
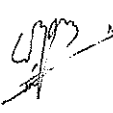



PROJECT No.: TCS/00408/08

**DSD CONTRACT NO. DC/2007/17
 DRAINAGE IMPROVEMENT WORKS IN CHEUNG PO,
 MA ON KONG, YUEN KONG SAN TSUEN AND TIN SAM
 TSUEN OF YUEN LONG DISTRICT AND SEWERAGE AT
 TSENG TAU CHUNG TSUEN, TUEN MUN**

**BASELINE MONITORING REPORT
 (KT13)
 PREPARED FOR
 CHINA ROAD & BRIDGE CORPORATION**

Quality Index

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0	26 Apr 08	Ben Tam	FN Wong	T.W. Tam	First submission
1	19 May 08	Ben Tam	FN Wong	T.W. Tam	Revised against IEC comments
2	4 June 08	Ben Tam	FN Wong	T.W. Tam	Revised against IEC comments
3	15 June 08	Ben Tam	FN. Wong	T.W. Tam	Revised against EPD comments

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Executive Summary

- ES.01 CRBC has been awarded the DC/2007/17 Project for Drainage Improvement Works in Cheung Po, Ma On Kong, Yuen Kong San Tsuen and Tin Sam Tsuen of Yuen Long District and Sewerage at Tseng Tau Chung Tsuen, Tuen Mun. The contract period of the Project is about 36 months
- ES.02 For ease of reporting, the baseline monitoring report for the DC/2007/17 Project will be split to four separate parts as follows:
- (a) KT13 (under Environmental Permit No. EP263/2007);
 - (b) KT14A (under Environmental Permit No. EP231/2005A);
 - (c) KT12 (the remaining works without Environmental Permit); and
 - (d) KT14B and KT14C (the remaining works without Environmental Permit)
- ES.04 This baseline report presents the monitoring results of air quality, noise, stream water quality and ecology for KT13. The baseline EM&A monitoring was carried out during 18 March to 24 April 2008, including the ecological baseline monitoring of the habitat update conducted on 18, 19, 20 and 21 April 2008 and the fauna survey performed between 10 May 2008 and 20 May 2008. The ecological baseline monitoring report will be submitted separately as a stand-alone document upon completion.
- ES.06 The Action and Limit levels of water quality parameters except DO are established based on the upstream control criteria set out in the EM&A manual. They are summarized as follows:

Action and Limit Levels for Air Quality

Monitoring Location	Action Level ($\mu\text{g}/\text{m}^3$)		Limit Level ($\mu\text{g}/\text{m}^3$)	
	1-Hr	24-Hr	1-Hr	24-Hr
ASR14 (A1(a))	>309	>144	> 500	> 260
ASR15 (A2)	>307	>141	> 500	> 260

Action and Limit Levels for Noise

Monitoring Location	Action Level in dB(A)	Limit Level in dB(A)
	0700-1900 hrs on normal weekdays	
NSR13b (N1(a)) NSR13d (N2(a)) NSR13f (N3)	When one or more documented complaints are received	75 dB(A) of Leq(30min) during normal hours from 0700 to 1900 hours on normal weekdays, reduced to 70 dB(A) of Leq(30min) for schools and 65 dB(A) during school examination periods

Action and Limit Levels for Water Quality Monitoring

Monitoring Location	DO (mg/L)		Turbidity (NTU)		pH		SS (mg/L)		Ammonia ($\mu\text{g}/\text{L}$)		Zinc ($\mu\text{g}/\text{L}$)	
	Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Level
W1 (Upstream) Control Station	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W2(Downstream) Impact Station	1.04	1.00	36.81	37.16	8.65	8.69	79.0	86.2	16.85	16.89	234.95	266.19
W3(a) (Upstream) Control Station	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W4 (Upstream) Control Station	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W5 (Upstream) Control Station	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W6(Downstream) Impact Station	0.93	0.91	27.88	30.02	8.7	8.7	73.40	78.68	51.62	54.56	191.90	201.58

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1. INTRODUCTION

China Road & Bridge Corporation (hereinafter 'CRBC') has been awarded since 25 January 2008 by Drainage Services Department (hereinafter 'DSD') of the Government of the Hong Kong Special Administrative Region (hereinafter 'HKSAR') the DSD Contract No. DC/2007/17 Drainage Improvement Works in Cheung Po, Ma On Kong, Yuen Kong San Tsuen and Tin Sam Tsuen of Yuen Long District and Sewerage at Tseng Tau Chung Tsuen, Tuen Mun (hereinafter "the Project"). The works to be executed under the Project are located in Kam Tin, Pat Heung and Tuen Mun, New Territories as shown in the location plan in **Appendix A**. The contract period is about 36 months.

The Project forms part of the Yuen Long, Kam Tin, Ngau Tam Mei and Tin Shui Wai Drainage Improvement Project to relieve the flooding problems in New Territories North and the Sewerage Improvement Works in Tuen Mun for improving the sewerage problems in Tseng Tau Chung Tsuen. The Project involves construction of five drainage channels namely KT12, KT13 (under Environmental Permit No. EP263/2007), KT14A (under Environmental Permit No. EP231/2005A), KT14B and KT14C in Kam Tin and Pat Heung and the sewerage works at Tseng Tau Chung Tsuen in Tuen Mun. A site-map showing the site boundary is also shown in **Appendix A**.

Major construction activities of the Project include:

- construction of the five drainage channels in Kam Tin and Pat Heung and the sewerage works in Tuen Mun;
- construction of about 1.8 km of secondary drainage channels and about 0.5 km of storm-water box culverts;
- construction of DSD maintenance access;
- construction of public access road with footpath;
- provisioning and re-provisioning of vehicular/ pedestrian crossings;
- bank raising of existing channel near Pat Heung Road;
- water main laying works;
- associated ancillary works;
- re-provision of Ma On Kong Playground;
- construction of approximately 3.8 km gravity sewers of diameter ranging from 150mm to 225mm and associated manholes at Tseng Tau Chung Tsuen in Tuen Mun;
- landscaping works; and
- all other works as required under the Contract.

In order to effectively implement the environmental protection measures stipulated in the Project Profile (hereinafter 'the PP'), Environmental Study Report (hereinafter "the ESR"), Environmental Impact Assessment (herein after 'EIA'), Environmental Permits No. EP263/2007 and EP231/2005A, three corresponding Environmental Monitoring and Audit Manuals (hereinafter 'the EM&A Manuals') have been prepared to guide the setup of the EM&A program of the Project.

Action-United Environmental Services and Consulting (AUES) has been commissioned by CRBC as the environmental team (hereinafter 'the ET') to implement the environmental monitoring and auditing (hereinafter 'the EM&A') program of the Project. As environmental monitoring and audit is not required for the sewerage works at Tseng Tau Chung Tsuen in Tuen Mun, it will not be included in the EM&A reports of the Project, which have been agreed to be split to three separate parts as follows:

- (a) KT13 (under Environmental Permit No. EP263/2007);
- (b) KT14A (under Environmental Permit No. EP231/2005A); and
- (c) KT12, KT14B and KT14C (the remaining works without Environmental Permit.)

The EM&A requirements for the Project are summarized below:

- (a) KT12 Channel – the environmental aspects monitoring are included Construction Noise, Air Quality, Water Quality and Ecology
- (b) KT13 Channel – the environmental aspects monitoring are included Construction Noise, Air Quality, water Quality and Ecology

- (c) KT14A Channel – the environmental aspects monitoring are included Construction Noise, Air Quality and Water Quality
- (d) KT14B and KT14C - the environmental aspects monitoring are included Construction Noise, Air Quality, water Quality and Ecology

This Baseline Monitoring Report presents the monitoring results of air quality, noise, stream water quality and ecology for KT13. Details baseline monitoring program, project background, monitoring methodology, only results, and the established Action/Limit (A/L) levels for air, noise, water quality and ecology will be presented. Recommendations will be given after discussion.

1.1 REPORT STRUCTURE

The baseline monitoring report is structured into the following sections:

Section 1	Introduction
Section 2	Summary of Baseline EM&A Requirements
Section 3	Baseline Monitoring Methodology
Section 4	Baseline Monitoring Results
Section 5	Conclusions

2. SUMMARY OF BASELINE EM&A REQUIREMENTS

Environmental monitoring and audit for air quality, construction noise, stream water quality and ecology have been recommended in the EM&A Manual for KT13.

2.1 MONITORING PARAMETERS

The monitoring parameters are summarized in **Table 2-1**.

Table 2-1 Summary of Monitoring Parameters

Environmental Aspect	Parameters
Air Quality	<ul style="list-style-type: none"> 1-Hour Total Suspended Particulate (hereinafter '1-Hr TSP'); and 24-Hour Total Suspended Particulate (hereinafter '24-Hr TSP').
Construction Noise	<ul style="list-style-type: none"> A-weighted equivalent continuous sound pressure level (30min) (hereinafter 'Leq(30min)' during the normal working hours; and A-weighted equivalent continuous sound pressure level (5min) (hereinafter 'Leq(5min)' for construction work during the restricted hours.
Water Quality	<ul style="list-style-type: none"> In Situ Measurement temperature, Dissolved Oxygen (hereinafter 'DO'), pH & Turbidity Laboratory Analysis Suspended Solids (hereinafter 'SS'), Ammonia Nitrogen (hereinafter 'NH₃-N') and Zinc (hereinafter 'Zn')
Ecology	Vegetation, All bird species of wetland include Ho Pui Egret, Ma On Kong Egret and Flight Line Survey

2.2 MONITORING LOCATIONS

2.2.1 MONITORING LOCATIONS PROPOSED IN THE EM&A MANUALS

Monitoring locations have been identified in the EM&A Manuals. They are shown in **Appendix B** and summarized in **Table 2-2**.

Table 2-2 Monitoring Locations Proposed in the EM&A Manuals

Aspect	Location ID	Location
Air Quality	ASR14 (A1)	Ma On Kong Closest to proposed works under Section B
	ASR15 (A2)	Ma On Kong Closest to proposed work for bypass culvert
Construction Noise	NSR13b (N1)	Ma On Kong Closest to proposed work under Section A
	NSR13d (N2)	Ma On Kong Closest to proposed works under Section B
	NSR13f (N3)	Ma On Kong Closest to proposed work for bypass culvert
Water Quality	W1	Upstream Ma On Kong
	W2	Downstream Ma On Kong
	W3	Upstream Ma On Kong
	W4	Upstream Ma On Kong
	W5	Upstream Ma On Kong
	W6	Downstream Ma On Kong
Ecology	KT13	Ma On Kong Refer to EM&A Manual (KT13) Figure 6.1

2.2.2 THE RECOMMENDED MONITORING LOCATIONS FOR THE EM&A PROGRAM

In order to identify and seek access for the monitoring locations designated in EM&A Manuals, site inspection has been conducted by the ET, IEC, ER and CRBC. Most of the monitoring locations have been identified and the associated accesses have also been granted except the air monitoring location ASR14(A1), noise monitoring locations NSR13b(N1) and NSR13d(N2), and water sampling location W3.

The monitoring location ASR14 (A1) and NSR13d (N2) are relocated to No.68 Ho Pui Village as the original location has permanently been abandoned and no access can be acquired in the vicinity of ASR14 (A1) and NSR13d (N2). In addition, Ho Pui Village is considered to be one of the most important sensitive receivers near KT-13. They have not been covered under monitoring program of the Project. Therefore, the most fronting house, No. 68 Ho Pui Village, is recommended as the replacement. Noise monitoring location NSR13b(N1) has also permanently been abandoned. It is recommended to be relocated to No.168-169 Kam Ho Road, Ma On Kong Village. The water sampling location W3 is relocated to 55m down stream for safety reason. Having been agreed among the ER, IEC, ET and EPD, details of the monitoring locations are summarized in **Table 2-3** and shown in **Appendix B**. For ease of reference, '(a)' is denoted for the replacement location IDs to differentiate from the EM&A Manuals' locations.

Table 2-3 Details of Monitoring Locations for EM&A Program

Env. Aspect	Monitoring Location ID	Identified Address / Co-ordinates
Air	ASR14 (A1(a))	No.68 Ho Pui Village
	ASR15 (A2)	No.1 Ma On Kong Village
Noise	NSR13b N1(a)	168-169 Kam Ho Road, Ma On Kong Village,
	NSR13d N2(a)	No. 68 Ho Pui Village,
	NSR13f (N3)	No.1 Ma On Kong Village
Water	W1	E824539 / N830283
	W2	E824693 / N830258
	W3(a)	E824833 / N830374
	W4	E824936 / N830618
	W5	E825008 / N830812
	W6	E825100 / N830987
Ecology	KT13	To be follow
		EM&A Manual (KT13) Figure 6.1

2.3 MONITORING FREQUENCY

The baseline monitoring was conducted prior to commencement of the construction activities to establish the ambient environmental conditions for the environmental performance criteria i.e. Action and Limit levels for the Event and Action Plan of the Project. The baseline monitoring frequency and duration specified in the EM&A Manual are summarized below.

Air Quality

Frequency and requirements of the baseline air quality monitoring is as follows:

Parameters: 24-Hr TSP and 1-Hr TSP.

Frequency: Daily for 24-Hr TSP and three times a day for 1-Hr TSP

Duration: 14 Consecutive Days

Noise

Frequency and requirements of the baseline noise monitoring is as follows:

Parameters: Leq 5 min, L10 and L90 as reference.

Frequency: Continuously at interval 5 minutes:

Duration: One Weeks

Water Quality

Frequency and requirements of the baseline water quality monitoring is as follows:

Parameters: Duplicate in-situ measurements of water depth, temperature, DO, pH & turbidity; and laboratory testing of SS, NH₃-N and Zn

Depths: All measurements shall be carried out at three water depths, namely, 1 m below water surface, mid-water depth, and 1 m above river bed. If the water depth is less than 6 m, the mid-depth measurement is omitted. If the depth is less than 3 m, only the mid-depth measurement needs to be taken.

Frequency: 3 days per week.

Duration: Four Weeks

Ecology

Ecology Monitoring of Channel **KT13** are required according to the EM&A Manual.

Parameters: (i) Updating the habitat maps to show current conditions throughout the monitoring area as shown in the EM&A Manual figure 6.1 to identification of any changes to the Assessment areas since the ecological surveys during EIA survey which can be predicted to possibly or probably have had an impact on faunal numbers and diversity; (ii) establish vegetation photographic records within the monitoring area. The photographic record should be sufficiently detailed to allow identification of individual trees or the extent of tree clumps.

Frequency: One off survey for updating the habitat maps.

Duration: Immediately before commencement of the construction works in KT13.

2.4 MONITORING EQUIPMENT

The monitoring equipments for air quality, construction noise, stream water quality and ecology are summarized below.

2.4.1 AIR QUALITY

A list of air quality monitoring equipments is shown in **Table 2-4**.

Table 2-4 Air Quality Monitoring Equipment

Equipment	Model
24-Hr TSP	
High Volume Air Sampler (herein after 'HVS')	Grasby Anderson GMWS 2310 HVS
Calibration Kit	TISCH Model TE-5028A
1-Hr TSP	
Portable Dust Meter	TSI DustTrak Model 8520 / Sibata LD-3 Laser Dust Meter

2.4.2 CONSTRUCTION NOISE

A list of construction noise monitoring equipments is shown in **Table 2-5**.

Table 2-5 Construction Noise Monitoring Equipment

Equipment	Model
Integrating Sound Level Meter	B&K Type 2236 & 2238
Calibrator	B&K Type 4231
Portable Wind Speed Indicator	Testo Anemometer

2.4.3 WATER QUALITY

Monitoring Equipments for water quality are shown in **Table 2-6**.

Table 2-6 Water Quality Monitoring Equipment

Equipment	Model / Description
In-situ Measurement	
Water Depth Detector	Eagle Sonar
Water Sampler	Teflon bailer / bucket
Thermometer & DO meter	YSI 550A DO Meter
pH meter	Hanna HI 98128
Turbidimeter	Hach 2100p
Sample Container	High density polythene bottles (provided by laboratory)
Storage Container	'Willow' 33-litter plastic cool box
Laboratory Analysis	
Suspended Solids	HOKLAS accredited Laboratory
Ammonia Nitrogen	
Zinc	

2.4.4 ECOLOGY

The following equipment will be used for monitoring:-

- General: field note books and survey forms, digital camera;
- Binoculars (7-10x and 8 x 30 magnification); and
- 50 cm quadrat and/or 50cm rule.

2.4.5 OTHER

Cultural Heritage, Landscape and Visual impact monitoring are also required for KT13 as stipulated in EM&A manual [382047/E/EMA/Issue5] **Section 7** and **Section 8** accordingly.

2.5 DERIVATION OF ACTION/LIMIT (A/L) LEVELS

A summary of derivation of Action/Limit (A/L) Levels for air quality, construction noise, stream water quality, ecology and landscape and visual impact are shown in **Table 2-7, 2-8, 2-9, 2-10** and **2.11** respectively.

Table 2-7 Derivation of Action and Limit Levels for Air Quality

Parameter	Action Level in $\mu\text{g}/\text{m}^3$	Limit Level in $\mu\text{g}/\text{m}^3$
1-Hr TSP	For baseline level $\leq 384 \mu\text{g}/\text{m}^3$, Action level = (Baseline*1.3 + Limit level)/2; For baseline level $> 384 \mu\text{g}/\text{m}^3$, Action level = Limit level.	> 500
24-Hr TSP	For baseline level $\leq 200 \mu\text{g}/\text{m}^3$, Action level = (Baseline*1.3 + Limit level)/2; For baseline level $> 200 \mu\text{g}/\text{m}^3$, Action level = Limit level.	> 260

Table 2-8 Derivation of Action and Limit Levels for Construction Noise

Time Period	Action Level in dB(A)	Limit Level in dB(A)
0700-1900 hrs on normal weekdays	When one documented complaint is received	> 75* dB(A)

Note: * Reduces to 70 dB(A) for schools and 65 dB(A) during the school examination periods.

Table 2-9 Derivation of Action and Limit Levels for Water Quality

Parameter	Action Level	Limit Level
DO in mg/L (mid-depth)	5%-ile of baseline data	4 mg/L or 1%-ile of baseline data
SS in mg/L (mid-depth)	95%-ile of baseline data or 120% of the results of upstream control station's SS of the same day	99%-ile of baseline data or 130% of the results of upstream control station's SS of the same day
Turbidity in NTU, pH, ammonia and Zinc (depth-averaged)	95%-ile of baseline data or 120% of the results of upstream control station's turbidity, pH, ammonia and Zinc of the same day	99%-ile of baseline data or 130% of the results of upstream control station's turbidity, pH, ammonia and Zinc of the same day

Note: - For DO, non-compliance of water quality limits occurs when monitoring result is lower than the limits.
- For SS, turbidity, pH, ammonia and Zinc, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.

Table 2-10 Derivation of Action and Limit Levels for Ecology in Construction Phase

Parameter	Action Level	Limit Level
Fauna: decrease in number of breeding egrets since previous year	>20%	>40%

Table 2-11 Derivation of Action and Limit Levels for Cultural Heritage Resource in Construction Phase

Parameter	Action Level	Limit Level
Condition Survey of the Grave	When damage or structural instability is first detected	Signs of deterioration and Structural instability continues on subsequent visits after action level is triggered

Table 2-12 Derivation of Action Level for Landscape and Visual Impact in Construction Phase

Parameter	Action Level	Limit Level
Any trespass by the contractor outside the limit of the works, including any damage to existing trees, woodland and vegetation	<ul style="list-style-type: none"> • Non-conformity on one occasion • Repeated non-conformity 	NA

3. BASELINE MONITORING METHDOLOGY

3.1 MONITORING LOCATIONS

The baseline monitoring locations of air quality, noise, water quality and ecology are detailed in **Section 2 Table 2-3** and shown in **Appendix B**.

3.2 MONITORING FREQUENCY AND PERIOD

1-Hr TSP Monitoring

The baseline 1-Hr TSP monitoring was conducted at the designated stations A1(a) and A2 three times a day for 14 days during the baseline monitoring period from 1 to 14 April 2008.

24-Hr TSP Monitoring

The baseline 24-Hr TSP monitoring was conducted at the designated station A1(a) and A2 daily for 14 days during the baseline monitoring period from 1 to 14 April 2008.

Noise Monitoring

The baseline noise monitoring was undertaken at the designated stations KT13b(N1(a)), KT13d(N2(a)) and KT13f(N3) daily for 7 days during the baseline period from 30 April 2008 to 10 May 2008. Continuous measurements of Leq 5min were taken with supplementary L10 and L90 data collected for reference.

Water Quality Monitoring

The baseline water quality monitoring was undertaken at the designated locations W1, W2, W3(a), W4, W5 and W6, 3 days per week for four weeks from 18 March 2008 to 12 April 2008. Temperature, Dissolved Oxygen (DO), Suspended Solids (SS), pH, ammonia, turbidity and zinc were measured.

Ecology Monitoring – Habitat Map Updating

A walk-through survey to update habitat maps was conducted on 18 to 21 April 2008 upon agreement of AFCD on the methodology. Fauna survey was also performed between 16 and 18 May 2008, covering daytime and nighttime.

3.3 MONITORING EQUIPMENT

The monitoring equipment used by the ET in the baseline program are presented in **Table 2-4, 2-5, 2-6** and **Section 2.4.4** of this report.

Calibration

The calibration certificates of all monitoring equipments used during the baseline monitoring program are attached in **Appendix C** and the calibration requirement are described in below:

Air Quality

Initial calibration of the HVS was performed upon installation and thereafter at a six month intervals in accordance with the manufacturer's instruction using the NIST-certified standard calibrator (Tisch Calibration Kit Model TE-5028A). The calibration data are properly documented and the associated records are maintained by the ET for future reference.

The 1-Hr TSP meter was calibrated by the supplier prior to purchase. Zero response of the equipment was checked before and after each monitoring event.

Noise

The sound level meters were calibrated using an acoustic calibrator prior to and after measurements. The meters are regularly calibrated in accordance with the manufacturer's instructions. Prior to and following each noise measurement, the accuracy of the sound level meter was checked using an acoustic calibrator generating a known sound pressure level at a known frequency. Measurements were considered valid only if the calibration levels before and after the noise measurement agree to within 1.0 dB.

Water Quality

In-situ monitoring instruments are calibrated and certified by a laboratory accredited under HOKLAS or any other international accreditation scheme at 3 monthly intervals.

3.4 MONITORING PROCEDURE

The monitoring methodology and procedure during the baseline monitoring were presented as below:

Air Quality

1 Hour TSP

Operation of the 1-Hr TSP meter was follow manufacturer's Operation and Service Manual. The 1-Hr TSP monitor, a TSI Dust Track Aerosol Monitor Model 8520, or Sibata LD-3 Laser Dust Meter is a portable, battery-operated laser photometer. The 1-hr TSP meter provides a real time 1-hr TSP measurement based on 90° light scattering. The 1-hr TSP monitor consists of the following:

- a. A pump to draw sample aerosol through the optic chamber where TSP is measured;
- b. A sheath air system to isolate the aerosol in the chamber to keep the optics clean for maximum reliability; and
- c. A built-in data logger compatible with Windows based program to facilitate data collection, analysis and reporting.

The 1-Hr TSP meter using was within the valid period, calibrated by the manufacturer prior to purchasing. Zero response of the instrument was checked before and after each monitoring event.

24 Hour TSP

The equipment used for 24-Hr TSP measurement is the HVS brand named Thermo Andersen, Model GS2310 TSP high volume air sampling system, which complied with EPA Code of Federal Regulation, Appendix B to Part 50. The HVS consists of the following:

- a. An anodized aluminum shelter;
- b. A 8"x10" stainless steel filter holder;
- c. A blower motor assembly;
- d. A continuous flow/pressure recorder;
- e. A motor speed-voltage control/elapsed time indicator;
- f. A 6-day mechanical timer, and
- g. A power supply of 220v/50 Hz

The HVS was calibrated prior the baseline monitoring to following the manufacturer's instruction using the NIST-certified standard calibrator brand named Tisch Calibration Kit Model TE-5025A. Regular HVS operation and maintenance as well as filter paper installation and collection was performed by the ET's competent technicians, whereas laboratory analyses were conducted in a local HOKLAS accredited laboratory, ALS Technichem (HK) Pty Ltd (hereinafter 'ALS'). The analyzed 24-hr TSP filters were kept in ALS for six months prior to disposal.

Meteorological Information

All relevant data including temperature, pressure, weather conditions, elapsed-time meter reading for the start and stop of the sampler, identification and weight of the filter paper were recorded in detail.

The meteorological information was sourced from the Hong Kong Observatory (Lau Fan Shau Station). The data included wind direction, wind speed, humidity, rainfall, air pressure and temperature etc that in general is required for evaluating the air quality for air quality monitoring.

Noise

Sound level meters listed above comply with the International Electrotechnical Commission Publications 651: 1979 (Type 1) and 804: 1985 (Type 1) specifications, as recommended in Technical Memorandum (TM) issued under the Noise Control Ordinance (NCO).

All noise measurements were performed with the meter set to FAST response and on the A-weighted equivalent continuous sound pressure level (Leq). Leq(5 min) measurements were used as the monitoring parameter for the time period throughout the 7 days baseline monitoring period continuously.

The sound level meter was set higher than 1.2m above the existing ground. The microphone was pointed to the site with the microphone facing perpendicular to the line of sight. The windshield was fitted for all measurements. The assessment point at monitoring locations N1(a), N2(a) and N3 were normally set close to the exterior of the building.

Immediately prior to and following each noise measurement the accuracy of the sound level meter was checked using an acoustic calibrator generating a known sound pressure level at a known frequency (94dBA). Measurements were accepted as valid due to the calibration levels from before and after the noise measurement agree to within 1.0dB.

Water Quality

Water quality monitoring was conducted at the middle of the water columns (Mid-Depth) due to water columns at the sampling locations (W1, W2, W3(a), W4, W5 and W6) are less than 3.0 meters during monitoring.

Water Depth

Water depths were determined prior to measurement and sampling. A steel ruler with a suitable weight was dropped to the bottom of the water column to measure the water depth which was actually well below 1 meter.

Dissolved Oxygen (DO)

A portable YSI 550A DO Meter was used for in-situ DO measurement. The DO meter is capable of measuring DO in the range of 0 - 20 mg/L and 0 - 200 % saturation and checked against water saturated ambient air on each monitoring day prior to monitoring.

Although the DO Meter automatically compensates ambient water temperature to a standard temperature of 20⁰C for ease of comparison of the data under the changing reality, the temperature readings of the DO Meter were recorded.

pH

A portable Hanna pH Meter was used for in-situ pH measurement. The pH meter is capable of measuring pH in the range of 0 – 14 and readable to 0.1. Standard buffer solutions of pH 7 and pH 10 are used for calibration of the instrument before and after measurement.

Turbidity

A portable Hach 2100p turbidity Meter was used for in-situ turbidity measurement. The turbidity meter is capable of measuring turbidity in the range of 0 – 1000 NTU.

Suspended Solids (SS)

SS was determined by ALS using HOKLAS accredited analytical methods namely ALS Method EA-025. The limit of report is 2mg/L

Ammonia Nitrogen(NH₃-N)

NH₃-N was examined by ALS using HOKLAS accredited analytical methods namely ALS Method EK-055A. The limit of report is 0.01mg/L.

Zinc(Zn)

Zn was analyzed by ALS using HOKLAS accredited analytical methods namely ALS Method EG-020. The limit of report is 10 µg/L.

Water Sampler

Water samples were collected by the ET using a plastic sampler to avoid metal contamination. Due to water depth for both sampling locations are lesser than 0.5m, a cleaned plastic beaker was used for sample collection. The sampler was rinsed before collection with the sample to be taken. One liter or 1000 mL water sample was collected from depth for laboratory analyses.

Sample Container

Water samples were contained in screw-cap PE (Poly-Ethylene) bottles as provided by ALS. The PE bottles were pretreated by laboratory in accordance with the corresponding analytical requirements of HOKLAS. Where appropriate, the sampling bottles will be rinsed with the water to be contained. Water sample was transferred from the sampler to the sample bottles to 95% bottle capacity to allow possible volume expansion during delivery and storage.

Sample Storage and delivery

A 'Willow' 33-litter plastic cool box packed with ice was used to preserve the collected water samples prior to arrival at the laboratory. The temperature of the cool box was maintained as close to 4°C as possible without being frozen. Samples collected were delivered to the laboratory end of sampling day or following day within the maximum storage time requirement.

Chemical Analysis

ALS Technichem (HK) Pty Ltd (HOKLAS No. 66 and the HOKLAS-accreditation certificate show in **Appendix D**) was appointed by ET to provide analytical services for this project. The analysis of suspended solids, ammonia nitrogen and zinc were carried out to follow the APHA Standard Methods for the Examination of Water and Wastewater 19ed 2540D. ALS carried out sample and analysis control in accordance with the HOKLAS QA/QC requirements.

Ecology

The habitat map updating was undertaken by the Ecology Specialist. The monitoring methodology and procedure during the baseline monitoring as well as the monitoring results will be submitted as stand-alone report

3.5 DATA MANAGEMENT AND DATA QA/QC CONTROL

The baseline monitoring data were handled by the ET's systematic data recording and management, which complies with in-house certified (ISO 9001:2000) Quality Management System. Standard Field Data Sheets (FDS) were used in the baseline monitoring program.

The monitoring data recorded in the equipment e.g. 1-Hr TSP meters was downloaded directly at the end of each monitoring day; and noise meters were downloaded directly at the end of baseline monitoring period. The downloaded monitoring data were input into a computerized database properly maintained by the ET. The laboratory results were input directly into the computerized database and QA/QC checked by personnel other than those who input the data.

For monitoring activities require laboratory analysis, ALS follows the QA/QC requirements as set out under the HOKLAS scheme for all laboratory testing

4. BASELINE MONITORING RESULTS

The baseline monitoring schedules are presented in **Appendix E** and the monitoring results are detailed in the following sub-sections.

4.1 AIR QUALITY OF MONITORING STATION

The baseline air quality monitoring results for 24-hr and 1-hr TSP is summarized in **Tables 4-1**. The 24-hr TSP data are shown in **Appendix F**.

Table 4-1 Summary of 24-Hr and 1-Hr TSP Monitoring Results – ASR14(A1(a))

Date	24-Hr TSP ($\mu\text{g}/\text{m}^3$)	1-Hr TSP ($\mu\text{g}/\text{m}^3$)			
		Start Time	1 st TSP Measurement	2 nd TSP Measurement	3 rd TSP Measurement
01 April 2008	28	9:32	120	111	127
02 April 2008	31	9:41	149	153	147
03 April 2008	24	9:25	170	163	165
04 April 2008	30	12:46	54	61	60
05 April 2008	32	11:12	64	58	63
06 April 2008	23	12:42	141	123	119
07 April 2008	17	11:42	77	74	65
08 April 2008	6	10:10	71	64	68
09 April 2008	15	9:30	66	72	75
10 April 2008	18	9:25	71	68	70
11 April 2008	23	10:17	71	69	71
12 April 2008	19	10:15	64	66	61
13 April 2008	12	12:33	83	88	85
14 April 2008	22	9:37	69	74	72
Average (Range)	21 (6 – 32)	Average (Range)	90 (54 – 170)		

Table 4-2 Summary of 24-Hr and 1-Hr TSP Monitoring Results – ASR15(A2)

Date	24-Hr TSP ($\mu\text{g}/\text{m}^3$)	1-Hr TSP ($\mu\text{g}/\text{m}^3$)			
		Start Time	1 st TSP Measurement	2 nd TSP Measurement	3 rd TSP Measurement
01 April 2008	20	9:15	96	104	137
02 April 2008	25	9:20	172	165	152
03 April 2008	22	9:08	162	170	155
04 April 2008	16	12:33	59	58	69
05 April 2008	26	11:02	70	66	66
06 April 2008	20	12:30	130	112	109
07 April 2008	13	11:53	64	66	60
08 April 2008	12	9:40	75	70	72
09 April 2008	11	9:10	58	67	61
10 April 2008	13	9:15	56	59	64
11 April 2008	20	9:30	63	64	61
12 April 2008	17	9:30	77	75	79
13 April 2008	11	12:44	64	67	66
14 April 2008	20	9:02	81	95	90
Average (Range)	17 (11 – 26)	Average (Range)	88 (56 – 172)		

The meteorological data during the baseline monitoring period are summarized in **Appendix G**.

ACTION/LIMIT LEVELS FOR AIR QUALITY

Following the criteria shown in **Table 2-7** of this report, the Action and Limit Levels for 24-Hr and 1-Hr TSP are summarized in **Table 4-3**.

Table 4-3 Action and Limit Levels for Air Quality Monitoring

Monitoring Station	Action Level ($\mu\text{g}/\text{m}^3$)		Limit Level ($\mu\text{g}/\text{m}^3$)	
	1-Hr TSP	24-Hr TSP	1-Hr TSP	24-Hr TSP
ASR14(A1(a))	>309	>144	> 500	> 260
ASR15(A2)	>307	>141	> 500	> 260

Note: 1-Hr & 24-Hr TSP Action Level = (Baseline*1.3 + Limit level)/2

4.2 NOISE OF MONITORING STATION

The baseline noise monitoring result are shown in **Appendix E** and **Tables 4-4**.

Table 4-4 Summaries of Noise Monitoring Results

Time Period	KT13b(N1a)*			KT13d(N2a)*			KT13f(N3)		
	3 May 08 – 10 May 08			30 Apr 08 – 7 May 08			30 Apr 08 – 7 May 08		
	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min
Normal Daytime 0700-1900 – Leq (5mins)	63.1	75.2	52.4	61.4	73.2	54.5	58.6	70.3	47.4
Restrict Hour 1900-2300 – Leq (5mins)	61.9	74.9	51.9	58.6	74.4	53.1	57.2	68.8	44.5
Restrict Hour 2300-0700 of next day – Leq (5mins)	57.5	75.1	50.4	60.6	74.0	53.5	56.8	70.2	44.3
Restrict Hour 0700-1900 holiday – Leq (5mins)	59.6	72.2	52.6	60.2	74.0	52.4	58.0	70.3	48.6

Note: Figures refer to the measurement recorded at the designated station during the entire baseline period for general reference.

(*) A façade correction of +3 dB(A) has been added according to acoustical principles and EPD guidelines.

ACTION/LIMIT LEVELS FOR NOISE

The Action and Limit levels for construction noise are illustrated in **Table 4-5**.

Table 4-5 Action and Limit Levels of Construction Noise Monitoring

Time Period	Action Level in dB(A)	Limit Level in dB(A)
0700-1900 hrs on normal weekdays	When one documented complaint is received	> 75* dB(A)

Note: * Reduces to 70dB(A) for schools and 65dB(A) during the school examination periods.

4.3 WATER QUALITY OF MONITORING STATION

The baseline water quality monitoring results are summarized in **Tables 4-6**. Detailed monitoring data results are shown in **Appendix F**.

Table 4-6 Summary of Water Quality Monitoring Results

Dissoived Oxygen (mg/L)	W1	W2	W3(a)	W4	W5	W6
1%-ile	2.63	1.00	0.94	1.01	2.47	0.91
5%-ile	2.64	1.04	0.97	1.06	3.40	0.93
Average (Range)	3.4 (2.63-4.48)	1.83 (0.99-4.89)	1.61 (0.94-2.46)	1.55 (1.00-2.10)	5.25 (2.24-6.86)	2.04 (0.90-2.73)
Turbidity (NTU)	W1	W2	W3(a)	W4	W5	W6
95%-ile	9.13	36.81	75.57	23.40	7.51	27.88
99%-ile	9.14	37.16	80.91	23.44	7.61	30.02
Average (Range)	5.72 (2.28-9.15)	20.34 (6.40-8.70)	29.06 (7.80-82.25)	18.84 (8.29-23.45)	5.95 (3.98-7.64)	22.57 (15.60-30.55)
pH	W1	W2	W3(a)	W4	W5	W6
95%-ile	8.70	8.65	8.55	8.60	8.68	8.70
99%-ile	8.70	8.69	8.59	8.60	8.86	8.70
Average (Range)	7.52 (6.60-8.70)	7.51 (6.40-8.70)	7.60 (6.60-8.60)	7.46 (6.70-8.60)	7.74 (7.00-8.90)	7.73 (7.00-8.70)
Suspended Solids (mg/L)	W1	W2	W3(a)	W4	W5	W6
95%-ile	8.00	79.0	113.60	192.0	14.90	73.40
99%-ile	8.00	86.2	117.12	312.0	16.58	78.68

Average (Range)	5.55 (2 - 8)	49.36 (30 - 88)	69.08 (18-118)	58.09 (5 - 342)	6.43 (2 - 17)	33.08 (13 - 80)
Ammonia Nitrogen (µg/L)	W1	W2	W3(a)	W4	W5	W6
95%-ile	0.52	16.85	47.53	26.76	8.58	51.62
99%-ile	0.56	16.89	49.03	27.11	8.60	54.56
Average (Range)	0.33 (0.02 - 0.57)	8.92 (0.21-16.90)	19.13 (4.78-49.40)	12.03 (5.67-27.20)	6.36 (2.47-8.61)	24.78 (9.81-55.30)
Zinc (µg/L)	W1	W2	W3(a)	W4	W5	W6
95%-ile	26.15	234.95	302.90	150.35	20.00	191.90
99%-ile	29.23	266.19	303.78	151.67	21.60	201.58
Average (Range)	19.33 (14-30)	133 (20-274)	199.17 (63-304)	102.25 (14-152)	13.73 (10-22)	113 (59-204)

ACTION/LIMIT LEVELS FOR WATER QUALITY

The Action and Limit levels for water quality are illustrated in **Table 4-7**.

Table 4-7 Action and Limit Levels for Water Quality Monitoring

Monitoring Location	DO (mg/L)		Turbidity (NTU)		pH		SS (mg/L)		Ammonia (µg/L)		Zinc (µg/L)	
	Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Level
W1 (Upstream) Control Station	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W2 (Downstream) Impact Station	1.04	1.00	36.81	37.16	8.65	8.69	79.0	86.2	16.85	16.89	234.95	266.19
W3(a) (Upstream) Control Station	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W4 (Upstream) Control Station	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W5 (Upstream) Control Station	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W6 (Downstream) Impact Station	0.93	0.91	27.88	30.02	8.7	8.7	73.40	78.68	51.62	54.56	191.90	201.58

Notes:
 * Act as Control Station for the Impact Water Quality Monitoring.
 * Alternative Action Level of the Turbidity, pH, Suspended Solid, Ammonia Nitrogen and Zinc are 120% of upstream control station of same day.
 ** Alternative Action Level of the Turbidity, pH, Suspended Solid, Ammonia Nitrogen and Zinc are 130% of upstream control station of same day.

4.4 DISCUSSION AND RECOMMENDATIONS

Air Quality

Possible Influence of Season Changes

The baseline monitoring was conducted during 1 to 15 April 2008 within typical Hong Kong dry season. The baseline data so collected therefore represent the baseline air quality of the dry season immediately prior to commencement of the Project. They may not reflect air quality conditions of another Hong Kong wet season, which are normally significantly different.

It is therefore recommended that the interpretation of the air quality monitoring data should take into account the influence of the season changes, and the baseline conditions should be regularly reviewed, in particular during season changes.

Water Quality

Environmental Performance Criteria of DO, SS, pH, ammonia, turbidity and zinc

The baseline SS, pH, ammonia, turbidity and zinc level reflect typical water quality at the monitoring locations in typical Hong Kong dry season, and the established environmental performance criteria, i.e. Action & Limit levels, are therefore applicable to the Event and Action Plan in Hong Kong dry season immediately prior to the commencement of the construction activities of the Project. Similarly, this applies to DO which optically indicate similar characteristic of the water quality.

It is important to point out that the baseline SS, pH, ammonia, turbidity and zinc conditions at the monitoring locations may differ significantly in wet season, in particular under rainy or typhoon conditions. Therefore, it is recommended to regularly review the water quality baseline conditions, in particular during season changes. The environmental performance criteria may need to be re-established if it is evident that the baseline conditions have changed significantly. An updated baseline data should then be sought for re-establishment of the updated environmental performance criteria for the Event and Action Plan to be smoothly implemented.

5. CONCLUSIONS

The baseline monitoring of air quality, noise and water quality was conducted during typical Hong Kong dry season from 18 March 2008 to 10 May 2008. It is important that influence of the season changes is taken into account when interpreting monitoring data of all environmental aspects obtained in wet season. Review of the baseline conditions may need to be conducted regularly in particular during season changes. If the baseline changes are evident, the environmental performance criteria should be re-established under agreement of the ER and IEC.

As there is no construction activities undertaken during the water quality baseline monitoring, the water quality at the control stations W1, W3(a), W4 and W5 are anticipated to be identical to that of the impact stations W2 and W6. Therefore, establishment Action and Limit Levels are considered unnecessary.

The baseline ecology monitoring was undertaken during the baseline monitoring period between 18 and 21 April 2008 and 16 & 18 May 2008, covering daytime and nighttime. The ecological baseline monitoring report will be submitted separately as a stand-alone document.

The recommended environmental performance criteria for air quality, construction noise and water quality are summarized as follows:

Recommended Air Quality Action & Limit Levels				
Monitoring Station	Action Level ($\mu\text{g}/\text{m}^3$)		Limit Level ($\mu\text{g}/\text{m}^3$)	
	1-Hr TSP	24-Hr TSP	1-Hr TSP	24-Hr TSP
ASR14 (A1(a))	>309	>144	> 500	> 260
ASR15 (A2)	>307	>141	> 500	> 260

Recommended Construction Noise Action & Limit Levels		
Time Period	Action Level in dB(A)	Limit Level in dB(A)
0700-1900 hrs on normal weekdays	When one documented complaint is received	75 dB(A) of Leq(30min) during normal hours from 0700 to 1900 hours on normal weekdays, reduced to 70 dB(A) of Leq(30min) for schools and 65 dB(A) during school examination periods

Monitoring Location	DO (mg/L) (Note a)		Turbidity (NTU) (Note b)		pH (Note c)		SS (mg/L) (Note b)		Ammonia ($\mu\text{g}/\text{L}$) (Note b)		Zinc ($\mu\text{g}/\text{L}$) (Note b)	
	Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Level
W1 (Upstream) Control Station	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W2 (Downstream) Impact Station	1.04	1.00	36.81	37.16	8.65	8.69	79.0	86.2	16.85	16.89	234.95	266.19
W3(a) (Upstream) Control Station	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W4 (Upstream) Control Station	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W5 (Upstream) Control Station	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
W6 (Downstream) Impact Station	0.93	0.91	27.88	30.02	8.7	8.7	73.40	78.68	51.62	54.56	191.90	201.58

NOTES:
 (a) FOR DO, NON-COMPLIANCES OCCUR WHEN MONITORING RESULT IS LOWER THAN THE ACTION AND LIMIT LEVELS;
 (b) FOR TURBIDITY AND SS, NON-COMPLIANCE OCCUR WHEN MONITORING RESULT IS HIGHER THAN THE ACTION AND LIMIT LEVELS AND 120% OR 130% OF UPSTREAM CONTROL STATION OF THE SAME DAY;
 (c) FOR PH, NON-COMPLIANCE OCCUR WHEN MONITORING RESULT IS LOWER THAN THE MINIMUM OR HIGHER THAN THE MAXIMUM OF THE ACTION AND LIMIT LEVELS;

Appendix A

Location Plan of the Project

© CONTROL BY PHASE 1, UNDER WHICH THE LAND IS DEVELOPED AND
 WHICH IS SUBJECT TO THE PROVISIONS OF THE
 1. BUILDINGS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE
 2. BUILDINGS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE
 3. BUILDINGS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE
 4. BUILDINGS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE
 5. BUILDINGS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE

- LEGEND
- SITE BOUNDARY
 - PROPOSED CHANNEL
 - PROPOSED STONE
 - AREA TO BE FILLED TO
 GRADE LEVEL
 - INVERT LEVEL
 - PROPOSED RETAINING WALL

NO.	DESCRIPTION	DATE	BY	CHECKED
1	PRELIMINARY PLAN	1978
2
3
4
5
6
7
8
9
10

AGREEMENT NO. CE 67/93


YUEN LONG, KAM TR.
 NGAU TAM MEI AND TIN SHU WA
 DRAINAGE IMPROVEMENT STAGE 1,
 PHASE 2B - KAM TR.

