

大成環境科技柘展有限公司 Environmental Ploneers & Solutions Limited

Document Submission

| Job title: | DC/2006/11 - Drainage Improvement | In Southern Lantau |
|-------------------------|---|-------------------------|
| Document title: | Baseline Monitoring Report | |
| Certified by: | | |
| - Environmental | Team Leader (Environmental Pioneers & | Solutions Limited) |
| () () | | |
| Signature: Miss Pa | tricia Chung | Date: 26/06/08 |
| | | |
| | | |
| Ecologist (Ecos | system Limited) | |
| Signature; Mr. Vince | ent fai | Date: 26/6/200 |
| | | |
| /erified by: | | * * |
| Independent Er | vironmental Checker (Allied Environment | al Consultants Limited) |
| Signature: Miss Clar | Idine Lee | Date: To Jun of |

香港柴灣利眾街 20 號柴灣中心工業大廣 8 樓

8 Floor, Chai Wan Industrial Centre Bldg., 20 Lee Chung Street, Chai Wan, Hong Kong. Tel: (852) 2185 0175 Fax: (852) 2856 2010 Email: in

Email: info@epsl.com.hk

新創建集團成員 Member of NWS Holdings

Drainage Services Department

Agreement DP05/2005 – Employment of Consultant for Environmental and Landscaping Detailed Design for Drainage Improvement in Southern Lantau

Baseline Monitoring Report

Drainage Services Department

Agreement DP05/2005 – Employment of Consultant for Environmental and Landscaping Detailed Design for Drainage Improvement in Southern Lantau

Baseline Monitoring Report

May 2008

This report takes into account the particular instructions and requirements of our client.

It is not intended for and should not be relied upon by any third party and no responsibility is undertaken to any third party

Job number 24519



| Job title | Agreement DP05/2005 – Employment of Consultant for | Job number |
|----------------|--|----------------|
| | Environmental and Landscaping Detailed Design for Drainage Improvement in Southern Lantau | 24519 |
| Document title | Baseline Monitoring Report | File reference |

Document ref

| Revision | Date | Filename | Baseline Report v3 | s.doc | |
|----------|----------|-------------|---------------------|-------------|-------------|
| issue 1 | 31/10/07 | Description | Baseline Monitoring | g Report | |
| | | | Prepared by | Checked by | Approved by |
| | | Name | Various | Samuel Chan | Sam Tsoi |
| | | Signature | | | |
| Issue 2 | 30/05/08 | Filename | Baseline Monitorin | g Report | |
| | | Description | IEC's comments in | corporated | |
| | | | Prepared by | Checked by | Approved by |
| | | Name | Various | Isis Lai | Sam Tsoi |
| | | Signature | | | |
| | | Filename | | | |
| | | Description | | | |
| | | | Prepared by | Checked by | Approved by |
| | | Name | | | |
| | | Signature | | | |
| | | Filename | | I | I |
| | | Description | | | |
| | | | Prepared by | Checked by | Approved by |
| | | Name | | | |
| | | Signature | | | |

| leeua Da | ocument \ | /orification | with | Document |
|----------|-----------|--------------|-------|----------|
| issue Do | ocument v | /emication | witti | Document |

Contents[User Note3]

| Exe | cutive Sur | mmary | Page 1 |
|-----|------------|--|-----------|
| 1 | Introd | luction | 1 |
| | 1.1 | Project Description | 1 |
| | 1.2 | Purpose of the Report | 2 |
| 2 | Basel | ine Monitoring Methodology | 4 |
| | 2.1 | Airborne Construction Noise | 4 |
| | 2.2 | Water Quality | 5 |
| | 2.3 | Ecology | 8 |
| | 2.4 | Cultural Heritage | 13 |
| 3 | Basel | ine Monitoring Results | 14 |
| | 3.1 | Noise | 14 |
| | 3.2 | Water Quality | 17 |
| | 3.3 | Ecology | 19 |
| | 3.4 | Cultural Heritage | 26 |
| 4 | Action | n & Limit Levels and Event & Action Plan | 41 |
| | 4.1 | Noise | 41 |
| | 4.2 | Water Quality | 42 |
| | 4.3 | Ecology | 45 |
| | 4.4 | Cultural Heritage | 45 |
| 5 | Concl | lusions | 46 |
| 6 | Refer | ences | 47 |

Executive Summary

An environmental baseline monitoring for noise, water quality, ecology and cultural heritage was undertaken in accordance with the EM&A Manual and EM&A Guidelines for the Drainage Improvement in Southern Lantau Project.

Noise monitoring was conducted from 9 September to 23 September 2007 and from 4/5 October to 19 October 2007 covering the four monitoring locations at No. 73 village house, Ling Tsui Tau Tsuen, No. 31 village house, Ling Tsui Tau Tsuen, No 5 village house adjacent to Luk Tei Tong River outlet and No. 23 village house, Tai Tei Tong River. The measured mean noise levels ranged from 45 to 53 dB(A) during non-restricted period and 46 to 53 dB(A) during restricted period. The Action and Limit Levels for construction noise are defined (Table E1). If non-compliance of the criteria occurs, action should be taken immediately in accordance with the Event/Action Plan as detailed in Section 4.

Table E1: Action and limit levels of construction noise

| Time Period | Action Level | Limit Level | |
|---|---|-------------|--|
| 0700 – 1900 hours on any day not being a Sunday or public holiday | When one documented complaint is received | 75dB(A)* | |

^{*} reduce to 70dB(A) for schools and 65 dB(A) during school examination periods

Water quality monitoring including 4 impact stations and 3 control stations was conducted between 20 August and 14 September 2007. Based on the baseline water quality monitoring data obtained, the A/L levels are defined (Table E2). If the water quality monitoring results at any impact stations exceeded the criteria, the actions in accordance with the Event and Action Plan should be taken as detailed in Section 4.

Table E2: Action and limit levels of water quality

| | Monitoring locations | | | | | | | |
|------------------|----------------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|
| Parameters | M1 | | M | 12 | M | 3 | M | 14 |
| | Action Level | Limit Level | Action Level | Limit Level | Action Level | Limit Level | Action Level | Limit Level |
| DO (mg/L) | 5.7 | 4 | 6.2 | 4 | 5.9 | 4 | 5.9 | 4 |
| SS (mg/L) [1, 2] | 12.2 | 12.8 | 3.1 | 4.2 | 12.4 | 17.7 | 13.9 | 15.2 |
| Tby (NTU) [1, 2] | 15.2 | 16.9 | 5.3 | 6.5 | 16.8 | 26.0 | 16.2 | 18.0 |

Note:

- 1. The Action Levels can be 95%-ile of baseline data as mentioned above or 120% of upstream control station at the same tide of the same day according to the EM&A Manual
- 2. The Limit Levels can be 99%-ile of baseline data as mentioned above or 130% of upstream control station at the same tide of the same day according to the EM&A Manual

The ecological baseline monitoring was conducted between 3 September and 7 September 2007. Fauna and flora baseline survey was conducted in Pak Ngan Heung River and Luk Tei Tong River and LTT bypass channel. All recorded terrestrial fauna are common in Hong Kong. Diversity of dragonfly was higher in the Luk Tei Tong Marsh Reference Site than in other sites surveyed during

the baseline monitoring. Among the aquatic fauna i.e. fish and macro-invertebrates recorded, except Spotty band Goby *Glossogobius olivaceus* which is uncommon, all other species are common and widespread in Hong Kong. In accordance with the Event/Action Plan as recommended in the EM&A manual, action should be taken immediately if disturbance to the breeding White-shouldered Starlings is identified during construction phase.

 Table E3
 Monitoring of White-shouldered Starlings: Event and Action Plan

| Event | Action | | |
|--|--|--|--|
| | ET Leader | Contractor | |
| Identification of disturbance to breeding White-shouldered Starlings | Increase frequency of monitoring to twice weekly | Check all construction actions and working methods | |
| Stannigs | 2. Notify ER | Submit proposals for remedial action to prevent abandonment of the breeding site | |
| | 3.Review construction activities of previous week | 3. Implement remedial action | |
| | Identify any changes in construction activities in previous week | Liaise with ET and IEC regarding effectiveness of remedial actions. | |
| | 5. Discuss remedial actions with ER | | |

Baseline survey was carried out to establish the existing condition of the Yuen Compound as stipulated in the Final EM&A report. The 12 main buildings comprising 2 watchtowers, residential buildings and rice storage areas identified in the 2003 Built Heritage report were surveyed, reviewed, reported and photographed with respect to their exterior and where possible interior condition, architectural detail and any changes or omission since the 2003 buildings survey. In the event of any observed construction phase impacts or damage on the heritage resources within the Yuen Compound, construction shall cease and owner of the compound and the AMO should be notified immediately. Remedial actions should be proposed by ET and the contractor for agreement with the owner, the ER and IEC, and comment from AMO should also be sought.

1 Introduction

1.1 Project Description

This project relates to the drainage improvement works in Southern Lantau. Most of the watercourses in Mui Wo, Southern Lantau remain untouched at their upper reaches and are partially channelized at their downstream ends near Silver River. Pak Ngan Heung River with Ling Tsui Tau U-channel, Luk Tei Tong River and Tai Tei Tong River merge at Silver River before passing Mui Wo township to Silver Mine Bay. Some drainage improvement works at Cheung Sha River, Cheung Sha Sheung Tsuen, Lo Uk Tsuen, Pui O River in Ham Tin and San Shek Wan are also included. As these existing rivers do not meet flood protection standards, drainage improvement works are recommended accordingly.

A Preliminary Environmental Review (PER), undertaken in the PPFS stage, identified that part of the drainage improvement works in Southern Lantau is a Designated Project under Schedule 2 Part I of the Environmental Impact Assessment Ordinance (EIAO) and requires an Environmental Permit (EP) under the EIAO for its construction and operation. The Designated Project includes the drainage improvement works in Pak Ngan Heung River, Tai Tei Tong River, Luk Tei Tong River and Luk Tei Tong (2) By-pass River in Mui Wo (hereafter referred to as "the Project"). The Environmental Impact Assessment (EIA) Report and the Environmental Monitoring & Audit (EM&A) Manual for the Project had been approved under the EIAO by the Director of Environmental Protection Department (EPD) in December 2005 (Register no. AEIAR-093/2005), and the Variation of EP (VEP) (EP-237/2005/A) was issued in March 2007.

A location map for the Project is provided in Figure 1-1. The scope of work elements covered is described in the following:

Pak Ngan Heung River

A 80m long trapezoidal channel using gabion walls will be constructed with rip-rap bases and natural substrates at upstream of Pak Ngan Heung River.

A 180m long 3-cell by-pass box culvert (3m wide and 2.25m deep) will be constructed. Embankment with landscape works will be formed on the top of the box culvert.

A low flow diversion dam and low flow pipes will be provided at upstream of the meander to maintain the base flow for sustaining the natural habitat of the meander. During heavy flow, the flood waters can be diverted directly to the downstream through the by-pass box culvert. In addition, an agricultural weir and a fish ladder will be provided at the upstream of Pak Ngan Heung River.

A 100m long rectangular channel using rip-rap bedding and concrete retaining walls, with associated maintenance road and access ramp, will be constructed at downstream of Pak Ngan Heung River.

Ling Tsui Tau U-Channel

A 200m long, about 750mm wide U-channel along the downhill slope was originally proposed in the EIA to intercept runoff from Butterfly Hill and convey the flow to Pak Ngan Heung River. Recent application for VEP for a 750mm wide U-channel of about 250m long and upgrading of existing drains of about 130m long has been approved (ref. EP-237/2005/A).

Tai Tei Tong River

The works at Tai Tei Tong River will include widening of 3 bottlenecks. Existing river bed will be untouched. The river bank will be reinstated by gabion blocks.

Luk Tei Tong River and Luk Tei Tong (2) By-pass River

A 240m long trapezoidal channel will be constructed using gabion walls with masonry lined bank and natural bed in Luk Tei Tong River.

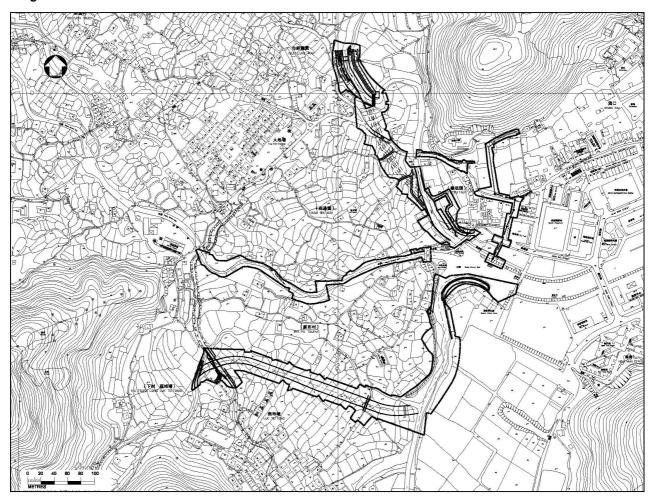
A 350m long rectangular By-pass Channel will be constructed at Luk Tei Tong (2) By-pass River passing through the existing marsh area and abandoned agricultural land. The By-pass Channel bed would be approximately 0.8m below the existing ground level, and would be maintained as compensatory marshland habitat. A low flow weir would be constructed at the downstream end of the By-pass Channel, serving to retain rainwater and some diverted flood flow in the channel. Under normal condition, the flow to the existing streamcourse will be maintained. Flood flow can be diverted directly to downstream through the By-pass Channel during high flow events. A minimum of 0.2m high earth embankment to avoid surface runoff from existing marsh overflowing to the proposed By-pass Channel will be erected. One vehicular crossing and one pedestrian crossing will be provided in the form of box culvert.

1.2 Purpose of the Report

According to the EP-237/2005/A, an EM&A programme shall be implemented in accordance with the procedures and requirements as set out in the EM&A Manual of the Project.

An environmental baseline monitoring for noise, water quality, ecology and cultural heritage was undertaken in accordance with the EM&A Manual and EM&A Guidelines for Development Projects in Hong Kong prior to the commencement of any construction activities on-site. The purpose of this report is to summarise the findings of this baseline monitoring and to establish the compliance levels for the subsequent impact monitoring during the construction stage. Other than this introductory section, the report will provide information on the monitoring methodology, monitoring results, derivation of Action and Limit (A/L) Levels, and conclusions.

Figure 1-1: Site location Plan



2 Baseline Monitoring Methodology

2.1 Airborne Construction Noise

2.1.1 Methodology, Monitoring Parameters and Equipment

Baseline noise level was measured by sound level meters in terms of A-weighted equivalent continuous sound pressure level ($L_{\rm eq}$) according to the Technical Memorandum on Noise from Construction Work other than Percussive Piling (GW-TM). L_{10} and L_{90} were recorded as supplementary information for data auditing. The sound level meters and calibrators comply with the International Electrotechnical Commission (IEC) Publication 651:1979 (Type 1) specification in accordance with GW-TM. The calibration certificates for the noise monitoring equipment are given in Appendix 1. Table 2-1 summarises the equipment list for baseline noise monitoring.

Table 2-1: Equipment list for baseline noise monitoring

| Equipment | Manufacturer & Model No. | Precision Grade | Qty. |
|------------------------------|--------------------------|-------------------------------|------|
| Integrated sound level meter | Brüel & Kjær 2238 | IEC 651 Type 1 IEC 804 Type 1 | 2 |
| Windshield | Brüel & Kjær UA0237 | | 2 |
| Acoustical calibrator | Brüel & Kjær 4226 | IEC 942 Type 1 | 1 |
| LCD wind speed indicator | Kestrel Vane Anemometer | | 1 |

Noise measurements were not conducted in the presence of fog, rain, wind with a steady speed exceeding 5m/s or wind with gusts exceeding 10m/s. The wind speed was checked with a portable meter capable of measurement in m/s.

2.1.2 Monitoring Locations

The EM&A Manual specified four locations for noise monitoring including village house in Ling Tsui Tau Tsuen (PNH4), No. 73 village house in Ling Tsui Tau Tsuen (LT2), No 23 village house adjacent to Tai Tei Tong River (TTT3) and No. 4 village house adjacent to Luk Tei Tong River Outlet (LTT4). During the recent site visits in June to October 2007, PNH4 and LTT4 were vacant. The gate for access to PNH4 was locked by the owner. Site access to No. 5 village house just next to LTT4 was not granted by the dweller. The PNH4 and LTT monitoring locations were therefore relocated to No. 31 village house just outside the entrance gate and the fence wall outside No. 5 village house, respectively. Alternative monitoring locations are summarised in Table 2-2 and shown in Figure 2-1.

Table 2-2: Baseline noise monitoring locations

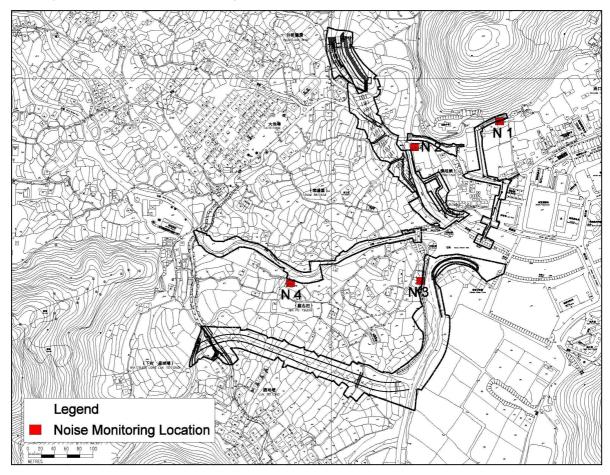
| ID | Description [1] | Monitoring Period | Remark |
|-------------------|--|----------------------|--|
| N1 | No. 73, Village House, Ling Tsui Tau Tsuen (roof height) | 9/9/07 to 23/9/07 | - |
| N2 | No. 31, Village House, Ling Tsui Tau Tsuen (1 st floor height) | 5/10/07 to 19/10/07 | The monitoring location was changed due to access restriction from the premises owner of PNH4. |
| N3 ^[2] | Fence wall outside No. 5 village house adjacent to Luk Tei Tong River Outlet (equivalent roof height of the nearby village house) | 9/9/07 to 23/9/07 | The monitoring location was changed due to access restriction from the premises owners of LTT4 and the nearby village house. |
| N4 | No. 23, Village House, Tai Tei | 4/10/07 to 19/10/07 | - |

| ID | Description [1] | Monitoring Period | Remark |
|----|--------------------------|----------------------|--------|
| | Tong River (roof height) | | |

Note:

- [1] Noise measurements were taken at a point 1m from the exterior of the selected premises and at a height with no disturbance to the dweller and least obstructed view.
- [2] A +3dB(A) is added to the measured noise level to account for the facade effect.

Figure 2-1: Noise monitoring locations



2.1.3 Monitoring Frequency

Baseline noise monitoring was conducted continuously for two consecutive weeks on weekdays and weekends. The noise level was measured in terms of the A-weighted equivalent continuous sound pressure level (L_{eq}) in a sample period of 5 minutes $L_{eq(30\text{min})}$, determined by taking the log average of 6 consecutive $L_{eq(5\text{min})}$, was reported for the time period between 0700 and 1900 on normal weekdays and $L_{eq(5\text{min})}$ was reported for all other time periods.

The actual dates of measurement are given in the schedule attached in Appendix 2.

2.2 Water Quality

2.2.1 Water Quality Parameters and Equipment

Turbidity (Tby) in Nephelometric Turbidity Unit (NTU), Dissolved Oxygen (DO) in mg/L and Suspended Solids (SS) in mg/L were monitored for this project. Tby and DO were measured

in-situ while samples were delivered to ALS Technichem (HK) Pty Ltd (HKOLAS laboratory) for analysis of SS. A summary of the water quality monitoring equipment is given in Table 2-3.

Table 2-3: Water quality monitoring equipment

| Equipment | Manufacturer & Model No. | Qty |
|--|--------------------------|-----|
| Handheld DO, Salinity & Temperature System | YSI 85 | 1 |
| Turbidimeter | HACH 2100P | 1 |
| pH meter | Mettler – Toledo SG2 | 1 |
| Water Sampler | Wild Co Instrument | 1 |

In association with the water quality parameters, some relevant data were also recorded, such as monitoring location/position, time, water depth, water temperature, salinity, weather conditions, sea conditions, tidal cycle, and any special phenomena and work underway at the construction site, etc.

Dissolved Oxygen and Temperature Measuring Equipment

The equipment to measure DO and temperature complied with the following requirements:

- i. The instrument (YSI 85) was a portable, weatherproof dissolved oxygen measuring instrument complete with cable and uses a DC power source. It was capable of measuring:
 - A dissolved oxygen level in the range of 0- 20 mg/L and 0-200% saturation; and
 - A temperature of 0-45°C.
- ii. It had a membrane electrode with automatic temperature compensation complete with a cable.
- iii. It had equipped with a salinity compensation device in the DO equipment.

Turbidity Measurement Instrument

The instrument (Hach model 2100P) was a portable, weatherproof turbidity-measuring instrument. The instrument was operated by a DC power source and had a photoelectric sensor capable of measuring turbidity between 0-1000 NTU.

Suspended Solids

The suspended solids was collected for laboratory testing by the water sampler (Wild Co Instrument) comprising a transparent PVC cylinder, with a capacity of not less than 2L and could be effectively sealed with latex cups at both ends. The sampler had a positive latching system to keep it open and prevent premature closure until released by a messenger when the sampler is at the selected water depth.

Water samples for SS measurement of both the marine and freshwater environment was collected in high density polythene bottles, packed in ice (cooled at 4°C without being frozen) and delivered to the laboratory within 24 hours after collection.

Water Depth Detector

A portable, battery-operated echo sounder was used for the determination of water depth at each designated monitoring.

Salinity

A portable salinometer (YSI Model 85) capable of measuring salinity in the range of 0-40 ppt was provided for measuring salinity of the water at each monitoring location.

Location of the Monitoring Site

A hand-held type DGPS was used during monitoring to ensure that the water sampling locations were correct.

Calibration and Accuracy of Instrumentation

All in-situ monitoring instruments were checked, calibrated and certified by ALS Technichem (HK) Pty Ltd. Responses of sensors and electrodes were checked with certified standard solutions before each use. Wet bulb calibration for the DO meter was carried out before measurement at each monitoring location. The calibration certificates are attached in Appendix 3. For the on site calibration of field equipment, BS 1427:1993, "Guide to Field and on-site test methods for the analysis of waters" was adopted. Table 2-4 gives the detection limits of the in-situ and laboratory measurements.

Table 2-4: Limit of detection of water quality parameters

| Determinant | Limit of Detection |
|-------------|--------------------|
| DO | 0.1 mg/L |
| Salinity | 0.1 ppt |
| Turbidity | 1 NTU |
| SS | 1 mg/L |

2.2.2 Monitoring Locations

Seven locations were selected for baseline water quality monitoring and the coordinates are given in Table 2-5 and presented in Figure 2-2. Since access to previous location C1 proposed in the EM&A manual was constrained by dense vegetation and muddy soil along the periphery of the river, the monitoring location was relocated to some 50m downstream at the only accessible location. In addition, the C2 monitoring location was also shifted to some 20m upstream so that the sample could be easily taken at the middle of river channel from the footbridge.

Table 2-5: Baseline water monitoring locations

| Water Monitoring Station No. | on No. Location | | | | | |
|------------------------------|-----------------|-----------|--|--|--|--|
| | Eastings | Northings | | | | |
| M1 (Impact Station) | 817425 | 814179 | | | | |
| C1 (Control Station) | 817270 | 814501 | | | | |
| M2 (Impact Station) | 817391 | 814156 | | | | |
| C2 (Control Station) | 816952 | 814227 | | | | |
| M3 (Impact Station) | 817402 | 814098 | | | | |
| C3 (Control Station) | 817356 | 813834 | | | | |
| M4 (Impact Station) | 817628 | 814118 | | | | |

Measurements were taken at mid-water depth at the designated monitoring stations.

LEGEND

LEGEND

CONTROL STATION

WATER QUALITY

MONITORING STATION

Figure 2-2 Water quality monitoring locations

2.2.3 Monitoring Frequency

Baseline water quality monitoring was conducted three times a week for four consecutive weeks to establish the water quality conditions prior to commencement of the construction works. The water quality monitoring was undertaken during ebb tide in accordance with the approved EM&A manual. Duplicate samples from each independent sampling event were taken.

The actual dates of measurement are given in the schedule attached in Appendix 2.

2.3 Ecology

Ecological baseline monitoring was carried out with reference to the requirements stipulated in the Final EM&A Manual. The methodology was proposed in accordance with the observations during the recent field visits.

The ecological baseline monitoring was conducted between 3 September and 7 September 2007. Fauna and flora baseline survey was conducted as follows:

2.3.1 Pak Ngan Heung (PNH) and Luk Tei Tong (LTT) Rivers

According to the Final EM&A Manual, the ecological survey was carried out in each of the 50m long improved sections of the river channels. A total of nine sections were divided for the two rivers (Figure 2-3) which include:

- Two sections for existing upstream of PNH river (i.e. the proposed 80m long trapezoidal channel)
- Two sections for existing downstream of PNH river (i.e. the proposed 100m long rectangular channel)
- Five sections for existing Luk Tei Tong River (i.e. the proposed 240m long trapezoidal channel)

The monitoring parameters and survey methodology for each section are described below:

Avifauna species and densities: Birds in each 50m section were surveyed quantitatively using transect count method. Five minutes were spent in each 50m section. As birds are usually more active in the morning, surveys were carried out early in the morning and completed before 10 a.m. Birds within the boundary of the proposed work areas (i.e. including the river channel and riverbank) were identified to species and their abundance was recorded. Birds flew over/across the proposed work areas without landing were not considered utilising the area and thus excluded from the records. Birds flushed by the surveyor and left the proposed work areas were counted. Nomenclature of birds followed Viney et al. (2005).

Aquatic macroinvertebrate community species composition and abundance: Surveys on aquatic fauna focused on determination of the diversity and abundance of stream aquatic communities. Kick sampling was found not suitable for the surveyed stream sections as either the substrates of the stream bed was sandy (in the PNH upstream), or the flow rate was not sufficient for kick sampling (in the PNH downstream). A twenty-minute search was conducted in each of the 50m section. Sampling methods included active searching, direct observation, and hand netting. In each section, macroinvertebrates were identified and their relative abundance was recorded. All species were released on site once they have been examined and recorded during the survey.

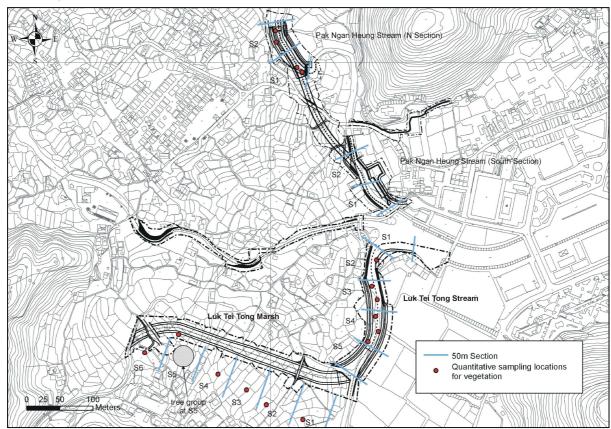
Fish community species composition and abundance: Surveys on fish focused on determination of the diversity and abundance of fish communities. A twenty-minute search was conducted in each of the 50m section. Sampling methods included active searching, direct observation, and hand netting. In each section, fishes were identified and their relative abundance was recorded. All species were released on site once they have been examined and recorded during the survey.

Adult odonate community species composition and abundance: Adult dragonflies in each 50m section were surveyed quantitatively. Twenty minutes were spent in each 50m section. As insects are ectothemic and more active when the ambient temperature is higher (New 1998), surveys were carried out between late morning and mid afternoon (i.e. 10 a.m. – 4 p.m.). Adult dragonflies within the boundary of the proposed work areas (i.e. within the river channel and on the riverbank) were identified to species and their abundance was recorded. Grasses on riverbank provide habitats for damselflies. These microhabitats were searched carefully as damselflies are mostly small in size. As some dragonfly species (e.g., Fiery Emperor Anax immaculifrons, Pale-spotted Emperor Anax guttatus) are strong flyers and seldom perch, dragonflies flew over/across the proposed work areas were also recorded. Species requiring close examination were netted. Nomenclature of dragonfly followed Wilson (2004). All species were released on site once they have been examined and recorded during the survey.

Aquatic, emergent and riparian vegetation community species composition and abundance: Line-intercept method was adopted to determine the relative plant cover. One to two line transects were set perpendicular to the stream channel at each section, and plant intercepting the transect line (including tree and shrub canopy and herbaceous species with intercept more than 1cm) was recorded by species. The two sections in PNH downstream

and sections 1 and 5 in LTT river however were channeled with vertical rock gabion and was little vegetated, which forbid quantitative sampling. Transect sampling was therefore conducted at PNH upstream and sections 2 to 4 in LTT river only. The summed transect length represents the sample for each section, and relative plant cover was computed. This will provide an estimate of weighted average cover that is not affected by total transect length. Relative cover of species X = Length of sampled line for species X/Total length of sampled line with vegetation cover * 100. Other than quantitative sampling, walk over surveys were also conducted to record plant species along the stream section. The relative abundance, conservation status of the species and their habitats recorded in Hong Kong as well as the overall summary of vegetation composition was described.

Figure 2-3: Location of stream and marsh sections and quantitative sampling locations for vegetation

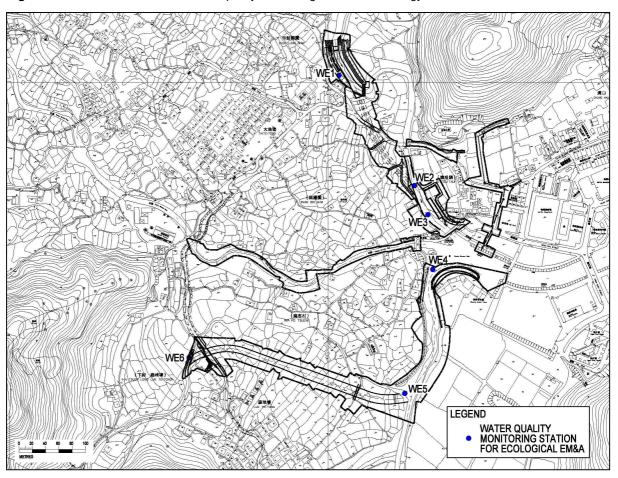


Water Quality: The monitoring locations are given in Figure 2-4. The parameters measured include DO, pH, salinity, Biochemical Oxygen Demand (BOD), SS, ammonia, nitrate and phosphate concentrations and water flow. Other physical parameters including monitoring location/position, time, water depth, temperature, weather conditions and any special phenomena were recorded on site. The monitoring methodology for DO, pH, salinity, temperature and SS is described in S.2.2.1 above. The BOD, ammonia, nitrate and phosphate concentrations were analysed in a HOKLAS accredited laboratory and the analyses followed the standard methods according to APHA Standard Methods for the Examination of Water and Wastewater, 19th Edition, or equivalent. The laboratory analytical methods for BOD, ammonia, nitrate and phosphate concentrations are given in Table 2-6 below.

Table 2-6 Laboratory analytical methods

| Parameter | Method | Limit of Detection |
|---------------------|-----------------------|--------------------|
| Nitrate | APHA 4500-NO3:F/NO2:B | 0.01 mg/L |
| Ammonia | APHA 4500 NH3:G | 0.01 mg/L |
| Reactive Phosphorus | APHA 4500 P:F | 0.01 mg/L |
| BOD | APHA 5210B | 2 mg/L |

Figure 2-4: Location of water quality monitoring stations for ecology



Sediment Characteristics: Sediment samples were also collected by sediment corer or grab sampler at the same locations and the same frequency as the water quality monitoring for ecology described above. One sample was collected in each of the proposed monitoring locations. The samples were stored in clean plastic bag for the subsequent particle size distribution analysis. The collected samples were cooled at 4°C in the dark and were not frozen. All samples were delivered to the laboratory (Geotechnics & Concrete Engineering (HK) Ltd) within 24 hours of sampling. The analyses followed the standard method according to Geo Spec No 3 - Model Specification for Soil Testing 2001.

2.3.2 LTT Bypass Channel

As stipulated in the Final EM&A Manual, baseline monitoring was conducted along a strip of existing marsh habitat adjacent to the proposed channel alignment (i.e. Reference Site). The ecological surveys were carried out in every 50m section (Figure 2.3).

The LTT marshland was not in a state of stream. Aquatic macroinvertebrate and fish surveys and water quality monitoring for ecology were therefore not able to be conducted. The reference site was divided into six 50m sections. The monitoring parameters and survey methodology for each section are described below:

Avifauna species and densities: Birds in each 50m section were surveyed quantitatively using transect count method. Five minutes were spent in each 50m section. As birds are usually more active in the morning, surveys were carried out early in the morning and completed before 10 a.m. Birds within the Reference Site were identified to species and their abundance was recorded. Birds flew over/across the Reference Site without landing were not considered inhabiting the area and thus were excluded from the records. Birds flushed by the surveyor and left the Reference Site areas were counted. Nomenclature of birds followed Viney et al. (2005).

Adult odonate community species composition and abundance: Adult dragonflies in each 50m section were surveyed quantitatively. Twenty minutes were spent in each 50m section. As insects are ectothemic and more active when the ambient temperature is higher (New 1998), surveys were carried out between late morning and mid afternoon (i.e. 10 a.m. – 4 p.m.). Adult dragonflies within the Reference Site were identified to species and their abundance was recorded. Grasses within the Reference Site provide habitats for damselflies. These microhabitats were searched carefully as damselflies are mostly small in size. As some dragonfly species (e.g., Fiery Emperor Anax immaculifrons, Pale-spotted Emperor Anax guttatus) are strong flyers and seldom perch, dragonflies flew over/across the Reference Site were also recorded. Species requiring close examination were netted. Nomenclature of dragonfly followed Wilson (2004). All species were released on site once they have been examined and recorded during the survey.

Aquatic, emergent and riparian vegetation community species composition and abundance: A 10m line transect was randomly laid in each 50 m section, and six 1m x 1m quadrats were placed regularly along the line transect. Percentage cover of each species within the quadrat was recorded to the nearest 10% (except "1" = present but insignificant cover, normally 1-2 individuals, and 5% = up to 5%). Other parameters were recorded within the quadrat, including average surface water depth to the nearest cm, modal vegetation height judged by eye and measured to the nearest cm. The average percentage cover of each species, average modal height and water depth at each section was computed. Other than quadrat sampling, walk over surveys were also conducted to record plant species. The relative abundance, conservation status of the species and their habitats recorded in Hong Kong as well as the overall summary of vegetation composition was described.

Herpetofauna community species composition and abundance: Herpetofauna surveys within the Reference Site were surveyed qualitatively by active searching in potential habitats. Since most herpetofauna are nocturnal, night surveys were conducted. Twenty minutes were spent in each 50m section. Reptiles were identified and their abundance was recorded. Amphibians were identified by their calls and the number of calling males in each section was recorded. Nomenclature of amphibians followed Chan et al. (2005) and that of reptiles followed Karsen et al. (1998).

2.3.3 Disused Watchtowers in LTT River

The disused watchtowers next to LTT river were checked for the nesting of White-shouldered Starling Sturnus sinensis prior to commencement of the construction works.

Surveys were carried out in wet season (i.e. including September). In order to minimize the disturbance to the nesting birds, observations were made at a distance from the watchtowers (> 30m). No attempt was made to go up the watchtowers. The watchtowers were visited in two sessions in a day — morning session and evening session. Each observation session lasted for 30 minutes. Breeding of the White-shouldered Starlings was determined by checking signs of attempt to breed or sign of breeding which include carrying nesting materials, to-and-fro movement of adults carrying food, presence of recently fledged juveniles, etc (Sharrock 1976). The number of breeding pairs and the site observation were recorded whenever possible.

2.4 Cultural Heritage

Baseline survey was carried out to establish the existing condition of the Yuen Compound as stipulated in the Final EM&A report. The Yuen Compound is a privately owned residence established in the 1920s. All of the original buildings are constructed of cut granite blocks quarried from Lai Chi Yuen Hill in Mui Wo. The compound includes 12 main buildings comprising 2 watchtowers, residential buildings and rice storage areas (Figure 2-5).

A field visit was conducted to the Yuen Compound and surrounds. The 12 main buildings identified in the 2003 Built Heritage report were surveyed, reviewed and photographed with respect to their exterior and where possible interior condition, architectural detail and any changes or omission since the 2003 buildings survey. Photographs were taken for record during the survey.

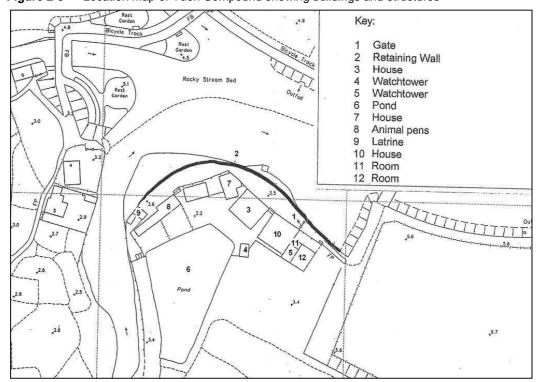


Figure 2-5 Location map of Yuen Compound showing buildings and structures

3 Baseline Monitoring Results

3.1 Noise

3.1.1 Weather Conditions and Other Factors

Noise monitoring was conducted from 9 September to 23 September 2007 for N1 and N3 and from 4/5 October to 19 October 2007 for N2 and N4. The weather was generally sunny and fine during the periods. Major noise sources during the monitoring periods were observed to originate from running stream water, human activities and occasional dog barking.

3.1.2 Summary Results

Noise monitoring results are summarised in Tables 3-1 and 3-2 for different monitoring periods, and details are attached in Appendix 4. Graphical presentations are shown in Figures 3-1 to 3-4.

