

Appendix 5.1

Background Noise Survey Record at Area 44, Tuen Mun

Appendix 5.1

Background Noise Survey

1. Location

- 1.1 The noise survey for the existing background noise was carried out at the Area 44, Tuen Mun. The measurement locations are shown in the Figure 1.

2. Date and Time

- 2.1 The noise survey was carried out on 22 Nov. 2000 between 03:28 to 04:43 hours.

3. Personnel

- 3.1 Mr. Gary Yim (Scientific Officer)
Mr. Vincent Pow (Scientific Officer)

4. Instrumentation

- 4.1 Type 1 sound level meter, SLM (Rion NA27) and Calibrator (Rion NC73) were used to perform the noise survey.

5. Weather Conditions

- 5.1 The sky was clear and with light wind during the noise survey period.

6. Survey Procedure

- 6.1 The SLM was placed at a height of 1.2m above ground surface. The SLM was positioned at 1 m away from building façade where applicable.
- 6.2 The SLM was calibrated immediately prior to and after noise measurements.
- 6.3 Noise measurement was conducted for three locations. The $L_{eq(15min)}$, L_{10} and L_{90} were recorded during the survey.
- 6.4 The background noise survey record sheet is attached.

7. Noise Survey Result

- 7.1 The background noise levels recorded during the survey are shown below.

The background noise survey results:

Location	Time Period	Noise Level, dB(A)		
		L_{eq}	L_{10}	L_{90}
BG1	0328 - 0343	62.3	61.6	48.6
BG2	0357 - 0412	57.2	58.8	47.9
BG3	0428 - 0443	56.8	57.0	45.9

Noise Measurement Data Sheet

Sheet 1 of 1

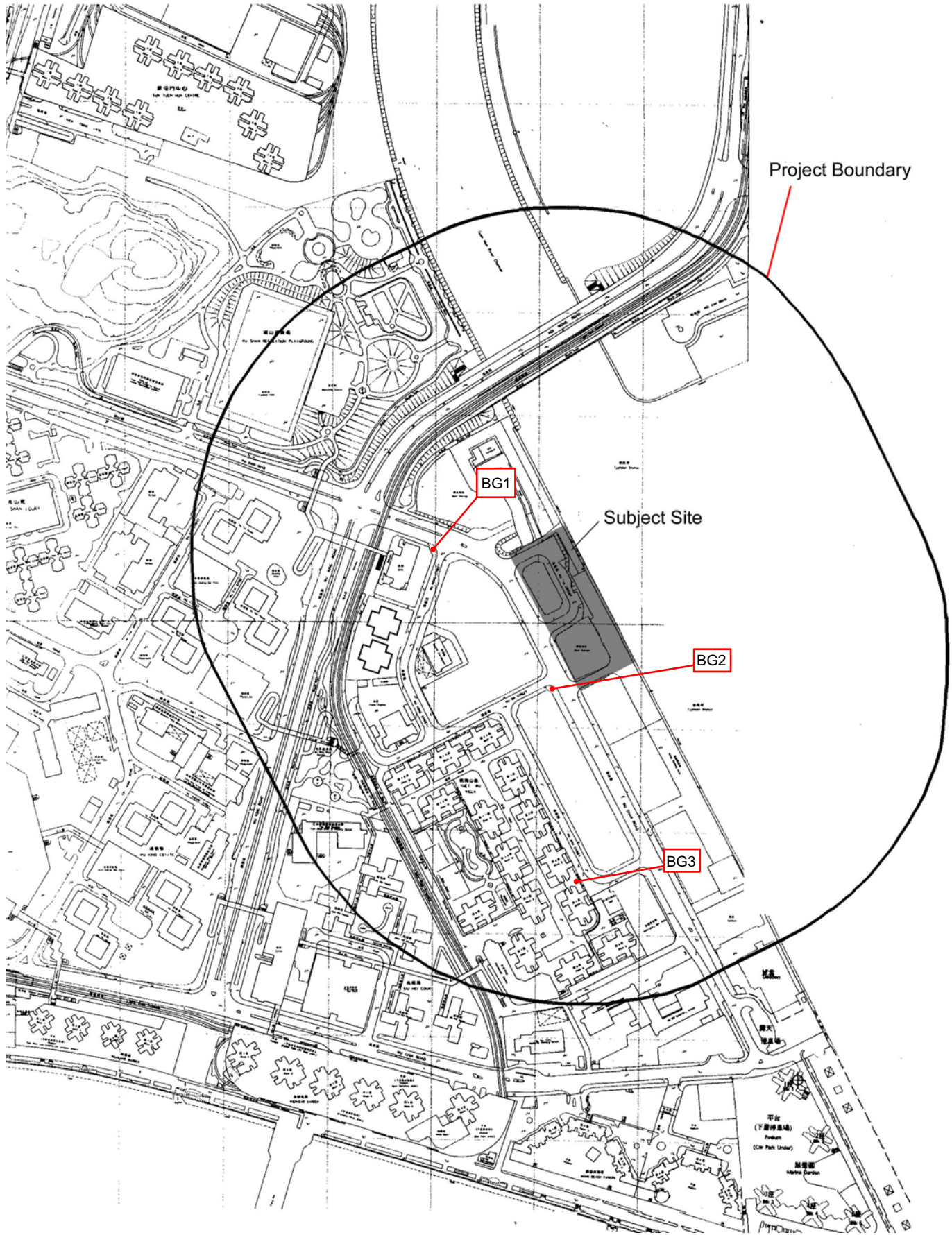
Monitoring Location	Area 44, Tuen Mun	
Weather	Light wind	
Date of Monitoring	22 November 2000	
Personnel	Gary Yim & Vincent Pow	
Time (hh:mm)	0328 - 0443	
Calibrated Level	Before	94.0 dB(A)
	After	94.0 dB(A)
Sound Level Meter (Model, S/N)	RION NA-27 S/N: 01070547	
Calibrator (Model, S/N)	RION NC-73 S/N: 10186489	

Measurements Results					
Location ID	Time Period	Noise Levels (dBA)			Remarks
		L _{eq} ,dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	
BG1	0328 - 0343	62.3	61.6	48.6	
BG2	0357 - 0412	57.2	58.8	47.9	
BG3	0428 - 0443	56.8	57.0	45.9	

Allied Environmental Consultants Ltd
Acousticians & Environmental Engineers

No. 10, 40/F., Jardine House, 1 Connaught Place, Central, Hong Kong.
Tel : (852) 2815 7028 Fax: (852) 2815 5399 e-mail: aecl@netvigator.com





**Proposed Joint User Complex and Wholesale Fish Market
at Area 44 Tuen Mun New Territories**

Locations of Background Noise Survey at Area 44, Tuen Mun

Figure No. 1	Page No.	
Scale 1:5000	Date 05/02	