MA ON KONG CHANNEL KITS
 PROPOSED LAYOUT PLAN
 (SHEET 2 OF 2)

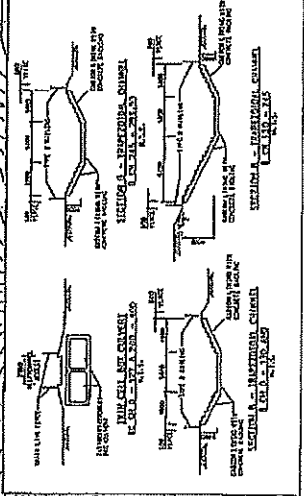
FIGURE 1.3b

1:2500 AS
 1:2500 AS

香港特許水務局有限公司
 THE HONG KONG WATER SUPPLY AND
 SEWERAGE DEPARTMENT

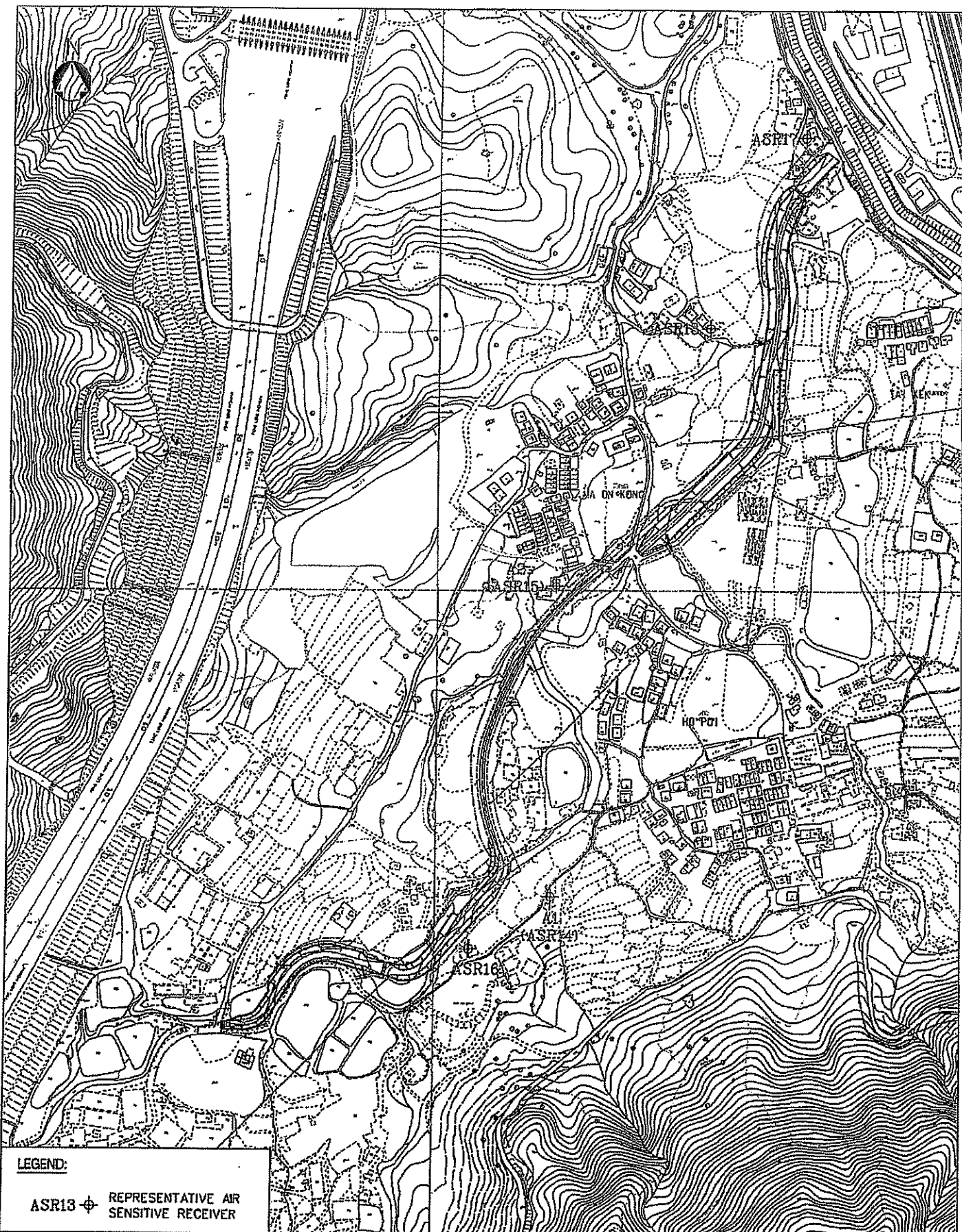


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Appendix B

Environmental Monitoring Locations



LEGEND:

ASR13 ⊕ REPRESENTATIVE AIR SENSITIVE RECEIVER

YUEN LONG, KAM TIN,
NGAU TAM MEI AND TIN SHUI WAI
DRAINAGE IMPROVEMENT, STAGE1, PHASE 2B

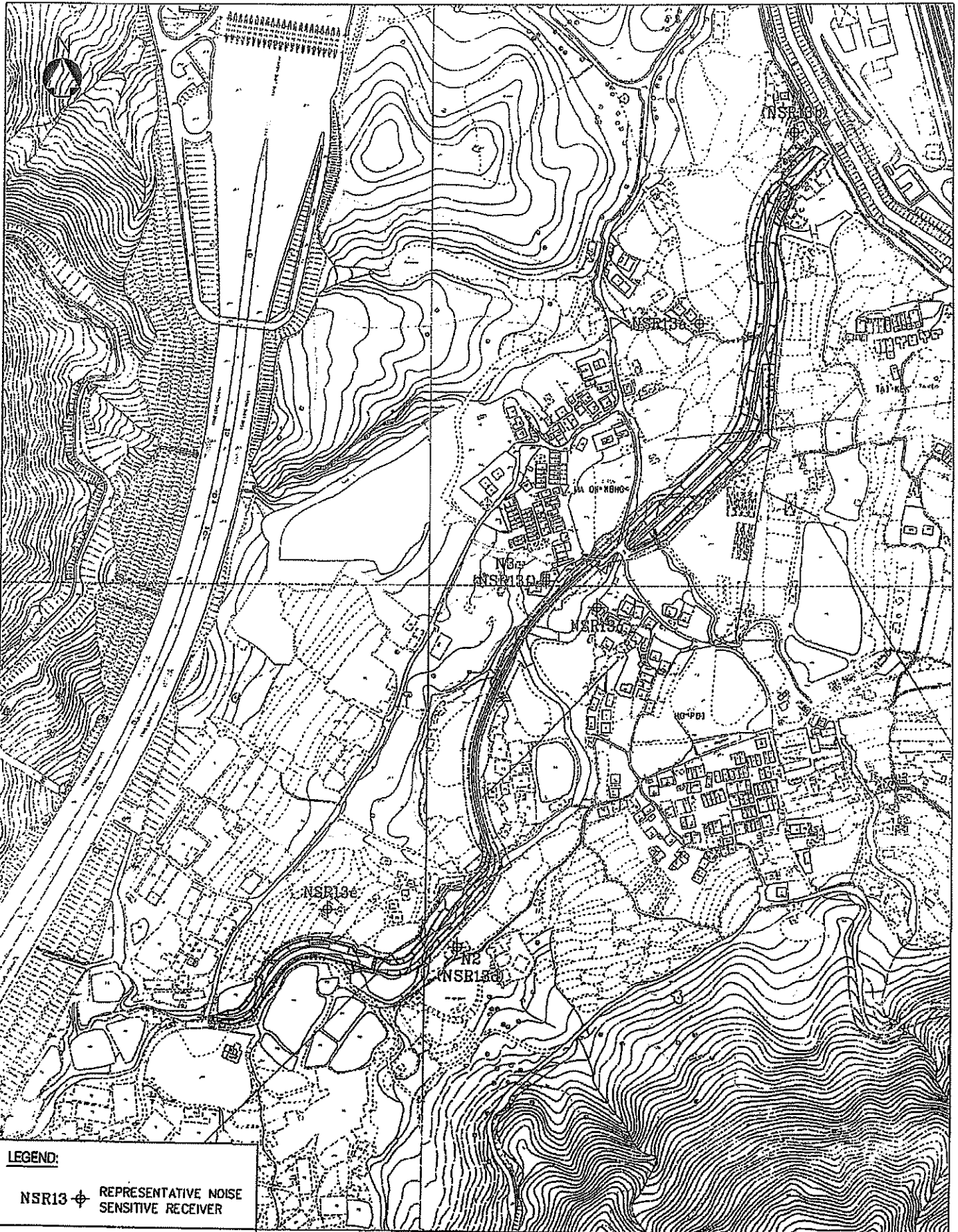


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博威工程顧問有限公司

Title :

**PROPOSED AIR MONITORING
LOCATIONS AND REPRESENTATIVE
AIR SENSITIVE RECEIVERS**

Figure No. 2.1	Revision 0
Reference -	File Name 3820470201-107.DGN
Prepared MC	Checked WYC
Date OCT. 2002	Scale 1:3000



LEGEND:

NSR13 ⊕ REPRESENTATIVE NOISE SENSITIVE RECEIVER

YUEN LONG, KAM TIN,
NGAU TAM MEI AND TIN SHUI WAI
DRAINAGE IMPROVEMENT, STAGE1, PHASE 2B



BLACK & VEATCH HONG KONG LIMITED
黑域工程顧問有限公司

Title :

**PROPOSED NOISE MONITORING
LOCATIONS AND REPRESENTATIVE
NOISE SENSITIVE RECEIVERS**

Figure No.	Revision
3.1	0
Reference	File Name
-	3B20470201-108.DGN
Prepared	Checked
MC	WYC
Date	Scale
OCT. 2002	1 : 3000

NOTES:
 1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.
 2. DIMENSIONS ARE TO THE CENTER LINE UNLESS STATED OTHERWISE.
 3. THE CENTER LINE SHALL BE ADJUSTED TO THE CENTER OF THE CHANNEL BANKS.

- LEGEND:
- SITE BOUNDARY
 - PROPOSED QUARRY
 - PROPOSED ROAD
 - ROAD TO BE BUILT TO ADJACENT QUARRY LEVEL
 - PROPOSED EXISTING/PROPOSED CONDUIT
 - POWER LEVEL

DATE	BY	REVISION	DATE
07/05	07/05	07/05	07/05
07/05	07/05	07/05	07/05
07/05	07/05	07/05	07/05

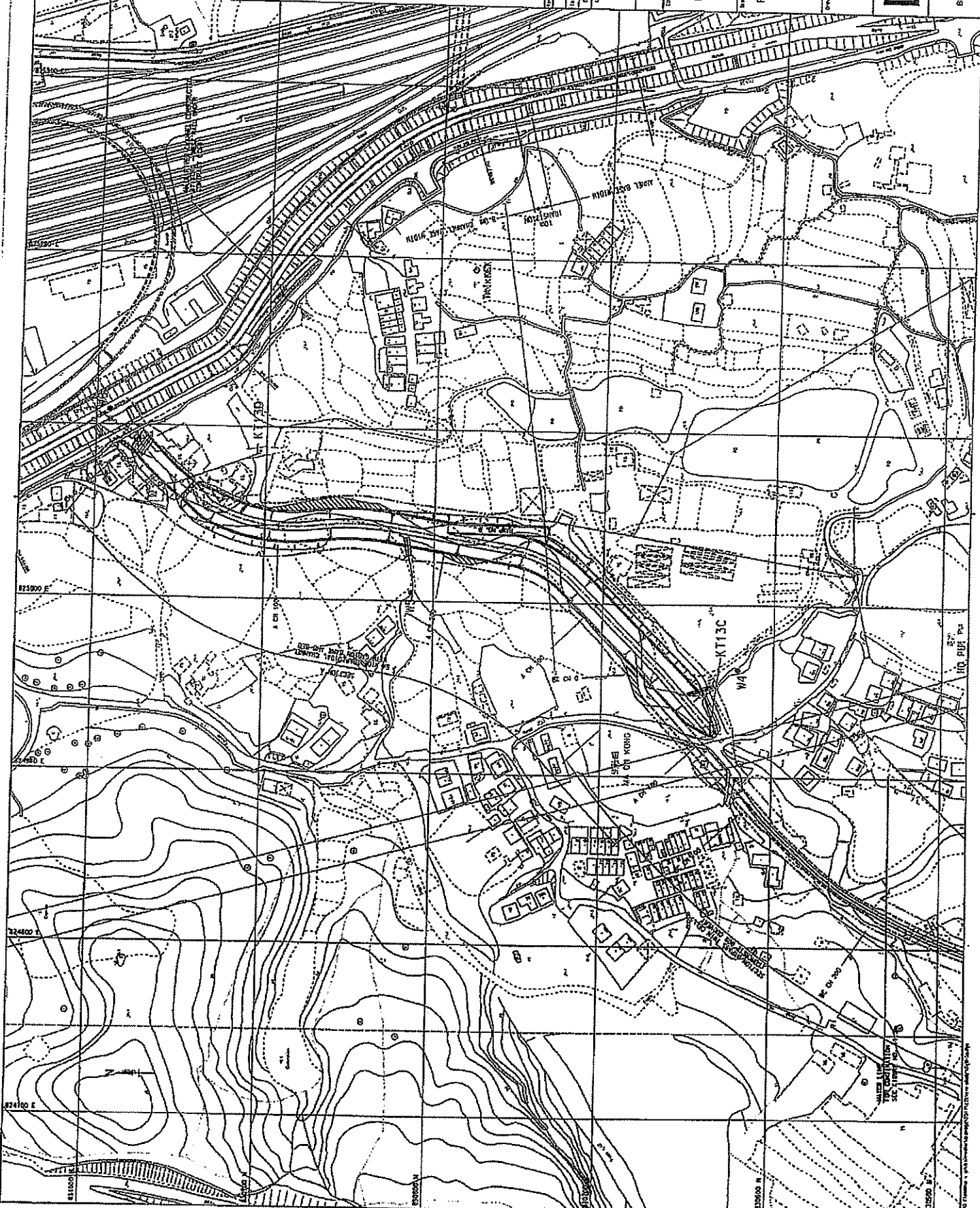
AGREEMENT NO. CE 87/93
 YUEN LONG KAM TIN
 NGAU YAM MEI AND TIN SAM WA
 CROWNAGE IMPROVEMENT STAGE 1,
 PHASE 2B - KAM TIN

RECOMMENDED WATER QUALITY AND SEDIMENT QUALITY MONITORING LOCATIONS
 (SHEET 1 OF 2)

FIGURE 4.1a
 11080 A1
 11280 A3

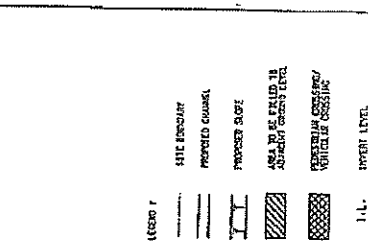
香港特別行政區政府
 THE GOVERNMENT OF THE
 HONG KONG SPECIAL ADMINISTRATIVE REGION
 香港測量師學會
 HONG KONG SURVEYORS' INSTITUTE

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 黑域士工程顧問有限公司



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- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SHOWN OTHERWISE.
 2. GRID LINES ARE 100 METRE APART.
 3. ALL DIMENSIONS ARE TO CENTRE UNLESS OTHERWISE SPECIFIED.
 4. ALL DIMENSIONS ARE TO THE OUTSIDE UNLESS OTHERWISE SPECIFIED.



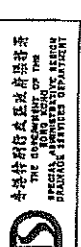
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07/01	Y.L.	01/01	01/01
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07/01	Y.L.	01/01	01/01
07/01	Y.L.	01/01	01/01

AGREEMENT NO. CE 67/89

YEN LONG KAM TIN
NGAU TAM KEI AND TIN SHUI WAI
DRAINAGE IMPROVEMENT STAGE 1,
PHASE 2B - KAM TIN

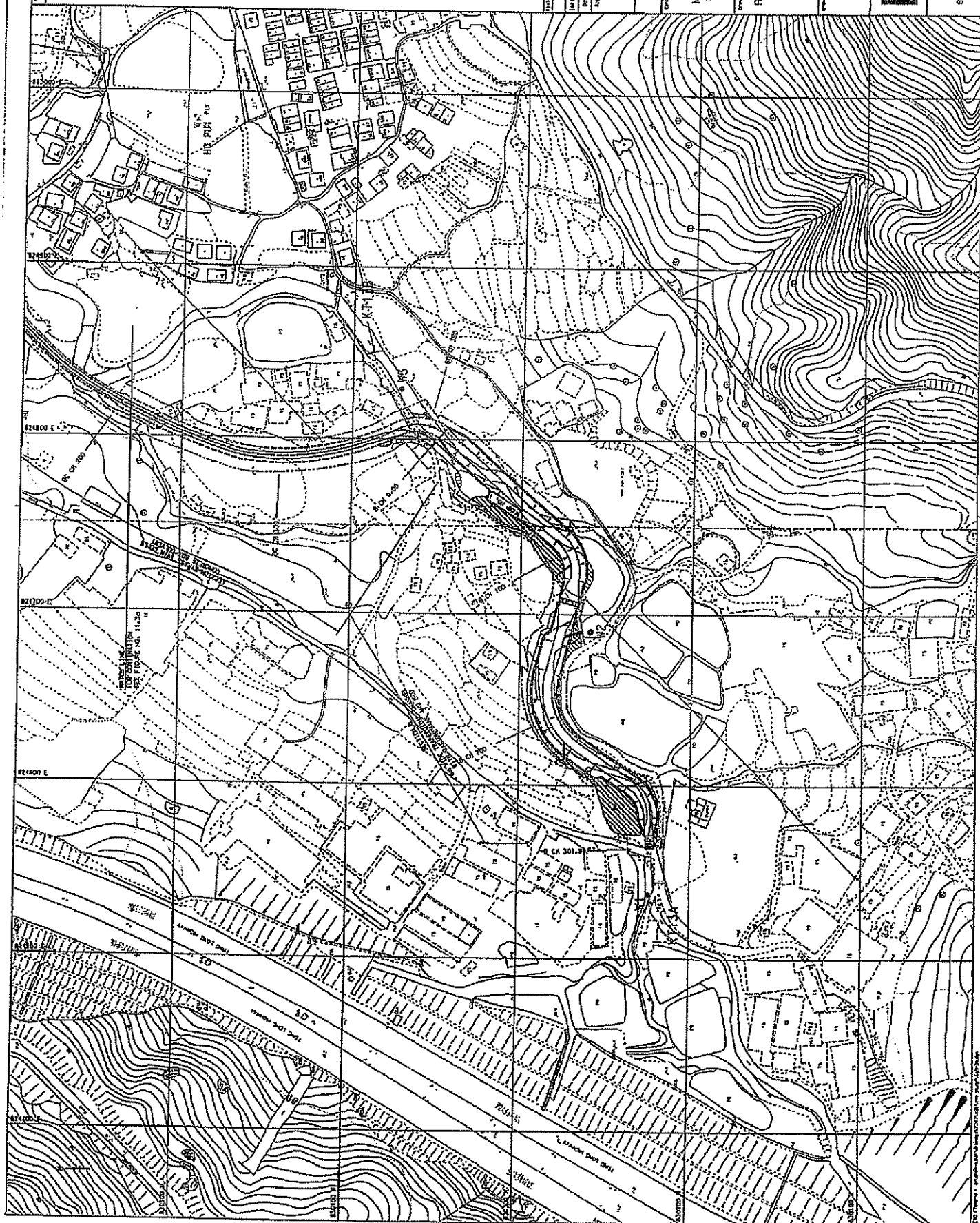
RECOMMENDED WATER QUALITY
AND SEDIMENT QUALITY
MONITORING LOCATIONS
(SHEET 2 OF 2)

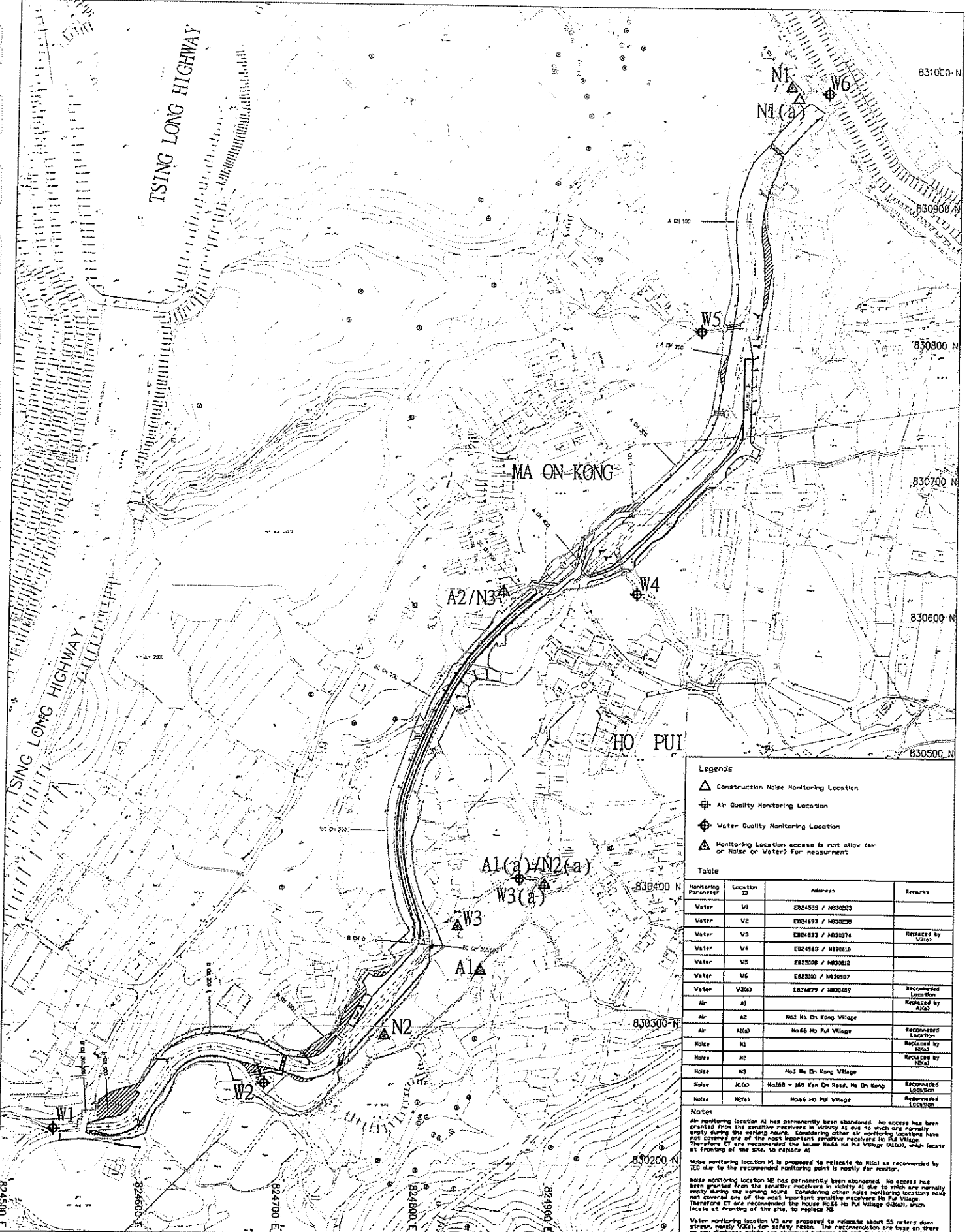
FIGURE 4.1b



蘇怡生有限公司
THE CONSULTANTS
FOR THE
DRAINAGE IMPROVEMENT
PROJECT

BLACK & VEATCH HOLDINGS LIMITED
黑域士工程顧問有限公司





- Legends**
- ▲ Construction Noise Monitoring Location
 - ⊕ Air Quality Monitoring Location
 - ⊕ Water Quality Monitoring Location
 - ▲ Monitoring Location access is not allow (car or Noise or Water) for measurement

Table

Monitoring Parameter	Location ID	Address	Remarks
Water	W1	EB24539 / NB32283	
Water	W2	EB24693 / NB32289	
Water	W3	EB24432 / NB32374	Replaced by W3(a)
Water	W4	EB24149 / NB32410	
Water	W5	EB25208 / NB32810	
Water	W6	EB25200 / NB32987	
Water	W3(a)	EB24879 / NB32409	Recommended Location
Air	A1		Replaced by A1(a)
Air	A2	No.3 Ma On Kong Village	
Air	A1(a)	No.66 Ho Pui Village	Recommended Location
Noise	N1		Replaced by N1(a)
Noise	N2		Replaced by N2(a)
Noise	N3	No.3 Ma On Kong Village	
Noise	N1(a)	No.66 - 149 Ma On Kong, Ho Pui Village	Recommended Location
Noise	N2(a)	No.66 Ho Pui Village	Recommended Location

Notes

Air monitoring location A1 has permanently been abandoned. No access has been granted from the sensitive receivers in vicinity A1 due to which are normally empty during the working hours. Considering other air monitoring locations have not covered one of the most important sensitive receivers Ho Pui Village. Therefore A1 are recommended the house No.66 Ho Pui Village (A1(a)), which locate at fronting of the site, to replace A1.

Noise monitoring location N1 is proposed to relocate to N1(a) as recommended by IEC due to the recommended monitoring point is mostly for monitor.

Noise monitoring location N2 has permanently been abandoned. No access has been granted from the sensitive receivers in vicinity A1 due to which are normally empty during the working hours. Considering other noise monitoring locations have not covered one of the most important sensitive receivers Ho Pui Village. Therefore N2 are recommended the house No.66 Ho Pui Village (N2(a)), which locate at fronting of the site, to replace N2.

Water monitoring location W3 are proposed to relocate about 55 meters down stream, nearby W3(a), for safety reason. The recommendation are based on there no any discharge points are observed between W3 and the proposed location.

Drawing:
Air, Noise and Stream Water Monitoring Location at KT-13

AUES

Contract No. EC/2017/7
 7/F, 100, Queen's Road Central, Hong Kong
 Tel: +852 2500 8888 Fax: +852 2500 8889
 Email: aues@aues.com.hk
 Website: www.aues.com.hk

AS SUPPLIED BY THE 1:50,000 Scale Survey Station 242
 Department of Survey, Government of Hong Kong.

NOTE 1
 1. GRID LINES ARE FROM TOPO METRIC GRID 1959.

- LEGEND
- Ecology Monitoring Area
 - Proposed Development Not Relating to Drainage Improvement Stage 1
 - Proposed Development Relating to Drainage Improvement Stage 1
 - Other Development
 - Road
 - Railway
 - Watercourse
 - Contour Line

ALL ON THIS MAP ARE NOT NECESSARILY
 PROPOSED DEVELOPMENT NOT RELATING
 TO DRAINAGE IMPROVEMENT STAGE 1
 WHICH ARE INDICATED BY DOTTED LINES
 WITHIN AREAS OF DRAINAGE IMPROVEMENT
 STAGE 1. OTHER DEVELOPMENT AREAS
 ARE INDICATED BY SOLID LINES.

NO.	DATE	REVISION	BY	CHKD.	REVISION
1	07/03	09/03	09/03	09/03	09/03

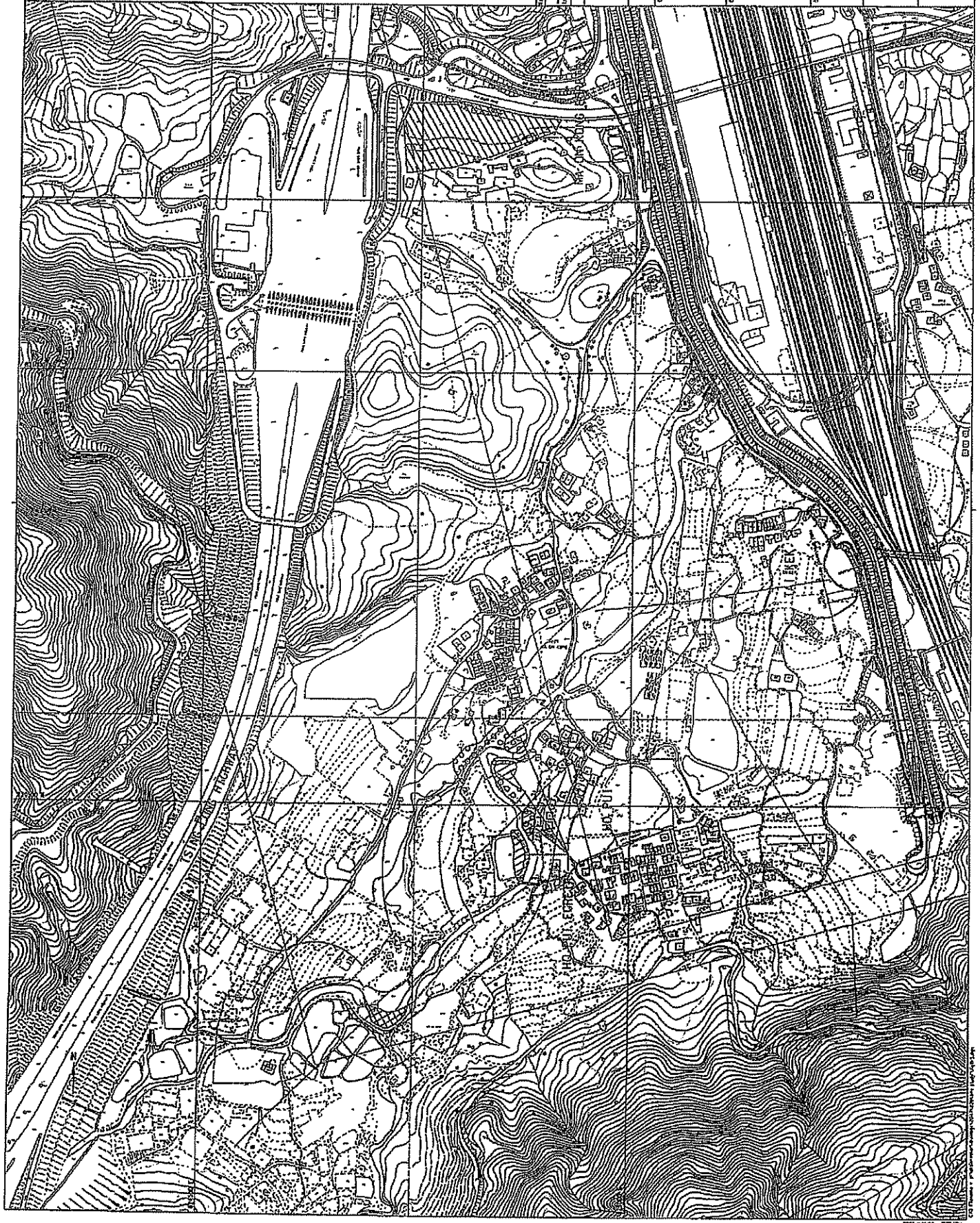
AGREEMENT NO. CE 87/89

PROJECT TITLE
 VIEN LONG KAM TRN,
 NSAU TRAM NGI AND TIN SHAN NGI
 DRAINAGE IMPROVEMENT STAGE 1,
 PHASE 2B - KAM TRN

DESIGN TITLE
 ECOLOGY MONITORING AREAS
 RECOMMENDED FOR
 CONSTRUCTION PHASE AND
 OPERATION PHASE

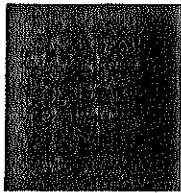
SCALE
 Figure 6.1
 1:12500 AS
 1:14000 AS

香港特許有限公司
 THE CORPORATION OF THE
 BLACK & VEATCH HONG KONG LIMITED
 REGISTERED OFFICE
 BLACK & VEATCH HONG KONG LIMITED
 香港工程師有限公司



Appendix C

Calibration Certificates of Monitoring Equipments



輝創工程有限公司

Sun Creation Engineering Limited Calibration and Testing Laboratory

Certificate No. : C082015

Certificate of Calibration

This is to certify that the equipment

Description : Acoustical Calibrator (EQ081)

Manufacturer : Bruel & Kjaer

Model No. : 4231

Serial No. : 2326408

*has been calibrated for the specific items and ranges.
The results are shown in the Calibration Report No. C082015.*

The equipment is supplied by

Co. Name : Action-United Environmental Services and Consulting

*Address : Unit A, 20/F., Gold King Industrial Building,
35-41 Tai Lin Pai Road, Kwai Chung, N.T.*

Date of Issue : 22 April 2008

Certified by :

K C Lee

The test equipment used for testing are traceable to the National Standards as specified in this report.
This report shall not be reproduced except in full and with prior written approval from this laboratory.

Calibration and Testing Laboratory of Sun Creation Engineering Limited

c/o 4/F, Tsing Shan Wan Exchange Building, 1 Hing On Lane, Tuen Mun, New Territories, Hong Kong
Tel: 2927 2606 Fax: 2744 8986 E-mail: callab@suncreation.com Website: www.suncreation.com



輝創工程有限公司

Sun Creation Engineering Limited Calibration and Testing Laboratory

Certificate No. : C082037

Certificate of Calibration

This is to certify that the equipment

Description : Integrating Sound Level Meter (EQ010)

Manufacturer : Bruel & Kjaer

Model No. : 2238

Serial No. : 2285721

*has been calibrated for the specific items and ranges.
The results are shown in the Calibration Report No. C082037.*

The equipment is supplied by

Co. Name : Action-United Environmental Services and Consulting

*Address : Unit A, 20/F., Gold King Industrial Building,
35-41 Tai Lin Pai Road, Kwai Chung, N.T.*

Date of Issue : 22 April 2008

Certified by :



K/C Lee

The test equipment used for testing are traceable to the National Standards as specified in this report.
This report shall not be reproduced except in full and with prior written approval from this laboratory.

Calibration and Testing Laboratory of Sun Creation Engineering Limited

c/o 4/F, Tsing Shan Wan Exchange Building, 1 Hing On Lane, Tuen Mun, New Territories, Hong Kong

Tel: 2927 2606

Fax: 2744 8986

E-mail: callab@suncreation.com

Website: www.suncreation.com

Certificate of Conformance

Ford Business Limited
Room A, 20/F, Golden King Bldg
No. 35-41 Tai Lin Pai Road, Kwai Chung
Hong Kong,
China

Customer Reference:

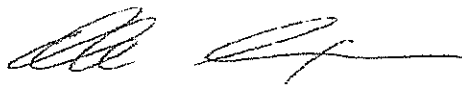
Service Request:
1-108012694

Date:
07-sep-07

We hereby declare that
-2238— Integrating Sound Level Meter Serial Number: 2285690
has been tested and passed all test.

The instrument has been tested according to published specifications at the date of the test.
All tests have been performed using calibrated equipment, traceable to National or International Standards
or by ratio measurements.

Certificate issued
07-sep-07



Ole E. Sørensen
Global Service Manager
For and on behalf of Brüel & Kjær HQ



Recommended date for next check: sep-2008

Brüel & Kjær is certified under ISO 9001: Year 2000, assuring that all calibration data is retained on file and is available for inspection upon request.

Note:

Although this certificate states that your instrument complied with all specifications at the time of the test, this is not a calibration certificate.

Certificate of Conformance

Ford Business Limited
Room A, 20/F, Golden King Bldg
No. 35-41 Tai Lin Pai Road, Kwai Chung
Hong Kong,
China

Customer Reference:

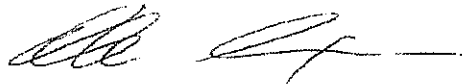
Service Request:
1-108012694

Date:
07-sep-07

We hereby declare that
-2238— Integrating Sound Level Meter Serial Number: 2285722
has been tested and passed all test.

The instrument has been tested according to published specifications at the date of the test.
All tests have been performed using calibrated equipment, traceable to National or International Standards
or by ratio measurements.

Certificate issued
07-sep-07



Ole E. Sørensen

Global Service Manager
For and on behalf of Brüel & Kjær HQ



Recommended date for next check: sep-2008

Brüel & Kjær is certified under ISO 9001: Year 2000, assuring that all calibration data is retained on file and is available for inspection upon request.

Note:

Although this certificate states that your instrument complied with all specifications at the time of the test, this is not a calibration certificate.



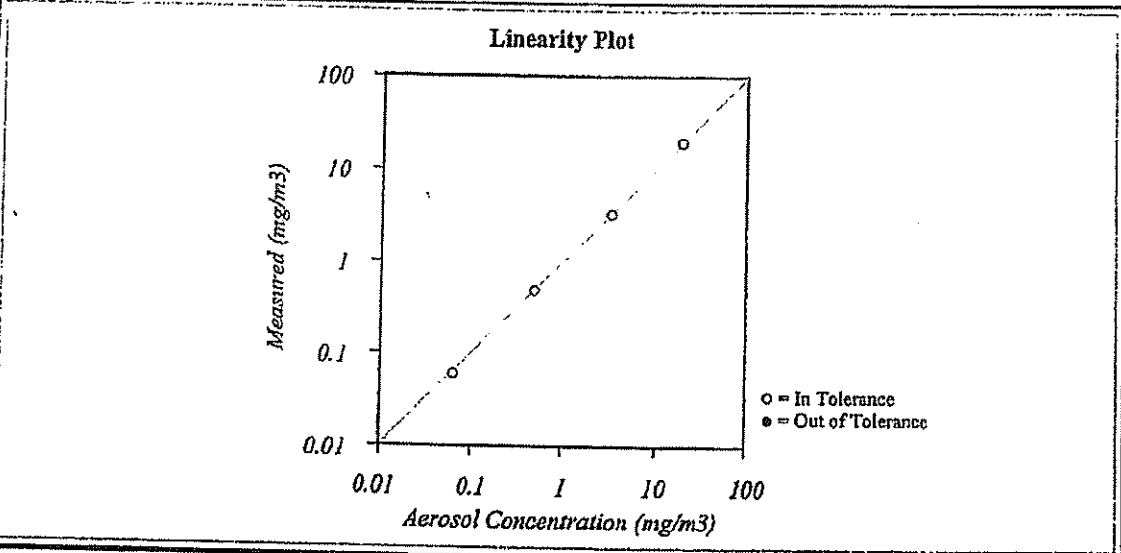
TRUST. SCIENCE. INNOVATION.

CERTIFICATE OF CALIBRATION AND TESTING

TSI Incorporated, 500 Cardigan Road, Shoreview, MN 55126 USA Tel: 1-800-424-7427 1-651-490-2811 Fax: 1-651-490-3824 http://www.tsi.com

Environment Condition			Model	8520
Temperature	66.4 (19.1)	°F (°C)	Serial Number	23079
Relative Humidity	48	%RH		
Barometric Pressure	29.20 (988.8)	inHg (hPa)		

 As Left
 As Found

 In Tolerance
 Out of Tolerance
**Zero Stability Results**

Average:	Minimum:	Maximum:	Time:
0.000 :mg/m ³	0.000 :mg/m ³	0.001 :mg/m ³	4:00 :hrs.

TSI Incorporated does hereby certify that all materials, components, and workmanship used in the manufacture of this equipment are in strict accordance with the applicable specifications agreed upon by TSI and the customer and with all published specifications. All performance and acceptance tests required under this contract were successfully conducted according to required specifications. There is no NIST standard for optical mass measurements. Calibration of this instrument performed by TSI has been done using emery oil and has been nominally adjusted to respirable mass of standard ISO 12103-1, A1 test dust (Arizona dust). Our calibration ratio is greater than 1.2:1

Measurement Variable	System ID	Last Cal.	Cal. Due	Measurement Variable	System ID	Last Cal.	Cal. Due
DC Voltage	E002235	04-05-07	04-05-08	Barometric Pressure	E001329	04-30-07	04-30-08
Temperature	E002873	02-23-07	02-23-08	Humidity	E002873	02-23-07	02-23-08
DC Voltage	E003314	07-11-07	07-11-08	DC Voltage	E003315	07-11-07	07-11-08

Calibrated

 Final Function Check

September 4, 2007

Date



TRUST. SCIENCE. INNOVATION.

CERTIFICATE OF CALIBRATION AND TESTING

TSI Incorporated, 500 Cardigan Road, Shoreview, MN 55126 USA Tel: 1-800-424-7427 1-651-490-2811 Fax: 1-651-490-3824 http://www.tsi.com

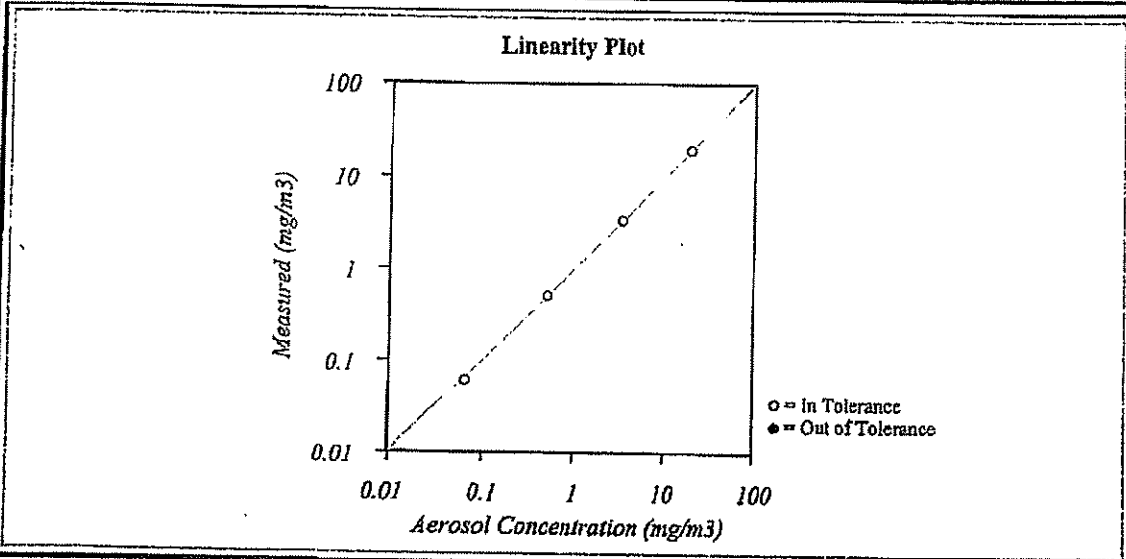
Environment Condition			Model	8520
Temperature	66.4 (19.1)	°F (°C)	Serial Number	23080
Relative Humidity	48	%RH		
Barometric Pressure	29.20 (988.8)	inHg (hPa)		

As Left

In Tolerance

As Found

Out of Tolerance



Zero Stability Results

Average:	Minimum:	Maximum:	Time:
0.000 mg/m ³	0.000 mg/m ³	0.001 mg/m ³	4:00 hrs.

TSI Incorporated does hereby certify that all materials, components, and workmanship used in the manufacture of this equipment are in strict accordance with the applicable specifications agreed upon by TSI and the customer and with all published specifications. All performance and acceptance tests required under this contract were successfully conducted according to required specifications. There is no NIST standard for optical mass measurements. Calibration of this instrument performed by TSI has been done using emery oil and has been nominally adjusted to respirable mass of standard ISO 12103-1, A1 test dust (Arizona dust). Our calibration ratio is greater than 1.2:1

Measurement Variable	System ID	Last Cal.	Cal. Due	Measurement Variable	System ID	Last Cal.	Cal. Due
DC Voltage	E002235	04-05-07	04-05-08	Barometric Pressure	E001329	04-30-07	04-30-08
Temperature	E002873	02-23-07	02-23-08	Humidity	E002873	02-23-07	02-23-08
DC Voltage	E003314	07-11-07	07-11-08	DC Voltage	E003315	07-11-07	07-11-08

Tom Vary
Calibrated

Final Function
Check

September 4, 2007

Date



TRUST. SCIENCE. INNOVATION.

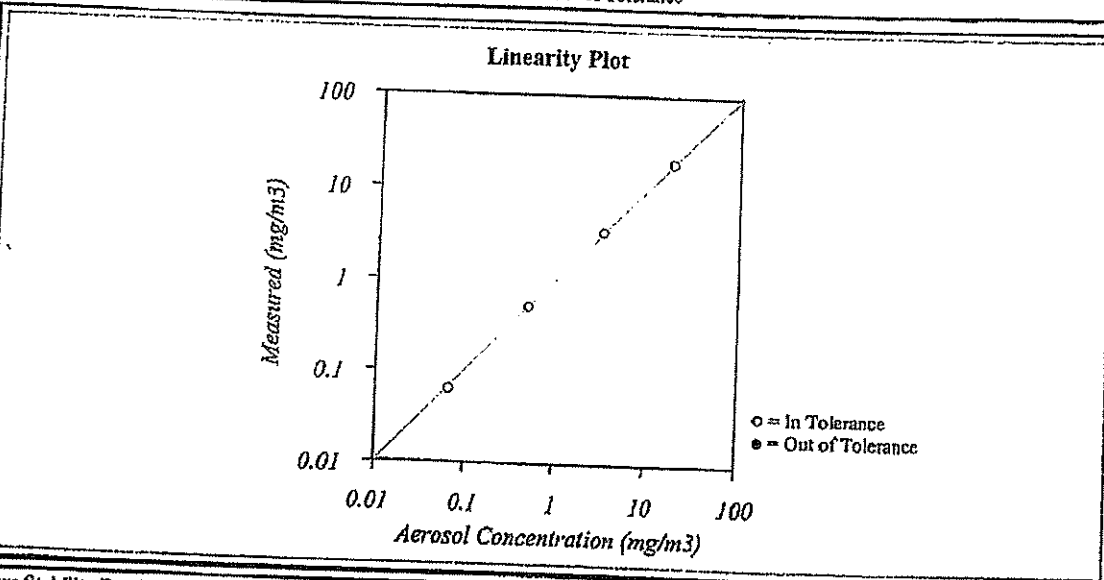
CERTIFICATE OF CALIBRATION AND TESTING

TSI Incorporated, 500 Cardigan Road, Shoreview, MN 55126 USA Tel: 1-800-424-7427 1-651-490-2811 Fax: 1-651-490-3824 <http://www.tsi.com>

Environment Condition			Model	8520
Temperature	70.7 (21.5)	°F (°C)	Serial Number	21060
Relative Humidity	52	%RH		
Barometric Pressure	28.82 (976.0)	inHg (hPa)		

As Left
 As Found

In Tolerance
 Out of Tolerance



Zero Stability Results			
Average:	Minimum:	Maximum:	Time:
0.000 :mg/m ³	0.000 :mg/m ³	0.001 :mg/m ³	4:00 :hrs.

