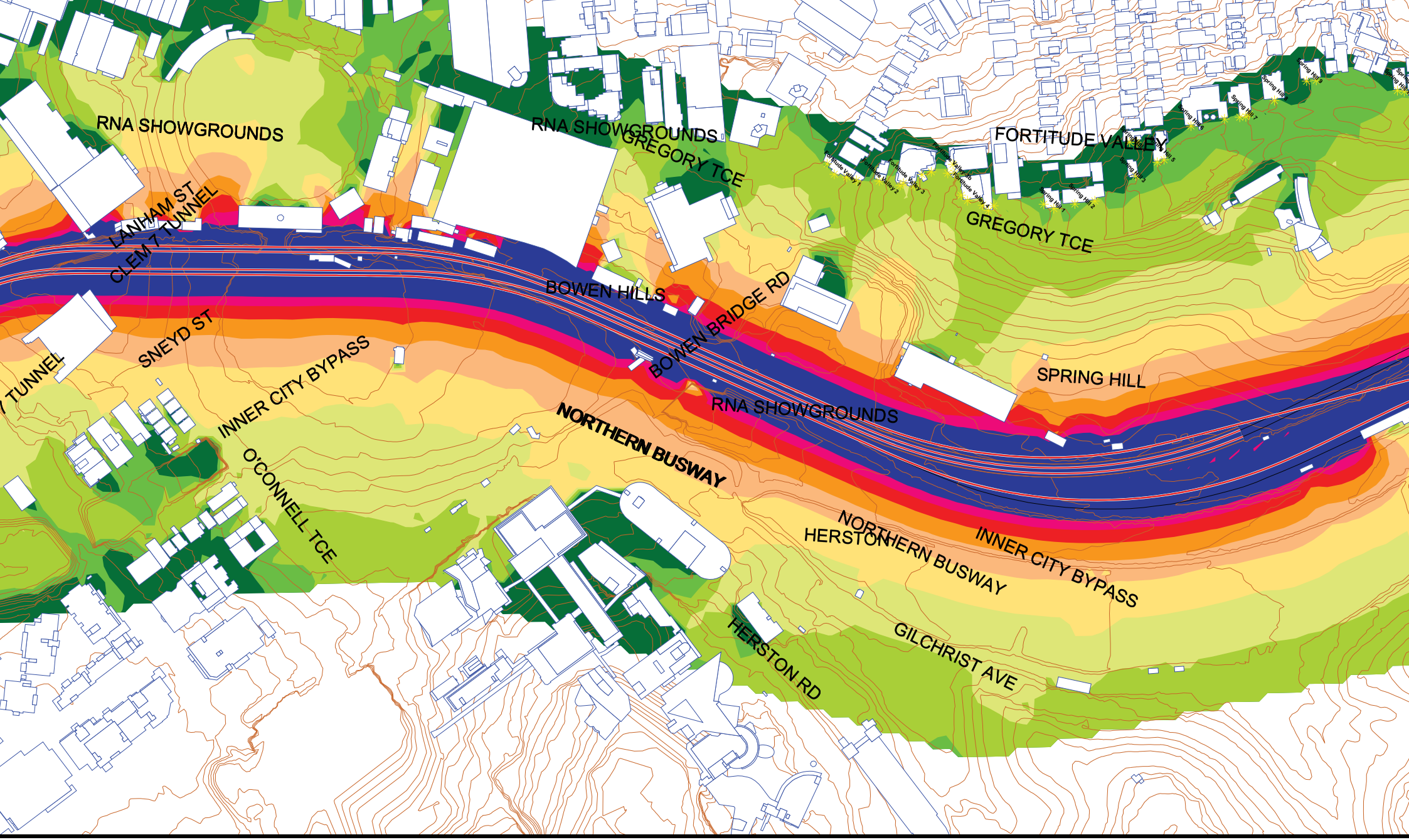

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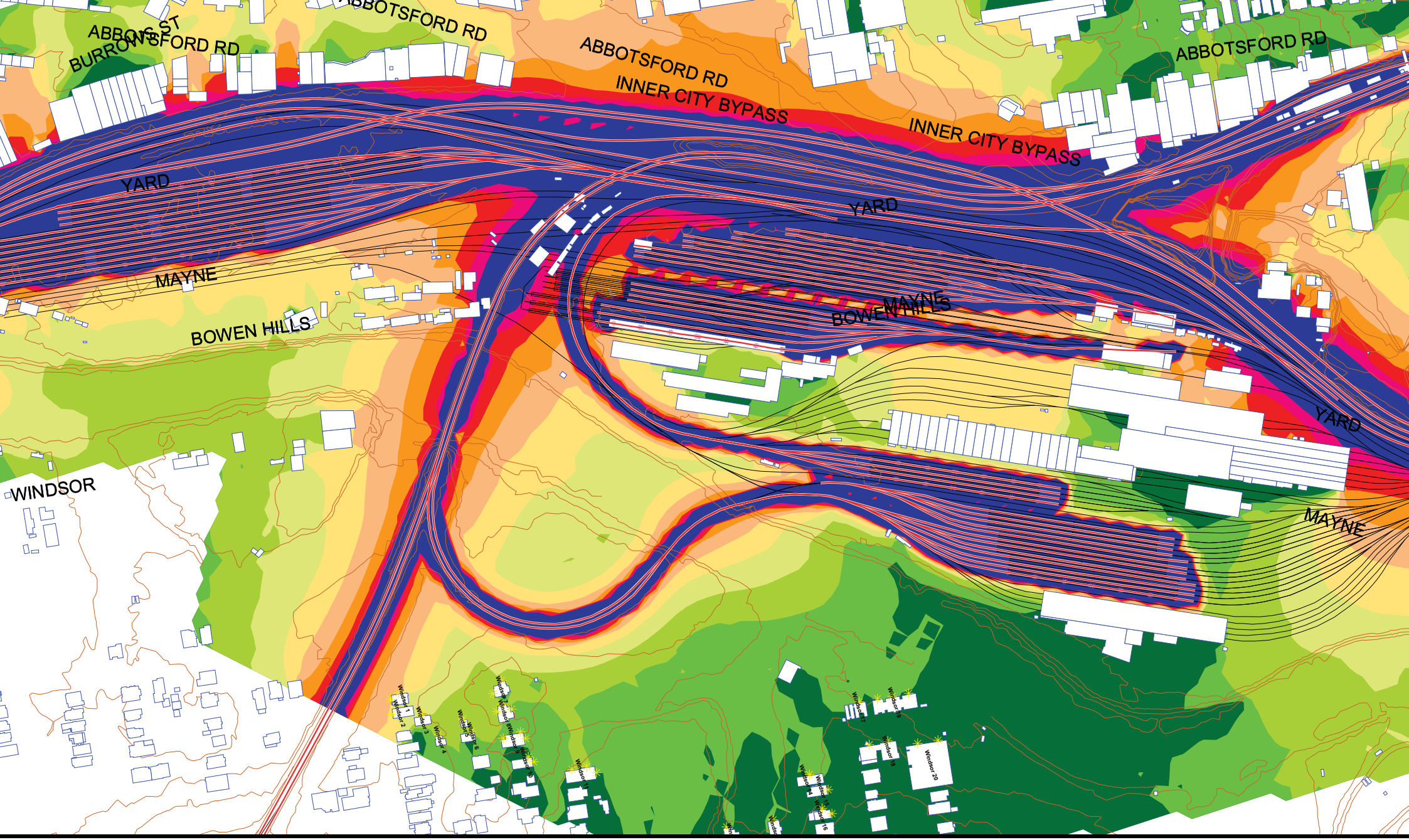

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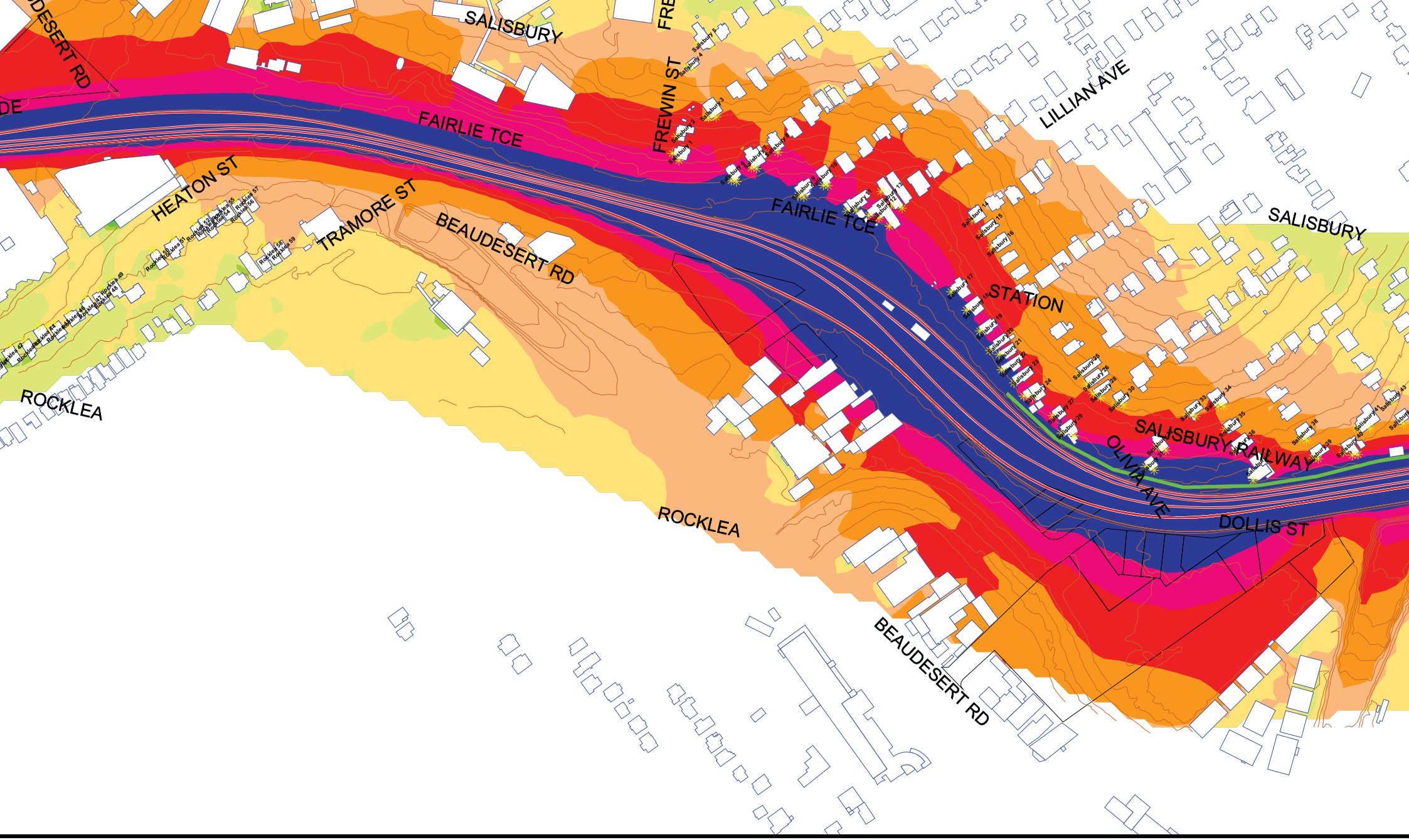

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Grid Noise Maps - 4.5 m Above Ground Level

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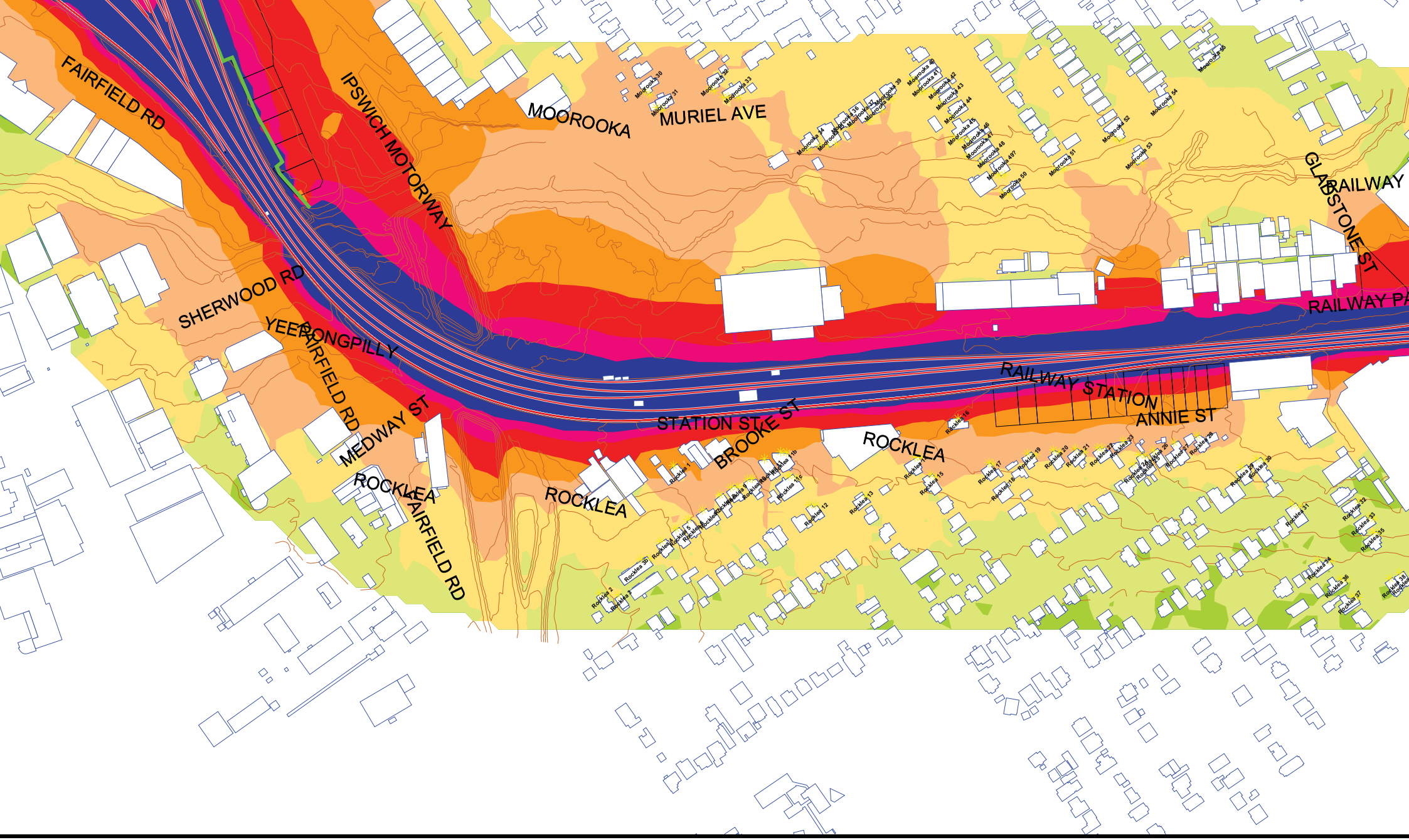

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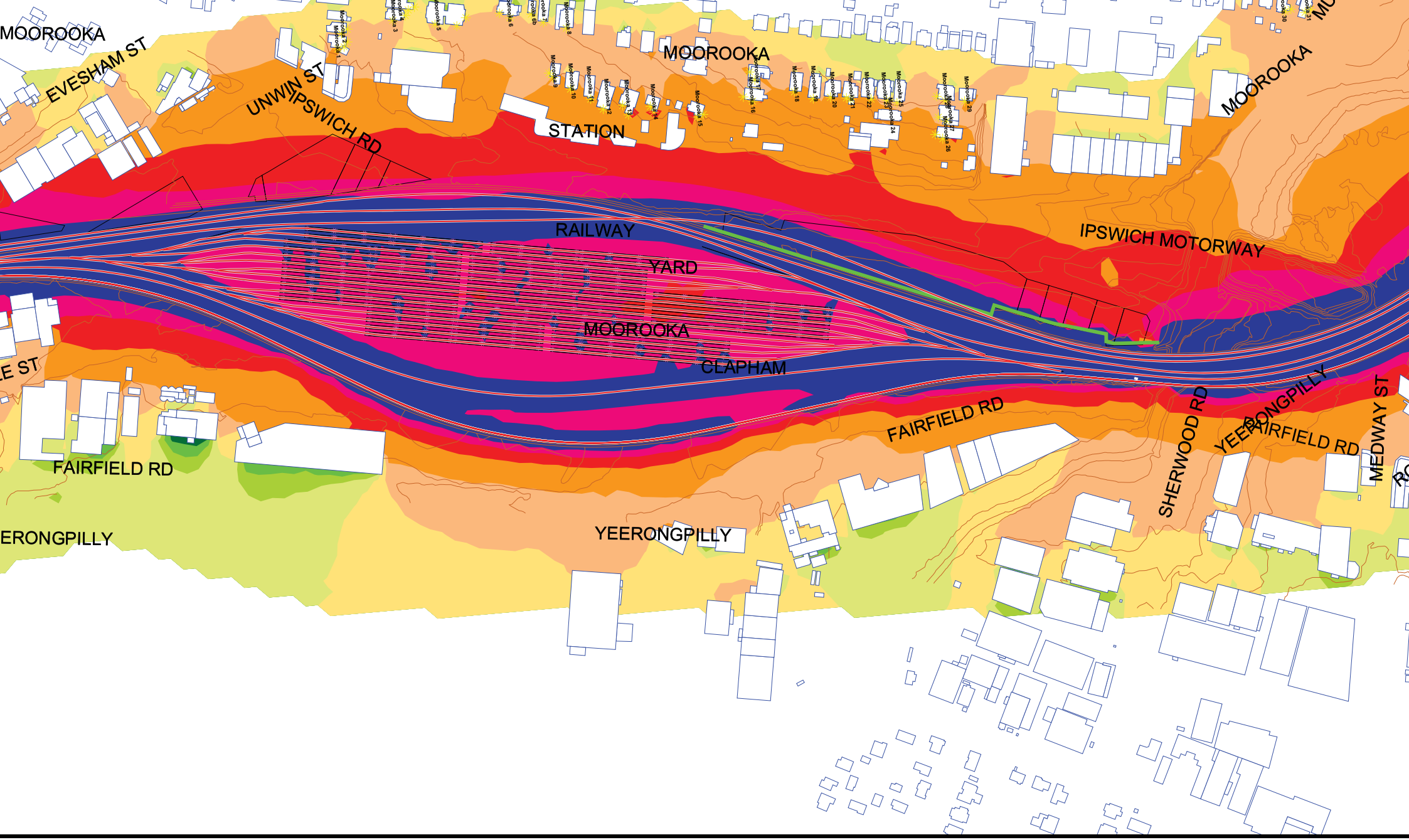

