

## **Appendix 4.5 Noise Data**

4.5A Long-Term Measurement Data Summary

4.5B Short-Term Measurement Data Summary

**Appendix 4.5A  
Long-Term Measurement Data Summary**

Date 2001	Time	One-Hour $L_{eq}$ (dBA) at Site	
		LT-1	LT-2
April 17	1:00 p.m.	64	61
	2:00 p.m.	65	61
	3:00 p.m.	67	61
	4:00 p.m.	65	60
	5:00 p.m.	67	64
	6:00 p.m.	67	68
	7:00 p.m.	66	64
	8:00 p.m.	64	57
	9:00 p.m.	62	58
	10:00 p.m.	60	56
	11:00 p.m.	60	54
	April 18	12:00 a.m.	58
1:00 a.m.		54	51
2:00 a.m.		54	50
3:00 a.m.		55	49
4:00 a.m.		56	53
5:00 a.m.		61	55
6:00 a.m.		64	57
7:00 a.m.		65	61
8:00 a.m.		63	59
9:00 a.m.		65	61
10:00 a.m.		64	60
11:00 a.m.		67	61
12:00 p.m.	67	62	
<b>Daytime <math>L_{eq}</math> (dBA)</b>			
	MAX	67	68
	MIN	63	59
<b>Evening <math>L_{eq}</math> (dBA)</b>			
	MAX	66	64
	MIN	62	57
<b>Nighttime <math>L_{eq}</math> (dBA)</b>			
	MAX	64	57
	MIN	54	49
		<b>CNEL (dBA)</b>	
		LT-1	LT-2
		68	64

**Appendix 4.5B**  
**Short-Term Noise Measurement Data Summary**

Measurement Site		Measurement Period			Measurement Results, dBA						
ID	Brief Description	Date 2001	Start time	Duration (mins)	Predominant Noise Sources	L <sub>eq</sub>	L <sub>max</sub>	L <sub>min</sub>	L <sub>90</sub>	L <sub>50</sub>	L <sub>10</sub>
ST-1	Pine/Goss Streets by WEAP car park (Near LT-1)	17-Apr	14:08	6.5	Traffic, BART, distant aircraft	61	71	56	58	60	63
ST-1b			14:15	15		63	74	56	58	61	66
ST-2	Pine Street, adjacent to backyard of 1798 8 <sup>th</sup> Street		14:48	15	Traffic, birds, BART, one distant freight train	63	69	49	61	62	66
ST-3	9 <sup>th</sup> Street, adjacent to backyard of 903 Pine Street		15:12	15	Traffic, BART, distant aircraft	61	69	56	58	60	63
ST-4	Between 1208 and 1220 Wood Street		15:38	30	Traffic (including buses and trucks on Wood Street), industrial, aircraft	65	88	51	53	56	66
ST-5	West side of Raimondi Park		16:18	15	Traffic, aircraft	63	74	59	61	63	65
ST-6	Playground at Raimondi Park, 18 <sup>th</sup> Street		16:40	15	Traffic, truck movement at property opposite park	60	73	56	57	58	61
ST-7	1416 17 <sup>th</sup> Street		17:11	15	Traffic, birds, aircraft	56	73	49	51	54	59
ST-8	407 Martin Luther King Jr. Way	18-Apr	10:07	15	Traffic, BART, birds	71	88	60	66	68	75
ST-9	402 Brush Street		10:48	15	Traffic, BART, distant aircraft	67	78	59	62	64	70
ST-10	1018 Pine Street		11:19	15	Traffic, aircraft, industrial	62	78	51	53	56	64
ST-11a	1741 14th Street		11:58	15	Traffic, birds, distant aircraft, distant sawing	61	76	52	54	57	64
ST-12 <sup>b</sup>	Entrance to 220 Burma Road		12:31	12	Distant traffic, distant aircraft	59	74	54	56	58	61

**Notes:**

- a. Winds increased from 0 to 4 mph to 4 to 8 mph with gusts to 11 mph.  
However, based on field observations, there was no effect on the measurement accuracy.
- b. Winds increased further, to 8 to 12 mph with gusts to 17 mph.  
However, based on field observations, the effect on the measurement was minor.