TSI Incorporated does hereby certify that all materials, components, and workmanship used in the manufacture of this equipment are in strict accordance with the applicable specifications agreed upon by TSI and the customer and with all published specifications. All performance and acceptance tests required under this contract were successfully conducted according to required specifications. There is no NIST standard for optical mass measurements. Calibration of this instrument performed by TSI has been done using emery oil and has been nominally adjusted to respirable mass of standard ISO 12103-1, A1 test dust (Arizona dust). Our calibration ratio is greater than 1.2:1

Measurement Variable	System ID	Last Cal.	Cal. Due	Measurement Variable	System ID	Last Cal.	Cal. Due
DC Voltage	E002235	04-05-07	04-05-08	Barometric Pressure	E001329	04-30-07	04-30-08
Temperature	E002873	02-23-07	02-23-08	Humidity	E002873	02-23-07	02-23-08
DC Voltage	E003314	07-11-07	07-11-08	DC Voltage	E003315	07-11-07	07-11-08

Calibrated

Final Function Check

September 4, 2007
Date

Equipment Calibration Record

Equipment Calibrated:

Type: Laser Dust monitor
 Manufacturer: Sibata
 Serial No. 362359
 Equipment Ref: EQ096
 Sensitivity 769 CPM

Standard Equipment:

Standard Equipment: Higher Volume Sampler
 Location & Location ID: Au Tau abutment next to Yoho Town Phase 2
 Equipment Ref: AM 7
 Last Calibration Date: 20 May 2007

Equipment Calibration Results:

Calibration Date: 22 June 2007

Hour	Time	Temp °C	RH %	Concentration in mg/m ³ (Standard Equipment)	Total Count (Calibrated Equipment)	Count/Minute (Total Count/60min)
1	13:12 ~ 14:12	32.3	74	0.133	3603	60.1
1	14:15 ~ 15:15	31.7	77	0.139	3930	65.5
1	15:20 ~ 16:20	31.3	79	0.122	3311	55.2

Sensitivity Adjustment Scale Setting (Before Calibration) 709 (CPM)

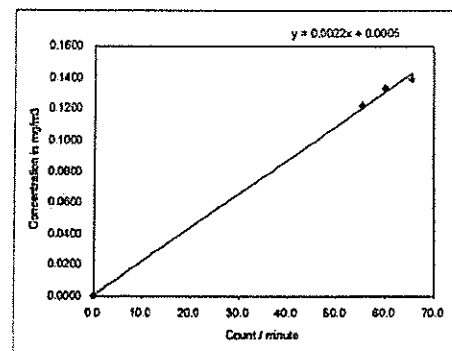
Sensitivity Adjustment Scale Setting (After Calibration) 709 (CPM)

Linear Regression of Y or X

Slope (K-factor): 0.0021

Correlation Coefficient 0.9990

Validity of Calibration Record 25 June 2007



Operator: Ben Tam Signature: [Signature] Date: 25 June 2007

QC Reviewer: Ken Wong Signature: [Signature] Date: 25 June 2007

Equipment Calibration Record

Equipment Calibrated:

Type: Laser Dust monitor
 Manufacturer: Sibata
 Serial No. 362360
 Equipment Ref: EQ097
 Sensitivity 696 CPM

Standard Equipment:

Standard Equipment: Higher Volume Sampler
 Location & Location ID: Au Tau abutment next to Yoho Town Phase 2
 Equipment Ref: AM 7
 Last Calibration Date: 20 May 2007

Equipment Calibration Results:

Calibration Date: 22 June 2007

Hour	Time	Temp °C	RH %	Concentration in mg/m ³ (Standard Equipment)	Total Count (Calibrated Equipment)	Count/Minute (Total Count/60min)
1	13:12 ~ 14:12	32.3	74	0.133	3615	60.3
1	14:15 ~ 15:15	31.7	77	0.139	3680	61.3
1	15:20 ~ 16:20	31.3	79	0.122	3206	53.4

Sensitivity Adjustment Scale Setting (Before Calibration) 696 (CPM)

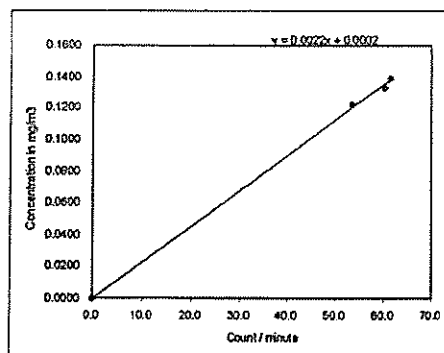
Sensitivity Adjustment Scale Setting (After Calibration) 696 (CPM)

Linear Regression of Y or X

Slope (K-factor): 0.0021

Correlation Coefficient 0.9994

Validity of Calibration Record 25 June 2007



Operator: Ben Tam Signature: [Signature] Date: 25 June 2007

QC Reviewer: (Ben) Wong Signature: [Signature] Date: 25 June 2007

Equipment Calibration Record

Equipment Calibrated:

Type: Laser Dust monitor
 Manufacturer: Sibata
 Serial No. 362337
 Equipment Ref: EQ094
 Sensitivity 722 CPM

Standard Equipment:

Standard Equipment: Higher Volume Sampler
 Location & Location ID: Au Tau abutment next to Yoho Town Phase 2
 Equipment Ref: AM 7
 Last Calibration Date: 20 May 2007

Equipment Calibration Results:

Calibration Date: 22 June 2007

Hour	Time	Temp °C	RH %	Concentration in mg/m ³ (Standard Equipment)	Total Count (Calibrated Equipment)	Count/Minute (Total Count/60min)
1	13:12 ~ 14:12	32.3	74	0.133	3613	60.2
1	14:15 ~ 15:15	31.7	77	0.139	3872	64.5
1	15:20 ~ 16:20	31.3	79	0.122	3204	53.4

Sensitivity Adjustment Scale Setting (Before Calibration) 722 (CPM)

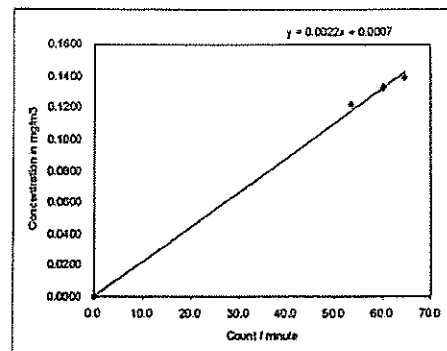
Sensitivity Adjustment Scale Setting (After Calibration) 722 (CPM)

Linear Regression of Y or X

Slope (K-factor): 0.0022

Correlation Coefficient 0.9987

Validity of Calibration Record 25 June 2007



Operator: Ben Tam Signature: [Signature] Date: 25 June 2007

QC Reviewer: [Signature] Signature: [Signature] Date: 25 June 2007

Equipment Calibration Record

Equipment Calibrated:

Type: Laser Dust monitor
 Manufacturer: Sibata
 Serial No. 362352
 Equipment Ref: EQ095
 Sensitivity 709 CPM

Standard Equipment:

Standard Equipment: Higher Volume Sampler
 Location & Location ID: Au Tau abutment next to Yoho Town Phase 2
 Equipment Ref: AM 7
 Last Calibration Date: 20 May 2007

Equipment Calibration Results:

Calibration Date: 22 June 2007

Hour	Time	Temp °C	RH %	Concentration in mg/m ³ (Standard Equipment)	Total Count (Calibrated Equipment)	Count/Minute (Total Count/60min)
1	13:12 ~ 14:12	32.3	74	0.133	3641	60.7
1	14:15 ~ 15:15	31.7	77	0.139	3863	64.4
1	15:20 ~ 16:20	31.3	79	0.122	3247	54.1

Sensitivity Adjustment Scale Setting (Before Calibration) 709 (CPM)

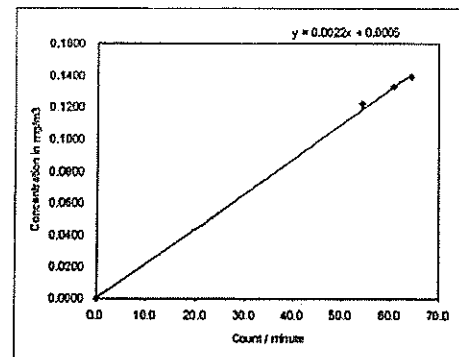
Sensitivity Adjustment Scale Setting (After Calibration) 709 (CPM)

Linear Regression of Y or X

Slope (K-factor): 0.0022

Correlation Coefficient 0.9992

Validity of Calibration Record 25 June 2007



Operator: Ben Tam Signature: [Signature] Date: 25 June 2007

QC Reviewer: Ken Wong Signature: [Signature] Date: 25 June 2007

TSP SAMPLER CALIBRATION CALCULATION SPREADSHEET

Location :	No.68 Ho Pui Village	Date of Calibration: 1-Apr-08
Location ID :	ASR14 (A1(a))	Next Calibration Date: 1-Jul-08
Technician: Mr. Ben Tam		

CONDITIONS

Sea Level Pressure (hPa)	1016.4	Corrected Pressure (mm Hg)	762.3
Temperature (°C)	17.0	Temperature (K)	290

CALIBRATION ORIFICE

Make->	TISCH	Qstd Slope ->	1.54431
Model->	515N	Qstd Intercept ->	-0.01988

CALIBRATION

Plate No.	H2O (L) (in)	H2O (R) (in)	H2O (in)	Qstd (m3/min)	I (chart)	IC corrected	LINEAR REGRESSION
18	4.9	4.9	9.8	2.071	54	55.57	Slope = 38.8367 Intercept = -25.0953 Corr. coeff. = 0.9991
13	3.9	3.9	7.8	1.849	46	47.34	
10	3.2	3.2	6.4	1.676	38	39.11	
7	2.4	2.4	4.8	1.453	30	30.87	
5	1.2	1.2	2.4	1.031	15	15.44	

Calculations :

$$Qstd = 1/m[\text{sqrt}(H2O(Pa/Pstd)(Tstd/Ta))-b]$$

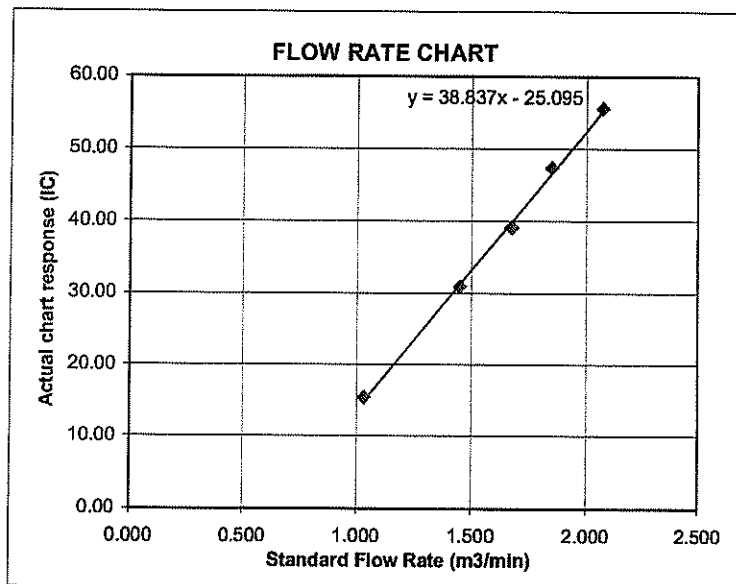
$$IC = I[\text{sqrt}(Pa/Pstd)(Tstd/Ta)]$$

Qstd = standard flow rate
 IC = corrected chart responses
 I = actual chart response
 m = calibrator Qstd slope
 b = calibrator Qstd intercept
 Ta = actual temperature during calibration (deg K)
 Pstd = actual pressure during calibration (mm Hg)

For subsequent calculation of sampler flow:

$$1/m((I) [\text{sqrt}(298/Tav)(Pav/760)]-b)$$

m = sampler slope
 b = sampler intercept
 I = chart response
 Tav = daily average temperature
 Pav = daily average pressure



TSP SAMPLER CALIBRATION CALCULATION SPREADSHEET

Location :	No.1 Ma On Kong Village	Date of Calibration:	1-Apr-08
Location ID :	ASR15 (A2)	Next Calibration Date:	1-Jul-08
		Technician: Mr. Ben Tam	

CONDITIONS

Sea Level Pressure (hPa)	1016.4	Corrected Pressure (mm Hg)	762.3
Temperature (°C)	17.0	Temperature (K)	290

CALIBRATION ORIFICE

Make->	TISCH	Qstd Slope ->	1.54431
Model->	515N	Qstd Intercept ->	-0.01988

CALIBRATION

Plate No.	H2O (L) (in)	H2O (R) (in)	H2O (in)	Qstd (m3/min)	I (chart)	IC corrected	LINEAR REGRESSION Slope = 41.9129 Intercept = -31.2563 Corr. coeff. = 0.9978
18	4.8	4.8	9.6	2.050	52	53.52	
13	3.6	3.6	7.2	1.777	43	44.25	
10	2.9	2.9	5.8	1.596	35	36.02	
7	2.2	2.2	4.4	1.392	27	27.79	
5	1.4	1.4	2.8	1.113	14	14.41	

Calculations :

$$Qstd = 1/m[\text{Sqrt}(H2O(Pa/Pstd)(Tstd/Ta))-b]$$

$$IC = I[\text{Sqrt}(Pa/Pstd)(Tstd/Ta)]$$

Qstd = standard flow rate

IC = corrected chart responses

I = actual chart response

m = calibrator Qstd slope

b = calibrator Qstd intercept

Ta = actual temperature during calibration (deg K)

Pstd = actual pressure during calibration (mm Hg)

For subsequent calculation of sampler flow:

$$1/m((I)[\text{Sqrt}(298/Tav)(Pav/760)]-b)$$

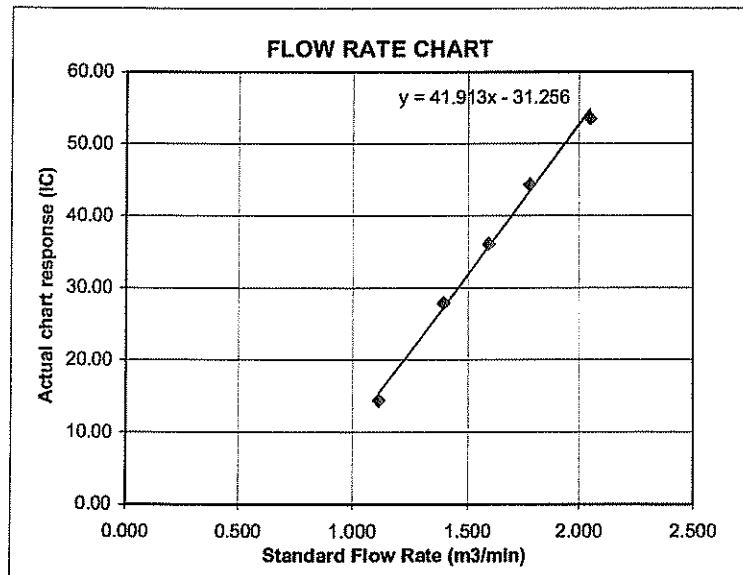
m = sampler slope

b = sampler intercept

I = chart response

Tav = daily average temperature

Pav = daily average pressure



Appendix D

The HOKLAS-Accreditation Certificate



Hong Kong Accreditation Service
香港認可處

Certificate of Accreditation
認可證書

This is to certify that
特此證明

ALS TECHNICHEM (HK) PTY LIMITED

11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, New Territories, Hong Kong
香港葵涌永業街1-3號忠信針織中心11樓

has been accepted by the HKAS Executive, on the recommendation of the Accreditation Advisory Board, as a
為香港認可處執行機關根據認可諮詢委員會建議而接受的

HOKLAS Accredited Laboratory
「香港實驗所認可計劃」認可實驗所

This laboratory meets the requirements of ISO / IEC 17025 : 2005 – General requirements for the competence
此實驗所符合ISO / IEC 17025 : 2005 – (測試及校正實驗所能力的通用規定) 所訂的要求，
of testing and calibration laboratories and it has been accredited for performing specific tests or calibrations as
獲認可進行載於香港實驗所認可計劃(認可實驗所名冊)內下述測試類別中的指定
listed in the HOKLAS Directory of Accredited Laboratories within the test category of
測試或校正工作

Environmental Testing
環境測試

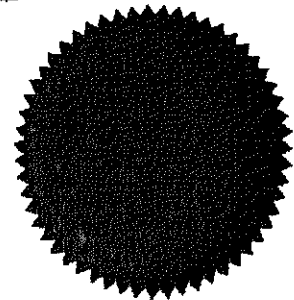
This laboratory is accredited in accordance with the recognised International Standard ISO / IEC 17025 : 2005.
本實驗所乃根據公認的國際標準 ISO / IEC 17025 : 2005 獲得認可。
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory
這項認可資格顯示在指定範疇所需的技術能力及實驗所質量管理體系的運作
quality management system (refer Joint ISO-ILAC-IAF Communiqué dated 18 June 2005).
(見國際標準化組織、國際實驗所認可合作組織及國際認可論壇於二零零五年六月十八日的聯合公報)。

The common seal of the Hong Kong Accreditation Service is affixed hereto by the authority of the HKAS Executive
香港認可處根據認可處執行機關的權限在此蓋上通用印章

CHAN Sing Sing, Terence, Executive Administrator
執行幹事 陳成城
Issue Date : 3 May 2006
簽發日期：二零零六年五月三日

Registration Number : **HOKLAS 066**
註冊號碼：

Date of First Registration : 15 September 1995
首次註冊日期：一九九五年九月十五日



Appendix E

The Baseline Monitoring Schedule

Date		Air Quality-TSP		Noise	Water Quality	Ecology
		1-Hr	24-Hr			
18-Mar-08	Tue					
19-Mar-08	Wed					
20-Mar-08	Thu					
21-Mar-08	Fri					
22-Mar-08	Sat					
23-Mar-08	Sun					
24-Mar-08	Mon					
25-Mar-08	Tue					
26-Mar-08	Wed					
27-Mar-08	Thu					
28-Mar-08	Fri					
29-Mar-08	Sat					
30-Mar-08	Sun					
31-Mar-08	Mon					
01-Apr-08	Tue					
02-Apr-08	Wed					
03-Apr-08	Thu					
04-Apr-08	Fri					
05-Apr-08	Sat					
06-Apr-08	Sun					
07-Apr-08	Mon					
08-Apr-08	Tue					
09-Apr-08	Wed					
10-Apr-08	Thu					
11-Apr-08	Fri					
12-Apr-08	Sat					
13-Apr-08	Sun					
14-Apr-08	Mon					
15-Apr-08	Tue					
16-Apr-08	Wed					
17-Apr-08	Thu					
18-Apr-08	Fri					
19-Apr-08	Sat					
20-Apr-08	Sun					
21-Apr-08	Mon					
22-Apr-08	Tue					
23-Apr-08	Wed					
24-Apr-08	Thu					
25-Apr-08	Fri					
26-Apr-08	Sat					
27-Apr-08	Sun					
28-Apr-08	Mon					
29-Apr-08	Tue					
30-Apr-08	Wed					
1-May-08	Thu					
2-May-08	Fri					
3-May-08	Sat					
4-May-08	Sun					
5-May-08	Mon					
6-May-08	Tue					
7-May-08	Wed					
8-May-08	Thu					
9-May-08	Fri					
10-May-08	Sat					
11-May-08	Sun					
12-May-08	Mon					
13-May-08	Tue					

Baseline Monitoring Schedule						
Date		Air Quality-TSP		Noise	Water Quality	Ecology
		1-Hr	24-Hr			
14-May-08	Wed					
15-May-08	Thu					
16-May-08	Fri					
17-May-08	Sat					
18-May-08	Sun					
19-May-08	Mon					

	Monitoring Day
	Sunday or Public Holiday

Appendix F
Monitoring Results Data

24-Hour TSP Monitoring

Baseline 24-Hour TSP Monitoring Results – ASR14 (A1(a))

DATE	SAMPLE NUMBER	ELAPSED TIME			CHART READING			AVG TEMP (°C)	AVG PRESS (hPa)	STANDARD FLOW RATE (m ³ /min)	AIR VOLUME (std m ³)	INITIAL FILTER WEIGHT (g)	FINAL FILTER WEIGHT (g)	WEIGHT DUST COLLECTED (g)	DUST 24-Hour TSP (µg/m ³)
		INITIAL	FINAL	(min)	MIN	MAX	AVG								
1-Apr-08	SL70	338.79	361.80	1380.60	29	31	30.0	17.0	1016.4	1.43	1975	3.5520	3.6076	0.0556	28
2-Apr-08	SL89	361.80	385.33	1411.80	29	31	30.0	18.4	1016.3	1.43	2017	3.5171	3.5798	0.0627	31
3-Apr-08	SM33	385.33	409.78	1467.00	29	31	30.0	18.6	1015.1	1.43	2095	3.5836	3.6355	0.0519	24
4-Apr-08	SL94	409.78	434.23	1467.00	29	31	30.0	20.3	1014.8	1.43	2091	3.5743	3.6386	0.0643	30
5-Apr-08	SM59	434.23	457.61	1402.80	29	31	30.0	22.6	1016.2	1.42	1996	3.5789	3.6446	0.0667	32
6-Apr-08	SM38	457.61	481.44	1429.80	29	31	30.0	23.7	1014.3	1.42	2031	3.5536	3.6020	0.0484	23
7-Apr-08	SM42	481.44	504.81	1402.20	29	31	30.0	25.4	1010.9	1.42	1987	3.5791	3.6146	0.0355	17
8-Apr-08	SM44	504.81	527.83	1381.20	29	31	30.0	26.4	1007.5	1.41	1954	3.5744	3.5873	0.0129	6
9-Apr-08	SM48	527.83	550.86	1381.80	29	31	30.0	26.3	1008.0	1.41	1955	3.5689	3.5989	0.0300	15
10-Apr-08	SM22	550.86	575.51	1479.00	29	31	30.0	26.1	1009.2	1.42	2094	3.5336	3.5730	0.0394	18
11-Apr-08	SM24	575.51	598.88	1402.20	29	31	30.0	23.3	1010.6	1.42	1991	3.5439	3.5910	0.0471	23
12-Apr-08	SM76	598.88	622.86	1438.80	29	31	30.0	22.7	1012.1	1.42	2045	3.5866	3.6259	0.0393	19
13-Apr-08	SM79	622.86	645.88	1381.20	29	31	30.0	22.5	1012.4	1.42	1963	3.5812	3.6055	0.0243	12
14-Apr-08	SN01	645.88	669.05	1390.20	29	31	30.0	22.8	1013.2	1.42	1976	3.3451	3.3901	0.0450	22

Baseline 24-Hour TSP Monitoring Results -- ASR15 (A2)

DATE	SAMPLE NUMBER	ELAPSED TIME		CHART READING			AVG TEMP (oC)	AVG PRESS (hPa)	STANDARD FLOW RATE (m3/min)	AIR VOLUME (std m3)	INITIAL FILTER WEIGHT (g)	FINAL FILTER WEIGHT (g)	WEIGHT DUST COLLECTED (g)	DUST 24-Hour TSP ($\mu\text{g}/\text{m}^3$)
		INITIAL	FINAL	MIN	MAX	AVG								
1-Apr-08	SL68	328.90	351.92	19	21	20.0	17.0	1016.4	1.23	1699	3.5480	3.5838	0.0358	20
2-Apr-08	SL88	351.92	375.33	19	21	20.0	18.4	1016.3	1.23	1726	3.5162	3.5601	0.0439	25
3-Apr-08	SL93	375.33	399.32	19	21	20.0	18.6	1015.1	1.23	1768	3.5358	3.5756	0.0398	22
4-Apr-08	SM32	399.32	422.96	19	21	20.0	20.3	1014.8	1.23	1740	3.5652	3.5942	0.0290	16
5-Apr-08	SM60	422.96	446.30	19	21	20.0	22.6	1016.2	1.23	1716	3.5605	3.6060	0.0455	26
6-Apr-08	SM37	446.30	469.66	19	21	20.0	23.7	1014.3	1.22	1716	3.5583	3.5943	0.0360	20
7-Apr-08	SM16	469.66	492.79	19	21	20.0	25.4	1010.9	1.22	1696	3.3523	3.3746	0.0223	13
8-Apr-08	SM43	492.79	516.02	19	21	20.0	26.4	1007.5	1.22	1701	3.5652	3.5860	0.0208	12
9-Apr-08	SM47	516.02	540.10	19	21	20.0	26.3	1008.0	1.22	1764	3.5692	3.5891	0.0199	11
10-Apr-08	SM40	540.10	564.76	19	21	20.0	26.1	1009.2	1.22	1807	3.5784	3.6035	0.0251	13
11-Apr-08	SM23	564.76	588.76	19	21	20.0	23.3	1010.6	1.22	1762	3.5118	3.5474	0.0356	20
12-Apr-08	SM74	588.76	612.25	19	21	20.0	22.7	1012.1	1.22	1726	3.5939	3.6247	0.0308	17
13-Apr-08	SM91	612.25	635.90	19	21	20.0	22.5	1012.4	1.22	1738	3.3930	3.3527	0.0197	11
14-Apr-08	SK49	635.90	659.41	19	21	20.0	22.8	1013.2	1.22	1728	3.3773	3.4123	0.0350	20

Water Quality Monitoring

Water Quality Monitoring Data For KT13

Date	18-Mar-08										
	Location	Time	Depth (m)	Temp (oC)	DO (mg/L)	DOS (%)	Turbidity (NTU)	Salinity (ppt)	pH	SS (mg/L)	Ammonia N (µg/L)
W1	15:15	0.14	23.3	287	34.1	3.69	0.0	8.7	7	0.20	30
			23.3	278	32.6	3.50	0.0	8.7	7	0.20	30
W2	15:50	0.20	23.4	1.02	12.3	11.60	0.0	8.6	30	3.17	107
			23.4	0.96	11.2	12.70	0.0	8.6	30	3.17	107
W3(a)	15:10	0.10	23.3	0.94	11.9	17.30	0.0	8.5	39	4.78	140
			23.2	0.93	11.2	17.30	0.0	8.5	39	4.78	140
W4	16:15	0.07	23.6	1.00	12.1	22.60	0.0	8.6	39	6.15	152
			23.7	0.99	11.8	22.50	0.0	8.6	39	6.15	152
W5	16:34	0.07	21.9	2.26	25.9	7.35	0.0	8.5	10	8.55	15
			21.9	2.22	25.2	6.21	0.0	8.5	10	8.55	15
W6	14:40	0.50	24.4	2.77	33.2	29.90	0.0	8.7	45	9.81	173
			24.5	2.68	31.9	31.20	0.0	8.7	45	9.81	173

Date	20-Mar-08										
	Location	Time	Depth (m)	Temp (oC)	DO (mg/L)	DOS (%)	Turbidity (NTU)	Salinity (ppt)	pH	SS (mg/L)	Ammonia N (µg/L)
W1	12:15	0.04	22.0	3.10	36.1	3.02	0.0	8.7	6	0.32	19
			22.0	3.04	35.1	3.12	0.0	8.7	6	0.32	19
W2	12:00	0.08	23.2	1.81	22.0	13.90	0.0	8.7	88	5.61	274
			22.2	1.76	20.5	14.00	0.0	8.7	88	5.61	274
W3(a)	12:30	0.05	21.8	2.05	25.1	27.10	0.0	8.6	64	7.08	208
			21.8	1.90	21.0	25.50	0.0	8.6	64	7.08	208
W4	12:45	0.05	21.9	1.73	19.3	24.10	0.0	8.6	342	8.91	145
			21.7	1.65	18.4	22.80	0.0	8.6	342	8.91	145
W5	12:50	0.04	20.0	4.96	55.0	6.05	0.0	8.9	7	7.38	14
			20.0	4.91	54.3	4.34	0.0	8.9	7	7.38	14
W6	13:00	0.05	22.0	1.94	21.1	29.60	0.0	8.7	30	14.90	132
			21.9	1.79	20.1	24.00	0.0	8.7	30	14.90	132

Date	22-Mar-08										
	Location	Time	Depth (m)	Temp (oC)	DO (mg/L)	DOS (%)	Turbidity (NTU)	Salinity (ppt)	pH	SS (mg/L)	Ammonia N (µg/L)
W1	11:15	0.04	21.8	3.00	34.6	3.21	0.0	7.7	8	0.32	17
			21.8	3.06	35.8	3.17	0.0	7.7	8	0.32	17
W2	11:30	0.09	23.1	2.27	25.8	10.70	0.0	7.9	38	5.04	44
			23.1	2.15	24.7	11.40	0.0	7.9	38	5.04	44
W3(a)	11:50	0.06	22.0	2.05	23.4	26.50	0.0	7.7	110	7.42	301
			22.0	1.92	21.0	26.90	0.0	7.7	110	7.42	301
W4	12:10	0.04	21.1	1.84	20.6	23.10	0.0	7.6	31	7.42	140
			21.1	1.72	20.6	23.60	0.0	7.6	31	7.42	140
W5	12:30	0.06	19.8	5.53	60.2	5.71	0.0	8.0	17	4.00	11
			19.8	5.49	59.8	5.34	0.0	8.0	17	4.00	11
W6	12:50	0.08	21.5	2.11	24.0	21.70	0.0	7.8	29	13.60	137
			21.5	2.00	23.0	22.60	0.0	7.8	29	13.60	137

Water Quality Monitoring Data For KT13

Date	25-Mar-08										
	Location	Time	Depth (m)	Temp (oC)	DO (mg/L)	DOS (%)	Turbidity (NTU)	Salinity (ppt)	pH	SS (mg/L)	Ammonia N (ug/L)
W1	13:30	0.04	21.5	4.50	51.0	2.94	0.0	7.9	<2	0.47	19
		0.04	21.5	4.45	50.6	2.90	0.0	7.9	<2	0.47	19
W2	13:40	0.07	21.7	4.90	56.0	4.84	0.0	8.0	<2	0.21	20
		0.07	21.7	4.80	55.0	4.93	0.0	8.0	<2	0.21	20
W3(a)	13:57	0.06	21.3	2.17	24.6	7.84	0.0	7.7	18	5.66	63
		0.06	21.3	2.03	23.2	7.76	0.0	7.7	18	5.66	63
W4	14:12	0.06	21.4	2.14	24.6	8.45	0.0	7.7	18	5.67	63
		0.06	21.4	2.06	23.4	8.12	0.0	7.7	18	5.67	63
W5	14:26	0.07	20.7	5.59	62.8	4.73	0.0	8.1	<2	8.61	18
		0.07	20.7	5.46	61.4	4.71	0.0	8.1	<2	8.61	18
W6	14:44	0.04	21.0	2.54	28.8	16.40	0.0	7.7	18	10.70	65
		0.04	21.0	2.42	27.4	15.90	0.0	7.7	18	10.70	65

Date	27-Mar-08										
	Location	Time	Depth (m)	Temp (oC)	DO (mg/L)	DOS (%)	Turbidity (NTU)	Salinity (ppt)	pH	SS (mg/L)	Ammonia N (ug/L)
W1	09:30	0.10	20.5	4.28	47.7	2.25	0.0	7.9	2	0.02	18
		0.10	20.5	4.23	47.1	2.30	0.0	7.9	2	0.02	18
W2	09:45	0.05	20.9	1.11	14.0	35.70	0.0	7.8	70	16.90	183
		0.05	20.9	1.05	12.0	37.20	0.0	7.8	70	16.90	193
W3(a)	10:15	0.03	20.5	1.93	19.7	81.50	0.0	8.1	100	46.00	270
		0.03	20.5	1.85	20.3	83.00	0.0	8.1	100	46.00	270
W4	10:30	0.03	20.6	1.60	16.5	19.30	0.0	7.6	39	11.50	118
		0.03	20.6	1.37	15.6	20.10	0.0	7.6	39	11.50	118
W5	10:45	0.02	19.9	7.31	84.0	3.99	0.0	8.1	<2	6.70	12
		0.02	19.7	6.40	72.9	3.97	0.0	8.1	<2	6.70	12
W6	11:00	0.04	20.5	2.14	24.5	15.60	0.0	7.8	18	16.00	79
		0.04	20.5	2.06	23.0	15.60	0.0	7.8	18	16.00	79

Date	29-Mar-08										
	Location	Time	Depth (m)	Temp (oC)	DO (mg/L)	DOS (%)	Turbidity (NTU)	Salinity (ppt)	pH	SS (mg/L)	Ammonia N (ug/L)
W1	09:25	0.11	20.0	4.36	49.0	3.03	0.0	7.8	4	0.31	21
		0.11	20.0	4.29	47.9	2.97	0.0	7.8	4	0.31	21
W2	09:40	0.07	21.1	1.17	14.6	37.60	0.0	7.8	59	16.80	203
		0.07	21.1	1.16	13.0	36.90	0.0	7.8	59	16.80	203
W3(a)	10:10	0.03	20.6	1.90	20.1	69.90	0.0	8.1	82	49.40	251
		0.03	20.6	1.77	18.8	70.30	0.0	8.1	82	49.40	251
W4	10:20	0.05	21.0	1.68	17.8	22.90	0.0	7.5	26	11.90	99
		0.05	21.0	1.57	16.3	20.80	0.0	7.5	26	11.90	99
W5	10:35	0.04	20.0	6.83	75.8	4.72	0.0	8.0	<2	6.50	11
		0.04	20.0	6.48	73.4	4.66	0.0	8.0	<2	6.50	11
W6	10:50	0.04	20.3	2.09	23.3	18.80	0.0	7.9	13	14.20	65
		0.04	20.3	2.01	22.1	19.70	0.0	7.9	13	14.20	65

DSD Contract No. DC/2007/17 - Drainage Improvement Works in Cheung Po, Ma On Kong, Yuen Kong San Tsuen and Tin Sam Tsuen of Yuen Long District and Sewerage at Tseng Tau Chung Tsuen, Tuen Mun.
Baseline Monitoring Report (KT13)



Water Quality Monitoring Data For KT13

Date	1-Apr-08		Depth (m)	Temp (°C)		DO (mg/L)		DOS (%)		Turbidity (NTU)		Salinity (ppt)		pH		SS (mg/L)		Ammonia N (µg/L)		Zinc (µg/L)	
	Time	Temp (°C)		DO (mg/L)	DOS (%)	Turbidity (NTU)	Salinity (ppt)	pH	SS (mg/L)	Ammonia N (µg/L)	Zinc (µg/L)	Time	Temp (°C)	DO (mg/L)	DOS (%)	Turbidity (NTU)	Salinity (ppt)	pH	SS (mg/L)	Ammonia N (µg/L)	Zinc (µg/L)
W1	11:55	20.7	3.58	40.0	7.96	0.0	6.6	7	0.31	16	20.7	20.7	3.48	39.3	8.05	0.0	6.6	7	0.31	16	
		20.6	3.48	38.6	8.13	0.0	6.6	7	0.31	16											
W2	12:05	20.6	1.41	15.8	15.40	0.0	6.4	34	14.50	101	20.6	20.6	1.40	15.6	14.95	0.0	6.4	34	14.50	101	
		20.5	1.39	15.3	14.50	0.0	6.4	34	14.50	101											
W3(a)	12:40	20.5	1.25	13.9	21.10	0.0	6.6	40	29.60	110	20.5	20.5	1.24	13.8	20.60	0.0	6.6	40	29.60	110	
		20.3	1.23	13.7	20.10	0.0	6.6	40	29.60	110											
W4	12:20	20.3	1.59	17.6	19.40	0.0	6.7	30	26.40	94	20.3	20.3	1.58	17.4	19.20	0.0	6.7	30	26.40	94	
		18.9	5.29	57.0	7.31	0.0	7.0	3	5.43	22											
W5	13:00	18.9	5.20	55.8	7.51	0.0	7.0	3	5.43	22	18.9	18.9	5.25	56.4	7.41	0.0	7.0	3	5.43	22	
		20.0	2.19	24.1	22.10	0.0	7.0	24	39.20	78											
W6	13:20	20.0	2.16	23.8	22.60	0.0	7.0	24	39.20	78	20.0	20.0	2.18	24.0	22.35	0.0	7.0	24	39.20	78	
		20.2	2.51	27.1	23.00	0.0	7.4	33	21.10	98											

Date	3-Apr-08		Depth (m)	Temp (°C)		DO (mg/L)		DOS (%)		Turbidity (NTU)		Salinity (ppt)		pH		SS (mg/L)		Ammonia N (µg/L)		Zinc (µg/L)	
	Time	Temp (°C)		DO (mg/L)	DOS (%)	Turbidity (NTU)	Salinity (ppt)	pH	SS (mg/L)	Ammonia N (µg/L)	Zinc (µg/L)	Time	Temp (°C)	DO (mg/L)	DOS (%)	Turbidity (NTU)	Salinity (ppt)	pH	SS (mg/L)	Ammonia N (µg/L)	Zinc (µg/L)
W1	09:50	21.0	3.40	39.0	8.24	0.0	6.9	4	0.26	23	21.0	21.0	3.34	38.2	8.14	0.0	6.9	4	0.26	23	
		20.8	3.28	37.4	8.03	0.0	6.9	4	0.26	23											
W2	10:10	20.8	1.80	20.9	17.60	0.0	7.0	47	6.76	134	20.8	20.8	1.73	20.3	17.20	0.0	7.0	47	6.76	134	
		20.4	1.65	19.6	16.80	0.0	7.0	47	6.76	134											
W3(a)	09:30	20.4	1.52	17.9	18.90	0.0	7.3	71	9.68	157	20.4	20.4	1.48	16.6	19.10	0.0	7.3	71	9.68	157	
		20.6	1.43	15.3	19.30	0.0	7.3	71	9.68	157											
W4	10:30	20.5	1.90	21.9	19.40	0.0	7.2	36	12.50	118	20.6	20.6	1.87	21.2	19.20	0.0	7.2	36	12.50	118	
		19.2	1.84	20.5	19.00	0.0	7.2	36	12.50	118											
W5	10:50	19.2	6.21	70.6	6.67	0.0	7.2	<2	6.30	10	19.2	19.2	6.14	70.2	6.68	0.0	7.2	<2	6.30	10	
		20.2	2.76	28.3	6.69	0.0	7.2	<2	6.30	10											
W6	11:10	20.2	2.76	28.3	24.20	0.0	7.4	33	21.10	98	20.2	20.2	2.84	27.7	23.60	0.0	7.4	33	21.10	98	
		20.2	2.51	27.1	23.00	0.0	7.4	33	21.10	98											

Date	5-Apr-08		Depth (m)	Temp (°C)		DO (mg/L)		DOS (%)		Turbidity (NTU)		Salinity (ppt)		pH		SS (mg/L)		Ammonia N (µg/L)		Zinc (µg/L)	
	Time	Temp (°C)		DO (mg/L)	DOS (%)	Turbidity (NTU)	Salinity (ppt)	pH	SS (mg/L)	Ammonia N (µg/L)	Zinc (µg/L)	Time	Temp (°C)	DO (mg/L)	DOS (%)	Turbidity (NTU)	Salinity (ppt)	pH	SS (mg/L)	Ammonia N (µg/L)	Zinc (µg/L)
W1	12:25	25.8	3.29	40.5	7.54	0.0	6.9	5	0.57	18	25.8	25.8	3.24	39.8	7.83	0.0	6.9	5	0.57	18	
		26.2	3.19	39.0	8.11	0.0	6.9	5	0.57	18											
W2	12:40	26.2	1.60	20.0	23.10	0.0	6.9	36	8.08	113	26.2	26.2	1.55	19.2	23.20	0.0	6.9	36	8.08	113	
		25.4	1.49	18.3	23.30	0.0	6.9	36	8.08	113											
W3(a)	13:25	25.4	2.52	30.9	20.60	0.0	6.9	45	8.72	128	25.4	25.4	2.46	29.9	20.85	0.0	6.9	45	8.72	128	
		25.7	2.39	28.9	21.10	0.0	6.9	45	8.72	128											
W4	12:55	25.7	1.33	16.3	18.50	0.0	6.9	42	10.90	149	25.7	25.7	1.32	15.8	18.55	0.0	6.9	42	10.90	149	
		25.8	1.30	15.3	18.60	0.0	6.9	42	10.90	149											
W5	13:10	25.8	4.54	56.3	7.79	0.0	7.2	2	7.73	15	25.8	25.8	4.48	55.1	7.64	0.0	7.2	2	7.73	15	
		26.5	4.42	53.8	7.48	0.0	7.2	2	7.73	15											
W6	12:10	26.5	2.05	25.8	25.50	0.0	7.0	15	13.20	59	26.5	26.5	1.98	24.6	25.70	0.0	7.0	15	13.20	59	
		26.5	1.90	23.3	25.90	0.0	7.0	15	13.20	59											

Water Quality Monitoring Data For KT13

Date	Location	Time	Depth (m)	Temp (°C)		DO (mg/L)	DOS (%)	Turbidity (NTU)		Salinity (ppt)	pH		SS (mg/L)	Ammonia N (µg/L)		Zinc (µg/L)
				24.6	24.6			9.36	9.12		7.0	7.0		0.39	0.39	
8-Apr-08	W1	09:30	0.06	24.6	24.6	3.54	40.2	9.36	9.12	0.0	5	7.0	5	0.39	0.39	23
				24.6	24.6	3.33	39.7	8.87	0.0	5	7.0	0.39	5	7.0	5	0.39
	W2	09:50	0.09	25.0	25.0	2.24	24.9	18.50	18.75	0.0	42	7.0	42	14.80	14.80	140
				25.0	25.0	2.18	24.0	19.00	0.0	42	7.0	14.80	42	7.0	42	14.80
	W3(a)	10:10	0.07	24.1	24.1	1.54	18.1	20.20	20.10	0.0	42	7.4	42	30.20	30.20	156
				24.1	24.1	1.49	17.3	20.00	0.0	42	7.4	30.20	42	7.4	42	30.20
	W4	10:35	0.07	24.8	24.8	2.01	22.8	17.60	17.30	0.0	31	7.3	31	27.20	27.20	115
				24.8	24.8	1.88	20.9	17.00	0.0	31	7.3	27.20	31	7.3	31	27.20
	W5	10:45	0.08	23.9	23.9	6.31	72.7	7.04	6.81	0.0	<2	7.2	<2	2.47	2.47	11
				23.9	23.9	6.89	70.4	6.57	0.0	7.2	7.2	2.47	<2	7.2	<2	2.47
	W6	11:05	0.04	25.2	25.2	2.57	30.6	25.50	24.65	0.0	24	7.3	24	40.80	40.80	84
				25.2	25.2	2.50	29.4	23.80	0.0	24	7.3	40.80	24	7.3	24	40.80

Date	Location	Time	Depth (m)	Temp (°C)		DO (mg/L)	DOS (%)	Turbidity (NTU)		Salinity (ppt)	pH		SS (mg/L)	Ammonia N (µg/L)		Zinc (µg/L)
				30.3 <th>30.3 <th>8.64 <th>8.38 <td>7.0</td> <td>7.0</td> <td>0.38</td> <td>0.38</td> <td>14</td> <td>14</td> </th></th></th>	30.3 <th>8.64 <th>8.38 <td>7.0</td> <td>7.0</td> <td>0.38</td> <td>0.38</td> <td>14</td> <td>14</td> </th></th>			8.64 <th>8.38 <td>7.0</td> <td>7.0</td> <td>0.38</td> <td>0.38</td> <td>14</td> <td>14</td> </th>	8.38 <td>7.0</td> <td>7.0</td> <td>0.38</td> <td>0.38</td> <td>14</td> <td>14</td>		7.0	7.0		0.38	0.38	
10-Apr-08	W1	12:25	0.12	30.3	30.3	2.69	36.1	8.64	8.38	0.0	5	7.0	5	0.38	0.38	14
				30.3	30.3	2.60	34.2	8.12	0.0	5	7.0	0.38	5	7.0	5	0.38
	W2	12:40	0.10	30.8	30.8	1.56	21.0	29.80	28.45	0.0	59	7.0	59	7.46	7.46	149
				30.8	30.8	1.48	19.7	27.10	0.0	59	7.0	7.46	59	7.0	59	7.46
	W3(a)	11:35	0.08	30.2	30.2	1.05	14.4	19.90	20.60	0.0	118	7.2	118	14.80	14.80	302
				30.2	30.2	0.94	11.8	21.30	0.0	118	7.2	14.80	118	7.2	118	14.80
	W4	11:50	0.09	29.5	29.5	1.18	15.7	17.40	17.45	0.0	5	6.8	5	8.06	8.06	20
				29.5	29.5	1.15	14.7	17.50	0.0	5	6.8	8.06	5	6.8	5	8.06
	W5	12:00	0.10	30.6	30.6	4.38	58.8	6.99	6.94	0.0	3	7.3	3	7.35	7.35	12
				30.6	30.6	4.32	57.2	6.89	0.0	3	7.3	7.35	3	7.3	3	7.35
	W6	11:20	0.04	30.8	30.8	0.93	12.7	22.10	22.75	0.0	80	7.7	80	55.30	55.30	182
				30.8	30.8	0.87	11.4	23.40	0.0	80	7.7	55.30	80	7.7	80	55.30

Date	Location	Time	Depth (m)	Temp (°C)		DO (mg/L)	DOS (%)	Turbidity (NTU)		Salinity (ppt)	pH		SS (mg/L)	Ammonia N (µg/L)		Zinc (µg/L)
				29.8	29.8			9.52	9.15 <td>7.1</td> <td>7.1</td> <td>0.44</td> <td>0.44</td> <td>14</td> <td>14</td>		7.1	7.1		0.44	0.44	
12-Apr-08	W1	12:35	0.10	29.8	29.8	2.66	35.7	9.52	9.15	0.0	8	7.1	8	0.44	0.44	14
				29.8	29.8	2.60	34.1	8.77	0.0	8	7.1	0.44	8	7.1	8	0.44
	W2	12:55	0.09	30.3	30.3	1.52	20.7	26.40	25.80	0.0	40	7.0	40	7.74	7.74	118
				30.3	30.3	1.47	19.7	25.20	0.0	40	7.0	7.74	40	7.0	40	7.74
	W3(a)	11:40	0.08	30.0	30.0	1.01	14.1	17.70	17.00	0.0	100	7.1	100	16.20	16.20	304
				30.0	30.0	0.97	12.0	16.30	0.0	100	7.1	16.20	100	7.1	100	16.20
	W4	11:55	0.10	29.7	29.7	1.15	14.8	15.80	15.50	0.0	<2	7.0	<2	7.70	7.70	14
				29.7	29.7	1.06	13.7	15.20	0.0	<2	7.0	7.70	<2	7.0	<2	7.70
	W5	12:10	0.10	29.8	29.8	4.58	60.1	4.98	5.00	0.0	3	7.4	3	5.30	5.30	<10
				29.8	29.8	4.33	58.2	5.01	0.0	3	7.4	5.30	3	7.4	3	5.30
	W6	11:30	0.03	30.1	30.1	1.01	13.2	23.90	24.25	0.0	68	7.7	68	48.60	48.60	204
				30.1	30.1	0.91	12.4	24.60	0.0	68	7.7	48.60	68	7.7	68	48.60

24 Hours Continuous Noise Monitoring

2.5 -----
Br J & KJ
Sound Level Meter Type 2238
Logging E27124 ver. 1.2.0

FILENAME: 048.N24
SETTINGS:
Serial no: 2285721
Range: 30.0 - 110.0 dB
Peaks (over): 1/0 dB
2nd Exch. Rate: 4 dB
Period Time: Normal
Logging Every: 05:00
Detector 1 (RMS)
Bandwidth: Broad Band
Freq. Wgt: A
Detector 2 (br. Band)
Weighting: Peak/C
Sound Incidence: Frontal
Windscreen Correction: Off

CALIBRATION:
Micr.: Unspec
Sensitivity: 29.7 dB
Date: 2008 Apr 22 10:08:23

OVERALL RESULTS:
Start Date: 2008 Apr 30
Start Time: 11:49:00
Elapsed Time: 05:08:22
Overload: 0.0 %
Underrange: 0.0 %

RMS MEASUREMENT RESULTS:
Bandwidth: Broad Band
Freq. Wgt.: A

L1Max: 104.1 dB
L1Min: 99.8 dB
L1Max: 105.5 dB
L1Min: 48.9 dB
L2Max: 49.5 dB
L2Min: 49.2 dB
L3Max: 74.1 dB
L3Min: 64.5 dB
L1Eq: 72.6 dB

PEAK MEASUREMENT RESULTS:
Freq. Wgt.: C
#Peaks: 0
L1kmax: 116.4 dB

LOOKED RESULTS (1 of 1):
Marker L1eq L1A10 L1A50 L1A1Min L1A1Max
0 78.9 74.0 50.5 104.1 49.5

51.2 51.0 50.0 70.4 49.5
52.8 52.5 50.0 67.6 49.5
50.3 50.5 49.5 54.5 49.2
51.1 50.5 49.5 64.3 48.9
52.4 52.0 49.5 68.6 49.2

50.1	50.5	49.5	55.7	49.1
50.7	51.0	49.5	61.8	49.2
50.9	51.0	49.5	61.0	49.2
52.0	51.5	49.5	66.8	49.2
51.6	51.0	49.5	64.5	48.9
57.9	58.0	49.5	77.1	49.1
54.2	51.0	49.5	74.6	49.1
69.4	67.0	50.0	90.2	49.3
53.8	54.0	51.5	67.3	50.3
56.9	54.0	51.5	76.4	50.4
56.1	55.5	51.5	71.9	50.8
54.5	54.5	51.5	68.2	50.5
54.6	54.5	51.5	68.9	50.5
54.6	54.5	52.0	68.6	50.8
53.5	53.5	51.5	68.2	50.5
54.0	53.5	51.5	68.6	50.4
53.7	54.0	51.5	64.4	50.5
56.2	54.5	52.0	73.7	50.8
51.1	51.0	51.5	68.6	50.5
53.4	53.0	51.0	70.5	50.2
69.1	67.0	51.5	90.2	50.5
58.9	53.5	51.0	87.7	50.4
61.7	56.0	51.5	89.6	50.2
58.0	56.5	51.5	78.2	50.0
56.3	55.0	51.0	76.0	50.1
54.2	54.0	51.0	68.6	50.3
54.9	54.5	51.5	70.3	50.7
53.7	54.0	51.5	64.7	50.5
54.8	54.0	51.0	73.3	49.9
53.7	54.0	51.5	63.3	50.4
55.8	57.5	52.0	68.5	50.6
55.5	54.0	51.5	73.5	50.5
55.1	54.5	52.0	73.7	51.0
55.1	55.5	52.0	67.9	50.9
56.1	57.0	52.0	72.8	50.8
53.7	54.0	51.5	72.8	50.8
50.4	58.0	52.0	78.5	50.0
55.8	55.5	52.0	73.5	50.8
54.8	55.0	52.0	67.2	50.7
54.0	54.0	52.0	64.2	50.7
54.3	54.0	52.0	64.2	50.7
55.0	56.0	52.0	64.0	50.9
55.0	56.5	52.0	68.0	50.6
54.3	56.0	52.0	66.7	50.8
56.1	58.0	52.0	70.7	50.9
57.1	58.0	52.0	73.0	50.9
54.6	54.0	51.5	70.9	50.7
55.0	54.0	51.5	71.9	50.4
53.7	54.5	52.0	67.1	50.5
55.9	56.0	52.5	71.7	51.0
55.1	56.5	52.5	68.4	50.8
56.9	56.0	51.5	75.4	50.8
77.8	81.5	51.5	97.1	50.5

Br J & KJ
Sound Level Meter Type 2238
Logging E27124 ver. 1.2.0
FILTERNAME: OSO.N24

SETTINGS:
Serial no: 2285721
Range: 30.0 - 110.0 dB
Peaks (over): 1/0 dB
2nd Exch. Rate: 4 dB
Period Time: Normal
Logging Every: 05:00
Detector 1 (RMS)
Bandwidth: Broad Band

Freq. Wgt.: A
Detector 2 (Br.Band)
Weighting: Peak/C
Sound Incidence: Frontal
Windscreen Correction: Off

CALIBRATION:
Micr.: Unspec
Sensitivity: -29.7 dB
Date: 2008 Apr 22 10:08:23

OVERALL RESULTS:
Start Date: 2008 May 03
Start Time: 11:31:50
Elapsed Time: 84:23:51
Overload: 0.0 %
Underrange: 0.0 %

RMS MEASUREMENT RESULTS:
Bandwidth: Broad Band
Freq. Wgt.: A
f-Flax: 97.5 dB
f-SHax: 94.3 dB
f-LFlax: 104.0 dB
f-MIn: 46.1 dB
f-SHIn: 46.8 dB
f-LFlIn: 46.6 dB
f-AP7ms: 70.6 dB
Leq: 58.9 dB
Leq: 69.6 dB

PEAK MEASUREMENT RESULTS:
Freq. Wgt.: C
#Peaks: 0
Lpkmax: 116.6 dB

MARKED RESULTS (1 of 1):