Table 3-1: Baseline noise monitoring results in non-restricted period

| Period | Location | Mean Noise Level, L _{Aeq, 30mins} dB(A) |
|----------------------------|----------|---|
| | N1 | 45.3 |
| Daytime (0700-1900 hrs) on | N2 | 52.5 |
| normal weekdays | N3 | 52.3 |
| | N4 | 53.2 |

Table 3-2: Baseline noise monitoring results in restricted period

| Period | Location | Mean Noise Level, L _{Aeq, 5mins} dB(A) |
|-------------------------------|----------|--|
| | N1 | 48.3 |
| Evening time (1900-2300 hrs) | N2 | 51.3 |
| on normal weekdays | N3 | 52.5 |
| | N4 | 52.3 |
| | N1 | 47.4 |
| Night time (2300-0700 hrs) on | N2 | 47.6 |
| normal weekdays | N3 | 50.9 |
| | N4 | 51.4 |
| | N1 | 46.0 |
| Sunday & public holiday | N2 | 48.6 |
| | N3 | 51.4 |
| | N4 | 52.7 |

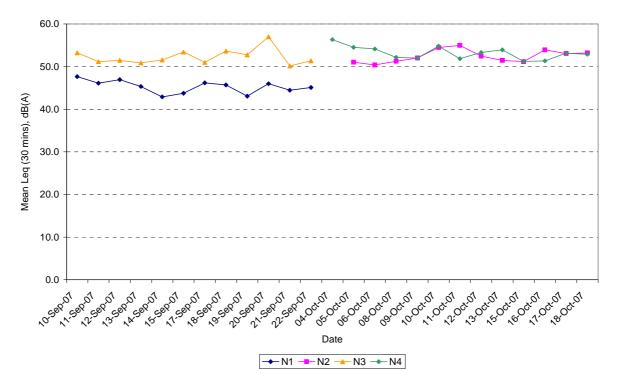
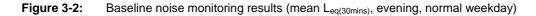
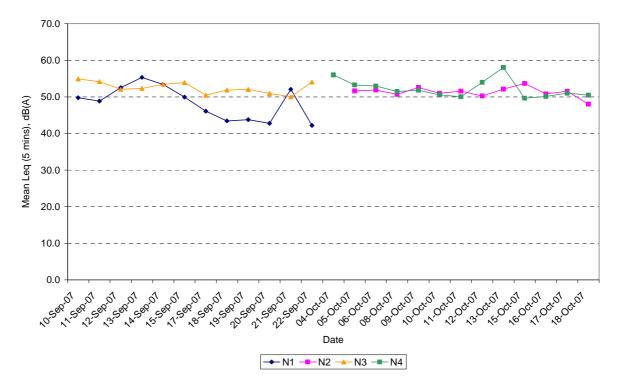


Figure 3-1: Baseline noise monitoring results (mean L_{eq(30mins)}, daytime, normal weekday)





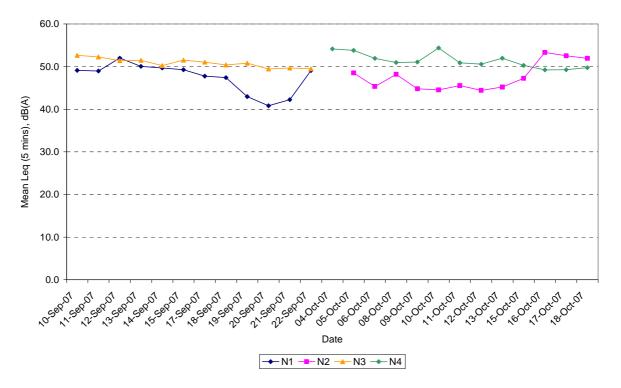
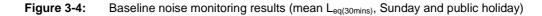
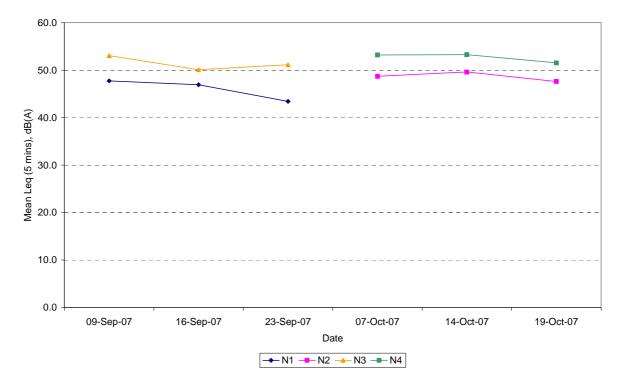


Figure 3-3: Baseline noise monitoring results (mean L_{eq(30mins)}, nighttime, normal weekday)





3.2 Water Quality

3.2.1 Weather Conditions and Other Factors

Water quality monitoring was conducted between 20 August and 14 September 2007. The weather was mainly sunny and fine during the period.

3.2.2 Summary Results

The monitoring results are summarised in Tables 3-3 and graphical presentations are shown in Figures 3-5 to 3-7. Details of the monitoring and QA/QC results are attached in Appendix 5. The data in Tables 3-3 are the averaged results from the two duplicated samples at the same depth and same position.

Table 3-3: Baseline water quality monitoring results at ebb tide

| Water | Parameters | | | | | | | |
|-----------------------------------|-------------------------------|--|-------------------------------|--|--|--|--|--|
| Quality Monitoring Location | Average DO in mg/L (Range) | Average Turbidity in NTU (Range) | Average SS in mg/L (Range) | | | | | |
| M1 | 6.55 | 9.45 | 6.88 | | | | | |
| | (5.72 - 7.23) | (3.77 – 17.35) | (1.50 – 13.00) | | | | | |
| M2 | 6.65 | 2.75 | 1.63 | | | | | |
| | (6.20 – 7.29) | (1.19 – 6.77) | (1.00 – 4.50) | | | | | |
| МЗ | 6.53 | 7.14 | 5.71 | | | | | |
| | (5.82 – 7.72) | (2.37 – 28.30) | (2.50 – 19.00) | | | | | |
| M4 | 6.62 | 8.64 | 6.46 | | | | | |
| | (5.35 – 7.21) | (4.17 – 18.50) | (2.00 – 15.50) | | | | | |
| C1 | 6.36 | 3.69 | 2.29 | | | | | |
| | (6.17 – 6.73) | (1.21 – 7.40) | (1.00 – 6.50) | | | | | |
| C2 | 6.28 | 2.19 | 1.38 | | | | | |
| | (5.45 – 7.11) | (1.11 – 4.41) | (1.00 – 4.00) | | | | | |
| С3 | 6.01 | 3.31 | 1.92 | | | | | |
| | (5.10 – 6.83) | (1.54 – 8.35) | (1.00 – 4.50) | | | | | |

9.00 8.00 7.00 – M1 6.00 _ M2 OO (mg/L) 5.00 М3 M4 4.00 *- C1 3 00 – C2 _ C3 2.00 1.00 0.00 8/22/2007 9/13/2007 8/28/2007 9/1/2007 9/11/2007 8/26/2007 Date

Figure 3-5: Baseline water quality monitoring results – dissolved oxygen at ebb tide

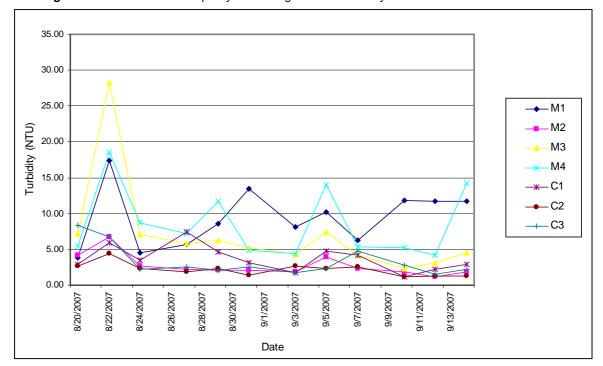
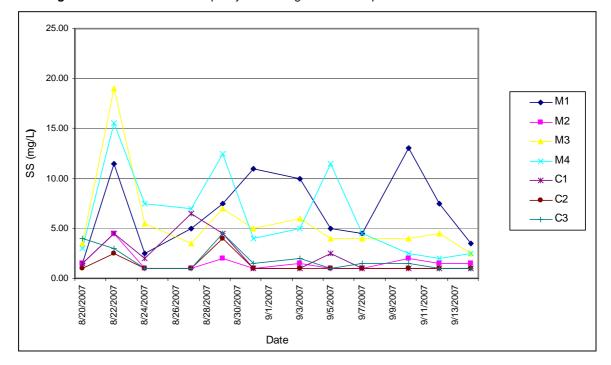


Figure 3-6: Baseline water quality monitoring results – turbidity at ebb tide





The monitoring results indicated that the DO level was similar in both impact and control stations; while turbidity and SS was in general higher in the impact stations except M2. The tidal effect and possible discharge from agricultural ditch adjacent to the control station are possible influencing factors to the monitoring results at downstream and upstream C1 during/after rainstorm, respectively.

3.3 Ecology

3.3.1 Luk Tei Tong Marsh Reference Site

3.3.1.1 Vegetation

A total of 33 species was recorded within quadrats along the 6 sections of the reference site. The marsh was fairly heterogeneous in terms of species composition. Only *Mikania micrantha* was recorded at all sections; while most of the other species were only recorded in one or two sections. Average cover of vegetation varied from 145.0% to 188.2%, indicating mild to moderate overlap of canopy of species, for example, Mikania overgrown on other plants, or grasses and herbs grown under broadleaved species (Table 3-4). Average modal height of vegetation ranged from 60.6cm to 100.4cm. During the survey, the substrate of the reference site was soft and saturated from Section 1 to Section 3 and standing water was recorded at the Colocasia field, while Section 4 to Section 6 were relatively dry.

A total of 64 species was recorded at and around the reference section (Appendix 6). Forty-seven were native while 17 were exotics. They are mainly composed of grasses, remnants of commercial crops, exotics or pantropical weeds. The marsh was wet agricultural field grown with *Colocasia esculenta* (yam) and *Hedychium coronarium* (ginger flower) and was abandoned for probably more than 20 years. The remnants of these crops were still seen in "wetter" part of the marsh. Some native pioneer tree and shrub species as well as exotic landscape trees established within the marsh as tree stands or isolated individuals within the site. No species recorded are protected under local regulations or known to be of conservation interest in Hong Kong. According to the approved EIA and findings from the previous site visit during dry season of 2005 and the present baseline survey, both the impacted area (i.e. the proposed LTT bypass channel) and the reference site represented the relatively drier portion of the whole Luk Tei Tong Marsh.

Table 3-4: Percentage cover and modal height of vegetation at the reference site of Luk Tei Tong Marsh

| Species | Total Percentage Cover | | | | | | | | |
|----------------------------|------------------------|-----------|--------------|--------------|---------------|--------------|--|--|--|
| | Section 1 | Section 2 | Section 3 | Section 4 | Section 5* | Section 6 | | | |
| Ageratum conyzoides | | | | | 46.0 | 0.2 | | | |
| Apluda mutica | | | 30.0 | | | | | | |
| Colocasia esculenta | | 26.0 | 46.0 | | | | | | |
| Commelina diffusa | 10.2 | 68.0 | 0.4 | | | | | | |
| Conyza canadensis | | | | | | 2.0 | | | |
| Cyclosorus interruptus | | | 5.2 | | | | | | |
| Cyperus imbricatus | | | | 3.0 | | | | | |
| Echinochloa crusgalli | 6.0 | | | | | | | | |
| Eupatorium catarium | 0.4 | | | | | | | | |
| Fimbristylis sp. | | | | 13.0 | 1.0 | 0.3 | | | |
| Hedychium coronarium | | | 1.0 | 2.0 | 31.2 | | | | |
| Hedyotis diffusa | | | | 0.2 | | | | | |
| Hydrocotyle sibthorpioides | | | | 1.6 | | | | | |
| Ipomoea cairica | | | | | 9.0 | | | | |
| Isachne globosa | 15.2 | | | 34.0 | | | | | |
| Kyllinga brevifolia | | | | | 0.2 | | | | |
| Lindernia cordifolia | | | | 0.2 | | | | | |
| Ludwigia octovalvis | 35.0 | | | 13.0 | | | | | |
| Microstegium ciliatum | | | | | 14.0 | 68.0 | | | |
| Mikania micrantha | 19.0 | 68.0 | 64.0 | 17.0 | 7.0 | 1.0 | | | |

| Species | Total Percentage Cover | | | | | | | |
|-----------------------|------------------------|-----------|--------------|--------------|---------------|--------------|--|--|
| | Section 1 | Section 2 | Section 3 | Section 4 | Section 5* | Section 6 | | |
| Panicum maximum | | | | | | 10.0 | | |
| Panicum repens | | | | | | 0.2 | | |
| Paspalum conjugatum | 10.0 | | | | 0.2 | 2.4 | | |
| Paspalum orbiculare | 48.0 | | | | 0.2 | | | |
| Paspalum paspaloides | | | | 98.0 | | | | |
| Phyllodium puchellum | | | | | | 16.0 | | |
| Polygonum perfoliatum | 1.2 | | 5.0 | | 0.2 | | | |
| Pueraria phaseoloides | | | | | 2.0 | 36.0 | | |
| Pycreus flavidus | | | | 3.2 | | | | |
| Rhynchospora rubra | | | | 3.0 | | | | |
| Sapium sebiferum | | | | | 1.0 | | | |
| Urena lobata | | | | | 10.0 | 1.0 | | |
| Wedelia trilobata | | | | | | 8.4 | | |
| Total Cover | 145.0 | 162.0 | 151.6 | 188.2 | 122.0 | 145.5 | | |
| | | | | | | | | |
| Modal Height (cm) | 82.8 | 60.6 | 84.0 | 96.2 | 89.8 | 100.4 | | |
| Water Depth (cm) | 0.0 | 2.0 | 2.0 | 0.0 | 0.0 | 0.0 | | |

Note: * Quadrats in Section 5 were shifted sideward to avoid a tree group at the reference site, but it was found later that the quadrats fell within the project area which will be encroached during construction. Data was retained in the result since the species composition was similar to that found in other quadrat samples and percentage cover and modal height fell within the range of other samples.

3.3.1.2 Terrestrial Fauna

All recorded avifauna and dragonfly species are common in Hong Kong. A total of nine species of birds were recorded in the reference site of the Luk Tei Tong marsh. High number of birds in the first and second sections was found mainly due to the presence of trees, which provide roosting and foraging habitats.

 Table 3-5:
 Avifauna recorded in Luk Tei Tong Marsh Reference Site

| Common | Latin names | | Section | | | | Commonness | |
|--------------------------|---------------------------|----|---------|----|---|---|------------|----------------|
| names | | 1 | 2 | 3 | 4 | 5 | 6 | & distribution |
| Chinese Bulbul | Pycnonotus sinensis | | 2 | | | | | CW |
| Red-whiskered Bulbul | Pycnonotus jocosus | | 3 | 2 | | | | CW |
| Oriental Magpie Robin | Copsychus saularis | | | | 1 | | 1 | CW |
| Common Tailorbird | Orthotomus sutorius | | | 1 | | | | CW |
| Japanese White-eye | Zosterops japonica | | | 6 | | | | CW |
| Crested Myna | Acridotheres cristatellus | 15 | | 12 | | | | CW |
| Black-necked Starling | Sturnus nigricollis | 2 | | | | | | CW |
| Black Drongo | Dicrurus macrocercus | | 1 | | 1 | | | CW |
| Rufous-backed Shrike | Lanis schach | | | 1 | | 1 | | CW |

Note: CW = common and widespread

A total of 10 species of dragonfly was recorded in the 6 sections of Luk Tei Tong marsh reference site. Diversity of dragonfly was higher in the Luk Tei Tong Marsh Reference Site

than in other sites surveyed during the baseline monitoring (see below sections), which is attributed to the high vegetation cover on the marsh. In addition, grasses on the marsh also provided both foraging and perching habitat.

Table 3-6 Dragonfly recorded in Luk Tei Tong River Marsh Reference Site

| Common | Latin names | | Section | | | | Commonness | |
|-------------------------|-----------------------|----|---------|----|---|---|------------|----------------|
| names | | 1 | 2 | 3 | 4 | 5 | 6 | & distribution |
| Orange-tailed Sprite | Ceriagrion auranticum | | 8 | 12 | | | | А |
| Common Bluetail | Ischnura senegalensis | 10 | 10 | 25 | 5 | | | А |
| Asian Pintail | Acisoma panorpoides | | | | | 2 | | С |
| Common Red Skimmer | Orthetrum pruinosum | | | | 1 | | | А |
| Red-faced Skimmer | Orthetrum chrysis | | | | | | 1 | С |
| Green Skimmer | Orthetrum sabina | | | 2 | | 1 | 1 | С |
| Blue Dasher | Brachydiplax chalybea | | | | | 2 | | С |
| Russet Percher | Neurothemis fulvia | | | 2 | | | | А |
| Pied Percher | Neurothemis tullia | 1 | 1 | | 1 | | | С |
| Wandering Glider | Pantala flavescens | | | | 5 | | 15 | А |

Note: A = abundant, C = common

No herpetofauna (reptile and amphibian) was recorded in any surveyed sections.

3.3.2 Pak Ngan Heung River

3.3.2.1 Vegetation

The Pak Ngan Heung upstream section was also modified but to a lesser extent. Part of the west bank was lined with rock gabion bank and occupied by village houses, while part was abandoned agricultural field. The upstream channel was wider than the downstream section, but the stream bank was still fairly narrow and steep in gradient. Compared to the downstream section, the upstream section was relatively shaded due to presence of more trees with larger canopy. The walk through survey recorded a total of 40 species, including 13 trees, 4 shrub, 11 herb, 6 grass, 3 climber and 3 fern species. 33 of the species recorded are natives, while 7 were exotics (Appendix 6). The quantitative sampling recorded 18 species at the upstream section. The grass *Microstegium ciliatum* and the weedy climber *Mikania micrantha* dominated the stream bank of both sections. Other species recorded include common and typical native pioneer forest and streamside tree species. No species of conservation interest was recorded.

Table 3-7: Relative percentage cover of vegetation recorded at Pak Ngan Heung Upstream

| Species | Relative % cover | | | | | | |
|-------------------------|------------------|-----------|--|--|--|--|--|
| | Section 1 | Section 2 | | | | | |
| Alocasia macrorrhiza | | 6.3 | | | | | |
| Centotheca latifolia | 4.3 | | | | | | |
| Christella parasitica | | 0.9 | | | | | |
| Cleistocalyx operculata | 0.7 | | | | | | |
| Commelina paludosa | 6.4 | | | | | | |
| Ipomoea cairica | | 0.6 | | | | | |
| Lantana camara | | 0.9 | | | | | |

| Species | Relative ⁶ | % cover |
|---------------------------|-----------------------|-----------|
| | Section 1 | Section 2 |
| Ludwigia perennis | | 0.6 |
| Macaranga tanarius | | 15.5 |
| Mikania micrantha | 32.6 | 20.0 |
| Microstegium ciliatum | 39.7 | 20.6 |
| Panicum maximum | | 30.9 |
| Paspalum paspaloides | 2.8 | |
| Phyllanthus urinaria | 2.8 | |
| Pogonatherum crinitum | | 3.2 |
| Polygonum chinense | 1.4 | |
| Pueraria phaseoloides | 2.1 | 0.5 |
| Sterculia lanceolata | 7.2 | |
| Total | 100 | 100 |
| | | |
| Total Transect Length (m) | 13 | 40 |

The Pak Ngan Heung downstream section was highly modified. Both banks were lined with rock gabions and were occupied by village houses immediately behind the channel. The stream channel was lack of riparian zone and vegetation. A total of 17 species recorded, 9 of which were native and 8 were exotic. It was composed of isolated individuals of mangrove (*Kandelia obovata*), backshore species (*Clerodendrum inerme*), native (*Celtis sinensis*) and planted trees (*Acacia confusa*). No species of conservation interest was recorded.

3.3.2.2 Terrestrial Fauna

All recorded avifauna and dragonfly species are common in Hong Kong. A total of seven species of birds were recorded in the proposed work area of the Pak Ngan Heung River.

Table 3-8 Avifauna in Pak Ngan Heung

| Common names | Latin names | Upstream section | | Downstream section | | Commonness & distribution | |
|--------------------------|---------------------|------------------|---|--------------------|---|---------------------------|--|
| | | 1 | 2 | 1 | 2 | | |
| Little Egret | Egretta garzetta | | | | 1 | CW | |
| Common Kingfisher | Alcedo atthis | | | | 1 | CW | |
| White Wagtail | Motacilla alba | | 1 | | 1 | CW | |
| Chinese Bulbul | Pycnonotus sinensis | | | 2 | | CW | |
| Common Tailorbird | Orthotomus sutorius | 1 | | | | CW | |
| Oriental Magpie Robin | Copsychus saularis | | | 1 | | CW | |
| Japanese White-eye | Zosterops japonica | | 2 | | | CW | |

Note: CW = common and widespread

A total of seven species of dragonfly was recorded in the proposed work area of the Pak Ngan Heung River.

Table 3-9 Dragonfly in Pak Ngan Heung

| Common names | Latin names | Upstream section | | Downstream section | | Commonness & distribution | |
|----------------------|-----------------------|------------------|---|--------------------|---|---------------------------|--|
| | | 1 | 2 | 1 | 2 | | |
| Orange-tailed Sprite | Ceriagrion auranticum | | 2 | | | А | |
| Common Bluetail | Ischnura senegalensis | | 6 | | | Α | |

| Common names | Latin names | Upstream section | | Downstream section | | Commonness & distribution |
|-----------------------|---------------------|------------------|---|--------------------|---|---------------------------|
| | | 1 | 2 | 1 | 2 | |
| Common Red Skimmer | Orthetrum pruinosum | | | 1 | | A |
| Red-faced Skimmer | Orthetrum chrysis | | 1 | | | С |
| Crimson Dropwing | Trithemis aurora | | | | 1 | A |
| Indigo Dropwing | Trithemis festiva | 1 | | | | A |
| Wandering Glider | Pantala flavescens | 1 | | | | A |

Note: A = abundant, C = common

3.3.2.3 Aquatic Fauna and Fish

The water quality results showed that all sampling stations were of fair water quality. The BOD of all three sampling stations in Pak Ngan Heung River were below 2 mg/L, while the DO ranged between 6.4 – 6.8 mg/L, both indicating low level of organic materials and thus low pollution level. Data of other parameters including ammonia, nitrate, and phosphorus did not show any abnormality. A low salinity was recorded. Analysis of particle size distribution indicated that the sediment sample comprises mainly sand and gravel with 46% and 53% respectively at upstream WE1. The particle size distributions of the samples at downstream WE2 and WE3 are similar, with about 5% of clay and silt, 65% of sand and 30% of gravel. Detailed monitoring and QA/QC results are given Appendix 7. The baseline conditions of water quality and sediment characteristics were established so as to facilitate comparisons with construction phase and operational phase. Any changes of water quality and sediment characteristics identified would provide the basis to distinguish the causes (e.g. whether or not due to the project construction works) of impacts, in any, on ecological conditions.

6 species of fish and one crustacean were recorded in the four sections at PNH. Among them, Spotty Band Goby *Glossogobius olivaceus* is considered uncommon (Lee et al. 2004), while others are common and widespread in Hong Kong. Abundant individuals of a species of cichlid fish, probably to be released/introduced into the stream, were found just upstream to the existing weir. The two fish species of conservation concern reported in the EIA report, i.e. Flagtail *Kuhlia marginata* and Predaceous Chub *Parazacco spilurus* were not recorded in PNH during the baseline monitoring survey.

Table 3-10: Aquatic Invertebrates and fish in Pak Ngan Heung

| Common names | Scientific names | Upstream section | | Downstream section | | |
|--------------------------|-----------------------------|------------------|---|--------------------|----|--|
| | | 1 | 2 | 1 | 2 | |
| Crab | Varuna litterata | | | + | + | |
| Chameleon Goby | Tridentiger trigonocephalus | | | + | | |
| Tropical Sand Goby | Papillogobius reichei | | + | ++ | | |
| Spotty Band Goby | Glossogobius olivaceus | | | + | | |
| Tilapia (cichlid fishes) | | +++ | | | | |
| Jarbua Terapon | Terapon jarbua | | | ++ | ++ | |
| Mullet | Mugil cephalus | | | ++ | ++ | |

Note: + = Occasional, less than 5 individuals were found; ++ = Common, 5 - 20 individuals were found; +++ = Abundant, more than 20 individuals were found.

3.3.3 Luk Tei Tong River

3.3.3.1 Vegetation

The Luk Tei Tong river section was highly modified. The stream banks from Section 1 to 4 were largely lined with rock gabions or concrete while stream bank of section 5 were fully lined with wired rock gabions and was little vegetated. Vegetation only established on

isolated muddy patches at the estuary and remaining semi-natural bank which was fairly narrow and steep in gradient. The whole section appeared to be subject to tidal influence, as mangrove associated or backshore species were recorded along the whole channel. The walk through survey recorded a total of 30 species, including 9 tree, 5 shrub, 1 herb, 4 grass, 1 fern, 5 climber and 5 fern species. 24 of the species recorded are natives, while 6 were exotics. The quantitative sampling recorded 13 species at the north section. Section 2 was dominated by *Premna serratifolia* and *Paspalum paspaloides*, while Section 3 and 4 was dominated by *Hibiscus tiliaceus* and *Clerodendrum inerme* respectively. A list of plant species recorded is given in Appendix 6.

Due to the patchiness of streamside vegetation, the quantitative data should be interpreted with cautions and used as a reference only.

 Table 3-11
 Relative percentage cover of vegetation recorded at Luk Tei Tong River

| | Relative % cover | | | | | | | | |
|---------------------------|------------------|-----------|-----------|--|--|--|--|--|--|
| Species | Section 2 | Section 3 | Section 4 | | | | | | |
| Acanthus ilicifolius | 6.7 | | | | | | | | |
| Celtis sinensis | 5.6 | | | | | | | | |
| Clerodendrum inerme | | 2.5 | 50.9 | | | | | | |
| Cyperus malaccensis | | 0.6 | | | | | | | |
| Derris trifoliata | | 4.3 | | | | | | | |
| Fimbristylis ferruginea | | | 15.2 | | | | | | |
| Fimbristylis sp. | 1.1 | | | | | | | | |
| Hibiscus tiliaceus | | 62.1 | 33.9 | | | | | | |
| Kandelia obovata | | 30.5 | | | | | | | |
| Paspalum paspaloides | 28.1 | | | | | | | | |
| Premna serratifolia | 28.1 | | | | | | | | |
| Terminalia catappa | 10.1 | | | | | | | | |
| Wollastonia biflora | 20.3 | | | | | | | | |
| Total | 100.0 | 100.0 | 100.0 | | | | | | |
| | | | | | | | | | |
| Total Transect Length (m) | 9.0 | 22.8 | 16.5 | | | | | | |

3.3.3.2 Terrestrial Fauna

All recorded avifauna and dragonfly species are common in Hong Kong. The proposed work area of Luk Tei Tong River was divided into 5 sections. A total of eight species of birds was recorded in these sections. No bird was recorded in Section 3.

Table 3-12 Avifauna in Luk Tei Tong River

| Common names | Latin names | | | Commonness | | | |
|----------------------------|---------------------------|---|---|------------|---|---|----------------|
| | | 1 | 2 | 3 | 4 | 5 | & distribution |
| Little Egret | Egretta garzetta | 1 | | | | | CW |
| White-breasted Waterhen | Amaourornis phoenicurus | | 1 | | | | CW |
| White Wagtail | Motacilla alba | 1 | | | | | CW |
| Chinese Bulbul | Pycnonotus sinensis | | | | | 2 | CW |
| Oriental Magpie Robin | Copsychus saularis | | | | 1 | | CW |
| Japanese White- eye | Zosterops japonica | | | | | | CW |
| Crested Myna | Acridotheres cristatellus | | | | | 1 | CW |
| Black-necked Starling | Sturnus nigricollis | | | | 1 | | CW |

Note: CW = common and widespread

A total of 5 species of dragonfly was recorded in the five sections of Luk Tei Tong River.

Table 3-13 Dragonfly in Luk Tei Tong River

| Common names | Latin names | | | Commonness | | | |
|-----------------------|---------------------|---|---|------------|---|---|----------------|
| | | 1 | 2 | 3 | 4 | 5 | & distribution |
| Common Red Skimmer | Orthetrum pruinosum | | | | 1 | | А |
| Red-faced Skimmer | Orthetrum chrysis | | | 1 | | | С |
| Crimson Dropwing | Trithemis aurora | | | 1 | | | Α |
| Indigo Dropwing | Trithemis festiva | | 1 | | 1 | | Α |
| Wandering Glider | Pantala flavescens | 2 | 1 | | 1 | 5 | A |

Note: A = abundant, C = common

3.3.3.3 Aquatic Invertebrates and Fish

The water quality results showed that all sampling stations were of fair water quality. The BOD of all three sampling stations in Luk Tei Tong River were below 2 mg/L, while the DO ranged between 5.7 – 7.6 mg/L, both indicating low level of organic materials and thus low pollution level. Data of other parameters including ammonia, nitrate, and phosphorus did not show any abnormality. WE4 is located in section under the tidal influence. A high salinity (i.e. 7.6 g/L) was recorded. Analysis of particle size distribution indicated that the sediment samples comprise high percentage of sand at downstream WE4 near outlet (>80%) and high percentage of gravel at upstream WE6 (>60%). Detailed monitoring and QA/QC results are given in Appendix 7. The baseline conditions of water quality and sediment characteristics were established so as to facilitate comparisons with construction phase and operational phase. Any changes of water quality and sediment characteristics identified would provide the basis to distinguish the causes (e.g. whether or not due to the project construction works) of impacts, in any, on ecological conditions.

6 species of fish, 2 species of crustacean and 3 species of mollusks were recorded in the 5 sections at LTT. All are common and widespread in Hong Kong. The two fish species of conservation concern reported in the EIA report, i.e. Flagtail *Kuhlia marginata* and Predaceous Chub *Parazacco spilurus* were not recorded in LTT during the baseline monitoring survey.

Table 3-14 Aquatic invertebrates and fish in Luk Tei Tong River

| Common names | Scientific names | Section | | | | | | |
|-----------------------|----------------------------|---------|----|-----|-----|-----|--|--|
| | | 1 | 2 | 3 | 4 | 5 | | |
| Crab | Varuna litterata | + | | + | + | | | |
| Uca crab | Uca lactea | + | ++ | +++ | | | | |
| Mangrove clam | Geloina erosa | | | + | + | | | |
| Snail | Melanoides tuberculata | + | + | +++ | +++ | +++ | | |
| Tropical Sand Goby | Papillogobius reichei | | | | | | | |
| Common mudskipper | Periophthalmus cantonensis | ++ | ++ | ++ | ++ | | | |
| Tilapia | | ++ | ++ | | | | | |
| Jarbua terapon | Terapon jarbua | + | + | + | | | | |
| Mullet | Mugil cephalus | ++ | ++ | | | | | |

Note: + = Occasional, less than 5 individuals were found; ++ = Common, 5 - 20 individuals were found; +++ = Abundant, more than 20 individuals were found.

3.3.4 Disused Watchtowers

There was no sign (e.g., adults carrying food or nesting materials) of use of the watchtowers as nesting habitat by White-shouldered Starling. No White-shouldered Starling was

observed in the nearby areas too. Actually, the space between the bars of the windows of the tower is wide enough for potential predators (e.g., Magpie *Pica pica*, Large-billed Crow *Corvus macrorhynchus*) to enter. Therefore, the watchtower is not considered optimal nesting habitat for White-shouldered Starling.

3.4 Cultural Heritage

The 12 structures of the Yuen Compound were surveyed using the same numbering as that of the 2003 survey. This is to allow continuity of monitoring, to allow straightforward comparison of building condition over the past years.

3.4.1 No 1 - Entrance Gate

The entrance fence and gate to the Yuen Compound on the eastern side of the settlement is some 2.5m high with two square columns constructed of granite blocks on either side of a gate of iron bars within the centre of the fence and about 1m wide. The fence spans the entrance pathway and extends from another square granite brick column set on the riveredge retaining wall to the north across to building No. 10 into the south. A semi-circular plaster decoration sits above the gateway lintel. The metal bars have been painted grey and the granites blocks have been painted yellow.

The condition of the gateway and associated masonry is fair with some cracks within the mortar particularly around the column bases. The condition of the gate appears altered since 2003.



Photo 1: No 1 - Entrance Gate

3.4.2 No 2 - Retaining - Riverside Wall

A riverside masonry retaining wall of some 3m high extends the length of the compound for about 110 metres and forms the northern boundary of the Compound located on the southern bank of the Luk Tei Tong River. The wall is up to 22 courses high, composed of cut granite blocks and is stepped in an upper and lower phase. The base of the wall is

underwater at high tide, while some parts of the southern riverbank and a number of mature banyan trees are exposed above the water.

The condition of the retaining wall is poor and collapsing in the middle section for a length of about 40 metres. The condition of the rest of the wall is fair.



Photo 2: No 2 - Retaining - riverside wall

3.4.3 No 3 - Large Central House of "Yu Tak Li Wai"

The Large Central House of Yu Tak Li Wai is a large square two storey building with two main sections: (1) part of the rear half of the building which has a pitched roof and a plain ridge; (2) the front half which has a flat roof and balustraded balcony which overlooks the pond. The rear part of the building has a central section which is open from the ground floor to the roof. To the rear of this and two side sections have two floors. The ground floor ceilings and roof are supported by stone columns.

The front part of this building has a central hall used as a family shrine, with a recessed entrance. There are rooms on either side of the shrine. The second floor is open at the front where it overlooks the pond via a balcony. A plaque on the mid front roof was inscribed "Yu Tak Li Wai" after the original owner, as advised by the current owner. The inscription is now unreadable.

The condition of the building is fair to good with regard to stonework and mortar much of which has been rendered with concrete. There do not appear to be any large cracks within the exterior walls. The ground floor ceiling has been patched with concrete. The conditions of upper second floor particularly the central eaves are fair to poor and appear to have deteriorated since the 2003 survey as have some of the window glass and shutters.



Photo 3: No 3 - Large Central House of "Yu Tak Li Wai" - Front view



Photo 4: No 3 - Large Central House of "Yu Tak Li Wai" - Rear View (NE)



Photo 5: No 3 - Large Central House of "Yu Tak Li Wai" - Rear View

3.4.4 No 4 - Small Watchtower

The Small Watchtower is a small detached square shaped building of granite stone block construction with a high ground floor open to the north and a low second-floor/attic room. The entrance is via the southern side through a gate of iron bars. The only windows are two small openings to the front and rear in the upper floor. The roof is of pitched pan and roll tiles. The thickness of the stone walls with two stones brick courses with rubble fill suggests that this building was well fortified. According to the present owner, two guards occupied the upper floor to watch over agricultural fields to the south. There was an opening in the floor which was accessed only by a ladder.

The condition of the small watchtower is fair with cracks in the upper north-east corner of the masonry. The mortaring of the building has been extensively rendered which is likely to conceal further cracks in the stonework. The roof is in poor condition with loss of many tiles along the lower roof to the south.



Photo 6: No 4 - Small Watchtower



Photo 7: No 4 - Small Watchtower (NE corner)



Photo 8: No 4 - Small Watchtower (East wall)

3.4.5 No 5 - Large Watchtower

The Large Watchtower is a square three storey watchtower constructed of cut granite block. The roof is flat with a parapet some 5 courses high. The tower is joined to other buildings on all sides except the south-west. There are windows in the upper and middle floors in the south-east wall while the north-east and north-west wall have a single window in the top floor. There are also open slits in the walls on three sides.

The entrance to the watchtower is only via the house to the north-west. There is no stairway between the ground and first floor of the watchtower and access was presumably by ladder. The interior of the tower includes the ruins of a brick built oven on the ground floor, which is full of rubble, house debris and old furniture. The ceiling between the ground and first floor has collapsed.

The external condition of the watchtower is poor with prominent cracks in the stonework. The interior ground floor ceiling has collapsed.



Photo 9: No 5 - Large watchtower



Photo 10: No 5 - Large watchtower (Interior)

3.4.6 No 6 - Pond

The large pond lies within and south of the Yuen Compound. It is about 500m² large and is roughly triangular in shape. The pond is bounded by a low cut stone wall with some 3 course high to the north and an earthen wall to the east.

The concrete pavement is deteriorating due to seepage/flooding of the pond immediately (for a metre or so) north of the pond wall. Otherwise the pond wall is in fair to good condition.



Photo 11: No 6 - Pond



Photo 12: No 6 - Pond

3.4.7 No 7 - House - concrete rendered

The House is an irregular rectangular building of granite stone block construction completely covered with concrete render. The northern part of the building is two storeys with a molded concrete parapet while the southern part is one storey but with a flat roof and a green concrete balustrade. The house is currently occupied and was recently renovated and painted pink. The condition of this house is good.



Photo 13: No 7 - House

3.4.8 No 8 - Chicken Pens

The Chicken Pens is a long low rectangular shaped stone building of 9 stock pens with a flat concrete roof. The dividing walls between each pen are half height with iron bars reaching to the roof. Metal grills cover the windows and there are 3 iron gates in the front of the building which allow access to the pens.

The condition of this building is fair with no large or frequent cracks. The mortar has been mostly rendered with concrete. The building appears in similar condition to 2003.