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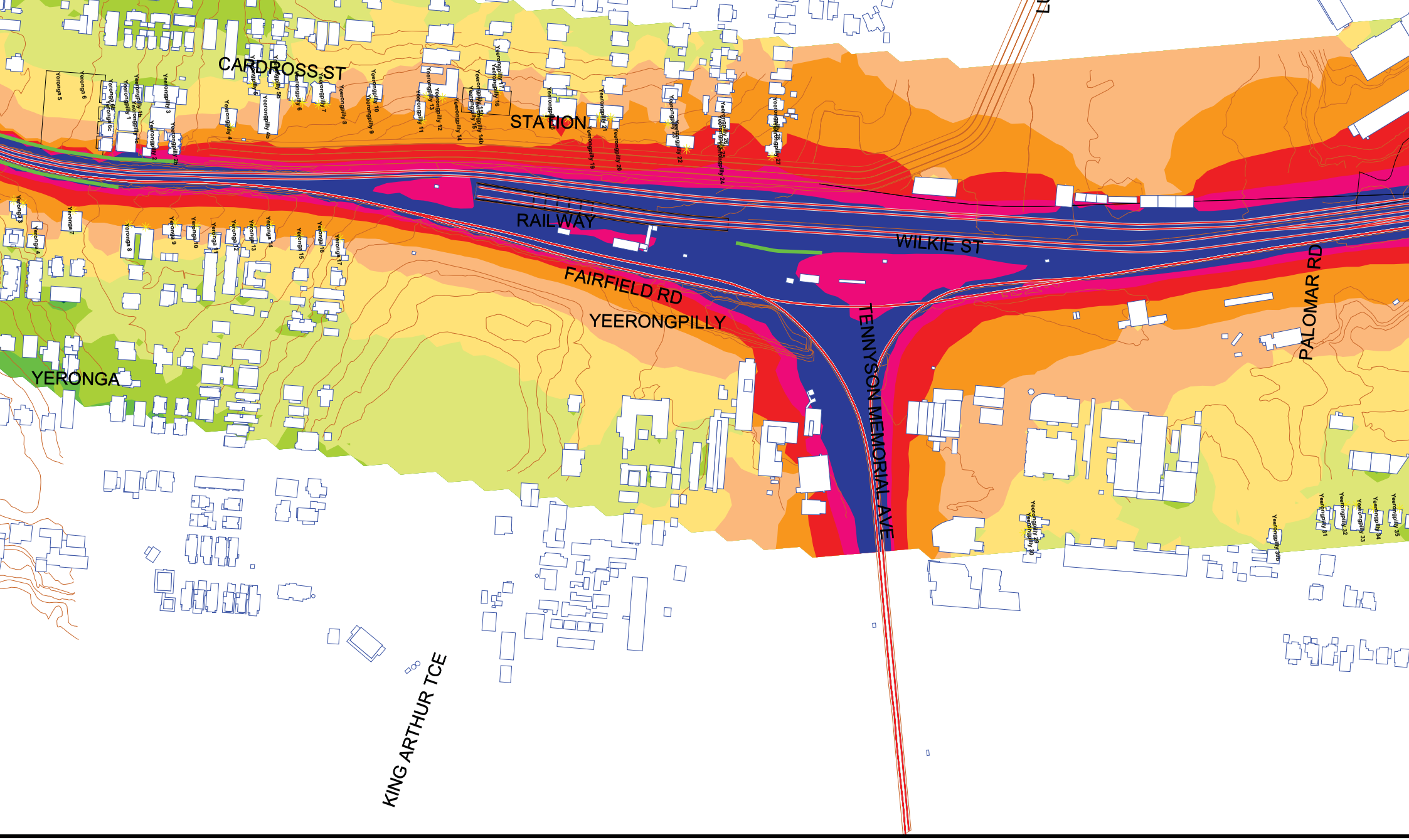

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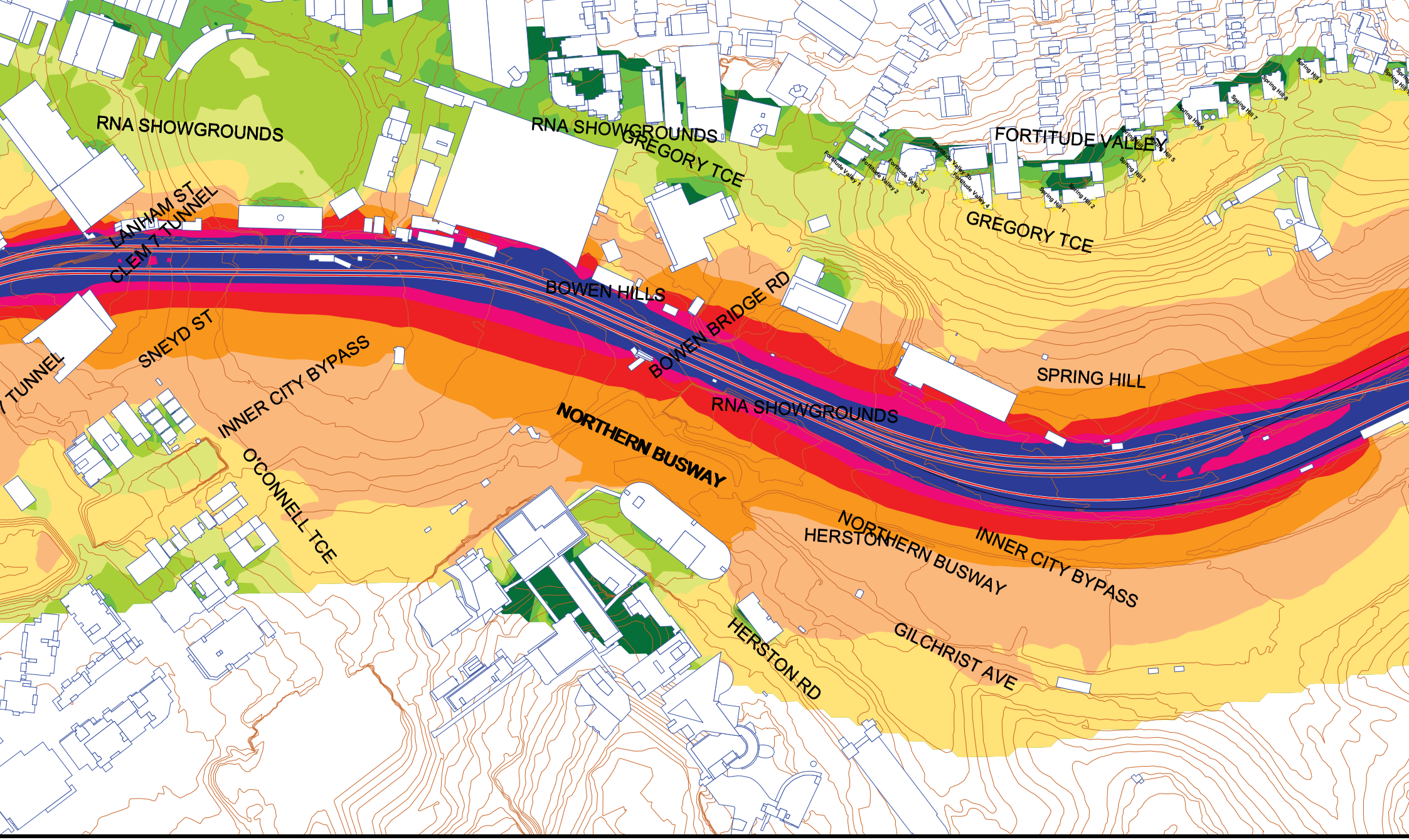

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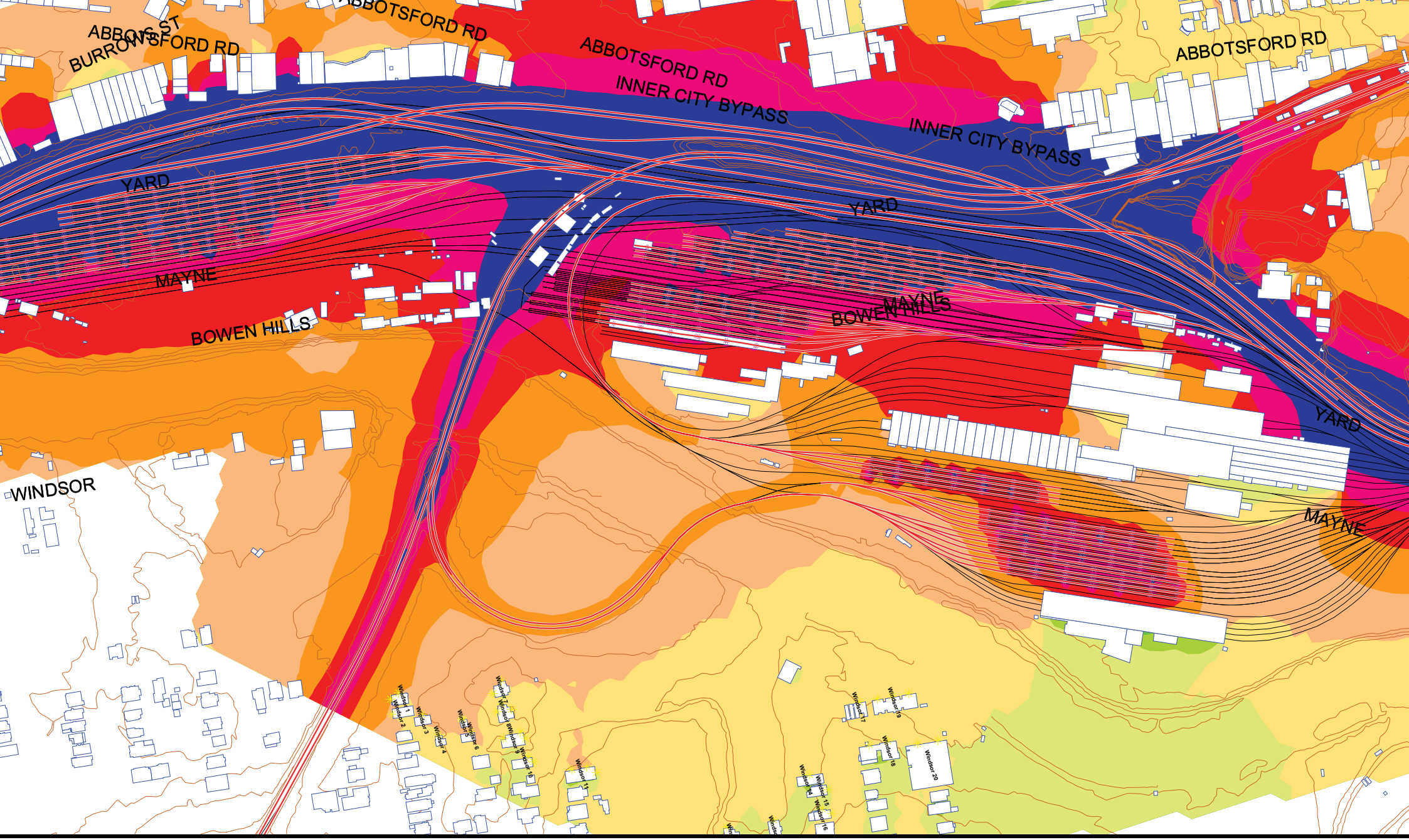

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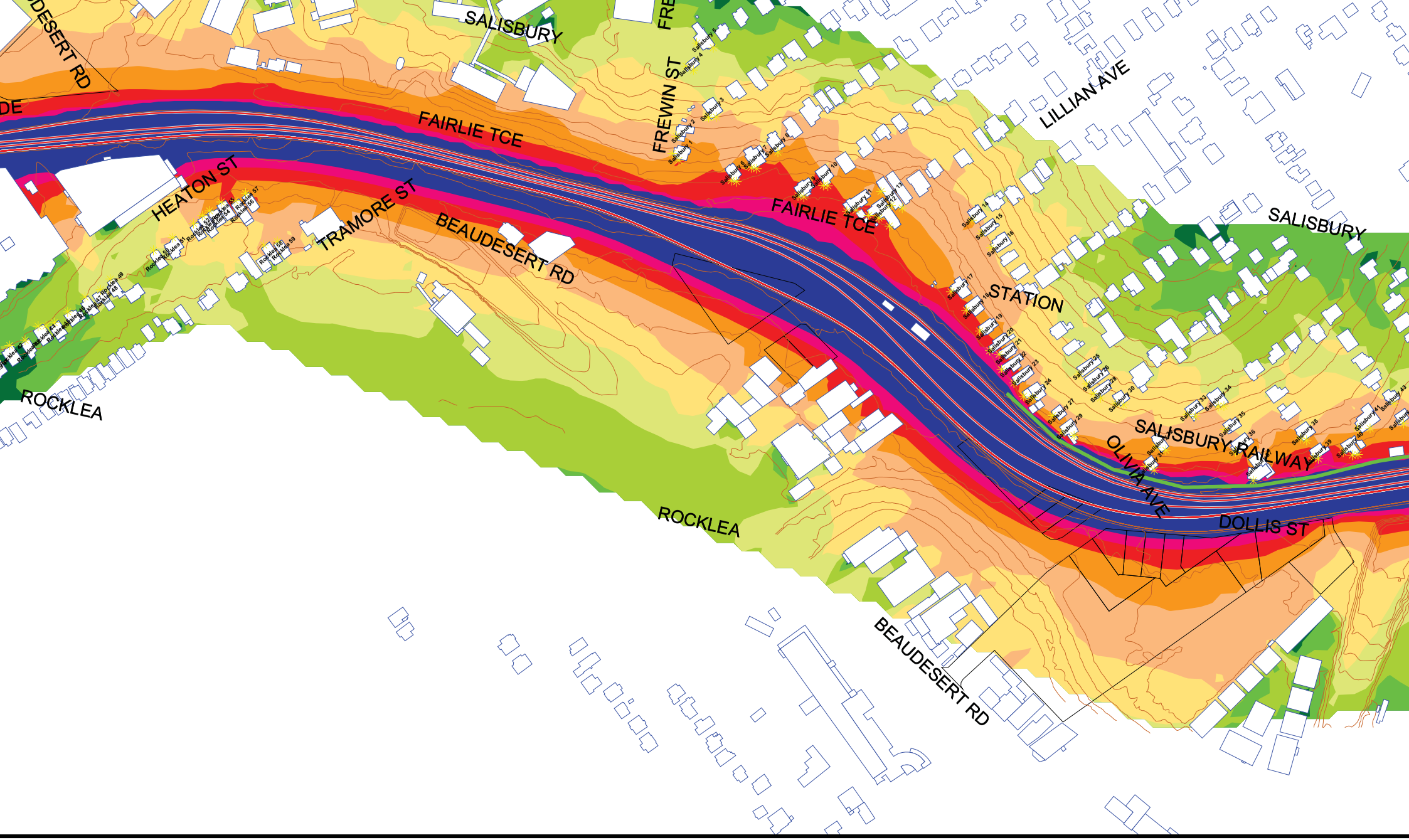

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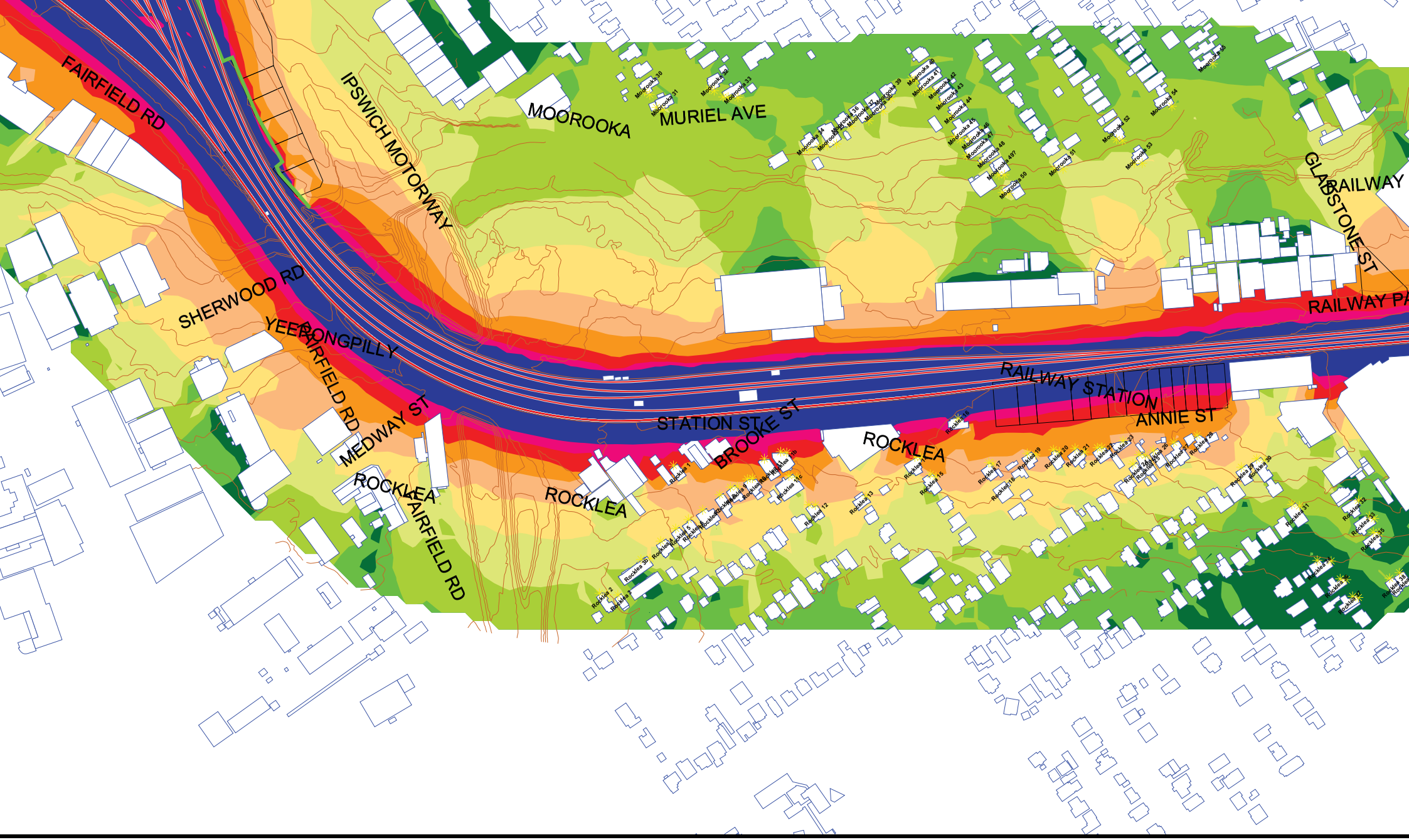