Marker	L10	LAF90	LAP99	L10Max	L10Min
001234	dB	dB	dB	dB	dB
58.7	59.0	51.5	76.4	50.6	50.6
54.2	54.0	51.5	72.0	50.6	50.6
54.1	55.0	51.5	65.7	50.6	50.6
53.9	55.0	51.5	64.4	50.5	50.5
55.1	57.0	51.5	70.2	50.8	50.8
57.0	57.0	50.0	75.2	50.8	50.8
54.0	54.0	51.5	64.7	50.6	50.6
54.4	54.5	51.5	72.6	50.6	50.6
59.5	54.5	51.5	72.6	50.9	50.9
55.3	51.9	51.5	61.6	50.3	50.3
52.2	51.3	51.5	72.3	50.4	50.4
54.0	54.0	51.5	70.3	50.4	50.4
54.9	54.3	51.5	66.2	50.5	50.5
55.9	55.0	51.5	71.7	50.9	50.9
51.9	55.0	51.5	67.4	50.9	50.9
57.4	57.0	51.5	77.9	50.6	50.6
58.7	58.0	51.5	65.9	50.6	50.6
59.3	59.0	51.5	66.3	50.6	50.6
53.8	54.5	51.5	63.2	50.7	50.7
55.0	54.0	51.5	63.5	50.2	50.2
53.0	54.0	51.5	60.8	50.2	50.2
53.0	54.5	51.5	72.0	50.9	50.9
59.2	57.0	51.5	67.6	50.7	50.7

53.9	54.5	52.0	67.0	50.7	50.7
54.8	54.5	51.5	68.1	50.5	50.5
58.3	60.0	52.0	76.7	50.7	50.7
55.8	57.0	51.5	69.1	50.5	50.5
56.0	56.0	52.0	73.1	50.6	50.6
54.8	56.5	52.0	66.4	50.5	50.5
55.1	54.5	51.5	71.2	50.3	50.3
55.5	55.0	51.5	73.5	50.3	50.3
55.4	56.0	52.5	67.5	50.8	50.8
54.8	55.3	52.5	69.4	51.1	51.1
54.5	55.3	52.5	65.1	50.9	50.9
54.9	56.0	53.0	65.1	51.1	51.1
54.9	55.5	53.0	66.3	51.3	51.3
54.9	55.5	52.5	68.0	51.0	51.0
54.2	57.5	53.0	71.5	51.2	51.2
54.2	55.0	52.0	61.9	50.5	50.5
53.7	54.5	51.5	62.8	50.5	50.5
55.0	55.5	51.5	70.9	50.4	50.4
53.5	53.5	51.5	66.4	50.3	50.3
54.0	54.0	51.5	65.7	50.5	50.5
55.9	54.0	51.5	83.0	50.6	50.6
54.0	54.0	51.5	69.0	50.4	50.4
54.1	54.0	51.5	67.1	50.4	50.4
53.3	54.0	51.5	63.4	50.5	50.5
58.1	57.0	51.5	79.6	50.3	50.3
53.4	54.0	51.5	64.5	50.3	50.3
53.7	54.0	51.5	66.2	50.3	50.3
56.6	57.5	52.0	80.1	50.7	50.7
64.1	64.5	51.0	88.0	50.1	50.1
67.2	66.0	52.0	92.8	50.8	50.8
68.3	65.0	51.5	93.3	49.9	49.9
54.5	54.5	51.0	70.1	49.9	49.9
52.1	51.5	50.5	60.6	49.8	49.8
53.0	54.0	50.5	67.2	49.6	49.6
53.0	51.0	51.0	65.6	49.5	49.5
53.5	51.0	51.5	59.2	50.7	50.7
56.0	57.0	52.0	68.4	50.8	50.8
53.2	54.5	52.0	72.2	50.7	50.7
53.1	54.5	52.0	71.0	50.7	50.7
53.5	51.5	52.0	72.6	50.5	50.5
53.7	51.0	52.0	69.4	50.9	50.9
68.1	72.5	51.0	84.1	50.2	50.2
53.2	55.5	50.5	68.0	50.1	50.1
52.2	52.5	50.5	63.2	49.8	49.8
52.1	52.5	50.5	66.5	50.2	50.2
56.1	56.5	51.0	72.6	50.1	50.1
53.1	53.5	51.0	67.1	50.1	50.1
60.8	56.0	51.0	87.6	50.3	50.3
53.0	53.0	51.0	70.1	50.1	50.1
52.5	54.0	50.5	67.9	50.1	50.1
55.6	55.0	50.5	79.6	50.1	50.1
55.5	55.9	50.5	84.2	50.1	50.1
54.8	57.5	50.5	68.9	50.0	50.0
52.8	53.5	50.5	69.6	50.0	50.0
64.1	65.0	51.0	88.8	49.7	49.7
58.5	58.0	49.0	85.0	48.2	48.2
59.1	64.5	49.0	97.5	48.2	48.2
70.7	77.0	49.0	91.7	48.3	48.3
63.3	59.5	49.0	92.0	48.3	48.3
58.3	59.5	50.5	71.8	49.9	49.9
55.3	55.5	50.5	71.8	49.9	49.9
52.2	52.5	50.5	64.8	49.6	49.6
52.2	52.5	50.0	67.0	49.7	49.7
54.2	54.5	50.5	72.4	49.6	49.6
57.8	55.5	50.5	82.8	49.8	49.8
61.9	55.0	50.5	94.5	49.7	49.7
53.5	53.5	50.0	72.2	49.6	49.6
50.9	54.5	50.0	60.1	49.3	49.3

51.6	52.0	50.0	64.3	49.4
64.8	57.0	50.0	85.5	49.6
63.7	59.5	52.0	83.6	50.6
62.8	55.5	53.0	89.4	52.5
54.6	54.5	53.5	66.1	53.3
54.5	55.0	53.5	62.2	53.0
54.6	54.5	53.5	68.0	53.1
54.8	54.5	53.5	69.1	52.9
53.9	54.0	53.0	63.2	52.7
59.5	57.0	53.0	80.7	52.4
54.1	54.0	53.0	66.3	52.5
53.7	53.5	53.0	64.8	52.5
63.5	56.5	53.0	86.2	52.3
53.4	53.5	52.5	65.3	52.2
52.9	53.0	52.5	57.0	52.0
58.2	53.0	52.5	84.9	52.0
52.9	53.0	52.5	59.7	51.8
54.0	53.0	52.0	68.8	51.4
53.7	53.0	52.0	71.4	51.2
51.9	52.0	51.5	53.2	51.1
60.5	55.0	51.5	81.5	50.9
52.9	52.0	51.0	67.5	50.7
52.2	51.5	51.0	67.8	50.4
52.4	51.5	50.5	66.4	50.1
67.0	54.5	50.5	93.5	49.9
50.6	51.0	50.0	54.3	49.7
54.3	51.0	50.0	75.7	49.7
51.8	52.0	50.0	62.6	49.3
52.2	51.5	49.5	67.0	49.3
50.8	50.5	49.5	64.9	49.1
52.1	54.0	49.5	64.7	48.8
50.2	50.0	49.5	59.1	48.9
50.7	50.0	49.5	62.7	48.8
49.6	50.0	49.0	52.1	48.8
50.7	50.5	49.0	63.7	48.0
50.5	50.0	49.0	62.8	48.7
65.4	50.5	49.0	82.5	48.6
50.7	50.5	49.0	63.5	48.6
49.7	49.5	49.0	61.5	48.0
49.6	50.0	49.0	53.4	48.7
50.1	50.0	49.0	63.4	48.0
53.2	50.5	49.0	71.7	48.7
50.7	50.0	49.0	69.8	48.6
49.5	49.5	49.0	66.2	48.6
49.6	50.0	49.0	52.3	48.7
49.7	50.0	49.0	56.3	48.8
49.9	50.0	49.5	56.9	49.0
49.9	50.0	49.5	52.8	49.0
50.0	50.0	49.5	55.3	49.1
50.5	50.5	49.5	59.1	49.0
69.2	66.5	49.5	89.0	49.0
70.0	56.0	49.5	91.5	49.0
54.7	51.0	49.5	76.6	48.9
49.9	50.0	49.5	53.7	49.1
49.9	50.0	49.5	51.5	49.0
51.2	50.5	49.5	65.7	49.1
50.4	50.0	49.5	70.5	49.0
49.9	50.0	49.5	55.1	49.1
49.9	50.0	49.5	50.9	49.1
55.3	50.0	49.5	65.9	49.1
52.5	50.5	49.5	65.9	49.1
50.2	50.5	49.5	57.1	49.0
49.8	50.0	49.5	53.5	49.0
49.9	50.0	49.5	52.5	49.0
67.3	56.5	49.5	91.9	48.9
64.9	57.0	49.5	89.5	49.1
67.4	67.0	49.0	90.3	48.8
50.2	50.0	49.5	63.3	48.9
50.4	50.0	49.5	63.2	49.0
49.8	50.0	49.5	51.8	48.9
50.7	52.0	49.5	59.2	49.1
50.0	50.0	49.5	57.5	49.1
49.8	50.0	49.5	52.0	48.9
49.8	50.0	49.5	52.0	48.9
49.8	50.0	49.5	51.7	48.9

50.2	50.0	49.5	59.4	49.0
49.6	50.0	49.5	51.6	49.0
49.9	50.0	49.5	53.4	48.9
49.9	50.0	49.5	56.2	49.0
50.0	50.0	49.5	51.7	49.2
50.1	50.5	49.5	51.8	49.1
50.1	50.5	49.5	51.6	49.2
51.0	50.5	49.5	65.4	49.3
50.0	50.0	49.5	51.9	49.0
50.2	50.5	49.5	52.3	49.4
50.2	50.5	49.5	52.2	49.2
50.2	50.5	49.5	52.1	49.3
50.1	50.0	49.5	52.0	49.2
50.1	50.5	49.5	52.7	49.2
50.2	50.5	49.5	52.0	49.2
50.1	50.5	49.5	52.4	49.2
50.0	50.5	49.5	52.3	49.2
50.3	50.5	49.5	52.8	49.4
51.0	51.0	49.5	62.5	49.4
50.1	50.5	49.5	52.5	49.3
50.4	50.5	49.5	57.5	49.4
50.7	51.0	49.5	59.0	49.3
51.0	51.5	50.0	60.7	49.4
52.2	55.0	49.5	61.0	49.2
52.0	54.5	50.0	60.6	49.3
52.6	54.0	50.0	60.1	49.3
55.2	55.0	50.0	66.9	49.5
55.2	55.0	50.0	77.3	49.5
50.7	51.0	49.5	60.7	49.3
52.2	54.5	50.5	63.5	49.3
51.4	52.5	50.0	61.8	49.2
51.9	54.0	50.0	62.5	49.5
51.5	52.5	50.0	59.0	49.5
52.4	54.0	50.5	57.8	49.7
52.6	54.5	50.5	59.7	49.8
51.1	52.0	50.0	63.9	49.4
50.7	51.5	50.0	65.1	49.4
50.9	51.5	50.0	57.6	49.5
51.4	52.5	50.0	57.5	49.6
51.0	51.5	50.0	58.0	49.6
51.8	51.0	50.0	71.0	49.4
50.4	50.5	50.0	54.5	49.6
51.3	52.5	50.0	61.4	49.5
50.6	51.0	50.0	55.2	49.3
50.6	51.0	50.0	54.3	49.5
50.9	51.0	50.0	55.1	49.4
51.0	52.0	50.0	60.7	49.4
51.5	53.0	50.0	59.9	49.5
54.7	54.0	50.0	71.9	49.4
50.8	52.0	50.0	54.5	49.3
52.3	53.5	50.0	57.5	49.4
52.6	53.5	50.0	67.0	49.5
53.0	53.5	51.5	66.8	50.2
60.8	58.5	47.5	85.7	46.7
62.6	61.5	50.0	87.7	47.4
69.2	53.0	50.0	90.4	49.4
51.0	51.5	50.0	59.9	49.6
52.0	53.5	50.0	63.7	49.6
53.9	55.0	51.5	64.2	50.5
53.3	54.0	51.5	57.3	50.7
53.4	54.0	51.5	64.1	50.7
53.4	54.0	51.5	58.4	50.7
53.3	54.0	51.5	57.4	50.9
53.3	54.0	51.5	55.8	50.9
53.3	54.0	51.5	52.0	50.9
53.3	54.0	51.5	51.5	50.7

54.0	54.5	50.5	72.1	50.0
55.0	54.5	50.5	79.8	49.7
51.1	51.5	50.5	59.7	49.9
51.5	52.5	59.1	50.1	50.1
52.2	51.0	60.5	50.2	50.2
51.4	51.5	50.5	65.2	50.3
52.8	53.0	51.0	56.9	50.3
52.4	53.0	51.0	65.4	50.4
53.8	54.5	51.5	70.2	50.4
53.8	54.5	52.0	63.8	51.0
63.8	58.5	51.0	86.1	50.1
58.5	60.0	50.5	79.9	49.9
51.1	51.5	50.5	55.0	49.7
58.7	52.5	50.5	86.2	49.9
51.1	51.0	50.5	61.9	49.9
50.8	51.0	50.0	60.0	49.7
56.8	54.0	51.0	80.7	49.8
60.9	55.5	50.0	80.1	49.3
51.6	50.5	49.5	56.8	48.8
50.1	50.5	49.5	64.4	49.2
50.6	51.5	49.5	56.1	49.1
50.0	50.5	49.5	54.9	49.0
50.2	51.0	49.5	55.9	48.9
49.9	50.0	49.5	60.3	48.6
50.1	50.5	49.5	54.9	48.7
52.1	53.0	49.0	57.2	48.7
50.5	50.5	49.5	64.5	48.7
50.6	51.0	49.5	64.8	48.9
60.9	52.0	49.5	83.0	49.0
57.7	52.0	49.5	81.5	48.8
61.4	51.5	49.0	82.7	48.6
49.9	50.0	49.5	60.4	48.0
51.8	53.5	49.5	63.7	49.1
51.7	53.0	49.5	64.3	48.8
51.0	52.0	49.5	62.8	48.7
50.1	50.5	49.5	55.4	48.9
50.7	51.5	49.5	59.3	48.8
51.0	51.5	49.5	61.3	48.7
50.4	51.5	49.5	56.7	48.7
51.1	51.0	49.5	70.1	48.7
51.8	52.0	49.5	68.0	48.8
50.1	50.5	49.0	58.8	48.6
51.8	51.5	49.0	66.7	48.7
51.0	52.0	49.5	64.5	48.3
50.6	52.0	49.5	55.8	48.8
51.0	50.0	49.0	68.4	48.8
50.9	53.5	49.0	58.6	48.6
60.4	54.0	49.5	87.8	49.1
50.7	51.5	49.0	67.7	48.7
59.5	54.0	49.5	84.0	48.7
51.7	52.0	49.5	64.0	48.7
50.9	51.0	50.5	61.3	49.0
51.3	51.0	50.0	57.6	50.0
51.8	51.0	50.0	64.6	49.6
51.4	52.5	50.5	65.5	49.8
52.0	52.5	50.5	65.0	49.9
52.8	53.5	50.5	69.5	50.1
52.0	53.5	50.5	68.5	50.0
52.0	54.9	50.5	68.4	49.9
52.0	54.5	50.5	68.4	50.5
52.6	54.5	52.0	63.1	50.5
52.6	54.5	52.0	62.1	50.7
54.2	54.5	51.5	68.8	50.6
53.6	54.5	52.0	65.8	50.6
54.0	54.0	51.5	62.9	49.7
53.8	54.5	51.5	61.5	49.8

54.5	55.5	51.0	68.9	49.6
55.8	54.0	50.5	68.3	49.7
62.0	55.0	49.0	86.3	48.6
53.4	51.5	49.0	79.5	48.1
52.2	53.5	49.0	64.9	48.4
50.3	50.5	49.0	63.3	48.7
53.8	54.0	49.0	76.8	48.6
49.6	50.0	49.0	58.8	48.4
51.8	53.5	49.0	72.2	48.5
61.9	50.0	49.0	64.4	48.4
49.9	50.0	49.0	59.6	48.6
51.7	53.0	49.0	64.4	48.4
52.7	53.5	50.5	57.2	49.5
53.0	51.0	51.0	57.2	49.3
53.0	53.5	50.5	65.0	49.3
52.2	53.0	50.0	55.0	48.6
51.5	50.5	49.0	70.4	48.6
50.7	52.5	49.0	57.1	48.1
53.0	53.5	49.0	67.6	49.3
54.1	54.5	51.0	65.2	49.8
54.4	54.0	51.0	74.2	49.8
53.5	53.5	49.5	87.6	48.6
62.7	53.5	49.5	62.6	48.8
52.9	53.5	50.5	63.5	49.8
53.8	54.0	51.0	65.2	49.8
53.7	54.5	51.5	72.8	49.9
52.9	53.5	51.0	61.8	49.9
61.8	56.0	51.0	84.5	49.9
53.6	54.0	51.0	64.8	49.9
54.5	54.5	51.0	69.7	49.9
53.8	54.0	51.5	65.9	50.3
53.9	54.0	51.5	67.0	50.5
53.5	54.0	51.5	60.9	50.8
53.6	51.0	51.5	63.9	50.6
53.7	54.0	51.5	63.5	50.6
54.0	54.0	51.5	65.5	50.6
53.3	51.5	52.0	63.2	50.7
53.1	51.5	52.0	63.6	50.5
53.4	54.0	51.5	58.0	50.7
53.5	54.0	51.5	64.3	50.7
53.5	54.0	51.5	71.5	50.6
56.8	59.0	52.0	81.6	50.7
65.1	65.0	58.0	90.6	57.3
61.0	69.5	51.0	92.0	48.0
51.0	53.0	48.0	65.2	47.6
50.9	51.0	48.0	66.8	47.6
59.1	59.0	48.5	83.1	49.0
51.4	51.5	50.0	62.6	49.5
50.6	51.0	50.0	53.3	49.0
52.4	52.5	50.0	70.6	49.4
51.3	51.5	50.0	62.5	49.5
54.1	54.5	50.0	71.2	49.5
51.0	51.5	50.0	58.4	49.6
55.0	55.0	51.0	69.8	49.0
51.9	52.5	51.0	60.3	50.8
53.2	52.5	51.0	66.0	50.6
52.4	52.5	51.0	63.3	50.6
51.6	52.0	51.0	61.7	50.5
55.4	53.0	51.0	76.5	50.5
66.0	53.5	51.5	86.4	50.8
65.1	56.0	51.0	86.6	50.6
52.2	52.0	50.0	65.7	50.6
51.1	50.9	50.0	56.9	49.6
50.9	51.5	50.0	57.4	49.5
51.4	51.5	50.0	64.0	49.5
51.3	51.5	50.0	63.8	49.5
62.7	53.0	50.0	85.5	49.4
50.5	50.5	50.0	52.1	49.4

51.0	51.0	51.0	51.0	62.5	49.6
50.6	51.0	50.0	50.0	54.7	49.5
51.2	51.0	50.0	64.4	49.6	
50.6	50.5	50.0	57.5	49.5	
51.8	51.0	50.0	67.1	49.5	
52.2	51.0	50.0	68.5	49.5	
50.3	50.5	50.0	53.4	49.5	
67.5	55.5	50.0	91.0	49.5	
63.5	51.5	50.0	87.1	49.4	
50.8	51.0	50.0	62.1	49.5	
51.3	51.5	50.0	61.3	49.6	
50.8	51.0	50.0	55.6	49.7	
50.9	51.0	50.0	59.6	49.7	
56.1	53.0	50.0	79.1	49.6	
50.9	51.0	50.0	60.8	49.7	
65.0	67.5	50.0	83.4	49.5	
63.1	63.0	50.0	81.8	49.6	
51.5	52.0	50.0	63.1	49.7	
54.0	53.5	50.0	72.9	49.6	
54.4	53.0	50.0	75.2	49.8	
64.6	51.0	50.0	89.1	49.6	
50.8	51.0	50.0	88.7	49.4	
71.1	72.5	50.0	91.3	49.6	
70.3	70.5	50.5	80.7	49.9	
50.5	50.5	50.0	54.5	49.5	
51.8	51.0	50.0	67.2	49.7	
50.5	50.5	50.0	57.7	49.5	
50.4	50.5	50.0	51.8	49.5	
54.2	51.5	50.0	74.8	49.6	
50.5	50.5	50.0	57.1	49.4	
52.0	51.0	50.0	64.9	49.6	
51.4	51.5	50.0	64.3	49.8	
50.8	50.5	50.0	56.9	49.7	
50.6	51.0	50.0	57.4	49.7	
50.5	50.5	50.0	53.9	49.6	
50.7	51.0	50.0	60.4	49.8	
50.5	51.0	50.0	87.2	49.8	
50.2	51.0	50.0	29.3	49.6	
50.4	50.5	50.0	35.8	49.5	
50.6	50.5	50.0	52.1	49.4	
51.9	51.0	50.0	67.9	49.5	
50.3	50.5	50.0	66.5	49.4	
50.4	50.5	50.0	51.7	49.3	
51.0	51.0	50.0	63.1	49.6	
50.7	50.5	50.0	51.9	49.5	
50.7	50.5	50.0	60.8	49.4	
51.1	50.5	50.0	64.1	49.5	
50.9	50.5	50.0	51.9	49.4	
51.4	50.5	50.0	68.4	49.4	
50.5	50.5	50.0	54.7	49.4	
50.7	50.5	50.0	60.3	49.5	
50.3	50.5	50.0	51.9	49.5	
51.1	50.5	50.0	65.1	49.5	
51.7	51.0	50.0	66.7	49.3	
50.4	50.5	50.0	54.9	49.5	
50.5	51.0	50.0	51.2	49.5	
50.6	51.0	50.0	51.8	49.3	
50.2	50.5	49.5	51.7	49.3	
50.5	50.5	50.0	60.8	49.4	
50.3	50.5	50.0	52.0	49.4	
50.2	50.5	50.0	56.4	49.4	
50.4	50.5	50.0	53.3	49.6	

53.7	51.0	50.0	75.3	49.4
50.5	50.5	50.0	57.0	49.5
51.3	51.0	50.0	67.4	49.5
50.5	50.5	50.0	52.6	49.5
50.3	50.5	50.0	55.2	49.5
50.3	50.5	50.0	52.2	49.4
50.3	50.5	50.0	52.2	49.5
50.3	50.5	50.0	54.4	49.4
50.3	50.5	50.0	53.2	49.5
51.3	51.5	50.0	68.2	49.6
53.4	51.5	50.0	68.0	49.2
50.4	50.5	50.0	59.5	49.4
51.2	51.0	50.0	58.7	49.4
51.9	51.0	50.0	61.3	49.3
52.3	56.0	50.0	62.8	49.4
50.2	50.5	50.0	52.5	49.4
51.9	52.5	50.0	58.9	49.3
53.2	56.0	50.0	62.6	49.2
51.9	53.5	50.0	59.6	49.5
53.2	56.0	50.0	61.9	49.5
51.9	53.5	50.0	60.5	49.3
51.5	53.0	50.0	62.5	49.4
52.7	54.0	50.0	66.8	49.5
51.5	52.5	50.5	57.4	49.5
50.9	51.5	50.0	56.1	49.8
51.8	52.0	50.0	67.5	49.8
54.7	53.0	50.5	72.3	49.8
50.7	51.0	50.0	54.5	49.8
56.7	59.0	50.5	73.5	49.9
59.0	59.5	58.0	64.6	57.4
61.1	59.5	48.5	88.7	48.1
49.4	50.0	48.5	58.6	47.9
65.0	61.5	50.0	88.4	48.3
50.9	51.0	50.5	55.6	50.0
51.7	53.0	50.5	77.2	50.3
56.8	54.5	51.0	66.8	50.4
54.4	55.5	51.0	65.5	50.7
51.1	51.5	52.0	63.5	51.2
54.9	56.0	52.0	62.0	51.1
54.8	56.0	52.0	66.8	51.1
56.1	59.0	52.5	67.1	51.3
55.4	56.5	52.0	65.0	51.2
54.7	55.0	53.0	69.4	51.9
55.9	58.0	52.5	65.0	51.7
59.1	58.5	53.0	80.7	51.9
55.9	56.0	52.5	68.5	51.5
54.5	54.5	52.5	60.7	51.2
54.0	54.5	52.5	61.8	51.4
54.0	54.5	52.5	59.6	51.5

0

54.1	54.5	52.0	68.3	51.2
55.6	73.7	51.5	73.7	51.5
72.2	78.8	51.5	90.7	50.4
63.6	51.0	88.3	50.3	50.6
72.0	51.5	51.0	92.9	50.3
61.4	53.0	50.5	87.9	50.0
53.6	51.5	51.0	70.1	50.3
53.2	52.5	51.0	68.6	50.7
51.3	51.5	50.5	58.7	50.1
53.2	52.5	50.5	67.7	49.7
51.6	51.5	50.5	64.8	49.8
51.8	52.0	50.5	61.8	49.0
71.1	69.7	50.5	91.4	49.8
70.8	63.5	50.0	92.6	49.6
68.0	56.0	50.0	90.0	49.6
54.4	56.0	50.5	68.1	49.7
53.3	51.0	51.5	59.5	50.4
54.1	51.5	52.0	71.6	50.5
56.5	57.5	51.5	70.8	50.5
55.3	51.5	52.0	65.0	50.7
54.0	51.5	52.0	65.0	50.6
67.3	54.5	52.0	91.8	50.9
54.5	54.5	51.0	66.8	50.5
54.4	51.5	50.5	72.8	50.2
54.3	52.5	50.5	70.6	50.7
54.1	51.0	51.0	66.1	50.1
52.3	52.0	51.0	65.1	50.1
51.9	51.5	50.5	66.1	49.8
58.0	52.5	50.0	78.4	49.6
54.1	54.5	50.5	67.6	49.9
53.6	51.0	50.5	67.3	49.7
54.0	51.5	52.0	62.6	50.8
54.0	51.5	52.5	64.5	50.0
53.4	51.5	51.5	59.9	50.1
53.7	51.0	51.5	66.8	50.0
53.2	51.0	51.5	60.1	50.2
53.3	51.0	51.5	61.7	50.3
53.5	51.0	51.5	66.5	50.4
53.5	51.0	51.5	65.0	50.5
53.8	51.0	50.5	66.8	49.7
54.0	53.0	50.0	73.1	49.0
53.5	53.5	50.0	71.2	49.5
53.2	56.0	50.0	75.0	49.3
51.7	53.5	50.0	72.0	49.1
52.1	52.0	50.0	68.7	49.5
54.9	54.5	51.5	94.7	50.2
70.2	62.5	52.5	94.9	50.0
71.0	57.5	50.5	94.8	49.5
53.1	53.5	50.0	68.1	49.4
51.9	52.5	50.0	65.3	49.4
51.8	59.0	50.0	75.1	49.5
53.6	54.0	50.5	69.5	49.4
53.8	51.5	50.5	65.5	49.5
53.8	51.5	50.5	72.9	49.8
53.5	51.5	50.5	69.1	50.8
52.9	53.5	52.0	78.8	50.7
53.9	53.5	52.0	71.2	50.9
56.9	57.0	50.5	74.4	49.9
57.0	58.5	51.5	71.7	50.2
54.0	54.5	52.0	63.4	50.5
54.4	51.5	51.5	68.0	50.4
58.8	61.0	51.5	83.5	50.4
52.1	55.5	50.5	62.8	49.4
55.4	52.5	50.5	75.3	49.6
58.0	59.0	50.5	74.3	49.7
54.4	52.5	52.0	62.9	50.8
57.7	60.5	52.5	73.4	50.8

56.3	55.0	52.0	73.5	50.6
58.8	59.0	51.5	75.8	50.5
55.8	57.0	51.5	74.3	50.2
57.3	56.5	50.5	73.8	49.6
56.2	54.5	50.5	77.8	49.9
59.0	58.5	51.0	68.2	50.3
54.6	55.0	51.5	67.8	50.1
55.2	57.0	51.5	72.6	50.1
57.7	58.0	50.5	76.0	49.8
51.6	53.0	50.0	60.9	49.5
57.5	56.5	51.5	75.6	50.2
55.1	55.5	52.0	70.5	50.7
57.6	58.5	52.0	77.2	50.7
58.6	57.0	52.0	74.9	50.5
51.4	55.0	52.5	66.8	50.9
54.6	56.5	52.0	73.2	50.7
60.1	61.5	53.0	75.6	51.0
51.0	51.5	51.5	65.2	50.5
51.2	51.5	51.5	66.0	50.6
56.5	57.5	52.0	73.9	50.8
55.1	56.0	53.0	63.8	51.2
55.2	56.0	52.5	68.2	51.3
55.0	55.5	53.0	65.6	51.5
70.2	63.0	51.0	88.7	50.2
63.9	59.0	51.0	88.7	50.2
54.6	55.5	50.5	69.2	50.1
52.5	52.5	50.5	65.8	50.2
53.5	53.5	50.5	64.0	50.0
61.6	59.5	50.5	85.3	49.9
70.9	68.5	51.0	90.6	50.1
71.6	66.5	51.5	95.1	50.8
65.8	63.0	58.0	91.9	57.0
59.1	59.5	58.0	70.6	57.6
61.7	61.0	58.0	78.7	57.6
59.4	59.0	58.0	74.6	49.3
57.5	57.0	48.5	83.1	47.8
50.3	53.0	48.5	66.4	48.0
50.9	50.5	48.5	63.4	47.7
51.1	53.5	48.0	68.3	47.5
51.1	53.5	48.0	66.4	47.6
50.0	50.5	48.0	62.6	47.6
52.2	52.0	48.5	68.1	47.7
51.1	51.5	48.5	89.3	49.7
68.2	61.5	50.5	59.9	50.2
53.5	54.5	50.5	68.1	49.1
52.4	53.5	50.0	64.3	49.1
53.0	54.5	49.5	65.4	49.0
53.1	54.5	50.0	69.5	49.3
52.7	53.5	50.0	66.1	49.3
53.3	54.5	50.0	66.2	49.3
51.2	52.0	49.5	64.9	49.1
51.5	52.0	49.5	66.0	49.2
52.5	53.5	50.0	64.8	49.0
53.1	54.0	50.0	71.2	49.3
52.0	53.0	50.0	63.0	49.5
69.8	57.0	51.0	92.1	49.9
54.5	51.5	52.5	63.2	51.6
54.0	51.5	53.0	62.1	52.2
54.5	55.0	53.0	64.8	52.2
53.5	53.0	52.0	66.3	51.4
54.3	54.0	52.0	72.6	51.3
52.9	54.0	51.5	71.4	51.1
54.3	54.0	51.5	61.8	51.0
54.3	54.0	51.5	72.4	50.7
53.2	54.0	51.0	65.0	50.5
53.4	54.0	51.0	67.2	50.5
52.5	53.5	50.5	63.4	49.7
53.3	53.5	50.5	70.4	49.8

52.0	53.0	50.5	63.3	49.8
51.6	52.5	50.0	62.9	49.0
51.5	51.5	49.0	66.3	48.7
51.2	51.0	49.0	63.7	48.3
49.4	50.0	48.5	56.6	48.1
52.5	50.5	48.5	81.0	47.9
50.2	50.5	48.5	64.7	47.7
51.1	51.0	48.5	64.7	48.2
51.4	50.5	48.5	67.3	47.8
48.9	49.5	47.5	56.5	46.9
52.4	52.5	48.0	71.1	47.1
49.6	50.5	48.0	61.8	47.5
52.8	52.5	48.0	71.0	47.5
50.8	51.0	48.0	64.7	46.8
50.1	51.5	47.5	63.9	46.9
53.2	51.5	47.5	77.2	46.4
49.0	50.0	47.5	60.1	46.4
48.5	49.5	47.0	58.5	46.8
48.5	49.5	47.0	58.5	46.7
72.1	65.5	47.0	84.1	46.6
58.7	50.0	47.0	64.7	46.8
50.6	51.0	47.0	64.7	46.8
49.2	49.5	47.0	65.3	46.6
49.1	49.0	47.0	77.7	46.7
48.1	49.0	47.0	56.3	46.4
48.1	49.0	47.0	55.1	46.3
49.7	48.0	47.0	68.7	46.4
47.4	47.5	47.0	48.8	46.5
47.7	48.0	47.0	53.6	46.5
53.0	51.0	47.5	74.1	46.7
48.4	49.0	47.5	54.2	47.0
49.1	49.5	47.5	61.4	46.8
61.9	51.5	47.5	87.1	46.7
48.9	49.5	47.5	60.2	46.7
61.3	49.0	47.5	89.3	47.0
50.1	50.5	47.5	68.2	46.8
48.0	48.0	47.5	59.7	46.8
50.3	48.5	47.5	78.9	46.8
64.5	49.5	47.5	81.7	46.8
48.5	49.5	47.5	51.9	46.9
48.7	49.0	47.0	61.6	46.9
52.6	48.5	47.5	79.6	46.9
34.3	48.5	47.5	80.7	46.9
48.6	49.0	47.5	59.6	47.0
61.8	48.5	47.5	93.4	47.0
49.4	50.5	47.5	62.2	46.8
52.5	49.0	47.5	80.0	47.1
48.7	49.5	47.5	60.3	47.1
56.2	49.5	47.5	84.9	47.0
48.6	49.0	47.0	51.4	46.8
47.8	48.0	47.0	77.7	46.9
53.0	50.0	47.5	62.0	46.8
48.7	48.5	47.0	58.0	46.8
56.4	50.5	48.0	81.1	47.3
50.5	49.5	47.5	68.5	47.2
50.0	50.0	48.0	66.1	47.2
48.4	49.0	47.5	51.8	47.1
52.3	50.0	47.5	73.2	47.2
48.3	48.5	47.5	55.7	47.1
48.5	49.0	47.5	53.0	47.3
57.7	48.5	47.5	81.3	47.1
50.5	49.5	47.5	69.4	47.1
49.6	49.5	48.0	61.6	47.4
48.4	49.0	47.5	51.7	47.2
48.2	48.5	47.5	49.8	47.0
48.4	48.5	47.5	52.7	47.3
61.1	49.5	47.5	79.7	47.2
48.4	49.0	48.0	51.2	47.2
48.4	48.5	48.0	51.5	47.2
48.4	48.5	48.0	52.0	47.4
48.4	48.5	48.0	50.9	47.4
48.3	48.5	48.0	49.8	47.4

51.9	56.0	48.0	63.2	47.4
52.0	36.0	47.5	63.6	47.3
49.3	50.0	47.5	62.7	47.3
50.8	53.5	48.0	60.4	47.3
48.3	48.5	48.0	51.3	47.4
58.4	49.0	48.0	90.3	47.4
48.9	49.0	48.0	57.6	47.3
50.9	53.5	48.0	58.2	47.3
54.7	54.0	48.0	60.6	47.4
51.3	54.0	48.0	77.1	47.4
53.9	55.0	47.5	80.9	47.3
52.6	53.5	48.0	66.8	47.5
51.1	54.0	48.0	61.1	47.5
51.3	54.0	48.0	68.2	47.7
51.5	51.5	48.5	66.1	47.7
51.8	52.0	48.5	66.4	47.6
48.7	49.0	48.0	55.2	47.6
49.4	50.0	48.0	61.5	47.5
49.2	50.0	48.0	55.7	47.5
52.4	51.5	48.0	75.1	47.4
48.7	49.0	48.0	54.4	47.4
48.5	49.0	48.0	53.1	47.4
48.9	50.5	48.0	60.7	47.4
50.0	49.5	48.5	64.6	47.9
49.4	50.0	48.5	53.3	48.0
49.8	50.5	49.0	56.4	48.2
50.0	50.0	48.5	63.5	48.2
50.0	50.5	48.5	69.5	48.4
52.0	50.5	48.5	71.0	48.2
49.7	50.0	49.0	57.0	48.4
49.4	49.5	49.0	54.6	48.4
50.5	51.5	49.0	61.5	48.3
50.9	51.0	49.0	66.0	48.5
50.3	50.5	49.0	63.6	48.6
50.2	50.5	49.0	68.3	48.1
51.2	52.5	49.5	64.4	48.5
65.0	64.5	51.0	88.2	48.6
52.0	52.5	51.0	59.8	50.3
56.5	53.0	51.0	75.8	50.2
51.4	51.5	51.0	56.3	50.3
51.4	51.5	51.0	59.4	50.4
51.6	52.0	51.0	56.8	50.4
52.7	53.5	51.0	62.8	50.7
52.0	52.0	51.5	54.6	51.0
51.9	52.0	51.5	55.5	50.9
53.3	54.0	51.5	67.1	50.9
57.3	57.5	52.0	74.7	51.1
54.7	55.0	52.0	73.2	51.4
52.9	53.5	52.0	62.2	51.3
53.2	54.0	52.0	60.0	51.4
53.7	53.0	52.0	62.7	51.5
52.9	53.0	52.0	65.1	51.5
54.3	55.5	52.5	62.5	51.7
56.5	59.0	52.0	72.7	51.7
60.2	61.5	51.5	80.4	51.0
56.8	60.5	52.0	70.2	51.0
54.8	57.0	51.5	67.6	50.9
56.8	60.5	51.5	70.0	50.9
53.1	58.0	51.5	62.6	50.7
58.0	58.0	51.5	77.6	50.7
53.4	54.5	51.0	72.5	50.8
58.7	62.5	51.5	68.7	50.5
55.3	58.0	51.0	68.7	50.6
55.2	54.0	51.0	72.2	50.3
52.7	53.5	51.0	67.4	50.3
54.0	55.5	51.0	69.4	50.7
53.9	55.5	51.0	70.5	50.6
55.0	54.5	51.0	71.8	51.5
53.0	53.5	52.0	64.0	51.3
56.7	55.0	52.0	73.0	51.3

Baseline NT13-N1

50.6	51.5	49.5	57.8	48.9
72.0	61.0	49.5	93.7	49.1
50.4	51.0	49.5	56.8	49.0
53.4	50.5	49.5	72.4	48.9
49.9	50.5	49.5	53.1	49.0
51.0	50.5	49.5	52.5	49.0
52.0	50.5	49.5	54.5	49.2
68.9	65.0	49.5	90.8	49.3
62.7	51.0	50.0	89.2	49.3
51.1	52.0	48.5	69.5	49.2
50.9	52.0	48.5	83.2	48.1
48.8	54.5	48.7	74.3	47.1
57.7	51.5	48.0	93.5	49.6
50.5	51.5	48.0	59.0	50.4
51.1	51.5	47.5	70.3	48.8
51.3	52.0	48.0	69.7	48.7
50.4	51.0	47.0	54.9	48.6
50.5	51.5	47.5	61.6	48.6
50.7	51.5	48.0	65.0	49.2
50.5	51.5	48.0	56.5	49.0
54.7	51.5	48.0	87.7	49.2
50.4	51.5	47.5	55.4	48.9
50.6	51.5	48.0	55.8	49.1
50.3	51.5	47.5	55.2	48.7
50.7	51.0	47.5	56.1	49.0
50.3	51.0	47.5	55.9	48.7
52.4	51.0	47.0	62.0	48.4
50.9	51.0	47.0	60.9	48.4
50.4	51.5	47.5	55.8	48.3
50.2	51.0	47.0	56.1	47.8
50.1	51.0	47.0	55.8	47.8
50.2	51.0	47.0	54.6	47.0
50.1	51.0	47.0	54.9	46.5
50.1	51.0	47.0	54.7	46.5
50.2	51.5	47.0	55.3	46.3
51.8	51.5	47.0	67.1	46.3
49.8	51.0	47.2	55.3	46.9
49.6	50.5	46.7	55.2	46.6
49.8	51.0	47.2	55.5	46.9
49.7	51.0	46.7	55.5	47.1
49.7	51.0	46.7	56.9	47.0
50.2	51.5	47.5	57.0	46.8
49.9	51.0	46.7	56.6	47.3
49.9	51.0	46.7	55.3	47.4
49.9	51.0	46.7	56.7	47.0
49.8	51.0	46.7	56.6	46.9
56.7	51.5	47.2	83.9	47.0
49.6	51.0	46.7	56.7	47.3
49.8	51.0	46.7	58.5	47.5
49.8	51.0	46.7	60.3	47.7
52.7	51.5	46.7	81.0	47.6
57.3	52.5	47.2	91.2	47.7
50.2	51.5	47.8	58.2	47.6
50.4	51.5	48.3	57.6	47.5
50.4	51.5	48.3	57.4	47.8
50.5	51.5	48.3	57.7	47.4
51.1	52.0	49.3	58.4	47.9
51.0	52.0	49.3	58.3	47.6
50.7	52.0	48.8	59.3	47.1
50.9	52.0	49.3	57.8	48.5
51.0	52.0	48.8	64.3	47.5
51.4	53.0	49.3	63.8	47.7
51.4	52.5	49.3	63.6	47.8
51.1	53.0	48.3	63.7	47.6
51.8	53.5	47.8	73.1	47.6

Baseline NT13-N1

56.5	57.0	48.4	77.2	47.4
51.4	55.0	48.3	68.4	47.9
54.1	56.5	49.3	78.2	47.3
54.0	56.0	50.8	75.3	47.5
53.4	55.5	51.3	63.9	47.6
52.9	55.0	50.3	65.9	47.2
52.8	55.0	49.8	66.3	46.8
56.0	54.5	50.3	73.4	46.5
55.8	57.0	49.3	77.4	47.5
57.1	60.0	50.8	68.2	47.5
57.2	61.0	50.3	73.3	47.9
55.7	59.5	49.3	68.4	47.0
52.7	58.5	49.3	67.6	46.9
53.3	58.0	49.8	71.2	47.4
53.0	58.5	48.8	70.3	46.9
52.8	58.5	48.8	73.2	47.1
53.8	57.5	48.8	70.3	47.5
53.0	58.5	49.8	68.8	47.7
51.5	57.5	49.3	72.0	47.2
56.0	58.0	50.8	72.1	48.8
57.3	61.0	49.4	72.1	48.3
55.4	57.5	50.3	73.3	48.3
57.8	61.5	51.3	73.5	48.7
55.1	58.0	50.8	70.0	48.4
56.9	58.0	50.8	71.8	48.3
54.4	57.0	50.7	76.4	47.9
60.0	56.0	50.2	91.0	48.0
56.8	55.0	52.3	78.8	50.1
54.9	57.5	52.3	76.2	48.7
52.0	53.5	51.2	65.1	48.2
55.0	56.5	51.7	78.5	48.9
53.7	55.5	51.7	73.9	49.4
56.6	58.0	51.7	75.8	50.3
56.9	60.0	51.7	77.1	49.3
55.2	57.0	51.2	73.1	49.3
56.0	58.0	51.7	76.5	49.7
53.6	54.0	50.7	74.6	49.1
53.3	53.0	51.2	73.8	50.7
54.9	56.5	51.2	78.1	49.9
53.3	51.5	51.7	72.5	50.3
55.4	57.0	52.6	78.6	51.2
56.9	58.5	52.6	84.5	50.9
56.6	59.0	53.9	76.2	50.7
56.0	55.5	52.3	80.7	50.1
53.3	52.5	51.2	86.1	50.3
58.1	60.5	52.3	83.3	51.0
60.6	63.5	53.3	79.8	51.0
52.4	53.5	51.7	73.9	50.1
56.7	60.5	53.3	76.1	50.8
53.3	55.0	53.7	71.1	49.5
55.0	56.5	52.8	73.5	50.3
57.6	57.0	53.9	80.0	50.5
62.1	67.0	54.4	87.8	50.9

Br 1 & K)
Sound Level Meter Type 2238
Logging KZ7124 ver. 1.2.0
FILENAME: 051.M24
SETTINGS:
Serial no: 2285721
Range: 30.0 - 110.0 dB
Peaks (Pr): 140 dB
2nd Exch. Rate: 4 dB

Period Time: Normal 05:00
Logged Every: 05:00
Detector 1 (RMS) Broad Band A
Bandwidth: A
Freq. Wgt.: A
Detector 2 (Br. Band) Peak/C
Weighting: Frontal
Sound Incidence: Off
Windscreen Correction: Off

CAUTION:
Micr.: Unspec
Sensitivity: -29.7 dB
Date: 2008 Apr 22 10:08:23

OVERALL RESULTS:
Start Date: 2008 May 07
Start Time: 09:56:22
Elapsed Time: 71:50:11
Overload: 0.0 %
Underrange: 0.0 %

RIS MEASUREMENT RESULTS:
Bandwidth: Broad Band A
Band. Wct.: A
LFMax: 97.4 dB
LSMax: 100.3 dB
LFMin: 103.5 dB
LSMin: 46.2 dB
LF10: 46.5 dB
LF10: 46.5 dB
LF10: 73.9 dB
Leq: 55.0 dB
Leq: 70.4 dB

PEAK MEASUREMENT RESULTS:
Freq. Rpt.: C
#Peaks: 0
LkMax: 116.6 dB

LOGGED RESULTS (1 of 1):
Marker |A#10 |A#Max |A#Min
|L#0 |L#0 |L#0 |L#0

Table with 4 columns: Marker, L#0, A#10, A#Max. Contains numerical data for various markers.

Large table with multiple columns containing numerical data, likely a continuation of the measurement results.