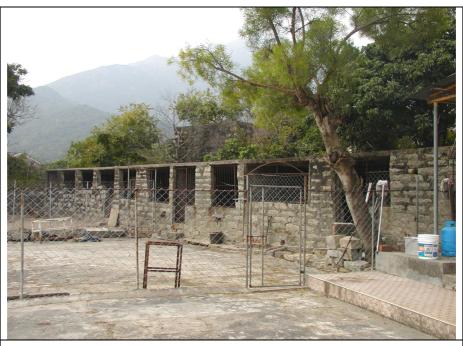


Photo 14: No 8 - Chicken pens

3.4.9 No 9 - Latrine

Two adjoining small buildings constructed of cut granite blocks with flat reinforced concrete roves are used as a latrine by the former compound workers. There are small windows in the NE and NW walls of the larger structure and larger windows in the adjoining smaller structure in the NW and SW walls.

The condition of this building is fair with no large or frequent cracks on the SE side but quite poor and cracked on the river side (NW). The mortar has been mostly rendered with concrete. The interior has a concrete slab floor with common debris on the floor. The interior walls are in fair to poor condition and have been patched with concrete throughout. Some small saplings have grown through the walls in some places. The building appears in similar condition to 2003.



Photo 15: No 9 - Latrine



Photo 16: No 9 - Latrine (interior)

3.4.10 No 10 - Large house

The Large House is a large square shaped building of similar dimensions to the "Yu Tak Li Wai" building to its immediate north-west. This building also has two sections both of 2 storeys (i) a larger main part with a pitched tile roof and a large open room with 2 cut-stone columns and a wooden staircase to the first floor on the NE wall, and (ii) a smaller front section of an entrance hall and 2 side chambers. There are barred windows on either side of the entrance and 6 barred windows along the first floor. A window has been bricked-up on the NW side wall. The reinforced concrete ceiling has partly collapsed in this front section.

The building is derelict and external walls are in poor condition. Part of the roof is missing from the front left section and there are prominent cracks and loss of mortar particularly obvious in the lower left front wall and on the upper front wall and the NW wall. The rear wall appears to be in fair to good condition. Concrete render has been used throughout to improve the appearance of the building. The interior condition of the front section is poor with collapsed ceiling and large sections of patched concrete walls. The larger main room is in better condition and is currently used for storage. The building appears in similar condition to 2003.



Photo 17: No 10 - Large house

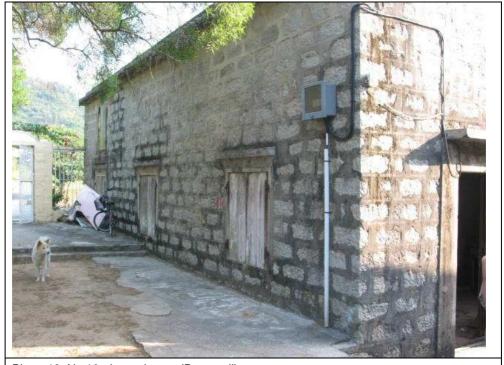


Photo 18: No 10 - Large house (Rear wall)



Photo 19: No 10 - Large house (Interior)



Photo 20: No 10 - Large house (larger main room)

3.4.11 No 11 - Small room

The Small Room is a small single room with flat concrete roof attached to the NW wall of the large watchtower near the main entrance to the compound. Access to the room is via a door from the watchtower. There is a large concrete framed window in the NE wall.

The condition of this building is poor with frequent cracks in the front and side exterior wall. The mortar has been mostly patched with concrete. The interior walls are in fair to poor condition and have been patched with concrete throughout. The building appears in similar condition to 2003.



Photo 21: No 11 - Small room



Photo 22: No 11 - Small room (Interior)

3.4.12 No 12 - Large room

The Large Room is a large square shaped single room of cut granite construction. The structure is set some 1m below the ground surface and pathway on the northern and eastern side. It would have had a low pitched roof, but now completely removed. A front entrance door on the NE side has an iron grill gate and windows lie on either side. There are 2 small slits in the SE wall. A large cut granite block support column remains in the centre of the room. This structure shares a common wall with the large watchtower (structure 5) and the smaller room (structure 11).

The condition of this building is fair with loose mortar but few large cracks. Much of the mortar work has been patched with concrete. The building appears in similar condition to 2003 although a sapling growing within the room has been removed.

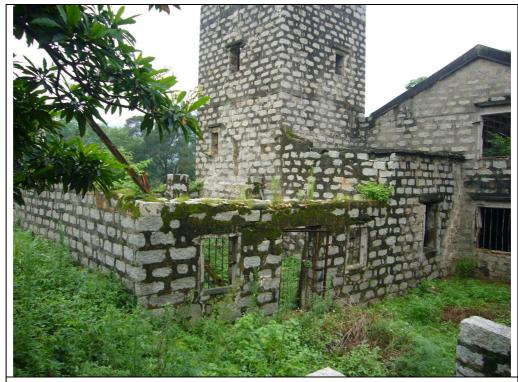


Photo 23: No 12 - Large room

4 Action & Limit Levels and Event & Action Plan

The Action and Limit (A/L) Levels are defined levels of impact recorded by the environmental monitoring activities. They represent levels at which a prescribed response is required. These levels are quantitatively defined in the subsequent sections of this Report in accordance with the EM&A Manual as follows:

Action Level

> The levels beyond which there is an indication of a deteriorating ambient environmental quality. Appropriate remedial actions may be necessary to prevent the environmental quality from going beyond the limit levels, which would be unacceptable.

Limit Level

Statutory and / or agreed contract limits stipulated in relevant pollution control ordinances, Hong Kong Planning Standards and Guidelines (HKPSG), or Environmental Quality Objectives established by EPD. If these are exceeded, works shall not proceed without appropriate remedial action, including a critical review of plant and work methods.

4.1 Noise

The Action Level for noise is based on documented complaints received and Limit Level is the level at a specified limit. The Action and Limit Levels for construction noise are defined in Table 4-1. If non-compliance of the criteria occurs, action should be taken immediately in accordance with the Event/Action Plan as shown in Table 4-2.

Table 4-1: Action and limit levels of construction noise

| Time Period | Action Level | Limit Level |
|--|---|-------------|
| 0700 – 1900 hours on any day not being a Sunday or public holiday | When one documented complaint is received | 75dB(A)* |

^{*} reduce to 70dB(A) for schools and 65 dB(A) during school examination periods

Table 4-2: Event and action plan for airborne construction noise

| F 1 | · | Action | 1 | |
|-----------------|--|---|---|--|
| Event | ET Leader | IEC | ER | Contractor |
| Action Level | Notify IEC and the Contractor. Carry out investigation. Report the results of investigation to the IEC and the Contractor. Discuss with the Contractor and formulate remedial measures. Increase monitoring frequency to check mitigation effectiveness. | 1.Review with the analysed results submitted by ET. 2.Review the proposed remedial measures by the Contractor and advise ER accordingly. 3.Supervise the implementation of remedial measures. | Confirm receipt of notification of exceedance in writing. Notify the Contractor. Require the Contractor to propose remedial measures for the analysed noise problem. Ensure remedial measures are properly implemented. | Submit noise mitigation proposals to IEC. Implement noise mitigation proposals. |
| Limit Level | Notify the IEC, the ER, the DEP and the Contractor. Identify the source. Repeat measurement to confirm findings. Increase monitoring frequency. Carry out analysis of Contractor's working procedures to determine | Discuss amongst the ER, the ET Leader and the Contractor on the potential remedial actions. Review the Contractor's remedial actions whenever necessary to assure their effectiveness and | Confirm receipt of notification of exceedance in writing. Notify the Contractor. Require the Contractor to propose remedial measures for the analysed noise problem. | 1.Take immediate action to avoid further exceedance. 2.Submit proposals for remedial actions to IEC within 3 working days of notification. 3.Implement the |

| Event | | Action | 1 | |
|-------|--|---|---|--|
| Event | ET Leader | IEC | ER | Contractor |
| | possible mitigation to be implemented. 6. Inform the IEC, the ER, and the DEP the causes & actions taken for the exceedances. 7. Assess effectiveness of the Contractor's remedial actions and keep the IEC, the DEP and the ER informed of the results. 8. If exceedance stops, cease additional monitoring | advise the ER accordingly. 3. Supervise the implementation of remedial measures. | 4. Ensure remedial measures are properly implemented. 5. If exceedance continues, consider what activity of the work is responsible and instruct the Contractor to stop that activity of work until the exceedance is abated. | agreed proposals. 4.Resubmit proposals if problem still not under control. 5.Stop the relevant activity of works as determined by the ER until the exceedance is abated. |

4.2 Water Quality

4.2.1 Event/Action Plan for Water Quality

The water quality criteria - the A/L Levels as shown in Table 4-3 have been provided in the EM&A Manual.

Table 4-3: Criteria of action and limit levels for water quality

| Parameters | Action Level | Limit Level |
|------------------------|--|--|
| DO in mg/l | 5%-ile of baseline data | 4mg/l |
| (mid-depth) | | |
| SS in mg/l | 95%-ile of baseline data or 120% of control station's SS on the | 99%-ile of baseline or 130% of control station's SS on the same day |
| (mid-depth) | same day of measurement | of measurement |
| Turbidity (Tby) in NTU | 95%-ile of baseline data or 120% of control station's turbidity on | 99%-ile of baseline or 130% of control station's turbidity on the same |
| (mid-depth) | the same day of measurement | day of measurement |
| | | |

Remarks:

For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.

For SS and turbidity, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.

Based on the baseline water quality monitoring data obtained, the A/L levels are shown in **Table 4-4**. If the water quality monitoring results at any impact stations exceeded the criteria, the actions in accordance with the Event and Action Plan in **Table 4-5** should be taken.

Table 4-4: Action and limit levels of water quality

| | | | ı | Monitoring | glocations | 3 | | |
|------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|
| Parameters | M | 11 | M | 12 | M | 3 | M | 14 |
| | Action Level | Limit Level | Action Level | Limit Level | Action Level | Limit Level | Action Level | Limit Level |
| DO (mg/L) | 5.7 | 4 | 6.2 | 4 | 5.9 | 4 | 5.9 | 4 |

| | | | ı | Monitoring | glocations | 3 | | |
|------------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|
| Parameters | M | 11 | IV | 12 | IV | 13 | N | 14 |
| | Action Level | Limit Level | Action Level | Limit Level | Action Level | Limit Level | Action Level | Limit Level |
| SS (mg/L) [1, 2] | 12.2 | 12.8 | 3.1 | 4.2 | 12.4 | 17.7 | 13.9 | 15.2 |
| Tby (NTU) [1, 2] | 15.2 | 16.9 | 5.3 | 6.5 | 16.8 | 26.0 | 16.2 | 18.0 |

Note:

- 1. The Action Levels can be 95%-ile of baseline data as mentioned above or 120% of upstream control station at the same tide of the same day according to the EM&A Manual
- 2. The Limit Levels can be 99%-ile of baseline data as mentioned above or 130% of upstream control station at the same tide of the same day according to the EM&A Manual

Table 4-5: Event/Action plan for water quality

| Event | | | Action | |
|---|--|--|---|--|
| | ET Leader | IEC | ER | Contractor |
| Action Level | | | | |
| Action level being exceeded by one sampling day | Repeat in-situ measurement to confirm findings. Identify source(s) of impact. Inform the IEC and the Contractor. Check monitoring data, all plant, equipment and the Contractor's working methods. Discuss mitigation measures with the IEC and the Contractor. Repeat measurement on next day of exceedance. | Discuss with the ET Leader and the Contractor on the mitigation measures. Review proposals on mitigation measures submitted by the Contractor and advised the ER accordingly. Assess the effectiveness of the implemented mitigation measures. | Discuss with the IEC on the proposed mitigation measures. Make agreement on the mitigation measures to be implemented. Assess the effectiveness of the implemented mitigation measures. | Inform the ER and confirm notification of the non-compliance in writing. Rectify unacceptable practice. Check all plants and equipment. Consider changes of working methods. Discuss with the ET Leader and the IEC and propose mitigation measures to the IEC and the ER. Implement the agreed mitigation measures. |
| Action level being exceeded by more than one consecutive days | Repeat in-situ measurement to confirm findings. Identify source(s) of impact. Inform the IEC and the Contractor. Check monitoring data, all plant, equipment and the Contractor's working methods. Discuss mitigation measures with the IEC and the Contractor. Ensure mitigation measures are implemented. Prepare to increase the monitoring frequency to daily. Repeat measurement on next day of exceedance. | Discuss with the ET Leader and the Contractor on the mitigation measures. Review proposals on mitigation measures submitted by the Contractor and advised the ER accordingly. Assess the effectiveness of the implemented mitigation measures. | Discuss with IEC on the proposed mitigation measures. Make agreement on the mitigation measures to be implemented. Assess the effectiveness of the implemented mitigation measures. | Inform the ER and confirm notification of the non-compliance in writing. Rectify unacceptable practice. Check all plants and equipment. Consider changes of working methods. Discuss with the ET Leader and the IEC and propose mitigation measures to the IEC and the ER within 3 working days. Implement the agreed mitigation measures. |
| Limit Level | | | | |
| Limit level being exceeded by one sampling day | Repeat in-situ measurement to confirm findings. Identify source(s) of impact. Inform the IEC, the Contractor and the DEP. Check monitoring data, all plant, equipment and the Contractor's working methods. Discuss mitigation measures with the IEC, the ER and the Contractor. Ensure mitigation measures are implemented. Increase the monitoring frequency to daily until no exceedance of the Limit Level. | Discuss with the ET Leader and the Contractor on the mitigation measures. Review proposals on mitigation measures submitted by the Contractor and advised the ER accordingly. Assess the effectiveness of the implemented mitigation measures. | Discuss with IEC, the ET Leader and the Contractor on the proposed mitigation measures. Request the Contractor to critically review the working methods. Make agreement on the mitigation measures to be implemented. Assess the effectiveness of the implemented mitigation measures. | Inform the ER and confirm notification of the non-compliance in writing. Rectify unacceptable practice. Check all plants and equipment. Consider changes of working methods. Discuss with the ET Leader, the IEC and the ER, and propose mitigation measures to the IEC and the ER within 3 working days. Implement the agreed mitigation measures. |
| Limit level being exceeded by more than one consecutive days | Repeat in-situ measurement to confirm findings. Identify source(s) of impact. Inform the IEC, the Contractor and the DEP. Check monitoring data, all plant, equipment and the Contractor's working methods. Discuss mitigation measures with the IEC, the ER and the Contractor. Ensure mitigation measures are implemented. Increase the monitoring frequency to daily until no exceedance of the Limit Level for two consecutive days. | Discuss with the ET Leader and the Contractor on the mitigation measures. Review proposals on mitigation measures submitted by the Contractor and advised the ER accordingly. Assess the effectiveness of the implemented mitigation measures. | Discuss with IEC, the ET Leader and the Contractor on the proposed mitigation measures. Request the Contractor to critically review the working methods. Make agreement on the mitigation measures to be implemented. Assess the effectiveness of the implemented mitigation measures. Consider and instruct, if necessary, the Contractor to slow down or to stop all or part of the marine work until no exceedance of Limit Level. | Inform the ER and confirm notification of the non-compliance in writing. Rectify unacceptable practice. Check all plants and equipment. Consider changes of working methods. Discuss with the ET Leader, the IEC and the ER, and propose mitigation measures to the IEC and the ER within 3 working days. Implement the agreed mitigation measures. As directed by the ER, slow down or stop all or part of the construction activities. |

4.3 Ecology

4.3.1 Event/Action Plan for Ecology

If disturbance to the breeding White-shouldered Starlings is identified during construction phase, action should be taken immediately in accordance with the Event/Action Plan as recommended in the EM&A manual (Table 4-6)

Table 4-6 Monitoring of White-shouldered Starlings: Event and Action Plan

| Event | Act | tion |
|--|--|--|
| | ET Leader | Contractor |
| Identification of disturbance to breeding White-shouldered | Increase frequency of monitoring to twice weekly | Check all construction actions and working methods |
| Starlings | 2. Notify ER | Submit proposals for remedial action to prevent abandonment of the breeding site |
| | 3.Review construction activities of previous week | 3. Implement remedial action |
| | Identify any changes in construction activities in previous week | Liaise with ET and IEC regarding effectiveness of remedial actions. |
| | 5. Discuss remedial actions with ER | |

4.4 Cultural Heritage

In the event of any observed construction phase impacts or damage on the heritage resources within the Yuen Compound, construction shall cease and owner of the compound and the AMO should be notified immediately. Remedial actions should be proposed by ET and the contractor for agreement with the owner, the ER and IEC, and comment from AMO should also be sought.

5 Conclusions

Baseline monitoring was carried out within the period 20 August 2007 to 19 October 2007, which included noise monitoring, water quality monitoring, ecological baseline survey and cultural heritage baseline survey. Action and Limit Levels for each location were derived based on the baseline monitoring results.

It can be concluded that the baseline monitoring results are representative of the preconstruction period.

6 References

Chan, K.F., Cheung, K.S., Ho, C.Y., Lam F.N. and Tang, W.S. 2005. *A Field Guide to the Amphibians of Hong Kong*. Agriculture, Fisheries & Conservation Department, Government of Hong Kong Special Administrative Region.

Karsen, S.J., Lau, M.W.N. and Bogadek, A. 1998. *Hong Kong Amphibians and Reptiles*. Second Edition. Provisional Urban Council, Hong Kong.

Lee, V.L.F., S.K.S. Lam, F.K.Y. Ng, T.K.T. Chan, and M. L.C. Young. 2004. *Field Guide to the Freshwater Fish of Hong Kong.* AFCD.

Metcalf & Eddy Ltd. 2005. Agreement No. CE 49/2002(DS) Drainage Improvement in Southern Lantau Investigation – Final Environmental Monitoring and Audit Manual. Drainage Services Department, Hong Kong Special Administrative Region.

New, T.R. 1998. Invertebrate Surveys for Conservation. Oxford University Press, Oxford.

Sharrock, J.T.R. 1976. The Atlas of Breeding Birds in Britain and Ireland. Poyser, Berkhamstead.

Wilson, K.D.P. 2004. *Field Guide to the Dragonflies of Hong Kong*. Agriculture, Fisheries and Conservation Department, Hong Kong.

Viney, C., Phillipps, K. and Lam, C.Y. 2005. *Birds of Hong Kong and South China*. Government Printer, Hong Kong.

Appendix 1

Calibration certificates for the noise monitoring equipment

Arup**Acoustics**



Level 5 Festival Walk 80 Tat Chee Avenue Kowloon Tong, Kowloon HONG KONG

AAc Certificate No. 2007005

Fax: +852 2268 3950

Tel: +852 2268 3216

CERTIFICATE OF CONFORMITY

Type No Description of Test Instrument Brüel & Kjær Sound Level Meter Kit

Serial No 2320696

Brüel & Kjær 1/2 " Microphone Kit

2238 4188

2274286

Date of Test:

01 September 2007

Carried out by: Raymond Liu

Approved by:

William Ng

Signature: -faymand

Signature:

Who Me

Ambient Conditions During Test

Atmospheric Pressure:

1KPa

Air Temperature: Relative Humidity: 21°C 58%

This document is to certify that the above Test Instrumentation did conform to the manufacturer's original specification on the date of the test. Any adjustments that were required to bring the instrumentation back into specification are duly noted in this document. The tests were carried out using the reference calibrator described below.

Description of Reference Calibrator

Certificate of Calibration Serial No.

Type No

Serial No

Brüel & Kjær Multi Frequency Calibrator

4226 UA0915 1531372 1531372

Brüel & Kiær Coupler

By Brüel & Kjær (UK) Ltd Calibration Date:

15784 01 February 2007

NAMAS Accredited Calibration Laboratory No.

0174

The reference calibrator, Type 4226, has traceable calibration back to National Measurement Standards. As such it is used as Arup Acoustics own 'Primary Standard' and is used only for controlled laboratory calibration tests on all sound measuring equipment owned by Arup Acoustics.

Footnote:

Arup Acoustics is not a registered NAMAS accredited calibration laboratory. This certificate is for internal use only (unless otherwise authorised) and is part of Arup Acoustics development and commitment to QC and QA procedures.

ArupAcoustics

ARUP

Level 5 Festival Walk 80 Tat Chee Avenue Kowloon Tong, Kowloon HONG KONG

AAc Certificate No. 2007006

Fax: +852 2268 3950

Tel: +852 2268 3216

CERTIFICATE OF CONFORMITY

Description of Test Instrument

Brüel & Kjær 1/2 " Microphone Kit

Brüel & Kjær Sound Level Meter Kit

2238 4188

Type No

Serial No

2320707 2179479

Date of Test:

01 September 2007

Carried out by: Raymond Liu

Approved by:

William No.

Signature: Kaymond

Signature:

WH NP

Ambient Conditions During Test

Atmospheric Pressure:

Air Temperature:

1KPa 21°C

Relative Humidity:

58%

This document is to certify that the above Test Instrumentation did conform to the manufacturer's original specification on the date of the test. Any adjustments that were required to bring the instrumentation back into specification are duly noted in this document. The tests were carried out using the reference calibrator described below.

Description of Reference Calibrator

Type No

Serial No

Brüel & Kjær Multi Frequency Calibrator

Brüel & Kiær Coupler

4226 UA0915 1531372 1531372

Certificate of Calibration Serial No.

By Brüel & Kjær (UK) Ltd Calibration Date:

15784

NAMAS Accredited Calibration Laboratory No.

01 February 2007

0174

The reference calibrator, Type 4226, has traceable calibration back to National Measurement Standards. As such it is used as Arup Acoustics own 'Primary Standard' and is used only for controlled laboratory calibration tests on all sound measuring equipment owned by Arup Acoustics.

Footnote:

Arup Acoustics is not a registered NAMAS accredited calibration laboratory. This certificate is for internal use only (unless otherwise authorised) and is part of Arup Acoustics development and commitment to QC and QA procedures.

Appendix 2

Baseline environmental monitoring schedule

Drainage Improvement in Southern Lantau Baseline Monitoring Schedule

| se monitoring | 22 23 24 25 W T F S | 20 21 22 23 24 25 26 27 28 29 30 31 | 311 1 2 3 4 | 4 | | | | | ĺ | | | | ŀ | 7 |
|--|------------------------|-------------------------------------|--|-----|----------------------------|-------------|----------|-------------|--------------------------------|-----------|------------|-------------|----------------|---------|
| - | - | - /4/ H | 100 | 0 0 | 9 40 41 12 13 S M T W T | 14 15 16 17 | 20 21 22 | 23 24 25 26 | 27 28 29 30 1 T E E E E E M | 2 3 4 5 6 | 6 7 8 9 10 | 11 12 13 14 | 15 16 17 18 19 | 20 |
| ise monitoring | | 2 | - ≥ | - | 101 | 2 | L | AA IA | 0 | | - ≥ | 0 | - AA | |
| | | | | | | 1004 | | | | | | | | |
| | | | | | | | | | | | | | | 20.5 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | 101-127 |
| Water quality monitoring | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| Ecological monitoring | | | | | | | | | | | | | | |
| Water quality & sediment characteristic for ecology | | | ************************************** | | | | | | | | | | | |
| | | | | | | | | | | | - | | | |
| Cultural heritage | | | | | | | | | | | | | | |
| | | - | | | | | | | | | | | | |

Appendix 3

Calibration certificates for the water quality monitoring equipment

HK0712311 Batch: Date of Issue: Client:

03/09/2007 OVE ARUP & PARTNERS HONG KONG LTD DRAINAGE IMPROVEMENT IN SOUTHERN LANTAU

Calibration of pH System

Client Reference:

pH Meter

Item:

Mettler - Toledo SG2 Model No.:

1227175012 Serial No.:

X X Equipment No.: This meter was calibrated in accordance with standard method APHA (19th Ed.) 4500-H*B Calibration Method:

27 August, 2007 Date of Calibration:

Testing Results:

| Expected Reading | Recording Reading |
|--------------------|-------------------|
| | |
| 4.00 | 3.98 |
| 7.00 | 7.04 |
| 10.0 | 10.0 |
| | |
| Allowing Deviation | +0.2 |

Laboratory Manager - Hong Kong Ms Wong Wa Mah, Alice

ALS ETCIONDENTAL

ALS Technichem (HK) Pty Ltd

HK0712312 03/09/2007 OVE ARUP & PARTNERS HONG KONG LTD

Batch: Date of Issue: Client: Client Reference:

Calibration of Tubidimeter

HACH Turbidimeter

Item:

Model No.:

HACH 2100P

Serial No.:

011100024331

Equipment No.:

HK144

This meter was calibrated in accordance with standard method APHA (19th Ed.) 2130B Calibration Method:

Date of Calibration:

14 August, 2007

Testing Results:

| Expected Reading | Recording Reading |
|--------------------|-------------------|
| | |
| 0.0 NTU | 0.0 NTU |
| 4.0 NTU | 4.4 NTU |
| 16.0 NTU | 16.3 NTU |
| 40.0 NTU | 40.4 NTU |
| 80.0 NTU | 79.5 NTU |
| Allowing Deviation | |

Ms Wong Wai Man, Alice Laboratory Manager - Hong Kong



HK0712313

03/09/2007 OVE ARUP & PARTNERS HONG KONG LTD DRAINAGE IMPROVEMENT IN SOUTHERN LANTAU

Calibration of DO System

Client: Client Reference:

Date of Issue:

Batch:

YSI Multimeter ltem:

Model No.:

98A0725AB YSI 85 Serial No.:

HK603217 Equipment No.:

This meter was calibrated in accordance with standard method APHA (18th Ed.) 4500-0C & G Calibration Method:

28 August, 2007 Date of Calibration:

Testing Results:

| Expected Reading | Recording Reading |
|------------------------|------------------------|
| 4.66 mg/L 7.66 mg/L | 4.78 mg/L 7.84 mg/L |
| Allowing Deviation | /pm < 0+ |

Laboratory Manager - Hong Kong Ms Wong Wai Man, Alice



HK0712313

03/09/2007 OVE ARUP & PARTNERS HONG KONG LTD DRAINAGE IMPROVEMENT IN SOUTHERN LANTAU

Calibration of Salinity System

Client Reference:

Date of Issue:

Batch:

Client:

YSI Multimeter Item:

YSI 85 Model No.:

98A0725AB Serial No.:

HK603217 Equipment No.: This meter was calibrated in accordance with standard method APHA (19th Ed.) 2520 A and B Calibration Method:

Date of Calibration:

28 August, 2007

Testing Results:

| Expected Reading | Recording Reading |
|--------------------|-------------------|
| | |
| 10.0 g/L | 10.9 g/L |
| 20.0 g/L | 21.3 g/L |
| 30.0 g/L | 32.4 g/L |
| 40.0 g/L | 43.8 g/L |
| Allowing Deviation | ±10% |

Laboratory Manager - Hong Kong Ms Wong/Wai/Wan, Alice



HK0712313

03/09/2007 OVE ARUP & PARTNERS HONG KONG LTD DRAINAGE IMPROVEMENT IN SOUTHERN LANTAU

Calibration of Thermometer

Client Reference:

Date of Issue:

Client:

YSI Multimeter Item:

YSI 85 Model No.:

Serial No.:

98A0725AB

Equipment No.:

HK603217

In-house Method Calibration Method:

Date of Calibration:

28 August, 2007

Testing Results:

| -, |
|----|
| |
| |

Laboratory Manager/- Hong Kong Ms Wong Wai Man, Alice

Appendix 4

Detailed baseline noise monitoring results

<u>Location: N1 - No. 73, Village House, Ling Tsui Tau Tsuen</u>
<u>Daytime (0700-1900) for normal day Baseline Noise Monitoring Results</u>

| | | | | | | Leq, (30m | dn) | | | | | |
|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|--------------|--------------|-------------|
| Time | 10-Sep-07 | 11-Sep-07 | 12-Sep-07 | 13-Sep-07 | 14-Sep-07 | 15-Sep-07 | 17-Sep-07 | 18-Sep-07 | 19-Sep-07 | 20-Sep-07 | 21-Sep-07 | 22-Sep |
| 7:00 | 46.9 | 44.9 | 48.7 | 47.0 | 40.0 | 41.2 | 47,1 | 46.7 | 39.3 | 42.5 | 40.8 | 4 |
| 7:30 | 45.8 | 44.6 | 48.3 | 47.0 | 43.6 | 44.7 | 47.5 | 45,8 | 42.4 | 45.4 | 41.3 | 4 |
| 8:00 | 47.7 | 47.9 | 45.4 | 46.5 | 40.3 | 43.6 | 51.4 | 46.2 | 41.6 | 41.6 | 41.3 | 4 |
| 8:30 | 47.1 | 54.3 | 44.9 | 47,3 | 40.5 | 41.3 | 52.2 | 45.7 | 44.2 | 43.7 | 42.8 | 4 |
| 9:00 | 47.5 | 48.8 | 47.9 | 46.9 | 41.3 | 47.5 | 51.9 | 44.2 | 45.6 | 46.7 | 44.4 | - 4 |
| 9:30 | 51.4 | 45.9 | 48.8 | 47.1 | 41,5 | [1] | 55.2 | 47.1 | 48.4 | 40.4 | 49.4 | 4 |
| 10:00 | 52.2 | 45.8 | 50.3 | 47.6 | 41.7 | 46.7 | 49.8 | 46.D | 40.7 | 38.1 | 45.9 | 4 |
| 10:30 | 51,9 | 45,3 | 49.8 | 45.6 | 41.0 | 47.2 | 45.3 | 47.0 | 44.0 | 42.4 | 45.2 | 4 |
| 11:00 | 55.2 | 44.9 | 52.4 | 47.7 | 39.2 | 44.1 | 48.7 | 47.4 | 43.2 | 49.9 | 45.4 | 4 |
| 11:30 | 49.8 | 46.5 | 52.3 | 49.1 | 42.5 | 43.2 | 48.9 | 48.5 | 41.3 | 53.7 | 43.4 | |
| 12:00 | 45.3 | 44.5 | 44.7 | 45.8 | 40.6 | 40.0 | 46.0 | 49.6 | 45.1 | 53.1 | 43.0 | 4 |
| 12:30 | 48.7 | 44.6 | 45.2 | 46.2 | 45.8 | 42.6 | 45.7 | 53.1 | 41.8 | 51.8 | 40.3 | |
| 13:00 | 48.9 | 43.7 | 44.8 | 45.9 | 53.9 | 45.4 | 45.4 | 46.4 | 44.3 | 55.2 | 42.2 | 4 |
| 13:30 | 46.0 | 45.0 | 45.2 | 44.9 | 53.2 | 44.8 | 45.8 | 45.1 | 47.5 | 53.5 | 44.2 | 4 |
| 14:00 | 45.7 | 44.4 | 49.7 | 44.8 | 42.4 | 45.9 | 46.4 | [2] | 43.5 | 52.9 | 50.4 | 4 |
| 14:30 | 45.4 | 44.2 | 44.6 | 44.0 | 43.2 | 45.6 | [1] | [2] | 111 | 54.7 | | 4 |
| 15:00 | 45.8 | 44.3 | 46.7 | 43.6 | 41.3 | 44.7 | 45.2 | [2] | 42.0 | | 4B.7 | 4: |
| 15:30 | 46.4 | [1] | (1) | 49.2 | 41.8 | 41.2 | 44.8 | [2] | 39.9 | [1] | 44.9 | |
| 16:00 | 46,1 | 45.4 | 44.3 | 44.0 | 39.3 | 43.5 | 37.9 | 45.0 | 44.2 | 42.2 | [1] | |
| 16:30 | 47.5 | 46.5 | 45.5 | 42,4 | [1] | 40.0 | 38.8 | 42.3 | 40.5 | | 43.6 | 4 |
| 17:00 | 44.8 | 47.7 | 44.9 | 39.7 | 43.6 | 41.5 | 40,1 | 44.6 | 42.1 | 41.7 | 45.8 | 39 |
| 17:30 | 45.3 | 47.2 | 43,2 | 39.2 | 42.1 | 42.2 | 40.5 | 41.1 | 45.2 | 39.6 39.0 | 44.3 | 4 |
| 18:00 | 45.8 | 47.0 | 44.4 | 39,6 | 40.5 | 42.7 | 40.5 | 42,0 | 38.8 | | 43.9 | 42 |
| 18:30 | 46.9 | 46,9 | 48.0 | 47.1 | 47.7 | 47.1 | 47.5 | 40.7 | 44.9 | 41.0 | 44.6 | 44 |
| Average | 47.7 | 46.1 | 46,9 | 45.3 | 42.9 | 43.8 | 46.2 | 45.7 | | 40.3 | 47.4 | 41 |
| Max | 55.2 | 54.3 | 52.4 | 49.2 | 53.9 | 47.5 | 55.2 | 53,1 | 43.1 | 46.0 | 44.5 | 45 |
| Min | 44.8 | 43.7 | 43.2 | 39.2 | 39.2 | 40.0 | 37.9 | 40.7 | 48.4 38.8 | 55.2 38.1 | 50.4 40.3 | 49 |