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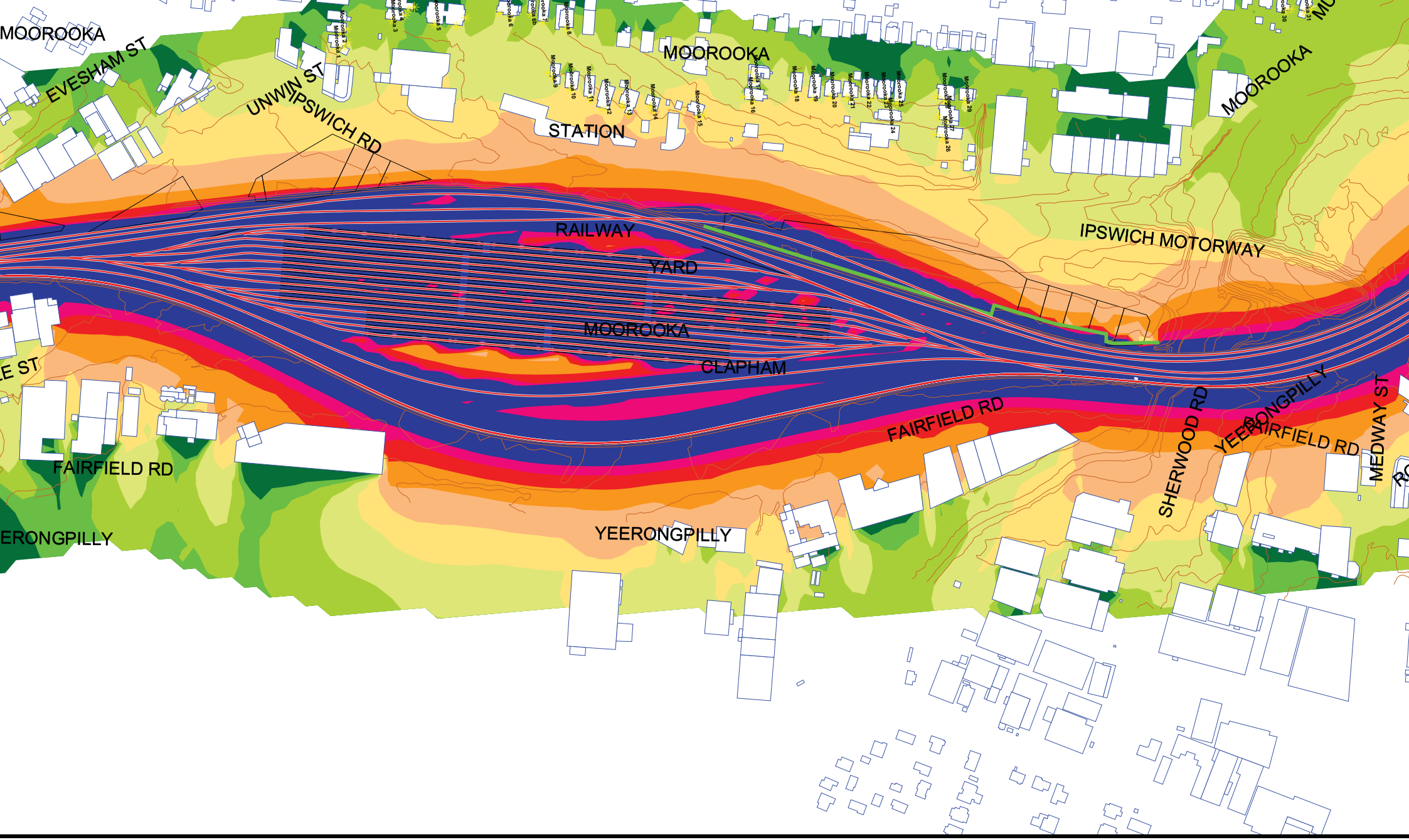

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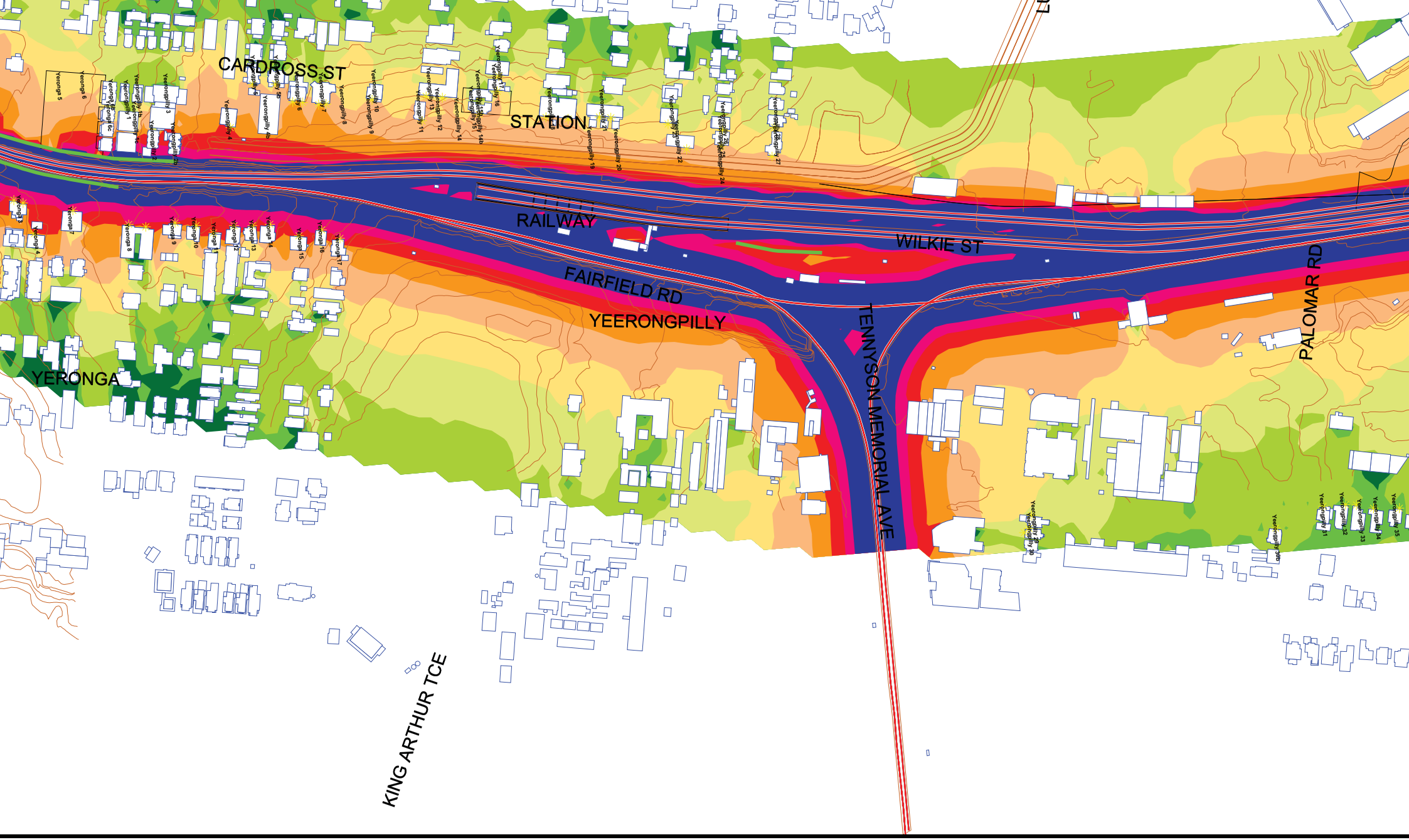

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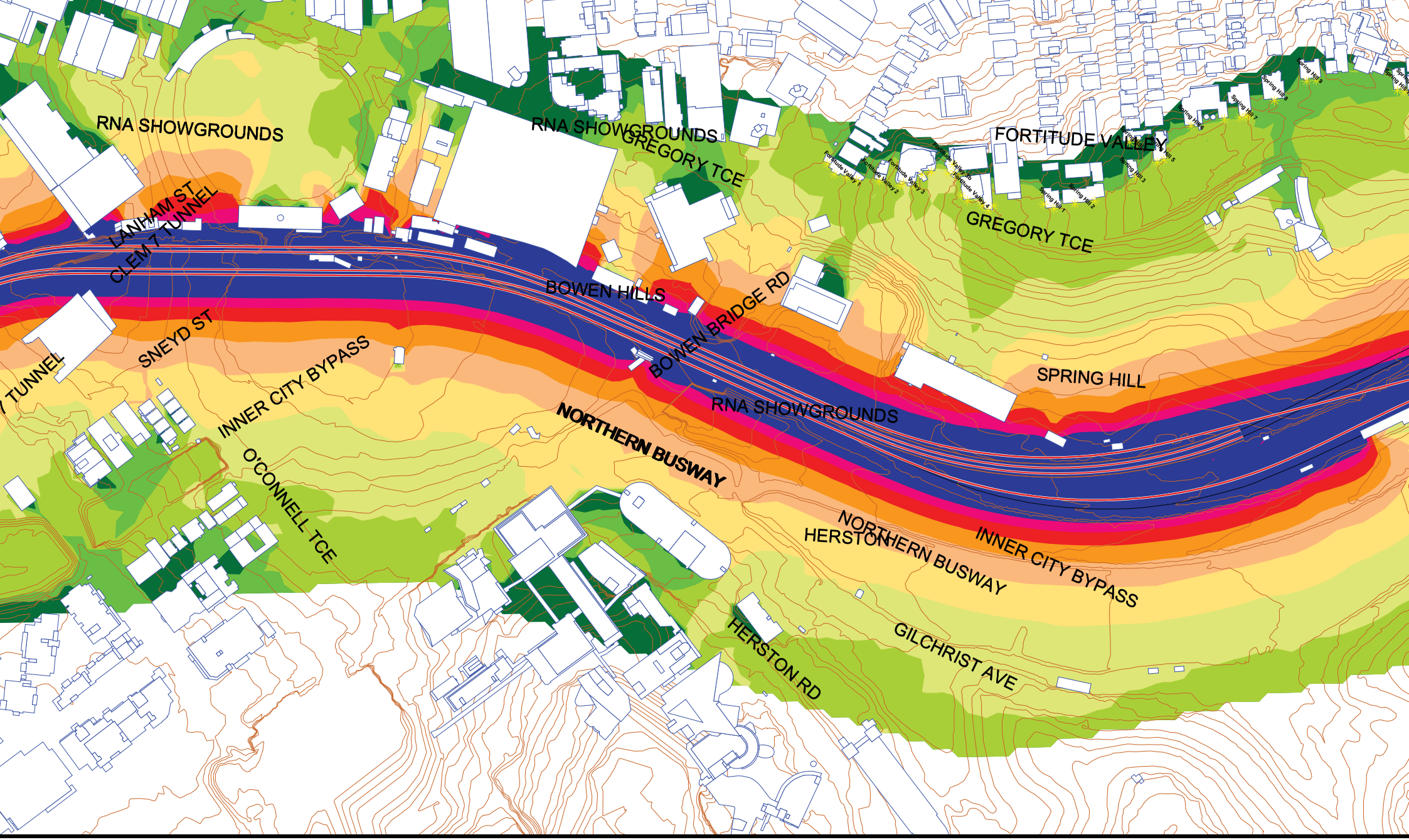

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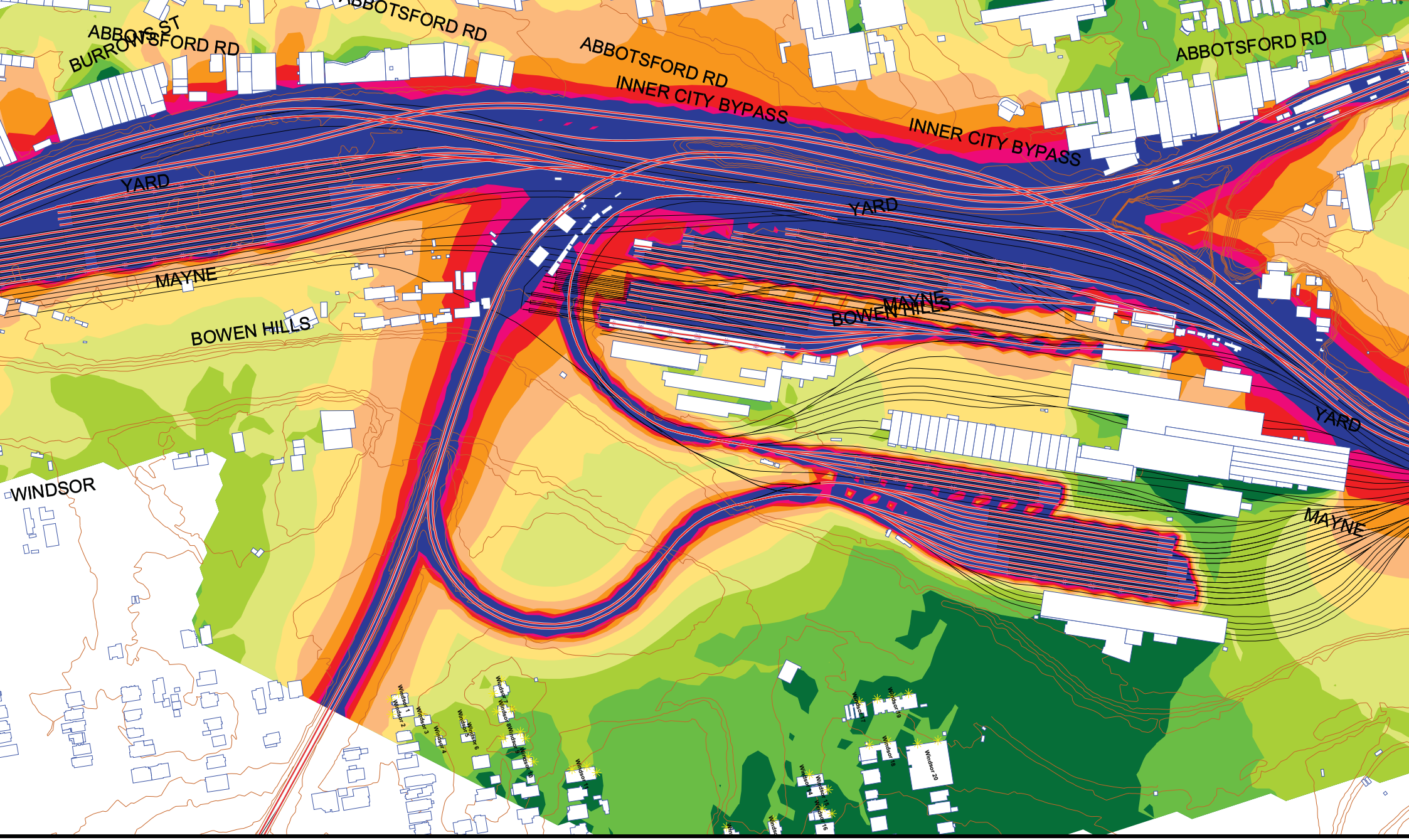

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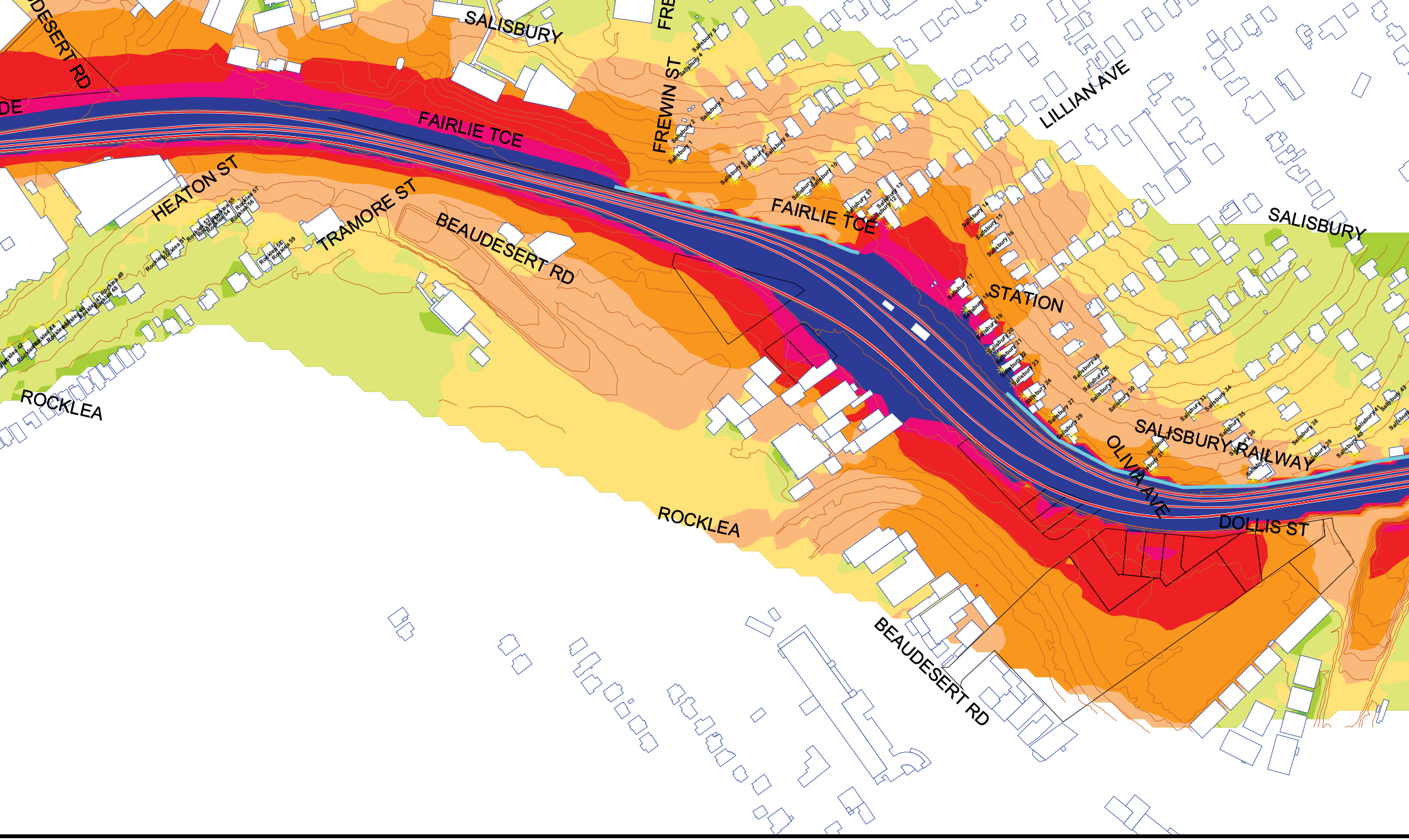
YEAR 2031 OPERATIONAL NOISE CONTOURS WITH DESIGNED MITIGATION