53.7	53.5	51.4	69.5	50.7	65.1	48.5	52.0	48.8	65.1	48.5
53.5	56.2	71.7	51.2	50.7	48.7	48.5	50.5	48.7	55.9	48.3
52.7	52.4	51.4	67.3	50.7	48.6	48.5	48.2	48.4	54.2	48.4
60.5	61.0	56.2	73.6	50.6	49.7	49.5	49.5	48.8	51.0	48.8
66.8	67.1	49.7	42.4	51.3	62.5	62.4	62.4	48.8	60.7	48.9
67.6	60.6	60.5	88.9	50.9	50.6	50.4	51.6	70.9	49.1	49.5
60.8	61.3	54.5	85.0	50.7	50.9	52.2	49.7	62.4	62.4	48.5
60.5	64.3	53.1	85.0	50.7	51.2	49.5	49.5	48.5	61.5	49.4
59.9	60.1	53.9	76.7	51.9	51.2	51.3	49.5	49.5	59.1	48.3
56.2	58.5	52.7	76.0	50.5	49.6	53.3	48.7	48.3	59.1	48.3
54.8	55.7	52.9	67.0	50.3	51.4	50.9	50.4	56.2	49.0	49.0
52.8	53.1	50.7	65.5	50.7	48.7	49.5	53.1	58.2	48.8	48.8
57.5	56.0	51.7	68.8	51.2	48.5	49.0	48.5	50.4	48.3	48.3
56.3	56.9	51.1	72.3	50.7	50.1	49.8	48.8	58.9	48.7	48.7
51.3	51.8	51.2	69.3	50.8	51.6	50.2	48.5	70.9	49.1	48.4
56.5	50.7	52.0	69.3	50.8	49.1	49.8	48.9	53.1	48.7	48.7
56.5	50.0	58.9	61.4	51.1	49.2	49.5	48.6	57.5	49.1	48.7
52.8	52.8	51.3	68.0	50.7	48.4	49.8	48.4	50.6	50.7	48.5
52.6	55.0	51.3	68.0	50.9	56.2	55.8	51.9	63.0	48.3	48.5
53.9	54.3	53.1	70.4	50.6	49.1	49.8	48.7	60.5	49.0	48.6
53.2	56.1	51.7	70.4	49.4	53.0	52.9	51.2	62.6	48.7	48.6
53.2	56.0	51.7	74.0	50.1	49.3	49.1	48.6	55.7	48.4	48.5
53.9	50.4	52.0	80.0	50.1	49.8	51.3	49.2	61.2	48.5	48.3
53.2	54.8	56.0	63.6	50.6	49.6	49.5	48.6	55.2	48.3	48.3
54.2	53.7	52.2	66.4	50.7	49.1	49.2	48.8	52.2	47.3	47.3
53.1	52.9	51.0	67.3	50.5	49.0	49.2	48.8	51.2	48.1	48.1
63.2	63.3	60.3	77.7	49.9	48.7	49.0	48.5	53.3	48.3	48.3
51.7	60.5	53.9	72.5	49.2	50.3	49.7	49.0	55.1	47.9	47.9
57.0	50.7	54.9	66.7	50.4	49.1	50.4	49.1	53.0	47.5	47.5
56.2	55.9	55.2	66.5	49.7	48.5	49.1	48.4	52.0	47.8	47.8
55.0	55.5	52.1	67.7	49.5	49.1	49.8	48.5	50.8	47.3	47.3
56.1	61.0	48.9	73.5	48.5	48.7	49.9	48.6	50.8	48.4	48.4
54.1	57.0	48.7	69.4	48.1	48.9	49.3	48.7	51.3	47.8	47.8
56.0	60.8	51.2	76.2	49.6	60.0	59.5	48.5	52.4	47.5	47.5
53.8	52.8	50.2	65.2	49.6	49.0	49.3	48.6	49.8	48.1	48.1
53.9	55.2	50.9	72.3	49.3	48.6	49.5	48.2	49.8	47.4	47.4
52.6	55.7	51.8	68.1	49.3	49.0	50.0	48.7	55.6	47.2	47.2
52.1	52.0	50.8	66.1	49.3	48.3	48.2	46.9	50.1	46.8	46.8
53.9	60.9	50.7	71.1	49.2	48.1	48.2	46.9	57.6	46.4	46.4
50.9	52.5	49.5	66.2	49.1	48.6	48.7	47.1	56.8	46.7	46.7
54.3	53.7	49.5	65.7	49.1	48.4	48.8	47.0	57.4	46.6	46.6
52.1	51.9	50.1	72.7	48.7	48.2	49.6	47.0	55.6	46.6	46.6
52.6	51.9	51.1	63.7	48.6	48.4	48.8	47.0	64.2	47.1	47.1
51.7	55.0	50.5	66.7	49.1	48.4	47.5	47.2	54.9	46.5	46.5
51.8	52.6	49.2	67.4	48.7	48.4	47.5	47.2	59.4	46.4	46.4
50.6	50.7	48.7	61.5	48.4	50.2	48.8	48.1	63.0	46.3	46.3
50.5	50.7	49.9	63.1	48.5	48.5	48.3	46.9	61.2	46.5	46.5
52.9	55.8	50.2	70.7	48.5	48.6	48.4	47.6	65.7	47.1	47.1
52.7	51.0	50.4	60.5	48.9	49.1	48.3	47.6	62.5	47.3	47.3
52.7	50.5	49.8	67.4	47.9	52.7	50.5	49.8	67.4	47.4	47.4
51.9	50.3	49.0	66.5	47.7	51.9	50.3	49.0	66.5	47.7	47.7
51.6	51.4	50.2	68.2	49.0	50.6	49.1	48.8	58.5	47.3	47.3
51.9	52.2	50.2	59.3	49.8	52.6	51.4	50.2	63.9	48.9	48.9
52.2	52.1	51.1	60.7	49.7	51.0	50.4	49.5	60.7	48.4	48.4
52.0	53.8	50.2	63.3	48.7	49.7	50.4	48.5	63.8	47.2	47.2
50.9	53.6	49.6	64.2	49.2	49.7	49.4	47.4	60.3	46.3	46.3
49.7	50.0	49.2	62.1	48.5	51.2	50.0	48.0	66.3	47.2	47.2
49.2	50.0	48.5	61.6	48.2	53.3	52.1	51.1	63.1	49.1	49.1
49.8	53.0	49.1	65.5	48.4	53.4	52.7	50.6	67.8	49.6	49.6
49.2	49.4	49.0	65.1	48.4	49.4	48.5	47.4	60.0	46.5	46.5
48.9	49.0	48.5	63.3	48.3	50.3	48.9	48.7	59.5	47.7	47.7
48.9	49.0	48.6	65.9	48.7	52.9	52.2	50.6	65.7	49.6	49.6
48.9	51.3	48.7	65.9	48.7	49.7	49.8	49.8	49.8	59.8	48.8

48.4	49.6	48.1	50.7	47.8
52.9	52.6	50.9	66.6	50.3
53.7	52.7	51.0	67.2	50.4
52.5	51.8	49.8	67.0	48.9
51.0	51.1	50.3	65.9	48.3
52.7	51.8	50.9	59.9	50.0
51.8	50.4	49.2	67.9	48.8
51.3	50.0	48.6	63.4	47.5
52.8	52.3	47.8	71.1	46.6
52.1	51.9	46.4	67.7	46.3
69.2	70.7	57.7	93.6	48.9
52.7	58.5	51.4	73.6	48.9
55.0	54.8	51.9	67.9	48.9
52.1	51.8	49.2	63.3	49.1
51.9	50.9	50.2	60.6	49.0
51.7	50.9	49.3	65.7	48.1
52.6	51.9	50.9	61.9	49.8
59.2	58.5	56.9	68.0	50.0
53.2	51.8	50.2	65.1	49.1
59.8	58.8	56.4	73.4	50.2
57.2	55.7	54.1	71.4	49.9
52.3	51.8	49.9	67.4	49.0
51.0	50.8	48.4	67.6	47.6
51.8	50.7	49.8	65.1	49.0
53.6	52.9	52.2	65.9	50.4
53.3	52.8	50.3	69.4	49.3
55.5	54.4	53.5	71.0	50.2
54.9	53.5	52.1	68.5	50.9
70.6	58.4	54.6	75.9	50.6
70.6	69.5	68.0	88.0	50.2
57.5	56.0	54.2	73.8	50.1
57.2	55.9	54.6	71.8	50.6
54.9	56.5	53.4	70.7	50.4
55.1	56.1	53.5	74.5	50.6
57.7	55.5	52.4	76.1	51.2
55.5	57.1	53.2	69.3	52.0
56.4	61.8	52.1	77.5	52.1
53.9	55.1	52.0	73.9	50.3
52.2	51.8	51.7	72.7	50.7
52.2	52.0	51.2	62.1	50.1
55.6	52.4	51.9	67.4	50.4
64.9	54.3	53.0	66.1	51.5
61.5	53.0	52.8	67.6	51.7
53.2	52.9	52.2	64.9	50.2
57.5	62.3	55.8	76.3	51.3
57.7	59.4	54.7	69.3	51.5
57.2	59.4	54.2	69.3	51.7
53.2	54.4	51.9	66.0	51.0
57.0	62.2	55.2	73.9	52.2
57.1	52.5	52.4	67.2	51.9
56.7	53.6	53.6	69.6	52.1
57.2	55.2	52.8	66.0	52.4
57.6	57.9	54.9	67.0	51.8
56.0	56.4	53.9	65.2	51.6
56.7	57.0	54.0	67.9	51.8
56.1	57.6	53.2	71.3	51.5
56.0	61.6	52.6	82.4	51.2
62.0	64.9	53.8	66.9	51.3
55.7	55.3	53.4	71.5	50.8
56.2	56.0	55.6	86.2	52.0
69.9	69.6	66.6	86.2	52.0
56.1	55.9	55.6	70.2	52.3
52.6	53.3	51.4	66.6	50.3
52.7	53.5	51.4	69.1	49.9
52.8	52.4	50.8	77.6	49.5
54.3	52.8	50.9	73.2	50.2
57.7	55.7	54.0	72.1	50.6
53.2	55.9	55.5	52.8	50.5
59.4	59.9	59.5	53.1	51.4
60.7	61.4	61.4	54.5	51.4

61.1	62.5	53.7	77.8	51.2
59.0	59.0	55.6	74.1	50.7
57.0	55.2	54.0	68.7	51.2
53.7	54.1	51.8	70.8	51.4
51.9	51.3	51.6	70.0	50.8
54.8	54.5	52.3	66.9	51.4
52.1	51.5	50.7	61.6	49.9
53.4	53.0	50.5	66.6	50.8
54.9	54.8	52.7	66.6	50.8
53.7	53.8	51.1	69.1	50.3
53.7	53.7	50.8	67.8	50.6
52.0	51.8	51.4	66.3	50.4
53.4	52.5	51.9	68.7	50.5
57.8	56.9	54.4	71.1	50.5
51.3	51.9	51.0	60.5	50.8
52.7	53.2	51.0	58.3	50.7
51.9	53.7	51.3	72.0	50.4
52.3	53.5	50.9	66.5	50.6
53.0	52.1	51.0	65.4	50.3
51.1	51.3	50.7	54.3	50.3
52.4	51.9	50.5	64.1	50.4
51.4	51.6	50.4	66.7	50.0
53.6	56.4	50.8	73.8	50.6
52.7	52.9	50.9	67.6	50.3
60.7	59.7	51.9	73.2	51.0
68.2	68.0	60.1	83.0	52.3
69.5	69.8	59.5	85.7	51.6
53.7	54.0	49.7	69.7	49.0
55.3	55.4	53.0	69.2	52.2
56.9	59.0	54.0	75.4	52.2
57.1	56.7	54.6	71.7	51.9
52.3	55.6	51.5	64.0	51.4
53.7	51.2	51.6	66.3	50.9
55.9	56.1	54.6	73.8	50.4
60.9	59.9	54.6	72.7	51.1
57.2	59.0	54.2	75.3	51.3
57.5	55.4	51.8	71.8	51.4
53.6	55.1	52.6	80.9	51.6
62.0	63.6	62.6	87.6	50.9
70.6	70.9	56.8	87.6	50.9
58.6	58.3	52.8	72.2	50.8
53.9	53.6	51.5	67.2	50.8
53.2	53.3	51.3	66.7	50.0
53.2	53.2	51.3	62.3	50.8
56.1	56.0	51.9	70.6	50.7
54.0	54.2	52.8	71.4	51.4
54.2	53.0	52.5	71.4	51.4
54.5	53.8	52.9	70.3	51.5
53.8	53.2	52.8	68.4	51.7
52.7	53.2	51.4	68.8	51.0
56.7	55.3	53.5	71.5	50.8
56.4	56.8	53.5	70.8	50.7
55.1	54.7	53.5	69.9	51.8
70.9	71.1	55.6	97.4	52.4
61.7	65.0	53.4	87.8	51.7
69.5	69.1	58.3	85.9	52.3
53.0	51.0	53.7	81.4	52.1
53.0	51.0	51.3	72.4	51.0
52.1	53.2	51.3	76.8	50.9
54.2	54.5	51.7	72.9	51.2
57.1	57.2	52.0	69.2	51.5
60.0	55.3	51.9	76.1	51.3
51.9	51.9	50.2	56.2	51.6
68.8	57.4	52.9	80.2	51.2
66.3	61.0	52.9	82.9	51.1
53.8	61.2	52.6	84.8	50.8
57.8	62.2	52.1	76.6	50.8
56.1	57.5	52.7	85.2	51.3

54.0	53.2	51.7	75.1	51.1
54.5	51.4	60.5	51.4	51.4
51.9	52.5	51.0	66.7	50.5
51.8	51.7	71.6	66.3	51.0
51.9	51.8	51.2	70.3	50.9
51.7	61.9	51.5	74.2	51.2
51.5	51.3	51.0	69.9	51.3
52.6	51.2	51.0	61.8	51.3
52.7	51.9	60.3	61.2	51.2
52.8	51.9	61.1	50.9	51.2
52.5	51.2	61.2	50.1	50.6
51.0	53.6	61.5	61.1	50.5
51.5	51.8	61.7	50.5	50.5
51.3	51.2	53.3	70.4	50.9
51.7	51.6	67.4	51.0	51.0
51.7	51.6	71.9	50.2	50.2
54.5	54.9	52.7	67.6	50.4
54.3	55.9	52.8	69.8	50.4
54.2	51.7	48.5	67.9	48.0
52.8	52.6	51.6	64.4	49.4
53.5	51.1	50.2	68.3	49.9
53.8	51.1	50.2	68.3	49.9
51.8	52.6	50.3	60.6	49.5
54.2	55.2	50.2	65.6	49.6
64.2	50.4	52.9	78.6	50.3
51.8	54.1	52.2	67.0	49.8
53.0	53.2	50.5	62.4	50.1
52.7	53.7	50.6	59.1	49.3
52.5	52.1	51.8	61.7	49.5
50.5	52.1	50.1	60.3	49.6
53.5	53.3	51.4	60.0	49.7
53.8	54.2	51.2	63.7	49.8
53.9	55.5	50.5	71.5	49.2
51.3	53.2	50.6	68.1	49.1
63.0	60.8	51.7	80.8	49.2
52.7	53.6	50.1	66.5	49.6
51.7	51.5	50.8	59.3	49.6
54.2	51.9	51.5	67.6	49.3
53.5	54.4	51.6	68.6	49.2
51.8	51.3	49.3	67.5	48.6
51.0	51.9	49.7	69.4	48.5
52.2	52.0	50.3	61.3	48.9
53.0	54.5	50.5	72.9	49.0
52.0	53.1	49.6	62.8	48.9
52.4	52.8	50.3	63.3	48.9
53.1	53.4	50.1	64.4	48.8
51.8	51.4	50.1	55.3	48.8
51.5	52.7	49.1	66.6	48.7
53.8	55.9	48.3	65.3	48.5
51.1	56.9	48.8	62.3	47.9
50.4	49.0	48.7	66.9	47.6
51.0	51.8	48.1	77.1	47.5
50.5	53.7	49.0	88.2	48.4
50.4	54.4	50.9	75.0	48.1
50.3	51.6	49.7	56.4	47.7
48.9	50.5	48.4	34.1	48.3
49.0	50.2	48.3	65.9	47.3
48.3	48.1	47.9	54.6	47.6
58.4	51.7	47.4	71.3	47.2
48.5	47.9	47.4	51.7	47.1
53.9	50.4	48.1	67.6	47.8
49.3	49.8	48.1	64.5	46.7
48.1	48.7	47.2	69.5	46.6
48.4	48.7	47.6	52.4	47.1
48.9	49.2	48.2	52.4	47.7

49.0	49.5	48.1	52.9	47.8
48.4	48.2	47.9	53.2	47.7
48.5	48.8	48.1	53.5	47.7
60.8	54.6	49.2	75.7	47.6
48.3	49.0	48.0	52.5	46.9
62.4	53.2	49.3	78.4	47.7
50.8	49.6	49.1	65.8	48.9
49.3	49.9	48.0	54.0	47.7
49.4	49.8	47.9	53.4	47.8
48.6	49.0	47.9	51.8	47.6
48.5	49.2	47.5	51.3	46.3
50.5	49.6	47.9	52.0	46.5
49.0	49.2	47.3	51.5	46.8
48.7	48.9	47.1	52.2	46.5
48.9	49.1	47.3	52.3	46.8
48.6	48.9	47.3	52.4	46.6
48.6	48.2	47.5	58.7	46.3
56.3	51.6	49.5	66.9	47.5
49.1	49.3	48.4	53.4	47.3
49.2	49.3	48.7	53.7	47.0
48.9	49.2	47.2	54.2	47.1
49.0	49.1	47.6	54.8	47.4
48.4	49.4	47.9	50.8	46.5
48.4	48.8	47.6	52.8	46.5
57.0	54.9	49.8	72.9	47.6
61.7	60.8	49.9	67.2	47.1
50.1	51.3	48.6	55.6	48.4
52.1	51.3	49.2	60.8	48.5
48.9	49.4	48.5	55.9	47.9
49.1	51.3	48.4	57.2	46.9
48.4	49.6	46.8	51.7	46.6
48.3	48.7	47.0	51.9	46.4
48.2	48.4	47.4	52.9	46.5
48.5	48.2	47.2	51.7	46.6
48.6	49.2	47.2	51.7	46.6
49.0	48.3	47.6	57.5	46.6
48.4	47.9	47.3	56.5	46.7
48.7	48.8	46.7	57.3	46.5
48.4	48.4	47.0	53.0	46.3
50.2	49.0	47.8	64.0	46.9
51.2	49.5	49.3	60.0	46.9
48.7	47.5	46.7	61.4	48.5
48.6	47.9	46.7	62.0	46.5
48.6	48.1	47.2	63.9	46.6
50.5	48.1	48.2	64.3	46.6
49.5	47.8	47.5	69.5	46.5
48.1	48.4	47.3	62.9	47.2
48.3	48.4	47.7	62.9	47.2
51.9	49.8	48.4	61.9	46.5
51.8	49.8	48.4	61.9	46.5
51.8	52.2	48.8	63.9	48.5
50.5	50.9	49.1	69.8	48.5
48.8	50.1	48.5	67.2	48.0
48.8	50.5	48.1	58.2	47.7
49.2	48.2	48.4	62.1	47.8
50.5	49.2	48.8	60.5	48.0
49.6	49.2	48.3	70.6	48.9
49.5	49.0	48.3	74.5	49.1
51.5	51.2	50.3	52.8	48.0
51.2	52.6	50.3	62.8	48.1
51.7	51.7	48.4	70.8	48.1
53.1	52.7	49.1	62.0	48.7
49.6	51.8	49.5	59.6	48.5
50.1	52.5	49.9	64.7	49.2
50.8	51.7	50.2	56.4	49.9
48.1	51.1	50.3	62.5	50.0
52.4	53.2	50.9	64.7	50.2

51.3	54.1	51.0	67.4	50.4
57.2	52.3	71.0	50.6	50.6
51.8	51.9	50.3	62.6	49.3
57.4	53.3	51.8	74.5	51.0
56.2	54.2	52.2	76.8	50.5
53.2	51.3	49.7	64.2	48.2
54.4	53.9	51.2	76.6	50.5
61.0	61.4	53.7	83.7	51.0
55.9	54.8	52.6	63.7	50.7
52.7	51.5	51.1	73.8	49.5
51.1	61.1	58.1	66.7	50.7
60.9	57.9	56.0	82.5	50.7
54.1	54.5	51.0	76.3	50.7
59.0	62.6	54.2	78.7	51.7
54.7	56.8	52.2	76.6	50.8
55.5	52.8	51.9	75.9	51.2
55.7	54.6	54.6	66.6	51.1
54.9	54.0	53.1	71.3	51.3
60.3	72.7	63.3	94.3	51.3
61.8	59.4	57.6	80.1	51.4
53.1	52.1	51.3	74.4	50.8
53.3	53.7	51.5	59.0	51.2
54.1	55.6	52.5	73.9	51.0
53.7	54.6	51.8	64.9	50.6
53.5	53.8	51.3	67.2	50.7
54.2	54.0	51.8	68.9	50.6
53.5	53.8	51.1	66.1	51.1
71.8	73.9	53.8	71.8	51.7
62.3	63.1	53.6	69.9	50.9
61.1	57.6	52.8	60.5	51.2
57.2	62.8	57.7	74.8	50.6
50.6	62.8	51.3	67.4	50.6
52.5	53.6	51.0	63.0	50.5
51.8	57.8	51.4	54.5	50.7
56.8	60.3	51.8	67.7	50.6
55.2	58.5	51.6	67.5	50.5
55.8	59.7	52.1	61.5	50.8
64.3	64.1	53.1	76.6	51.2
53.7	53.2	52.6	69.5	51.2
55.8	53.2	51.9	60.5	51.4
55.0	54.6	51.7	80.1	51.4
55.4	56.1	52.5	67.3	51.3
54.7	55.2	52.7	65.8	51.3
55.2	57.8	53.0	70.3	51.3
56.1	55.6	52.4	67.6	51.8
55.1	55.0	52.2	67.4	51.5
53.4	53.9	51.4	67.4	51.5
52.0	60.5	53.4	70.1	51.2
51.7	60.8	52.1	76.8	51.5
54.8	52.3	51.8	59.8	50.5
54.8	54.1	51.3	70.9	50.9
52.5	52.4	51.3	69.7	50.9
52.5	52.4	51.5	70.5	50.7
54.1	54.9	51.4	71.1	50.6
53.8	54.1	51.4	71.5	50.7
52.6	53.6	51.2	69.3	50.9

54.1	53.9	51.4	72.4	50.9
54.6	52.1	52.1	62.3	50.9
51.5	52.0	51.2	59.5	50.7
52.4	52.9	50.8	58.9	50.6
52.1	53.4	51.4	57.9	50.6
51.9	52.0	51.0	66.5	50.2
51.0	51.9	51.1	68.9	50.5
51.6	52.5	51.5	64.9	50.8
51.5	52.3	51.8	68.2	50.6
52.9	52.1	51.9	67.7	50.7
53.5	52.8	51.5	68.1	50.4
52.9	61.8	51.4	74.2	50.4
60.9	70.2	51.5	95.8	50.4
51.1	54.7	51.1	71.9	50.4
55.2	53.2	51.1	71.6	50.2
53.3	53.3	51.5	73.8	50.5
54.7	54.0	52.7	74.0	50.4
54.0	52.2	51.3	74.3	50.1
54.7	55.1	51.3	70.8	50.4
53.2	54.3	51.4	64.1	50.5
53.6	55.3	52.4	68.5	50.6
52.4	52.5	51.5	66.2	50.4
57.0	58.2	51.9	71.0	50.4
53.6	54.6	51.6	70.0	50.5
52.9	52.2	51.9	67.4	50.3
55.8	55.0	51.9	71.9	50.3
53.3	54.7	51.8	69.3	50.4
53.9	55.1	51.3	66.8	50.5
53.9	55.0	51.3	65.8	50.4
52.8	62.3	51.1	78.0	50.3
61.7	61.5	52.1	80.0	50.3
60.9	61.2	51.4	74.9	50.4
60.8	60.3	51.3	76.3	50.3
59.5	59.9	51.2	74.2	50.0
52.7	54.2	51.3	69.4	50.5
53.0	54.6	51.3	69.4	50.7
54.2	55.0	52.3	66.1	50.7
53.4	53.1	52.2	68.7	50.9
54.2	55.4	52.4	69.8	50.8
53.8	54.9	52.8	68.8	50.8
53.7	54.1	51.6	67.3	50.6
53.7	54.1	51.8	67.0	50.7
53.3	53.7	51.4	67.9	50.9
60.0	61.5	51.6	72.6	50.8
57.2	57.3	52.3	71.2	50.9
59.0	58.4	51.9	71.0	50.8
59.6	59.9	53.2	77.2	51.0
54.0	54.2	52.2	73.8	50.8
53.3	54.0	51.2	67.1	50.4
52.7	53.2	51.2	70.0	50.5
53.1	52.0	51.1	70.5	50.5
68.6	64.3	53.0	84.6	51.6
56.8	55.2	53.3	75.7	51.4
54.3	54.8	53.6	82.0	52.3
54.7	59.4	53.3	79.5	52.3
62.8	59.1	52.3	78.0	50.8
56.7	55.1	52.2	77.3	49.8
57.7	57.3	50.4	78.1	49.6
56.1	60.7	51.1	68.2	49.5
55.6	60.7	51.1	77.9	50.1
55.6	55.5	50.6	69.6	50.0
54.3	55.5	51.3	67.0	50.0
51.1	54.1	50.9	72.2	50.0
56.4	57.1	53.3	77.4	50.0
52.5	53.7	51.3	62.4	50.0
56.2	54.7	51.0	68.3	50.5
55.4	56.1	51.1	67.8	50.4
54.7	55.3	51.1	68.6	50.2

49.1 49.5 48.5 58.1 48.1 48.1
50.4 51.4 48.4 57.8 47.9
49.1 49.0 48.5 56.1 48.0
49.1 49.2 48.4 55.6 47.8
48.3 49.1 48.5 53.9 48.0
48.7 49.1 48.3 52.0 47.9
48.6 49.4 48.4 52.9 48.1
49.1 50.0 48.5 52.0 48.1
49.6 49.8 48.4 52.4 47.9
49.1 49.7 48.4 52.3 48.1
48.9 49.8 48.5 52.0 47.9
49.1 49.9 48.4 53.3 47.9
48.6 49.6 48.7 52.4 48.1
49.1 50.0 48.5 51.0 48.3
48.1 49.4 49.1 50.1 48.3
48.5 48.7 48.5 50.5 48.2
50.5 49.1 48.5 50.3 48.0
49.5 50.2 48.4 55.5 47.9
48.8 49.4 48.2 53.0 47.8
50.2 50.7 48.3 53.5 47.9
48.1 49.3 48.3 53.7 47.8
49.2 50.0 48.6 53.2 47.9
49.0 49.7 48.5 53.2 47.9
48.2 49.1 48.0 53.5 47.9
48.9 49.6 48.6 53.7 48.0
48.5 49.3 48.7 53.9 47.8
48.7 49.5 48.7 53.9 47.8
48.5 49.0 48.3 51.8 48.2
48.4 48.7 48.1 52.6 47.9
48.3 48.7 48.4 52.6 48.0
48.7 49.4 48.4 51.8 48.2
48.7 49.5 48.6 51.8 48.2
50.1 49.7 49.0 58.2 48.1
49.8 50.7 49.3 58.2 48.2
52.1 53.7 48.7 62.7 48.4
48.9 51.1 49.6 60.8 48.6
50.8 51.3 49.1 63.5 48.2
48.8 49.4 49.1 58.0 48.2
49.5 50.7 49.0 56.1 48.7
51.5 53.1 49.4 54.9 48.6
49.1 51.2 49.4 56.8 47.9
48.9 51.0 48.6 58.8 48.1
49.3 50.4 49.5 56.1 48.2
48.5 49.8 48.3 59.1 48.2
50.3 50.7 49.5 56.6 48.4
50.6 51.7 49.5 56.7 49.1
51.4 51.9 49.5 56.3 48.7
49.3 50.9 49.9 51.5 49.2
49.8 55.9 49.4 66.4 48.9
51.8 52.9 49.6 58.3 49.1
55.0 51.3 49.6 65.9 48.6
52.7 54.3 48.8 66.2 48.0
66.4 51.7 49.2 62.3 49.0
51.6 54.5 51.1 73.6 49.6
50.9 53.0 50.8 66.5 49.5
51.4 52.4 51.0 60.6 49.6
52.9 54.1 51.7 63.6 50.5
52.2 54.0 51.7 64.6 50.7
52.6 54.5 51.2 69.9 50.2
52.3 54.5 51.2 73.8 50.6
59.9 60.4 51.2 75.1 50.4
60.1 60.4 51.6

54.4 55.0 50.7 66.8 50.0
55.7 54.4 51.4 74.0 50.3
52.2 52.5 51.2 71.4 50.6
53.7 54.5 51.4 66.7 50.4
52.9 53.4 51.4 63.0 50.4
52.0 52.6 50.8 66.1 50.3
53.6 54.0 51.5 67.6 50.4
56.6 55.1 51.0 74.1 50.4
52.6 53.6 52.3 64.2 50.2
53.6 54.2 52.2 66.6 50.6
55.0 55.2 50.7 73.6 50.2
53.5 53.9 52.0 73.2 50.5
54.7 53.7 51.5 71.4 50.4
66.4 59.3 50.6 84.4 50.2
64.0 58.7 50.6 83.6 50.0
55.4 54.1 50.5 77.5 50.0
51.9 52.5 51.1 75.3 49.9
54.7 55.3 50.6 82.9 50.0
53.1 53.0 50.9 69.4 49.8
52.4 53.8 50.3 69.8 49.6
41.2 54.0 50.3 70.1 49.7
53.6 54.7 50.3 72.4 49.5
51.4 52.1 50.5 66.4 49.4
51.9 51.9 50.1 60.3 49.3
53.9 54.5 49.7 69.4 49.2
50.2 50.7 49.7 57.0 49.0
50.1 50.4 49.9 59.8 48.9
49.8 50.8 49.5 55.6 49.0
49.6 50.0 49.3 59.6 48.8
50.6 51.1 50.0 66.8 48.9
49.8 50.6 49.7 64.8 48.8
49.0 50.4 49.8 62.7 48.7
49.2 49.8 49.5 67.0 48.6
50.5 50.9 49.5 58.6 48.7
61.3 59.9 49.4 83.5 48.7
53.0 52.0 49.4 71.8 48.7
49.9 50.7 49.3 54.7 48.8
49.2 49.8 49.5 55.5 48.8
49.5 49.8 49.2 54.8 48.6
49.2 49.5 49.2 54.1 48.7
48.5 48.9 48.2 52.4 48.0
49.1 49.3 48.2 52.1 47.9
48.4 48.5 48.1 51.8 48.5
61.1 52.9 49.7 93.8 48.5
50.0 51.5 48.7 61.7 48.3
49.5 51.5 48.7 59.9 48.2
49.9 49.6 48.9 54.8 48.1
48.8 49.4 48.7 55.9 48.6
49.1 49.6 48.6 54.1 48.4
56.3 51.8 49.6 68.8 48.5
50.3 50.9 48.9 55.7 48.4
49.2 49.4 48.9 54.2 48.3
49.1 49.3 49.2 52.8 48.7
48.4 49.8 48.7 56.3 48.3
50.4 50.0 48.6 65.3 48.5
58.6 52.1 48.6 74.7 48.4
50.7 51.7 48.8 56.9 48.6
48.9 49.7 48.6 64.9 48.4
48.6 50.0 48.6 65.3 48.3
48.4 48.9 48.3 52.7 48.1
48.9 49.3 48.5 52.6 48.2
56.1 50.8 49.7 77.5 48.4
49.1 50.0 48.7 65.9 48.6
48.5 48.8 48.4 63.7 48.2
48.3 49.0 48.2 52.1 48.1
48.4 48.9 48.3 52.4 48.0
48.3 48.7 48.2

Baseline (KT13-N)

51.8 53.0 51.8 58.1 50.5
 51.7 52.5 52.0 57.2 50.8
 52.3 53.2 51.7 57.3 50.6
 54.9 56.3 52.5 57.6 50.8
 57.0 59.4 52.3 74.9 51.0
 60.1 60.5 53.2 82.6 50.8
 55.5 57.0 54.6 68.6 50.8
 55.2 57.5 52.0 65.6 50.8
 59.2 61.1 52.6 70.5 51.1
 53.7 55.6 52.1 68.1 51.0
 59.0 59.6 52.0 72.9 50.7
 69.2 63.1 52.0 96.2 50.9
 68.3 63.7 52.0 81.7 50.6
 60.9 63.6 52.0 72.8 50.9
 64.0 66.0 53.3 72.4 50.8
 53.7 55.6 52.5 75.1 50.7
 58.1 59.8 51.1 75.0 50.7
 60.7 62.5 51.3 77.5 50.7
 61.2 62.5 51.3 74.5 50.7
 53.7 54.7 52.0 72.3 50.8
 55.9 57.5 51.3 60.3 50.8
 55.6 56.5 51.5 72.9 50.4
 53.8 53.2 52.2 76.3 49.9
 55.5 55.5 51.0 76.3 50.0
 62.0 66.4 51.5 83.0 50.1
 59.7 63.3 52.3 81.2 50.1
 59.8 59.9 52.7 87.4 50.3
 60.7 59.3 52.9 90.2 50.4
 61.0 62.8 52.0 78.0 51.0
 59.5 60.4 51.5 72.6 50.9
 57.2 58.7 52.4 70.8 50.9
 59.9 61.6 52.5 76.6 50.4
 61.4 57.5 51.5 83.4 50.3
 57.3 60.0 52.3 72.9 50.5
 64.2 59.6 52.1 74.9 50.4
 70.2 57.8 51.7 80.4 50.5
 61.7 57.2 51.5 80.1 50.4
 70.6 57.7 52.9 93.6 50.3
 70.2 58.4 52.4 94.3 50.6
 57.4 54.9 51.1 72.8 50.6
 50.4 55.3 51.1 50.9 55.6 50.3
 56.7 54.8 51.7 70.7 50.3
 52.9 53.1 51.9 83.4 50.3
 58.1 54.4 51.1 70.7 50.2
 60.8 54.8 51.1 70.5 50.2
 57.5 54.0 52.0 67.2 50.5
 66.4 56.3 51.0 91.9 50.2
 58.8 52.3 51.3 69.3 50.2
 57.2 55.8 51.3 70.8 50.2
 55.6 56.2 51.0 68.5 50.4
 54.2 55.0 50.9 67.2 50.0
 57.9 51.3 50.5 67.2 50.1
 62.2 54.5 51.3 95.3 50.9
 54.0 52.9 51.0 81.3 50.2
 53.7 43.1 51.2 66.9 50.3
 52.7 43.1 50.9 70.7 50.3
 53.9 53.3 51.3 81.7 50.4
 72.9 70.5 68.2 88.6 50.4

Baseline (KT13-N)

FILENAME: 052.M24
 SETTINGS:
 Serial no: 2285721
 Range: 30.0 - 110.0 dB

Br 1 & KJ
Sound Level Meter Type 2238
Logging BZ7124 ver. 1.2.0
FILENAME: 009.N24

SETTINGS:
Serial no: 2285090
Range: 30.0 - 110.0 dB
Peaks Over: 140 dB
2nd Lch. Rtc: 4 dB
Period Time: Normal
Logged Every: 05:00
Detector 1 (RMS)
Bandwidth: Broad Band
Freq. Wgt.: A
Detector 2 (Br. Band)
Weighting: Peak/C
Sound Incidence: Frontal
Windscreen Correction: Off

CALIBRATION:
Micro: 2379990
Sensitivity: -30.8 dB
Date: 2008 Mar 19 16:46:34

OVERALL RESULTS:
Start Date: 2008 Apr 30
Start Time: 11:00:21
Elapsed Time: 72:48:39
Overload: 0.0 %
Underrange: 0.0 %

RMS MEASUREMENT RESULTS:
Bandwidth: Broad Band
Freq. Wgt.: A
LMax: 94.8 dB
LMin: 68.6 dB
LMax: 98.8 dB
LMin: 74.5 dB
LMax: 98.8 dB
LMin: 79.4 dB
LMax: 66.5 dB
LMin: 58.4 dB
Leq: 66.0 dB

PEAK MEASUREMENT RESULTS:
Freq. Wgt.: C
#Peaks: 0
LpkMax: 115.4 dB

LOGGED RESULTS (1 of 1):
Marker LAeq LAP10 LAHMin
0 57.0 56.5 51.0 85.5 47.9
53.2 54.5 51.0 60.1 49.0
54.3 55.0 52.0 69.4 49.9
54.0 55.5 51.5 64.8 49.1
56.6 57.0 51.5 79.6 48.6
57.8 58.5 52.0 80.5 49.1
58.1 59.5 52.5 82.0 50.1
54.4 56.5 51.0 70.4 48.3
55.9 55.5 51.0 64.7 48.4

55.4 55.5 50.5 64.1 48.0
55.5 56.0 51.5 71.3 48.2
55.0 57.0 51.5 70.5 48.0
60.3 59.0 52.5 75.8 48.2
56.0 58.5 51.5 72.6 47.8
60.1 59.0 51.5 81.7 48.5
57.2 60.0 52.0 70.4 48.8
57.7 60.5 52.0 73.4 49.0
55.6 55.5 51.0 62.3 48.7
55.4 55.0 51.0 66.5 48.4
55.7 55.5 51.0 69.9 48.3
56.2 56.0 52.0 73.3 49.6
57.3 58.5 51.5 77.3 49.0
55.5 55.0 52.5 67.0 50.1
55.3 51.5 51.0 67.9 48.0
55.6 55.0 51.5 62.4 49.1
54.9 57.5 51.5 65.6 48.7
55.5 55.5 51.0 64.9 48.0
54.0 55.5 51.5 69.5 49.2
55.9 55.5 51.0 68.5 48.1
57.1 59.5 52.5 70.1 49.3
61.0 64.0 53.5 79.1 50.4
55.3 58.5 51.0 65.7 48.3
55.8 54.5 51.5 62.9 49.2
60.4 63.0 53.0 78.2 50.2
61.7 65.5 53.0 81.2 49.8
54.9 56.5 52.0 65.7 49.7
55.7 56.0 53.0 72.2 50.5
56.7 59.0 52.5 69.3 48.9
60.3 61.0 52.0 82.8 48.1
56.5 59.0 52.5 67.7 49.4
54.9 57.0 52.0 66.0 48.8
55.7 56.0 52.5 66.5 49.3
55.6 58.0 52.0 67.3 49.0
58.5 61.5 53.0 75.6 50.0
55.1 56.5 52.5 65.5 50.0
56.0 58.5 52.0 68.9 49.7
60.2 64.0 53.0 71.8 49.5
58.6 62.0 53.0 72.1 50.4
61.2 64.0 55.0 74.1 50.9
59.3 60.0 52.5 79.3 49.7
58.8 62.5 53.0 69.8 49.7
54.1 55.5 52.0 66.2 49.5
57.4 60.0 53.5 69.7 50.7
59.3 62.0 54.0 73.4 51.4
58.5 61.5 53.0 72.7 50.3
55.4 57.0 52.5 69.6 50.0
58.1 59.0 52.5 79.2 50.0
56.0 57.0 52.5 74.0 49.8
58.1 59.0 52.5 75.8 49.9
58.5 60.0 53.0 76.0 49.7
54.9 56.5 52.5 70.0 49.5
55.7 58.0 53.0 67.1 50.8
56.7 57.5 52.5 71.9 49.5
54.6 56.0 52.0 66.8 49.6
57.7 59.5 52.5 72.7 50.3
56.3 58.0 52.5 72.4 50.3
55.9 57.5 53.0 71.7 50.3
55.2 57.0 52.5 70.2 49.6
55.2 57.0 52.5 70.2 49.6
54.8 57.0 52.5 61.6 49.5
54.8 56.0 52.5 68.2 50.0
57.5 60.5 52.5 70.1 50.1
55.1 56.5 52.5 70.9 50.6
54.8 60.5 53.0 69.0 50.6
54.8 56.5 52.0 66.5 49.4
55.3 57.0 53.0 65.0 50.9
58.9 61.0 53.5 73.5 51.4
58.2 61.0 53.5 69.7 50.4
58.7 61.0 54.0 72.7 51.5
60.0 64.0 54.0 71.4 50.7
58.8 60.0 54.0 61.0 51.3
58.4 61.0 54.0 69.2 52.0

61.1	63.0	53.5	79.2	49.2
58.7	61.5	54.5	72.0	49.3
62.8	63.0	52.5	98.8	48.7
58.1	61.0	52.0	70.8	47.9
61.0	64.0	51.5	79.2	48.5
56.9	60.0	51.5	68.0	47.7
57.9	61.5	51.0	74.1	47.6
56.7	60.0	51.0	74.5	47.7
55.8	57.5	50.5	78.1	47.7
55.8	57.0	51.5	72.3	48.8
58.5	62.0	52.0	68.0	47.9
56.5	60.0	51.0	69.0	47.8
61.1	63.0	52.5	77.9	47.8
57.4	59.5	51.0	69.4	47.9
56.5	59.0	52.0	68.7	48.0
56.0	57.0	51.5	71.7	48.2
58.1	59.0	51.5	78.2	47.7
56.3	59.0	51.0	74.9	47.7
55.0	57.0	51.5	67.5	48.1
54.7	56.5	51.5	71.2	48.1
53.7	56.5	51.5	68.7	48.7
55.7	58.5	51.5	69.0	48.4
57.9	60.5	52.0	76.9	48.5
56.7	60.0	51.0	72.0	48.5
57.9	61.5	51.5	70.7	48.2
54.9	56.5	51.5	65.1	47.7
54.4	56.0	51.5	65.1	48.5
57.2	60.0	52.0	70.0	49.2
58.5	62.0	51.5	71.8	48.4
58.8	63.5	53.0	70.7	49.0
58.2	60.5	51.5	77.2	48.8
54.8	56.5	50.5	71.9	47.6
56.0	58.5	50.5	78.2	47.5
53.5	55.0	50.5	67.9	48.0
62.7	60.0	51.0	81.5	47.2
52.4	53.5	49.5	68.2	46.5
51.1	56.0	50.0	70.8	47.1
56.9	60.0	51.5	70.7	48.2
56.8	59.5	51.5	69.7	47.6
56.7	59.5	51.5	69.7	47.6
61.3	64.0	52.5	84.7	49.2
59.1	63.0	52.0	71.1	49.5
54.1	56.5	50.0	66.6	47.9
65.0	65.5	51.5	84.5	47.2
71.0	75.5	50.0	87.6	47.9
54.2	56.5	50.0	70.8	47.2
57.5	58.0	51.0	75.7	47.2
61.3	63.5	51.0	79.5	48.0
55.0	59.0	49.5	69.4	47.0
57.1	59.0	51.5	74.1	47.2
58.6	61.0	51.5	81.5	47.7
58.8	58.0	52.0	82.7	49.4
54.2	55.5	51.0	69.1	48.2
56.8	59.5	51.5	70.9	47.9
55.8	58.5	51.0	67.9	47.9
55.8	58.0	51.0	75.4	47.6
56.6	58.5	51.0	76.3	47.6
55.0	57.0	51.0	82.1	48.3
57.1	57.0	51.0	82.1	48.2
56.4	59.0	51.0	73.8	47.0
51.1	56.0	51.0	70.0	47.6
55.3	58.0	51.5	68.6	48.1
54.4	55.5	50.5	72.7	47.9
55.3	57.5	51.5	69.6	48.2
57.3	60.0	52.5	71.5	49.5
57.8	60.5	52.5	73.5	49.8
57.0	56.0	51.0	73.7	47.9
58.2	60.0	52.0	76.6	49.0
53.6	54.5	50.5	70.1	47.9
54.9	57.0	51.0	68.2	47.6
51.8	56.0	50.0	65.0	46.1
54.4	56.5	51.0	70.5	46.6

54.8	57.0	57.0	69.1	48.0
53.9	54.5	50.0	73.7	46.7
54.8	57.5	50.5	66.2	47.6
58.0	57.5	52.0	78.2	49.5
53.8	55.0	51.0	66.2	48.0
55.4	57.5	52.0	67.7	49.0
53.6	55.0	51.0	65.7	47.7
54.9	55.0	51.5	71.8	49.1
50.5	52.5	51.0	80.5	48.7
54.2	55.5	51.0	69.2	49.2
61.6	60.5	52.0	84.9	48.4
56.8	52.5	52.0	69.0	49.3
57.7	60.0	51.5	69.7	47.8
53.7	55.5	51.5	78.6	48.1
61.4	61.0	51.0	82.4	47.4
56.5	58.0	51.5	72.9	48.1
56.4	59.0	52.0	70.6	48.7
57.6	59.5	51.5	72.5	47.5
56.6	56.5	50.0	71.8	47.2
55.1	56.5	50.0	70.1	46.5
57.7	60.0	52.0	72.6	48.7
54.7	57.0	51.0	66.1	47.9
57.9	60.5	52.0	78.8	48.7
54.5	56.0	51.0	76.5	48.5
56.2	57.0	51.5	64.6	48.2
59.4	61.0	53.0	73.9	47.9
57.5	60.0	52.5	75.9	49.2
59.8	62.0	51.5	80.4	47.3
64.8	62.5	52.0	86.1	48.7
57.6	59.5	52.0	76.5	48.2
51.5	56.0	51.5	66.9	48.0
51.6	55.0	51.0	61.7	48.1
51.2	56.0	51.0	66.2	48.3
56.7	59.5	52.0	68.6	48.1
51.6	56.5	52.0	72.7	48.9
51.6	56.5	52.0	64.7	49.6
55.5	55.5	51.5	78.7	49.9
54.3	55.5	51.5	64.6	49.2
51.5	51.5	50.0	72.6	49.2
52.8	54.0	50.5	67.8	48.0
53.2	53.5	50.0	68.5	47.9
54.4	57.0	51.0	68.6	48.4
53.0	54.0	51.0	63.0	48.4
55.0	57.0	51.5	68.7	48.6
55.0	57.0	51.5	72.4	48.2
55.0	55.5	51.5	66.1	48.2
55.9	56.5	52.0	71.4	49.7
54.3	56.0	51.5	74.1	48.5
55.2	56.0	51.0	68.8	47.8
51.3	56.0	51.0	65.3	48.4
53.8	55.5	51.0	78.6	47.8
53.8	55.5	51.0	61.7	48.1
55.1	55.5	50.0	71.3	47.4
53.6	56.0	50.0	63.9	47.6
56.3	59.0	51.0	67.0	47.4
57.7	60.5	52.0	71.9	47.6
57.3	60.5	52.0	70.8	48.2
58.2	62.5	52.5	79.1	49.2
59.4	62.5	52.5	73.6	50.2
53.9	55.0	51.5	65.7	48.7
52.8	54.0	51.0	61.8	48.8
53.4	53.5	50.5	57.7	49.2
54.1	56.0	51.5	63.9	49.2

52.3	53.0	53.5	54.0	54.5	55.0	55.5	56.0	56.5	57.0	57.5	58.0	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5	90.0	90.5	91.0	91.5	92.0	92.5	93.0	93.5	94.0	94.5	95.0	95.5	96.0	96.5	97.0	97.5	98.0	98.5	99.0	99.5	100.0
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53.4	54.0	54.5	55.0	55.5	56.0	56.5	57.0	57.5	58.0	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5	90.0	90.5	91.0	91.5	92.0	92.5	93.0	93.5	94.0	94.5	95.0	95.5	96.0	96.5	97.0	97.5	98.0	98.5	99.0	99.5	100.0
------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	-------

60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0	99.0	100.0																												
59.6	60.1	60.7	61.2	61.8	62.4	63.0	63.6	64.2	64.8	65.4	66.0	66.6	67.2	67.8	68.4	69.0	69.6	70.2	70.8	71.4	72.0	72.6	73.2	73.8	74.4	75.0	75.6	76.2	76.8	77.4	78.0	78.6	79.2	79.8	80.4	81.0	81.6	82.2	82.8	83.4	84.0	84.6	85.2	85.8	86.4	87.0	87.6	88.2	88.8	89.4	90.0	90.6	91.2	91.8	92.4	93.0	93.6	94.2	94.8	95.4	96.0	96.6	97.2	97.8	98.4	99.0	99.6	100.0

57.0	57.5	58.0	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5	90.0	90.5	91.0	91.5	92.0	92.5	93.0	93.5	94.0	94.5	95.0	95.5	96.0	96.5	97.0	97.5	98.0	98.5	99.0	99.5	100.0																																															
46.8	47.2	47.6	48.0	48.4	48.8	49.2	49.6	50.0	50.4	50.8	51.2	51.6	52.0	52.4	52.8	53.2	53.6	54.0	54.4	54.8	55.2	55.6	56.0	56.4	56.8	57.2	57.6	58.0	58.4	58.8	59.2	59.6	60.0	60.4	60.8	61.2	61.6	62.0	62.4	62.8	63.2	63.6	64.0	64.4	64.8	65.2	65.6	66.0	66.4	66.8	67.2	67.6	68.0	68.4	68.8	69.2	69.6	70.0	70.4	70.8	71.2	71.6	72.0	72.4	72.8	73.2	73.6	74.0	74.4	74.8	75.2	75.6	76.0	76.4	76.8	77.2	77.6	78.0	78.4	78.8	79.2	79.6	80.0	80.4	80.8	81.2	81.6	82.0	82.4	82.8	83.2	83.6	84.0	84.4	84.8	85.2	85.6	86.0	86.4	86.8	87.2	87.6	88.0	88.4	88.8	89.2	89.6	90.0	90.4	90.8	91.2	91.6	92.0	92.4	92.8	93.2	93.6	94.0	94.4	94.8	95.2	95.6	96.0	96.4	96.8	97.2	97.6	98.0	98.4	98.8	99.2	99.6	100.0