Note:
[1] Noise measurements were paused for data downloading and replacement of batteries. The noise levels were not reported
[2] Data were lost due to equipment failure

| | | | | | | Leq. (5mi | in) | | | | | |
|----------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------|--------------|--------------|--------------|--------------|--------------|
| Time | 10-Sep-07 | 11-Sep-07 | 12-Sep-07 | 13-Sep-07 | 14-Sep-07 | 15-Sep-07 | 17-Sep-07 | 18-Sep-07 | 19-Sep-07 | 20-Sep-07 | 21-Sep-07 | 22-Sep-0 |
| 19:00 | 50.9 | 52.5 | 52.1 | 49.7 | 54.7 | 51.6. | 52.5 | 43.5 | 48.4 | 41.6 | 51.8 | 45.2 |
| 19:05 | 51.4 | 44.7 | 51,2 | 56.8 | 55.5 | 52.7 | 53.5 | 45.8 | 48.1 | 42.0 | 51.6. | 43.7 |
| 19:10 | 54.3 | 43.5 | 51,8 | 53.0 | 55.8 | 54.0 | 54.6 | 45,3 | 48.0 | 41.4 | 52.3 | 42,8 |
| 19:15 | 51.0 | 44.6 | 52.6 | 49.6 | 55.8 | 53.9 | 54.4 | 45.5 | 46.8 | 41.4 | 51.1 | 42.2 |
| 19:20 | 55.5 | 45.6 | 53.3 | 54.9 | 59.5 | 53.5 | 53.3 | 45.9 | 47.5 | 49.6 | 53.2 | 41.5 |
| 19:25 | 53,3 | 48.2 | 53.1 | 52.0 | 60,1 | 52.8 | 53.4 | 44.4 | 47.0 | 41.9 | 54.1 | 47.1 |
| 19:30 | 49.7 | 48.8 | 53.2 | 54.4 | 60.0 | 51.9 | 53,6 | 42.7 | 48.2 | 41.2 | 53.9 | 41.2 |
| 19:35 | 55.5 | 47.6 | 55,1 | 53.1 | 59.9 | 52.2 | 53.1 | 46.0 | 45.4 | 42.6 | 52.6 | 41.9 |
| 19:40 | 55.9 | 48,6 | 54.9 | 50.4 | 59.5 | 51.5 | 53.0 | 42.3 | 48.5 | 50.0 | 51.1 | 41.7 |
| 19:45 | 54.8 | 48.4 | 54.4 | 48.7 | 58.9 | 50.5 | 52.8 | 42.5 | 48.6 | 42.6 | 53.4 | 45.2 |
| 19:50 | 45.1 | 50.0 | 52.2 | 50.1 | 58,7 | 50,4 | 53.1 | 43.3 | 46.6 | 43,3 | 51.2 | 41.6 |
| 19:55 | 49.2 | 49.6 | 53.8 | 52.5 | 54.7 | 49.9 | 51.9 | 43,4 | 48.1 | 46.7 | 53,2 | 41.6 |
| 20:00 | 52.4 | 45,3 | 52.1 | 52.5 | 57.3 | 50.0 | 49.1 | 46.1 | 49.2 | 45.4 | 52.2 | 42.0 |
| 20:05 | 57.0 | 49.6 | 51.5 | 52.5 | 54.2 | 49,9 | 47.6 | 43.8 | 48.6 | 44.0 | 51.3 | 42.4 |
| 20:10 | 55,7 | 51,3 | 53.4 | 52.9 | 55.5 | 51.6 | 51.7 | 41.0 | 48.3 | 44.8 | 53.5 | 42.0 |
| 20:15 | 55.8 | 48.2 | 54.5 | 53.1 | 55,8 | 51.3 | 47.7 | 41.2 | 49.0 | 43.2 | 53.5 | 43.6 |
| 20:20 | 56.0 | 47.9 | 55.4 | 56.0 | 56.4 | 51.9 | 46,5 | 42.5 | 46.4 | 43,4 | 55.2 | 42.4 |
| 20:25 | 57.1 | 47.8 | 54.8 | 62,3 | 56.8 | 52,3 | 46.2 | 46.2 | 41.3 | 53.8 | 54.7 | 50.1 |
| 20:30 | 57.5 | 49.0 | 55.2 | 62.5 | 56,4 | 52.0 | 45.9 | 41.3 | 38.7 | 43.1 | 55,3 | 42.0 |
| 20:35 | 57.7 | 51,5 | 54.9 | 63.4 | 51.9 | 52.0 | 42.6 | 41.7 | 45.6 | 42.4 | 54.1 | 42.9 |
| 20:40 | 56,6 | 50.2 | 55.4 | 63.6 | 49.9 | 52.2 | 46.4 | 41.1 | 39.7 | 43.3 | 53.7 | 42.6 |
| 20:45 | 56,8 | 51,1 | 55.4 | 62.6 | 46,3 | 52,8 | 45.2 | 44.7 | 43,9 | 43.4 | 52.1 | 42.2 |
| 20;50 20;55 | 50.9 | 51.7 | 55,2 | 62.8 | 48.9 | 51.6 | 44.0 | 45.2 | 42.6 | 42.3 | 52.2 | 42.7 |
| 21:00 | 48.0 | 48.1 | 54.7 | 62.7 | 49.3 | 50.8 | 45.2 | 44.4 | 43.1 | 45.2 | 53.2 | 41.7 |
| 21:05 | 45.5 45.3 | 47.5 | 53,1 | 62.4 | 50.3 | 50.8 | 43.5 | 45.7 | 43.8 | 45.8 | 53.2 | 42.6 |
| 21:10 | 45.3 | 51.9 | 52.2 | 55.4 | 51.7 | 50.6: | 43.3 | 41.8 | 41.2 | 44.0 | 55.3 | 42.6 |
| 21:15 | 46.1 | 52.8 | 53.2 | 54.4 | 51.0 | 49.4 | 41.5 | 41.5 | 39,9 | 44.6 | 55.2 | 42.1 |
| 21:20 | 45.3 | 49.5 48.6 | 53.2 | 55.7 | 51.3 | 49.3 | 41.1 | 45.6 | 39,5 | 44.1 | 55.1 | 41.4 |
| 21:25 | 45.9 | 50.3 | 55.0 | 56.9 | 51.8 | 48.6 | 42.3 | 42.3 | 41.3 | 41.1 | 54.4 | 41.0 |
| 21:30 | 46.2 | 50,3 | 55.1 | 56.9 | 51.6 | 48.6 | 42.1 | 42.7 | 43.1 | 43.8 | 55.4 | 41.2 |
| 21:35 | 46.4 | 49,8 | 55.1 | 54.9 | 51.8 | 47.2 | 42.7 | 44.0 | 43,6 | 41.7 | 54.2 | 53,4 |
| 21:40 | 47.2 | 49,3 | 54.1 49.5 | 54.8 | 52.5 | 49.1 | 43.2 | 51.9 | 43.4 | 40.0 | 54.1 | 41.0 |
| 21:45 | 47.7 | 48.6 | 49.5 | 54.7 | 52,6 | 49.3 | 41.9 | 42.4 | 44.0 | 41.7 | 49.5 | 41.4 |
| 21:50 | 45.9 | 46,3 | 51.7 | 54.4 55.4 | 53.2 | 49.3 | 41.9 | 42.5 | 43.1 | 39.4 | 47.2 | 41.1 |
| 21:55 | 45.3 | 48.1 | 52.9 | | 53.4 | 49.2 | 41.8 | 42.6 | 43.0 | 41.7 | 51.7 | 41.4 |
| 22:00 | 45.3 | 47.7 | 51.4 | 54.4 54.5 | 54.1 | 49.2 | 42.1 | 41.2 | 41.1 | 41,2 | 51.9 | 41.6 |
| 22:05 | 44.4 | 51.0 | 51.4 | 55.0 | 53.6 53.7 | 49.5 | 44.5 | 41.6 | 41.5 | 41.6 | 50.4 | 40.9 |
| 22:10 | 45.8 | 52.4 | 51.5 | 54.9 | 53.2 | 49.8 49.5 | 43.1 | 41.8 | 40.4 | 41.0 | 50,3 | 41.1 |
| 22:15 | 45.0 | 49.5 | 50.8 | 55.0 | 54.0 | | 42.2 | 43.4 | 41.1 | 40,5 | 51.1 | 41.0 |
| 22:20 | 46.2 | 49.8 | 50.1 | 54.5 | 53.0 | 45.7 | 42.6 | 44.8 | 41.2 | 42.2 | 51.1 | 41.4 |
| 22:25 | 46,4 | 50.1 | 51.5 | 54.6 | 52.3 | 46.2 47.2 | 43.2 | 44.7 | 42.0 | 41.0 | 51.3 | 40.6 |
| 22:30 | 46.7 | 49.3 | 51.8 | 53.9 | 40.5 | 46.2 | 42.8 | 43.0 | 41.1 | 40.5 | 50.2 | 40,1 |
| 22:35 | 46,3 | 48.8 | 48.7 | 55.1 | 45.3 | 45,8 | 42.1 | 42.5 | 42,1 | 40.6 | 49.1 | 40.1 |
| 22:40 | 46.7 | 46.8 | 48.3 | 55.1 | 45.9 | 45.4 | 41,1 | 43.5 | 40 | 38.3 | 48.7 | 40.5 |
| 22:45 | 46.2 | 45.8 | 47.7 | 54.7 | 42.5 | 45.5 | 42.1 | 42.8 42.7 | 39.4 39.9 | 39 | 48.3 | 39.9 |
| 22:50 | 45.8 | 48.6 | 47.2 | 54.5 | 56.7 | 45.6 | 40.7 | 42.7 | 39,9 | 38.6 39.3 | 48.7 | 40.8 |
| 22:55 | 45.3 | 47.7 | 47.2 | 52,6 | 56.2 | 46.4 | 40.7 | 38.6 | 38.6 | 42.5 | 45.6 | 38,3 |
| Average | 49.8 | 48.8 | 52,5 | 55.4 | 53.4 | 49.9 | 46.1 | 43.4 | 43.8 | 42.8 | 46.5 | 37.7 |
| | | | | | | | | | | | | |
| Max | 57.7 | 52.8 | 55.4 | 63.6 | 60.1 | 54.0 | 54.6 | 51.9 | 49.2 | 53.8 | 52,1 55,4 | 42.2 53.4 |

| 0:00 | | | | 13-Sep-07 | 14-Sep-07 | 15-Sep-07 | 17-Sep-07 | 18-Sep-07 | 19-Sep-07 | 20-Sep-07 | 21-Sep-07 | 22- |
|--------------|--------------|--------------|--------------|--------------|--------------|------------------|--------------|--------------|--------------|--------------|--------------|---------------|
| | 47.0 | 48.0 | 56.9 | 48.8 | 49.1 | 42.8 | 51,8 | 42.1 | 40.8 | 38,4 | 41.6 | |
| 0:05 | 51.1 | 46.3 | 54.8 | 49.3 | 49.6 | 41.9 | 51.5 | 41.5 | 40.4 | 41.7 | 41.9 | |
| 0:10 0:15 | 51.4 | 45,7 | 52.1 | 50.0 | 49.2 | 42.6 | 51.6 | 42.7 | 44,1 | 39.2 | 38,6 | |
| 0:10 | 54.3 52.8 | 46.3 | 49.3 | 49.8 | 50.5 | 43.5 | 46.7 | 40.8 | 43.6 | 42,3 | 38.4 | |
| 0:25 | 50.3 | 46.6 45.1 | 51.4 53.4 | 48,3 | 47.5 | 41.7 | 43.8 | 41.6 | 43.0 | 41.7 | 39.1 | <u> </u> |
| 0:30 | 47.7 | 46.4 | 44.9 | 50.6 | 41.4 | 42.1 | 42.1 | 41.6 | 43.0 | 43.3 | 42.4 | |
| 0:35 | 47.7 | 48.5 | 43.9 | 49.1 48.4 | 40.1 42.8 | 42.4 | 50.0 | 40.2 | 43.7 | 37.8 | 39.4 | |
| 0:40 | 49.4 | 48.6 | 41.8 | 47.7 | 49.3 | 41,9 45,4 | 43.8 | 41.6 | 42.8 | 42.3 | 38,6 | |
| 0:45 | 49.7 | 47.7 | 41.9 | 50.2 | 51.7 | 47.4 | 43.3 | 42.0 | 39.2 | 42,0 | 38.3 | <u> </u> |
| 0:50 | 45.7 | 46,5 | 44.0 | 50.3 | 54.2 | 48.0 | 41.5 | 42.4 | 48.3 | 40,4 | 37.9 | |
| 0:55 | 45.0 | 47.2 | 51.5 | 51.0 | 54.5 | 44.9 | 41.5 46,9 | 42.0 | 40.4 | 40.9 | 39,2 | <u> </u> |
| 1:00 | 49.8 | 44.0 | 55.4 | 50.1 | 55.1 | 48.7 | 47.6 | 41.6 43.2 | 42.4 42.6 | 41,0 | 38.0 | |
| 1:05 | <u>51</u> .6 | 44.1 | 55.8 | 47.9 | 55.0 | 50.3 | 47.7 | 43.2 | 43.5 | 38,3 38,4 | 39.6 | <u> </u> |
| 1:10 | 52.1 | 46.1 | 53.5 | 48.8 | 50.7 | 50,1 | 47.9 | 43.4 | 44.1 | 40.4 | 38.8 40.7 | |
| 1:15 | 52.2 | 44.7 | 49.7 | 48,3 | 54.2 | 49.1 | 47.7 | (1) | 42.2 | 38.6 | 40.7 | |
| 1:20 | 51.9 | 45.8 | 46.3 | 49.0 | 57.5 | 50.0 | 46.2 | 47.2 | 43.0 | 39.5 | 41.0 | |
| 1:25 | 52.2 | 45.1 | 42,3 | 50,6 | 56.0 | 51.5 | 45.1 | 46.5 | 45.5 | 39.4 | 40.8 | $\overline{}$ |
| 1:30 1:35 | 51.8 51.5 | 45,3 46.8 | 42.7 | 50.1 | 56,9 | 49.4 | 46.9 | 45.7 | 44.6 | 38.6 | 40.2 | _ |
| 1:40 | 51.6 | 48.1 | 46.4 | 49.1 | 52.5 | 50.3 | 46.0 | 44.4 | 45.5 | 3B,4 | 40.4 | |
| 1:45 | 46.7 | 49.2 | 51.8 | 49.6 49.5 | 53,0 58,1 | 50,4 44,9 | 46.0 | 44.0 | 44.0 | 38.8 | 40.7 | |
| 1:50 | 43.8 | 45.9 | 52.6 | 50.0 | 62.3 | 46.5 | 45.7 | 48.5 | 41.6 | 36.7 | 40.7 | |
| 1:55 | 42.1 | 43,2 | 52,8 | 49,5 | 62.5 | 47.2 | 50.7 | 50,2 | 43.5 | 36.3 | 42.5 | |
| 2:00 | 50.0 | 47.4 | 52.9 | 47.6 | 62.3 | 44.6 | 52.1 52.1 | 46.5 47.7 | 44.1 | 36.9 | 40.5 | |
| 2:05 | 43.B | 50.8 | 53.1 | 52.0 | 62.5 | 43.0 | 52.8 | 44.2 | 43.2 43,5 | 39.7 37.6 | 41.9 | |
| 2;10 | 43,3 | 50.9 | 51.1 | 50.2 | 56,3 | 41.0 | 53.4 | 43.0 | 43.4 | 37.6 | 41.6 | |
| 2:15 | 41.5 | 50,9 | 51,4 | 49,4 | 38.4 | 38.8 | 53.5 | 46.8 | 43.0 | 39.5 | 40.1 | |
| 2:20 | 41.5 | 50.4 | 51.0 | 50.4 | 42.2 | 43.0 | 53.1 | 54.2 | 41.7 | 40.8 | 39.6 | |
| 2:25 | 46,9 | 50.6 | 51,2 | 50.2 | 44.1 | 44.7 | 53.7 | 50.7 | 40.1 | 40.7 | 40.7 | |
| 2:30 | 47.6 | 51.0 | 49.3 | 47.4 | 47.0 | 43.4 | 53.8 | 47.0 | 40.8 | 40.7 | 42.1 | _ |
| 2;35 2:40 | 47.7 | 50.8 51.9 | 52,8 | 49,8 | 51.8 | 40.8 | 54.0 | 49.4 | 41.3 | 39.7 | 38.8 | |
| 2:40 | 47.7 | 51.9 52.4 | 54.1 54.6 | 54.1 | 52.9 | 40.4 | 53.7 | 53,4 | 42.6 | 36.4 | 39.9 | _ |
| 2:50 | 46.2 | 51.8 | 56.5 | 54.6 55.2 | 53.0 53.0 | 38.6 | 55,3 | 50.0 | 41.7 | 37.0 | 39.4 | |
| 2:55 | 45.1 | 47.B | 57.1 | 52.5 | 52.2 | 37.0 38.4 | 55.2 55.3 | 51.5 | 42,4 | 36.8 | 38.0 | |
| 3:00 | 46.9 | 53.1 | 57.4 | 51.6 | 53,3 | 41.2 | 55.3 55.4 | 53.5 53.8 | 40,4 | 37.0 | 39.0 | |
| 3:05 | 46.0 | 53.0 | 56.4 | 50,8 | 53,6 | 38.1 | 55,2 | 53,1 | 41.3 | 39.4 | 40.6 | |
| 3:10 | 46.0 | 52,8 | 55,6 | 45.1 | 54.2 | 39.4 | 55.0 | 54.1 | 40.8 | 38.6 36,3 | 45.2 48.2 | |
| 3:15 | 45.7 | 53.4 | 53,5 | 50.7 | 53.4 | 38.7 | 55,2 | 56.4 | 41.6 | 37.5 | 44.7 | |
| 3:20 | 50,7 | 53,7 | 55,2 | 53.5 | 44.8 | 37.0 | 55,0 | 54.4 | 40.6 | 36.6 | 39.8 | |
| 3:25 3:30 | 52,1 | 53,1 | 58.0 | 53,9 | 54.1 | 47.2 | 55.3 | 54,6 | 43.2 | 37.2 | 40.5 | |
| 3:35 | 52,1 52,8 | 52.7 52,5 | 58 | 53,9 | 54.5 | 50.9 | 55 | 53.5 | 43.1 | 38,8 | 41.4 | |
| 3;40 | 53.4 | 52,5 53,B | 57,6 58,4 | 52.6 55.3 | 55.4 | 52.8 | 48 | 55.6 | 43.6 | 37.4 | 40.8 | |
| 3:45 | 53.5 | 54.1 | 48.2 | 56.5 | 50.2 51.9 | 56.9 55,7 | 48,4 | 55.2 | 42.4 | 38.8 | 43.8 | |
| 3:50 | 53.1 | 54.4 | 49.5 | 56 | 51,3 | 56.1 | 49.8 | 54.2 | 41 | 40.2 | 49.2 | |
| 3:55 | 53.7 | 54.8 | 51.4 | 56.1 | 52,3 | 59.1 | 49.3 | 52.5 48,8 | 41.1 | 41.8 | 42.3 | |
| 4:00 | 53.8 | 55 | 51.4 | 55,8 | 54 | 54.5 | 49.7 | 48,6 | 43,4 | 54,2 44,4 | 41.3 | |
| 4:05 | 54 | 54.9 | 52.5 | 56,8 | 53.7 | 55.2 | 49.2 | 53.4 | 43 | 40 | 42.2 | |
| 4:10 | 53.7 | 53.4 | 53.6 | 57 | 52.7 | 59.2 | 49.9 | 48.7 | 48.5 | 40.2 | 43,4 | |
| 4:15 | 55.3 | 45,7 | 54 | 56.6 | 53.6 | 55. 9 | 50.7 | 49.2 | 42.3 | 41.7 | 41.4 | |
| 4:20 4:25 | 55.2 55.3 | 47.1 | 54.3 | 56.4 | 56,5 | 57.3 | 50.3 | 46.9 | 43.5 | 45.5 | 41.7 | |
| 4:30 | 55.4 | 48.9 | 54.4 54.9 | 55,7 | 50.9 | 59.6 | 47.4 | 49.2 | 44.6 | 41 | 41.1 | |
| 4:35 | 55.2 | 50.5 | 58.7 | 56.7 56. | 51.9 | 58 | 46,4 | 47.1 | 45,7 | 41.5 | 41.3 | |
| 4:40 | 55 | 49.5 | 58.3 | 55.9 | 50.6 50.8 | 56.5 | 46.9 47.9 | 47.7 | 46.6 | 41.5 | 45.1 | |
| 4:45 | 55.2 | 47.4 | 54.6 | 55.8 | 51.3 | 57.4 | 47.7 | 47.9 55,3 | 46.2 | 42.4 | 48.7 | |
| 4:50 | 55 | 47.9 | 56.5 | 52.2 | 52,3 | 58.9 | 47.1 | 42.4 | 46.9 47.5 | 50.7 43.2 | 47.2 | |
| 4:55 | 55.3 | 47.8 | 56.B | 51.5 | 51.6 | 58.6 | 42.4 | 55.2 | 47.6 | 43.4 | 41.6 43 | |
| 5:00 | 55 | 54.2 | 56.8 | 51.7 | 50.6 | 59.2 | 42.9 | 55.4 | 47.8 | 43.5 | 45 | |
| 5:05 | 48 | 56,2 | 56,7 | 51.6 | 53 | 59,8 | 44.9 | 54.8 | 47.9 | 43.9 | 40.8 | |
| 5:10 | 48.4 | 54.1 | 57.1 | 50.9 | 53,8 | 59.2 | 45.3 | 55.2 | 47.8 | 46.1 | 42.2 | |
| 5:15 | 49.8 | 48.1 | 57.6 | 50,8 | 52.8 | 57.8 | 42.6 | 55 | 47.1 | 43.7 | 43.9 | |
| 5:20 5:25 | 49.6 49.3 | 49.5 48.8 | 57.6 57.4 | 50,7 | 39.9 | 56.8 | 42,8 | 54.9 | 46.5 | 43.5 | 41.6 | |
| 5:30 | 49.3 | 48.5 | 57.4 | 50,9 50,9 | 39.6 | 59.1 | 44.4 | 55 | 46 | 43.1 | 41,6 | |
| 5:35 | 49.2 | 48 | 57.3 | 52 | 42.2 44.5 | 59.3 | 45.7 | 51.4 | 47.1 | 43.2 | 42.2 | |
| 5:40 | 49.9 | 47.9 | 57.2 | 52.1 | 48.9 | 59.3 57.6 | 46.9 47 | 50.7 | 47 | 43 | 41.9 | |
| 5:45 | 50,7 | 49,4 | 58 | 51.8 | 46.6 | 57.7 | 46.4 | 50.8 47.7 | 46.9 | 43.9 | 42 | |
| 5;50 | 50.3 | 47.2 | 56.4 | 50.1 | 44.2 | 59.8 | 47.2 | 42.2 | 46.7 46.1 | 43.1 | 42.6 | |
| 5:55 | 47.4 | 47.2 | 53.3 | 49,3 | 45.3 | 58.6 | 47.7 | 52 | 45.4 | 62.3 47 | 44.6 51,5 | |
| 6:00 | 45.4 | 46.6 | 52.2 | 47.7 | 45 | 56.1 | 44.6 | 50.9 | 45,3 | 44.8 | 42.4 | |
| 6:05 | 46,9 | 46,4 | 51.8 | 47.7 | 45.4 | 53.6 | 45.3 | 50.9 | 44.8 | 42 | 40.2 | |
| 6:10 | 47.9 47.7 | 45.3 | 49.8 | 45.9 | 42.3 | 44.5 | 45.7 | 48.6 | 43.9 | 44.3 | 3B.1 | |
| 6:20 | 47.1 | 43.2 41.7 | 47.9 63.3 | 42.6 | 43.1 | 44,1 | 44.6 | 48.9 | 43.3 | 38,8 | 44.6 | |
| 6:25 | 42.4 | 40,9 | 43 | 42.6 42.5 | 42.1 | 45 | 47.7 | 46.6 | 41.6 | 42.4 | 40.8 | |
| 6:30 | 42.9 | 42.9 | 45.8 | 41.3 | 62 44.4 | 43,5 | 45.9 | 44.5 | 39.8 | 41.4 | 40.3 | |
| 6:35 | 44.9 | 44.8 | 47.7 | 44.9 | 40.6 | 40.7 | 45,4 46.4 | 44.5 | 38.7 | 36.2 | 42 | |
| 6:40 | 45.3 | 44.8 | 55 | 42.5 | 39,4 | 38.2 | 50.3 | 45.7 43.5 | 39.6 39.2 | 38.6 | 43.5 | |
| 6:45 | 42.6 | 41.3 | 47.3 | 44.1 | 40.7 | 39.4 | 47.4 | 44.1 | 39.2 | 40.5 38.3 | 37.8 | |
| 6:50 | 42.8 | 41.2 | 46.6 | 42.1 | 42.7 | 40.6 | 47.6 | 45 | 38.2 | 38.6 | 36.6 36.5 | |
| 6:55 | 44.4 | 41.3 | 48.9 | 42.4 | 37 | 39.7 | 47.6 | 45.3 | 38 | 40 | 38.3 | |
| 23:00 | 46 | 47.5 | 45.7 | 45.6 | 47.5 | 49.1 | 43.2 | 37 | 39,1 | 38.4 | 50.9 | |
| 23:05 | 45.2 | 47.5 | 46.6 | 43 | 50,6 | 50.8 | 42,5 | 35.6 | 39.4 | 40.4 | 48,6 | |
| 23:10 | 46.6 | 47.2 | 50.9 | 42.9 | 51.2 | 53.2 | 41.8 | 38.1 | 40.4 | 39.8 | 47.9 | |
| 23:75 | 48,4 46,1 | 50.2 | 49.6 | 44.6 | 50,5 | 53.4 | 42.8 | 38,6 | 42.1 | 39.4 | 48 | |
| 23:25 | 47.3 | 49.2 46.7 | 47.9 | 47.8 | 46 | 53 | 42.2 | 42.6 | 41.1 | 38.7 | 47.2 | |
| 23:30 | 49.7 | 43,9 | 47 47.9 | 48.9 | 47.8 | 53 | 41.B | 43 | 40.7 | 38 | 47.1 | |
| 23:35 | 48.8 | 45.6 | 47.9 | 50.6 48.1 | 44.1 | 52.5 | 42.5 | 41.8 | 40 | 37.8 | 47.9 | |
| 23:40 | 48.2 | 59.3 | 47.2 | 48.4 | 45.5 42,4 | 52.4 | 42.4 | 44.3 | 40.1 | 37.5 | 48.1 | 3 |
| 23:45 | 50.4 | 66 | 46.2 | 48.7 | 41.5 | 51.3 52.6 | 41.B | 42.4 | 40.8 | 38.3 | 47.2 | |
| 23:50 | 47.7 | 63.7 | 46,5 | 49 | 43.8 | 53.8 | 41.4 | 41.6 | 40.1 | 41 | 46.3 | |
| 23:55 | 46.8 | 61.1 | 47 | 48 | 42.4 | 53.7 | 41.4 | 41.7 | 40 | 44.1 | 47.2 | 3 |
| Average | 49.1 | 49.0 | 52.0 | 50.1 | 49.7 | 49.2 | 47.8 | 47.4 | 38.8 | 42.6 | 48.8 | 4 |
| | 55.4 | 66.0 | 63.3 | 57.D | 62.5 | 59.8 | 55.4 | 56.4 | 43.0 48.5 | 40.8 62.3 | 42.2 51.5 | - 4 |
| Max Min | 41.5 | 40.9 | | | | | | | | | | |

Location: N1 - No. 73, Village House, Ling Tsui Tau Tsuen Holiday: Baseline Noise Monitoring Results

| | | Leq, (5min) | |
|------|--|-------------|---|
| Time | 09-Sep-07 | 16-Sep-07 | 23-Sep-07 |
| 0:00 | | 53.7 | 40.4 |
| 0:05 | - | 53.0 | 39.7 |
| 0:10 | - | 53.9 | 39.5 |
| 0:15 | - | 53.7 | 39.3 |
| 0:20 | - | 53.6 | 39.7 |
| 0:25 | - | 54.6 | 38,9 |
| 0:30 | - | 54.1 | 38.1 |
| 0:35 | - | 54.1 | 37.4 |
| 0:40 | - | 51.6 | 36.8 |
| 0:45 | - | 51.9 | 39.3 |
| 0;50 | | 52.4 | 36.9 |
| 0:55 | _ | 47.2 | 40.2 |
| 1:00 | | 48.5 | 38.9 |
| 1:05 | | 47.4 | 42.5 |
| 1:10 | | 46.9 | 39.6 |
| 1:15 | | 46.7 | 39.2 |
| 1:20 | - | 46.2 | 40.6 |
| 1:25 | - | 47.5 | 37.5 |
| 1:30 | - | 48.3 | 38.1 |
| 1:35 | - | 44.9 | 38.2 |
| 1:40 | | 45.0 | 38.4 |
| 1:45 | | 46.0 | 38.6 |
| 1:50 | | 47.1 | 38.7 |
| 1:55 | | 46.8 | 40.0 |
| 2:00 | | 47.4 | 42.8 |
| 2:05 | | 47.5 | 38,3 |
| 2:10 | | 48.0 | 38.4 |
| 2:15 | - | 47.9 | 39.2 |
| 2:20 | | 46.3 | 41.1 |
| 2:25 | | 45.3 | 41.3 |
| 2:30 | | 45.1 | 40.7 |
| 2:35 | | 45.1 | 43.2 |
| 2:40 | | 46.8 | 44.8 |
| 2:45 | | 46.7 | 41.9 |
| 2:50 | | 47.0 | 42.7 |
| 2:55 | | 45.9 | 45.2 |
| 3:00 | | 46.3 | 40.6 |
| 3:05 | | 48.1 | 41.0 |
| 3:10 | | 51.5 | 40.7 |
| 3:15 | | 52.6 | 40.3 |
| 3:20 | | 45.4 | 41.3 |
| 3:25 | | 45.2 | 41.4 |
| 3:30 | | 44.8 | 40.6 |
| 3:35 | | 46.6 | 38.4 |
| 3:40 | | 45.8 | 39 |
| 3:45 | | 45.8 | 40 |
| 3:50 | | | 40.3 |
| 3:55 | | 45.8 | 41.1 |
| 4:00 | | 46.9 | 39.9 |
| 4:05 | | 47.4 | 40.5 |
| 4:10 | | 48.2 | 39.9 |
| 4:15 | - | 48.5 | 42.2 |
| 4:20 | · | 48.5 | 41.8 |
| 4:25 | - | 48.6 | 42.7 |
| 4:30 | | 48.8 | |
| 4:35 | | 48.7 | 41.5 |
| 4:40 | _ | 49.2 | 42.8 |
| 4:45 | · · · · · · · · · · · · · · · · · · · | 49.2 | 42.5 |
| 4:50 | | 49.7 | 41.4 |
| 4:55 | | 49.6 | |
| 5:00 | | 48.9 | |
| 5:05 | | 49.4 | |
| 5:10 | | 48.5 | |
| 5:15 | | 48.2 | |
| 5:20 | | 49.1 | 43.4 |
| 5:25 | | 49.7 | |
| 5:30 | -1 | 48.9 | |
| 5:35 | | 48.5 | |
| 5:40 | | 47.7 | 40.4 |
| 5:45 | | 48.4 | |
| 5:50 | | 53 | |
| 5:55 | · · · · · · · · · · · · · · · · · · · | 48.5 | |
| | | | , , , , , , , , , , , , , , , , , , , |
| 6:00 | | | |
| 6:08 | ין - | 47.8 | 40.7 |

<u>Location: N1 - No. 73, Village House, Ling Tsui Tau Tsuen</u> <u>Holiday: Baseline Noise Monitoring Results</u>

| 6:10 6:15 6:20 | | Leq, (5min) | |
|--|-----------------------|--|--|
| 6:15 6:20 | - | 59.6 | 40.2 |
| | - | 63.3 | 39.7 |
| | | 46.9 | 39.7 |
| 6:25 | - | 45.2 | 39.4 |
| 6:30 | - | 46.7 | 40.8 |
| 6:35 | | 53 | 39.8 |
| 6:40 6:45 | | 54.1 64.7 | 39,9 38,8 |
| 6:50 | | 61.4 | 39.5 |
| 6:55 | - | 62.5 | 41.6 |
| 7:00 | - | 64.9 | 38.6 |
| 7:05 | - | 55.2 | 41 |
| 7:10 | - | 56.8 | 40.5 |
| 7:15 7:20 | - | 39.5 | 43.6 |
| 7:25 | | 39,6 36.6 | 41.2 41 |
| 7:30 | _ | 37.5 | 40.5 |
| 7:35 | | 37.5 | 40.3 |
| 7:40 | - | 41.7 | 41.2 |
| 7:45 | 1 | 37.7 | 40.6 |
| 7:50 | - | 37.1 | 41.4 |
| 7:55 | | 36.9 | 41.9 |
| 8:00 8:05 | - | 37.5 38 | 45 48.1 |
| 8:10 | | 40.1 | 41 |
| 8:15 | - | 41.7 | 42.3 |
| 8:20 | - | 44.3 | 50,4 |
| 8:25 | - | 38,3 | 48.9 |
| 8:30 | | 44.3 | 45.5 |
| 8;35 8:40 | - | 37.2 40.3 | 45.6 |
| 8:45 | | 38.9 | 46 50,7 |
| 8:50 | | 38.4 | 50.3 |
| 8:55 | - | 41.2 | 50.9 |
| 9:00 | - | . 39 | 50.4 |
| 9:05 | - | 38.5 | 52.4 |
| 9:10 | - | 40 | 50.1 |
| 9:15 9:20 | <u>-</u> | 39.9 38.7 | 49 47.6 |
| 9:25 | | 39,8 | 47.7 |
| 9;30 | - | 39.4 | 45.9 |
| 9:35 | - | 40.1 | 46.1 |
| 9:40 | - | 38 | 43.2 |
| 9:45 9:50 | | 37.8 | 44.1 44.9 |
| 9:55 | | 37.9 38 | 48.5 |
| 10:00 | | 41.7 | 52.2 |
| 10:05 | - | 37.4 | 47.7 |
| 10:10 | _ | 38.2 | 46.1 |
| 10:15 | | 39.6 | 49.7 |
| 10:20 | - | 44.3 | 44.8 |
| 10:25 | | 37.2 | 45.8 |
| 10:30 10:35 | - | 39.1 40.1 | 48.2 49.4 |
| 10:40 | - | 39.5 | 51.7 |
| 10:45 | | 40.9 | 45.4 |
| 10:50 | - | 40.1 | 46.2 |
| | - | 40.4 | 48.8 |
| 10:55 | _ | 42.1 | 400 |
| 11:00 | | | |
| 11:00 11:05 | - | 45.6 | 46.2 |
| 11:00 11:05 11:10 | - | 45.6 44.8 | 46.2 43.7 |
| 11:00 11:05 11:10 11:15 | - - - | 45.6 44.8 39.7 | 46.2 43.7 48.9 |
| 11:00 11:05 11:10 | - | 45.6 44.8 | 46.2 43.7 48.9 47.7 |
| 11:00 11:05 11:10 11:15 11:20 | - - - - - | 45.6 44.8 39.7 49.3 | 46.2 43.7 48.9 47.7 50.6 48.5 |
| 11:00 11:05 11:10 11:15 11:20 11:25 11:30 | - | 45.6 44.8 39.7 49.3 45.8 50 44.9 | 46.2 43.7 48.9 47.7 50.6 48.5 44.6 |
| 11:00 11:05 11:10 11:15 11:20 11:25 11:30 11:35 11:40 | - | 45.6 44.8 39.7 49.3 45.8 50 44.9 | 46.2 43.7 48.9 47.7 50.6 48.5 44.6 |
| 11:00 11:05 11:10 11:15 11:20 11:25 11:30 11:35 11:40 11:45 | - | 45.6 44.8 39.7 49.3 45.8 50 44.9 45.3 | 46.2 43.7 48.9 47.7 50.6 48.5 44.6 50.4 |
| 11:00 11:05 11:10 11:15 11:20 11:25 11:30 11:35 11:40 11:45 | - | 45.6 44.8 39.7 49.3 45.8 50 44.9 45.3 48.2 | 46.2 43.7 48.9 47.7 50.6 48.5 44.6 50.4 43.3 |
| 11:00 11:05 11:10 11:15 11:20 11:25 11:30 11:35 11:40 11:45 11:50 11:55 | | 45.6 44.8 39.7 49.3 45.8 50 44.9 45.3 48.2 45 | 46.2 43.7 48.9 47.7 50.6 48.5 44.6 50.4 43.3 48 |
| 11:00 11:05 11:10 11:15 11:20 11:25 11:30 11:35 11:40 11:45 11:50 11:55 12:00 | | 45.6 44.8 39.7 49.3 45.8 50 44.9 45.3 48.2 45 45 | 46.2 43.7 48.9 47.7 50.6 48.5 44.6 50.4 43.3 48 46 50.6 |
| 11:00 11:05 11:10 11:15 11:20 11:25 11:30 11:35 11:40 11:45 11:50 11:55 | | 45.6 44.8 39.7 49.3 45.8 50 44.9 45.3 48.2 45 | 48.9 |
| 11:00 11:05 11:10 11:15 11:20 11:25 11:30 11:35 11:40 11:45 11:50 11:55 12:00 12:05 | | 45.6 44.8 39.7 49.3 45.8 50 44.9 45.3 48.2 45 45.4 45.4 45.2 | 46.2 43.7 48.9 47.7 50.6 48.5 44.6 50.4 43.3 48 46 50.6 49.1 |

<u>Location: N1 - No. 73, Village House, Ling Tsui Tau Tsuen</u> <u>Holiday: Baseline Noise Monitoring Results</u>

| 1 | | Leq, (5min) | |
|---|--|--|--|
| 12:25 | <u> </u> | 44.6 | 50.2 |
| 12:30 | · | 43.6 | |
| 12:35 | } | 45.3 | |
| 12:40 | | 46.8 | 55.4 |
| 12:45 | | 45.1 | 42.9 |
| 12:50 | | 45.2 | 42 |
| 12:55 | - | 44.9 | 43.7 |
| 13:00 | - | 47.8 | 42.8 |
| 13:05 | _ | 47.2 | 55.8 |
| 13;10 | - | 44.6 | 54 |
| 13:15 | - | 46.3 | 46.2 |
| 13:20 | - | 44.8 | 44.1 |
| 13:25 | | 44.5 | 43.8 |
| 13:30 | - | 45 | 43 |
| 13:35 | - | 45 | 40.5 |
| 13:40 | - | 48.1 | 53.4 |
| 13:45 | - | 45 | 41 |
| 13:50 | - | 45.1 | 42.5 |
| 13:55 | - | 45.3 | 42 |
| 14:00 | - | 45.5 | 41.5 |
| 14:05 | - | 45.1 | 45.4 |
| 14:10 | - | 45.8 | 44 |
| 14:15 | - | 45.2 | 43.5 |
| 14:20 | | 47.3 | 40.5 |
| 14:25 14:30 | - | 46.8 | 41.2 |
| 14:35 | - | 45 | 41.3 |
| 14:40 | | 47.5 44.2 | 52.4 44.3 |
| 14:45 | | 45.1 | 44.4 |
| 14:50 | | 48.5 | 42.1 |
| 14:55 | 49.3 | 44.2 | 41.9 |
| 15:00 | 48.2 | 43.4 | 42 |
| 15:05 | 45.1 | 44.1 | 42.5 |
| 15:10 | 44.6 | 43.5 | 41.7 |
| 15:15 | 43.6 | 43.9 | 41.1 |
| 15:20 | 47.2 | 42.4 | 55.6 |
| 15:25 | 44.6 | 44.8 | 45.1 |
| 15:30 | 46.3 | 42.7 | 42.2 |
| 15:35 | 46.5 | 42.4 | 42.3 |
| 15:40 | 45 | 42.4 | 41.6 |
| 15:45 | 45.1 | 42.6 | 42.3 |
| 15:50 | 45.3 | 45.9 | 43 |
| 15:55 | 45.5 | 43.6 | 42.6 |
| 16:00 | 45.1 | 47.1 | 42.4 |
| 16:05 | 45.8 | 43.3 | 43.1 |
| 16:10 | 45.2 | 43.7 | 42.7 |
| 16:15 16:20 | 47.3 46.8 | 42.5 | 42.2 |
| 16:25 | 46.8 | 47.4 43.3 | 43.7 43.5 |
| 16:30 | 47.5 | 46.5 | 40.1 |
| 16:35 | 44.2 | 43.3 | 41.8 |
| 16:40 | 45.1 | 44.7 | 40.9 |
| 16:45 | 48.5 | 48.2 | 40.8 |
| 16:50 | 44.2 | 46.1 | 41.6 |
| 16:55 | 43.4 | 47.4 | 41.2 |
| | | | 41 |
| 17:00 | 44.1 | 46.5 | |
| 17:00 17:05 | 44.1 43.5 | 46.5 44.3 | 41.3 |
| 17:05 17:10 | | | 41.3 41.1 |
| 17:05 17:10 17:15 | 43.5 43.9 42.4 | 44.3 | |
| 17:05 17:10 17:15 17:20 | 43.5 43.9 42.4 44.8 | 44.3 46 47 46.4 | 41.1 |
| 17:05 17:10 17:15 17:20 17:25 | 43.5 43.9 42.4 44.8 42.7 | 44.3 46 47 46.4 45.2 | 41.1 42.4 41.4 42.3 |
| 17:05 17:10 17:15 17:20 17:25 17:30 | 43.5 43.9 42.4 44.8 42.7 42.4 | 44.3 46 47 46.4 45.2 46.7 | 41.1 42.4 41.4 42.3 42 |
| 17:05 17:10 17:15 17:20 17:25 17:30 17:35 | 43.5 43.9 42.4 44.8 42.7 42.4 42.4 | 44.3 46 47 46.4 45.2 46.7 49.1 | 41.1 42.4 41.4 42.3 42 43.7 |
| 17:05 17:10 17:15 17:20 17:25 17:30 17:35 17:40 | 43.5 43.9 42.4 44.8 42.7 42.4 42.4 42.6 | 44.3 46 47 46.4 45.2 46.7 49.1 50.8 | 41.1 42.4 41.4 42.3 42 43.7 47.3 |
| 17:05 17:10 17:15 17:20 17:25 17:30 17:35 17:40 | 43.5 43.9 42.4 44.8 42.7 42.4 42.4 42.6 45.9 | 44.3 46 47 46.4 45.2 46.7 49.1 50.8 51.7 | 41.1 42.4 41.4 42.3 42 43.7 47.3 54.6 |
| 17:05 17:10 17:15 17:20 17:25 17:30 17:35 17:40 17:45 | 43.5 43.9 42.4 44.8 42.7 42.4 42.4 42.6 45.9 | 44.3 46 47 46.4 45.2 46.7 49.1 50.8 51.7 50.9 | 41.1 42.4 41.4 42.3 42 43.7 47.3 |
| 17:05 17:10 17:15 17:20 17:25 17:30 17:35 17:40 17:45 17:50 | 43.5 43.9 42.4 44.8 42.7 42.4 42.4 42.6 45.9 43.6 | 44.3 46 47 46.4 45.2 46.7 49.1 50.8 51.7 50.9 50.6 | 41.1 42.4 41.4 42.3 42 43.7 47.3 54.6 |
| 17:05 17:10 17:15 17:20 17:25 17:30 17:35 17:40 17:45 17:50 17:55 | 43.5 43.9 42.4 44.8 42.7 42.4 42.6 45.9 43.6 47.1 43.3 | 44.3 46 47 46.4 45.2 46.7 49.1 50.8 51.7 50.9 50.6 48.6 | 41.1 42.4 41.4 42.3 42.3 42 43.7 47.3 54.6 |
| 17:05 17:10 17:15 17:20 17:25 17:35 17:35 17:40 17:45 17:50 17:55 18:00 | 43.5 43.9 42.4 44.8 42.7 42.4 42.4 42.6 45.9 43.6 47.1 43.3 | 44.3 46 47 46.4 45.2 46.7 49.1 50.8 51.7 50.9 50.6 48.6 | 41.1 42.4 41.4 42.3 42.3 42 43.7 47.3 54.6 |
| 17:05 17:10 17:15 17:20 17:25 17:35 17:35 17:40 17:45 17:50 17:55 18:00 | 43.5 43.9 42.4 44.8 42.7 42.4 42.4 42.6 45.9 43.6 47.1 43.3 43.7 | 44.3 46 47 46.4 45.2 46.7 49.1 50.8 51.7 50.9 50.6 48.6 47.4 | 41.1 42.4 41.4 42.3 42 43.7 47.3 54.6 |
| 17:05 17:10 17:15 17:20 17:25 17:35 17:35 17:40 17:45 17:50 17:55 18:00 18:05 | 43.5 43.9 42.4 44.8 42.7 42.4 42.6 45.9 43.6 47.1 43.3 43.7 42.5 47.4 | 44.3 46 47 46.4 45.2 46.7 49.1 50.8 51.7 50.9 50.6 48.6 47.4 48.6 52.7 | 41.1 42.4 41.4 42.3 42 43.7 47.3 54.6 53.5 |
| 17:05 17:10 17:15 17:20 17:25 17:35 17:35 17:40 17:45 17:50 17:55 18:00 18:05 18:10 | 43.5 43.9 42.4 44.8 42.7 42.4 42.6 45.9 43.6 47.1 43.3 43.7 42.5 47.4 43.3 | 44.3 46 47 46.4 45.2 46.7 49.1 50.8 51.7 50.9 50.6 48.6 47.4 48.6 52.7 53.3 | 41.1 42.4 41.4 42.3 42 43.7 47.3 54.6 53.5 |
| 17:05 17:10 17:15 17:20 17:25 17:35 17:35 17:40 17:45 17:50 17:55 18:00 18:05 18:10 18:15 | 43.5 43.9 42.4 44.8 42.7 42.4 42.6 45.9 43.6 47.1 43.3 43.7 42.5 47.4 43.3 46.5 | 44.3 46 47 46.4 45.2 46.7 49.1 50.8 51.7 50.9 50.6 48.6 47.4 48.6 52.7 53.3 | 41.1 42.4 41.4 42.3 42 43.7 47.3 54.6 53.5 |
| 17:05 17:10 17:15 17:20 17:25 17:35 17:35 17:40 17:45 17:50 17:55 18:00 18:05 18:10 | 43.5 43.9 42.4 44.8 42.7 42.4 42.6 45.9 43.6 47.1 43.3 43.7 42.5 47.4 43.3 | 44.3 46 47 46.4 45.2 46.7 49.1 50.8 51.7 50.9 50.6 48.6 47.4 48.6 52.7 53.3 | 41.1 42.4 41.4 42.3 42 43.7 47.3 54.6 53.5 |