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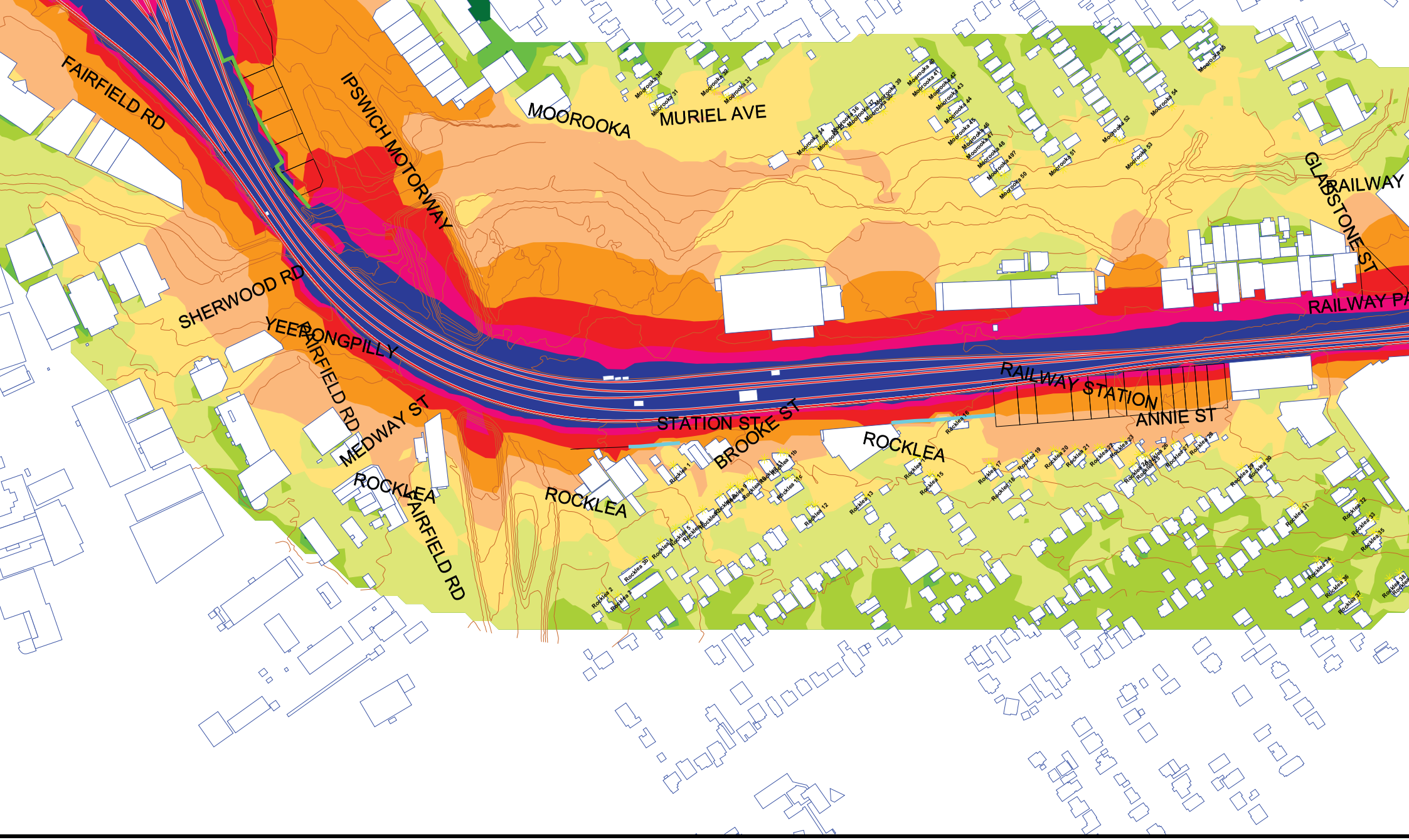

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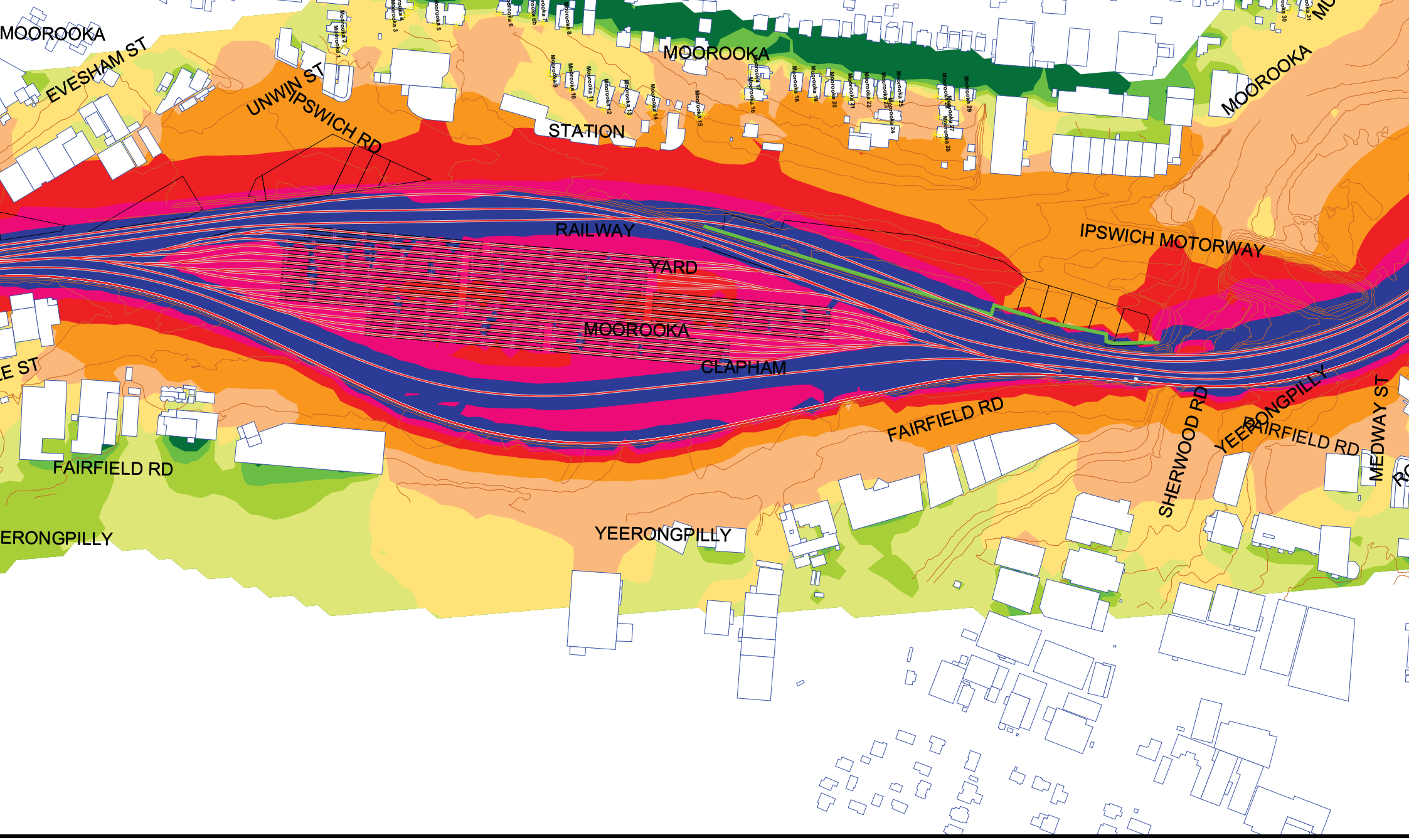

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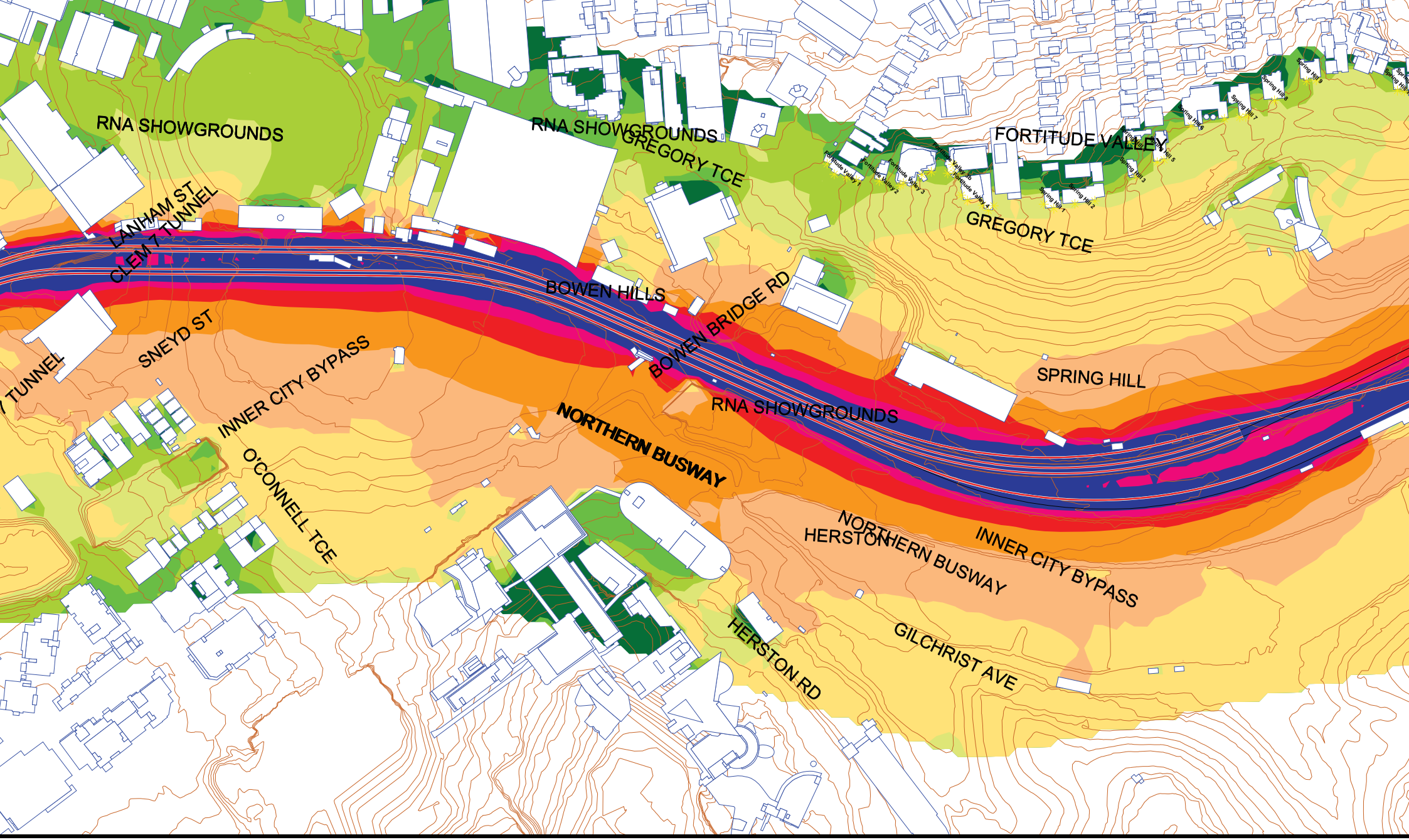

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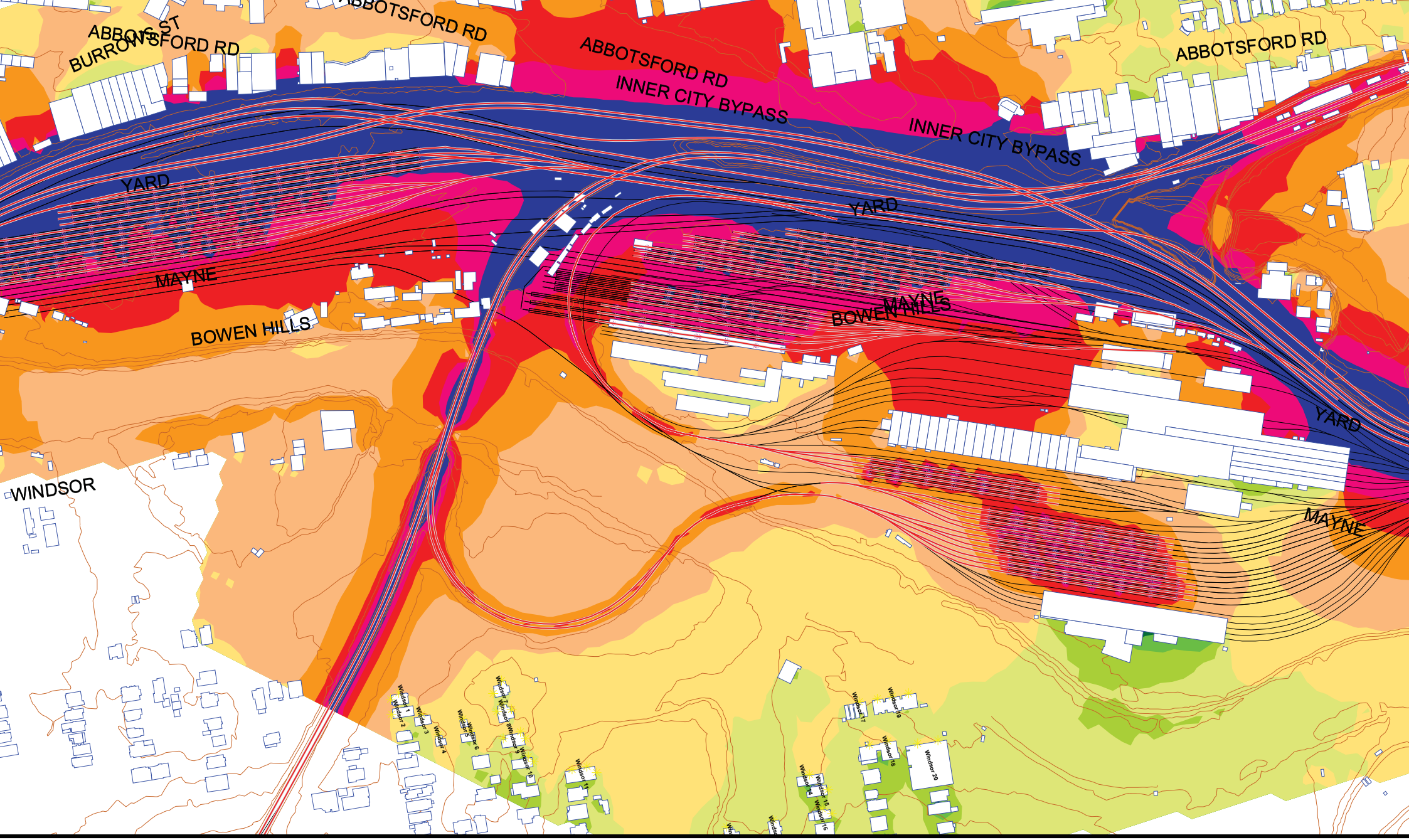