54.3	55.0	51.0	63.4	51.7
53.9	54.3	53.0	56.2	51.7
53.7	54.3	52.5	64.4	50.2
54.2	55.3	57.3	50.7	50.7
51.0	51.5	57.3	50.3	49.5
54.0	54.0	51.5	59.4	49.5
53.2	54.0	52.5	68.3	50.0
53.8	54.3	52.0	62.1	50.1
54.3	55.3	53.0	62.2	50.8
53.8	55.0	52.0	59.0	48.8
53.8	55.0	52.0	58.4	49.9
54.2	55.5	52.0	68.8	49.5
54.0	55.0	52.0	68.7	49.7
54.4	56.0	52.0	68.6	49.7
54.0	56.0	52.0	61.6	49.6
53.1	55.5	50.5	59.5	48.6
53.1	55.0	51.0	68.6	49.2
52.5	53.5	50.5	57.6	48.9
53.3	55.0	51.0	59.1	49.4
53.1	55.0	51.0	59.1	48.6
52.4	53.0	50.5	57.1	48.5
51.9	52.5	49.5	57.9	47.8
51.9	52.5	49.5	57.8	48.1
52.5	53.5	50.5	62.6	49.1
52.6	54.0	50.5	60.2	49.0
52.2	53.0	50.5	58.9	48.6
52.2	53.0	50.5	57.1	48.7
52.8	54.0	50.5	63.2	49.9
53.7	54.5	52.0	63.3	49.9
52.2	53.0	50.5	59.2	48.5
51.9	52.5	50.0	63.3	48.6
52.9	54.0	51.0	60.9	48.6
52.5	53.5	51.0	57.0	49.2
52.1	53.0	50.5	55.6	48.7
51.8	52.5	50.0	57.0	48.4
52.3	53.5	50.5	58.5	48.7
51.8	53.0	50.0	56.3	48.7
51.3	52.0	49.5	58.8	47.5
52.6	54.5	50.0	62.6	47.5
51.3	52.0	49.5	57.1	47.2
51.9	53.0	50.0	57.6	48.4
51.4	52.0	49.5	55.0	48.2
51.1	52.0	49.5	54.3	47.9
51.8	52.5	50.0	58.2	48.5
51.9	52.5	50.0	58.2	48.5
51.4	52.0	49.5	55.6	48.1
51.5	52.0	50.0	55.2	48.3
51.0	52.0	49.0	54.6	47.9
51.1	52.0	49.5	54.7	48.0
52.0	52.5	50.5	56.9	49.5
52.0	52.5	50.5	56.4	49.1
51.9	53.0	50.5	57.9	48.4
51.9	52.5	50.5	61.7	49.1
52.9	54.0	51.0	56.3	49.1
54.8	57.0	53.0	58.0	49.4
54.4	55.5	51.0	57.1	50.5
53.1	54.5	51.0	56.4	49.0
52.2	53.0	50.5	61.0	49.2
51.9	52.5	50.0	54.6	48.8
51.8	52.5	50.0	55.5	49.1
52.2	53.0	50.5	61.0	49.2
51.8	52.5	50.5	59.2	49.5
51.6	52.5	50.0	60.2	49.3
51.7	53.0	50.0	54.5	48.8
51.7	52.5	50.0	54.4	49.5
51.7	52.5	50.0	54.4	49.2

51.4	52.0	50.0	54.4	48.9
51.7	52.5	50.0	53.2	48.7
51.7	52.5	50.0	56.6	49.0
51.7	52.5	50.0	54.0	48.8
51.7	52.5	50.0	55.3	48.6
52.2	53.0	50.5	54.8	49.2
52.2	53.0	50.5	54.6	49.2
52.2	53.0	50.5	54.9	48.6
52.2	53.0	50.5	54.2	48.4
51.7	52.0	50.0	54.6	48.4
51.9	53.0	50.0	54.4	48.4
51.6	52.5	50.0	51.7	48.1
51.5	52.5	50.0	53.8	48.6
51.5	52.5	50.0	55.0	48.2
51.5	52.5	50.0	54.7	48.2
51.5	52.5	50.0	53.6	48.1
51.5	52.5	50.0	53.6	48.1
51.5	52.5	50.0	53.6	48.1
51.5	52.5	50.0	54.2	48.4
51.3	52.0	49.5	53.6	48.3
51.3	52.0	49.5	54.1	48.2
51.5	52.5	49.5	55.6	48.1
51.0	56.0	50.5	66.9	48.4
55.9	60.5	50.5	66.0	49.4
52.9	52.5	50.0	65.4	48.5
51.5	52.0	51.0	68.2	49.3
53.7	56.0	54.0	69.8	50.8
53.5	60.5	50.5	63.9	48.9
54.9	58.5	50.0	67.3	48.0
53.3	58.0	50.5	65.7	49.3
56.2	58.0	52.5	69.2	50.3
59.7	65.0	54.0	72.2	49.6
63.1	65.0	54.5	72.5	51.0
61.4	65.0	53.5	74.3	53.4
58.6	61.5	55.0	69.3	51.6
68.1	75.3	55.0	82.5	51.7
62.2	64.5	58.5	75.0	56.3
61.8	64.5	58.5	74.4	56.3
62.4	64.5	58.0	74.5	54.1
62.8	65.0	56.0	73.5	52.1
61.2	64.0	55.0	75.3	50.3
60.8	64.5	53.0	79.2	50.0
59.6	61.5	53.5	79.0	49.9
63.8	66.0	52.0	77.9	49.0
56.3	58.0	52.0	68.0	48.9
55.8	56.5	51.5	69.0	48.1
54.6	56.0	52.0	67.2	49.2
55.5	57.0	50.5	67.7	47.4
56.8	60.0	52.0	70.0	48.7
56.8	60.0	52.5	72.7	49.3
57.2	61.5	53.0	71.7	49.4
57.1	59.0	53.5	71.7	49.7
56.6	59.0	52.0	71.0	48.9
55.0	57.0	52.0	67.6	48.7
55.0	57.0	52.0	65.2	49.2
56.6	58.5	52.0	73.8	49.6
56.4	58.0	52.0	70.7	47.8
56.2	57.5	51.5	71.3	48.7
54.2	55.0	51.5	71.3	48.0
55.6	56.0	51.0	76.6	47.7
56.0	56.5	51.5	75.6	48.7
51.6	56.5	51.5	68.7	48.4
61.2	64.0	52.5	76.1	48.1

61.8	64.5	54.0	76.3	49.4
59.5	54.5	70.6	50.2	
57.3	60.5	51.0	69.7	48.8
58.6	59.0	52.0	76.4	48.1
57.1	50.5	51.5	70.1	48.4
56.5	58.5	51.5	69.8	48.9
58.7	62.0	53.0	71.4	49.4
55.3	57.0	51.5	72.9	48.2
54.7	57.0	51.5	83.7	47.4
65.7	66.0	51.5	65.0	48.7
54.0	56.0	51.0	68.4	46.6
53.5	55.5	50.5	67.6	47.0
54.4	56.0	50.5	75.4	46.0
58.5	61.0	52.0	73.6	48.0
60.8	62.0	51.0	80.0	47.1
56.6	57.5	50.0	78.8	45.1
52.1	53.5	49.0	68.8	45.1
54.4	56.5	50.5	70.2	47.1
56.0	58.5	49.5	79.9	46.6
51.4	56.0	49.5	68.8	46.7
61.1	59.5	50.0	83.5	46.4
51.3	56.0	50.5	68.3	45.8
59.0	61.5	50.0	74.2	46.3
58.1	61.0	51.0	72.0	47.4
57.8	61.0	50.5	73.8	45.9
53.2	58.0	50.0	66.2	45.6
54.6	56.5	50.5	67.9	47.9
51.4	57.0	50.5	66.0	45.8
58.7	59.5	51.5	80.2	46.9
54.6	56.5	51.0	73.8	47.1
55.9	58.0	51.0	74.6	46.3
55.0	58.0	50.5	68.9	47.4
53.3	51.0	50.0	68.1	46.0
54.8	57.0	49.5	71.9	45.5
70.6	61.0	50.5	90.5	46.9

Br 1 & KJ
 Sound Level Meter Type 2238
 Logging BZ7124 ver. 1.2.0
 FILENAME: 010.M24

SETTINGS:
 Serial no: 2285690
 Range: 30.0 - 110.0 dB
 Peaks Over: 140 dB
 2nd Exch. Rate: 4 dB
 Period Time: Normal
 Logged Every: 05:00
 Detector 1 (RMS)
 Bandwidth: Broad Band
 Freq. Wgt.: A
 Detector 2 (Br. Band)
 Weighting: Peak/C
 Sound Incidence: Frontal
 Windscreen Correction: Off
 CALIBRATION:
 Micr.: 2579990
 Sensitivity: -30.8 dB
 Date: 2008 Mar 19 16:46:34
 OVERALL RESULTS:

Start Date: 2008 May 03
 Start Time: 11:53:29
 Elapsed Time: 96:14:24
 Power Load: 0.0 %
 Underrange: 0.0 %

RMS MEASUREMENT RESULTS:

Bandwidth: Broad Band
 Freq. Wgt.: A
 LPRax: 94.8 dB
 LPSax: 92.4 dB
 LPRin: 101.7 dB
 LPSin: 43.9 dB
 LPRin: 48.4 dB
 LPSin: 49.0 dB
 LPRin: 67.3 dB
 LPSin: 58.8 dB
 Leq: 66.5 dB
 Licq: 66.5 dB

PEAK MEASUREMENT RESULTS:

Freq. Wgt.: C
 #Peaks: 0
 LPRmax: 112.3 dB

LOGGED RESULTS (1 of 1):

Varier	LAP0	LAP10	LAP90	LAPMin	LAPMax
01234	dB	dB	dB	dB	dB
57.1	57.5	50.0	78.2	45.2	
53.8	56.5	49.0	67.1	44.8	
52.0	55.5	49.0	61.3	45.1	
53.8	56.0	50.0	65.4	45.8	
54.6	57.5	48.5	71.9	44.3	
56.5	56.0	49.0	77.7	44.4	
54.7	57.5	50.0	67.6	45.6	
51.5	53.0	48.5	76.5	45.0	
55.6	58.5	49.5	72.0	44.5	
59.6	63.0	51.0	72.1	45.4	
55.8	59.0	50.0	69.4	44.7	
55.0	51.5	48.5	62.0	44.7	
54.1	56.5	49.5	68.5	45.8	
52.8	53.5	49.0	69.2	45.6	
55.3	57.0	50.0	76.7	46.6	
54.7	55.0	49.5	72.2	45.0	
58.4	60.5	49.0	81.7	43.9	
62.0	65.0	51.5	80.8	47.1	
56.2	61.0	48.5	67.4	44.3	
52.3	54.5	48.5	63.1	44.4	
54.0	56.5	49.0	69.1	45.3	
51.3	56.0	49.0	74.0	44.9	
57.5	60.5	49.5	75.7	44.6	
60.0	60.5	49.5	82.8	45.8	
58.8	60.5	51.0	78.4	46.4	
60.8	61.0	51.0	83.1	46.8	
55.7	58.5	49.5	72.2	45.2	
52.6	51.5	48.5	61.9	45.1	
55.2	58.0	49.5	74.4	44.6	
56.5	58.0	50.0	76.7	45.0	
56.1	58.5	49.5	72.4	45.2	
56.0	58.0	50.5	73.1	47.1	
53.7	55.5	50.5	63.4	47.4	
54.5	57.0	49.5	66.8	45.6	
58.7	62.5	50.5	72.5	45.7	
54.8	57.0	49.5	70.9	45.5	
57.0	56.5	50.5	83.6	46.9	
57.7	60.5	51.5	76.5	47.5	

Baseline KTI3-N2

54.3	58.0	50.0	60.5	48.7
55.7	58.5	51.0	60.2	48.8
57.6	58.5	56.0	60.5	49.0
56.4	59.0	50.0	61.5	48.4
57.6	59.5	50.0	61.2	48.8
57.9	60.5	51.0	62.0	49.0
58.9	60.0	51.0	62.1	49.4
59.4	60.5	58.9	62.2	54.4
59.2	60.0	57.5	62.6	53.7
59.0	60.0	50.0	62.0	48.9
58.8	60.0	52.0	61.9	49.1
58.9	60.0	52.0	62.6	49.0
59.1	60.0	57.0	61.4	48.9
59.3	60.0	58.0	62.9	53.9
59.3	60.0	58.0	65.0	51.3
59.3	61.0	59.0	72.8	54.0
62.5	65.5	59.0	71.1	55.5
63.4	67.0	58.5	72.5	54.2
63.7	67.0	58.0	74.3	51.2
62.9	67.0	57.0	72.1	49.7
67.9	59.5	53.5	67.1	50.0
67.1	64.5	55.0	85.4	50.5
66.3	67.0	55.5	85.1	51.1
65.8	66.0	54.5	85.3	49.8
62.0	65.5	55.0	78.6	50.1
58.9	59.5	52.0	80.8	49.7
57.6	60.0	51.5	71.8	48.9
56.0	59.5	51.5	70.1	48.1
56.3	59.0	51.5	69.1	47.8
59.0	61.5	52.5	76.5	49.3
57.4	61.0	52.0	70.3	48.0
57.0	59.5	52.0	74.7	48.8
57.9	61.0	52.0	72.2	47.4
60.1	64.0	52.0	71.7	48.9
56.8	59.5	52.0	71.5	48.2
56.0	58.0	51.5	68.4	47.4
55.6	58.0	51.0	72.5	48.3
56.0	58.0	51.0	73.3	47.4
56.9	60.5	51.0	79.6	46.9
59.9	63.0	51.0	72.9	46.6
59.2	63.0	51.0	77.6	47.8
56.2	59.0	50.5	67.7	47.2
56.2	59.0	51.5	72.0	47.4
55.3	57.5	51.5	66.8	48.6
55.0	57.0	50.5	69.6	47.0
55.3	62.5	52.0	71.6	46.1
57.7	58.5	51.0	79.1	47.5
55.2	58.0	51.0	68.0	47.7
55.4	58.0	51.0	69.1	47.3
58.8	61.0	52.0	75.9	49.0
56.0	58.5	50.5	71.8	45.8
58.2	61.5	52.0	69.1	47.0
58.4	61.5	51.0	71.4	46.3
54.0	57.5	49.5	70.7	45.8
54.5	57.5	49.5	69.2	45.8
54.3	59.5	40.5	68.1	45.0
54.6	59.5	50.0	68.1	46.1
56.1	59.0	51.5	69.8	46.8
55.3	57.0	50.5	69.0	47.5
55.0	57.0	50.5	69.0	46.5
54.4	56.0	49.5	69.0	47.2
54.2	56.0	49.5	67.9	46.2
52.8	55.0	48.5	67.9	45.4
53.8	57.5	50.0	76.5	45.8
53.4	57.5	50.5	73.5	46.5

Baseline KTI3-N2

59.5	62.0	53.5	75.5	48.0
55.5	57.0	49.5	77.5	45.9
54.7	57.0	49.5	73.2	45.4
53.4	56.0	49.0	69.7	45.4
53.4	57.0	50.0	70.7	46.5
54.4	57.0	49.5	70.4	46.0
54.5	57.0	49.0	68.9	45.4
53.5	56.0	49.0	63.6	45.3
55.6	58.5	49.0	70.9	45.3
55.6	58.5	50.0	72.3	45.7
55.8	60.0	50.0	73.1	46.0
58.4	61.5	52.0	71.3	45.8
58.4	61.5	46.5	81.3	45.6
58.3	61.0	51.0	78.5	47.1
57.3	60.5	51.5	71.4	48.0
58.3	61.5	52.0	73.8	46.7
55.4	58.5	52.0	73.5	47.2
56.4	58.5	52.0	74.0	48.7
55.0	56.5	51.0	74.0	48.7
58.7	62.0	51.0	75.0	48.7
55.2	56.5	51.0	72.0	47.8
55.1	57.5	51.0	78.1	47.0
54.4	56.0	51.0	78.7	47.4
56.5	59.5	51.0	72.5	47.5
58.0	61.5	52.0	68.5	48.8
58.0	61.5	52.0	67.7	48.8
57.1	60.0	51.5	71.4	48.8
56.8	58.5	51.5	73.2	48.8
56.8	58.5	51.0	69.5	49.2
53.3	55.5	52.0	69.5	48.5
53.3	57.5	52.0	69.5	49.2
53.9	56.5	51.0	67.3	48.1
56.2	58.5	52.0	70.7	48.7
58.1	61.0	51.5	68.3	48.2
56.7	60.0	51.0	69.6	48.2
57.5	60.5	51.0	72.5	48.4
58.6	61.5	51.5	73.0	48.7
58.4	62.0	51.0	72.7	48.3
52.7	54.0	49.5	64.7	46.9
55.2	58.5	50.5	65.1	46.3
56.7	60.0	50.5	69.7	46.2
58.4	61.0	50.0	76.3	46.6
59.7	64.0	51.0	69.3	47.3
67.2	62.0	51.0	85.2	48.1
56.6	60.0	51.0	70.3	47.8
54.1	55.5	50.5	67.5	47.7
55.1	57.0	51.0	70.3	47.8
57.8	59.5	50.5	79.8	46.8
55.1	56.5	50.5	71.3	46.6
57.2	59.5	50.5	75.4	46.6
54.4	57.0	50.5	67.8	47.2
54.4	56.0	50.5	73.0	46.5
54.5	57.0	51.0	61.1	47.5
53.9	56.0	50.5	68.7	47.5
54.6	57.5	50.5	65.2	47.5
56.4	58.5	51.5	80.4	45.2
57.2	60.5	51.0	72.5	47.0
51.8	57.5	50.5	70.2	47.4
56.9	60.0	51.5	68.5	46.9
57.0	60.5	50.0	75.9	46.2
53.8	60.0	51.0	69.9	46.8
56.9	60.0	51.0	69.7	47.7
55.5	63.5	51.0	73.4	47.2

58.0	63.0	51.0	70.0	49.6
58.9	64.0	51.0	71.9	49.6
55.5	56.0	51.0	68.9	49.7
53.2	53.0	50.5	67.6	48.8
54.1	56.5	50.0	67.8	48.8
58.1	63.0	50.5	70.7	49.1
59.5	64.5	51.0	70.5	49.1
61.8	66.0	51.0	72.2	49.2
62.0	66.5	51.5	71.9	49.0
57.7	60.5	52.5	68.3	49.7
58.6	61.0	54.0	68.1	51.1
60.5	63.5	54.0	72.8	51.0
60.7	63.5	54.5	74.5	51.0
61.7	64.5	54.0	75.8	49.8
60.7	63.5	54.5	73.2	50.8
61.4	64.5	54.0	73.8	49.1
61.4	63.0	53.0	82.9	48.7
64.4	62.5	52.5	82.6	48.0
59.3	62.5	53.0	73.8	48.6
59.9	63.0	53.0	73.7	48.8
58.6	62.0	51.0	74.0	48.0
55.8	58.0	51.0	71.8	46.9
56.2	58.0	51.0	73.1	47.4
59.9	62.0	52.0	72.1	48.2
56.1	57.5	51.5	76.6	48.5
60.2	64.0	52.5	74.1	48.8
65.4	64.5	53.0	84.1	48.8
59.2	62.5	53.0	77.3	49.5
58.3	59.5	52.0	72.0	49.0
56.0	58.0	52.0	71.6	49.5
56.6	57.5	52.0	74.4	49.5
55.6	57.5	52.0	76.0	49.2
58.2	61.0	52.0	70.2	48.2
56.9	56.5	51.5	70.2	48.2
56.1	58.5	51.5	69.8	48.2
55.1	58.5	51.0	68.3	48.0
55.7	59.0	50.5	69.4	47.9
54.6	61.0	50.5	73.1	47.7
50.5	61.0	50.5	84.1	48.2
57.0	60.0	52.5	73.2	48.0
56.5	60.0	52.5	66.6	48.2
59.7	61.5	54.5	72.2	49.9
60.5	64.5	52.5	78.2	49.9
59.8	63.0	53.5	70.2	50.7
56.4	59.0	52.0	68.6	49.5
55.0	57.5	51.5	63.2	48.8
56.6	62.0	52.0	69.2	48.9
56.6	63.0	52.5	73.4	49.7
51.0	55.5	51.0	65.8	48.4
51.0	55.5	51.0	65.4	47.4
58.9	64.5	53.0	67.3	48.0
58.9	64.5	53.0	88.5	48.9
58.2	59.5	51.5	78.0	48.0
57.1	60.0	51.5	70.5	48.8
56.8	60.0	51.5	72.5	48.4
60.0	60.0	51.5	77.8	48.8
55.6	57.5	52.0	69.2	49.5
55.7	57.0	52.0	74.0	48.9
58.8	62.0	52.0	68.9	49.2
55.3	57.0	52.0	68.9	49.6
56.2	58.5	52.0	71.4	49.4
55.1	56.5	52.0	70.4	49.4
57.3	60.0	51.5	73.3	48.5
56.5	59.0	51.5	70.2	46.5
57.8	61.5	51.5	74.1	47.7
54.9	57.0	51.0	71.1	47.5
53.4	56.0	49.5	67.9	46.2
51.0	55.5	51.0	50.5	70.4
51.0	57.5	51.0	70.2	47.6

54.6	58.5	51.0	70.5	48.1
58.8	58.5	51.5	70.2	49.1
56.0	57.0	52.0	66.4	49.4
57.0	58.5	50.5	65.8	49.9
51.2	56.5	51.5	65.8	48.2
70.2	59.5	51.5	79.3	48.4
58.2	59.0	51.0	78.6	48.6
57.7	59.5	52.5	71.0	48.5
59.4	59.0	52.0	69.5	48.9
55.4	57.5	51.5	61.0	48.8
55.0	57.5	51.0	69.8	47.9
56.3	59.5	51.5	67.9	47.4
56.7	60.0	52.5	70.0	47.8
59.1	62.0	52.5	68.5	47.1
55.8	59.0	51.0	69.5	47.8
55.8	58.5	52.0	66.4	49.4
51.6	56.5	52.0	74.0	49.8
56.3	57.5	51.5	77.8	49.1
55.3	57.5	52.0	69.3	48.5
53.4	55.0	50.5	67.5	47.7
55.3	57.5	51.5	69.3	47.7
55.3	57.0	51.5	73.9	47.6
57.6	58.0	52.5	79.4	50.4
51.7	56.5	52.0	67.2	50.0
51.6	56.0	52.5	68.5	49.5
56.8	59.0	52.0	75.6	48.9
58.2	60.0	52.0	78.0	48.8
58.9	61.0	51.5	84.2	48.2
55.9	58.5	51.5	92.0	48.5
68.5	65.0	53.5	92.0	49.4
61.7	63.0	52.0	77.7	48.3
54.7	55.5	51.5	69.5	48.5
57.5	57.0	51.5	66.0	48.4
57.3	60.0	52.5	70.3	49.2
53.5	56.5	50.5	69.3	47.5
53.7	55.0	51.5	68.4	47.2
55.2	57.5	52.0	79.7	48.8
57.0	58.5	52.0	70.0	49.2
56.1	57.5	51.5	88.0	48.1
68.5	72.0	51.5	87.5	48.7
57.3	59.5	53.5	71.7	51.0
59.9	59.0	53.5	68.2	50.3
57.4	60.5	52.5	70.2	49.5
56.8	58.5	53.0	70.1	50.4
55.4	57.0	53.0	69.3	50.5
56.0	57.5	53.5	66.1	50.5
59.1	60.5	53.0	79.2	49.0
58.4	59.5	54.0	79.7	51.2
58.4	61.0	54.0	69.8	50.8
57.9	60.5	53.0	71.0	50.3
56.7	59.5	54.5	69.7	51.9
61.2	64.5	52.5	70.7	50.3
60.7	63.5	55.5	69.5	50.4
59.1	62.0	53.5	71.1	52.4
57.5	60.5	53.5	69.3	50.9
55.7	58.5	52.0	67.7	49.9
58.3	61.0	54.0	69.5	49.5
56.2	59.0	52.0	68.9	48.1
57.6	59.5	53.0	74.4	50.0
56.0	58.0	52.5	69.4	49.6
58.5	62.0	52.5	76.3	49.8
57.0	59.0	52.5	73.8	50.3
59.7	61.5	54.5	75.1	50.8
56.8	59.0	53.0	68.0	49.7
58.5	60.5	54.0	81.2	50.5
54.9	57.0	54.0	72.1	51.0
53.4	56.0	53.5	72.1	51.0
55.1	57.5	53.0	62.1	49.3
51.0	56.0	53.0	53.0	50.2

63.8	67.5	78.3	51.3
66.2	68.0	82.8	51.3
62.9	65.5	80.8	51.3
63.0	65.5	76.7	50.1
62.1	64.5	74.8	51.1
58.7	62.5	72.3	47.9
57.5	60.0	71.7	47.3
65.4	68.0	80.2	50.9
61.9	65.0	73.5	50.2
61.0	64.0	73.0	49.8
62.8	66.5	74.0	49.8
60.6	63.5	76.6	49.2
62.2	64.5	76.9	49.1
59.1	62.5	80.9	49.2
55.0	59.0	69.5	46.5
56.3	59.5	69.5	46.6
56.4	59.5	70.4	47.0
57.0	60.0	68.3	47.0
54.1	57.0	68.7	47.5
58.3	60.0	71.5	47.9
58.3	59.0	80.1	47.5
58.0	58.0	69.1	47.5
58.0	61.0	71.9	48.8
60.4	63.5	71.5	48.3
60.4	62.0	82.6	48.4
55.4	58.0	52.0	65.8
55.8	57.0	74.8	47.6
57.6	60.0	52.5	71.5
59.3	62.5	53.0	73.8
55.7	57.5	53.0	69.3
57.9	60.5	52.5	74.7
56.4	59.0	52.0	70.8
59.8	63.5	51.5	74.4
55.6	57.0	51.5	72.7
55.9	57.0	52.5	74.1
57.4	60.5	52.5	72.2
59.4	62.5	53.0	74.4
57.0	60.0	52.5	69.2
59.8	62.5	53.5	75.6
55.0	57.5	51.0	65.6
59.5	63.0	51.5	73.6
56.8	60.0	51.0	68.7
58.7	62.5	51.5	70.1
58.4	62.0	51.0	72.5
57.0	59.5	52.0	71.9
57.8	61.0	52.0	70.6
57.6	61.0	52.0	69.0
58.7	62.5	51.0	69.6
54.5	56.5	50.0	69.4
55.3	58.0	50.0	67.1
55.7	58.5	50.0	72.3
53.4	55.5	50.0	76.5
55.8	59.5	50.5	70.5
56.8	61.5	51.5	75.9
55.9	60.5	50.0	71.3
55.1	57.5	50.5	66.7
58.1	61.0	52.0	71.5
59.8	62.5	52.5	73.2
56.7	59.5	53.0	68.7
56.8	59.5	52.5	69.7
55.7	58.0	51.0	71.7
56.0	59.0	50.0	68.2
61.7	64.0	50.5	76.1
53.6	56.0	49.5	66.9
56.9	59.5	50.5	71.8
51.9	58.0	51.0	69.2
57.7	60.0	52.0	73.8
54.4	56.5	50.5	70.9
55.1	58.0	50.0	69.4
54.3	57.0	49.5	70.2
55.0	57.0	50.5	71.0

55.0	57.5	51.0	65.0
56.3	59.0	50.5	70.7
61.3	65.0	52.5	72.4
62.3	66.0	52.0	77.7
54.0	57.0	49.5	66.5
55.4	58.0	50.5	69.3
60.8	60.0	50.5	83.6
56.9	59.0	50.0	72.5
59.1	62.5	50.0	72.2
56.1	58.5	49.0	66.1
53.6	56.0	49.5	74.4
58.1	61.5	50.5	67.6
54.2	56.5	50.5	70.3
57.4	61.0	49.0	66.3
53.5	56.5	48.5	68.2
52.5	51.5	48.0	68.2
53.9	56.5	49.0	70.5
55.5	57.0	48.5	73.5
51.7	57.5	49.0	70.5
53.2	55.5	49.5	65.9
54.9	58.0	49.5	66.5
55.7	59.0	50.0	69.5
55.4	58.5	50.0	70.1
55.1	57.5	50.0	70.2
56.7	59.5	49.5	71.1
52.0	55.0	49.5	63.7
56.1	59.5	50.5	68.4
54.3	57.0	49.5	69.7
57.9	61.5	50.5	74.7
55.9	59.0	51.0	67.3
55.9	58.5	50.0	73.3
55.0	55.0	50.0	70.8
54.7	52.5	50.0	68.5
56.4	57.5	51.0	71.7
58.5	58.5	50.5	74.7
51.7	57.0	50.0	67.1
61.4	61.0	50.5	83.3
57.5	60.0	50.5	73.6
62.5	62.5	51.0	79.2
60.1	62.5	50.0	70.2
58.1	61.0	51.0	70.2
58.1	61.0	50.5	70.5
58.5	59.5	50.5	80.5
60.5	57.0	51.0	72.5
54.5	57.0	49.0	68.1
57.5	60.0	50.5	70.9
57.1	60.0	51.0	73.5
56.7	59.5	50.5	69.7
58.7	61.5	51.0	70.5
58.0	61.0	52.0	71.0
59.0	62.0	52.0	72.7
60.5	60.5	50.5	71.8
59.1	58.5	51.0	72.9
57.0	60.0	51.0	67.6
57.3	60.0	51.0	72.5
57.1	60.0	51.0	73.2
56.4	59.0	50.0	74.9
60.2	62.0	50.5	82.5
57.5	61.0	51.5	70.5
59.9	61.0	51.5	79.4
57.7	60.5	51.0	72.9
61.0	64.0	51.5	79.0
58.7	64.0	51.5	73.9
60.0	62.0	51.5	79.7
61.3	62.0	51.5	79.0
61.2	64.0	54.5	71.6
59.8	64.0	54.5	71.6
61.2	64.0	54.5	71.6
61.2	64.0	54.5	71.6
59.8	64.0	54.5	71.6
57.7	60.0	52.0	73.8
54.4	56.5	50.5	70.9
55.1	58.0	50.0	69.4
54.3	57.0	49.5	70.2
55.0	57.0	50.5	71.0

59.6	63.0	52.5	71.0	47.0
59.2	62.5	52.5	72.1	46.7
61.8	65.5	53.5	74.1	49.2
59.0	61.0	52.0	73.5	47.4
59.5	62.0	53.5	69.7	49.2
61.5	64.5	53.5	71.8	49.9
59.6	62.0	55.0	68.5	48.7
58.7	61.5	53.5	68.6	49.2
57.5	59.5	51.0	73.8	48.1
62.0	63.0	49.5	60.1	46.6
61.6	63.0	48.5	60.4	46.6
60.5	61.5	48.5	56.8	46.7
61.0	62.0	49.0	56.0	47.1
60.8	61.5	49.5	53.8	48.2
62.1	63.5	49.5	65.0	47.8
62.3	63.0	50.5	61.6	48.4
63.9	64.5	51.0	72.4	48.9
62.5	63.5	51.0	56.8	49.1
63.5	64.5	51.0	70.2	49.1
62.6	63.5	51.5	67.0	49.2
61.9	63.0	50.0	56.6	48.5
61.5	62.5	50.5	60.2	48.5
62.5	63.5	50.5	64.0	48.4
61.1	62.5	50.5	84.1	48.5
61.6	63.5	50.5	61.2	47.8
61.5	62.5	49.0	58.3	47.3
61.9	63.0	50.0	58.0	48.4
62.5	63.5	50.0	54.8	48.6
61.4	62.5	51.0	64.7	49.4
63.1	64.0	51.0	62.7	49.4
61.8	62.5	50.0	60.5	48.9
62.0	62.5	50.5	62.5	49.1
62.3	63.0	50.5	58.0	48.8
62.0	63.0	51.0	60.5	49.3
62.7	63.5	50.5	60.5	49.1
62.6	63.0	51.0	61.3	49.3
62.3	63.0	51.0	56.3	49.3
62.3	63.0	51.0	55.4	49.3
62.5	63.5	51.0	55.6	50.0
62.9	63.5	51.0	53.7	48.7
62.7	63.5	50.5	53.5	49.1
62.5	63.5	50.5	50.9	49.3
62.3	63.5	50.5	60.1	48.7
62.4	64.5	50.0	62.0	48.3
62.5	64.5	50.0	54.0	48.7
62.5	64.5	50.5	58.9	48.6
62.4	64.5	50.5	56.9	48.3
62.5	64.5	50.5	62.0	48.3
62.4	64.5	50.5	60.2	48.0
62.2	64.5	50.5	60.2	48.7
62.1	64.5	50.5	57.0	48.4
62.0	64.5	50.5	57.7	48.9
62.0	64.5	50.5	60.1	48.3
62.3	65.5	50.5	56.2	49.3
62.3	65.5	50.5	56.2	49.2
62.4	66.5	51.0	56.2	49.1
62.4	66.5	51.0	54.9	48.6
62.4	66.5	51.0	50.0	48.1
62.5	67.5	51.0	54.1	48.6

61.6	62.5	51.0	56.5	48.6
61.7	62.0	50.0	57.1	48.5
61.4	62.0	50.0	53.7	48.5
61.8	62.5	50.0	63.2	49.3
60.4	62.5	50.0	56.9	48.7
62.1	63.0	50.0	59.1	48.6
64.1	64.0	50.0	87.6	48.2
61.6	62.0	50.0	55.6	48.7
61.7	62.5	50.0	59.6	48.5
61.6	62.5	50.0	55.1	48.5
61.3	62.0	49.5	53.9	48.2
61.2	62.0	49.5	65.1	47.8
61.3	62.0	49.5	55.0	48.2
61.1	61.5	49.0	63.3	47.8
60.9	61.5	49.0	54.2	47.7
61.1	61.5	49.0	56.0	47.9
61.1	62.0	49.5	58.9	48.3
62.1	63.0	49.5	59.9	48.3
60.9	61.5	49.0	52.8	48.0
61.0	61.5	49.0	51.1	48.2
61.3	61.5	49.0	58.5	48.1
60.9	61.5	49.0	54.2	48.0
61.1	61.5	49.0	57.9	48.1
61.1	61.5	49.5	53.0	48.5
61.3	62.0	50.0	57.8	48.2
61.4	62.5	50.0	55.3	48.4
61.5	62.0	50.0	61.2	48.5
61.4	62.0	49.5	53.9	48.9
61.3	62.0	50.0	53.1	48.6
61.4	62.5	50.0	64.8	48.4
61.4	62.5	49.5	51.9	48.6
61.3	62.0	49.5	53.6	48.4
61.4	62.0	49.5	53.6	48.6
61.3	62.0	49.5	54.4	48.5
61.3	62.0	49.5	53.7	48.4
61.3	62.0	49.5	53.7	48.2
61.3	62.0	49.5	53.2	48.3
61.3	62.0	50.0	65.6	48.4
61.3	62.5	51.5	64.7	48.6
61.3	62.5	52.5	69.5	49.2
61.3	62.5	52.5	71.9	49.4
61.3	62.5	52.5	71.4	48.5
61.3	62.5	52.5	71.6	48.5
61.3	62.5	52.5	72.9	48.1
61.3	62.5	52.5	59.2	48.8
61.3	62.5	52.5	61.2	48.8
61.3	62.5	51.5	60.0	49.4
61.3	62.5	51.5	61.5	49.3
61.3	62.5	51.5	64.7	50.7
61.2	61.0	51.0	75.2	50.7
61.0	60.5	50.5	87.1	51.4
60.2	60.5	50.5	82.5	52.4
60.6	60.5	50.0	84.8	53.1
60.7	60.5	50.0	87.5	53.0
60.7	60.5	50.0	82.0	50.8
62.8	65.0	56.0	84.0	51.1
68.0	68.5	57.0	85.6	51.1
65.4	67.0	57.5	87.9	51.5
65.5	67.0	58.0	74.2	52.9
65.5	67.5	56.5	72.8	50.0
66.9	67.5	54.5	67.7	49.5

57.5	59.5	53.0	75.7	49.1
59.8	63.0	53.5	73.0	48.7
60.2	63.5	53.5	72.2	48.5
61.6	65.0	54.0	73.1	48.0
59.7	63.0	52.5	73.7	48.4
58.6	62.5	51.5	71.5	47.5
61.4	64.0	52.5	76.7	48.0
57.4	60.5	52.0	70.6	49.7
55.1	57.0	51.5	67.5	48.5
54.8	56.0	51.5	69.5	49.0
57.3	60.5	52.5	80.2	49.3
61.4	65.0	53.5	70.5	48.8
63.0	66.5	52.5	78.9	48.5
56.3	59.5	51.0	75.8	46.0
55.1	57.0	50.5	68.7	46.5
56.6	60.5	50.0	67.0	46.7
55.5	58.0	49.5	81.4	46.1
55.5	58.0	50.0	72.2	46.4
55.7	58.5	50.0	72.5	46.5
57.3	59.5	51.0	71.2	47.3
63.1	60.0	52.5	73.5	47.9
58.1	60.5	53.0	78.2	49.2
57.3	60.0	52.5	71.2	48.9
55.3	57.0	52.0	71.4	48.7
55.3	57.0	52.0	67.0	49.4
56.1	58.5	52.0	70.0	49.2
58.0	59.5	52.0	68.9	49.3
58.0	62.0	52.5	71.4	49.5
58.0	58.0	52.0	77.3	49.3
59.7	61.0	53.0	69.0	49.3
61.2	64.5	52.5	74.8	47.9
60.6	62.0	51.0	84.1	46.2
58.9	58.5	51.5	72.5	47.6
54.7	57.0	50.5	66.4	46.7
53.8	56.0	50.0	69.0	47.5
51.2	56.5	50.5	65.7	46.6
54.2	56.5	49.5	69.3	46.9
60.1	63.5	53.0	74.3	48.8
55.7	58.5	51.5	68.9	48.1
59.5	62.0	51.5	74.1	47.3
58.3	58.0	51.0	69.4	47.1
59.0	61.5	52.0	73.9	47.7
58.6	62.0	53.0	72.3	48.8
56.0	59.0	52.0	69.6	47.1
54.8	56.5	51.0	71.1	47.8
55.8	56.5	50.5	74.6	47.2
54.7	57.0	51.0	65.1	47.5
55.5	57.5	51.5	69.2	47.7
56.1	58.5	52.0	72.1	47.9
56.5	59.5	51.5	68.7	48.0
57.9	61.0	53.0	71.2	47.8
54.2	56.0	50.5	64.7	47.4
57.6	60.5	52.0	70.1	47.4
56.7	59.5	51.5	70.4	47.7
61.1	64.0	53.0	76.2	49.5
53.7	56.5	51.5	68.4	46.8
54.9	56.5	51.5	68.4	46.8
55.8	58.0	53.0	66.7	50.1
55.8	58.0	52.0	67.3	47.7
57.3	60.0	52.0	73.5	48.3
59.6	59.5	51.5	75.9	47.8
54.6	57.0	50.5	65.7	47.6
54.5	57.0	50.5	70.2	46.6

Br 1 & Ki
 Sound Level Meter Type 2238
 Logger BZ124 ver. 1.2.0

----- FILENAME: 011_M24 -----

SETTINGS:

Serial no: 2285690
 Range: 30.0 - 110.0 dB
 Peaks Over: 1.49 dB
 2nd Ech. Rate: 4 dB
 Period Time: Normal
 Logged Every: 05:00
 Detector 1 (RMS): Broad Band
 Bandwidth: A
 Freq. Wgt.: A
 Detector 2 (Br.Band): Peak/C
 Weighting: Prontal
 Sound Incidence: Prontal
 Windscreen Correction: Off

CALIBRATION:

Micr.: 2379990
 Sensitivity: -30.8 dB
 Date: 2008 Mar 19 16:46:34

OVERALL RESULTS:

Start Date: 2008 May 07
 Start Time: 13:02:59
 Planned Time: 05:37:16
 Overload: 0.0 %
 Underrange: 0.0 %

RIS MEASUREMENT RESULTS:

Bandwidth: Broad Band
 Freq. Wgt.: A

L1Max	90.1 dB
L1Min	84.5 dB
L1Max	91.8 dB
L1Min	87.8 dB
L1Min	88.3 dB
L1Min	87.5 dB
L1P10s	66.2 dB
L1eq	59.5 dB
L1eq	65.6 dB

PEAK MEASUREMENT RESULTS:

Freq. Wgt.: C
 #Peaks: 0
 L1kmax: 116.2 dB

LOGGED RESULTS (1 of 1):

Marker	L1eq	LAP10	LAP90	L1PMin
	dB	dB	dB	dB
001234	65.1	64.0	64.5	60.1
00	65.1	64.0	64.5	60.1
	62.7	63.0	63.0	49.7
	60.2	63.5	64.5	50.0
	56.5	58.5	59.0	50.6
	56.4	58.5	59.5	51.0
	55.6	57.5	58.0	50.5
	55.9	57.5	58.5	51.0
	57.9	61.0	61.5	51.0
	56.2	58.0	58.5	50.9
	56.4	58.5	59.5	51.4
	55.8	57.5	58.5	51.1
	58.4	61.5	64.0	51.6
	59.3	62.5	64.0	50.7


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57.3 59.5 54.0 69.1 50.8
59.0 61.5 54.0 74.3 51.4
54.0 55.5 52.5 62.7 50.7
60.6 64.0 53.5 74.8 51.3
59.2 61.0 54.5 79.1 51.7
57.7 59.5 54.5 67.6 51.9
57.0 59.5 54.0 70.8 51.1
59.8 60.5 53.5 79.3 51.1
58.9 61.0 54.5 73.9 51.5
59.3 61.5 54.0 74.3 51.5
58.1 60.5 54.0 71.9 51.4
58.9 61.5 54.5 72.3 51.6
59.7 62.0 54.5 77.3 51.9
58.4 59.0 54.0 77.6 51.5
58.5 59.5 54.0 81.3 50.9
61.3 63.5 56.0 76.9 51.6
60.4 61.5 56.0 70.5 52.8
59.0 61.5 54.0 72.2 51.4
59.5 61.5 55.0 72.8 51.9
58.3 60.5 54.5 69.3 51.6
60.1 62.5 56.0 72.0 53.2
58.5 61.0 54.0 75.6 51.1
58.7 61.0 55.0 74.4 52.3
58.2 60.5 55.0 67.9 52.1
60.6 63.5 55.0 74.9 51.9
58.7 61.5 54.5 69.0 52.2
61.0 65.5 54.0 69.1 51.9
59.6 63.0 54.0 70.8 51.6
66.8 68.5 61.5 72.4 57.6
64.9 68.0 55.5 75.9 52.6
58.0 59.5 54.0 74.2 51.0
57.0 59.5 53.5 72.5 50.5
56.0 58.0 53.0 65.7 50.7
57.1 59.5 53.5 66.9 50.5
59.2 62.0 54.5 72.2 51.4
57.3 59.5 53.5 69.5 50.7
56.7 59.0 53.0 69.0 50.9
56.8 59.0 53.5 67.8 50.7
57.1 59.0 53.5 71.1 50.3
57.5 60.0 52.5 75.1 49.9
55.0 55.5 52.0 76.5 49.8
56.3 58.5 53.0 65.9 49.6
56.0 58.0 53.0 66.1 50.5
57.8 60.5 53.0 68.5 50.0
61.0 64.0 56.0 73.9 51.0
61.2 64.5 54.5 73.8 51.9
59.3 62.5 54.0 71.9 51.1
62.5 64.5 51.0 78.5 50.2
62.5 66.5 54.0 75.9 50.4
58.9 62.0 53.0 74.1 50.3
57.1 59.0 54.0 69.2 51.5
55.4 57.0 53.0 70.6 51.0
56.7 58.5 53.5 72.5 51.5
59.8 59.5 54.5 85.7 45.7

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Detector 1 (RMS)
Bandwidth: Broad Band
Freq. Wgt.: A
Detector 2 (Br. Band)
Peak/C: Frontal
Weighting:
Sound Incidence:
Windscreen Correction: OFF
CALIBRATION:
Micr.: 2379990
Sensitivity: -20.8 dB
Date: 2008 Mar 19 16:46:34
OVERALL RESULTS:
Start Date: 2008 May 07
Start Time: 18:46:04
Elapsed Time: 00:12:40
Overload: 0.0 %
Underrange: 0.0 %
RIS MEASUREMENT RESULTS:
Bandwidth: Broad Band
Freq. Wgt.: A
LMax: 85.5 dB
L5Max: 76.6 dB
L10Max: 91.1 dB
L5Min: 49.4 dB
L10Min: 52.2 dB
L5Ave: 52.5 dB
L10Ave: 66.2 dB
Leq: 57.1 dB
Leq: 64.5 dB
PEAK MEASUREMENT RESULTS:
Freq. Wgt.: C
#Peaks: 0
L5Max: 115.0 dB
LOGGED RESULTS (1 of 1):
Marker L490 L490 L490 L490
001234 dB dB dB dB
0 58.5 60.5 55.0 72.5 52.6
54.7 56.5 52.0 65.3 49.7
57.5 56.0 52.0 85.5 49.4

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Br 1 & KJ
Sound Level Meter Type 2238
Logging R/7124 ver. 1.2.0
-----
FILENAME: 012.N24
SETTINGS:
Serial no: 2285690
Range: 30.0 - 110.0 dB
Peaks Over: 140 dB
2nd Bch Rate: 4 dB
Period Time: Normal
Logged Every: 05:00

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2.5 -----
 Br el & Kjr
 Sound Level Meter Type 2238
 Logging BZ7124 ver. 1.2.0
 FILENAME: 011.N24

SETTINGS:
 Serial no: 2285722
 Range: 30.0 - 110.0 dB
 Peaks Over: 149 dB
 4 dB
 Period Time: Normal
 Logged Every: 05:00
 Detector 1 (RMS)
 Bandwidth: Broad Band
 Freq. Wgt.: A
 Detector 2 (Br. Band)
 Weighting: Peak/C
 Sound Incidence: Frontal
 Windscreen Correction: Off

CALIBRATION:
 Micr.: 2588103
 Sensitivity: -30.8 dB
 Date: 2007 Sep 12 07:44:00

OVERALL RESULTS:
 Start Date: 2008 Apr 30
 Start Time: 13:28:45
 Elapsed Time: 03:52:41
 Overload: 0.0 %
 Underrange: 0.0 %

RMS MEASUREMENT RESULTS:
 Bandwidth: Broad Band
 Freq. Wgt.: A
 LpMax 83.4 dB
 LpMax 77.0 dB
 LpMax 88.0 dB
 LpMin 40.6 dB
 LpMin 42.5 dB
 LpMin 43.2 dB
 LpMin 64.5 dB
 LpA 57.1 dB
 LpEq 63.5 dB

PEAK MEASUREMENT RESULTS:
 Freq. Wgt.: C
 #Peaks 0
 LpMax 107.8 dB

LOCKED RESULTS (1 of 1):
 Markov LAeq LA10 LA90 LAHMax
 (X)234 dB dB dB dB dB
 65.8 69.5 52.5 83.4 47.6
 55.5 58.5 51.0 64.4 45.9
 55.9 56.5 50.0 73.9 45.0
 54.0 55.5 51.0 71.4 45.4
 59.5 60.5 54.5 79.3 48.0
 55.9 59.0 46.0 73.4 42.5
 58.2 62.5 50.0 66.8 46.1
 53.5 55.5 49.5 69.2 44.8

57.2 61.5 50.0 72.0 45.5
 56.6 61.5 47.0 68.9 43.2
 59.2 62.5 46.5 67.9 43.0
 52.6 56.0 45.0 62.7 42.6
 55.8 60.0 46.0 70.2 43.2
 55.3 56.0 46.5 69.6 43.3
 51.4 54.0 47.0 63.8 43.9
 56.8 59.5 51.0 68.6 47.1
 55.2 58.0 49.5 65.6 43.5
 54.1 57.0 47.0 64.8 42.2
 59.4 64.0 48.5 69.9 43.0
 54.8 57.5 46.5 67.1 43.3
 52.8 55.0 45.5 71.8 43.1
 49.4 52.0 44.0 62.4 42.2
 58.2 63.5 45.5 70.7 42.1
 53.7 57.0 45.0 68.4 42.2
 56.2 60.0 46.0 69.7 42.1
 55.8 58.0 47.5 68.9 44.6
 54.6 57.5 47.5 69.1 43.2
 54.1 56.0 45.0 72.6 42.0
 54.7 58.5 46.5 72.1 42.5
 57.8 61.0 49.0 71.6 43.5
 51.9 57.5 44.0 77.2 40.9
 50.9 54.0 44.0 65.1 40.6
 60.1 61.5 47.0 73.4 42.8
 56.6 62.0 45.5 69.5 42.5
 61.1 63.5 46.0 81.7 43.0
 58.8 63.5 47.0 72.5 43.8
 53.2 55.5 45.5 68.7 42.5
 56.7 60.0 48.0 69.0 44.4
 57.1 61.0 47.0 73.7 45.1

3

Br el & Kjr
 Sound Level Meter Type 2238
 Logging BZ7124 ver. 1.2.0
 FILENAME: 012.N24

SETTINGS:
 Serial no: 2285722
 Range: 30.0 - 110.0 dB
 Peaks Over: 149 dB
 4 dB
 Period Time: Normal
 Logged Every: 05:00
 Detector 1 (RMS)
 Bandwidth: Broad Band
 Freq. Wgt.: A
 Detector 2 (Br. Band)
 Weighting: Peak/C
 Sound Incidence: Frontal
 Windscreen Correction: Off