Location: N1 - No. 73, Village House, Ling Tsui Tau Tsuen Holiday: Baseline Noise Monitoring Results

| | | Leq, (5min) | · |
|---|--------------|--------------|--------------|
| 18:40 | 48.2 | 50.8 | - |
| 18:45 | 46.1 | 51.7 | - |
| 18:50 18:55 | 47.4 46.5 | 48.3 | <u> </u> |
| 19:00 | 46.7 | 54.9 48.8 | - |
| 19:05 | 49.1 | 47.2 | |
| 19:10 | 50,8 | 48,4 | _ |
| 19:15 | 51.7 | 52.6 | - |
| 19:20 | 50.9 | 51.7 | - |
| 19:25 | 50.6 | 52 | - |
| 19:30 | 48.6 | 51.4 | |
| 19:35 | 47.4 | 51.3 | |
| 19:40 | 48.6 | 47.2 | - |
| 19:45 19:50 | 52.7 53.3 | 47.3 45 | - |
| 19:55 | 52 | 44.5 | _ |
| 20:00 | 50.2 | 44.8 | _ |
| 20:05 | 48.9 | 46.8 | _ |
| 20:10 | 50.8 | 47.8 | - |
| 20:15 | 51.7 | 46.9 | - |
| 20:20 | 48.3 | 48 | - |
| 20:25 | 54.9 | 47.6 | |
| 20;30 | 48.8 | 54.6 | - |
| 20:35 20:40 | 47.2 48.4 | 49.2 48.6 | - |
| 20:45 | 52.6 | 49.5 | - |
| 20:50 | 51.7 | 49.6 | |
| 20:55 | 52 | 49.7 | - |
| 21:00 | 51.4 | 50,1 | _ |
| 21:05 | 51.3 | 48.6 | |
| 21:10 | 47.2 | 49.5 | - |
| 21:15 | 47.3 | 51.7 | - |
| 21:20 | 45 | 51.7 | - |
| 21:25 21:30 | 44.5 | 51.5 52.9 | - |
| 21:35 | 46,8 | 53.2 | |
| 21:40 | 47.8 | 53 | · |
| 21:45 | 46.9 | 53 | - |
| 21:50 | 48 | 51.7 | |
| 21:55 | 47.6 | 51.9 | |
| 22:00 | 54.6 | 52,3 | - |
| 22:05 | 49.2 | 51.8 | - |
| 22:10 | 48.6 | 51.4 | - |
| 22:15 22:20 | 49.5 49.6 | 47.7 46.3 | - |
| 22:25 | 49.7 | 45.9 | |
| 22:30 | 50.1 | 47 | |
| 22:35 | 48.6 | 51.1 | |
| 22:40 | 49.5 | 51.4 | |
| 22:45 | 51.7 | 54.3 | - |
| 22;50 | 51.7 | , 52.8 | - |
| 22:55 | 51.5 | 50.3 | |
| 23:00 | 52.9 | 47.7 | |
| 23:05 23:10 | 53.2 53 | 47.7 49.4 | |
| 23:15 | 53 | 49.7 | |
| 23:20 | 51.7 | 45.7 | |
| 23:25 | 51.9 | 45 | |
| 23:30 | 52.3 | 49.8 | - |
| 23:35 | 51.8 | 51.6 | - |
| 23:40 | 51.4 | 52.1 | |
| 23:45 | 47.7 | 52.2 | |
| 23:50 | 46.3 | 51.9 | |
| 23:55 | 45.9 | 52.2 | - |
| Average | 47.7 | 46.9 | 43.4 |
| Max Min | 54.9 42.4 | 64.9 36.6 | 58.2 36.8 |
| Note: | 44.4 | 30.0 | 30.8 |
| · • • • • • • • • • • • • • • • • • • • | | | |

^[1] Baseline monitoring at N1 started at 14:55 on 9 Sept 2007 to 17:55 on 23 Sep 2007

Location: N2 - No. 31, Village House, Ling Tsul Tau Tsuen
Daytime (0700-1900) for normal day Baseline Noise Monitoring Results

| | Leq. (30min) | | | | | | | | | | | |
|---------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Time | 05-Oct-07 | 06-Oct-07 | 08-Oct-07 | 09-Oct-07 | 10-Oct-07 | 11-Oct-07 | 12-Oct-07 | 13-Oct-07 | 15-Oct-07 | 16-Oct-07 | 17-Oct-07 | 18-Oct-07 |
| 7:00 | • | 49.7 | 48.8 | 51.7 | 46.2 | 49.1 | 50.3 | 47.5 | 49.1 | 57.7 | 55.6 | 51.2 |
| 7:30 | · | 50.6 | 50.8 | 52.6 | 53.4 | 49.9 | 54.8 | 48.6 | 49.1 | 58.9 | 56.0 | 54.2 |
| 8:00 | | 50,5 | 51.5 | 53.6 | 50.0 | 52.0 | 57,6 | 50.0 | 47.9 | 56.0 | 53,5 | 55.8 |
| B:30 | | 51.4 | 51.3 | 52.5 | 50.9 | 58.2 | 53.9 | 52.6 | 47.9 | 59.0 | 53.2 | 56.0 |
| 9:00 | | 52.1 | 52.9 | 53.0 | 51.5 | 58.5 | 52.5 | 52.5 | 51,6 | 58.3 | 52.9 | 53,5 |
| 9:30 | · | 51.4 | 52.1 | 53,8 | 50.9 | 56.9 | 55,6 | 51.6 | 50.7 | 57.0 | 52.2 | 53.2 |
| 10:00 | | [1] | 51.7 | 55.3 | 62.7 | 56.5 | 54.7 | 51.2 | 49.7 | 54.7 | 52.0 | 52,9 |
| 10:30 | - | 50.4 | 51.6 | 58.9 | 64.8 | 56.9 | 52.0 | 53.3 | 50,6 | 55.2 | 53.7 | 52.2 |
| 11:00 | | 50.3 | 54.8 | 52.9 | 60,6 | 58.9 | 56.1 | 51.9 | 49.6 | 54,2 | 55.0 | 52.0 |
| 11:30 | <u>-</u> | 50.5 | 51.8 | 52.6 | 63.7 | 57.0 | 52.5 | 53.2 | 52.4 | 55.6 | 55.0 | 53,7 |
| 12:00 | - | 50.3 | 51.1 | 51.7 | 63.1 | 56.8 | 51.8 | 52.8 | 51.9 | 52.2 | 52.2 | 55.0 |
| 12:30 | | 49.5 | [1] | 49.6 | [1] | 58.1 | [1] | 52,1 | 51.9 | 51.0 | 57.3 | 55.0 |
| 13:00 | - | 52.2 | 54.3 | 44.9 | 48.9 | 59.0 | 50.0 | 53.3 | 54.4 | 51.0 | 53.7 | 52.2 |
| 13:30 | - | 50,7 | 51.7 | 48.5 | 48.0 | 57.2 | 48,9 | [1] | 50,3 | 53.7 | 50.3 | 57.3 |
| 14:00 | | 50,5 | 50.3 | 49.0 | 49.8 | 54.6 | 51.7 | 51.3 | 55.8 | [1] | 54.9 | 53,7 |
| 14:30 | 52.2 | 48.3 | 46.9 | 50.7 | 48.5 | 54.5 | 53.4 | 49.9 | [1] | 54.0 | 55,2 | 50.3 |
| 15:00 | 51.0 | 52.5 | 50.2 | 50.0 | 61.6 | [1] | 53.5 | 50.6 | 51,9 | 48.7 | [1] | 53.7 |
| 15:30 | 49.7 | 46.0 | 54.2 | 51.3 | 63.5 | [1] | 52.6 | 49.6 | 52.9 | 49.6 | 54.0 | 53,0 |
| 16:00 | 49.7 | 47.7 | 47.0 | 53,0 | 62.8 | 59.4 | 49.0 | 51,3 | 51.3 | 47.9 | 48.7 | 51.4 |
| 16:30 | 48.6 | 50,2 | 46.1 | 54.1 | 49.5 | 48.2 | 52.6 | 49.7 | 50,5 | 52.0 | 49.6 | 53.4 |
| 17:00 | 48.9 | 50,5 | 54.9 | 53,3 | 54.0 | 49.6 | 52.2 | 53.8 | 52.9 | 52.3 | 47.9 | 53,4 |
| 17:30 | 50.8 | 50.7 | 50.6 | 53.4 | 48.5 | 48.7 | 49.7 | 52.2 | 50,5 | 53.6 | 52.0 | 50.7 |
| 18:00 | 58.4 | 50.2 | 50.9 | 49.8 | 48.1 | 58.2 | 49.3 | 52.4 | 51.0 | 54.4 | 52,3 | 54,1 |
| 18:30 | 50.0 | 52,6 | 53.3 | 52.6 | 52.9 | 51.8 | 52.2 | 52.3 | 53.3 | 53.0 | 53.6 | 49.8 |
| Average | 51.0 | 50.4 | 51.3 | 52.0 | 54,5 | 55.0 | 52.5 | 51,5 | 51.2 | 53.9 | 53.1 | 53.2 |
| Max | 58.4 | 52.6 | 54,9 | 58.9 | 64.8 | 59.4 | 57.6 | 53,8 | 55.8 | 59.0 | 57.3 | 57.3 |
| Min | 48.6 | 46.0 | 46,1 | 44.9 | 46,2 | 48.2 | 48.9 | 47.5 | 47.9 | 47.9 | 47,9 | 49.8 |

Note:
[1] Noise measurements were paused for data downloading and replacement of batteries. The noise levels were not reported [2] Baseline monitoring at N2 started at 14:30 on 5 Oct 2007 to 17:00 on 19 Oct 2007

<u>Location: N2 - No. 31, Village House, Ling Tsui Tau Tsuen</u>
<u>Evening time (1900-2300) for normal day Baseline Noise Monitoring Results</u>

| | | | | | | Leg, (5ml: | n) | | | | | |
|--------|--------------|--------------|--------------|--------------|--------------|--------------|------------|--------------|--------------|--------------|--------------|-------|
| Time | 05-Oct-07 | 06-Oct-07 | 08-Oct-07 | 09-Oct-07 | 10-Oct-07 | 11-Oct-07 | 12-Oct-07 | 13-Oct-07 | 15-Oct-07 | 16-Oct-07 | 17-Oct-07 | 18-Oc |
| 19:00 | 52,6 | 50.5 | 51.4 | 52.4 | 53.2 | 51.3 | 52.6 | 59.4 | 52.3 | 53.7 | 51,9 | |
| 19:05 | 53 | 52. | 51.2 | 52,5 | 53.6 | 51.9 | 53,5 | 56.4 | 52.1 | 54 | 53 | |
| 19:10 | 53.3 | 54 | 51 | 55.9 | 53.5 | 53.4 | 51.3 | 53 | 53.1 | 51.4 | 53 | |
| 19:15 | 52.8 | 54.3 | 52,8 | 53.4 | 53,4 | 51 | 51.5 | 54.3 | 50,3 | 52.2 | 57.1 | |
| 19:20 | 50.7 | 53.8 | 52.6 | 52.7 | 53.2 | 51.5 | 51 | 56.1 | 50.1 | 54.2 | 55.8 | |
| 19:25 | 52.7 | 51.7 | 53.3 | 52.5 | 54.2 | 52.2 | 49.5 | 59,5 | 50.1 | 50.8 | 53,4 | |
| 19:30 | 53,5 | 52.9 | 53.6 | 53 | 54.7 | 52.6 | 50.2 | 54.5 | 49.9 | 50.1 | 53.5 | |
| 19:35 | 51.9 | 53.4 | 53.5 | 52.7 | 51 | 53.2 | 50,7 | 58.4 | 50.3 | 50.5 | 52.9 | |
| 19:40 | 52.4 | 55,4 | 52.6 | 60,2 | 50.2 | 52.5 | 50.2 | 57.9 | 50.3 | 50.1 | 53.4 | |
| 19:45 | 54.4 | 54.2 | 51.8 | 53.9 | 51.7 | 52.9 | 49.6 | 52.6 | 50.6 | 50.3. | 53,2 | |
| 19:50 | 53.2 | 54.7 | 50.9 | 53.9 | 50.1 | 55 | 49.1 | 52.4 | 50,5 | 50.1 | 52.5 | |
| 19:55 | 52.7 | 54.7 | 51,6 | 52.9 | 51.6 | 52.4 | 55.1 | 51.6 | 50.9 | 49.6 | 52.4 | |
| 20:00 | 52.9 | 53.7 | 52.4 | 57.9 | 50.4 | 53.2 | 50.1 | 52.1 | 51.7 | 50.5 | 53.7 | |
| 20:05 | 53.7 | 53.9 | 53.3 | 58.9 | 51.2 | 53.9 | 55.4 | 52.3 | 50 | 51.2 | 54 | |
| 20:10 | 53.7 | 55.8 | 54 | 53,8 | 49.6 | 52.3 | 52.8 | 59.7 | 52.6 | 50 | 51.4 | |
| 20:15 | 54.8 | 52.5 | 54 | 58.7 | 50 | 53 | 55.5 | 60.8 | 55.1 | 50.1 | 52.2 | |
| 20:20 | 53,5 | 52.5 | 53.6 | 56.8 | 50.2 | 52.9 | 51.7 | 51.6 | 55.3 | 49 | 54.2 | • |
| 20;25 | 53.5 | 52.7 | 51,5 | 53.8 | 54.7 | 52.9 | 50 | 52.6 | 57.1 | 50.6 | 50.8 | |
| 20:30 | 51.7 | 46.6 | 50,6 | 52.1 | 50.1 | 53.2 | 53.5 | 50.5 | 56.3 | 48.8 | 50,1 | |
| 20:35 | 50.9 | 50 | 51.3 | 51.6 | 50 | 52.8 | 50.1 | 51.1 | 54.8 | 55.6 | 50.5 | |
| 20:40 | 50.3 | 50.9 | 53 | 51.4 | 49.9 | 51 | 50 | 50 | 54 | 49.1 | 50.1 | |
| 20:45 | 47.8 | 50.3 | 50,5 | 50.9 | 54.6 | 50.3 | 52.7 | 51.3 | 55.6 | 50.7 | 50,3 | |
| 20:50 | 50.6 | 46.8 | 52 | 50.7 | 52.8 | 50.2 | 51,7 | 51.7 | 56.1 | 50.7 | 50,1 | |
| 20:55 | 50 | 49.9 | 51.4 | 52,4 | 50.2 | 50.1 | 49.9 | 51.2 | 55.8 | 49.7 | 49,6 | |
| 21:00 | 49.9 | 50.3 | 53,6 | 50.9 | 49.8 | 52.1 | 48,8 | 49.8 | 56.9 | 50.5 | 50,5 | |
| 21:05 | 49.3 | 49.9 | 53 | 51.1 | 50.5 | 52.3 | 48.6 | 49.8 | 57 | 54 | 51.2 | |
| 21:15 | 48.9 | 49.9 | 51.5 | 51,3 | 50.3 | 50,7 | 50,3 | 48.9 | 56.2 | 63.7 | 50 | |
| 21:20 | 54,4 | 58.4 | 50.9 | 52,9 | 50.6 | 54.6 | 47.6 | 49.1 | 55.7 | 49.9 | 50,1 | |
| 21;25 | 49.7 51.5 | 54.4 | 49 | 51.3 | 50 | 54.7 | 47.8 | 49,3 | 56.7 | 49.2 | 49 | |
| 21:30 | 53.2 | 49.7 | 47.7 | 50.9 | 49.5 | 51 | 47.5 | 50,4 | 55.6 | 51 | 50.6 | |
| 21:35 | 49.9 | 51.5 | 48.9 | 51.3 | 53.4 | 53.8 | 47.9 | 53.1 | 54.5 | 50.7 | 48.8 | |
| 21:40 | 52.4 | 54.2 58.3 | 52,7 46.7 | 52.1 | 63.4 | 50 | 48 | 49.4 | 52.6 | 49.4 | 55,6 | |
| 21:45 | 58,3 | 52 | 47.4 | 51.7 51.9 | 50.7 | 50.8 | 48.5 | 49.1 | 54 | 48.5 | 49.1 | |
| 21:50 | 52 | 56.9 | 48.2 | 52.6 | 50,1 50,3 | 54.4 50.6 | 48.7 | 54.3 | 54.8 | 48 | 50.7 | |
| 21:55 | 52.9 | 57.3 | 47.3 | 52,7 | 49.7 | 51.2 | 49.2 50 | 49.1 | 53.6 | 48.7 | 50.7 | |
| 22:00 | 50.3 | 52.3 | 46.8 | 54 | 49.7 | 51.4 | 48.8 | 49.4 | 55.7 | 47.4 | 49,7 | |
| 22:05 | 51.2 | 50.3 | 47.8 | 53.1 | 50 | 50.9 | 47.6 | 49.6 50.7 | 56.2 | 48.3 | 50.5 | |
| 22:10 | 46,2 | 51.2 | 46 | 53,5 | 50.1 | 49.5 | 48.2 | 49.5 | 55.8 54.9 | 56.5 | 54 | |
| 22:15 | 56.3 | 46.2 | 46.9 | 49.6 | 49.9 | 51.4 | 49.2 | 49.2 | 54.3 | 49.6 | 63.7 | |
| 22:20 | 52.3 | 45.2 | 48.4 | 46.5 | 49.7 | 52 | 49.2 | 49.2 | 53.8 | 50.1 | 49,9 | |
| 22:25 | 47.2 | 48.1 | 46.2 | 53.4 | 50.1 | 51.9 | 49 | 53.4 | 53.8 | 49.7 50.2 | 49.2 | |
| 22:30 | 48.1 | 49.4 | 46.8 | 50.4 | 49.4 | 49.6 | 56.4 | 50.5 | 53.7 | 50.2 | 51 | |
| 22:35 | 49.4 | 50,5 | 48.4 | 49.5 | 45 | 49.7 | 48.4 | 51.1 | 52.9 | 49.4 | 50.7 | |
| 22:40 | 46.1 | 49.5 | 45.7 | 49.3 | 43.4 | 49 | 48.1 | 51 | 53.3 | 52.3 | 49.4 | |
| 22:45 | 51 | 45.1 | 48 | 49.1 | 49.4 | 45 | 48.1 | 49,6 | 52.4 | | 48.5 | |
| 22:50 | 50.8 | 51 | 48.5 | 49.5 | 50 | 46,3 | 49.8 | 48.7 | 53.4 | 47.1 50.1 | 48 48.7 | - |
| 22:55 | 50.5 | 50.8 | 63.5 | 49,3 | 48.9 | 45.8 | 49.1 | 48.4 | 53.6 | 50.1 | 47.4 | |
| verage | 51.6 | 51.9 | 50.7 | 52.6 | 51.0 | 51.6 | 50.3 | 52.2 | 53.7 | 50.8 | | |
| Max | 58.3 | 58,4 | 63,5 | 60.2 | 63.4 | 55.0 | 56.4 | 60.8 | 57.1 | | 51,6 | |
| Min | 46.1 | 45,1 | 45.7 | 46.5 | 43.4 | 45.0 | 47.5 | 48.4 | 49,9 | 63.7 47.1 | 63.7 47.4 | ! |

| Time | | 06-Oct-07 | 08-Oc1-07 | 09-Oct-07 | 10-Oct-07 | Leq, (5mir 11-Oct-07) | n) 12-Oct-07 | 13-Oct-07 | 15-Oct-07 | 16-Oct-07 | 17-Oct-07 | 18-Oct-0 |
|----------------------------------|--------------|--------------|---------------|--------------|--------------|--------------------------|-----------------|--------------|--------------|--------------|--------------|--------------|
| 0:00 | - | 46.4 | 47.8 | 52.8 | 45 | 48.6 | 45.2 | 48.4 | 47.7 | 53.6 | 46.6 | 49. |
| 0:05 0:10 | | 46.5 46.7 | 54.8 45.6 | 50 49.2 | 52 45.1 | 47.8 47 | 44.6 44.7 | 48.2 48.8 | 47.2 47.5 | 46.8 49.2 | 49.7 51.9 | 47 48 |
| 0:15 | | 47.6 | 56.8 | 53,1 | 44.4 | 48.5 | 44.7 | 50,1 | 47.6 | 47.7 | 50.6 | 50. |
| 0:20 0:25 | | 46.2 47.3 | 44.4 45.1 | 50,3 51.3 | 46.8 50.6 | 49.6 46.8 | 45.1 | 50.3 | 47 | 47.8 | 47.7 | 51. |
| 0:30 | | 46.8 | 44.6 | 49.9 | 52.3 | 45,4 | 44 43.7 | 49.8 45.9 | 47,8 47.7 | 47.4 48.2 | 53.6 51,9 | 55. 50. |
| 0:35 0:40 | | 46.7 49.2 | 45.4 | 50 | 52.2 | 44.8 | 45.9 | 49.3 | 47.4 | 48.5 | 50.1 | 52. |
| 0:45 | | 49.2 | 49.9 47.2 | 48,7 48 | 50.6 50.1 | 43.6 43.4 | 42.5 42.8 | 49.7 49.6 | 48.3 47 | 48,2 62.5 | 51.3 57.6 | 49. 49. |
| 0:50 | | 45.5 | 45 | 48,4 | 49.6 | 47.9 | 43,1 | 48.7 | 46 | 58.9 | 53.2 | 47. |
| 0:55 1:00 | | 45,5 45.2 | 43.9 43.7 | 51.1 49.6 | 50.3 50.9 | 46,5 43.9 | 42.7 43.9 | 49 48.9 | 51.1 47.5 | 60.3 59.5 | 49.2 51.4 | 50, 46. |
| 1:05 | | 44.5 | 45.2 | 50.3 | 49.9 | 42.8 | 43.9 | 48.8 | 47.3 | 55,7 | 50,8 | 49. |
| 1:10 1:15 | | 45.9 46.6 | 43.6: 44.3 | 48.5 64,5 | 49.1 | 44.1 | 42.7 | 48.1 | 51.6 | 54.1 | 49.1 | 51. |
| 1:20 | | 44.4 | 43.7 | 46.5 | 4B 49 | 48.4 44.9 | 43.9 44.6 | 47.6 47.5 | 48.8 46.5 | 52.9 52.4 | 48 49.2 | 50, 47. |
| 1:25 | | 45.1 | 49.1 | 47.5 | 46.9 | 44.3 | 44 | 46.8 | 51.3 | 52,4 | 52,7 | 53. |
| 1:30 1:35 | | 45.5 44.6 | 49.7 48.4 | 44.9 45.6 | 45,9 44.9 | 43 43 | 43.1 44.3 | 44.4 | 50.2 48.2 | 51 51 | 48.6 47.1 | 51. 50. |
| 1:40 | | 45.3 | 49,3 | 45.5 | 45,6 | 44 | 43.2 | 42.8 | 46.7 | 50.1 | 52.9 | 51. |
| 1:45 1:50 | - | 45.8 44.6 | 49.3 48.5 | 45.7 45.4 | 44.1 | 43.8 | 43,3 | 43.5 | 45,9 | 49.2 | 54.7 | 57. |
| 1:55 | | 45.2 | 49 | 44.9 | 44.6 | 43.3 43.8 | 43.3 43.6 | 43.2 43.7 | 47.2 45.1 | 54 48.7 | 60 61.6 | 53. 49. |
| 2:00 | ٠ | 44.9 | 47.8 | 44.8 | 43.9 | 44.7 | 44.5 | 45.4 | 45.9 | 48.9 | 62.5 | 51. |
| 2:10 | - | 45.7 45.9 | 48.6 48.2 | 44.5 43.9 | 43.7 42.3 | 44.2 44.9 | 44,4 45.1 | 45.5 45.9 | 47.9 48.2 | 47.7 48 | 62.4 61.3 | 50, 49. |
| 2:15 | | 51.1 | 48.6 | 43.9 | 40.8 | 44.1 | 43.7 | 43.9 | 52.6 | 48.5 | 57,4 | 4 |
| 2:20 2:25 | - | 45.7 45.4 | 48.4 48.1 | 43.9 43.8 | 44.1 | 43.5 45.4 | 44.3 43.7 | 44,9 46,1 | 45.2 46.4 | 50.7 48,3 | 56.5 54.6 | 49. 52. |
| 2:30 | - | 45.9 | 47.7 | 43.3 | 40.5 | 43.4 | 43.2 | 44.2 | 46.2 | 46,3 | 55.6 | 48. |
| 2:35 2:40 | - | 46.4 44.6 | 50.5 48.4 | 43,6 42,8 | 45.8 44.6 | 43.4 | 43,4 | 44.2 | 45.2 | 47.4 | 53,6 | 47. |
| 2:45 | - | 44.5 | 49,4 | 43.6 | 42.3 | 43.9 43.6 | 44.1 | 45 44,2 | 46.6 45.4 | 47.5 47.6 | 51.8 50.4 | 52. 54. |
| 2:50 2:55 | • | 44.9 44.7 | 49.7 48.2 | 43.4 43.7 | 40.8 | 43.8 | 43.7 | 43.3 | 45.8 | 47.3 | 50.7 | 60 |
| 3:00 | | 45.9 | 48.5 | 44.3 | 41.7 | 44.5 43.3 | 44.1 43.1 | 43.9 42.6 | 45.7 47.1 | 47,7 | 49.9 49.5 | 61.6 62.5 |
| 3:05 | - | 45.7 | 50.4 | 43.5 | 40.9 | 42.9 | 43 | 43.7 | 45.8 | 50.8 | 49.3 | 62.4 |
| 3:10 3:15 | - | 45 47,9 | 49.7 49.7 | 42.4 42 | 40.8 40.8 | 44.4 45,8 | 43.5 43.5 | 43,3 43,9 | 45.6 46.1 | 50 48 | 48.8 46.9 | 61.3 57.4 |
| 3:20 | | 48.6 | 49.3 | 42.2 | 40.8 | 44.3 | 44.6 | 44.7 | 46.5 | 48,7 | 47.4 | 56.9 |
| 3:25 3:30 | | 48.6 48.3 | 49.4 50.2 | 42,1 | 43.3 | 43.7 43.1 | 44,9 | 44.2 43.5 | 46.2 46 | 49.3 48.5 | 47.3 48.2 | 54.6 55.6 |
| 3:35 | | 46,5 | 48,7 | 42.8 | 44.1 | 43,4 | 44.1 | 43.3 | 47.2 | 49.3 | 48.2 | 53.6 |
| 3:40 3:45 | | 48.8 48.9 | 48.5 48 | 43.6 46,3 | 44.3 46.9 | 44.2 | 44.2 | 44.1 | 48.5 | 49.5 | 49.5 | 51.8 |
| 3:50 | | 48.2 | 49.7 | 42.8 | 43.4 | 43.9 | 45 44.9 | 43.2 | 48.9 49.8 | 47.7 47.3 | 47.7 48,1 | 50,4 50,7 |
| 3:55 4:00 | _ | 46.1 46.9 | 48.4 | 42.4 | 45.2 | 43.3 | 44.8 | 43.5 | 48.7 | 46.8 | 50,7 | 49.9 |
| 4:05 | | 47.7 | 50 48.5 | 41.7 | 44 45,9 | 43.1 42.6 | 44.2 | 45.1 51.5 | 49.3 49.5 | 47.3 48.6 | 52.1 61.8 | 49.5 49.3 |
| 4:10 | | 46 | 49.1 | 40.5 | 44.2 | 42.3 | 44.4 | 44.6 | 48.3 | 49 | 59.4 | 48.8 |
| 4:15 4:20 | | 46.9 46.1 | 49.4 48.5 | 40.5 | 44.6 42.8 | 43.5 | 44.4 | 42.5 43.2 | 49.2 50.2 | 64.2 60 | 58.3 61 | 46.9 47.4 |
| 4:25 | | 44,9 | 46.6 | 39.6 | 42.2 | 42.1 | 45.2 | 42 | 49.1 | 61.5 | 61.8 | 47.3 |
| 4:30 4:35 | | 43.9 41.3 | 50.2 51.4 | 39.4 39.1 | 42.1 41.8 | 42.2 42.9 | 44.B 42.8 | 46.1 43,3 | 47.1 46.7 | 69.2 69.4 | 60.5 | 48.2 |
| 4:40 | | 41.9 | 46.4 | 39,4 | 46.6 | 42.8 | 42.3 | 40.6 | 46.7 | 67.9 | 58.3 56.9 | 49.5 |
| 4:45 4:50 | | 42.3 43.9 | 49.4 49.8 | 40.7 38.8 | 40,3 39,5 | 41.6 42.1 | 42.7 | 40.3 | 46.8 | 66.2 | 55.7 | 47.7 |
| 4;55 | | 41.5 | 46,6 | 39.1 | 39.5 | 39.7 | 42.4 | 39,3 | 46.6 46.6 | 64.9 61.4 | 54.8 53.4 | 48,1 50.7 |
| 5:00 5:05 | | 46,2 42.9 | 48,4 45,6 | 40,8 | 38.8 39.1 | 39.4 | 38.8 | 38,1 | 47.1 | 58.9 | 52.6 | 52.1 |
| 5:10 | • | 41.4 | 46.9 | 45 | 38.7 | 38.9 42.4 | 38.6 37.7 | 41.2 | 46,3 45 | 58.2 58.5 | 51.9 51.6 | 61.8 59.4 |
| 5:15 5:20 | • | 42.1 42.6 | 46.1 | 42.1 | 40.7 | 42.4 | 39.2 | 39 | 47.8 | 57.8 | 50.9 | 58.3 |
| 5:25 | | 41.8 | 46.4 | 36.3 38.1 | 38.7 38.9 | 41 | 37.7 38.7 | 38,3 38.9 | 43.8 43.5 | 58.4 58.9 | 51.1 54.6 | 61,E |
| 5:30 | | 41.9 | 45.7 | 37.7 | 40.3 | 45.1 | 40,4 | 37.4 | 44.2 | 59 | 51.5 | 60.5 |
| 5:35 5:40 | | 40.6 41.8 | 48.4 46.7 | 42.8 55 | 38.3 43.5 | 47.2 | 37 39.3 | 38 37.1 | 44,9 44 | 58 58.1 | 53.2 | 58.3 56.9 |
| 5:45 | | 42.2 | 45.3 | 41.5 | 43.8 | 47.7 | 36.5 | 44.7 | 43.5 | 58.1 57.9 | 54.1 52.4 | 56.9 55.7 |
| 5:50 5:55 | | 42.9 45.6 | 46.3 45.3 | 41.3 | 42.2 40.6 | 48 48,5 | 43.1 | 49.3 | 43.1 | 57.3 | 52,4 | 54,8 |
| 6:00 | | 40.9 | 45.8 | 40.3 | 44.2 | 50.7 | 49.2 43.6 | 50.3 50.9 | 41.8 41.6 | 57 57.1 | 52.1 50.2 | 53.4 52.6 |
| 6:05 6:10 | | 41.4 40.3 | 46,4 | 41,7 | 42.8 | 48.7 | 41.2 | 48.2 | 41.2 | 56.9 | 49.1 | 51.9 |
| 6:15 | | 49.3 | 47.6 46.3 | 40.8 40.5 | 39 40 | 48.9 48.3 | 43,4 43,2 | 46.4 44.8 | 43.2 42.5 | 56 55,8 | 50.1 52.4 | 51.6 50.9 |
| 6:20 6:25 | | 41.4 | 49.2 | 42.2 | 40.1 | 47.8 | 41.8 | 43.8 | 47,4 | 55.5 | 51.7 | 51,1 |
| 6:25 | | 42.8 41.1 | 46.9 46.4 | 44.4 | 39.6 | 47.6 47.3 | 51.7 46 | 39.6 40,6 | 47.4 | 55.7 | 52.4 | 54.6 |
| 6:35 | | 41.1 | 46 | 50.5 | 43.6 | 47.7 | 41.7 | 40.6 | 42.9 41.8 | 56.2 56.2 | 53.3 54 | 51.5 53.2 |
| 6:40 6:45 | | 45.5 47.4 | 47.6 51.9 | 51.3 50.8 | 43.9 | 47.4 | 48.7 | 43 | 50.5 | 57.2 | 53.3 | 54.1 |
| 6:50 | | 40.2 | 49.4 | 46,4 | 45.9 46.9 | 47.5 49 | 49 51.6 | 48.2 49 | 47 47.7 | 56,3 56,4 | 52.4 52 | 52.4 52.4 |
| 6:55 | | 41.1 | 48 | 49.9 | 44.2 | 50,8 | 51.5 | 48.2 | 45.1 | 56.9 | 57,4 | 52.1 |
| 23:00 23:05 | 49.5 49.4 | 49,4 51.8 | 48.6 45 | 47.3 46.6 | 49.9 49.7 | 45.5 45,2 | 70.4 49.4 | 48.6 49,2 | 51.7 | 49.6 | 48.3 | 51.3 |
| 23:10 | 51.6 | 51.3 | 47.8 | 44.9 | 49.8 | 45.1 | 49.4 | 49.2 | 51 54.8 | 47.2 48.8 | 56.5 49.6 | 44.9 46.4 |
| 23:15 23:20 | 51.3 49.4 | 49.4 46.8 | 51,9 | 45.2 | 51.1 | 45 | 54,8 | 48,5 | 53.5 | 50.1 | 50.1 | 45.7 |
| 23:25 | 45.3 | 46.8 46.7 | 50.4 55.4 | 48.4 46.2 | 49.1 | 61.4 52.6 | 49.4 | 48.2 48.4 | 51.6 52.1 | 51,6 | 49.7 | 45.7 |
| 23:30 | 47 | 45.3 | 50.7 | 46.4 | 48.1 | 57.1 | 45.1 | 47.7 | 50.4 | 55.5 50.3 | 50.2 50.8 | 52.1 45.9 |
| 23:35 | 49.4 49.8 | 47 | 50.6 49.1 | 45.4 | 47.4 | 53.8 | 48.3 | 48.4 | 50 | 52.1 | 49.4 | 51.3 |
| | | | 49.1 | 45 44.2 | 48,1 50 | 54 49.3 | 45.2 | 48.4 | 49,6 | 49.5 | 52.3 | 48,2 46,2 |
| 23:40 23:45 | 46.7 | 46.2 | 48.51 | 44.21 | | | | | | | | |
| 23:40 23:45 23:50 | 46.2 | 48.4 | 53.2 | 43.9 | 48.7 | 49.7 | 44.6 46.6 | 48,4 53.1 | 49.6 49.2 | 49.4 47.8 | 47.1 50.1 | 51.5 |
| 23:40 23:45 23:50 23:55 | 46.2 46.4 | 48.4 46.4 | 53.2 49.7 | 43.9 44.1 | 48.7 48.8 | 49.7 48.3 | 46.6 50.5 | 53.1 49.1 | 49.2 48.5 | 47,8 50.3 | 50.1 50.3 | 51.5 44.4 |
| 23:40 23:45 23:50 | 46.2 | 48.4 | 53.2 | 43.9 | 48.7 | 49.7 | 46.6 | 53.1 | 49.2 | 47.8 | 50.1 | 51.5 |