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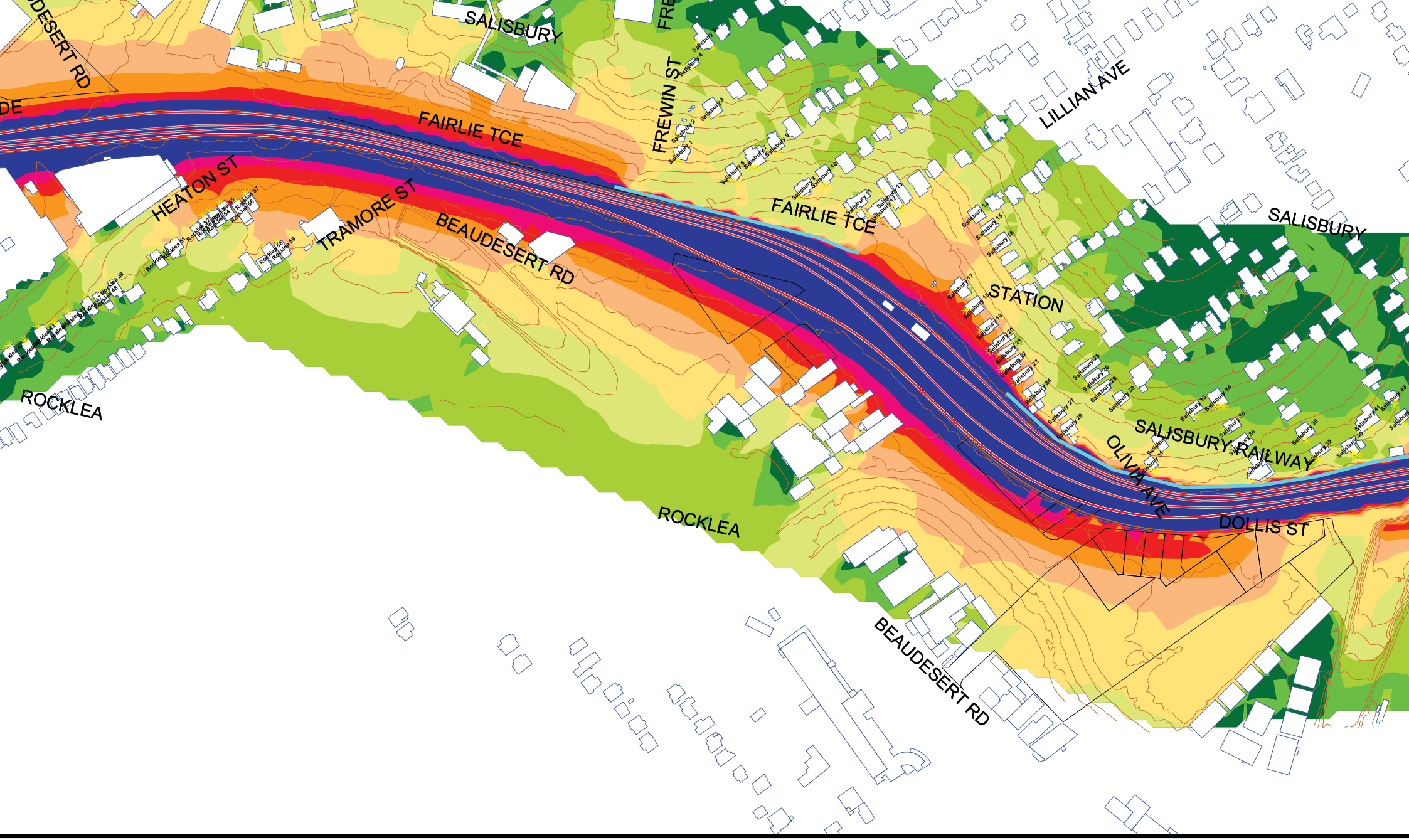

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20-2524 Cross River Rail Project

Operational Rail Noise
Predicted Single Event Maximum Rail Noise Levels
With Designed Noise Barriers

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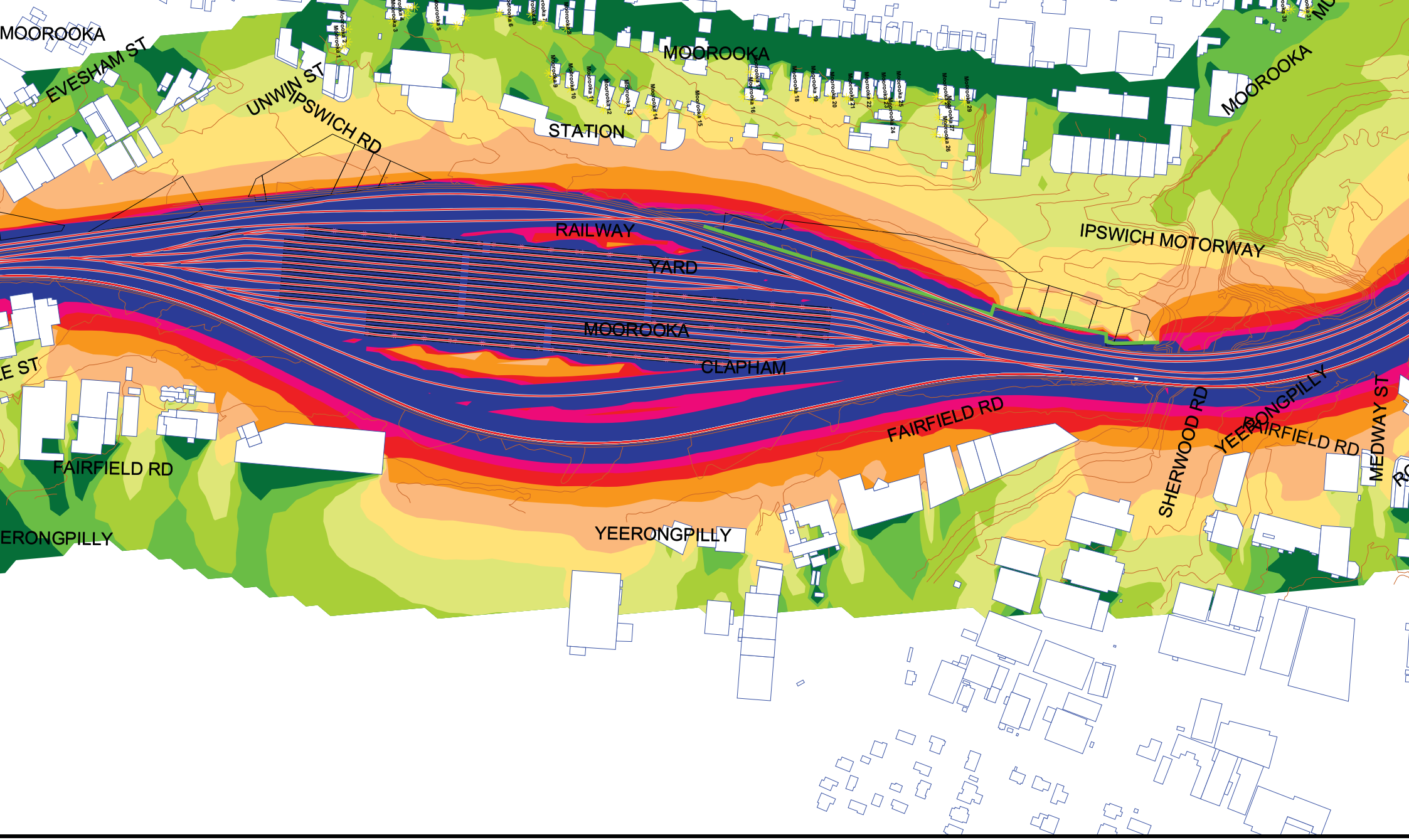
- Designed Noise Barrier
- Elevation line

20-2524 Cross River Rail Project

Operational Rail Noise
Predicted Single Event Maximum Rail Noise Levels
With Designed Noise Barriers

Scale 1:4000



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cade correction.

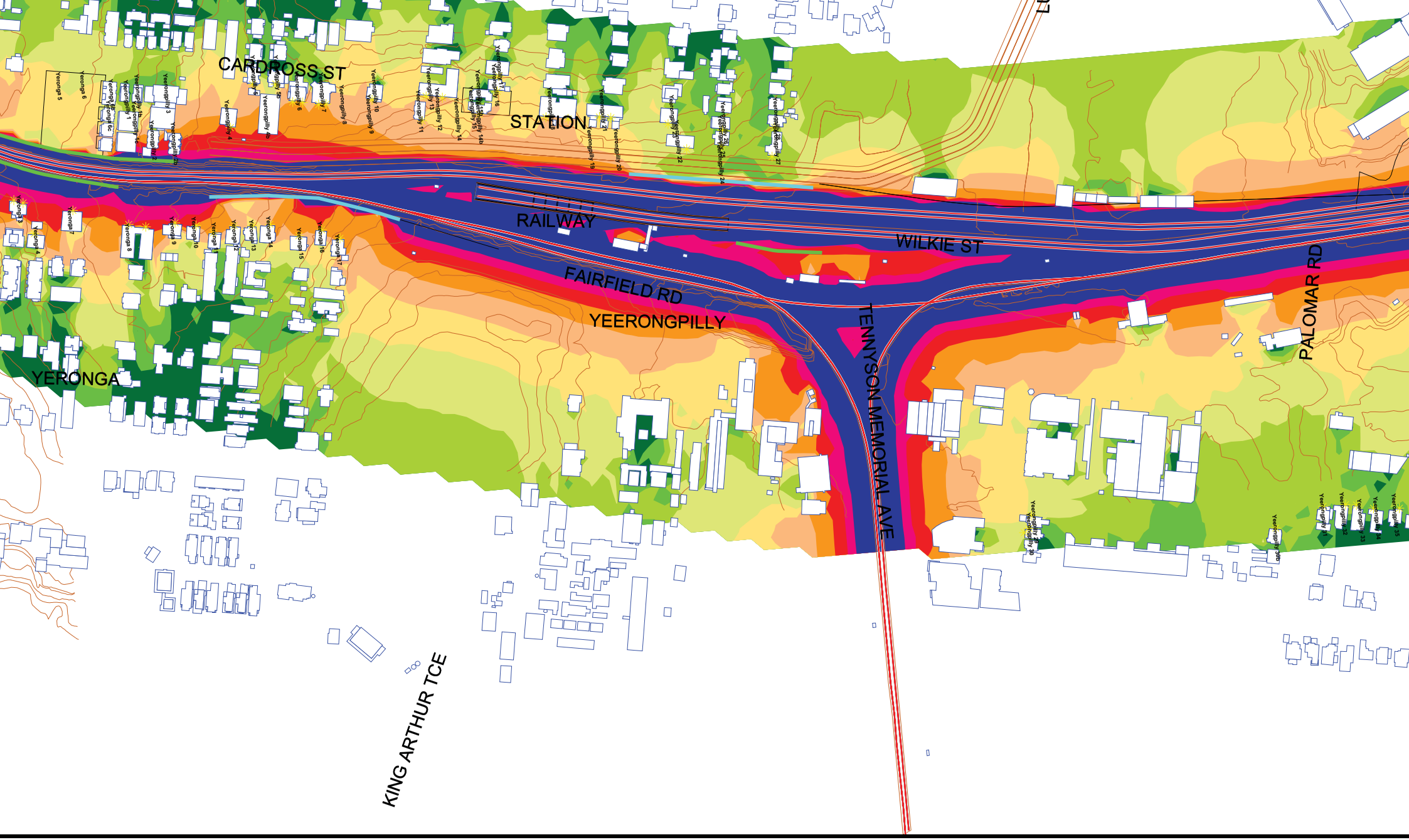
Signs and symbols

- Area source
- Building
- Designed Noise Barrier
- Elevation line

20-2524 Cross River Rail Project

Operational Rail Noise
Predicted Single Event Maximum Rail Noise Levels
With Designed Noise Barriers

Scale 1:4000



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Signs and symbols

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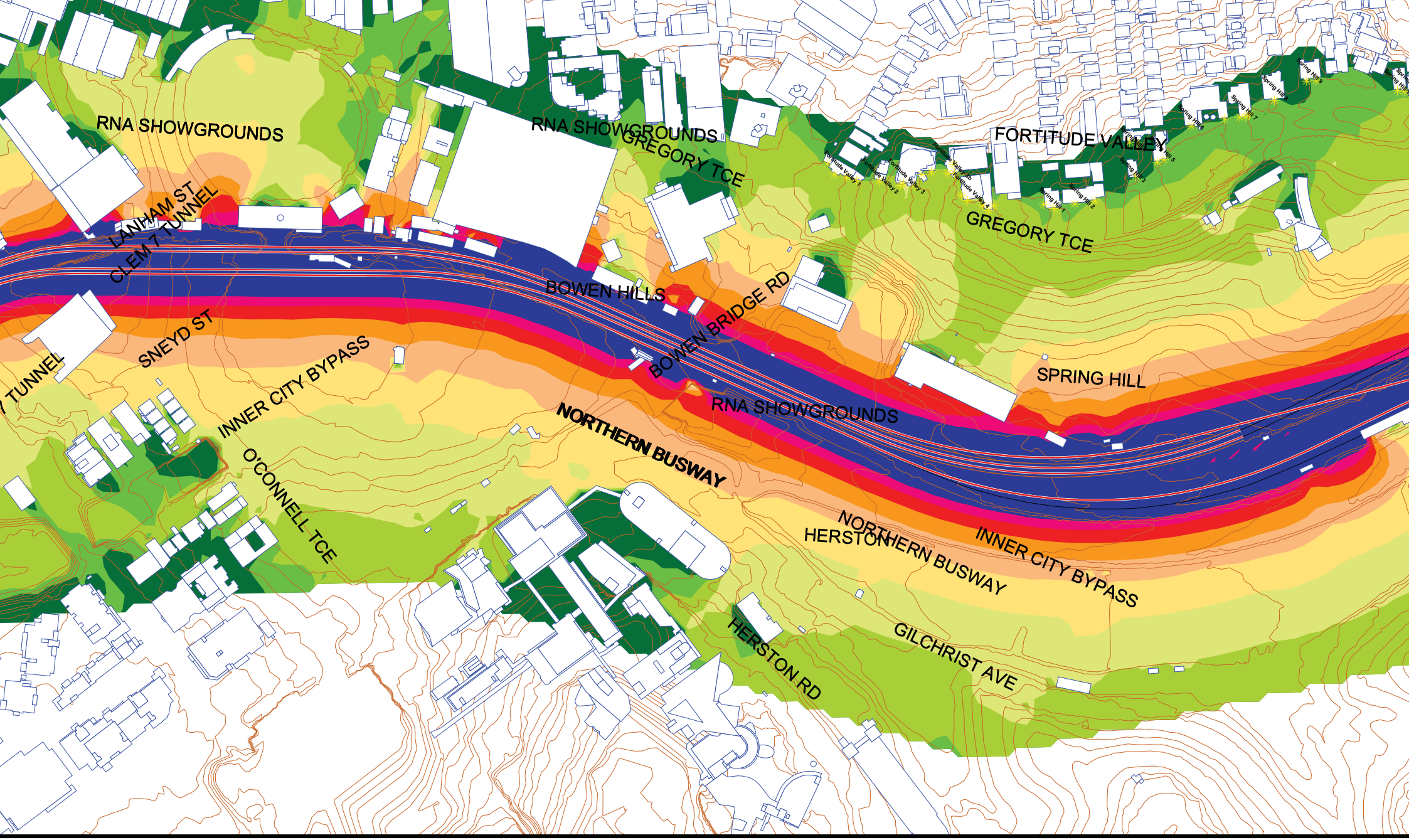
20-2524 Cross River Rail Project

Operational Rail Noise
Predicted Single Event Maximum Rail Noise Levels
With Designed Noise Barriers

Scale 1:4000



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20-2524 Cross River Rail Project

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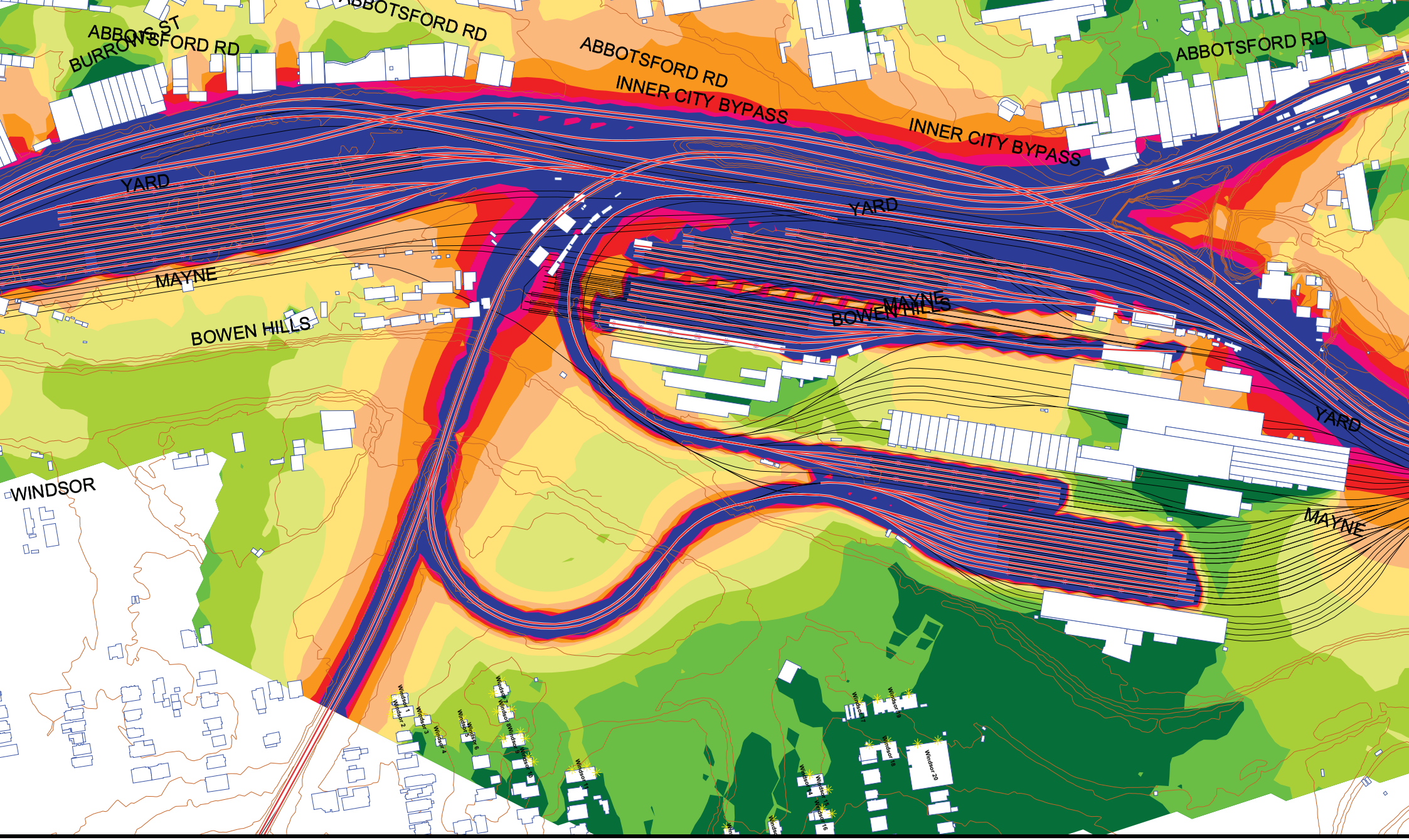

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20-2524 Cross River Rail Project