CALIBRATION:
 Micr.: 2588103
 Sensitivity: -30.8 dB
 Date: 2007 Sep 12 07:44:00

OVERALL RESULTS:
 Start Date: 2008 Apr 30
 Start Time: 17:01:49
 Elapsed Time: 06:35:42
 Overload: 0.0 %
 Underrange: 0.0 %

RMS MEASUREMENT RESULTS:

Bandwidth:	Broad Band	A
Freq. Wgt.:		
L1Max	102.4 dB	
L5Max	94.2 dB	
L1Min	106.3 dB	
L5Min	39.0 dB	
L1Rms	41.1 dB	
L5Rms	40.7 dB	
L1PkAve	66.3 dB	
L5PkAve	57.9 dB	
L1Leq	65.3 dB	

PEAK MEASUREMENT RESULTS:

Freq. Wgt.:	C
#Pkaks	0
Lpkmax	114.4 dB

LOGGED RESULTS (1 of 1):

Marker	L1Ave	L1P10	L1P90	L1PMax	L1PMin
001234	61.5	62.5	47.0	87.9	44.3
	65.6	57.0	46.5	92.8	44.0
	56.8	58.5	47.0	75.8	43.9
	62.8	68.0	46.5	75.7	42.9
	59.2	61.0	46.0	82.7	43.1
	56.5	59.0	46.5	76.7	43.4
	56.8	60.0	46.5	74.2	43.2
	62.0	66.0	46.5	77.2	44.1
	60.6	65.0	46.0	75.2	42.7
	60.4	65.0	48.0	73.0	44.1
	56.6	59.5	46.0	72.6	43.3
	55.6	59.0	46.0	75.3	42.1
	56.7	57.0	45.5	76.9	42.2
	55.7	59.5	47.0	69.1	43.9
	55.7	56.0	47.0	76.4	44.3
	50.7	53.5	46.0	62.6	44.4
	53.5	56.0	47.5	67.4	44.8
	57.2	60.5	47.0	72.4	43.6
	57.0	60.0	45.5	73.4	43.1
	49.2	50.5	44.5	66.7	43.0
	47.9	49.0	44.0	69.2	42.2
	54.2	55.0	47.0	70.6	44.5
	52.8	54.5	47.0	70.1	45.0
	55.3	57.5	48.5	68.4	45.1
	56.1	58.5	47.0	71.1	44.3
	57.1	58.5	43.5	72.0	42.0
	46.7	47.5	43.5	64.9	42.1
	49.2	49.5	45.5	67.8	45.3
	51.3	52.0	47.0	67.8	47.1
	50.7	50.0	48.5	70.2	47.1
	50.2	51.5	46.5	73.7	45.1
	50.6	49.5	48.0	75.5	46.4
	50.3	50.5	47.0	69.8	45.8
	50.8	54.5	47.5	76.8	44.2
	55.0	54.5	47.5	76.8	45.4
	51.6	51.0	49.5	57.6	45.3
	48.9	51.0	48.5	65.8	47.0
	48.7	49.5	47.5	53.8	46.0
	51.7	49.5	47.0	60.3	46.4
	61.0	62.5	47.5	70.3	46.3
	55.0	56.0	47.5	71.1	46.3

54.9	50.5	47.0	74.4	46.4
55.9	52.0	47.5	73.2	46.6
49.6	50.5	47.5	63.4	46.5
50.6	50.5	47.5	69.6	46.2
49.2	50.0	47.5	67.0	46.2
50.9	51.0	50.0	53.7	49.6
61.1	63.5	47.5	78.8	46.4
48.6	49.0	47.0	68.1	45.8
61.2	62.5	46.0	79.2	42.9
62.0	67.0	45.0	79.9	43.4
63.9	68.5	44.5	81.4	43.4
61.1	65.5	44.0	82.7	42.8
59.9	57.0	43.0	80.3	41.9
45.4	46.5	43.0	65.7	42.0
56.7	62.0	45.0	72.1	43.3
58.8	62.5	45.5	76.9	42.9
46.7	47.5	44.0	62.1	43.0
47.5	47.0	43.5	71.8	41.8
44.8	46.0	43.0	59.2	42.4
16.1	17.5	14.0	58.7	42.9
45.2	46.0	44.0	57.5	42.8
51.9	47.0	44.0	74.2	42.9
59.7	65.0	45.0	76.0	43.6
54.5	51.5	44.5	73.4	43.2
60.3	61.5	44.5	81.1	43.3
65.6	71.0	45.0	79.1	44.0
63.7	67.5	45.0	83.1	44.0
48.6	46.5	44.5	71.5	43.0
52.4	50.5	44.0	72.0	42.7
53.7	52.0	43.0	70.7	41.9
55.7	55.5	43.0	74.3	42.2
61.5	61.5	43.5	87.2	42.2
55.8	56.0	45.0	77.1	43.0
65.2	67.5	45.0	87.2	44.3
54.1	48.0	45.0	77.7	43.8
52.7	48.5	45.5	77.2	44.6
17.4	17.5	14.5	69.6	43.8
16.8	17.5	15.5	50.6	43.7
61.3	64.5	44.5	79.1	43.8
64.3	69.0	44.5	83.8	43.6
16.0	17.0	14.5	49.5	43.7
15.7	17.0	14.0	51.5	43.3
46.5	47.0	44.5	70.2	43.1
45.7	47.0	44.0	48.6	43.2
53.5	50.5	44.5	73.5	42.8
65.2	66.0	44.0	47.6	43.1
45.8	47.0	44.5	49.9	43.4
45.9	47.5	44.5	49.1	43.6
45.7	47.0	44.5	48.2	43.4
47.7	50.0	45.0	53.2	44.1
46.4	47.5	45.0	49.0	43.7
45.5	46.5	44.0	48.5	43.3
45.7	47.0	44.5	48.8	43.3
45.9	47.0	44.5	48.2	43.5
45.7	47.0	44.5	50.8	43.6
47.6	47.5	44.0	65.6	43.2
45.2	47.0	44.0	49.0	43.2
44.9	46.5	43.5	48.3	42.9
45.1	46.5	43.5	47.9	43.0
45.0	46.5	43.5	68.3	42.7
45.0	46.5	43.5	50.4	42.2
45.2	46.5	43.5	54.0	42.6
45.2	46.5	43.5	53.6	42.7
45.3	46.5	43.5	55.8	42.8
44.6	46.5	43.5	47.5	42.5
45.1	46.5	43.5	52.8	42.5
44.3	46.0	43.0	47.3	42.4
45.2	46.5	43.5	49.9	43.0
44.9	46.5	43.5	47.7	42.9
44.8	46.5	43.5	47.8	42.6
44.6	46.0	43.0	48.0	42.6

52.8	56.5	43.5	65.1	42.9
44.9	46.0	43.0	54.7	42.3
45.1	47.0	43.5	48.0	42.8
46.2	47.0	45.0	50.2	43.4
46.3	47.5	44.5	50.3	42.7
46.4	47.5	45.0	50.4	42.6
46.5	47.5	44.5	48.8	42.8
46.5	47.5	45.0	49.1	43.2
47.4	48.5	46.0	49.8	43.2
45.6	46.5	43.5	51.5	42.7
53.7	53.5	44.0	74.5	42.6
54.8	50.5	45.5	70.5	42.9
56.9	61.5	46.0	67.6	43.5
53.6	57.5	46.5	69.0	44.8
50.5	52.0	46.0	69.1	44.2
58.0	61.0	46.0	73.2	43.8
55.1	59.0	46.0	71.4	43.0
56.8	58.0	46.5	73.0	44.1
61.0	65.5	46.5	75.8	44.0
57.3	61.5	46.5	73.1	44.1
60.1	63.5	47.0	73.7	43.7
58.5	62.5	47.5	70.1	43.7
58.5	62.5	46.0	70.3	42.9
56.2	60.5	46.0	69.8	43.0
56.5	61.0	45.5	67.9	41.0
59.0	63.0	44.5	73.5	40.4
57.3	61.5	45.0	73.2	41.4
55.4	59.0	46.5	67.5	41.4
59.5	61.5	49.5	68.8	43.0
62.1	66.0	54.0	71.6	47.4
62.2	63.5	50.5	70.9	48.5
61.0	65.0	50.0	78.9	43.0
61.4	63.5	50.0	74.4	45.1
62.2	66.0	49.5	74.1	41.4
63.7	62.5	47.0	74.0	42.5
63.1	60.5	53.0	73.8	41.7
63.8	64.5	47.0	68.6	42.4
66.9	66.5	47.0	72.3	43.0
63.5	63.5	48.5	68.8	43.7
67.1	61.5	47.0	69.2	42.1
68.0	62.5	47.5	69.6	43.1
68.7	63.0	47.5	80.9	41.6
61.7	62.5	45.5	80.9	42.3
66.7	60.5	46.0	71.1	41.2
66.2	63.0	46.0	68.2	41.8
61.9	64.5	46.5	78.7	42.9
68.1	60.0	48.0	76.3	41.2
66.3	63.0	45.5	78.8	41.1
66.8	59.5	49.0	67.6	42.2
64.8	63.5	44.0	81.4	39.8
54.8	63.5	44.0	81.4	39.6
50.2	62.0	42.5	72.6	39.6
60.7	64.5	49.5	69.4	43.1
53.0	55.5	44.0	72.0	40.4
53.8	57.5	45.0	67.5	42.0
54.6	68.0	44.5	68.4	40.3
59.0	64.0	45.5	68.2	41.4
58.7	61.0	45.5	70.3	41.2
55.3	53.3	44.5	68.8	41.2
52.6	56.0	44.5	66.8	41.5
54.3	57.0	45.0	68.5	42.2
61.0	67.0	46.5	79.9	41.9
54.9	58.0	44.5	74.6	41.7
55.7	58.5	49.5	66.1	43.2
50.7	53.5	45.5	65.8	42.4
58.0	63.0	46.0	69.2	41.3
54.4	57.0	44.5	72.6	41.3
57.4	62.0	45.0	65.8	41.9
54.8	59.0	44.5	68.8	41.8

57.1	61.5	46.0	67.9	43.1
60.5	47.5	71.5	42.6	
57.5	46.0	68.9	40.4	
57.5	44.5	71.0	41.0	
58.2	45.5	71.2	42.6	
58.9	46.0	76.6	40.4	
59.2	45.0	69.0	40.3	
59.9	45.0	67.7	41.7	
59.2	45.0	68.5	40.7	
62.3	45.5	73.0	42.1	
57.3	44.0	68.7	40.6	
55.4	44.5	67.5	41.3	
51.0	51.0	42.0	69.4	39.3
51.2	38.0	43.5	67.6	39.6
52.4	36.0	43.0	68.2	39.3
53.6	39.2	45.5	70.2	39.9
58.5	63.5	46.0	70.6	41.4
54.1	57.0	45.0	69.7	40.1
50.9	54.0	42.5	67.8	39.0
56.8	62.0	48.0	68.2	40.9
57.2	62.0	48.0	66.4	42.7
55.3	57.0	45.0	63.6	40.8
50.3	53.5	43.5	62.1	39.0
68.5	60.5	44.5	87.2	40.6
57.5	62.5	46.0	69.5	40.1
52.6	56.0	44.5	68.3	41.4
54.0	58.0	45.5	67.0	42.0
38.5	63.0	48.0	73.4	44.2
60.2	64.5	47.5	68.1	42.1
58.7	63.0	47.5	71.2	42.8
57.4	60.5	47.0	77.3	42.6
53.9	56.5	45.0	70.3	42.6
52.6	55.0	47.5	70.4	43.1
48.6	51.0	43.0	65.2	40.7
51.9	55.0	44.5	64.2	40.9
53.1	56.5	44.5	67.9	40.1
51.7	56.0	43.0	63.6	41.0
52.3	53.5	42.0	78.3	39.5
53.2	55.5	48.5	67.1	44.3
54.4	57.0	48.5	73.9	44.2
53.9	55.5	49.5	65.8	44.8
54.2	56.5	49.5	76.0	44.9
54.0	56.5	49.5	67.0	44.8
53.3	55.5	49.5	67.5	45.2
56.6	59.0	52.0	66.6	45.3
57.0	59.0	52.5	78.7	47.4
58.0	59.0	50.0	81.6	45.1
55.8	57.5	49.0	79.2	44.4
57.1	58.5	49.0	72.7	45.2
59.4	62.5	51.0	76.5	45.2
56.8	59.5	51.0	71.9	46.4
51.5	56.5	50.0	71.9	45.7
53.4	55.5	49.5	67.2	45.3
54.5	55.5	49.0	63.9	45.2
56.7	60.0	50.5	72.6	45.8
55.9	56.5	50.0	70.9	45.7
58.1	61.5	50.0	71.7	45.1
57.8	58.0	50.0	79.5	45.1
67.6	60.0	50.5	88.0	45.3
66.1	60.5	49.5	89.5	44.5
56.2	57.5	50.0	71.1	45.1
52.7	54.5	48.5	65.3	44.9
55.8	56.5	49.5	78.8	44.7
58.9	63.5	51.5	77.0	46.1
53.6	55.5	50.0	63.2	45.6
57.6	60.0	51.0	66.9	45.7
57.8	61.0	50.0	71.8	45.5
56.8	59.5	50.0	71.1	45.2
50.2	56.5	49.5	72.7	45.5
55.4	58.0	50.0	69.5	45.8

57.0	59.5	49.5	71.1	44.7
59.2	61.0	50.0	76.5	44.8
53.6	55.5	49.5	66.6	45.9
60.1	62.5	50.5	79.8	47.2
67.9	60.5	49.0	94.4	44.8
68.5	68.0	49.0	93.5	44.8
61.6	61.5	48.5	80.2	44.9
65.9	68.0	50.0	83.1	45.6
61.8	64.5	50.0	78.2	44.4
62.0	65.0	49.5	79.3	44.7
58.1	64.0	49.0	78.3	45.1
59.7	64.0	50.5	70.2	45.1
58.4	61.0	51.0	74.9	45.2
55.8	59.0	49.5	70.4	44.9
56.1	57.5	49.5	69.9	45.0
57.5	60.0	50.0	71.0	44.8
56.5	58.0	49.5	69.3	45.2
55.5	56.5	49.0	69.3	45.2
54.6	55.5	49.5	69.1	45.2
57.7	62.0	49.0	69.0	44.6
55.3	58.0	49.5	69.1	45.3
54.6	57.0	50.5	66.7	45.7
55.6	58.5	50.0	67.8	45.5
54.7	57.0	49.0	67.9	45.0
54.4	56.5	49.5	70.0	45.1
51.2	56.5	49.5	68.3	45.4
54.0	56.5	49.0	65.9	44.8
53.8	56.0	48.5	68.8	44.2
56.0	59.0	49.0	71.2	44.0
53.6	55.0	47.5	70.6	44.2
61.6	66.5	49.5	77.2	44.7
61.0	65.5	49.5	78.3	44.1
58.0	60.0	49.5	72.9	44.7
70.3	71.5	50.0	91.3	44.4
54.9	57.5	49.5	70.6	44.8
54.3	57.5	49.0	64.9	44.8
52.0	51.0	47.5	62.0	44.5
55.5	57.5	48.0	74.3	44.7
51.2	56.5	48.5	72.8	44.5
61.1	63.5	50.5	79.1	46.1
58.2	59.0	48.5	76.5	45.0
58.1	60.0	49.0	77.6	45.4
53.2	54.0	48.0	71.9	44.8
53.5	56.0	47.5	68.9	44.8
51.5	52.0	47.0	75.0	43.8
51.5	53.0	48.0	68.5	44.9
53.7	54.0	48.0	67.5	44.9
52.2	53.5	48.0	70.1	45.8
52.9	53.5	48.5	70.9	45.2
56.8	55.5	48.0	81.6	45.2
51.9	51.5	47.0	78.0	45.2
50.7	51.5	47.5	84.4	45.2
50.6	51.5	47.5	82.0	45.2
50.9	57.0	47.5	81.9	44.5
55.4	53.0	47.5	76.0	44.0
52.6	53.0	48.5	68.2	44.2
57.9	59.0	48.5	74.5	45.1
55.7	56.0	47.0	60.8	44.9
55.5	56.0	47.0	74.7	44.2
55.0	53.0	48.0	78.9	44.7
52.3	55.5	47.5	77.7	44.7
57.5	52.0	47.0	80.5	44.3
54.4	51.5	48.0	87.2	45.1
58.8	51.5	47.0	85.7	45.0
58.8	51.5	47.0	80.9	45.1
53.3	51.5	47.5	70.0	45.1
52.8	51.5	47.5	71.8	45.1
58.9	59.5	48.0	77.8	45.0

60.4	61.0	47.5	80.7	45.4
60.0	60.5	47.5	79.8	45.3
64.1	69.0	48.5	78.8	45.9
61.6	62.0	48.0	80.0	44.8
60.5	61.5	48.0	80.9	45.6
65.4	68.5	49.0	87.1	45.9
51.2	52.0	47.5	67.9	45.8
50.7	51.5	48.0	53.7	46.1
55.1	57.0	48.0	70.1	45.6
59.9	64.0	48.0	78.4	45.5
62.9	65.5	48.5	83.8	46.0
63.3	63.5	48.0	88.9	45.8
51.2	51.5	47.5	74.7	45.8
50.6	51.5	47.5	55.6	45.7
50.7	51.5	47.5	56.4	46.1
50.7	51.5	47.5	51.8	45.5
52.4	52.5	48.0	63.2	45.7
50.6	51.5	47.5	64.7	45.5
55.2	53.0	47.5	75.2	45.3
57.4	54.0	48.0	77.2	45.8
51.6	51.5	47.5	72.9	45.2
70.2	73.0	49.5	89.5	46.0
61.3	56.0	48.0	82.4	45.6
51.5	51.5	47.5	53.1	45.3
52.9	52.0	47.5	71.5	45.4
51.0	51.6	47.5	59.5	45.7
53.6	52.0	48.0	76.8	45.9
53.3	52.0	48.0	73.1	45.8
52.2	52.0	48.0	74.0	46.0
50.8	51.5	48.0	53.7	45.7
50.7	51.5	47.5	53.3	46.0
50.8	51.5	48.0	57.0	45.9
50.6	51.5	47.5	52.5	44.9
50.7	51.5	47.5	53.1	45.8
50.6	51.5	47.5	59.4	45.6
51.9	52.0	48.0	63.6	46.0
53.1	51.5	48.0	63.6	45.6
50.6	51.5	47.5	57.8	45.7
50.4	51.5	47.5	53.0	45.1
50.5	51.5	47.5	52.3	45.3
52.1	51.5	47.5	72.6	45.1
50.6	51.5	47.5	52.4	45.7
50.7	51.5	47.5	54.5	45.7
50.4	51.5	47.0	52.5	44.9
50.5	51.5	47.5	54.4	45.2
50.5	51.5	47.5	52.4	45.1
50.7	51.5	47.5	38.8	45.3
50.8	52.0	48.0	52.6	45.8
50.7	51.5	47.5	52.4	45.3
50.7	51.5	48.0	52.9	45.5
53.6	51.5	47.5	71.0	45.1
51.9	52.0	48.0	66.6	45.2
50.8	51.5	47.5	64.1	45.3
52.6	51.5	47.5	69.5	45.4
51.1	51.5	48.0	61.4	45.5
50.8	52.0	48.0	62.7	45.5
51.5	51.5	48.0	68.0	44.8
50.8	51.5	48.0	65.0	44.8
50.8	51.5	48.0	66.3	45.8
53.8	56.0	48.5	64.3	45.9
50.6	51.5	47.5	64.3	45.2
50.3	51.5	47.0	52.5	44.8
50.3	51.5	47.0	52.2	45.0
50.3	51.5	47.0	52.4	44.6
50.3	51.5	47.0	52.6	44.8
50.3	51.5	46.5	46.5	44.4
50.3	51.5	47.0	53.1	44.4
50.3	51.5	47.0	52.2	45.0

50.2	51.5	47.0	52.5	45.0
50.2	51.5	47.0	52.5	44.3
60.8	66.0	48.5	74.4	45.3
51.0	57.0	49.0	65.2	45.7
51.1	52.0	48.0	57.4	45.9
51.0	52.0	48.5	53.2	45.4
51.3	52.5	48.5	55.8	46.1
51.7	52.5	48.0	55.5	45.5
51.3	52.0	47.5	55.1	45.1
51.0	52.0	48.0	57.9	45.7
51.0	52.0	48.0	63.0	44.7
51.3	53.0	48.0	56.9	45.1
53.7	55.5	48.5	66.1	45.0
60.8	62.5	50.0	76.0	45.2
57.1	60.5	52.0	60.2	47.1
62.4	64.5	52.0	76.1	46.4
62.2	64.5	53.0	80.4	46.4
59.6	62.0	53.0	72.1	48.1
67.5	73.5	56.5	80.1	40.9
67.0	70.5	54.5	70.9	40.9
63.2	67.0	54.5	78.6	48.7
62.7	65.5	55.0	72.7	48.7
60.1	64.0	53.0	71.2	48.7
62.2	66.0	52.5	70.5	47.8
62.3	65.5	54.0	71.9	48.9
62.6	67.0	54.0	67.4	50.4
54.9	54.9	52.5	62.4	49.0
56.0	58.0	51.5	70.9	48.3
58.1	59.5	51.5	69.2	47.3
62.5	62.5	51.5	77.5	48.3
63.0	63.0	52.5	72.5	46.0
59.5	64.0	53.0	70.0	49.4
57.4	60.0	53.0	68.3	50.0
57.5	61.5	52.0	68.4	47.4
60.7	64.0	53.5	73.7	48.1
38.5	62.5	52.5	68.5	47.1
57.7	61.0	51.0	71.9	45.5
57.8	61.5	51.5	70.5	47.7
59.3	59.5	57.0	69.4	55.2
58.5	59.5	57.0	69.4	58.0
61.0	62.5	59.0	69.5	58.0
59.0	60.5	56.0	70.9	52.7
61.1	65.0	55.5	70.9	52.3
56.8	58.5	53.0	68.0	50.4
60.9	64.0	53.0	69.8	49.5
55.9	57.5	53.0	69.6	49.5
58.1	62.5	52.0	73.0	47.8
70.0	63.0	51.5	102.4	46.7
58.0	61.5	51.5	70.1	47.1
61.2	65.0	53.0	69.1	47.2
59.4	64.0	51.5	68.3	46.2
60.5	64.5	53.0	68.9	45.9
55.5	57.0	52.5	67.5	49.7
55.6	56.5	53.5	65.4	51.1
56.1	58.0	53.5	67.0	49.4
58.7	62.0	53.0	72.3	49.5
55.8	58.5	52.5	64.9	48.7
60.8	62.0	58.0	81.1	56.4
63.5	65.5	59.0	70.1	57.4
68.0	69.5	65.5	73.9	57.4
65.6	67.5	61.5	73.9	57.4
60.4	63.0	56.5	68.2	53.6
61.3	64.5	54.0	74.6	50.2
56.1	58.5	52.0	69.7	49.3
58.5	64.5	54.0	70.2	50.3
58.8	60.0	55.5	69.5	52.4
60.1	63.5	56.0	69.4	51.3
59.5	63.5	52.5	67.4	48.9
58.1	63.0	51.0	70.6	47.4
60.6	63.5	51.0	85.7	46.9
58.9	63.5	51.5	69.8	47.1
58.9	62.5	52.0	69.5	46.8
60.0	64.0	51.5	69.0	47.1
57.3	61.5	49.0	68.3	46.6

58.7	63.5	63.5	63.5	69.1	47.8
61.5	64.5	64.5	64.5	68.8	48.2
55.1	58.5	49.5	68.6	68.6	45.7
54.2	56.5	48.5	62.9	62.9	44.7
52.9	55.5	48.5	70.8	70.8	44.9
55.0	62.5	49.5	69.3	69.3	45.2
54.3	57.0	48.5	70.3	70.3	44.4
54.4	57.0	48.5	70.5	70.5	44.1
52.2	54.5	48.5	71.4	71.4	44.8
53.6	60.5	48.5	69.3	69.3	44.0
55.3	56.5	53.0	63.0	63.0	49.9
55.7	61.0	52.5	69.1	69.1	48.0
57.5	66.0	53.0	70.5	70.5	46.5
62.4	66.5	54.0	68.2	68.2	49.6
55.7	58.0	51.5	72.2	72.2	47.9
55.1	56.5	50.5	71.4	71.4	46.0
58.0	63.5	50.0	70.6	70.6	44.6
58.0	56.0	49.0	75.3	75.3	44.8
59.2	61.0	51.5	76.6	76.6	45.2
54.6	57.5	49.5	66.8	66.8	44.4
55.0	57.0	49.0	69.7	69.7	44.7
58.4	61.5	49.0	77.9	77.9	44.1
54.9	58.5	48.5	66.5	66.5	44.1
58.5	62.5	51.0	69.7	69.7	44.9
55.1	54.5	48.5	49.0	70.8	44.5
54.2	54.5	48.5	73.7	73.7	44.1
59.5	64.0	49.0	71.9	71.9	44.1
55.8	58.5	49.5	70.0	70.0	44.7
57.2	61.0	50.0	68.5	68.5	44.5
54.4	55.0	48.0	66.9	66.9	44.0
53.3	56.5	48.5	69.8	69.8	44.2
55.5	59.0	49.0	67.5	67.5	44.1
54.6	54.5	48.5	64.1	64.1	44.2
52.5	58.0	48.5	67.2	67.2	44.0
51.2	54.5	48.0	69.3	69.3	44.1
56.2	58.5	48.5	70.5	70.5	43.9
56.2	58.5	48.0	74.5	74.5	44.2
57.6	62.0	51.0	71.5	71.5	45.5
61.2	66.5	49.5	66.1	66.1	45.0
51.6	53.5	48.0	62.9	62.9	43.9
51.1	57.0	48.0	72.5	72.5	43.9
57.0	59.0	53.0	64.7	64.7	44.7
53.1	55.5	48.0	65.2	65.2	44.1
59.3	64.0	50.0	72.0	72.0	44.0
53.4	55.5	48.5	69.4	69.4	44.2
53.8	57.0	48.5	66.6	66.6	44.1
56.6	59.0	48.5	68.7	68.7	44.4
52.5	54.5	49.0	70.3	70.3	44.1
51.9	54.0	47.5	66.1	66.1	44.2
53.3	56.0	50.0	66.3	66.3	44.6
53.8	55.5	49.5	66.5	66.5	45.0
53.2	59.0	49.0	69.9	69.9	44.8
53.6	51.0	47.5	73.5	73.5	44.3
53.3	55.0	48.5	65.1	65.1	44.7
52.7	55.0	49.5	67.0	67.0	44.4
54.3	56.5	49.5	64.6	64.6	44.5
52.9	55.0	48.5	78.2	78.2	45.2
55.0	55.0	49.0	72.3	72.3	45.2
54.9	60.0	50.0	70.9	70.9	45.3
53.5	56.0	48.5	67.7	67.7	44.7
56.4	58.5	50.0	68.5	68.5	44.6
54.5	56.5	49.0	72.1	72.1	45.0

55.1	57.5	48.5	71.4	44.7
54.6	49.0	70.5	44.8	44.8
58.7	63.0	50.5	71.1	45.6
56.0	59.5	49.5	68.0	45.5
54.0	56.0	49.0	73.6	44.8
54.2	55.5	48.0	70.9	44.7
54.6	56.5	48.0	70.6	44.4
53.1	54.0	49.0	66.6	44.9
53.9	56.0	49.0	66.6	44.9
57.6	60.5	50.5	72.2	45.1
52.7	54.5	47.5	66.0	44.3
54.0	57.0	48.5	67.2	44.7
55.5	58.0	48.5	67.4	44.6
54.5	57.5	48.0	68.2	44.6
58.4	58.5	50.0	78.2	45.7
52.0	54.5	48.5	71.0	44.8
55.4	58.5	49.0	70.8	44.7
57.7	57.0	48.5	79.0	44.7
58.4	60.0	50.5	75.6	45.6
55.5	57.5	49.5	73.5	44.8
59.7	60.5	49.5	78.7	45.6
50.9	52.0	47.5	58.3	44.7
54.8	57.0	48.5	67.9	45.1
65.9	56.5	48.5	90.8	44.8
60.6	57.0	50.5	91.4	45.2
53.7	55.5	49.5	69.2	46.2
54.1	54.0	49.0	77.1	46.3
59.3	63.0	50.0	78.3	46.1
60.3	63.5	50.0	78.8	45.8
56.9	58.5	49.0	74.0	45.6
55.6	57.5	48.0	75.8	45.7
55.3	56.0	48.0	76.4	45.0
51.9	51.0	47.5	65.6	45.2
51.1	51.0	47.5	69.9	45.8
52.0	53.0	48.0	70.0	45.6
51.3	52.0	48.0	64.9	45.0
54.7	55.5	48.5	70.8	45.7
60.8	65.5	49.5	79.8	45.0
51.8	52.0	47.0	50.4	45.0
51.8	52.5	47.5	62.0	45.1
51.9	52.5	47.5	72.9	44.7
53.5	53.0	47.5	72.0	45.2
58.5	62.0	49.0	72.9	45.7
52.5	52.5	47.0	68.7	43.1
51.5	51.5	47.0	58.9	43.1
51.5	51.5	47.0	70.9	45.1
56.0	56.0	47.0	70.2	45.1
50.4	51.5	47.0	63.4	45.1
51.5	51.5	47.0	58.3	44.8
65.8	52.5	47.0	90.5	44.8
50.2	52.0	47.0	60.5	44.8
51.2	52.0	47.0	67.2	45.4
51.3	51.5	47.0	68.1	45.3
54.5	55.0	47.0	74.1	44.9
62.5	62.5	47.5	77.5	44.7
62.9	62.0	47.0	74.3	45.0
54.2	52.0	47.0	72.4	45.0
53.2	51.5	46.5	67.6	45.2
51.2	51.0	46.5	66.8	44.9
50.7	51.5	47.0	73.0	45.0
53.9	51.5	47.0	77.8	44.9
56.1	54.5	47.5	72.8	45.4
63.5	66.5	48.0	78.1	45.4
52.2	51.5	47.0	72.4	45.3
64.0	69.0	47.5	80.1	45.3
59.7	61.0	47.5	80.1	45.3
56.0	59.0	47.5	75.8	45.1
68.8	70.5	47.5	90.4	44.9
53.1	52.0	47.0	72.6	44.9

53.8	55.5	48.5	70.7	45.6
59.1	60.5	51.5	76.0	47.0
61.3	66.5	51.5	75.6	47.1
55.4	55.5	49.0	69.8	45.6
62.2	67.0	49.0	80.3	45.6
57.9	60.5	48.5	72.4	45.8
53.1	51.5	47.5	74.0	45.8
61.2	62.5	49.0	78.0	46.1
60.0	62.0	48.0	76.7	45.8
64.2	69.0	49.5	78.5	47.0
56.5	58.5	49.0	72.5	46.6
52.5	54.5	49.0	63.0	46.0
57.5	58.0	49.0	75.5	46.5
54.9	60.0	48.5	74.6	46.3
58.9	60.5	48.5	75.5	46.0
51.7	52.5	47.5	67.9	45.7
52.1	52.0	47.5	74.0	45.6
55.8	57.5	48.5	82.2	45.1
58.8	54.5	47.5	67.6	45.7
50.9	51.5	47.5	67.6	45.7
55.6	52.0	48.0	80.1	45.6
56.7	53.5	48.5	76.5	46.2
50.9	52.0	48.0	52.9	45.4
53.0	52.0	48.0	60.6	45.4
51.2	52.0	48.0	66.1	45.7
50.8	52.0	48.0	63.5	45.4
50.7	51.5	47.5	60.5	45.2
61.2	52.0	48.5	86.2	46.2
51.0	52.0	48.0	66.2	45.5
51.4	51.5	47.5	67.2	45.7
52.4	52.0	48.5	71.3	46.3
51.0	52.0	48.0	54.9	46.0
51.7	53.0	48.0	69.7	46.0
54.5	57.2	48.5	67.5	46.1
54.1	59.0	48.5	67.3	46.2
51.7	54.0	48.0	60.9	45.5
52.4	52.0	48.0	69.8	45.9
53.4	56.5	48.0	68.0	45.9
53.6	56.0	48.0	66.7	45.6
51.7	53.5	48.0	71.7	45.9
51.8	53.5	48.0	65.1	45.9
51.4	52.0	48.0	64.5	45.8
50.7	51.5	47.5	66.9	45.9
50.7	51.5	47.5	63.7	46.0
50.5	51.5	47.5	52.5	45.8
50.5	51.5	47.5	52.4	45.5
50.6	51.5	47.5	52.6	45.8
50.7	51.5	47.5	52.6	46.0
51.2	52.0	48.0	65.9	45.5
51.0	52.5	47.5	67.2	45.1
50.2	54.0	48.5	68.7	46.2
50.7	56.5	48.5	67.1	46.2
51.1	54.0	48.5	66.7	46.2
51.3	55.8	49.0	68.4	46.4
51.5	54.5	48.5	67.2	46.5
51.1	54.0	48.5	68.0	46.5
50.7	58.0	49.0	68.5	46.2
50.9	59.5	49.5	67.3	46.1
50.9	59.5	49.0	68.9	46.9
50.3	56.0	49.0	64.1	46.8
50.9	56.1	49.5	65.0	46.7
51.3	58.7	50.0	65.4	46.4
50.9	56.5	49.5	66.1	46.4
50.1	54.5	49.5	62.5	46.6
50.5	54.5	49.5	61.3	46.0
50.2	56.9	50.0	58.9	46.0
50.6	57.0	50.0	59.5	46.3

51.3	56.1	49.8	59.2	46.5
51.2	56.5	48.5	59.6	46.7
50.7	56.5	49.2	59.5	47.5
50.9	56.0	49.0	60.5	48.7
51.8	61.0	50.0	64.3	47.7
51.1	59.3	50.0	66.8	47.2
50.5	59.5	49.6	64.8	47.0
51.2	60.5	50.1	66.5	48.5
51.4	60.7	50.6	69.0	47.9
50.2	62.0	50.0	67.2	49.3
49.6	57.8	47.5	60.2	46.5
50.1	59.1	48.7	61.0	47.1
50.7	56.3	47.0	61.3	46.5
51.0	59.0	47.0	62.8	46.8
49.9	59.5	48.5	70.0	46.1
50.2	57.0	47.5	68.9	46.1
52.2	61.3	48.0	70.5	46.5
50.0	60.3	48.0	70.2	46.2
50.6	57.5	49.3	69.5	45.4
52.0	64.5	49.0	65.9	45.4
52.0	61.0	49.3	69.0	49.7
51.8	51.0	48.5	67.3	44.9
49.5	58.9	49.0	62.5	44.9
52.2	60.2	49.5	70.0	45.7
52.2	58.3	50.0	65.7	45.2
54.2	57.5	49.5	64.8	45.0
51.7	58.0	49.5	67.0	45.0
51.4	59.0	49.5	67.8	45.3
50.9	64.5	51.0	72.2	46.4
51.8	57.0	51.0	69.0	46.4
53.5	58.5	51.0	69.5	45.6
57.7	60.5	51.5	73.7	47.2
51.9	57.0	49.5	71.2	44.1
54.7	58.0	49.5	65.1	45.1
54.7	58.0	49.5	66.9	44.7
59.3	64.0	50.5	68.0	44.6
57.4	61.5	50.0	70.2	45.4
57.4	61.0	49.5	70.8	45.2
60.4	65.0	50.0	74.3	44.6
55.1	58.0	50.0	67.9	45.4
51.5	57.5	50.0	67.9	45.6
51.8	57.5	50.0	63.8	44.6
54.2	56.5	50.5	64.1	45.7
53.7	55.5	49.5	70.0	46.1
57.0	62.0	49.5	67.9	45.5
56.3	60.0	49.0	71.8	44.7
53.8	56.0	49.5	69.6	45.6
51.9	51.5	48.5	64.0	45.1
55.4	57.5	51.0	69.0	45.0
56.7	60.5	50.5	69.4	45.2
57.5	59.5	51.0	74.5	45.0
55.0	57.0	49.0	69.8	45.3
52.8	55.0	48.5	67.3	44.4
53.8	55.5	49.5	67.1	44.5
53.9	56.0	48.5	66.4	44.6
52.1	55.0	47.5	65.6	43.7
51.4	54.0	46.5	63.0	42.1
50.2	52.5	46.0	65.2	43.7
55.4	58.0	47.0	69.6	43.2
54.2	55.5	49.0	66.2	44.5
54.2	55.5	49.0	72.2	44.6
58.5	61.0	50.5	66.0	45.0
52.4	54.5	48.0	65.5	44.1
51.7	51.0	47.5	65.0	44.4
54.4	56.5	49.0	71.2	44.8
54.1	57.0	49.0	64.4	44.2

54.5	57.0	49.5	66.1	44.3
53.5	55.5	49.0	67.8	44.5
55.2	58.0	49.5	72.2	45.0
54.5	56.0	48.5	71.2	42.3

 Br 1 & K1
 Sound Level Meter Type 2238
 Logging BZ7124 ver. 1.2.0

 FILENAME: 013_M24

 SETTINGS:
 Serial no: 2285722
 Range: 30.0 - 110.0 dB
 Peaks Over: 140 dB
 2nd Ech. Rate: 4 dB
 Period Time: Normal
 Logged Every: 05:00
 Detector 1 (RMS)
 Bandwidth: Broad Band
 Freq. Wgt.: A
 Detector 2 (Br. Band)
 Weighting: Peak/C
 Sound Incidence: Horizontal
 Windscreen Correction: Off

 CALIBRATION:
 Mic: 2588103
 Sensitivity: -50.8 dB
 Date: 2007 Sep 12 07:44:00

 OVERALL RESULTS:
 Start Date: 2008 May 03
 Start Time: 11:41:12
 Blipped Time: 07:03:40
 Overload: 0.0 %
 Underrange: 0.0 %

 RMS MEASUREMENT RESULTS:
 Bandwidth: Broad Band
 Freq. Wgt.: A

L10	93.4 dB
L10M	88.9 dB
L10N	99.1 dB
L10Min	38.7 dB
L10Max	41.2 dB
L10Avg	40.8 dB
L10Std	67.2 dB
L10Leq	58.2 dB
L10Max	66.3 dB

 PEAK MEASUREMENT RESULTS:
 Freq. Wgt.: C
 #Peaks: 0
 L10max: 109.4 dB

 LOGGED RESULTS (1 of 1):
 Marker L10 L10M L10N L10Min L10Max
 (M)234 dB dB dB dB dB

55.4	99.0	45.5	74.5	42.4
52.8	56.0	46.0	65.3	42.8
51.3	54.0	46.0	66.8	42.1
51.4	56.5	45.5	68.3	40.9
60.0	62.0	45.0	80.8	40.2
56.8	59.5	45.0	76.7	40.6
53.1	56.5	44.5	64.5	39.6
56.3	59.0	47.0	71.4	42.2
52.4	54.0	45.0	65.1	40.6
53.0	51.0	44.0	74.1	40.6
50.7	53.0	44.0	66.2	40.4
53.1	56.0	44.5	71.7	40.8
51.2	54.5	44.5	66.8	41.1
54.1	57.0	46.0	70.8	41.5
51.6	53.5	45.0	72.1	41.7
56.3	59.5	49.0	72.4	44.7
61.6	63.5	50.5	82.0	42.6
55.3	58.5	47.0	67.0	42.2
54.8	57.5	48.0	69.9	41.6
53.0	55.5	46.5	65.0	41.4
51.5	55.0	44.5	61.5	41.7
47.8	51.0	42.0	63.0	39.4
51.5	55.0	43.5	66.8	39.2
51.2	54.0	44.0	67.7	40.6
54.4	58.0	46.5	70.9	40.6
55.1	58.0	45.0	73.3	42.1
54.8	57.5	45.0	67.2	42.1
52.2	55.5	44.5	66.3	41.5
49.6	52.0	43.5	66.9	41.4
50.6	53.5	43.5	69.9	41.9
49.6	52.5	44.5	62.1	42.0
53.7	57.5	46.0	67.0	41.8
50.8	54.0	44.5	63.7	41.2
52.0	54.5	44.5	65.5	41.9
54.6	56.5	43.5	75.3	41.5
56.8	55.0	44.0	79.6	41.5
51.1	54.0	44.5	67.9	42.0
50.2	53.0	43.5	64.4	40.2
52.3	56.0	45.0	69.4	41.7
52.6	56.0	45.0	69.4	41.7
53.1	54.5	45.5	71.6	42.5
50.1	53.0	44.0	68.4	41.0
56.1	59.5	45.5	73.1	39.5
47.9	50.5	42.5	63.1	40.0
47.4	50.5	44.5	66.2	41.4
51.6	54.5	44.5	66.2	41.4
55.3	59.0	43.0	71.3	40.8
53.7	56.5	44.5	69.6	40.8
60.1	62.0	40.5	76.6	42.7
51.9	57.0	44.0	70.5	40.8
54.1	54.5	44.0	74.9	41.4
56.8	61.0	44.5	73.3	40.7
48.3	51.0	43.0	65.8	40.7
51.0	53.5	43.5	67.4	40.9
52.3	55.0	44.5	68.5	41.1
53.5	56.0	46.0	73.0	43.2
53.0	56.0	46.0	73.0	43.2
51.6	54.5	44.0	69.0	41.5
53.5	57.0	44.0	76.9	41.9
61.2	64.5	46.5	85.7	42.4
61.2	64.5	46.5	85.7	42.4
63.7	68.0	48.5	80.3	43.0
60.5	63.5	46.5	70.2	43.5
60.2	63.5	46.5	70.2	43.5
60.2	63.5	46.5	70.2	43.5
60.2	63.5	46.5	70.2	43.5
59.1	62.5	46.5	81.5	44.5

56.2	59.0	45.0	78.0	43.4
55.9	55.5	44.0	70.4	41.8
57.7	59.5	44.5	77.9	42.3
55.1	58.5	46.0	68.4	42.5
58.0	62.0	46.5	77.6	43.6
60.6	62.5	44.5	80.6	41.1
60.1	61.5	45.5	80.6	41.3
58.1	61.0	46.5	75.6	42.4
53.5	54.0	43.5	73.4	40.1
52.2	51.5	43.0	69.4	40.0
50.0	51.5	43.0	69.0	40.6
53.9	58.5	44.0	71.3	41.5
53.1	55.5	46.0	74.2	41.9
51.3	52.5	46.5	67.1	45.2
49.9	53.0	43.5	72.3	42.6
52.7	53.5	43.5	65.1	42.1
53.1	56.3	44.5	69.5	42.3
53.9	61.3	46.0	78.9	44.2
61.7	60.5	46.0	79.2	43.2
52.2	54.5	45.0	75.3	43.2
49.3	50.5	45.0	70.3	43.5
49.1	49.5	45.0	68.7	43.6
46.2	49.0	45.0	65.0	41.1
50.1	50.0	45.5	71.1	43.8
48.0	50.5	45.0	66.9	43.9
48.8	46.5	45.0	48.6	43.2
57.9	49.5	44.0	79.9	41.8
50.6	49.0	45.0	73.2	43.2
40.2	47.0	44.0	61.8	41.3
48.2	50.5	45.0	90.5	42.5
45.6	46.5	44.0	50.9	42.0
62.7	51.0	44.5	90.6	41.8
45.6	47.0	43.5	74.3	41.8
49.2	50.0	47.0	62.5	41.6
58.4	59.5	47.5	77.0	46.7
48.6	48.5	47.5	66.3	46.8
48.2	48.5	47.5	66.3	47.0
47.0	48.0	42.0	59.9	46.3
55.1	47.5	42.0	82.4	40.7
44.8	46.0	42.5	56.9	40.8
45.3	45.5	43.0	54.2	41.5
48.2	46.5	44.0	78.1	41.5
53.1	53.0	43.5	74.8	42.6
50.8	53.0	44.0	72.1	42.6
55.6	52.0	44.5	81.7	42.9
51.8	49.5	44.0	76.2	42.9
46.7	47.5	44.5	66.0	42.7
52.9	46.5	44.0	79.2	42.1
60.1	62.3	45.0	79.2	43.0
60.8	56.5	44.5	80.9	42.8
51.6	52.0	44.5	75.7	42.7
61.3	55.0	44.5	80.9	42.8
48.0	49.0	44.5	66.2	43.3
62.9	61.0	44.5	80.9	42.6
64.1	68.0	45.0	80.9	42.6
58.0	56.0	43.5	80.7	41.6
51.2	53.0	43.0	78.4	41.1
47.3	48.5	44.0	55.4	42.1
48.2	48.5	47.5	52.7	46.9
48.3	48.5	47.0	65.3	46.4
48.1	48.5	46.0	66.9	45.0
47.8	47.0	45.5	61.7	45.4
50.6	49.0	45.5	69.3	44.6
46.6	47.0	45.5	65.5	44.7
47.1	47.5	46.0	56.4	44.8
46.4	47.0	46.0	46.5	44.8
50.3	47.0	45.5	69.2	44.5

46.0	46.5	45.0	61.0	44.4
46.5	47.0	45.5	54.9	44.7
45.6	46.0	44.5	50.2	42.8
55.4	49.5	45.0	79.9	43.4
49.8	47.5	44.5	75.9	42.9
50.1	52.0	45.0	66.9	43.1
49.5	49.0	45.0	67.3	43.6
54.2	58.5	44.5	70.0	43.2
59.0	64.0	45.5	75.6	44.0
48.3	47.0	45.5	67.0	41.2
53.8	54.5	45.0	69.8	43.4
52.4	48.0	45.0	72.1	41.8
53.8	55.0	45.5	71.1	43.9
49.9	47.0	45.0	70.7	43.0
60.6	66.0	45.0	75.4	43.4
52.1	51.0	45.0	71.1	43.0
46.6	47.0	45.5	61.8	44.2
46.1	46.5	45.0	51.2	43.7
48.3	50.5	45.5	68.2	44.5
46.2	47.0	45.0	68.7	44.5
46.4	47.0	45.5	63.1	43.7
46.7	47.0	45.5	52.7	44.1
46.1	47.0	45.5	72.6	44.5
46.4	47.0	45.0	48.8	43.5
45.7	46.0	44.5	78.9	44.2
49.1	46.5	43.0	73.2	43.7
48.1	47.0	44.5	52.0	43.0
48.6	46.0	44.5	51.3	43.2
43.2	46.5	44.5	55.9	43.2
43.9	46.0	44.5	76.1	43.7
52.2	46.5	44.5	75.2	43.3
43.5	46.0	44.5	47.1	43.1
43.4	46.0	44.5	49.6	43.5
43.9	45.5	44.0	49.0	42.9
43.2	46.0	44.0	49.6	43.2
43.1	45.5	44.0	53.3	42.8
43.6	45.5	44.0	63.2	42.9
46.0	46.5	44.0	60.3	43.2
51.6	55.5	44.5	62.0	43.3
43.4	46.0	44.5	51.6	43.3
43.6	47.0	44.0	44.0	43.0
43.1	45.5	44.0	48.7	42.9
43.6	46.5	44.5	48.8	43.2
52.3	57.0	44.5	66.9	42.8
50.5	55.5	44.0	71.6	43.7
53.9	59.0	45.0	64.1	43.2
55.0	60.0	44.5	66.7	43.2
55.0	60.5	44.5	66.7	43.3
55.6	60.0	45.0	66.5	42.8
55.4	60.0	45.0	65.5	42.9
55.8	61.0	45.0	66.7	43.1
56.3	61.5	45.0	67.8	43.0
56.4	61.0	45.0	68.6	43.0
58.6	62.5	46.0	71.8	43.2
57.3	61.5	45.5	67.2	43.1
58.6	62.0	47.5	71.4	43.8
59.5	63.0	48.5	72.5	45.4
59.6	63.0	50.0	71.9	45.2
59.7	62.5	49.5	75.4	45.0
60.9	65.5	49.0	76.3	44.7
60.6	64.5	49.5	78.7	45.6
62.0	65.5	50.5	72.3	45.5
58.5	63.5	47.5	72.3	44.4
60.0	64.0	49.0	78.3	43.8
57.6	63.5	46.5	67.7	43.8
58.0	61.0	47.0	81.4	44.0
56.3	59.0	47.0	71.0	44.1