[1] Baseline monitoring at N2 started at 14:30 on 5 Oct 2007 to 17:00 on 19 Oct 2007

Location: N2 - No. 31, Village House, Ling Tsui Tau Tsuen Holiday: Baseline Noise Monitoring Results

| <u> </u> | | Log (Emin) | |
|--------------|--------------|--------------------------|--------------|
| Time | 07-Oct-07 | Leq, (5min) 14-Oct-07 | 19-Oct-07 |
| 0:00 | 46.8 | 49.4 | |
| 0:05 | 46.7 | 49.8 | 43.1 |
| 0:10 | 60,2 | 49.3 | 42.8 |
| 0:15 | 46.5 | 53.1 | 42,4 |
| 0:20 | 46.7 | 49 | 67.4 |
| 0:25 0:30 | 47.6 47.2 | 52.7 50.6 | 61.9 42.1 |
| 0:35 | 46.3 | 49.1 | 41.9 |
| 0:40 | 45 | 52.9 | 41.3 |
| 0:45 | 45.5 | 50.3 | 42.4 |
| 0:50 | 45.5 | 50.9 | 41.5 |
| 0:55 | 46.2 | 49.4 | 41.7 |
| 1:00 1:05 | 45.5 45.5 | 47.8 50.6 | 41.9 42.2 |
| 1:10 | 44.9 | 50.6 | 61.5 |
| 1:15 | 45.9 | 50.3 | 65 |
| 1:20 | 46.2 | 51.7 | 61.8 |
| 1:25 | 44.4 | 51,8 | 55,9 |
| 1:30 | 44.9 | 48.6 | 49.7 |
| 1:35 | 45.3 | 46.6 | 43,3 |
| 1:40 | 45.1 | 47.2 | 44 |
| 1:45 1:50 | 44.5 45.2 | 50.9 48.4 | 45 43 |
| 1:55 | 45.2 | 49.4 | 42.4 |
| 2:00 | 45.4 | 47.9 | 47 |
| 2:05 | 44.6 | 47 | 41.7 |
| 2:10 | 45.7 | 46.4 | 42 |
| 2:15 | 45.6 | 46.4 | 40.5 |
| 2:20 2:25 | 51.1 45,5 | 46.2 45,9 | 40.6 40.1 |
| 2:30 | 46.4 | 45.9 | 40.1 |
| 2:35 | 44.6 | 45.8 | 48,1 |
| 2:40 | 44.8 | 46.2 | 43 |
| 2:45 | 44.9 | 47.2 | 40,3 |
| 2:50 | 44.7 | 46.1 | 40.3 |
| 2:55 3:00 | 45.1 45.7 | 48.4 46.3 | 40.4 40.4 |
| 3:05 | 45.7 | 46.3 | 40.4 |
| 3:10 | 47 | 45.7 | 40.5 |
| 3:15 | 48.8 | 45.9 | 41.2 |
| 3:20 | 48.4 | 46.4 | 40.3 |
| 3:25 | 48.6 | 46.5 | 40.3 |
| 3:30 3:35 | 48.5 48.3 | 46.5 46.7 | 41.1 40.6 |
| 3:40 | 48.1 | 46.1 | 41.1 |
| 3:45 | 48.2 | 46.4 | 44.7 |
| 3:50 | 46.1 | 46.5 | 40.5 |
| 3:55 | 46.7 | 47.9 | 40.8 |
| 4:00 | 47.7 | 47.1 | 43.8 |
| 4:05 | 46 | 47.6 | 42.4 |
| 4:10 4:15 | 46.7 46.1 | 48.6 47.9 | 39.3 39.1 |
| 4:15 | 46.1 | 47.9 | 39.1 |
| 4:25 | 42.9 | 47.8 | 39.9 |
| 4:30 | 44.4 | 48.3 | 39.1 |
| 4:35 | 43.9 | 47.6 | 39.6 |
| 4:40 | 41.3 | 46.7 | 39.5 |
| 4:45 | 41.5 | 47.2 | 38.8 |
| 4:50 4:55 | 42.3 43.9 | 44.7 44.1 | 39 39 |
| 5:00 | 41.9 | 45.5 | 40.1 |
| 5:05 | 41.4 | 44.3 | 39.5 |
| 5:10 | 42.1 | 47.4 | 39.4 |
| 5:15 | 42 | 45.2 | 39.8 |
| 5:20 | 41.5 | 45 | 39 |
| 5:25 | 41.9 | 46.8 | 41.3 |
| 5:30 | 40.3 | 47.9 | 40.6 |
| 5:35 5:40 | 40.3 41.2 | 46.5 42.8 | 39.5 39.8 |
| 5:45 | 41.9 | 42.8 | 39.7 |
| 5:50 | 42.2 | 45.8 | 40.9 |
| 5:55 | 42 | 49.4 | 49.5 |
| 6:00 | 56.6 | 49.7 | 41.6 |
| 6:05 | 40.9 | 47.9 | 43.8 |

<u>Location: N2 - No. 31, Village House, Ling Tsul Tau Tsuen</u> <u>Holiday: Baseline Noise Monitoring Results</u>

| 6:40 | 45.4 | Leq, (5min) | 44.0 |
|----------------|--------------|--------------|--------------|
| 6:10 6:15 | 41.4 41.4 | 46.4 44.4 | 41.9 40.6 |
| 6:20 | 42.8 | 44.8 | 45.7 |
| 6:25 | 41.1 | 47.8 | 45.8 |
| 6:30 | 40.2 | 49.5 | 44.6 |
| 6:35 | 41.1 | 49.2 | 41.9 |
| 6:40 | 41.1 | 49.7 | 43.1 |
| 6:45 | 45.5 | 48.8 | 48 |
| 6:50 | 47.4 | 48.9 | 48.9 |
| 6:55 7:00 | 50.5 49.5 | 46.7 48.4 | 45.7 46.3 |
| 7:05 | 50.4 | 50.7 | 54.6 |
| 7:10 | 44 | 49 | 58,6 |
| 7:15 | 42.6 | 46,8 | 43.7 |
| 7:20 | 56.4 | 49.7 | 43.9 |
| 7:25 | 49.6 | 51.1 | 48.2 |
| 7:30 | 54.8 | 53,5 | 57.4 |
| 7:35 | 51.2 | 54.7 | 56,9 |
| 7:40 7:45 | 47.7 42.8 | 54.9 55.6 | 46.9 59.2 |
| 7:50 | 43.1 | 51.9 | 53.8 |
| 7:55 | 43 | 58 | 44.5 |
| 8:00 | 50.5 | 54.3 | 46.5 |
| 8:05 | 51.9 | 48.9 | 45.6 |
| 8:10 | 50.3 | 52.2 | 44.7 |
| 8:15 | 53.3 | 48.8 | 51.4 |
| 8:20 8:25 | 53.4 51.2 | 50.5 51.6 | 50.6 51.8 |
| 8:30 | 50.3 | 51.7 | 51.5 |
| 8:35 | 50.8 | 51.8 | 51,9 |
| 8:40 | 50.9 | 51.9 | 54.2 |
| 8:45 | 48.5 | 51.2 | 51,8 |
| 8:50 | 48.3 | 52.6 | 51.5 |
| 8:55 | 50.6 | 51.8 | 52 |
| 9:00 9:05 | 50.9 54.4 | 53.5 52.5 | 51,1 49.9 |
| 9:10 | 54.2 | 53.2 | 50.1 |
| 9:15 | 50,6 | 51.8 | 50.4 |
| 9:20 | 50.7 | 51.7 | 49.3 |
| 9:25 | 54.2 | 51.9 | 49.4 |
| 9:30 9:35 | 50.4 49.3 | 52.5 52.5 | 47.2 52.1 |
| 9:40 | 51.1 | 51.8 | 52.1 |
| 9:45 | 47.6 | 51.2 | 50.7 |
| 9:50 | 51.7 | 51.2 | 51.9 |
| 9:55 | 48.7 | 53.9 | 48.2 |
| 10:00 | 50.1 | 50.9 | 52.1 |
| 10:05 | 50.9 | 51.2 | 52.7 |
| 10:10 10:15 | [1] 49.6 | 51.5 [1] | 49.1 51.9 |
| 10:20 | 47 | 51 | 53.2 |
| 10:25 | 48.7 | 56.1 | 53.5 |
| 10:30 | 50.1 | 57.1 | 56.5 |
| 10:35 | 52.6 | 49.3 | 57.3 |
| 10:40 | 55 | 50.5 | 51.8 |
| 10:45 10:50 | 51.1 49.4 | 50 49.8 | 50.5 51.9 |
| 10:55 | 52.5 | 49.9 | 52.8 |
| 11:00 | 48 | 51.4 | 52 |
| 11:05 | 54 | 52.4 | 51.5 |
| 11:10 | 49.9 | 51.8 | 52 |
| 11:15 | 52.8 | 53.2 | 51 |
| 11:20 | 49.7 | 51.1 | 51.8 |
| 11:25 11:30 | 50.8 48.8 | 51.5 53.7 | 53.3 52,7 |
| 11:35 | 48.2 | 51.9 | 47.4 |
| 11:40 | 49.6 | 56.4 | 51.3 |
| 11:45 | 53.8 | 54.8 | 50,9 |
| 11:50 | 54.3 | 52.5 | 50.2 |
| 11:55 | 52.1 | 52.3 | 48.2 |
| 12:00 | 50.9 | 51.3 | 51.8 |
| 12:05 | 50,5 | 51.8 | 51.4 |
| 12:10 12:15 | 48.5 52.1 | 51.1 | 51 |
| 12:15 | 52.1 54.8 | 55.9 52.2 | 50 51 |
| 12.20 | 34.6 | 32.2 | 2,1 |

Location: N2 - No. 31, Village House, Ling Tsui Tau Tsuen Holiday: Baseline Noise Monitoring Results

| | | Leq, (5min) | · · · · · · · · · · · · · · · · · · · |
|----------------|--------------|--------------|---------------------------------------|
| 12:25 | 47.5 | 55.5 | 49.8 |
| 12:30 | 48.1 | 51.4 51.4 | 50.4 47 |
| 12:35 12:40 | 47.5 49 | 51.4 | 61.3 |
| 12:45 | 48.6 | 50.5 | 62,9 |
| 12:50 | 51.9 | 52,5 | 63,5 |
| 12:55 | 50.3 | 51,6 | 62,7 |
| 13:00 | 50.2 | 50.3 | 55.6 |
| 13:05 | 50.2 | 48.8 | 48.5 |
| 13:10 | 48.7 | 44.8 | 51.8 |
| 13:15 | 48.6 | 52.8 | 50.7 |
| 13:20 | 52.7 | 50.1 | 46.8 |
| 13:25 | 60.1 | 52.1 | 44.6 |
| 13:30 | 47 | 49.7 | 47.2 |
| 13:35 13:40 | 50 47,3 | 52 51.2 | 44.1 50.4 |
| 13:45 | 51.1 | 49.2 | 48.3 |
| 13:50 | 52.8 | 50.5 | 50 |
| 13:55 | 46.1 | 49.9 | 55.9 |
| 14:00 | 44.1 | 48.3 | 47.9 |
| 14:05 | 45.6 | 50.1 | 49 |
| 14:10 | 47.9 | 51.3 | 46.8 |
| 14:15 | 49.8 | 54.4 | 51.4 |
| 14:20 | 47.3 | 53,6 | 59.8 |
| 14:25 | 47 | 50.9 | - |
| 14:30 | 46.8 | 50.8 | 53.3 |
| 14:35 14:40 | 47.3 47.5 | 51.3 47.4 | 51.5 52.1 |
| 14:45 | 48.2 | 50.6 | 49.7 |
| 14:50 | 54 | 50.4 | 44.4 |
| 14:55 | 47.7 | 47.4 | 47.8 |
| 15:00 | 50.8 | 46 | 48.5 |
| 15:05 | 48.1 | 40,6 | 47 |
| 15:10 | 47.5 | 45 | 48.7 |
| 15:15 | 48.4 | 47.7 | 47.5 |
| 15:20 | 54.4 | 46.3 | 47 |
| 15:25 15:30 | 56.9 50.8 | 41.6 47.7 | 47 48.7 |
| 15:35 | 48.2 | 46.3 | 46.8 |
| 15:40 | 51.1 | 50.2 | 47.2 |
| 15:45 | 48.6 | 40.4 | 43.9 |
| 15:50 | 46.6 | 44.3 | 45.8 |
| 15:55 | 51.5 | 45 | 46.3 |
| 16:00 | 46.6 | 46.5 | 49 |
| 16:05 | 47.7 | 49.3 | 46 |
| 16:10 | 48.1 | 48.3 | 46.2 |
| 16:15 | 46.1 44.7 | 47.1 | 45.5 48.8 |
| 16:25 | 44.2 | 45.5 51 | 49.7 |
| 16:30 | 46.9 | 48.2 | 52.9 |
| 16:35 | 50.7 | 44.8 | 48 |
| 16:40 | 48.2 | 46.3 | 48.9 |
| 16:45 | 50.8 | 43.8 | 45.6 |
| 16:50 | 50.4 | 45.6 | 48.8 |
| 16:55 | 49.5 | 48.1 | 51 |
| 17:00 | 50.1 | 52 | |
| 17:05 17:10 | 49.8 47.6 | 51.4 49.1 | - |
| 17:15 | 50.9 | 54.9 | |
| 17:10 | 48.6 | 51.6 | |
| 17:25 | 47.8 | 43.8 | |
| 17:30 | 50.3 | 43.5 | |
| 17:35 | 54.6 | 45.8 | - |
| 17:40 | 50.2 | 47.7 | |
| 17:45 | 49.6 | 45.1 | |
| 17:50 | 49.6 | 51.3 | • |
| 17:55 | 51.9 | 43.4 | |
| 18:00 | 52.9 | 44.7 | - |
| 18:05 18:10 | 52.2 | 44.6 | |
| 18:10 | 51.9 52 | 49.6 49.6 | |
| 18:20 | 51.9 | 52.4 | |
| 18:25 | 51.8 | 52.6 | - |
| 18:30 | 50.8 | 52.9 | _ |
| 18:35 | 50.6 | 52.9 | |
| | | | |

<u>Location: N2 - No. 31, Village House, Ling Tsui Tau Tsuen</u> <u>Holiday: Baseline Noise Monitoring Results</u>

| 20:25 56.7 54.1 20:30 54 51.8 20:35 53.9 50.8 20:40 52.5 49.5 20:45 50.7 48.7 20:50 53.3 48.7 20:55 50.7 55.8 21:00 50.6 50.5 21:10 48.4 49.3 21:15 51.3 49.6 21:20 51.6 49.6 21:30 50.9 49.9 21:30 50.9 49.9 21:31 51.7 50.3 21:40 52.3 54.5 21:40 52.3 54.5 21:55 51.6 48.2 21:55 51.6 48.2 22:00 52.1 49.9 22:00 52.1 49.9 22:10 51.1 48.9 22:21 50.4 48.1 22:22 48.5 54.7 22:25 47.3 52 22:25 47.3 52 22:26 43.5 47.5 22:27 44.1 48.2 22:28 48.7 50.4 22:29 48.8 54.7 50.4 22:40 44.1 48.2 22:40 44.1 48.2 22:40 44.1 48.2 22:40 44.1 48.2 22:40 44.1 48.2 22:40 44.1 48.2 22:40 44.1 48.2 22:40 44.1 48.2 22:40 44.1 48.2 22:40 44.1 48.2 22:45 43.5 47.5 22:46 43.5 47.5 22:55 51 59.5 23:00 48.3 46.2 23:10 48.3 48.5 23:10 48.3 48.5 23:10 48.3 48.5 23:20 50.2 53 23:30 48.5 49.5 23:40 51.3 47.2 23:40 51.3 47.2 23:40 51.3 47.2 23:40 51.3 47.2 23:40 51.3 47.2 23:40 51.3 47.2 23:40 51.3 47.2 23:40 51.3 47.2 23:55 46.1 48.8 40erage 48.7 49.6 47.6 | Hollday , Basi | enne Noise Mo | | - |
|--|----------------|---------------|-------|--------------|
| 18:45 | | | | |
| 18:50 51.8 53.6 18:55 50.9 52.7 19:00 49.2 52.8 19:05 47.8 50.9 19:10 52.2 51.4 19:10 52.2 51.4 19:15 51.3 55.8 19:20 53.1 51.8 19:20 53.1 51.8 19:25 51 50.7 19:30 49.7 62.2 19:35 52.2 51.7 19:30 49.7 62.2 19:35 52.2 51 19:45 52.3 19:45 52.1 52.3 19:45 52.1 52.3 19:50 50.6 50.8 19:55 51.1 49.2 20:00 54.7 48.5 20:00 54.7 48.5 20:00 54.7 48.6 20:20 58.4 53.1 20:25 56.7 54.1 20:30 53.9 50.8 20:40 52.5 49.5 20:46 50.7 48.7 20:55 50.7 55.8 21:00 50.6 50.8 20:46 50.7 48.7 20:55 50.7 55.8 21:00 50.6 50.8 20:46 50.7 48.7 20:55 50.7 55.8 21:00 50.6 50.5 21:10 48.4 49.3 21:16 51.3 49.6 21:20 51.6 49.6 21:20 51.6 49.6 21:20 51.6 49.6 21:20 51.6 49.6 21:20 51.6 49.6 21:20 51.6 49.6 21:20 51.6 49.6 21:20 51.6 49.6 21:20 51.6 49.6 21:20 51.6 49.6 21:20 51.6 49.8 21:20 51.6 49.8 21:20 51.6 49.9 21:35 51.7 50.3 21:40 52.3 54.5 51.7 50.3 21:40 52.3 54.5 51.7 50.3 21:40 52.3 54.5 51.7 50.3 21:40 52.3 54.5 51.7 50.3 21:40 52.3 54.5 51.7 50.3 21:40 52.3 54.5 51.7 50.3 21:40 52.3 54.5 51.7 50.3 21:40 52.3 54.5 51.7 50.3 21:40 52.3 54.5 51.7 50.3 21:40 52.3 54.5 51.7 50.3 21:40 52.3 54.5 51.7 50.3 21:40 52.3 54.5 51.7 50.3 21:40 52.3 54.5 51.7 50.3 21:44 52.4 52.7 50.9 50.5 51.3 48.5 51.7 50.3 21:40 52.3 54.5 51.7 50.3 21:40 52.2 55.5 51.6 48.2 22:20 55.5 51.6 48.2 22:20 55.5 51.6 48.2 22:20 55.5 51.6 48.2 22:20 55.5 51.6 48.2 22:20 55.5 51.8 48.5 51.7 50.3 22:20 55.5 51.6 48.2 22:20 55.5 51.6 48.2 22:20 55.5 51.5 50.4 48.1 48.8 51.2 22:25 51.5 50.4 48.5 51.5 50.4 48.5 51.5 50.4 48.5 51.5 50.4 48.5 51.5 50.4 48.5 51.5 50.4 48.5 51.5 50.4 48.5 51.5 | | | | - |
| 18:55 | | | | <u> </u> |
| 19:00 | | | | - |
| 19:05 | | | | - |
| 19:10 | | | | - |
| 19:15 | | | | - |
| 19:20 53.1 51.8 19:25 51 50.7 19:30 49.7 62.2 19:35 52.2 51 19:40 50.7 51.7 19:45 52.1 52.3 19:50 50.6 50.8 19:55 51.1 49.2 20:00 54.7 48.5 20:05 51.2 45.2 20:10 56.9 45.9 20:15 53.7 48.6 20:20 58.4 53.1 20:25 56.7 54.1 20:30 54 51.8 20:35 53.9 50.8 20:40 52.5 49.5 20:40 52.5 50.7 56.8 20:40 52.5 50.7 56.8 20:40 52.5 50.7 56.8 20:40 52.5 50.7 56.8 20:40 52.5 50.7 56.8 20:40 52.5 50.7 56.8 20:40 52.5 50.7 56.8 20:40 52.5 50.7 56.8 20:40 52.5 50.7 56.8 20:40 52.5 50.7 56.8 20:40 52.5 50.7 56.8 20:40 52.5 50.7 56.8 20:40 52.5 50.7 56.8 20:40 50.5 50.9 50.5 21:05 50.9 50.5 21:05 50.9 50.5 21:10 48.4 49.3 21:15 51.3 49.6 21:25 51 50.3 21:35 51.7 50.3 21:40 52.3 54.5 21:40 52.3 54.5 21:40 52.3 54.5 21:40 52.3 54.5 21:40 52.3 54.5 21:40 52.3 54.5 21:40 52.3 54.5 21:40 52.3 54.5 21:40 52.3 54.5 21:40 52.3 54.5 21:40 52.3 54.5 21:40 52.3 54.5 21:40 52.3 54.5 22:20 52:00 52.1 49.9 22:05 52 53.3 22:10 51.1 48.9 22:21 55.1 50.4 48.1 22:22 48.5 54.7 22:25 51 50.4 48.1 22:22 48.5 54.7 22:25 51 50.4 48.1 22:20 48.5 54.7 22:25 51 50.4 48.1 22:20 48.5 54.7 22:25 51 50.4 48.1 22:20 51.8 22:35 48.7 50.4 48.1 22:20 51.8 22:35 48.7 50.4 48.1 22:20 51.8 22:35 48.7 50.4 48.1 22:20 51.5 51.8 22:35 48.7 50.4 48.1 22:20 51.5 51.8 22:35 48.7 50.4 48.1 22:25 51 51.5 51.5 51.5 51.5 51.5 51.5 51.5 | | | | _ |
| 19:25 51 50.7 19:30 49.7 62.2 51 19:30 52.2 51 19:40 50.7 51.7 19:45 52.1 52.3 19:50 50.6 50.8 19:55 51.1 49.2 20:00 54.7 48.5 20:00 54.7 48.5 20:00 54.7 48.5 20:00 54.7 48.5 20:00 54.7 48.5 20:05 51.2 45.2 20:10 56.9 45.9 20:15 53.7 48.6 20:25 56.7 54.1 20:30 54 51.8 20:35 53.9 50.8 20:40 52.5 49.5 20:40 52.5 49.5 20:40 52.5 49.5 20:40 50.5 50.7 56.8 20:40 50.5 50.7 56.8 21:00 50.6 50.5 21:00 50.6 50.5 21:00 50.6 50.5 21:00 50.9 50.5 21:10 48.4 49.3 21:15 51.3 49.6 21:25 51 50.3 21:30 50.9 49.9 21:35 51.7 50.3 21:40 52.3 54.5 54.5 21:40 52.3 54.5 54.5 21:40 52.3 54.5 54.5 21:40 52.3 54.5 54.5 21:40 52.3 54.5 54.5 21:40 52.3 54.5 54.5 54.7 22:25 55.5 51.5 54.6 48.1 22:25 55.5 51.5 54.6 48.1 22:25 55.5 51.5 54.6 48.1 22:25 55.5 51.5 54.6 47.6 22:25 55.5 51.5 54.6 47.6 22:25 55.5 51.5 54.6 47.6 22:25 55.5 51.5 54.6 47.6 22:25 55.5 51.5 54.6 47.6 52.3 52:25 51.5 54.6 47.6 52.3 52:25 54.5 54.5 47.7 47.8 52:25 54.5 54.5 47.7 47.8 52:25 54.5 54.5 47.7 47.8 52:25 54.5 54.5 47.7 47.8 52:25 54.5 54.5 47.7 47.8 52:25 54.5 54.5 47.7 47.8 52:25 54.5 54.5 47.7 47.8 52:25 54.5 44.7 44.0 44.2 44.4 44.0 44.0 44.0 44.0 44.0 | | | | |
| 19:30 | | | | |
| 19:35 | | | | - |
| 19:45 | 19:35 | 52.2 | | - |
| 19:50 | 19:40 | 50.7 | 51.7 | - |
| 19:55 | 19:45 | 52.1 | 52.3 | - |
| 20:00 54.7 48.5 20:05 51.2 45.2 20:10 56.9 45.9 20:15 53.7 48.6 20:20 58.4 53.1 20:25 56.7 54.1 20:30 54 51.8 20:35 53.9 50.8 20:40 52.5 49.5 20:45 50.7 48.7 20:50 53.3 48.7 20:50 53.3 48.7 20:50 53.3 48.7 20:55 50.7 55.8 21:00 50.6 50.5 21:05 50.9 50.5 21:10 48.4 49.3 21:15 51.3 49.6 21:25 51 50.3 21:30 50.9 49.9 21:25 51, 50.3 21:30 50.9 49.9 21:35 51, 50.3 21:40 52.3 54.6 21:40 52.3 54.6 21:40 52.3 54.6 21:55 51.6 48.2 21:55 51.6 48.2 21:55 51.6 48.2 21:55 51.6 48.2 21:55 51.1 48.9 22:20 52:5 47.3 52 22:20 54.6 50.4 48.1 22:20 48.5 54.7 22:25 51 50.4 48.1 22:20 48.5 54.7 22:25 51 59.5 22:30 46.5 51.8 22:35 51 59.5 22:30 46.5 51.8 22:35 51 59.5 22:30 46.5 51.8 22:25 51 59.5 22:30 46.5 51.8 22:25 51 59.5 23:20 50.2 53 23:25 51.5 48.3 23:30 48.3 46.2 22:45 43.5 47.5 22:25 51 59.5 23:20 50.2 53 23:25 51.5 48.3 23:30 48.5 47.5 23:30 48.5 47.5 23:30 48.5 47.5 23:30 48.5 47.6 23:30 50.8 49.9 23:35 47.7 47.8 23:40 51.3 47.2 23:45 47.6 50.8 23:55 46.1 48.8 23:55 47.7 47.8 23:40 51.3 47.2 23:45 47.6 50.8 23:55 46.1 48.8 Average 48.7 49.6 47.6 Max 60.2 62.2 67.4 Min 40.2 40.4 38.8 | | | 50,8 | - |
| 20:05 51.2 45.2 20:10 56.9 45.9 20:15 53.7 48.6 20:20 58.4 53.1 20:25 56.7 54.1 20:30 54 51.8 20:35 53.9 50.8 20:40 52.5 49.5 20:45 50.7 48.7 20:50 53.3 48.7 20:55 50.7 55.8 21:00 50.6 50.5 21:00 50.6 50.5 21:10 48.4 49.3 21:15 51.3 49.6 21:25 51 50.3 21:30 50.9 49.9 21:35 51.7 50.3 21:40 52.3 54.5 21:40 52.3 54.5 21:40 52.3 54.5 21:40 52.3 54.5 21:40 52.3 54.5 22:20 51.6 48.2 22:20 52:5 51.1 48.9 22:25 51.1 59.5 51.1 48.9 22:25 51.1 59.5 51.1 48.9 22:25 51.1 59.5 5 | | | | - |
| 20:10 56.9 45.9 20:15 53.7 48.6 20:20 58.4 53.1 20:25 56.7 54.1 20:30 54 51.8 20:35 53.9 50.8 20:40 52.5 49.5 20:45 50.7 48.7 20:50 53.3 48.7 20:55 50.7 55.8 21:00 50.6 50.5 21:00 50.6 50.5 21:10 48.4 49.3 21:15 51.3 49.6 21:25 51 50.3 21:30 50.9 49.9 21:35 51.7 50.3 21:40 52.3 54.6 21:40 52.3 54.6 21:40 52.3 54.6 21:55 51.6 48.2 21:55 51.6 48.2 21:55 51.6 48.2 22:00 52.1 49.9 22:05 52 53.3 22:10 51.1 48.9 22:05 52 53.3 52.1 48.9 22:05 52 53.3 52.1 48.9 22:05 52 53.3 52.1 50.3 22:10 51.1 48.9 22:20 48.5 54.7 52.2 22:20 48.5 54.7 50.4 22:25 47.3 52 22:20 48.5 54.7 50.4 22:25 47.3 52 22:30 46.5 51.8 48.1 22:26 48.1 48.2 22:27 48.5 54.7 50.4 22:28 48.7 50.4 48.1 22:29 48.5 54.7 50.4 22:46 43.5 47.5 50.4 22:45 43.5 47.5 50.4 22:46 44.1 48.2 22:46 43.5 47.5 50.4 22:47 44.1 48.2 22:48 43.5 47.5 50.4 22:49 44.1 48.2 22:40 44.1 48.2 22:45 43.5 47.5 50.4 22:46 43.5 47.5 50.4 22:35 51.5 50.6 48.1 23:30 48.3 48.5 50.2 23:30 48.5 47.5 50.4 23:30 50.9 50.2 53 23:25 51.5 48.3 50.8 23:30 48.5 47.6 50.8 23:30 48.5 47.6 50.8 23:30 48.5 47.6 50.8 23:35 47.7 47.8 50.8 23:36 47.7 47.8 50.8 23:35 47.7 47.8 50.8 23:35 47.7 47.8 50.8 23:35 47.7 47.8 50.8 23:35 47.7 47.8 50.8 23:35 48.7 49.8 47.6 23:40 51.3 47.2 50.8 23:55 46.1 48.8 24:49.8 47.6 23:40 48.7 49.8 47.6 23:40 48.7 49.8 47.6 23:40 51.3 47.2 50.8 23:40 51.3 47.2 50.8 23:40 51.3 47.2 50.8 23:40 60.2 62.2 67.4 23:45 48.7 49.8 47.6 23:40 48.7 49.8 47.6 23:40 51.3 47.2 50.8 23:40 51.3 47.2 50.8 23:40 60.2 62.2 67.4 23:45 48.7 49.8 47.6 23:40 48.7 49.8 47.6 23:40 48.7 49.8 47.6 23:40 48.7 49.8 47.6 23:40 48.7 49.8 47.6 23:40 48.7 49.8 47.6 | | | | - |
| 20:15 | | | | - |
| 20:20 | | | | - |
| 20:25 | | | | - |
| 20:30 54 51.8 20:35 53.9 50.8 20:40 52.5 49.5 20:45 50.7 48.7 20:50 53.3 48.7 20:55 50.7 55.8 21:00 50.6 50.5 21:05 50.9 50.5 21:10 48.4 49.3 21:15 51.3 49.6 21:25 51 50.9 21:35 51.7 50.3 21:30 50.9 49.9 21:35 51.7 50.3 21:40 52.3 54.5 21:40 52.3 54.5 21:50 51.3 48.5 21:55 51.6 48.2 22:00 52.1 49.9 22:25 51.5 48.9 22:20 52:20 52:10 51.1 48.9 22:20 52:20 52:10 51.1 48.9 22:20 52:20 48.5 54.7 22:25 47.3 52 22:20 48.5 54.7 22:25 51 50.4 48.1 22:20 48.5 54.7 22:25 51 50.4 48.1 22:20 48.5 54.7 22:25 51 50.4 48.1 22:20 48.5 54.7 22:25 47.3 52 22:30 46.5 51.8 22:35 48.7 50.4 48.1 22:240 44.1 48.2 22:45 43.5 47.5 22:40 44.1 48.2 22:45 43.5 47.5 22:30 48.3 46.2 23:30 48.3 46.2 23:30 48.3 46.2 23:30 48.3 46.2 23:30 48.3 46.2 23:30 48.3 46.2 23:30 48.3 46.2 23:30 48.3 46.2 23:30 48.3 48.5 23:30 48.3 48.5 23:30 48.5 47.6 48.1 23:30 48.3 48.5 23:30 48.5 47.6 48.1 23:30 48.3 48.5 23:30 48.5 47.6 48.1 23:30 48.3 48.5 23:30 48.5 47.6 48.1 23:30 48.3 46.2 23:35 54.6 47.6 52:320 50.2 53 23:26 51.5 48.3 47.2 23:26 51.5 48.3 47.2 23:26 51.5 48.3 47.2 23:26 51.5 48.3 47.2 23:26 51.5 48.8 50.8 23:35 47.7 47.8 23:346 47.6 50.8 47.9 23:355 46.1 48.8 48.8 40.2 23:355 46.1 48.8 4.8 40.2 40.4 40.4 38.8 40.2 40.4 40.4 38.8 | | | | - |
| 20:35 | | | | |
| 20:40 52.5 49.5 20:45 50.7 48.7 20:50 53.3 48.7 20:55 50.7 55.8 21:00 50.6 50.5 21:05 50.9 50.5 21:10 48.4 49.3 21:15 51.3 49.6 21:25 51 50.9 49.9 21:35 51.7 50.3 21:40 52.3 54.5 21:40 52.3 54.5 21:55 51.3 48.5 21:55 51.3 48.5 22:00 51.6 48.2 22:00 52.1 49.9 22:05 52.1 49.9 22:05 52.1 49.9 22:05 52.1 49.9 22:05 52.1 49.9 22:05 52.1 49.9 22:05 52.1 49.9 22:05 52.1 49.9 22:05 52.1 48.5 22:10 51.1 48.9 22:15 50.4 48.1 22:20 48.5 54.7 22:25 47.3 52 22:30 46.5 51.8 22:35 48.7 50.4 22:40 44.1 48.2 22:40 44.1 48.2 22:45 43.5 47.5 22:50 44 46.7 22:55 51.5 51.6 48.1 22:25 47.3 52 22:30 48.3 48.5 22:35 48.7 50.4 22:40 44.1 48.2 22:45 43.5 47.5 22:55 51.5 51.5 59.5 23:30 48.3 46.2 23:35 47.6 48.1 23:10 48.3 48.5 23:10 48.3 48.5 23:10 48.3 48.5 23:10 50.2 53 23:25 51.5 48.3 48.5 23:30 48.5 47.6 48.1 23:30 48.5 47.6 23:20 50.2 53 23:25 51.5 48.3 47.2 23:20 50.2 53 23:25 51.5 48.3 47.2 23:20 50.2 53 23:25 51.5 48.3 47.2 23:20 50.2 53 23:25 51.5 48.3 47.2 23:20 50.2 53 23:25 51.5 48.3 47.2 23:20 50.2 53 23:25 51.5 48.3 47.2 23:20 50.2 53 23:25 51.5 48.3 47.2 23:20 50.2 53 23:25 51.5 48.3 47.2 23:20 50.2 53 23:25 51.5 48.3 47.2 23:25 51.5 48 | | | | |
| 20:45 50.7 48.7 20:50 53.3 48.7 20:55 50.7 55.8 21:00 50.6 50.5 21:05 50.9 50.5 21:10 48.4 49.3 21:15 51.3 49.6 21:20 51.6 49.6 21:25 51 50.3 21:30 50.9 49.9 21:35 51.7 50.3 21:40 52.3 54.5 21:55 51.6 48.5 21:55 51.6 48.2 22:00 55.1 48.5 21:55 51.6 48.2 22:00 52.1 49.9 22:05 52 53.3 22:10 51.1 48.9 22:15 50.4 48.1 - 22:20 48.5 54.7 22:25 47.3 52 22:30 46.5 51.8 22:35 48.7 50.4 22:46 43.5 47.5 22:55 51 59.5 23:00 48.3 46.2 22:40 44.1 48.2 22:45 43.5 47.5 22:55 51 59.5 23:00 48.3 46.2 23:05 47.6 48.1 - 23:10 48.3 46.2 23:15 54.6 47.6 23:20 50.2 53 23:25 51.5 48.3 - 23:31 48.5 - 23:32 54.6 51.8 23:33 46.2 - 23:35 48.7 50.4 50.4 22:46 44.1 48.2 - 22:45 43.5 47.5 - 22:55 51 59.5 23:00 48.3 46.2 - 23:05 47.6 48.1 - 23:10 48.3 48.5 - 23:15 54.6 47.6 - 23:20 50.2 53 23:25 51.5 48.3 - 23:36 47.7 47.8 - 23:40 51.3 47.2 - 23:45 47.6 50.8 23:45 47.6 50.8 23:55 46.1 48.8 - Average 48.7 49.6 47.6 Max 60.2 62.2 67.4 Min 40.2 40.4 38.8 | | | | |
| 20:50 | | | | |
| 20:55 | | | | _ |
| 21:05 | | | | - |
| 21:10 | 21:00 | 50.6 | 50.5 | - |
| 21:15 51.3 49.6 21:20 51.6 49.6 21:25 51 50.3 21:30 50.9 49.9 21:35 51.7 50.3 21:40 52.3 54.5 21:45 52.4 53.7 21:50 51.3 48.5 21:55 51.6 48.2 22:00 52.1 49.9 22:05 52 53.3 22:10 51.1 48.9 22:15 50.4 48.1 22:20 48.5 54.7 22:25 47.3 52 22:30 46.5 51.8 22:35 48.7 50.4 22:40 44.1 48.2 22:40 44.1 48.2 22:40 44.1 48.2 22:45 43.5 47.5 22:55 51 59.5 23:30 48.3 46.2 22:45 43.5 47.6 48.1 23:20 50 48.3 48.5 23:15 54.6 48.3 48.5 23:15 54.6 48.3 48.5 23:15 54.6 48.3 48.5 23:15 54.6 47.6 48.1 23:20 50 48.3 48.5 23:35 54.6 47.6 48.1 23:20 50.2 53 23:25 51.5 48.3 48.5 23:35 47.6 48.3 48.5 23:35 54.6 47.6 48.3 48.5 23:35 54.6 47.6 48.3 48.5 23:35 54.6 47.6 48.3 48.5 23:35 54.6 47.6 50.8 23:35 54.7 47.8 23:40 51.3 47.2 23:45 47.6 50.8 23:35 47.7 47.8 23:40 51.3 47.2 23:45 47.6 50.8 23:35 47.7 47.8 23:45 47.6 50.8 23:35 47.7 47.8 23:45 47.6 50.8 23:35 47.7 47.8 23:45 47.6 50.8 23:35 47.7 47.8 23:45 47.6 50.8 23:35 46.2 47.9 23:55 46.1 48.8 24.8 40.4 40.4 40.2 40.4 38.8 | 21:05 | 50.9 | 50.5 | - |
| 21:20 51.6 49.6 21:25 51 50.3 21:30 50.9 49.9 21:35 51.7 50.3 21:40 52.3 54.5 21:45 52.4 53.7 21:50 51.3 48.5 21:55 51.6 48.2 22:00 52.1 49.9 22:05 52 53.3 22:10 51.1 48.9 22:15 50.4 48.1 22:20 48.5 54.7 22:25 47.3 52 22:30 46.5 51.8 22:35 48.7 50.4 22:40 44.1 48.2 22:40 44.1 48.2 22:40 44.1 48.2 22:40 44.1 48.2 22:45 43.5 47.5 22:55 51 59.5 23:00 48.3 46.2 23:00 48.3 46.2 23:00 48.3 48.5 23:15 54.6 47.6 48.1 23:20 50.2 53 23:25 51.5 48.3 23:30 48.5 54.7 23:25 51.5 54.6 47.6 23:20 50.2 53 23:25 51.5 48.3 23:35 47.7 47.8 23:40 51.3 47.2 23:45 47.6 50.8 23:35 47.7 47.8 23:45 47.6 50.8 23:55 46.1 48.8 5.4 46.7 23:55 46.1 48.8 5.4 47.6 50.8 5.4 47.6 50.8 5.4 47.6 50.8 5.4 50.2 50.2 50.2 50.2 50.2 50.2 50.2 50.2 | | 48.4 | 49.3 | |
| 21:25 51 50.3 49.9 21:35 51.7 50.3 21:40 52.3 54.5 21:45 52.4 53.7 21:50 51.8 48.5 22:00 52.1 49.9 22:05 52 53.3 22:10 51.1 48.9 22:15 50.4 48.1 22:20 48.5 54.7 22:25 47.3 52 22:30 46.5 51.8 22:35 48.7 50.4 22:40 44.1 48.2 22:45 43.5 47.5 22:45 43.5 47.5 22:55 51 59.5 23:00 48.3 46.2 22:45 47.6 50.8 23:35 47.7 47.8 23:40 51.3 47.6 50.8 23:55 46.1 48.8 -40.2 23:45 47.6 50.8 23:55 46.1 48.8 -40.2 23:45 47.6 50.8 23:55 46.1 48.8 -40.2 23:55 46.1 48.8 -40.2 23:45 47.6 50.8 23:55 46.1 48.8 -40.2 23:55 46.1 48.8 -40.2 23:55 46.1 48.8 -40.2 23:55 46.1 48.8 -40.2 23:55 46.1 48.8 -40.2 23:55 46.1 48.8 -40.2 23:55 46.1 48.8 -40.2 23:55 46.1 48.8 -40.2 23:55 46.1 48.8 -40.2 23:55 46.1 48.8 -40.2 23:55 46.1 48.8 -40.2 23:55 46.1 48.8 -40.2 40.4 38.8 | | | | - |
| 21:30 50.9 49.9 21:35 51.7 50.3 21:40 52.3 54.5 21:45 52.4 53.7 21:50 51.3 48.5 21:55 51.6 48.2 22:00 52.1 49.9 22:05 52 53.3 22:10 51.1 48.9 22:15 50.4 48.1 22:20 48.5 54.7 22:25 47.3 52 22:30 46.5 51.8 22:35 48.7 50.4 48.1 22:40 44.1 48.2 22:45 43.5 47.5 22:40 44.1 48.2 22:45 43.5 47.5 22:55 51 59.5 23:00 48.3 46.2 22:45 47.8 22:55 51 59.5 23:00 48.3 46.2 23:15 54.6 47.6 23:20 50.2 53 23:25 51.5 48.3 23:30 48.5 23:35 47.7 47.8 23:40 51.3 47.2 23:35 48.7 23:40 51.3 47.2 23:45 47.6 50.8 23:35 47.6 50.8 23:35 47.7 47.8 23:40 51.3 47.2 23:45 47.6 50.8 23:55 46.1 48.8 -4 48.7 49.6 47.6 50.8 23:55 46.1 48.8 -5 47.6 50.8 23:55 46.1 40.4 38.8 50.8 23:55 46.1 40.4 38.8 25.8 23:55 46.1 40.4 38.8 25.8 23:55 46.1 40.4 38.8 25.8 23:55 46.1 40.4 38.8 25.8 23:55 46.1 40.4 38.8 25.8 23:55 46.1 40.4 38.8 25.8 23:55 46.1 40.4 38.8 25.8 25.55 25.55 25.55 25.55 2 | | | | - |
| 21:35 51.7 50.3 21:40 52.3 54.5 21:45 52.4 53.7 21:50 51.3 48.5 21:55 51.6 48.2 22:00 52.1 49.9 22:05 52 53.3 22:10 51.1 48.9 22:15 50.4 48.1 22:20 48.5 54.7 22:25 47.3 52 22:30 46.5 51.8 22:35 48.7 50.4 22:40 44.1 48.2 22:45 43.5 47.5 22:50 44 46.7 22:25 47.3 52 22:45 43.5 47.5 22:50 44 46.7 22:25 47.8 22:35 48.7 50.4 22:45 43.5 47.5 22:50 44 46.7 22:55 51 59.5 23:00 48.3 46.2 23:05 47.6 48.1 23:10 48.3 48.5 23:15 54.6 47.6 23:20 50.2 53 23:25 51.5 48.3 23:30 48.5 23:35 47.7 47.8 23:40 51.3 47.2 23:45 47.6 50.8 23:45 47.6 50.8 23:55 46.1 48.8 -48.8 48.6 23:55 46.1 48.8 -5 23:55 46.1 40.4 38.8 -5 23:55 46.1 40.4 38.8 -5 23:55 46.1 40.4 38.8 -5 23:55 46.1 40.4 38.8 -5 23:55 46.1 40.4 38.8 | | | | |
| 21;40 52,3 54,5 21;45 52,4 53,7 21;50 51,3 48,5 21;55 51,6 48,2 22;00 52,1 49,9 22;05 52 53,3 22;10 51,1 48,9 22;15 50,4 48,1 22;20 48,5 54,7 22;25 47,3 52 22;30 46,5 51,8 22;30 46,5 51,8 22;35 48,7 50,4 22;40 44,1 48,2 22;45 43,5 47,5 22;45 43,5 47,5 22;55 51 59,5 23;00 48,3 46,2 23;00 48,3 46,2 23;10 48,3 48,5 23;10 48,3 48,5 23;10 48,3 48,5 23;10 48,3 48,5 23;10 48,3 48,5 23;10 48,3 48,5 23;10 48,3 48,5 23;10 48,3 48,5 23;10 48,3 48,5 23;10 48,3 48,5 23;10 48,3 48,5 23;10 48,3 48,5 23;10 48,3 48,5 23;10 48,3 48,5 23;10 48,3 48,5 23;10 48,3 48,5 23;10 48,3 48,5 23;10 48,3 48,5 23;10 48,3 48,5 23;20 50,2 53 23;25 51,5 48,3 23;30 48,5 49,5 23;35 47,7 47,8 23;40 51,3 47,2 23;45 47,6 50,8 23;50 46,2 47,9 23;55 46,1 48,8 Average 48,7 49,6 47,6 Max 60,2 62,2 67,4 Min 40,2 40,4 38,8 | | | | - |
| 21:45 52.4 53.7 | | | | |
| 21:50 51.3 48.5 | | | | |
| 21:55 | | | | _ |
| 22:05 52 53.3 | | | | - |
| 22:10 51.1 48.9 - 22:15 50.4 48.1 - 22:20 48.5 54.7 - 22:25 47.3 52 - 22:30 46.5 51.8 - 22:35 48.7 50.4 - 22:40 44.1 48.2 - 22:45 43.5 47.5 - 22:50 44 46.7 - 22:55 51 59.5 - 23:00 48.3 46.2 - 23:05 47.6 48.1 - 23:10 48.3 48.5 - 23:20 50.2 53 - 23:25 51.5 48.3 - 23:30 48.5 49.5 - 23:35 47.7 47.8 - 23:40 51.3 47.2 - 23:45 47.6 50.8 - 23:45 47.6 | 22:00 | 52.1 | 49.9 | - |
| 22:15 50.4 48.1 | 22:05 | 52 | 53.3 | - |
| 22:20 48.5 54.7 | | 51.1 | 48.9 | - |
| 22:25 47.3 52 | | | | - |
| 22:30 | | | | - |
| 22:35 | | | | - |
| 22:40 44.1 48.2 | | | | |
| 22:45 43.5 47.5 - 22:50 44 46.7 - 22:55 51 59.5 - 23:00 48.3 46.2 - 23:05 47.6 48.1 - 23:10 48.3 48.5 - 23:15 54.6 47.6 - 23:20 50.2 53 - 23:25 51.5 48.3 - 23:30 48.5 49.5 - 23:35 47.7 47.8 - 23:40 51.3 47.2 - 23:45 47.6 50.8 - 23:50 46.2 47.9 - 23:55 46.1 48.8 - Average 48.7 49.6 47.6 Max 60.2 62.2 67.4 Min 40.2 40.4 38.8 | | | | |
| 22:50 | | | | - |
| 22:55 51 59.5 - 23:00 48.3 46.2 - 23:05 47.6 48.1 - 23:10 48.3 48.5 - 23:15 54.6 47.6 - 23:20 50.2 53 - 23:25 51.5 48.3 - 23:30 48.5 49.5 - 23:35 47.7 47.8 - 23:40 51.3 47.2 - 23:45 47.6 50.8 - 23:55 46.1 48.8 - Average 48.7 49.6 47.6 Max 60.2 62.2 67.4 Min 40.2 40.4 38.8 | | | | |
| 23:00 48.3 46.2 23:05 47.6 48.1 23:10 48.3 48.5 23:15 54.6 47.6 23:20 50.2 53 23:25 51.5 48.3 23:30 48.5 49.5 23:35 47.7 47.8 23:40 51.3 47.2 23:45 47.6 50.8 23:55 46.1 48.8 Average 48.7 49.6 47.6 Max 60.2 62.2 67.4 Min 40.2 40.4 38.8 | | | | |
| 23:05 47.6 48.1 23:10 48.3 48.5 23:15 54.6 47.6 23:20 50.2 53 23:25 51.5 48.3 23:30 48.5 49.5 23:36 47.7 47.8 23:40 51.3 47.2 23:45 47.6 50.8 23:50 46.2 47.9 23:55 46.1 48.8 Average 48.7 49.6 47.6 Max 60.2 62.2 67.4 Min 40.2 40.4 38.8 | | | | |
| 23:10 48.3 48.5 - 23:15 54.6 47.6 - 23:20 50.2 53 - 23:25 51.5 48.3 - 23:30 48.5 49.5 - 23:35 47.7 47.8 - 23:40 51.3 47.2 - 23:45 47.6 50.8 - 23:50 46.2 47.9 - 23:55 46.1 48.8 - Average 48.7 49.6 47.6 Max 60.2 62.2 67.4 Min 40.2 40.4 38.8 | | | | |
| 23:20 50.2 53 - 23:25 51.5 48.3 - 23:30 48.5 49.5 - 23:35 47.7 47.8 - 23:40 51.3 47.2 - 23:45 47.6 50.8 - 23:50 46.2 47.9 - 23:55 46.1 48.8 - Average 48.7 49.6 47.6 Max 60.2 62.2 67.4 Min 40.2 40.4 38.8 | 23:10 | | | - |
| 23:25 51.5 48.3 - 23:30 48.5 49.5 - 23:35 47.7 47.8 - 23:40 51.3 47.2 - 23:45 47.6 50.8 - 23:50 46.2 47.9 - 23:55 46.1 48.8 - Average 48.7 49.6 47.6 Max 60.2 62.2 67.4 Min 40.2 40.4 38.8 | | | | |
| 23:30 48.5 49.5 - 23:35 47.7 47.8 - 23:40 51.3 47.2 - 23:45 47.6 50.8 - 23:50 46.2 47.9 - 23:55 46.1 48.8 - Average 48.7 49.6 47.6 Max 60.2 62.2 67.4 Min 40.2 40.4 38.8 | | | | |
| 23:35 47.7 47.8 - 23:40 51.3 47.2 - 23:45 47.6 50.8 - 23:50 46.2 47.9 - 23:55 46.1 48.8 - Average 48.7 49.6 47.6 Max 60.2 62.2 67.4 Min 40.2 40.4 38.8 | | | | - |
| 23:40 51.3 47.2 - 23:45 47.6 50.8 - 23:50 46.2 47.9 - 23:55 46.1 48.8 - Average 48.7 49.6 47.6 Max 60.2 62.2 67.4 Min 40.2 40.4 38.8 | | | | |
| 23:45 47.6 50.8 - 23:50 46.2 47.9 - 23:55 46.1 48.8 - Average 48.7 49.6 47.6 Max 60.2 62.2 67.4 Min 40.2 40.4 38.8 | | | | |
| 23:50 46.2 47.9 - 23:55 46.1 48.8 - Average 48.7 49.6 47.6 Max 60.2 62.2 67.4 Min 40.2 40.4 38.8 | | | | - |
| 23:55 46.1 48.8 Average 48.7 49.6 47.6 Max 60.2 62.2 67.4 Min 40.2 40.4 38.8 | | | | - |
| Average 48.7 49.6 47.6 Max 60.2 62.2 67.4 Min 40.2 40.4 38.8 | | | | - |
| Max 60.2 62.2 67.4 Min 40.2 40.4 38.8 | | | | 47 6 |
| Min 40.2 40.4 38.8 | | | | |
| | | | | |
| | Note: | 70.2 | 40,41 | 30.0 |