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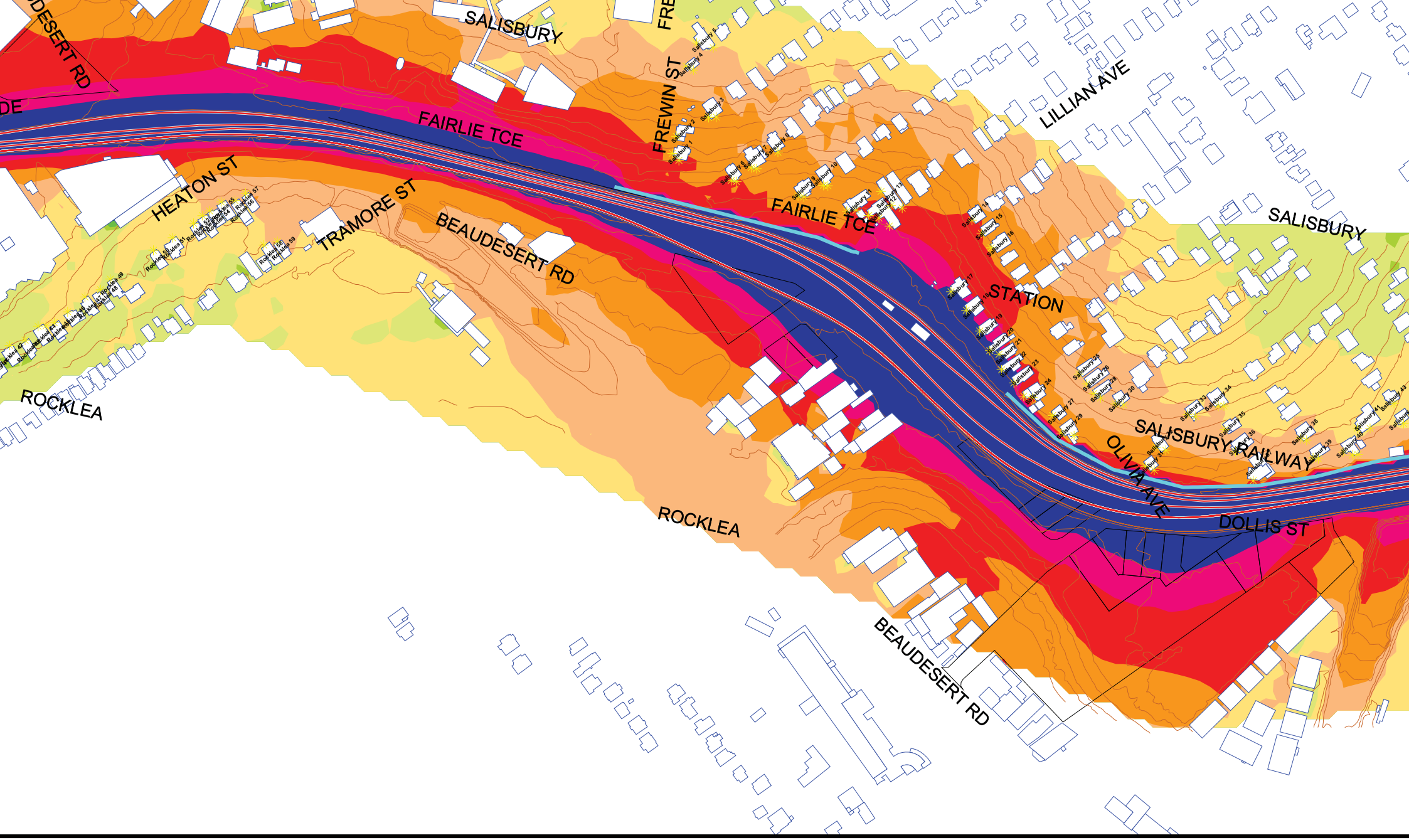
Scale 1:4000



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Signs and symbols

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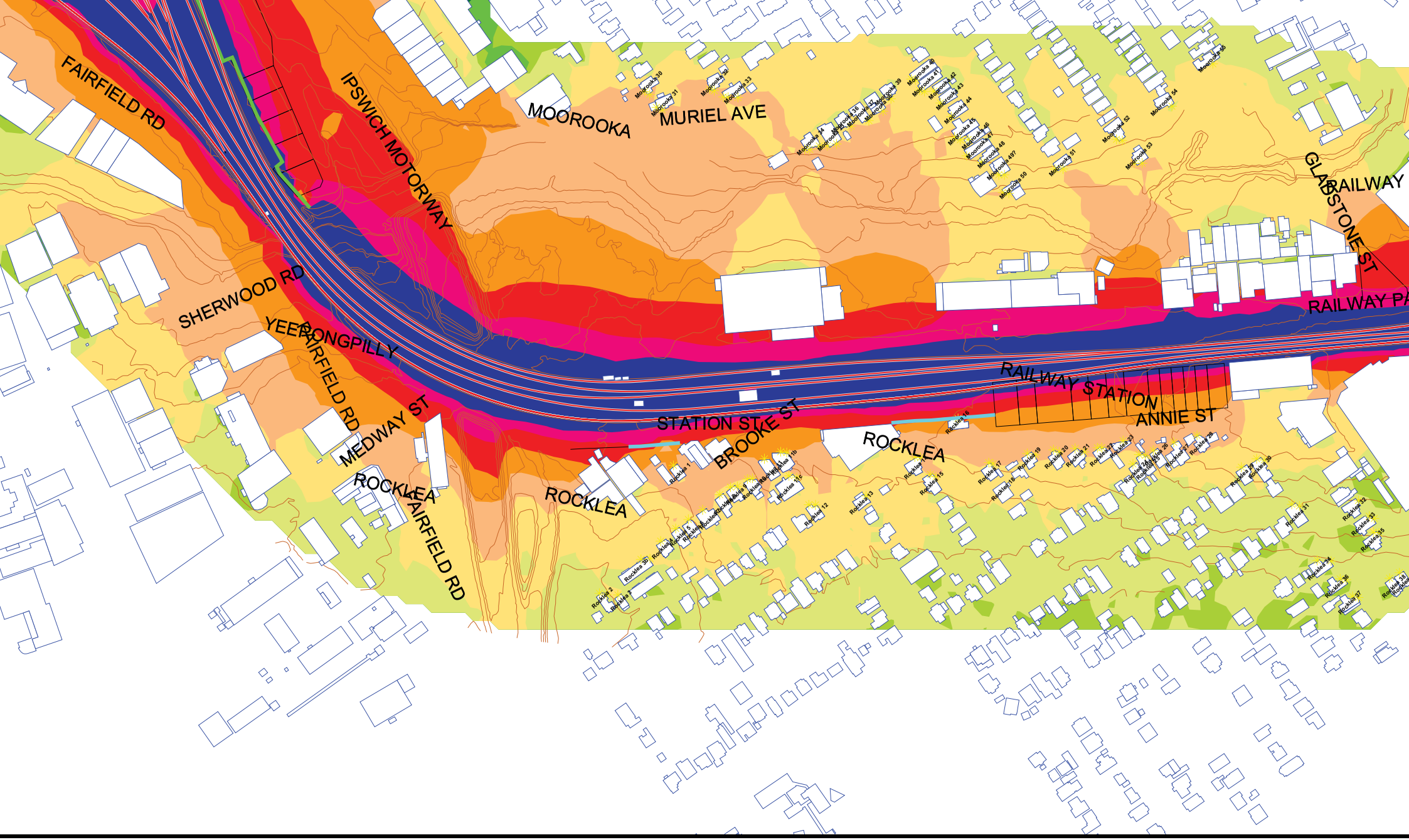
- Elevation line

20-2524 Cross River Rail Project

Operational Rail Noise
Predicted LAeq(24hour) Rail Noise Levels
With Designed Noise Barriers

Scale 1:4000



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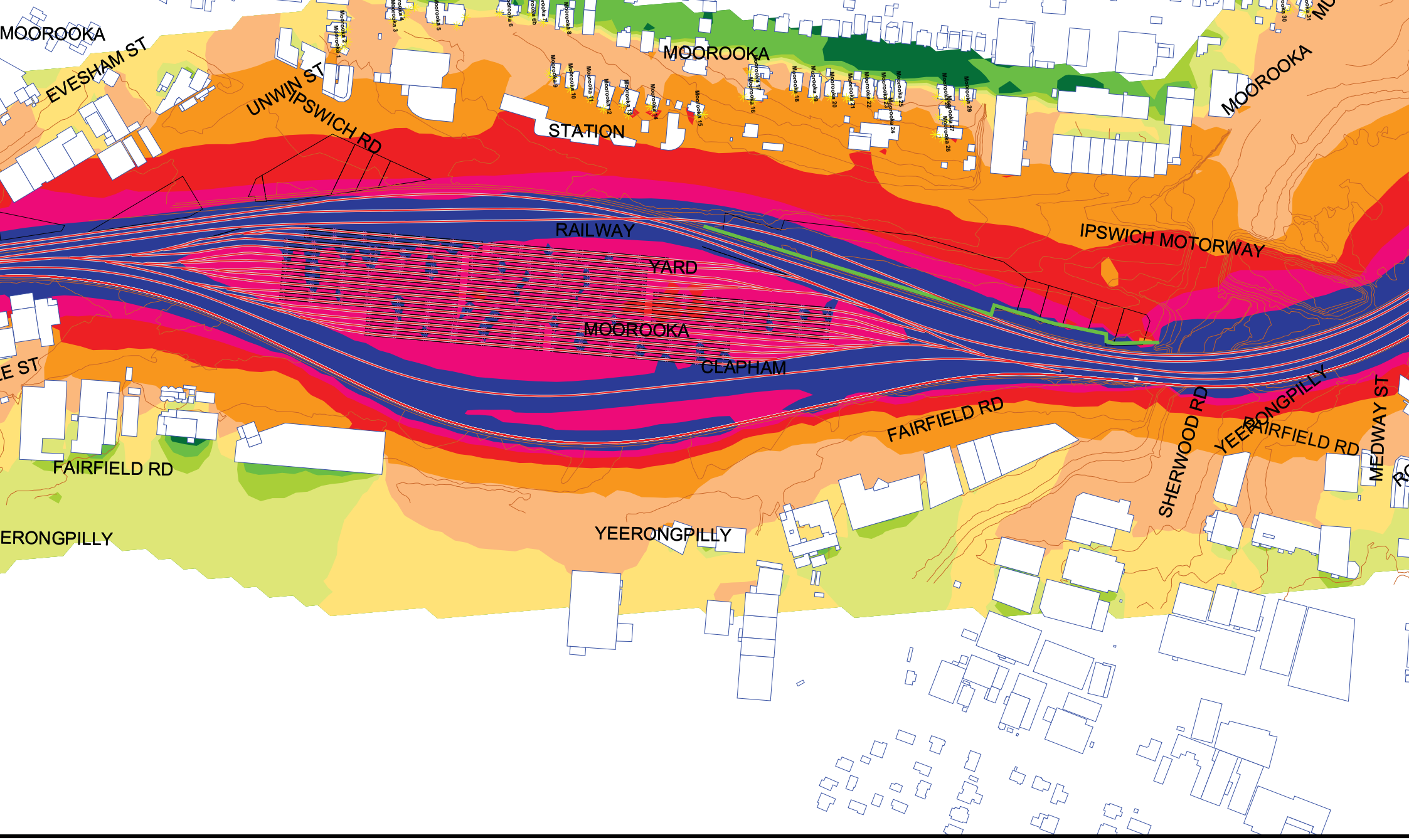
20-2524 Cross River Rail Project

Operational Rail Noise
Predicted LAeq(24hour) Rail Noise Levels
With Designed Noise Barriers

Scale 1:4000



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20-2524 Cross River Rail Project

Operational Rail Noise
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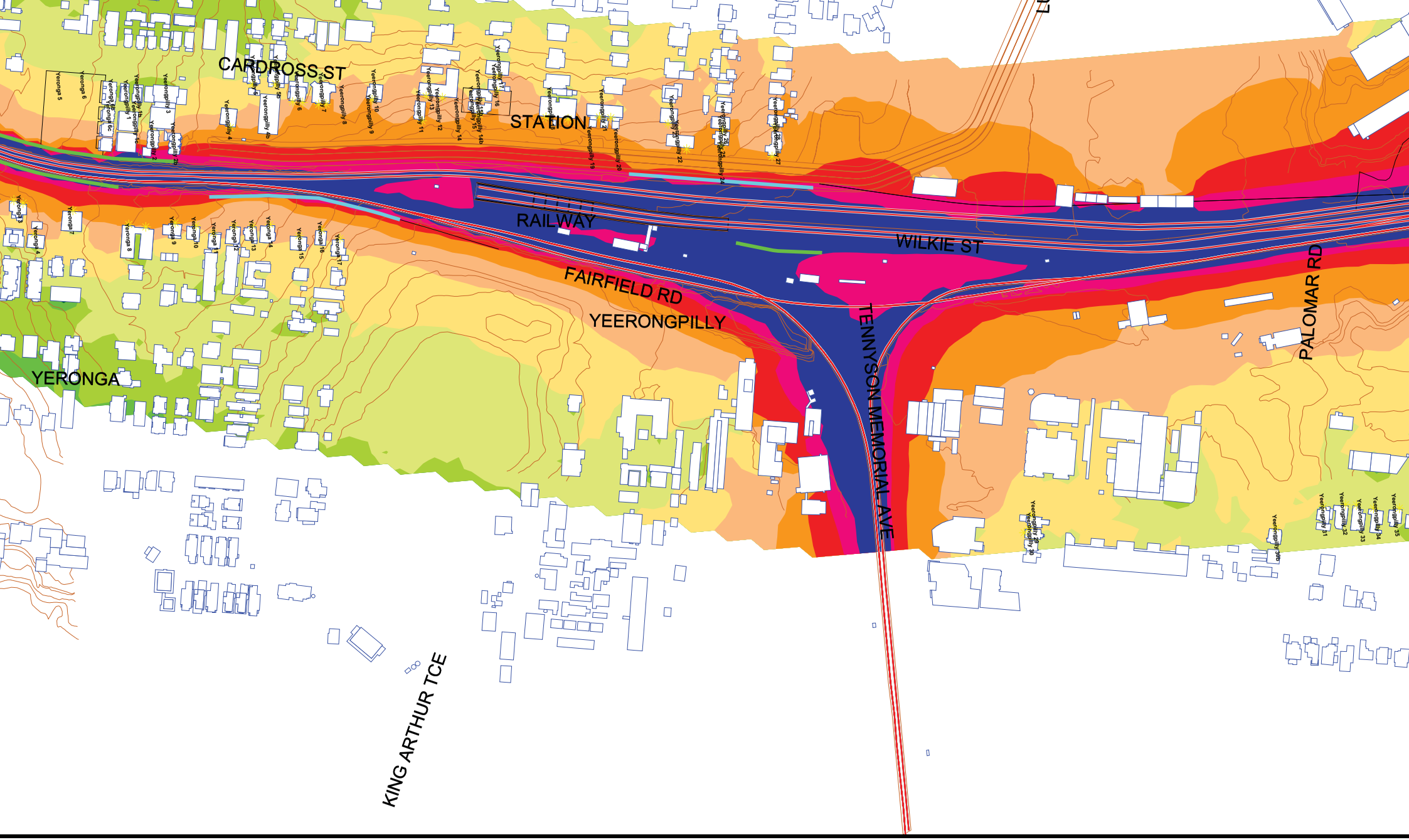
Scale 1:4000



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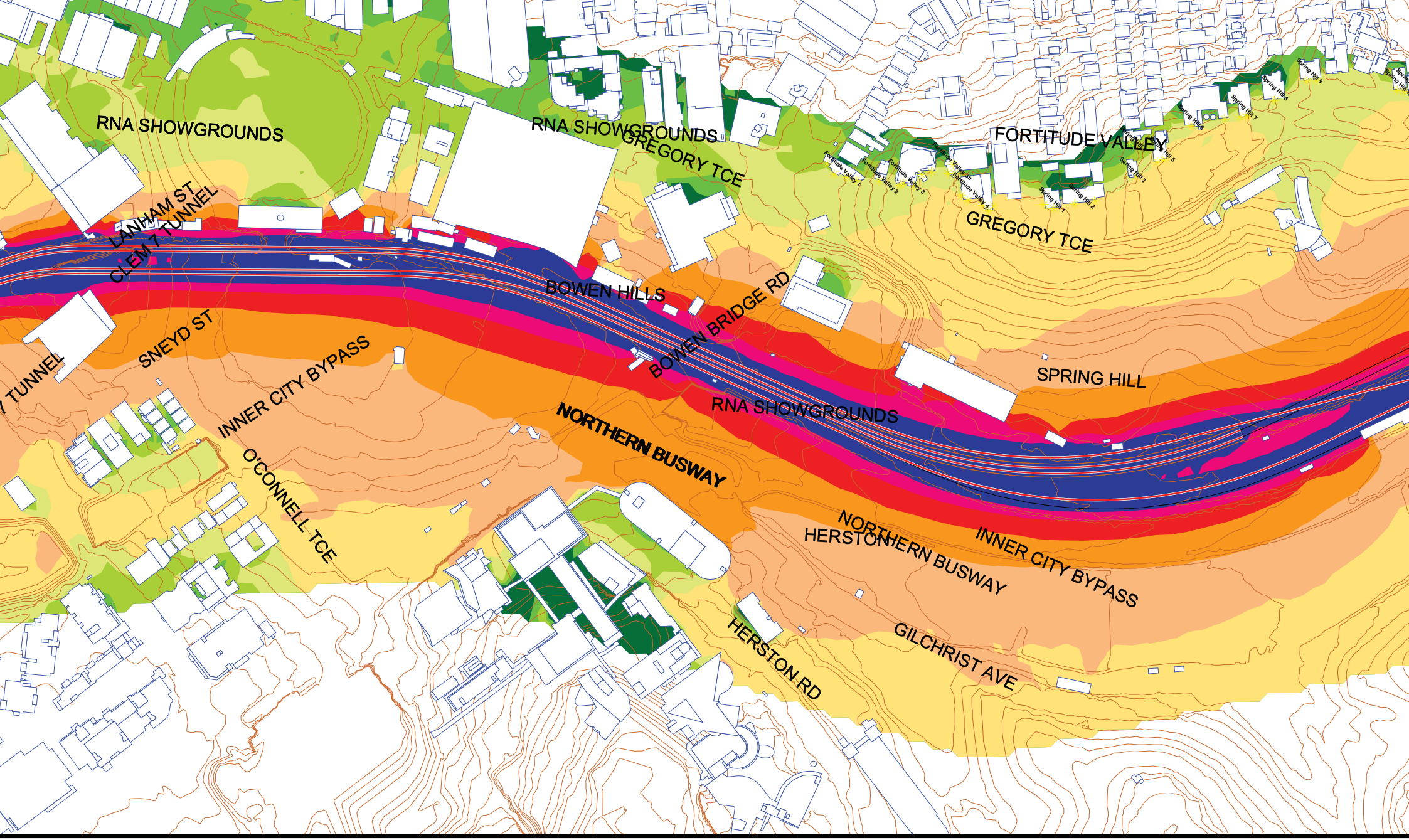