54.0	56.5	46.0	67.1	43.7
56.3	59.0	47.5	76.8	42.8
54.7	56.5	45.0	70.6	41.2
57.8	62.5	46.0	70.6	41.2
51.1	54.5	43.5	66.1	40.8
53.4	57.5	45.0	69.9	40.9
57.0	60.5	45.0	75.9	42.2
54.5	58.5	46.0	67.4	42.9
56.6	61.5	45.5	67.3	41.6
55.6	60.5	44.0	67.4	40.9
52.8	55.5	44.5	69.8	42.0
51.8	52.5	43.5	69.2	41.3
53.1	56.0	44.5	67.2	41.3
53.6	56.0	44.5	72.2	40.8
51.9	55.0	43.5	75.4	40.7
54.9	59.0	44.5	67.7	41.7
56.7	61.5	45.0	66.5	41.2
53.6	55.0	43.5	74.4	40.7
55.9	60.5	44.5	68.4	41.4
55.9	60.5	45.5	68.4	41.2
55.0	57.5	47.0	72.6	42.2
55.5	58.0	47.0	67.3	43.0
55.5	58.0	44.0	67.3	41.6
51.6	54.5	45.0	64.8	41.1
56.7	62.0	46.0	70.3	42.3
60.5	64.5	52.0	71.1	46.5
56.0	59.5	46.5	71.7	42.9
55.1	59.5	44.5	70.1	42.5
59.1	60.0	44.0	78.9	41.9
50.1	51.0	45.0	61.1	42.3
51.2	52.5	44.0	68.5	40.9
50.2	51.5	43.5	68.0	41.6
55.4	58.5	46.5	66.5	41.2
53.2	54.5	46.0	71.6	41.8
56.2	62.0	48.0	68.7	43.9
51.5	57.0	46.5	73.4	42.1
51.9	53.5	43.0	67.5	41.5
54.6	56.0	45.0	59.0	40.5
53.9	55.5	45.0	73.0	40.0
53.1	57.0	43.5	70.2	39.9
51.8	57.0	43.0	67.4	39.7
51.0	54.5	43.5	64.9	40.9
52.3	52.5	41.0	69.9	40.9
52.3	52.5	41.5	66.9	39.8
54.0	57.5	46.5	69.7	40.7
53.0	54.0	46.0	70.5	39.7
53.4	59.0	48.0	60.9	44.5
52.1	56.0	46.0	60.9	44.5
52.1	56.0	43.5	74.1	39.9
52.0	56.0	44.0	42.6	39.8
52.0	56.0	47.0	71.9	41.0
52.1	56.0	44.0	62.4	38.9
51.1	52.0	43.5	65.5	38.7
53.8	57.5	44.5	74.6	41.1
53.3	61.5	44.0	82.0	40.6
57.5	62.5	44.5	69.0	40.9
56.6	60.5	47.5	67.9	41.2
52.0	56.0	44.5	69.7	42.2
53.1	56.0	44.5	73.0	40.8
60.7	63.5	46.5	67.0	42.4
53.4	56.5	46.5	69.1	42.4
59.5	60.0	46.0	77.3	41.5
55.7	59.0	46.0	67.8	42.5
58.7	61.0	44.0	60.6	40.8
53.3	57.5	45.5	45.3	43.0
53.9	61.0	46.0	46.0	42.6
56.1	58.5	48.0	74.0	41.1
52.6	56.5	46.0	69.4	42.3

52.9	56.5	46.0	65.6	42.5
53.7	38.0	46.0	67.2	41.8
54.4	36.0	47.5	65.6	43.8
53.2	39.3	48.0	75.6	43.6
53.0	36.3	46.5	65.6	42.8
54.0	36.3	48.0	64.2	43.2
52.3	53.5	46.5	63.8	42.1
53.1	33.0	46.0	69.2	42.9
53.3	36.5	47.0	67.4	42.3
52.0	54.0	46.5	68.0	42.8
55.8	56.0	46.5	74.3	43.1
63.8	56.5	47.0	87.8	43.1
56.2	56.5	47.5	73.9	43.1
52.9	55.5	48.5	63.9	44.4
53.1	55.5	48.5	69.9	44.3
56.8	58.5	48.0	66.7	43.1
55.2	58.5	50.0	67.4	44.2
53.2	55.5	47.5	68.4	44.1
52.7	55.0	47.5	67.6	43.0
57.1	60.5	47.0	74.3	42.5
57.8	59.0	48.0	78.4	43.6
55.0	58.0	47.5	70.1	43.2
53.7	57.5	46.5	67.5	42.5
53.9	57.0	46.0	71.9	41.9
52.4	55.5	46.5	66.6	42.7
54.4	57.5	47.0	68.9	42.9
53.1	56.0	47.5	67.1	43.0
53.6	56.5	47.5	68.2	42.7
56.5	59.5	49.0	71.3	44.1
53.6	56.5	47.5	70.4	43.0
53.1	56.5	46.0	68.5	43.8
53.7	57.0	45.0	68.5	41.7
54.9	58.5	47.5	67.7	41.8
54.6	57.5	48.0	66.3	42.8
56.3	59.5	48.0	72.9	42.7
54.2	58.0	46.5	68.6	42.9
51.4	54.0	46.0	65.6	42.8
53.0	56.0	47.0	67.2	43.0
55.5	58.0	49.5	72.1	43.8
56.6	59.0	48.0	71.1	43.3
54.2	56.5	48.5	77.0	43.3
51.2	54.5	47.5	67.9	43.3
53.5	56.5	48.5	68.5	43.6
54.6	58.0	48.5	66.8	43.3
54.9	58.0	48.0	69.0	43.6
57.1	59.5	49.0	76.5	45.1
57.0	58.5	48.5	78.5	43.8
55.0	57.0	48.5	70.8	44.4
56.9	60.0	49.5	76.9	43.7
60.6	64.0	49.0	72.6	44.2
57.3	60.5	49.0	72.1	45.2
58.2	60.0	49.0	77.6	44.0
60.7	63.5	50.5	85.3	47.1
53.4	55.0	48.5	69.0	44.2
57.4	61.5	49.0	75.7	44.5
59.3	63.0	49.5	70.4	44.5
56.4	59.5	49.5	70.6	44.7
65.9	67.5	50.5	74.6	45.4
65.8	68.5	51.0	82.1	46.7
69.4	66.5	49.0	91.4	45.1
53.4	52.5	48.0	75.0	44.4
55.4	57.5	51.5	68.9	44.4
55.1	55.0	51.0	68.9	44.4
52.5	55.0	48.0	65.4	44.0
52.5	55.0	48.0	65.4	44.0
60.5	64.0	47.0	79.4	45.5

49.0	50.0	46.0	59.1	43.5
49.3	50.5	46.0	62.4	43.8
50.4	51.0	46.0	67.4	43.9
55.9	56.0	46.5	79.1	43.3
55.3	56.5	46.5	73.7	43.3
51.3	52.0	46.0	72.3	43.3
53.5	51.0	46.0	77.4	43.8
50.6	50.5	46.5	71.0	43.6
55.0	50.5	46.5	76.2	44.0
54.0	54.5	47.0	75.2	44.1
48.8	50.0	45.5	55.9	43.5
48.6	49.5	45.5	51.2	43.0
48.8	49.5	46.0	53.1	42.8
48.5	49.5	45.5	53.2	43.2
49.4	49.5	45.5	54.1	42.9
49.3	50.0	45.5	55.6	43.0
49.3	49.5	45.5	51.1	43.2
48.7	49.5	45.5	53.9	42.9
48.7	49.5	46.5	51.9	42.9
50.3	52.0	46.0	63.1	43.5
48.8	49.5	45.5	66.5	43.0
49.4	50.5	46.0	68.7	43.3
49.3	52.0	46.0	77.0	43.4
48.5	49.5	45.5	75.3	43.2
48.7	49.5	45.5	70.2	42.5
50.3	50.5	46.0	66.5	43.3
48.8	49.5	45.5	61.0	43.4
49.4	51.0	46.0	73.3	43.1
53.6	50.0	46.0	76.7	44.0
49.5	50.0	46.0	63.4	43.4
48.9	50.0	46.0	52.4	43.5
67.6	66.0	46.0	53.6	43.6
51.7	52.0	47.0	89.8	44.0
55.2	55.0	47.5	70.6	43.6
52.2	50.5	46.5	73.4	45.0
53.7	52.0	47.0	68.5	44.5
51.5	53.5	47.0	67.7	44.2
51.9	52.0	48.0	82.1	45.0
55.7	57.5	49.0	77.1	46.0
58.4	61.5	51.5	70.6	46.7
60.1	63.5	48.5	67.2	46.0
51.2	56.0	48.0	77.9	45.2
51.5	52.0	49.5	62.9	46.1
60.7	62.5	49.5	62.7	44.4
54.4	55.5	50.0	71.8	46.5
54.4	56.0	49.0	78.9	45.6
55.6	55.5	51.0	60.2	47.2
53.2	55.5	50.5	80.8	45.3
57.5	59.0	50.0	67.6	46.4
52.4	52.0	47.5	72.2	44.8
49.9	50.5	47.5	75.0	45.6
51.5	51.0	48.5	78.5	46.5
53.5	51.0	48.0	79.5	46.1
49.8	50.5	47.5	51.8	46.3
56.1	50.5	47.5	78.7	45.8
49.7	50.5	47.5	77.8	45.9
49.9	50.5	47.5	53.8	45.9
49.6	50.5	47.5	52.6	45.9
49.3	50.0	47.0	51.7	45.8
49.6	50.5	47.0	62.6	45.5
54.1	53.5	47.5	77.7	45.6
61.5	58.5	47.0	80.8	45.5
59.2	58.5	47.0	75.6	45.4
58.5	52.5	47.0	80.7	45.2
49.0	50.0	46.5	46.5	45.4

49.7	50.0	46.5	72.3	45.3
49.5	50.5	47.5	51.5	45.7
49.6	50.5	47.5	51.4	45.7
49.3	50.0	47.0	51.1	45.7
49.6	50.5	47.0	51.0	45.3
55.3	50.0	46.5	62.5	45.2
48.8	49.5	46.0	51.7	45.1
49.3	50.0	46.5	51.7	45.4
49.1	50.0	46.5	51.3	45.3
48.9	50.0	46.5	51.4	44.8
48.8	49.5	46.0	51.9	44.7
49.2	50.0	46.5	51.2	44.6
49.1	50.0	46.5	51.2	44.7
49.5	50.5	46.5	55.4	44.4
48.7	49.5	46.0	52.7	44.7
48.8	50.0	46.5	50.6	44.1
48.6	49.5	46.0	50.5	44.1
48.6	49.5	46.0	50.4	44.2
48.8	50.0	46.5	52.2	44.0
48.6	49.5	46.0	52.1	44.2
48.7	49.5	46.0	64.8	44.3
48.6	49.5	46.0	51.6	44.2
51.8	54.0	46.5	67.0	44.5
48.8	49.5	46.0	66.7	44.5
58.5	61.5	46.5	76.9	44.5
55.0	54.5	46.5	74.3	44.8
57.0	60.5	46.5	70.0	44.6
49.4	49.5	46.0	67.7	44.4
50.2	50.0	46.5	68.1	44.5
56.3	57.5	46.5	72.7	44.2
58.8	62.5	46.5	73.5	43.6
59.6	62.0	47.0	74.5	43.5
59.6	63.0	47.0	74.0	43.6
59.6	63.0	47.5	74.8	43.6
59.2	63.0	48.0	74.5	43.9
57.6	61.5	47.5	70.8	43.5
59.4	62.0	47.5	75.4	43.7
59.5	63.0	47.5	74.8	43.5
59.8	63.0	48.0	73.8	44.1
60.9	64.0	48.5	76.8	44.1
58.6	62.0	49.0	77.2	44.9
57.1	60.0	51.0	65.5	44.7
57.4	60.0	52.0	65.4	45.8
60.9	64.5	53.5	73.4	46.5
63.0	66.5	54.0	75.0	44.9
56.7	59.5	50.0	70.4	45.0
61.7	66.0	52.0	71.1	45.7
61.0	65.0	49.0	72.4	44.1
61.4	63.5	49.0	81.3	45.0
57.8	60.5	49.5	74.4	44.9
60.6	65.0	49.5	75.4	44.7
61.2	62.0	49.0	82.2	44.4
60.4	63.5	48.0	84.0	44.0
57.4	57.0	47.5	67.4	43.6
55.6	55.0	47.0	68.9	43.5
54.6	55.0	46.0	74.5	43.5
53.6	55.0	46.0	74.5	42.7
59.5	64.0	48.0	72.9	43.2
57.3	56.5	48.0	72.3	43.6
56.7	60.5	47.5	69.1	43.5
56.8	56.0	47.0	98.1	42.5
58.0	58.0	48.0	94.0	43.4
57.9	58.5	48.0	96.5	42.0
67.4	70.5	48.5	83.1	43.0

55.5	58.5	48.0	69.4	42.4
53.3	62.5	47.0	66.7	43.1
54.8	57.0	49.0	69.4	42.7
54.8	56.5	48.0	65.5	42.6
52.6	55.0	47.5	65.8	42.6
57.8	61.5	48.0	71.2	42.4
56.9	61.0	47.5	67.6	43.0
55.2	60.5	48.0	67.9	43.0
53.1	58.0	48.0	67.6	43.0
58.3	64.0	48.0	67.7	43.4
50.2	61.0	49.5	69.8	43.3
55.2	57.5	48.5	68.0	43.2
58.0	61.0	48.0	70.8	43.2
57.4	62.0	47.5	75.7	43.5
54.0	57.5	47.5	74.9	43.0
50.3	60.5	47.5	73.1	42.9
50.3	62.5	49.5	68.7	44.1
50.2	57.5	49.5	69.4	42.2
50.0	57.5	49.0	65.9	42.7
50.7	60.5	48.0	76.2	43.2
52.9	51.5	46.5	70.6	42.7
52.3	51.5	47.5	77.0	43.4
52.9	62.5	47.0	72.1	43.0
52.3	59.5	47.5	69.8	43.1
62.5	59.5	48.0	80.9	43.9
60.4	57.5	48.0	86.9	43.2
59.3	51.5	46.0	89.0	43.2
59.3	51.5	46.0	83.9	43.5
59.3	58.0	47.5	70.0	43.1
61.9	61.5	51.5	78.7	44.8
59.6	63.5	51.0	76.3	42.7
53.2	55.0	47.5	68.8	43.1
51.4	51.0	46.0	63.5	42.6
53.0	55.5	47.5	63.0	42.0
54.0	58.0	48.0	66.9	42.8
57.5	60.0	49.0	81.5	43.7
56.5	59.0	49.0	69.2	42.9
56.1	59.0	48.5	69.6	43.7
54.5	56.0	48.5	71.1	44.4
53.4	56.5	48.5	64.9	44.8
56.0	59.5	49.5	67.6	44.5
58.1	62.5	49.0	69.6	44.1
55.9	59.5	48.5	70.1	44.1
56.5	59.5	50.0	69.3	44.9
62.5	59.5	49.5	64.8	46.1
54.9	59.5	51.5	65.0	48.1
55.1	59.5	49.0	65.5	43.6
55.5	59.5	47.5	66.4	43.1
58.1	60.5	47.5	75.4	43.7
57.6	61.5	49.5	76.4	44.1
54.9	61.5	49.0	67.7	44.2
53.3	56.0	48.5	63.3	44.1
56.7	57.5	49.5	82.9	45.2
60.7	60.0	49.0	70.7	45.3
63.4	66.0	48.5	85.8	44.2
53.9	55.5	49.0	70.8	44.8
54.2	56.0	48.5	77.7	43.8
55.8	57.5	49.0	81.2	43.4
54.3	57.5	49.0	65.9	44.6
52.3	56.0	48.0	66.1	44.1
52.3	56.0	47.0	61.0	43.6

54.0	55.0	47.0	69.4	43.6
59.2	63.5	50.0	68.9	44.1
54.5	57.0	49.5	69.9	45.2
51.7	57.5	49.5	70.2	45.0
51.5	57.5	48.5	67.0	44.6
59.1	63.0	51.5	70.2	45.0
55.6	59.0	49.0	67.1	44.6
55.4	58.0	50.0	65.0	44.5
56.4	59.0	48.5	77.9	44.1
57.5	57.5	49.0	82.5	44.6
55.4	58.0	48.5	76.2	44.0
52.3	51.0	48.0	64.0	41.2
54.4	57.5	48.0	68.8	44.0
67.7	58.5	49.0	93.1	45.0
65.9	55.5	48.0	90.6	45.2
53.7	56.0	48.5	69.9	43.6
54.3	57.5	48.0	67.6	43.4
53.1	56.5	48.0	69.3	43.4
63.6	58.0	48.0	88.6	44.0
57.9	61.0	49.5	70.6	43.8
60.2	63.5	54.0	69.5	49.0
59.1	63.5	49.5	80.0	44.7
68.1	64.0	50.5	85.2	45.2
51.0	57.0	49.0	67.4	41.9
63.4	66.0	49.5	80.4	43.7
52.8	54.5	48.0	78.6	43.6
56.2	55.5	48.0	78.6	43.6
58.1	63.0	50.0	69.4	44.6
61.0	64.0	52.5	68.3	45.7
59.8	62.5	50.5	67.9	45.5
55.6	59.0	49.5	71.3	45.2
55.2	55.0	48.5	73.4	44.8
68.4	67.0	48.0	89.4	43.8
61.8	59.5	48.0	83.5	44.4
55.3	59.0	49.0	68.8	41.4
55.3	58.5	49.0	67.9	41.5
57.4	61.0	50.0	71.8	45.5
52.4	54.5	48.0	62.9	44.6
54.3	56.0	50.0	73.9	44.8
57.4	57.5	50.0	77.9	45.4
56.1	56.5	48.0	75.4	44.7
56.0	59.0	48.5	69.7	44.7
63.4	62.5	49.5	89.6	44.6
56.2	59.0	48.0	69.6	44.3
57.7	56.0	48.0	76.6	44.5
52.4	54.5	48.0	68.8	44.5
51.1	55.0	47.5	70.5	44.5
58.8	60.5	48.5	79.4	44.2
53.2	55.0	47.5	72.2	44.4
58.9	61.0	48.5	80.6	44.7
56.6	55.5	47.5	78.6	44.1
58.9	58.5	48.5	79.4	44.4
56.6	58.5	48.0	75.2	44.2
51.9	63.5	48.5	70.0	44.6
64.9	63.5	48.5	80.8	44.3
55.8	57.5	48.5	70.8	44.3
56.1	55.5	48.5	83.7	44.7
57.3	61.0	48.0	71.4	44.1
54.9	58.0	48.5	68.1	44.9
54.6	54.5	47.0	73.2	44.1
53.5	56.0	47.0	76.4	43.8
61.4	61.5	47.0	76.4	43.8
55.9	56.0	47.0	72.5	44.0
58.5	62.5	47.0	76.3	43.9
55.2	53.5	46.0	72.1	43.7
51.8	53.5	47.0	72.4	44.3
59.1	62.5	47.0	77.3	44.3
55.6	51.0	47.0	76.5	45.0
49.8	51.0	46.5	80.6	45.1
50.3	51.0	47.5	70.5	45.1
50.3	51.5	47.5	62.5	45.2

52.1	51.0	47.0	71.1	45.1
54.4	54.0	49.0	73.3	46.3
52.6	53.0	49.0	68.8	46.1
51.9	53.0	49.5	61.9	46.3
53.2	56.0	49.0	67.9	46.0
51.6	52.5	48.0	66.6	46.0
56.9	60.5	49.0	73.4	46.5
58.9	60.5	51.0	80.5	47.4
59.0	61.5	49.5	79.4	47.1
58.8	58.0	50.0	80.1	47.3
57.6	61.0	50.5	73.9	47.3
53.3	54.0	48.0	66.9	46.3
55.7	56.0	48.5	81.8	46.8
58.0	53.5	49.0	84.5	46.8
57.0	58.0	49.0	73.4	46.6
51.1	55.5	50.0	74.3	47.2
55.5	57.0	50.0	67.1	45.9
53.3	56.0	49.0	67.1	45.6
52.7	55.0	48.5	66.0	45.0
52.6	54.0	49.0	61.7	45.5
51.4	53.5	48.0	68.0	45.4
51.9	53.5	48.0	65.7	45.1
51.9	53.5	48.0	62.0	45.1
50.7	50.5	46.5	57.8	45.0
50.0	51.0	47.5	61.0	45.1
51.1	54.5	47.5	65.7	45.1
51.9	55.0	48.5	65.7	45.0
50.3	55.0	49.5	78.2	47.1
50.2	51.0	46.5	78.5	45.0
55.9	58.5	49.5	88.1	46.0
50.7	51.5	47.5	62.2	45.1
50.6	52.5	47.0	70.3	45.1
53.7	58.0	47.5	60.9	45.0
63.7	68.0	48.5	82.6	45.9
50.0	50.0	46.5	83.8	45.9
53.0	53.5	48.5	72.7	47.2
52.0	53.5	48.5	72.7	47.2
52.1	51.5	48.5	69.5	46.9
50.2	51.5	48.5	62.7	46.3
50.5	51.0	47.5	61.0	46.0
51.2	51.5	48.5	73.0	46.0
51.0	51.5	48.5	73.0	46.0
60.3	60.5	48.5	89.8	46.2
61.7	60.5	48.0	88.0	45.3
57.9	60.5	48.5	78.2	45.9
50.2	51.5	48.5	78.2	45.9
50.9	51.5	48.0	59.8	45.7
57.2	52.5	47.5	77.9	45.7
57.2	52.0	47.5	76.1	45.1
50.2	51.0	47.0	61.6	45.1
49.8	51.0	47.0	62.2	44.9
50.6	51.0	47.0	68.2	45.1
50.5	51.0	47.0	65.9	44.8
49.7	51.0	47.0	70.2	44.9
49.5	51.0	46.5	55.2	44.9
49.7	51.0	47.0	53.7	45.0
50.2	51.0	47.0	57.7	45.3
50.1	51.0	47.0	65.4	44.8
50.4	51.0	47.5	67.2	45.0
54.4	57.0	47.5	70.5	45.0
53.3	52.5	47.5	70.5	45.1
50.3	51.0	47.0	58.2	45.1

58.7	63.5	48.0	72.5	43.9
54.5	56.5	47.5	72.6	44.1
51.2	52.5	47.0	62.7	44.1
52.9	53.5	47.0	68.1	43.4
66.1	61.5	47.5	88.3	43.9
52.5	52.0	46.5	72.9	43.7
51.6	52.5	47.0	67.4	43.7
52.9	55.0	47.5	71.1	44.2
54.5	56.5	47.5	71.0	43.4
52.7	55.0	47.5	68.7	43.8
54.5	57.0	47.5	71.0	43.7
50.2	51.5	46.5	61.2	43.6
53.1	54.5	47.5	68.7	43.8
52.5	55.0	47.5	63.7	43.9
53.0	54.5	48.0	71.5	44.1
57.0	60.5	48.5	69.0	43.1
54.2	57.0	48.5	68.5	44.2
56.5	60.0	49.5	70.2	44.4
55.2	58.0	49.0	71.0	44.5
57.3	62.0	48.0	69.5	43.7
57.5	60.5	49.0	74.7	45.1
51.6	53.0	48.0	64.9	44.0
56.2	57.5	49.0	78.1	44.7
66.3	66.0	50.0	84.4	45.3
62.0	64.0	49.5	85.9	44.5
57.9	60.0	50.0	78.2	45.5
59.4	60.5	50.0	79.7	45.6
58.9	61.5	50.0	78.9	45.2
55.7	57.5	50.5	75.9	45.5
61.7	64.5	51.5	75.8	45.5
51.9	53.0	48.5	71.2	44.7
52.3	54.0	49.0	64.3	44.6
53.7	55.5	49.0	69.8	44.6
61.5	61.5	49.5	79.4	45.2
59.2	56.0	48.5	79.6	44.3
66.7	78.5	50.5	81.1	45.1
70.3	72.0	50.5	87.4	45.1
69.9	70.0	49.5	80.3	44.3
62.5	65.0	49.5	78.4	44.6
60.9	65.0	49.0	78.0	43.8
57.5	58.0	48.5	77.8	44.0
56.0	56.0	48.0	77.8	44.0
54.5	55.5	50.0	74.6	46.0
54.3	55.5	51.0	74.6	47.0
57.0	58.0	48.5	74.7	44.2
51.9	57.0	49.0	78.9	45.2
57.3	61.0	49.0	71.5	43.7
55.9	57.5	47.5	71.2	44.7
55.2	56.5	48.0	73.1	44.7
54.2	54.5	47.5	71.3	44.4
59.1	61.0	47.5	77.0	44.4
52.8	53.5	47.0	69.5	44.0
58.0	59.0	46.5	75.0	43.8
58.9	60.5	46.5	76.3	44.1
52.4	57.5	47.5	75.3	44.8
52.9	57.5	48.0	82.1	45.4
50.4	50.9	47.0	68.9	43.5
50.0	50.0	47.0	68.3	43.5
57.0	58.0	47.5	70.3	45.2
50.2	52.9	47.0	60.2	44.6
58.8	62.3	47.5	60.2	44.5
50.9	51.5	46.5	65.6	44.0
52.5	53.5	47.5	70.4	44.2
51.2	51.5	46.5	71.5	44.2
51.6	52.5	46.5	73.8	44.3
55.9	56.5	48.0	78.2	43.8
53.8	55.5	47.5	74.2	44.2
56.4	60.0	48.5	75.3	44.1
57.6	60.5	48.0	71.6	44.5
56.8	60.0	48.0	76.5	44.3
56.8	60.0	48.0	70.7	44.6

59.7	63.0	48.5	78.8	44.1
58.1	62.0	48.5	76.5	44.5
54.2	55.5	47.5	75.1	44.3
50.3	51.5	46.5	60.6	44.9
58.9	54.5	47.5	78.0	44.9
61.4	64.0	48.0	78.9	44.9
59.7	57.0	47.5	77.7	45.2
50.9	54.5	47.0	69.7	45.2
56.0	54.5	47.5	74.7	44.6
57.9	55.5	47.5	58.4	45.0
57.9	55.5	47.5	77.8	44.7
53.1	51.5	47.0	73.8	44.8
53.9	53.0	47.5	74.1	45.3
58.5	50.5	50.5	73.1	45.9
56.4	59.0	50.5	72.3	45.3
52.0	53.5	48.5	65.6	45.7
50.7	52.0	47.5	55.8	45.7
50.5	51.5	47.0	60.2	45.2
52.3	51.5	47.5	71.4	45.6
55.5	54.0	47.5	79.5	45.1
50.7	51.5	47.0	63.2	44.8
52.7	52.0	47.0	72.4	44.9
58.8	56.5	48.0	81.3	45.3
50.6	51.5	46.5	70.9	45.0
50.5	51.5	47.0	56.0	44.8
56.1	57.5	48.0	80.6	44.7
55.0	52.5	48.5	75.8	46.8
56.5	52.5	49.0	76.8	47.8
53.9	52.0	48.5	76.1	46.8
51.3	52.0	48.0	63.0	46.1
51.1	52.0	48.0	61.9	45.9
54.3	52.0	48.0	81.9	45.9
51.6	52.5	48.5	63.2	46.4
58.7	56.5	48.5	80.5	45.6
61.0	62.5	48.0	77.7	45.6
64.1	65.5	48.5	78.6	45.7
60.7	63.5	48.5	79.9	45.8
59.8	63.0	48.5	77.6	45.7
58.7	61.5	48.5	76.1	45.7
60.4	65.0	48.0	75.9	45.9
66.1	69.0	49.0	80.0	46.0
59.7	61.0	48.0	78.4	45.7
51.4	52.0	47.5	70.1	45.5
52.1	53.5	48.0	64.2	45.5
52.1	52.0	47.5	70.4	45.5
51.4	52.0	47.5	58.4	45.8
50.9	52.0	48.0	68.3	45.8
50.6	51.5	47.5	55.3	45.6
51.0	52.0	47.5	59.7	45.7
51.0	52.0	47.5	88.2	45.0
66.6	63.0	47.5	69.8	45.1
53.1	51.5	47.0	70.2	44.8
52.7	51.5	47.0	70.7	45.2
52.5	52.5	48.0	67.1	45.0
50.9	51.5	47.0	70.7	45.0
50.3	51.5	47.0	54.0	45.2
50.4	51.5	47.0	52.3	45.3
50.5	51.5	47.0	53.3	45.4
50.6	51.5	47.0	54.5	45.4
50.5	51.5	47.0	52.9	45.3
50.7	51.5	47.0	52.7	45.3
50.5	51.5	47.0	53.3	45.4
50.6	51.5	47.0	53.9	45.4
50.4	51.5	47.0	52.4	45.4
50.5	51.5	47.0	52.4	45.4
50.5	51.5	47.0	52.6	45.3
50.4	51.5	47.0	52.3	45.2
50.4	51.5	47.0	52.3	45.3
50.5	51.5	47.0	52.3	45.3
50.4	51.5	47.0	52.4	45.3

Baseline KT13-N3

50.5	51.5	51.5	47.0	53.5	45.4
54.7	51.5	47.5	79.0	45.7	45.7
50.5	51.5	47.5	53.6	45.0	45.0
52.6	52.0	47.5	70.5	45.1	45.1
55.7	59.5	48.0	71.6	45.5	45.5
57.4	60.0	48.0	77.0	45.3	45.3
52.3	51.5	47.0	60.6	45.3	45.3
50.4	51.5	47.5	55.0	45.2	45.2
56.6	52.0	47.5	74.1	45.6	45.6
57.7	58.5	48.0	73.8	45.6	45.6
54.2	55.5	47.5	68.9	45.2	45.2
55.0	55.5	47.5	71.2	45.2	45.2
51.6	53.5	47.0	60.4	45.1	45.1
52.4	54.5	48.0	65.1	45.2	45.2
53.8	57.0	47.5	68.4	45.2	45.2
57.5	61.5	48.5	72.1	45.5	45.5
58.4	63.0	48.5	72.1	45.5	45.5
57.4	61.5	49.0	70.7	45.5	45.5
61.0	65.0	50.0	74.1	45.8	45.8
58.2	62.5	49.5	69.6	45.7	45.7
57.3	61.5	49.5	68.6	45.8	45.8
58.2	62.0	50.0	69.0	46.1	46.1
59.5	62.5	51.0	72.6	46.6	46.6
58.5	62.0	51.0	71.0	46.5	46.5
60.5	62.5	52.5	68.3	47.3	47.3
67.1	72.5	54.0	79.1	47.1	47.1
57.0	59.0	50.5	67.5	47.7	47.7
60.9	63.5	53.0	70.5	46.8	46.8
64.4	68.5	57.5	82.0	46.8	46.8
62.1	66.0	55.0	76.1	45.9	45.9
62.5	65.0	52.0	74.3	46.7	46.7
60.8	62.0	51.5	73.9	46.8	46.8
61.5	62.5	52.0	72.1	46.0	46.0
60.0	61.5	51.0	73.2	45.4	45.4
60.2	60.0	50.0	80.1	45.4	45.4
61.1	64.0	53.0	80.0	45.6	45.6
55.2	58.5	50.5	65.4	45.8	45.8
60.7	65.0	50.5	76.5	45.8	45.8
59.7	64.5	50.5	66.0	45.4	45.4
53.0	54.5	49.0	66.8	45.1	45.1
56.1	58.0	49.5	71.2	44.8	44.8
55.6	58.0	49.5	73.2	44.7	44.7
53.5	55.5	49.5	66.9	45.4	45.4
55.6	58.5	50.0	70.2	45.1	45.1
54.8	57.0	50.5	68.8	45.8	45.8
56.7	59.5	51.5	68.0	45.5	45.5
58.9	62.5	50.5	70.2	45.3	45.3
54.5	57.5	50.0	65.7	46.0	46.0
54.1	56.5	50.0	62.9	45.4	45.4
51.6	57.5	49.5	67.6	45.1	45.1
55.7	59.5	49.5	67.9	45.1	45.1
53.3	56.0	48.5	66.3	44.8	44.8
54.9	57.5	49.5	68.3	45.6	45.6
55.2	58.0	49.5	67.5	45.2	45.2
54.4	55.5	49.5	70.6	45.5	45.5
55.2	57.5	50.5	65.2	45.4	45.4
54.9	57.0	51.0	64.3	45.4	45.4
56.4	58.0	51.5	81.2	46.2	46.2
60.2	64.5	51.5	72.5	46.1	46.1
53.9	56.0	50.0	64.9	45.6	45.6
56.5	59.5	51.5	69.4	46.5	46.5
56.1	58.0	51.0	70.4	45.4	45.4
53.9	56.0	50.0	65.5	46.5	46.5
56.5	58.0	50.5	71.5	47.3	47.3
54.0	56.5	49.0	69.0	45.3	45.3
54.4	57.0	50.0	64.2	44.8	44.8
59.4	64.5	50.5	70.1	45.3	45.3
66.7	69.5	52.0	83.7	47.7	47.7
58.7	61.5	49.5	79.1	45.1	45.1
58.7	61.0	50.5	79.7	45.9	45.9

Baseline KT13-N1

63.1	66.0	53.0	80.4	46.4
66.2	65.5	50.0	85.7	45.6
59.0	64.0	50.5	78.5	46.0
62.3	66.5	51.5	78.5	46.0
57.3	60.5	50.0	68.2	45.7
59.8	64.0	50.5	78.0	45.7
55.6	57.5	49.5	69.7	46.1
64.0	66.0	50.0	86.3	45.4
63.2	57.5	50.0	87.7	45.9
67.2	65.5	52.5	91.0	47.2
63.9	68.0	51.0	80.0	45.2
64.1	67.5	50.5	74.1	47.0
58.7	63.0	50.5	73.6	46.5
59.5	62.5	49.5	73.9	45.5
57.7	60.5	50.5	76.8	45.3
59.4	63.0	52.5	71.1	46.0
60.0	62.5	50.0	85.9	45.4
58.5	61.5	50.0	72.9	45.9
57.6	61.5	50.5	71.7	45.3
55.1	57.5	49.5	67.4	44.9
55.8	59.0	50.0	65.9	45.4
55.5	58.0	51.0	67.5	45.6
57.8	62.5	50.0	69.7	45.7
54.6	58.0	49.0	65.1	45.0
55.1	56.5	49.0	71.5	45.1
57.0	62.0	49.0	71.8	44.9
56.9	61.0	50.0	70.7	45.3
58.4	62.5	50.5	72.4	45.3
55.6	58.0	51.0	68.3	45.9
59.4	63.5	51.0	75.6	45.0
60.0	65.0	50.0	74.5	46.0
59.6	63.5	51.5	72.7	45.5
55.9	58.5	51.0	70.8	45.4
58.3	62.5	50.5	72.2	45.2
55.0	56.5	50.5	68.3	45.7
60.6	60.0	49.0	79.0	45.1
56.1	58.5	50.5	73.4	45.0
56.5	57.5	49.0	73.6	44.8

 Br 1 & K1
 Sound Level Meter Type 2238
 Logging R/7124 ver 1.3.0

 FILENAME: 014.N24

 SETTINGS:
 Serial no: 2285722
 Range: 30.0 - 110.0 dB
 Peaks Over: 140 dB
 2nd Exch. Rate: 4 dB
 Period Time: Normal
 Logged Every: 05:00
 Detector 1 (dBAS) Broad Band
 Bandwidth: A
 Freq. Wgt.: A
 Detector 2 (Br Band)
 Weighting: Peak/C
 Sound Incidence: Frontal
 Windscreen Correction: OFF

 CALIBRATION:
 Mic.: 2588104
 Sensitivity: -30.8 dB
 Date: 2007 Sep 12 07:44:00

 OVERALL RESULTS:

Start Date 2008 May 07
 Start Time 12:44:50
 Elapsed Time 07:10:24
 Overload 0.0 %
 Underrange 0.0 %

RMS MEASUREMENT RESULTS:

Bandwidth: Broad Band A
 Freq. Wgt.:
 LFMax 89.2 dB
 LFMin 81.9 dB
 FHMax 93.2 dB
 FHMin 42.5 dB
 LSHMin 47.2 dB
 LSHMax 48.8 dB
 LAFTMS 66.2 dB
 Leq 57.9 dB
 LIeq 64.9 dB

PEAK MEASUREMENT RESULTS:

Freq. Wgt.: C
 #Peaks 0
 LKMax 105.0 dB

LOGGED RESULTS (1 of 1):

Marker	LAF10	LAF50	LAFMax	LAKMin	LAKMax
LLeq	dB	dB	dB	dB	dB
001234	57.5	57.5	49.0	78.5	45.1
	55.5	57.5	49.5	71.0	41.4
	55.2	57.5	49.5	71.1	41.8
	57.3	62.5	49.5	69.9	44.9
	58.0	59.5	50.0	79.0	45.5
	57.2	55.0	49.0	82.7	45.1
	56.7	57.0	49.5	72.1	41.7
	53.9	56.5	49.5	65.9	43.5
	54.0	56.5	49.0	65.4	43.5
	55.1	57.0	49.0	65.1	43.2
	63.3	65.0	51.0	82.2	45.7
	61.7	66.5	50.5	76.2	45.3
	63.2	66.0	51.0	76.5	45.3
	55.4	58.0	51.0	67.0	46.5
	60.0	63.0	52.0	76.5	47.9
	55.7	52.0	49.5	65.2	45.3
	55.7	52.0	49.5	65.2	45.3
	55.0	52.0	49.5	71.9	45.4
	55.0	52.0	49.5	78.0	45.5
	57.0	61.5	50.0	71.9	45.7
	56.1	58.0	51.0	69.4	50.2
	55.2	57.5	50.0	67.2	45.0
	54.8	57.5	50.0	75.5	45.8
	55.0	57.5	49.5	73.5	46.1
	57.9	60.0	52.0	81.3	46.9
	53.9	59.0	50.0	66.4	46.0
	53.9	59.5	49.5	64.1	45.9
	54.7	57.0	50.5	65.8	45.6
	54.5	57.0	50.0	67.4	46.4
	53.5	57.5	51.5	64.4	45.6
	54.0	56.5	50.0	65.3	46.3
	55.8	57.5	50.0	74.4	45.7
	54.9	57.5	50.5	65.1	46.2
	54.8	55.0	49.5	72.0	45.9
	55.3	58.0	50.5	66.7	45.7
	55.5	58.0	50.5	65.9	45.2
	59.3	60.5	51.0	67.6	46.1
	58.6	56.5	50.5	51.0	76.4
					87.8
					45.6

54.0	56.5	50.0	62.1	46.0
52.1	51.5	48.5	60.6	45.4
52.5	53.5	49.0	67.2	45.6
57.3	61.0	50.0	70.5	45.7
55.8	56.0	50.5	81.3	46.1
53.3	55.5	49.5	68.4	45.9
59.7	64.0	51.0	73.4	45.3
54.9	57.0	50.5	66.5	45.8
54.8	57.5	49.5	69.5	45.2
55.3	58.0	50.0	66.1	45.0
58.2	61.5	52.0	71.8	46.7
56.8	59.5	52.0	68.1	45.3
55.7	56.5	49.0	74.4	45.0
56.7	60.5	50.5	67.7	45.8
58.2	60.0	50.0	79.2	44.0
56.1	61.5	51.0	67.0	45.3
58.1	61.5	51.0	72.8	45.1
56.3	59.0	49.5	73.5	45.0
54.3	57.0	49.0	70.8	44.7
57.4	58.5	49.0	78.5	45.3
59.4	61.5	49.5	70.0	45.0
59.4	61.5	51.0	79.1	45.9
54.8	57.0	49.5	69.7	45.7
60.5	64.5	52.0	76.0	47.2
67.4	69.0	52.0	89.2	46.2
58.0	59.5	48.5	77.1	45.0
56.8	58.5	50.0	74.0	45.9
58.1	60.5	50.0	75.7	45.6
53.0	54.5	49.5	69.1	45.8
57.0	59.5	49.5	72.0	45.1
58.7	60.5	49.5	77.8	45.3
59.5	61.5	51.0	74.6	45.8
64.4	68.5	51.0	81.5	46.6
62.5	67.0	51.0	76.8	45.8
61.0	65.5	48.5	76.3	44.7
60.2	63.5	48.0	79.7	44.4
58.2	61.5	48.0	74.6	44.6
58.7	59.5	48.5	84.3	45.0
53.8	52.5	47.0	79.7	44.2
51.0	52.0	46.5	64.3	43.9
52.4	52.0	47.0	75.1	44.3
62.3	66.0	48.0	79.9	44.2
54.8	52.0	47.0	74.8	44.5
50.8	52.0	46.5	68.1	44.1
51.7	52.0	47.0	67.0	44.0
51.7	51.5	46.5	70.5	44.5
50.0	51.0	45.5	57.9	42.5

2.5

Br 1 & K1

Sound Level Meter Type 2238

Logging BZ7124 ver. 1.2.0

FILENAME:

011.N24

SETTINGS:

Appendix G

The Meteorological Data

Meteorological Data Extracted from The Hong Kong Observatory Weather Stations at Lau Fau Shan

Date	Day	Weather	Lau Fau Shan Station				
			Total Rainfall (mm)	Mean Air Temp. (°C)	Wind Speed (km/h)	Mean Relative Humidity (%)	Wind Direction
18-Mar-08	Tue	cloudy/rain/mist/moderate	Trace	23.5	11	78.5	E/SE
19-Mar-08	Wed	warm/sunny periods/light winds/rain	0	24.8	11.5	78.5	W/NW
20-Mar-08	Thu	cloudy/fresh/strong	Trace	22.1	15.5	65.5	E/SE
21-Mar-08	Fri						Holiday
22-Mar-08	Sat						Holiday
23-Mar-08	Sun						Holiday
24-Mar-08	Mon						Holiday
25-Mar-08	Tue	cloudy/rain/moderate	Trace	18.9	14	64.5	E/NE
26-Mar-08	Wed	cloudy/rain/moderate	10.7	17.8	8.5	80.5	E/NE
27-Mar-08	Thu	Sunny periods/haze/cloudy/rain/moderate	0	19.2	5.7	78.5	E/SE
28-Mar-08	Fri	cloudy/mist/moderate/fresh	13.8	23	15.5	79.2	SE
29-Mar-08	Sat	cloudy/fog/sunny periods/moderate	0	26.3	15	75.5	SE
30-Mar-08	Sun	cloudy/rain/mist/fresh/strong	Trace	23.9	9.7	86	SW
31-Mar-08	Mon	cloudy/rain/mist/fresh/strong	4.7	19.3	12	91.5	E
1-Apr-08	Tue	cloudy/rain/mist/fresh/strong	4.3	16.9	18	88	E
2-Apr-08	Wed	cloudy/rain/mist/moderate	0.7	17.9	13.5	89.5	E
3-Apr-08	Thu	humid/misty/rain/moderate/fresh	1.4	18	7.5	91.5	E/NE
4-Apr-08	Fri						Holiday
5-Apr-08	Sat	cloudy/sunny periods/moderate	Trace	25.5	14.5	74	E/NE
6-Apr-08	Sun	fine/cloudy/moderate	0	23.3	11.5	76.5	W
7-Apr-08	Mon	fine/cloudy/moderate	0	26.9	11	86	WSW
8-Apr-08	Tue	Sunny periods/isolated showers/cloudy/moderate	0	27.5	15	68.5	S
9-Apr-08	Wed	sunny intervals/cloudy/moderate	Trace	27	26	73	S/SW
10-Apr-08	Thu	cloudy/fog/light winds/moderate/rain	Trace	27.8	14.5	78	SE
11-Apr-08	Fri	cloudy/mist/rain/moderate/fresh	Trace	26.6	16	75	SE
12-Apr-08	Sat	cloudy/mist/rain/moderate/fresh	Trace	24.9	20	75	SE
13-Apr-08	Sun	cloudy/mist/rain/moderate/fresh	1.3	24.4	9	83	E/NE
14-Apr-08	Mon	sunny periods/cloudy/moderate/fresh	0	25.5	11.2	75	E
15-Apr-08	Tue	sunny periods/cloudy/moderate	0	24.8	10.5	75.5	E
16-Apr-08	Wed	fine/hot/light winds	0	25	12.7	75.2	E
17-Apr-08	Thu	cloudy/rain/light winds/fresh	Trace	27.1	12	78	SE
18-Apr-08	Fri	cloudy/rain/fresh/strong	Trace	25.1	21.5	67.5	E
19-Apr-08	Sat	fresh/strong/gale/overcast/rain/squall	237.4	23.3	26.5	75.5	E
20-Apr-08	Sun	sunny periods/isolated showers/moderate	0	27.4	13.5	78	SW
21-Apr-08	Mon	sunny periods/isolated showers/moderate	Trace	26.1	11	84.5	SE
22-Apr-08	Tue	fine/isolated showers/cloudy/light winds/moderate	0	26.8	11	80.7	SE
23-Apr-08	Wed	cloudy/rain/moderate/fresh	0.4	20.9	15	76.5	NE
24-Apr-08	Thu	cloudy/haze/moderate	0.1	20.2	18.2	68.5	N/NE
25-Apr-08	Fri	cloudy/rain/moderate	0.7	20.6	6.5	75.5	E
26-Apr-08	Sat	bright/haze/light winds	Trace	22.3	10	75	E/SE
27-Apr-08	Sun	bright/haze/light winds	Trace	23.6	16	80.5	E/SE
28-Apr-08	Mon	cloudy/moderate	7.8	19.9	9	90.5	E/NE
29-Apr-08	Tue	cloudy/sunny intervals/moderate	Trace	22.7	6.5	77.5	E/NE
30-Apr-08	Wed	cloudy/sunny intervals/haze/light winds	Trace	23.7	6.5	77.5	E
1-May-08	Thu						Holiday
2-May-08	Fri	cloudy/a few showers/moderate	7.1	24.2	7.5	86	S/SE
3-May-08	Sat	misty/sunny intervals/moderate	2.2	26.5	11	84	E
4-May-08	Sun	cloudy/scattered showers/light winds/moderate	Trace	28	13.5	72.5	S/SE

Meteorological Data Extracted from The Hong Kong Observatory Weather Stations at Lau Fau Shan

Date		Weather	Lau Fau Shan Station				
			Total Rainfall (mm)	Mean Air Temp. (°C)	Wind Speed (km/h)	Mean Relative Humidity (%)	Wind Direction
5-May-08	Mon	sunny intervals/light winds/fresh/scattered showers/squally thunderstorm	4.5	25.4	9	83.5	S/SE
6-May-08	Tue	cloudy/rain/moderate/fresh	21	23.9	19.5	81.5	E
7-May-08	Wed	fine/mist/moderate	Trace	27	12.5	76.2	E
8-May-08	Thu	fine/hot/light winds	Trace	27.1	14.2	77	SE
9-May-08	Fri	cloudy/moderate/fresh/scattered showers	0	28.7	13.5	79.5	W
10-May-08	Sat	cloudy/showers/sunny intervals/moderate/fresh	3.5	23	16.5	74.5	NE
11-May-08	Sun	cloudy/showers/moderate/fresh	Trace	21.3	13.4	78.5	W
12-May-08	Mon	Holiday					
13-May-08	Tue	fine/very dry/moderate/fresh	Trace	21.3	12.5	60	E
14-May-08	Wed	fine/dry/moderate/fresh	0	24.4	12.5	59.5	E
15-May-08	Thu	fine/dry/haze/hot/moderate	0	24.3	13	60	E/SE
16-May-08	Fri	fine/dry/haze/hot/moderate	0	24.3	14	68.5	SE
17-May-08	Sat	cloudy/sunny intervals/moderate	0	25.5	14	63.5	SE
18-May-08	Sun	cloudy/sunny intervals/moderate	Trace	25.3	16	76.5	S/SE