^[1] Noise measurements were paused for data downloading and replacement of batteries. The noise levels were not reported [2] Baseline monitoring at N2 started at 14:30 on 5 Oct 2007 to 17:00 on 19 Oct 2007

<u>Location: N3 - Fence wall outside No. 5 village house adjacent to Luk Tei Tong River Outlet</u>

<u>Daytime (0700-1900) for normal day Baseline Noise Monitoring Results</u>

| | Leq. (30min) | | | | | | | | | | | |
|---------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Time | 10-Sep-07 | 11-Sep-07 | 12-Sep-07 | 13-Sep-07 | 14-Sep-07 | 15-Sep-07 | 17-Sep-07 | 18-Sep-07 | 19-Sep-07 | 20-Sep-07 | 21-Sep-07 | 22-Sep-07 |
| 7:00 | 59.4 | 47.1 | 49.2 | 50,9 | 52.9 | 50.2 | 50.8 | 50.1 | 67.6 | 48.3 | 50.0 | |
| 7:30 | 64.8 | 48.8 | 51.1 | 55,0 | 50.6 | 52.6 | 50,5 | 63.8 | 53,7 | 48.2 | 48.1 | 55,7 |
| 8:00 | 51.0 | 53.7 | 57.5 | 51.5 | 51.6 | 51.8 | 54.7 | 56,8 | 53.4 | 52.4 | 51,7 | 55.3 |
| 8;30 | 52.7 | 49.4 | 62.4 | 54.2 | 51.5 | 63.4 | 55.1 | 54.5 | 54.9 | 49.8 | 52.1 | 51.4 |
| 9;00 | 52.5 | 47.4 | 60.5 | 51.2 | 48.2 | 58,6 | 54.9 | 60.5 | 53.3 | 48.7 | 48.8 | 51.9 |
| 9:30 | 52.0 | 48.7 | 50.9 | 49.0 | 46,8 | 63.0 | 58.2 | 54,5 | 55.2 | 47.9 | 50.7 | 50.9 |
| 10:00 | 53.8 | 47.7 | 48.4 | 48.2 | 48.2 | [1] | 52.3 | 51.1 | 53.2 | 47.6 | 50.3 | 49.9 |
| 10:30 | 64.2 | 47.1 | 48.8 | 49,8 | 45.9 | 48.6 | 48,6 | 53.3 | 53.3 | 48.0 | 50,0 | |
| 11:00 | 52.3 | 47,3 | 49.6 | 48.4 | 48.6 | 48.6 | 49.6 | 55.7 | 53.6 | 62.6 | 49.8 | 49.9 |
| 11:30 | 50.9 | 52.5 | 52.6 | 55.5 | 48.0 | 51.8 | 51.9 | 47.8 | 58.6 | 69.1 | 50.0 | 49,2 |
| 12:00 | 50,4 | 53.0 | 47.9 | 46.8 | 46.8 | 44.4 | 49.0 | 47.2 | 50.2 | 66.6 | 48.4 | 50.1 |
| 12:30 | 51.3 | 59.5 | 46.0 | 50.2 | 50.2 | 45,5 | 48.9 | 49.2 | 49.0 | 67.5 | 47.1 | 50.3 |
| 13:00 | 51.1 | 57.1 | 47.7 | 48,1 | 66.8 | 48.3 | 48.4 | 56.4 | 54.2 | 69.5 | 45.7 | 50.7 |
| 13:30 | 49.8 | 59.3 | 53.2 | 46.7 | 65.2 | 57.5 | 48.8 | 52.0 | 50.1 | 67.7 | 48.3 | 51,5 |
| 14:00 | 49.5 | 46.2 | 55.1 | 45.5 | 59.3 | 62.7 | 49.5 | 59.0 | 48.2 | 65.5 | 54.0 | 48.5 |
| 14:30 | 54.3 | 47.5 | 48.8 | 52.8 | 54,3 | 63,9 | [1] | 51.0 | 49.4 | 69.0 | 60.7 | 49.9 |
| 15:00 | 50,6 | 50.9 | 50,1 | 58.1 | 48.6 | 64,6 | [1] | 54.4 | 46.9 | 69.0 | 47.7 | 50.8 |
| 15:30 | 51.2 | 56.2 | 47.0 | [1] | 48.7 | 54.3 | 50.2 | 50.4 | 48.1 | [1] | [1] | [1] |
| 16:00 | 50.2 | [1] | 50.2 | 55.6 | 46,7 | 51.8 | 48.6 | 56.0 | 49.5 | 57.7 | 52.1 | 52.4 |
| 16:30 | [1] | 52,4 | 50.6 | 51.5 | 50,4 | 48.7 | 52.9 | 50.2 | 52.5 | 50.3 | 51.5 | 53.1 |
| 17:00 | 55.8 | 53,7 | 52.3 | 49.1 | 53,7 | 51.9 | 49,5 | 51.9 | 51.0 | 51.7 | 50.8 | 51,4 |
| 17:30 | 60.2 | 49,9 | 54.4 | 49,4 | 52.5 | 49.3 | 49,5 | 55.9 | 53,6 | 50.3 | 50,6 | 53.4 |
| 18:00 | 48.9 | 51.3 | 49.6 | 48.8 | 50.5 | 48.8 | 48,8 | 53.9 | 53,0 | 55.2 | 46.4 | 52.0 |
| 18:30 | 48.0 | 50.0 | 51,3 | 51.6 | 51.2 | 48,3 | 50.9 | 52,6 | 53.5 | 48.7 | 48.4 | 52.7 |
| Average | 53.3 | 51.2 | 51.5 | 50,9 | 51.6 | 53.4 | 51.0 | 53.7 | 52.7 | 57.0 | 50.1 | 51.4 |
| Max | 64.8 | 59.5 | 62.4 | 58,1 | 66.8 | 64.6 | 58.2 | 63.8 | 67.6 | 69.5 | 60.7 | 55.7 |
| Min | 46.0 | 46.2 | 46.0 | 45.5 | 45.9 | 44.4 | 48.4 | 47.2 | 46.9 | 47.6 | 45.7 | 48,5 |

Note:
[1] Nolse measurements were paused for data downloading and replacement of batteries. The noise levels were not reported

<u>Location: N3 - Fence wall outside No. 5 village house adjacent to Luk Tei Tong River Outlet</u>
<u>Evening time (1900-2300) for normal day Baseline Noise Monitoring Results</u>

| | | | | | | Leq, (5ml | | | | | | |
|---------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Time | 10-Sep-07 | 11-Sep-07 | 12-Sep-07 | 13-Sep-07 | 14-Sep-07 | 15-Sep-07 | 17-Sep-07 | 18-Sep-07 | 19-Sep-07 | 20-Sep-07 | | |
| 19:00 | 51.2 | 49.9 | 54.3 | 53.3 | 56.1 | 55.2 | 51,6 | 55.2 | 53.0 | 50,3 | 51.0 | |
| 19:05 | 57.7 | 51.4 | 61.7 | 51.7 | 59,6 | 55.2 | 49,8 | 60,3 | 51.6 | 51.0 | 51.4 | 54.1 |
| 19:10 | 60.9 | 53.6 | 58.4 | 55.4 | 60.2 | 59.8 | 49.9 | 57.9 | 54.9 | 52.0 | | |
| 19:15 | 57.8 | 55.5 | 59.4 | 63.5 | 58.3 | 57,9 | 50.7 | 60.7 | 51.7 | 51.7 | 51.9 | |
| 19:20 | 60.1 | 58.6 | 60.8 | 57.4 | 61.4 | 55.7 | 51,4 | 55.4 | 55.0 | 56,5 | 51.0 | |
| 19:25 | 53.5 | 57.2 | 54.7 | 56.8 | 65.0 | 56.2 | 50.7 | 53.4 | 52.5 | 51.4 | 50,8 | |
| 19:30 | 55.0 | 53.6 | 54.4 | 55,5 | 63.8 | 54.9 | 53.7 | 52.8 | 54.1 | 52.5 | 51.4 | 59.8 |
| 19:35 | 55.4 | 60.5 | 53.8 | 54.8 | 58.9 | 52.6 | 52.4 | 53.8 | 50.5 | 51.8 | 56.8 | |
| 19:40 | 52.2 | 67.4 | 52,3 | 52.9 | 54.9 | 52.2 | 52.4 | 54,3 | 53.3 | 54.4 | 53.4 | 56.7 |
| 19:45 | 52.1 | 56.0 | 51.8 | 55.4 | 52.7 | 55.5 | 51.7 | 53.7 | 54.1 | 52.3 | 51,0 | |
| 19:50 | 51.7 | 57.0 | 51.7 | 56.7 | 53.9 | 63.2 | 54.0 | 53.8 | 52.6 | 52.0 | 50,7 | 53.9 |
| 19:55 | 50.5 | 55.9 | 51.9 | 52.2 | 54,6 | 61.6 | 51.4 | 53.2 | 54.1 | 51.6 | 50.7 | 51.5 |
| 20:00 | 54.2 | 57.0 | 51.9 | 51.6 | 54.1 | 58.7 | 53.3 | 53.8 | 54.8 | 52.8 | 51.3 | 51.5 53.1 |
| 20:05 | 56.7 | 57.4 | 54.0 | 54.9 | 53.4 | 52.6 | 51.5 | 52.1 | 55.9 | 53.5 | 51.2 | |
| 20:10 | 63,2 | 5B.3 | 50.9 | 54,4 | 52.8 | 51.5 | 51.1 | 50.3 | 52.0 | 52.4 52.1 | 49,9 49,8 | |
| 20:15 | 56.5 | 62.4 | 51.8 | 51.6 | 53.1 | 50.6 | 50.5 | 51.8 | 51.5 | 52.1 52.0 | | 56.7 |
| 20:20 | 56.2 | 60.0 | 51.1 | 55.2 | 52.5 | 51.9 | 52.8 | 51.4 | 50.7 53.4 | 56.0 | 51.2 52.2 | 58,8 |
| 20:25 | 57.1 | 57.1 | 52.8 | 52.4 | 52.9 | 52.5 51.4 | 53.7 53.6 | 52.8 52.6 | 55.8 | 52.8 | 50.0 | |
| 20:30 | 60.9 | 55.8 | 51.0 | 52.7 | 52.1 | | 54.3 | 52.0 | 50.8 | 52.8 | 53.9 | |
| 20:35 | 60.6 | 55.6 | 50.2 | 51.9 | 51.5 | 52.4 55.7 | 52.2 | 51.3 | 55.6 | 55,3 | 47.7 | 56.9 |
| 20:40 | 59.1 | 55.2 | 51.8 | 50.6 50.5 | 51,3 49.7 | 54.9 | 51.3 | 51.4 | 51.2 | 53.9 | 50,4 | 59.2 |
| 20:45 | 0.00 | 49.1 | 52.3 | | 49.7 | 54.8 | 51.5 | 50.2 | 52.3 | 52.5 | 48.8 | |
| 20:50 | 59.6 | 49.9 | 50.5 | 51.4 | 50.4 | 52.4 | 52.9 | 50.2 | 51.6 | 51.5 | 49.2 | 51.5 |
| 20:55 | 59.7 59.8 | 56,7 49,9 | 53.9 50.2 | 52.2 49.9 | 50.4 | 52.4 | 51.7 | 50.5 | 51.1 | 51.4 | 48.3 | 58.1 |
| 21:00 | 59.8 | 52.2 | 50.2 | 51.1 | 49.4 | 52.9 | 50.4 | 52.0 | 52,1 | 48.8 | 53.3 | |
| 21:03 | 57.6 | 51.9 | 51.1 | 51.2 | 50.3 | 53.1 | 51.7 | 49.6 | 50.5 | 48.7 | 48.7 | 58.6 |
| 21:10 | 56.9 | 49.0 | 51.5 | 52.4 | 52.2 | 53.0 | 51.3 | 49.7 | 50.0 | 48.8 | 47.9 | |
| 21:15 | 55.9 | 59.2 | 50.8 | 54.9 | 55,7 | 52.1 | 49.9 | 49.5 | 56,0 | 49.9 | 48.6 | |
| 21:25 | 54,1 | 52.5 | 50,8 | 54.4 | 52.0 | 53.2 | 48.7 | 50.3 | 56.7 | 50.2 | 49,8 | |
| 21:30 | 55.2 | 57.1 | 50.5 | 53.4 | 51.6 | 52.7 | 50.1 | 51.6 | 52.3 | 50.5 | 48.9 | |
| 21:35 | 56.1 | 57.5 | 49.2 | 51.7 | 58.3 | 51,4 | 51.5 | 53.8 | 51.4 | 51.8 | 48.3 | 51.5 |
| 21:40 | 56,9 | 57.4 | 50.7 | 52.0 | 50.1 | 51,3 | 49.5 | 53.7 | 50.8 | 50.1 | 47.9 | 51. |
| 21:45 | 56.4 | 51.7 | 52.7 | 53.6 | 49.5 | 58.4 | 47.8 | 50.1 | 51.5 | 48,9 | 48.7 | 51. |
| 21:50 | 52.9 | 51.0 | 54.6 | 52.9 | 56,5 | 51.2 | 50,7 | 51.6 | 49.7 | 48.7 | 49.0 | 51. |
| 21:55 | 50.8 | 51,0 | 51.8 | 51.8 | 50.7 | 49.9 | 47.5 | 49.8 | 49.1 | 51,0 | 47.3 | 50, |
| 22:00 | 50.6 | 49.5 | 49.4 | 51.7 | 52,5 | 50.2 | 49.3 | 48.2 | 48.5 | 47.9 | 47.3 | |
| 22:05 | 50.3 | 51.0 | 49.3 | 49,3 | 49.7 | 60.0 | 47.5 | 50.4 | 47.7 | 46.4 | 47.6 | |
| 22:10 | 50.3 | 49.7 | 49.3 | 48.9 | 56.1 | 57.7 | 49.8 | 49.3 | 48.5 | 44.7 | 49.0 | |
| 22:15 | 48.8 | 49,9 | 49.6 | 48.8 | 50.4 | 59.6 | 48,5 | 47.7 | 49.5 | 47.4 | 48.5 | |
| 22:20 | 49.5 | 54.8 | 49.4 | 47.7 | 50,6 | 50.9 | 48.1 | 50.8 | 48.8 | 48.0 | 46.0 | |
| 22:25 | 49.5 | 50,4 | 50.4 | 48.3 | 50,0 | 52.3 | 47.9 | 50,0 | 49.3 | 47.2 | 49,8 | |
| 22:30 | 50 | 49.8 | 50.8 | 48.7 | 50,9 | 50.5 | 47.1 | 48,9 | 57.4 | 48.1 | 47.7 | |
| 22:35 | 51.1 | 51,3 | 50.2 | 52.5 | 49,7 | 49.7 | 47.2 | 48.6 | 49 | 54.5 | 49,8 | |
| 22:40 | 51 | 51 | 49.5 | 48.1 | 50 | 49.2 | 47.1 | 49.4 | 48.4 | 46.8 | 48.2 | |
| 22:45 | 51.1 | 50.5 | 49.2 | 47.6 | 50.4 | 49.4 | 46.8 | 48.3 | 49.7 | 48.6 | 48.1 | 52.2 |
| 22:50 | 50.7 | 50,8 | 50 | 47,2 | 55.3 | 50 | 48.1 | 49.9 | 50.4 | 56,1 | 47 | |
| 22:55 | 50.2 | 49.6 | 50.4 | 48 | 51,1 | 57.2 | 45.8 | 51 | 56.1 | 45.4 | 56.7 | |
| Average | 54,9 | 54.2 | 52.1 | 52.3 | 53.5 | 53.9 | 50.5 | 51.9 | 52.0 | 50.9 | 50.0 | |
| Max | 63.2 | 67.4 | 61.7 | 63.5 | 65.0 | 63.2 | 54.3 | 60.7 | 57.4 | 56.5 | 56.8 | |
| Min | 48.8 | 49.0 | 49.2 | 47.2 | 49.4 | 49.2 | 45.8 | 47.7 | 47.7 | 44.7 | 47,0 | 47. |