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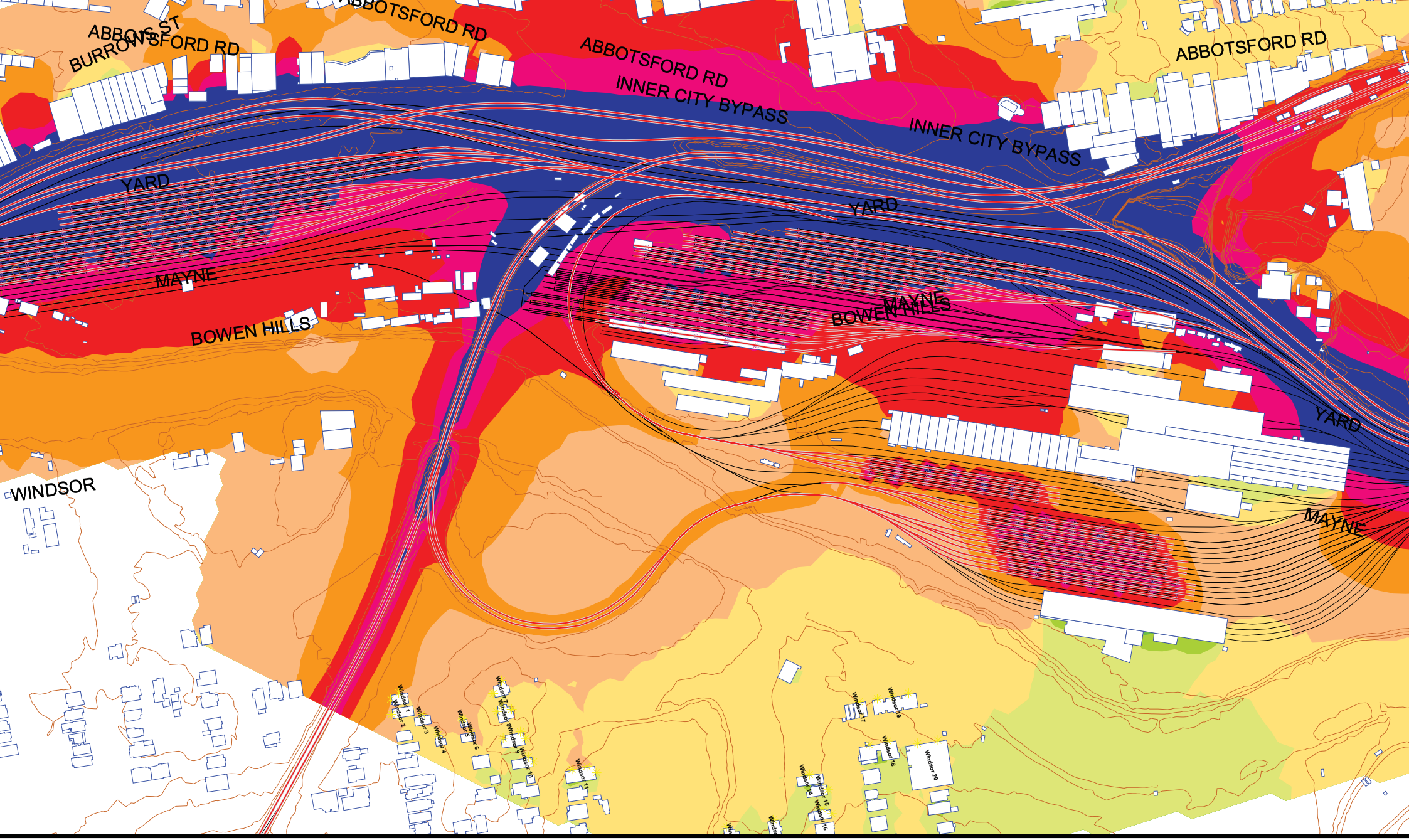

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20-2524 Cross River Rail Project

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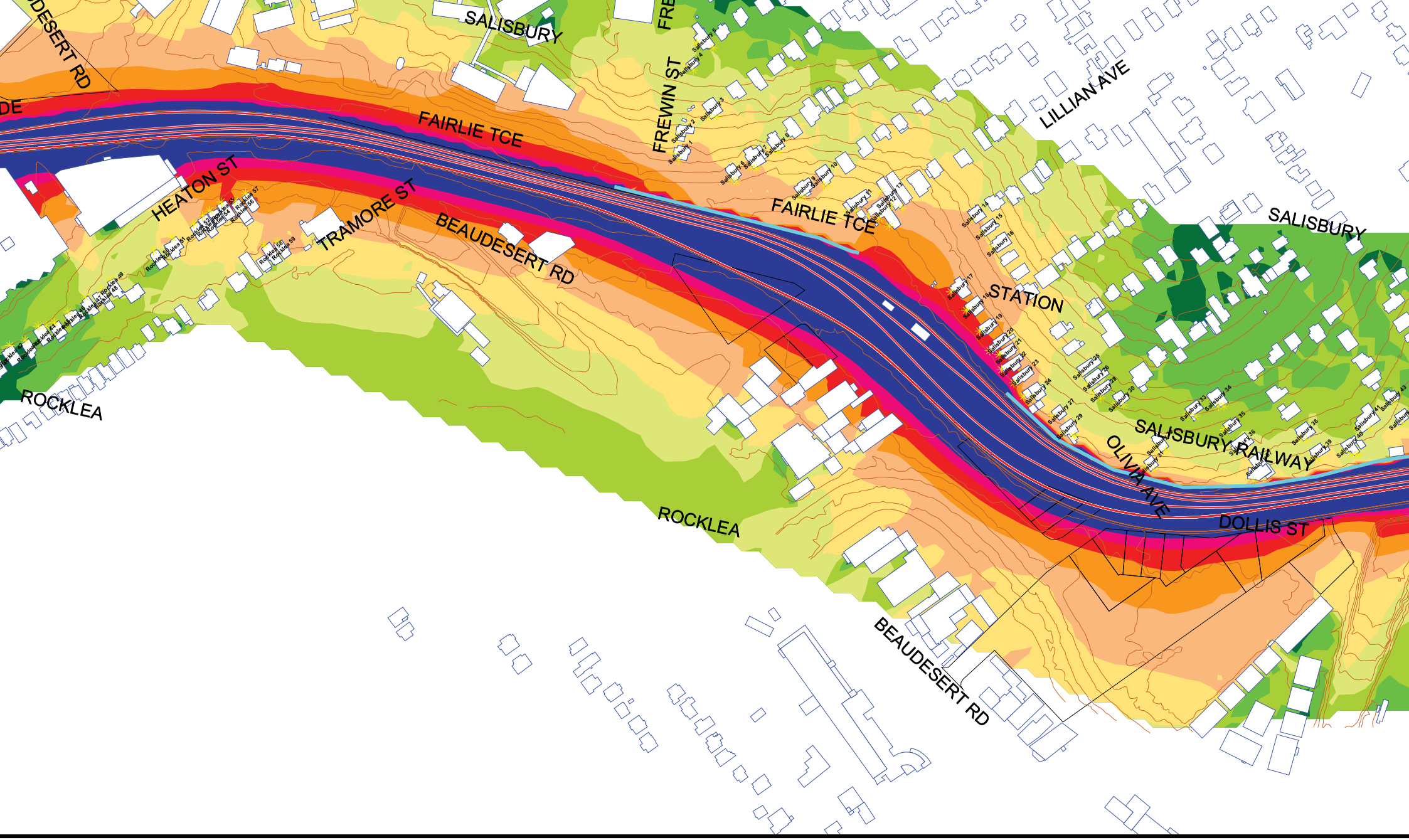

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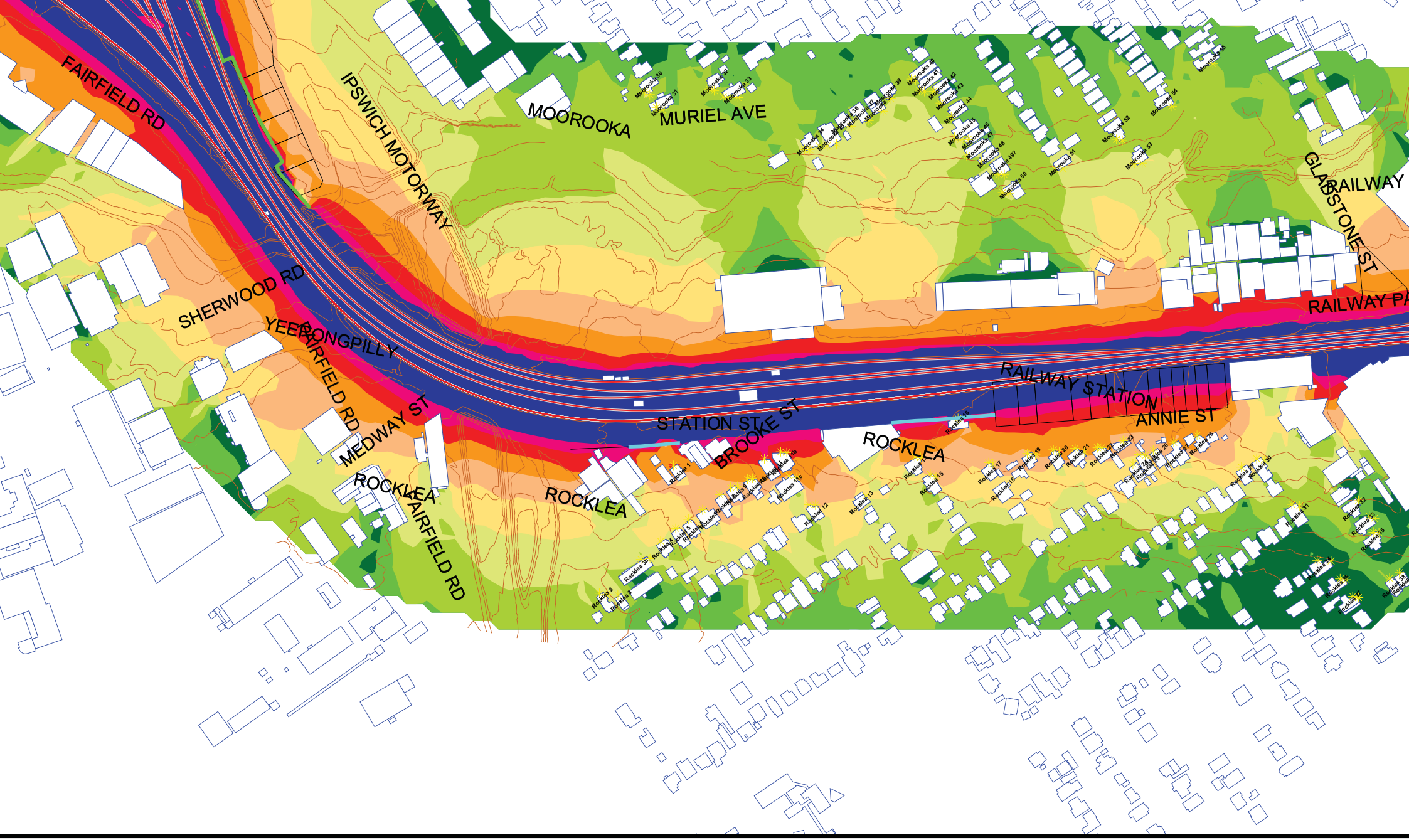
20-2524 Cross River Rail Project

Operational Rail Noise
Predicted Single Event Maximum Rail Noise Levels
With Designed Noise Barriers

Scale 1:4000



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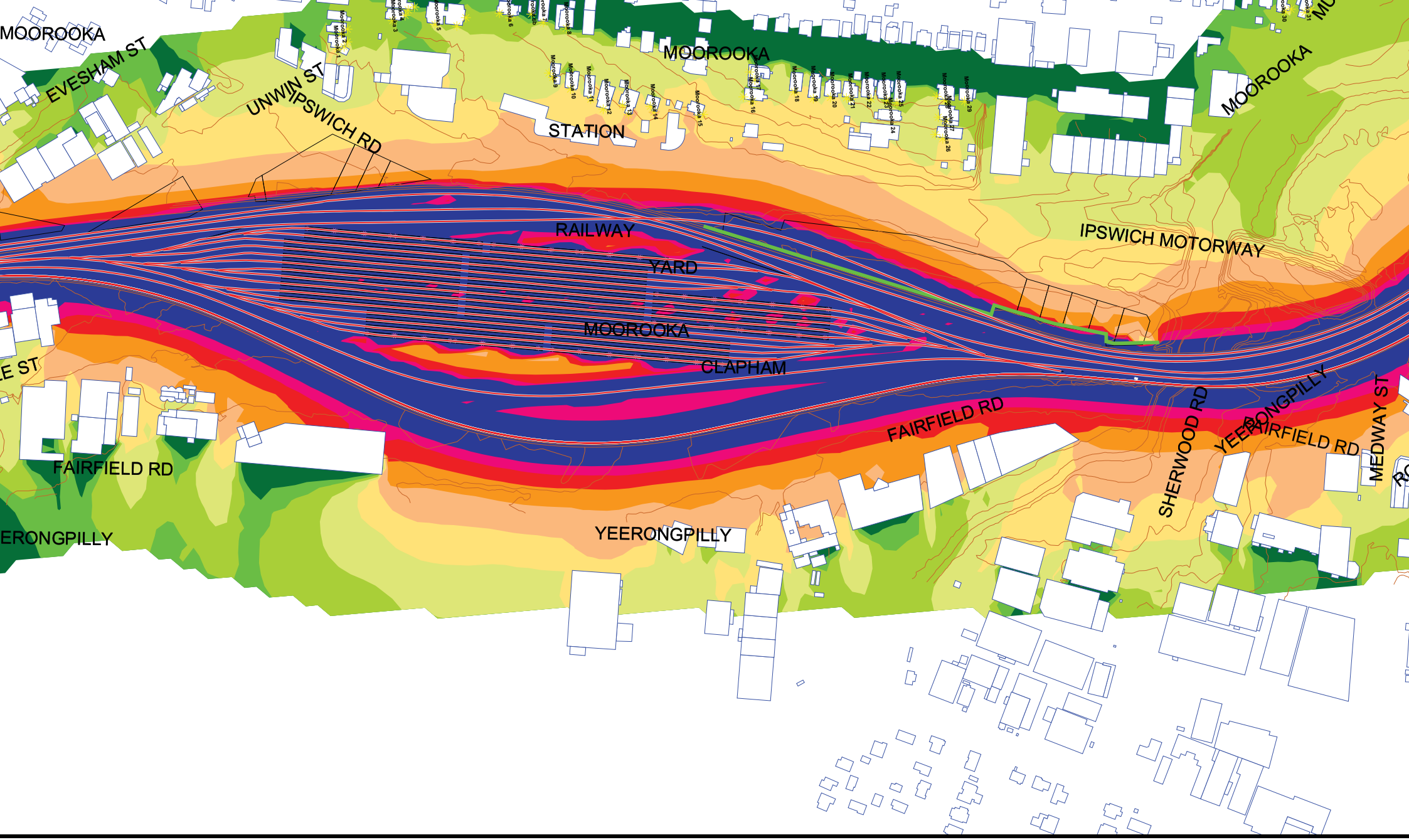
20-2524 Cross River Rail Project

Operational Rail Noise
Predicted Single Event Maximum Rail Noise Levels
With Designed Noise Barriers

Scale 1:4000



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20-2524 Cross River Rail Project

Operational Rail Noise
Predicted Single Event Maximum Rail Noise Levels
With Designed Noise Barriers

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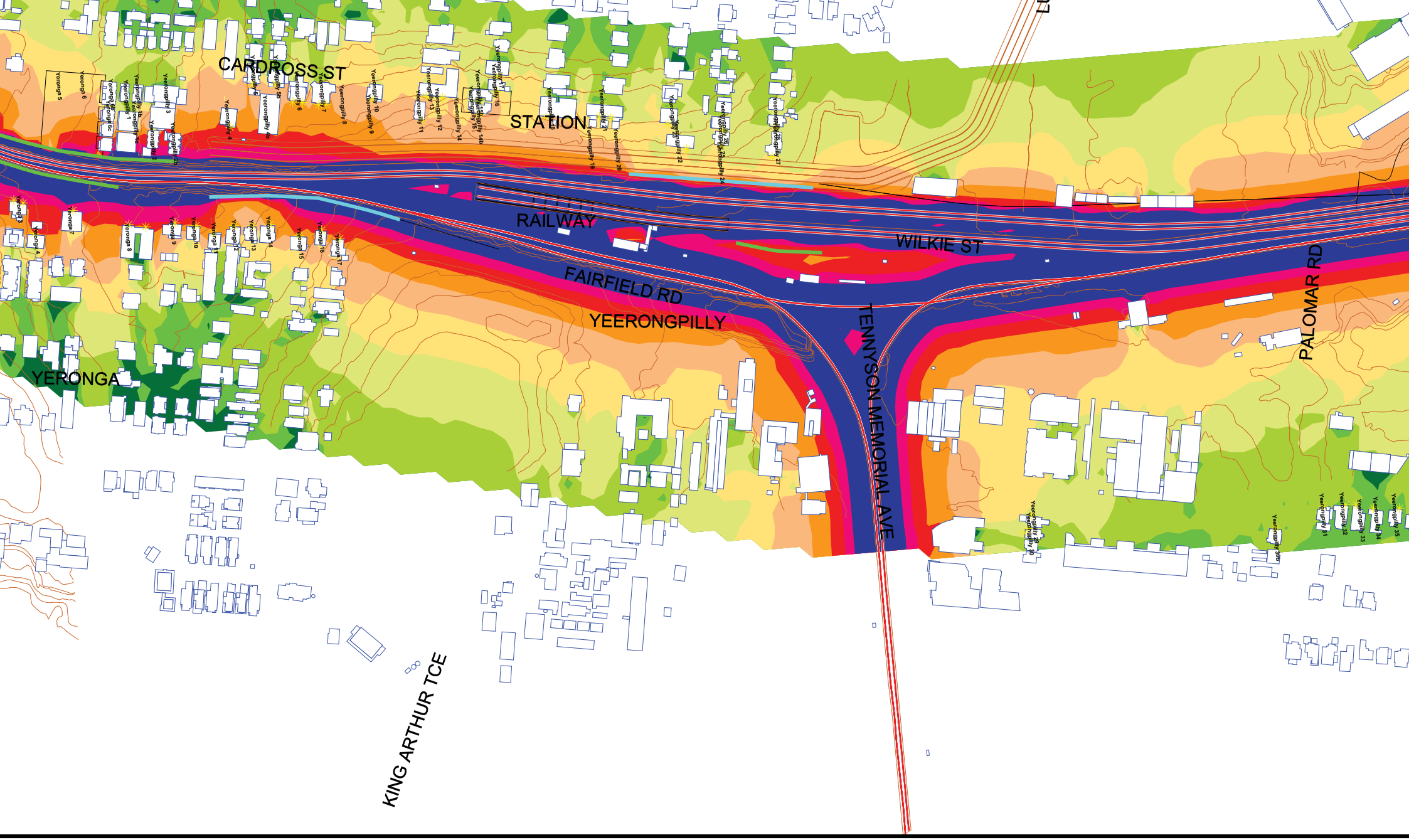

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20-2524 Cross River Rail Project

Operational Rail Noise
Predicted Single Event Maximum Rail Noise Levels
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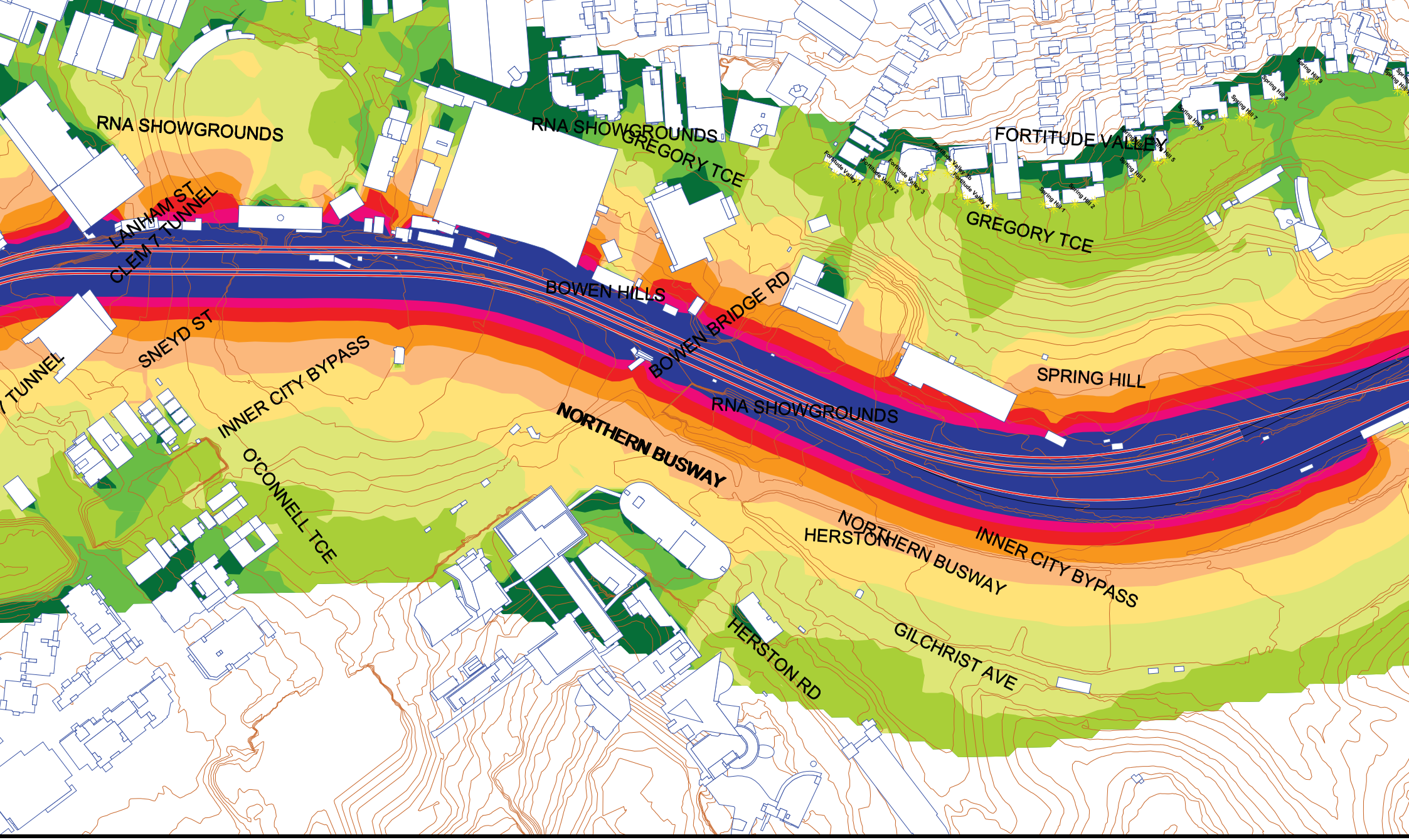

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Signs and symbols

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- Building
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20-2524 Cross River Rail Project

Operational Rail Noise
Predicted Single Event Maximum Rail Noise Levels
With Designed Noise Barriers

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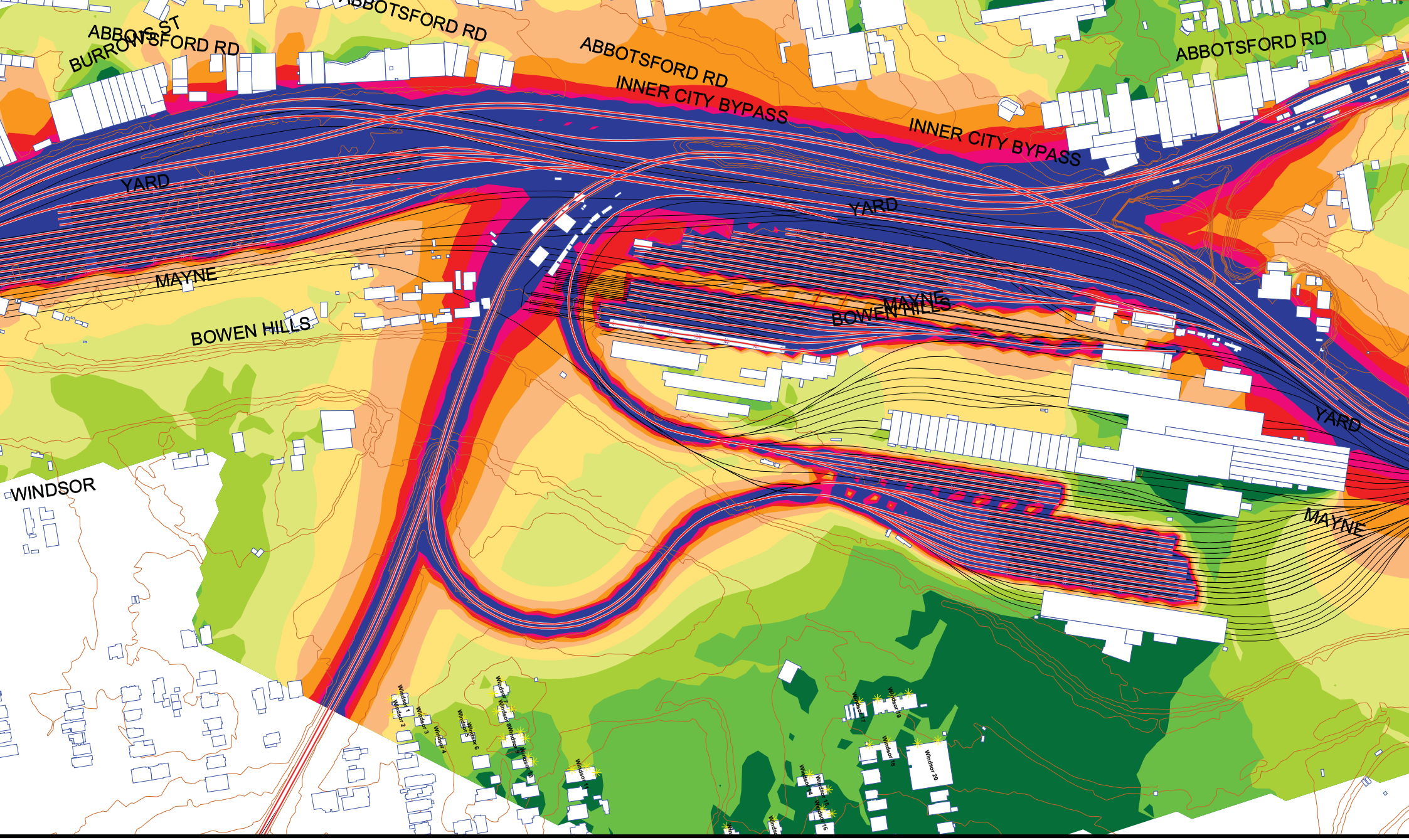

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Signs and symbols

- Area source
- Building
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- Elevation line

20-2524 Cross River Rail Project

Operational Rail Noise
Predicted Single Event Maximum Rail Noise Levels
With Designed Noise Barriers

Scale 1:4000

YEAR 2031 REALIGNED ROAD SECTIONS – NOISE CONTOURS

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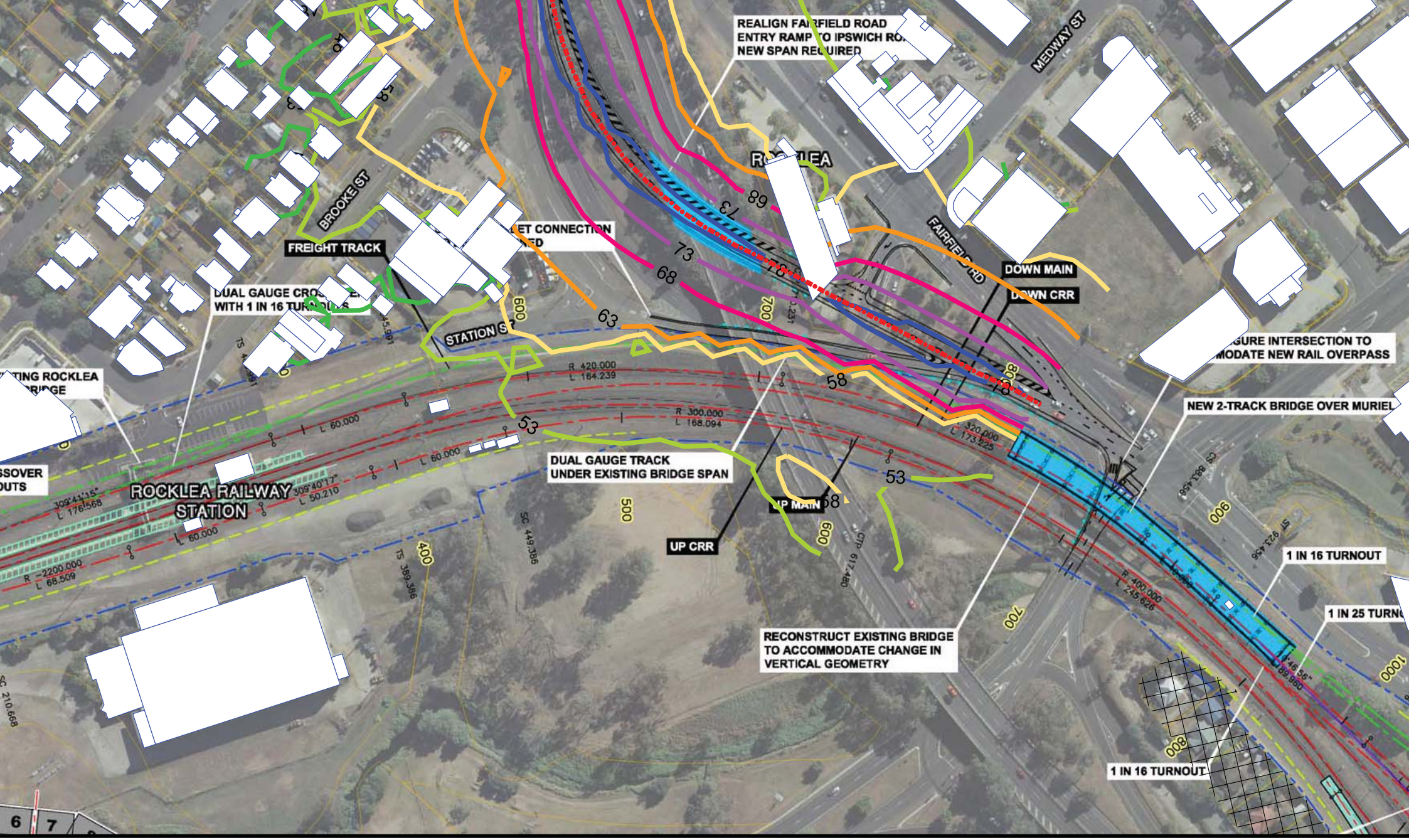
Signs and symbols

- Area source
- Building
- Designed Noise Barrier
- Elevation line

20-2524 Cross River Rail Project

Wilkie Street Operational Road Traffic Noise
Predicted LA10(18hour) Road Traffic Noise Levels
Grid Noise Maps - 2 m Above Ground Level

Scale 1:2000



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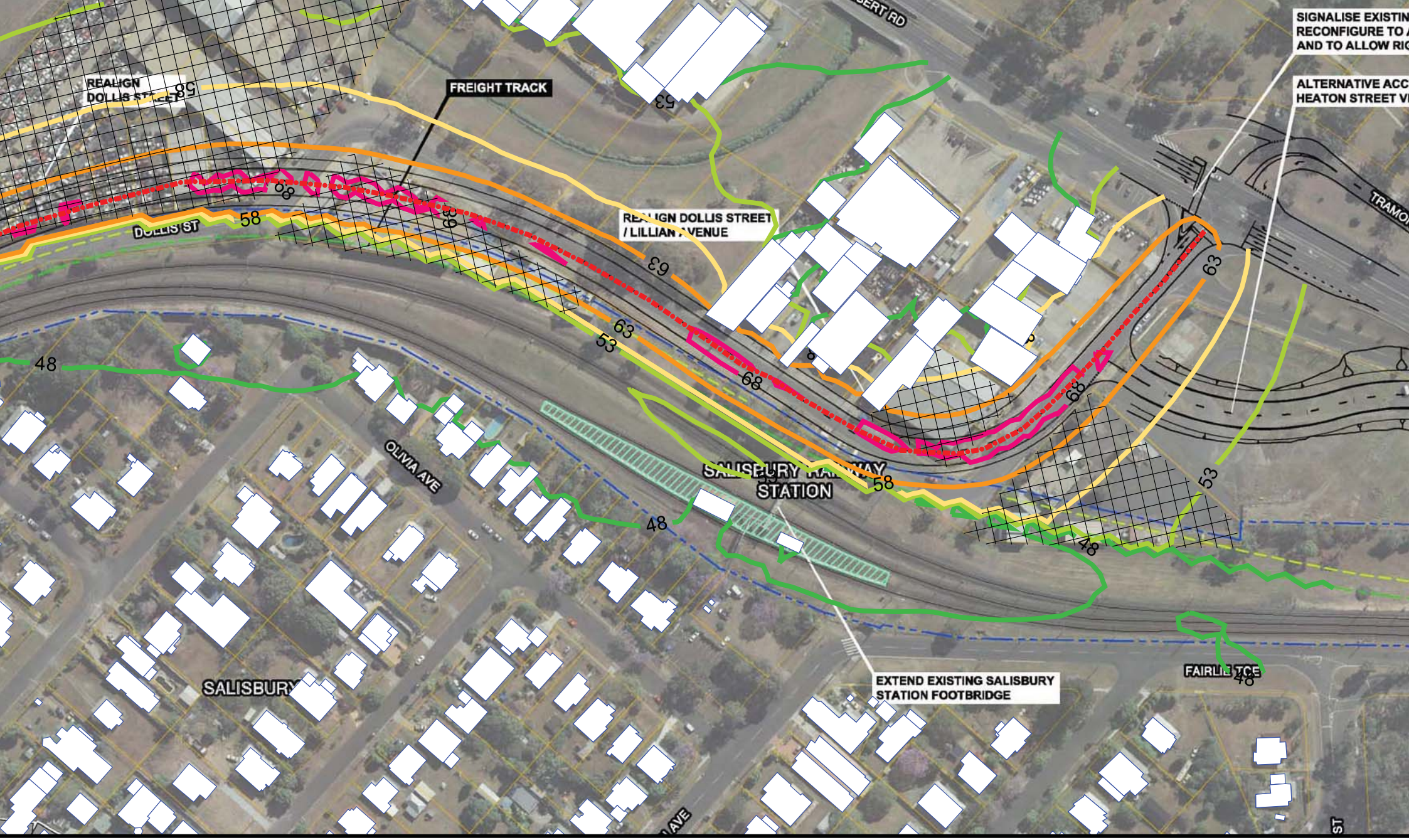
Signs and symbols

- Area source
- Building
- Designed Noise Barrier
- Elevation line

20-2524 Cross River Rail Project

Fairfield Ramp Operational Rail Noise
Predicted LA10(18hour) Traffic Noise Levels
Grid Noise Maps - 2 m Above Ground Level

Scale 1:2049



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Signs and symbols

- Area source
- Building
- Designed Noise Barrier
- Elevation line

20-2524 Cross River Rail Project

Dollis Street Operational Rail Noise
Predicted LA10(18hour) Traffic Noise Levels
Grid Noise Maps - 2 m Above Ground Level

Scale 1:1963