| | Time | 40 0 07 | 44 Con 02 | 12 Con 07 | 13-Sep-07 | 14-Sep-07 | Leq. (5m 15-Sep-07 | in) 17-Sep-07 | 18-Sep-07 | 19-Sep-07 | 20-Sep-07 | 21-Sep-07 | 22-Sep-07 |
|---------------|----------------|-------------------|-------------------|-------------------|----------------------|--------------------|-----------------------|------------------|--------------|--------------|--------------|--------------|--------------|
| | Time 0:00 | 10-Sep-07 55.9 | 11-Sep-07 49.5 | 12-Sep-07 56.9 | 49.3 | 49,9 | 54.0 | 54.8 | 47.2 | 52.4 | 49.8 | 48.8 | 49.5 |
| | 0:05 | 50.9 | 49.7 | 54.9 | 49.7 | 47.4 | 49.3 | 50.7 | 47.1 | 48.7 | 52,5 | 48.9 | 49.1 |
| | 0:10 | 56.4 | 49.7 | 53.1 | 49.1 | 47.0 | 49.7 | 50.9 | 47.6 | 48.8 | 49.0 | 49.7 | 48.1 |
| | 0:15 | 50.7 | 50.8 | 52.2 | 49.2 | 50.6 | 50.5 49.9 | 49.7 47.6 | 46.3 49.9 | 47.9 48.5 | 49.5 51.9 | 57.8 48.3 | 48.2 52.4 |
| | 0:20 | 50.3 50.7 | 50.7 51.8 | 55.3 50.1 | 50,3 51.8 | 49.9 47.7 | 52.0 | 47.5 | 47.0 | 47.4 | 51.8 | 46.7 | 49.6 |
| | 0:30 | 51.8 | 52.6 | 47.2 | 52.B | 46.2 | 51.7 | 53.0 | 47.9 | 47.3 | 50.1 | 50.5 | 50.7 |
| | 0:35 | 57.5 | 50.6 | 46.7 | 57.0 | 47.1 | 50,2 | 46.8 | 47.4 | 47.3 | 52.3 | 52.1 | 50.9 |
| | 0:40 | 52.1 | 49,8 | 48.0 | 50.3 | 51.9 | 49.3 | 46.3 | 47.9 | 47.4 47.1 | 50.5 51.6 | 48.1 49.3 | 48.9 52.1 |
| <u> </u> | 0:45 | 54.8 51.1 | 48.2 49.2 | 48.3 48.1 | 51.0 52.9 | 47.6 49.6 | 49.3 47.5 | 44.5 | 55.2 48,4 | 49.8 | 50.9 | 48.0 | |
| | 0:55 | 56.2 | 48.8 | 56.4 | 51.4 | 47.8 | 49.7 | 49.9 | 48.9 | 55.0 | 49,6 | 47.2 | 51.2 |
| | 1:00 | 56.5 | 57.2 | 58,5 | 50.3 | 46,8 | 50.2 | 50.6 | 47.1 | 47.1 | 48.8 | 47,9 | |
| | 1:05 | 53.4 | 55.8 | 56,5 | 52.2 | 47.1 | 51.3 | 55.1 | 48.1 | 48.5 48.8 | 49.4 48.1 | 48.8 52.0 | |
| | 1:10 | 53.7 52.9 | 55.7 55.9 | 52.7 48.9 | 50.8 51,8 | 52.7 49.2 | 51.0 52.8 | 52.1 50.7 | 48.1 48.7 | 55.3 | 48.1 | 48.6 | |
| | 1:20 | 52.5 | 55.6 | 46.8 | 50.6 | 48.6 | 51.5 | 49,2 | 45.6 | 55,3 | 48.3 | 49.3 | 49.6 |
| | 1:25 | 53.0 | 58.0 | 48.2 | 50.6 | 48.3 | 49,3 | 48.1 | 45,5 | 61.9 | 48.9 | 49.0 | |
| | 1:30 | 52.1 | 58.5 | 48.9 | 50.5 | 48,4 | 49.1 | 49.9 | 47.3 46.9 | 57.4 49.8 | 50.8 51,7 | 48.3 47.9 | 49.2 47.0 |
| | 1:35 | 51.9 54,3 | 58.5 57.9 | 47.9 49.9 | 50.9 50.9 | 55.2 53.6 | 50,1 53.0 | 47.5 49.0 | 45.3 | 48.3 | 52.9 | 57.7 | 47.8 |
| | 1:45 | 52.0 | 58.2 | 50.1 | 53.3 | 50.8 | 48.2 | 48.7 | 45.2 | 47.9 | 48.3 | 55.2 | 46.6 |
| | 1:50 | 51.1 | 53.9 | 49,0 | 50.9 | 49.0 | 45.7 | 53.7 | 45.7 | 48.9 | 47.4 | 51.5 | |
| | 1;55 | 52,0 | 53.5 | 52.1 | 50.9 | 49.5 | 49.8 | 58.3 | 46.3 | 49.1 49.3 | 49.5 47.7 | 53.8 51.6 | |
| | 2:00 | 48.8 53.2 | 51.6 51.0 | 48.6 48.4 | 49.9 51,1 | 47.9 47.4 | 55.9 52.5 | 54.5 55.8 | 46.2 47,3 | 47.5 | 47.4 | 48.5 | |
| | 2:10 | 50.9 | 51.4 | 49.4 | 49.5 | 47.3 | 51.1 | 56.4 | 47.6 | 55.9 | 48.0 | 48.8 | 46.8 |
| | 2;15 | 51.3 | 53.0 | 54.B | 50.3 | 48.4 | 50.7 | 56.5 | 51.4 | 46.9 | 48.0 | 47.5 | |
| | 2:20 | 51.1 | 52.7 | 54.5 | 50.3 | 49,2 | 50.1 49.8 | 56,1 56,7 | 56.1 56.7 | 46.6 47.2 | 48.0 47.9 | 47.6 47.4 | |
| | 2:25 | 52.0 52.6 | 51.4 52.2 | 54,6 54.0 | 51.8 50.0 | 50.8 47.4 | 49.8 50.8 | 56.8 | 49.6 | 47.5 | 47.9 | 50.6 | 46.4 |
| <u> </u> | 2:35 | 56.7 | 53.0 | 54.2 | 52.3 | 51.4 | 49.9 | 57.0 | 47,5 | 52.4 | 47.7 | 46.9 | 45.9 |
| | 2:40 | 51.6 | 52.3 | 54.3 | 55,6 | 52.7 | 50,9 | 56.7 | 49.3 | 51.0 | 48.2 | 48.6 52.1 | |
| | 2:45 | 52,0 | 53.7 | 54,3 | 50.8 | 53.2 | 51.1 50.8 | 55.2 54.5 | 54.2 56.0 | 58.5 48.0 | 48.3 49.4 | 50.8 | |
| | 2:50 2:56 | 52.0 52.6 | 52.11 51.3 | 53.8 54.2 | 50.1 51.7 | 48,9 51.7 | 50.8 | 58.3 | 52.9 | 46.7 | 53.5 | 47.9 | 50.1 |
| L | 3:00 | 53.6 | 52.0 | 53.4 | 61,6 | 51.6 | 51.0 | 58.0 | 45.8 | 47.4 | 51.8 | 47.8 | 51.6 |
| | 3:05 | 53.8 | 58.1 | 53.9 | 53,2 | 49.8 | 50.4 | 58.2 | 46.4 | 44.9 | 52.9 48.5 | 49.4 50.7 | |
| | 3:10 3:15 | 54.7 53.7 | 55.8 54.3 | 54.0 53.7 | 51.9 51.5 | 54.7 55.5 | 50.7 50.7 | 58.0 58,2 | 47.9 47.1 | 51.2 46.0 | 48.8 | 48,6 | |
| | 3:20 | 58.5 | 55.2 | 53.0 | 51.0 | 50.3 | 54.5 | 56.5 | 52.6 | 48.3 | 49.0 | 47.4 | 49.1 |
| | 3:25 | 53.6 | 52.2 | 48,4 | 52.0 | 49.9 | 54.0 | 53.7 | 56.4 | 48.2 | 48,9 | 46.7 | 50.9 |
| | 3:30 | 54.2 | 53.7 | 48,9 | 56.5 | 49.7 | 50.7 | 52,9 | 60.1 | 48.6 49.5 | 49 53.9 | 48.3 47.6 | |
| | 3:35 | 57.2 56.1 | 54.8 51.9 | 48 49.1 | 53.2 52.4 | 50.8 50.4 | 51.5 51.7 | 51 51.4 | 57.8 54.7 | 48.7 | 48.6 | 50.5 | |
| | 3:45 | 54 | 52.6 | 49.5 | 52.9 | 50.3 | 51 | 52.8 | 54.7 | 49.8 | 49 | 55,5 | 51.1 |
| | 3:50 | 52.7 | 60.4 | 49.1 | 52.1 | 50.8 | 52.5 | 51.6 | 56.3 | 58.8 | 49.7 | 54.8 | |
| | 3:55 | 51.4 | 53.6 | 50.3 | 55.1 | 53.1 | 53.3 | 52.3 | 60.6 54.6 | 54.4 55.3 | 55.3 47.2 | 47.7 50.6 | |
| - | 4:00 4:05 | 51.7 54.4 | 48.1 49.1 | 51.4 51.7 | 55,3 51 | 53.6 52 | 51.5 54.7 | 52.7 52.2 | 57.6 | 55.9 | 47.5 | 47.9 | |
| | 4:10 | 58.2 | 57 | 52.3 | 51 | 52.7 | 52,9 | 51.8 | 51.7 | 51.4 | 47.4 | 49.2 | 49.3 |
| | 4:15 | 55.6 | 51.8 | 54.1 | 52.4 | 51.9 | 54.8 | 49.4 | 49,2 | 50.2 | 50.1 | 47.5 | 50.4 55.6 |
| ⊢ — | 4:20 | 54.9 | 56.5 49.5 | 56.7 53 | 54.7 49.8 | 51. <u>2</u> 50 | 61,1 59.1 | 50.2 50.4 | 49.1 52 | 51.8 51.7 | 49.2 54.8 | 49.7 50.7 | |
| ├─ | 4:25 | 53.4 52.9 | 49.5 | 49.7 | 50,3 | 49.8 | 55 | 49.4 | 49.7 | 53.4 | 46.1 | 52.6 | 50.9 |
| | 4:35 | 53.1 | 53 | 49.5 | 49.9 | 49.6 | 58.2 | 49.9 | 52.1 | 53.3 | 46.6 | 47.9 | |
| | 4:40 | 54,9 | 51.1 | 56,6 | 50.3 | 49.5 | 52.5 | 50.9 50.7 | 53.5 51.2 | 51.4 55.6 | 52.4 55.3 | 49.5 49.7 | 49.9 50.5 |
| <u> </u> | 4:45 4:50 | 52.9 55.5 | 48.6 49.4 | 49.1 48.9 | 50.4 50.1 | 50,3 51,3 | 52.1 52.1 | 50.1 | 52.9 | 56,9 | 47.7 | 55.5 | |
| | 4:55 | 52.5 | 48.2 | 48.2 | 50.5 | 50.2 | 55.7 | 47.3 | 50.6 | 50.4 | 46,5 | 53.7 | |
| | 5:00 | 53.2 | 45.8 | | 51 | 49.6 | 54,3 | 45.9 | 51.5 | 57.3 | 47.4 | | |
| <u> </u> | 5:05 | 50,6 | 46.4 | 47.2 48.7 | 50.3 50,1 | 49.7 49.9 | 52.4 50.7 | 47.9 47.1 | 50.3 55 | 52.2 52.1 | 47.6 50.8 | | |
| — | 5:10 5:15 | 51.9 51.9 | 46.2 45.9 | 48.7 48.6 | 49.6 | 49.9 | 51.7 | 47.1 | 54.2 | 51.1 | 54.7 | 47.3 | |
| | 5:20 | 53 | 47.2 | 50.7 | 48.2 | 49.2 | 51.1 | 45.8 | 59.7 | 52.2 | 54.4 | 47.3 | |
| | 5:25 | 52.5 | 46,1 | 51.1 | 49,3 | 50.4 | 51.3 | 47.4 | 65.2 | 51.7 | 53.9 48.5 | | |
| —— | 5:30 5:35 | 50.2 50.7 | 46.6 50.1 | 50 53,5 | 50 <u>.2</u> 52.5 | 50.5 50.7 | 51.1 51.1 | 48.7 49.9 | 49,9 49,6 | 50.4 50.6 | 48.5 | | |
| \vdash | 5:40 | 51.5 | 48 | | 52.2 | 50.9 | 52.6 | 50 | 46.4 | 51.2 | 47.6 | 46.1 | 46 |
| | 5:45 | 51.8 | 55.4 | 52,7 | 51.6 | 50.5 | 51.4 | 51 | 48.4 | 50 | 47.6 | | |
| | 5:50 | 50.8 | 52.8 | 50.4 | 50.2 | 50.3 | 51.3 | 49.4 50.7 | 47.5 49 | 50.4 49.4 | 48.6 51.3 | | |
| \vdash | 5:55 6:00 | 52.5 52,5 | 48,5 51,2 | 51.6 51,6 | 51.4 51 | 49.9 49.8 | 51.5 52.1 | 47.6 | 49.2 | 48.6 | 47.4 | | |
| — | 6:05 | 54.9 | 49,7 | 51.6 | 56.6 | 48.4 | 52.5 | 47. <u>1</u> | 46.9 | 49.3 | 51.7 | 49,9 | 48.2 |
| | 6:10 | 50.1 | 46,4 | 49.7 | 52,6 | 48.5 | 49,1 | 48.7 | 48 | 49.7 | 51.5 | | |
| ļ | 6:15 | 53.1 | 50.6 | 49,3 | 52.2 | 49.8 50 | 49.9 51.4 | 47.6 50.7 | 48.1 49.8 | 49 52.7 | 51.1 51 | 52,1 48,4 | |
| | 6:20 6:25 | 49.8 50 | 47.2 45.2 | 51.5 56.6 | 51.1 51.7 | 50.5 | 50.2 | 48.9 | 47 | 49.2 | 49,3 | | |
| | 6:30 | 49.5 | 49.5 | 54 | 52.5 | 51.5 | 50.7 | 48.4 | 48.8 | 49.8 | 48.7 | 45 | 48.4 |
| \sqsubseteq | 6:35 | 51 | 71.7 | 49.4 | 55 | 52.5 | 51.6 | 49.4 | 47.4 | 53.5 | 50.3 | | |
| <u> </u> | 6:40 | 49 | 46.9 | | 52.8 49.8 | 50.9 50 | 51,2 50.8 | 53.3 50.4 | 48.5 47.2 | 50.8 51.5 | 47.7 47.5 | | |
| | 6:45 | 47.B 47.B | 49.3 52 | 53.5 55 | 50.3 | 50.4 | 51.3 | 50.6 | 49.5 | 50.1 | 49.3 | | 48.6 |
| | 6:55 | 51,9 | 49.9 | 50.7 | 51.4 | 49.5 | 49.4 | 50.6 | 51.1 | 54.1 | 48.5 | 47.8 | 53.3 |
| | 23:00 | 50 | 51.1 | | 50.1 | 50.6 | 49.6 | 48.4 | 49 | 50.8 | 47.5 | | |
| <u> </u> | 23:05 | 50.5 | 56.9 | | 51,8 47.8 | 51.3 49.9 | 51,2 50.9 | 53.9 46.8 | 49.9 50.4 | 48.8 51.9 | 46.6 47.9 | | |
| - | 23:10 | 54.3 50,3 | 48.8 48.5 | | 53.5 | 49.9 | 50.9 | 57.6 | 53 | 50,1 | 46.8 | | |
| \vdash | 23:20 | 50.4 | 48.6 | | 52.8 | 50 | 50.6 | 48.2 | 54,3 | 49.2 | 46,8 | 52.7 | 56.3 |
| | 23:25 | 49,6 | 49.2 | 50.8 | 52.5 | 56.8 | 49.8 | 47,4 | 49.5 | 49,9 | 47.2 | | |
| | 23:30 | 53.6 | 46.9 | | 50.7 | 50.9 | 49.5 | 48 54.4 | 50.1 49.7 | 55.3 51.9 | 47.7 | 53,4 54.1 | |
| <u> </u> | 23:35 23:40 | 51.4 59.4 | 57 62,8 | | 46.6 47.3 | 52.5 49.5 | 53,4 52.4 | 54.4 47.4 | 49.7 | 55.1 | 47.1 | 52.4 | |
| ļ | 23:45 | 53.3 | 66.9 | | 51.2 | 56.1 | 51.9 | 47.1 | 48.4 | 53.3 | 48 | 50,5 | 49.8 |
| | 23:50 | 51.5 | 61,4 | 51.7 | 49.3 | 48.5 | 51.3 | 47.1 | 51.6 | 49.3 | 50.5 | | |
| [| 23:55 | 49.9 | 60.4 | | 54.5 | 47.5 | 50.8 | 48.5 | 53 | 48,4 | 49.6 | | |
| | verage | 52,6 | 52.3 | | 51.5 | 50.2 | 51.5 | 51.0 | 50,4 | 50.8 | 49.4 | | |
| A۱ | Max | 59,4 | 71.7 | 58.5 | 61.6 | 56.B | 61.1 | 58.3 | 65.2 | 61.9 | 55.3 | 57.8 | 63.6 |

<u>Location: N3 - Fence wall outside No. 5 village house adjacent to Luk Tel Tong River Outlet Holiday: Baseline Noise Monitoring Results</u>

| | | Leq, (5min) | |
|--------------|--|--|--------------|
| Time | 09-Sep-07 | 16-Sep-07 | 23-Sep-07 |
| 0:00 | - | 53.4 | 49.0 |
| 0:05 | - | 53.2 | 48.7 |
| 0:10 | - | 53.3 52.8 | 48.9 49.3 |
| 0:15 0:20 | | 51.0 | 48.3 |
| 0:25 | | 51.2 | 46.5 |
| 0:30 | | 51.4 | 47.1 |
| 0:35 | _ | 51.0 | 47.7 |
| 0:40 | | 50.8 | 48.0 |
| 0:45 | - | 49.3 | 45.7 |
| 0:50 | - | 50.7 | 47.6 |
| 0:55 | | 52.3 | 47.7 |
| 1:00 | | 52.1 | 47.2 |
| 1:05 | | 55.8 | 49.5 |
| 1:10 | <u> </u> | 51.0 | 49.5 |
| 1:15 | | 48.5 49.0 | 55.5 53.8 |
| 1:20 | | 49.0 | 48.9 |
| 1:25 1:30 | | 50.9 | 52.8 |
| 1:35 | | 57.7 | 49.2 |
| 1:40 | | 48.0 | 52.4 |
| 1:45 | - | 47.9 | 51.7 |
| 1:50 | - | 48.4 | 52.3 |
| 1:55 | | 53.3 | 49.8 |
| 2:00 | - | 49.3 | 47.6 |
| 2:05 | - | 49.5 | 45.8 |
| 2:10 | | 49.9 | 45.9 |
| 2:15 | | 50,6 | 47.1 |
| 2:20 2:25 | | 48.7 47.7 | 47.8 46.8 |
| 2:25 | | 47.1 | 49.7 |
| 2:35 | | 50.7 | 49.2 |
| 2:40 | | 48.3 | 47.6 |
| 2:45 | | 52.4 | 50.9 |
| 2:50 | - | 54.6 | 51.1 |
| 2:55 | | 52.5 | 48.2 |
| 3:00 | - | 47.1 | 47.6 |
| 3:05 | | 48.2 | 49.9 |
| 3:10 | | 49.6 | 48.8 |
| 3:15 3:20 | | 48.4 50.8 | 50.2 48.6 |
| 3:25 | | 56.0 | 49.8 |
| 3:30 | , | 58.4 | 50 |
| 3:35 | | 58.5 | 53.9 |
| 3:40 | | 62.2 | 52.5 |
| 3:45 | | 53.3 | 55.1 |
| 3:50 | | 51.9 | 51.2 |
| 3:55 | | 50,3 | 52.8 |
| 4:00 | | 51 | 53.5 |
| 4:05 | | 54.1 | 53.4 53.4 |
| 4:10 | | 54.6 48.7 | 53.4 |
| 4:15 | | 48.7 | 52.7 |
| 4:25 | | 48.5 | 52 |
| 4:30 | | 48.9 | |
| 4:35 | | 49.8 | 53.8 |
| 4:40 | | | 55.2 |
| 4:45 | | + + + + + | 54.6 |
| 4:50 | | | |
| 4:55 | | | |
| 5:00 | | 55.6 | 59,1 |
| 5:05 | | 48 | 57.4 |
| 5:10 | | 49.7 46.3 | 50.7 50.5 |
| 5:15 5:20 | | 46.5 | |
| 5:25 | | 47.1 | |
| 5:30 | | | - |
| 5:35 | | 12.2 | |
| 5:40 | | | - |
| 5:45 | | 48.4 | 1 |
| 5:50 | | 47.4 | 50.8 |
| 5:55 | | 49.2 | |
| 6:00 | | | |
| 6:05 | 5 | 46.8 | 50.3 |
| | | | |

<u>Location: N3 - Fence wall outside No. 5 village house adjacent to Luk Tei Tong River Outlet</u>
<u>Holiday: Baseline Noise Monitoring Results</u>

| | | 1 48 7 1 | |
|----------------|----------------|---------------------|--------------|
| 6:10 | | Leq, (5min) 47.9 | 49.5 |
| 6:15 | - | 49.9 | 49.5 |
| 6:20 | - | 49.6 | 50.1 |
| 6:25 | - | 49 | 50.5 |
| 6:30 | - | 50.1 | 46.9 |
| 6:35 | - | 48.8 | 47 |
| 6:40 | - | 46.5 | 46.4 |
| 6;45 6;50 | - | 46.2 48.9 | 47.5 48.8 |
| 6:55 | | 49.8 | 50.4 |
| 7:00 | | 49.6 | 48.6 |
| 7:05 | - | 45.4 | 53,2 |
| 7:10 | - | 47.1 | 48.2 |
| 7:15 | | 46.3 | 47.8 |
| 7:20 7:25 | - | 47.3 44.9 | 50,7 49.2 |
| 7:30 | _ | 51.5 | 44.8 |
| 7:35 | - | 46.4 | 46.4 |
| 7:40 | - | 49.6 | 48.1 |
| 7:45 | - | 46.5 | 51.4 |
| 7:50 7:55 | - | 51.5 43.9 | 46.6 51.7 |
| 8:00 | - | 45.9 45.3 | 52.2 |
| 8:05 | | 43.6 | 50,6 |
| 8:10 | - | 46.6 | 46.7 |
| 8:15 | | 48.9 | 51.6 |
| 8:20 | | 48.8 | 48.2 |
| 8:25 8:30 | | 49.6 52.1 | 50.5 48.1 |
| 8:35 | - | 53.9 | 49.1 |
| 8:40 | - | 54.9 | 54 |
| 8:45 | - | 50.1 | 53 |
| 8:50 | | 47.2 | 54.5 |
| 8:55 9:00 | - i | 42.5 43.5 | 53.4 53.5 |
| 9:05 | - | 50.8 | 53.1 |
| 9:10 | - | 54.9 | 51.4 |
| 9:15 | - | 55.2 | 49.4 |
| 9:20 | - | 49.8 | 49.8 |
| 9:25 | | 45.6 | 48.8 |
| 9:30 9:35 | - | 50,6 48.1 | 51.1 49,6 |
| 9:40 | - | 44.8 | 50.8 |
| 9:45 | | 46.9 | 52,2 |
| 9:50 | | 45.7 | 57.5 |
| 9:55 | - | 43.6 | 58.8 |
| 10:00 | | 46 45.4 | 54.7 54.4 |
| 10:05 10:10 | | 43.5 | 53.5 |
| 10:15 | - | 44.7 | 53.1 |
| 10:20 | | 52.7 | 53.7 |
| 10:25 | - | 43.9 | 53 |
| 10:30 | - | 45.5 | 54.8 |
| 10:35 10:40 | - | 47.6 46.2 | 52.7 51.4 |
| 10:45 | - | 48.6 | 52,2 |
| 10:50 | | 45.1 | 53.1 |
| 10:55 | - | 49.4 | 51.6 |
| 11:00 | - | 48.5 | 51.4 |
| 11:05 | - | 51.6 | 53.9 |
| 11:10 11:15 | - | 51.8 51.3 | 52.2 50.4 |
| 11:20 | | 51.1 | 50.4 |
| 11:25 | | 48.2 | 51 |
| 11:30 | | 53 | 55.4 |
| 11:35 | - | 52.3 | 56 |
| 11:40 | - | 48.8 | 54.8 |
| 11:45 | - | 51.2 | 48.3 |
| 11:50 11:55 | | 48 48 | |
| 12:00 | | 48.3 | |
| 12:05 | _ | 49.8 | 52.1 |
| 12:10 | | 48.6 | 52.6 |
| 12:15 | | 48.2 | 48.5 |
| 12:20 | <u> </u> | 48.1 | 51.5 |

<u>Location: N3 - Fence wall outside No. 5 village house adjacent to Luk Tei Tong River Outlet Holiday: Baseline Noise Monitoring Results</u>

| | | 1 (5 | <u> </u> |
|----------------|--|---------------------|--------------|
| 12:25 | | Leg, (5min) 47.6 | 49.9 |
| 12:30 | - | 46.6 | 49.7 |
| 12:35 | - | 50.8 | 52.2 |
| 12:40 | - | 50.2 | 52.4 |
| 12:45 | - | 48.1 | 51.8 |
| 12:50 | | 48.2 | 48.9 |
| 12:55 | | 47.9 | 50.2 |
| 13:00 | - | 47.5 | 57 |
| 13:05 13:10 | | 48 47.6 | 56.6 54.7 |
| 13:15 | | 47.8 | 49.7 |
| 13:20 | | 47.8 | 50.2 |
| 13:25 | - | 48.1 | 47.1 |
| 13:30 | - | 48.8 | 47.6 |
| 13:35 | - | 48 | 45.8 |
| 13:40 | - | 51.1 | 48.6 |
| 13:45 | - | 48 | 48.2 |
| 13:50 | | 48.1 | 52.5 |
| 13:55 14:00 | | 48.3 48.5 | 58.6 55.3 |
| 14:00 | | 47.2 | 64.2 |
| 14:10 | | 48.1 | 65.6 |
| 14:15 | - | 48.2 | 70.1 |
| 14:20 | - | 50.3 | 55.5 |
| 14:25 | | 49.8 | 52.5 |
| 14:30 | - | 48 | 51.6 |
| 14:35 | - | 50.5 | 47.6 |
| 14:40 | | 46.9 | 48.1 |
| 14:45 | - | 45.4 | 50.6 |
| 14:50 14:55 | - | 51.5 47.2 | 50.3 49.8 |
| 15:00 | | 46.4 | 50.3 |
| 15:05 | - | 47.1 | 52.8 |
| 15:10 | | 46.5 | 55.9 |
| 15:15 | - | 48.9 | 50.7 |
| 15:20 | - | 46.6 | 46.3 |
| 15:25 | - | 47.8 | 47.2 |
| 15:30 | 60.5 | 45.7 | 45,3 |
| 15:35 | 57.5 | 45.4 | 46.2 |
| 15:40 15:45 | 56.2 56.6 | 45.4 45.6 | 46.6 47.2 |
| 15:50 | 56.9 | 45.5 | 48.3 |
| 15:55 | 56.1 | 50.4 | 49.1 |
| 16:00 | 50.1 | 50.1 | 48.7 |
| 16:05 | 53.5 | 46.3 | 49.2 |
| 16:10 | 48.8 | 46.7 | 48.9 |
| 16:15 | 46.6 | 50.4 | 51.2 |
| 16:20 | 47.7 | 49.5 | - |
| 16:25 16:30 | 50.5 | 46.3 49.5 | - |
| 16:35 | | 46.3 | |
| 16:40 | | 47.7 | _ |
| 16:45 | | 51.2 | |
| 16:50 | | 49.1 | - |
| 16:55 | | 52.1 | - |
| 17:00 | | 53.8 | |
| 17:05 | | | |
| 17:10 17:15 | | | _ |
| 17:15 17:20 | | | |
| 17:25 | | | |
| 17:30 | | | _ |
| 17:35 | | 1 | |
| 17:40 | | 50.4 | |
| 17:45 | | | |
| 17:50 | | | |
| 17:55 | · | | |
| 18:00 | , | | |
| 18:05 | | | 1 |
| 18:10 | | | |
| 18:15 18:20 | , | | <u> </u> |
| 18:25 | | | |
| 18:30 | | | |
| 18:35 | | | |
| | | · | L |

<u>Location: N3 - Fence wall outside No. 5 village house adjacent to Luk Tei Tong River Outlet Holiday: Baseline Noise Monitoring Results</u>

| 49.40 | 47.7 | Leq, (5min) | |
|----------------|--------------|--------------|--------------|
| 18:40 18:45 | 47.7 47.5 | 53.5 54.7 | |
| 18:50 | 48.8 | 51.3 | |
| 18;55 | 52.5 | 51.8 | - |
| 19:00 | 64.8 | 51.8 | |
| 19:05 | 61.1 | 50.2 | - |
| 19:10 | 63 | 50.3 | - |
| 19:15 | 61.2 | 48 | - |
| 19:20 | 59.7 | 54.7 | - |
| 19:25 | 55.3 | 55 | - |
| 19:30 | 60.2 | 54.4 | |
| 19:35 | 55.6 | 53.2 | |
| 19:40 | 58.4 | 50.2 | |
| 19:45 | 60 56.1 | 50.6 52.5 | |
| 19:50 19:55 | 59.1 | 47.5 | |
| 20:00 | 60.9 | 47.8 | |
| 20:05 | 62.9 | 49.8 | |
| 20:10 | 53.6 | 49.5 | |
| 20:15 | 53.9 | 49.9 | - |
| 20:20 | 52.9 | 51 | - |
| 20:25 | 52.6 | 52.5 | |
| 20:30 | 52.6 | 54.7 | - |
| 20:35 | 53.6 | 52.2 | - |
| 20:40 | 51.3 | 51.6 | - |
| 20:45 | 52.2 | 52.5 | - |
| 20:50 | 53.5 | 52.6 | |
| 20:55 | 52.2 | 52.7 | - |
| 21:00 21:05 | 52.3 52.8 | 53.1 51.6 | |
| 21:03 | 50.8 | 53.8 | |
| 21:15 | 51.7 | 54.7 | |
| 21:20 | 51.4 | 53.4 | - |
| 21:25 | 51 | 54.5 | - |
| 21:30 | 51.1 | 55.9 | - |
| 21:35 | 50.6 | 54.2 | |
| 21:40 | 51.2 | 56 | - |
| 21:45 | 51 | 54.1 | - |
| 21:50 | 50.4 | 54.4 | - |
| 21:55 | 51.1 | 54.9 55,3 | |
| 22:00 | 56.6 | 54.8 | |
| 22:05 22:10 | 50.9 51.8 | 52.9 | |
| 22:15 | 51.2 | 50.7 | - |
| 22:20 | 51.5 | 49,3 | _ |
| 22:25 | 54.1 | 48.9 | - |
| 22:30 | 52.8 | 50 | |
| 22:35 | 50.9 | 54.6 | |
| 22:40 | 51.3 | 55.1 | |
| 22:45 | 51.3 | 57.3 | |
| 22:50 | 51.8 | 54.2 | |
| 22:55 | 51.9 | 53.3 | <u> </u> |
| 23:00 | 51.1 | 50.7 | - |
| 23:05 23:10 | 51.7 52.8 | 50.7 52.4 | |
| 23:15 | 53.1 | 52.7 | |
| 23:20 | * | 48.7 | <u> </u> |
| 23:25 | 53.3 | 48 | - |
| 23:30 | 54.6 | 52.8 | |
| 23:35 | 51.4 | 54.5 | |
| 23:40 | 51.2 | 53.1 | - |
| 23:45 | 51.1 | 55,2 | - |
| 23:50 | 58.1 | 54.9 | |
| 23:55 | 52.9 | 54.1 | |
| Average | | 50.1 | |
| Max | | 62.2 | |
| Min | 45.0 | 42.5 | 44.8 |
| Note: | | | |

Note: [1] Baseline monitoring at N3 started at 15:30 on 9 Sept 2007 to 16:20 on 23 Sep 2007

Location: N4 - No. 23, Village House, Tal Tel Tong River Daytime (0700-1900) for normal day Baseline Noise Monitoring Results

| T | | | | | | | Leq. (30n | nin) | | | | | |
|---------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|-----------|-----------|
| Time | 4-Oct-07 | 05-Oct-07 | 06-Oct-07 | 08-Oct-07 | 09-Oct-07 | 10-Oct-07 | 11-Oct-07 | 12-Oct-07 | 13-Oct-07 | 15-Oct-07 | | 17-Oct-07 | 18-Oct-07 |
| 7:00 | - | 55.2 | 52.8 | 54.9 | 54,0 | 53.9 | 52,1 | 51.8 | 51.8 | 52.0 | | 50.9 | 51.2 |
| 7:30 | - | 55,5 | 55.7 | 52.8 | 53.1 | 53.8 | 51.2 | 50.7 | 50.1 | 51.3 | 49.6 | 50.6 | 51.2 |
| 8:00 | - | 54.1 | 53.8 | 52.3 | 52.3 | 53.8 | 51.2 | 50.1 | 52.5 | 51.0 | 50.3 | 50.2 | 51,5 |
| 8:30 | - | 54.1 | 53.3 | 52.9 | 51.8 | 53.7 | 54.4 | 49.7 | 54.6 | 50.3 | 50.5 | 50.4 | 51.8 |
| 9:00 | | 54.3 | 53.6 | 52.1 | 52,0 | 53.3 | 53,4 | 51.4 | 51.9 | 51.4 | 50.9 | 50.3 | 51,2 |
| 9:30 | - | 54.1 | 52.9 | 52.1 | 52.3 | 53,5 | 52.8 | 50.8 | 50.8 | 5D.1 | 50.0 | 51.0 | 50.9 |
| 10:00 | - | 54.4 | [1] | 52.4 | 53.4 | 53.3 | 52.0 | 51.1 | 51.1 | 50,5 | 50.5 | 49.7 | 51.1 |
| 10:30 | | 55,8 | 52.1 | 52.0 | 52.8 | 52.9 | 54.3 | 52.5 | 50.6 | 50.3 | 52.2 | 54,3 | 51.2 |
| 11:00 | • | 55.4 | 53.9 | 51.5 | 53.0 | 53.2 | 53.8 | 51.1 | 57.0 | 51,5 | 51.5 | 54.2 | 51.9 |
| 11:30 | - | 54.8 | 53.9 | 52.8 | 54.0 | 53.7 | 51.0 | 50.9 | 58.3 | 56.0 | 52.6 | 60.0 | 57.2 |
| 12:00 | | 53.8 | 55,5 | 52.6 | 53,6 | 53.0 | 54,3 | 57.7 | 58.1 | 54.5 | | 60.1 | 56.7 |
| 12:30 | - | 54,9 | 55.3 | [1] | 50.8 | [1] | 53.1 | 54.1 | 56.4 | 49.7 | 51.7 | 51.0 | 55,9 |
| 13:00 | - | 57.8 | 53.6 | 52.3 | 50.0 | 53.0 | 51.5 | 52.5 | 54.5 | 52.8 | 48.9 | 49.6 | 49.7 |
| 13:30 | - | [1] | 53.0 | 50.9 | 49.9 | 51.8 | 51.8 | 56,6 | 52.6 | 52.0 | | 52.2 | 51.1 |
| 14:00 | | [1] | 52.7 | 52.6 | 50.7 | 51.5 | 48.9 | 58.6 | 51,1 | 50.8 | [1] | 56.5 | 53.8 |
| 14:30 | - | 52.6 | 53.8 | 51.4 | 49.9 | 53.4 | 50.9 | 56.6 | 51.2 | 49.7 | 49.0 | | 50.2 |
| 15:00 | - | 52.7 | 52.7 | 51.1 | 50.6 | 64.2 | 51.3 | 55.9 | 52.7 | 50,6 | 50.0 | [1] | 51.1 |
| 15:30 | | 52.5 | 52.9 | 51.3 | [1] | 65.1 | 51.0 | [1] | 52.0 | 49.8 | 54,4 | 55.2 | 55.6 |
| 16:00 | 55.8 | | 61.9 | 53.8 | 50.B | 64.5 | 48.7 | 50,0 | 55.7 | 50,3 | 51.8 | 53,4 | 55.9 |
| 16:30 | 55,6 | | 54.4 | 52.5 | 52.5 | 55.1 | 49.7 | 50.6 | 55.5 | 50,5 | | 52.6 | 56.4 |
| 17:00 | 55.5 | 55.8 | 54,5 | 50.8 | 51,0 | 57.7 | 49.5 | 55.7 | 57.1 | 51.7 | 51.8 | 51.4 | 55.0 |
| 17;30 | 57.9 | | 53.7 | 52.1 | 51.9 | 52,6 | 55.7 | 57.1 | 55.0 | 51.3 | | 54.5 | 53,7 |
| 18:00 | 56.7 | 54.9 | 54.1 | 53.0 | 54.4 | 50.3 | 50.2 | 55.8 | 56.8 | 51,3 | 54.3 | 58.0 | 52.4 |
| 18:30 | 56.5 | 55.1 | 55,11 | 50.1 | 51.1 | 52.4 | 51.7 | 54,8 | 57.0 | 49,9 | 52.8 | 52.1 | 52,8 |
| Average | 56.3 | 54.5 | 54.1 | 52.2 | 52.0 | 54.8 | 51.9 | 53,3 | 53.9 | 51.2 | 51.3 | 53,2 | 52.9 |
| Max | 57.9 | | 61.9 | 54.9 | 54.4 | 65.1 | 55.7 | 58.6 | 58,3 | 56.0 | 54,4 | 60.1 | 57.2 |
| Min | 55.5 | 52.5 | 52.1 | 50.1 | 49.9 | 50.3 | 48.7 | 49.7 | 50.1 | 49.7 | 48.9 | 49.6 | 49.7 |

Note:

[1] Noise measurements were paused for data downloading and replacement of batteries. The noise tevels were not reported

[2] Baseline monitoring at N4 started at 16:00 on 4 Oct 2007 to 16:40 on 19 Oct 2007

| 1 | | | | | | | Leg, (5min |) | | | | | |
|---------|----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Time | 4-Oct-07 | 05-Oct-07 | 06-Oct-07 | 08-Oct-07 | 09-Oct-07 | 10-Oct-07 | 11-Oct-07 | 12-Oct-07 | 13-Oct-07 | 15-Oct-07 | 16-Oct-07 | 17-Oct-07 | 18-Oct-07 |
| 19:00 | 56.7 | 52.4 | 53.2 | 51,5 | 53.7 | 54.9 | 49.2 | 55 | 58.6 | 50.2 | 50.7 | 54.3 | 52.3 |
| 19:05 | 57.4 | 58.1 | 54.1 | 50.7 | 52.5 | 54.6 | 50.7 | 55.7 | 57.1 | 52.7 | 51.4 | 53.2 | 52.1 |
| 19:10 | 57.4 | 54.9 | 54.4 | 51.9 | 52,7 | 54.9 | 50.9 | 55.1 | 57.7 | 51.2 | 51.5 | 52.8 | 53.8 |
| 19:15 | 57.4 | 56.9 | 53.5 | 51.4 | 52.9 | 54.9 | 49.6 | 55.5 | 57.3 | 51,7 | 52.6 | 52,6 | 53.4 |
| 19:20 | 57.2 | 60.1 | 51.8 | 50.6 | 52.5 | 51.3 | 49.7 | 54.9 | 58.1 | 51.8 | 52.5 | 53.2 | 53 |
| 19:25 | 56.8 | | 51,9 | 50.9 | 52.3 | 51.7 | 49.5 | 55.2 | 56.2 | 52.6 | 54 | 54 | 53.6 |
| 19:30 | 57.3 | 52.1 | 53 | 50,9 | 53 | 50.9 | 52.5 | 55.5 | 56.7 | 51.9 | 63.7 | 54.5 | 53.8 |
| 19:35 | 56.8 | | 54.7 | 51.2 | 54,1 | 49.7 | 49.8 | 55.5 | 58.1 | 52.6 | 54.1 | 54.6 | 53.4 |
| 19:40 | 55.6 | | 54,3 | 51 | 52,6 | 49.8 | 50.8 | 55.1 | 58.9 | 52.4 | 53.6 | 55.3 | 53.4 |
| 19:45 | 54.9 | | 54.8 | 51 | 52.2 | 49.9 | 50 | 54.9 | 59.3 | 51,2 | 49.8 | 56.1 | 53.6 |
| 19:50 | 54.8 | | 56.9 | 53.5 | 51 | 52.3 | 54.6 | 54.9 | 59.5 | 49.2 | 49 | 55.5 | 53.2 |
| 19:55 | 54.4 | 53.4 | 53 | 65.8 | 49.9 | 49.4 | 49.9 | 55.1 | 58.9 | 49,5 | 49,5 | 54.6 | 53.1 |
| 20:00 | 54.5 | | 51,5 | 54.6 | 49,5 | 48.4 | 49,7 | 54,6 | 61.9 | 49.2 | 49.6 | 54 | 52.7 |
| 20:05 | 54.8 | | 52,7 | 52.7 | 51.9 | 49 | 49.6 | 57.8 | 60.9 | 4B.8 | 49.9 | 53.2 | 48 |
| 20:10 | 54.6 | | 51.4 | 51.1 | 49.9 | 49 | 50 | 56 | 60.2 | 48.7 | 48.5 | 53.2 | 47.4 |
| 20:15 | 56.4 | | 52 | 50,9 | 52 | 49 | 49.9 | 58.7 | 61.2 | 48.4 | 49.4 | 53.3 | 47.4 |
| 20:20 | 54.3 | | 53.7 | 50,3 | 50 | 49.5 | 49.9 | 55,9 | 60.5 | 48,6 | 49.1 | 53.4 | 47.9 |
| 20:25 | 54,4 | | 51,3 | 51.3 | 52 | 49.2 | 50 | 57.1 | 58.6 | 49 | 51.1 | 54.2 | 48.1 |
| 20:30 | 54.3 | | 51.4 | 53.8 | 52 | 49.8 | 52.3 | 54.5 | 56.9 | 48.6 | 49.8 | 51.8 | 49,1 |
| 20:35 | 54.2 | 51.B | 51.3 | 52.9 | 51.8 | 50.2 | 49.4 | 56.5 | 59.7 | 48.3 | 48.7 | 52.2 | 49.2 |
| 20:40 | 54.4 | 52.1 | 51.5 | 51.5 | 54.5 | 48.9 | 48.4 | 50,9 | 60 | 48.5 | 49.2 | 50.9 | 49.4 |
| 20:45 | 54.9 | | 51.1 | 50.7 | 52.7 | 49.4 | 49 | 51.3 | 58.9 | 48.4 | 50.6 | 49.7 | 49.5 |
| 20:50 | 56.1 | 52.1 | 51.6 | 51.1 | 53.7 | 50.9 | 49 | 50 | 59.8 | 49.4 | 49.1 | 48.7 | 48.6 |
| 20:55 | 57.4 | 52.6 | 53 | 55.2 | 49.8 | 49.2 | 49.2 | 53.4 | 60.1 | 48.9 | 49.8 | 48.7 | 50.9 |
| 21:00 | 57.4 | 53.1 | 52.3 | 52.8 | 50.4 | 49.5 | 49.8 | 52.6 | 59.7 | 49.1 | 49.3 | 48.8 | 50.6 |
| 21:05 | 58.4 | 52.2 | 51.5 | 50.5 | 50.7 | 50.7 | 50.2 | 51.7 | 59.8 | 49.3 | 49.1 | 64.5 | 49.2 |
| 21:10 | 60.2 | 52 | 51.6 | 50.6 | 49.6 | 51 | 49 | 53.2 | 58.9 | 49,4 | 49.4 | 48.4 | 50,9 |
| 21:15 | 57.9 | | 51.3 | 52.2 | 49.3 | 49.3 | 49.5 | 53.8 | 59.7 | 48.5 | 48.8 | 48.9 | 48.7 |
| 21:20 | 55,3 | | 53.3 | 51 | 49,3 | 55.1 | 48.9 | 53.6 | 58,1 | 54.7 | 47.7 | 48.8 | 48.4 |
| 21:25 | 54 | | 51.9 | 50.4 | 50 | 48.4 | 49.4 | 53.8 | 59,3 | 49.9 | 47.9 | 47.9 | 48.4 |
| 21:30 | 54.3 | | 51.4 | 5D.8 | 52.9 | 50.6 | 50.9 | 54.3 | 59 | 48,9 | 48.2 | 48.1 | 48.4 |
| 21:35 | 59.6 | | 54.6 | 50.1 | 49.3 | 49.2 | 49.2 | 55.1 | 57.7 | 48.8 | 48.7 | 48.4 | 48.9 |
| 21:40 | 54 | | 56 | 50.2 | 48.7 | 50.2 | 49.8 | 55.6 | 57 | 48.9 | 49.3 | 47.9 | 48.3 |
| 21:45 | 54.7 | 56.3 | 56.8 | 50.6 | 48.6 | 49.2 | 49.9 | 53.9 | 57.5 | 50.1 | 49.3 | 47.6 | 48,5 |
| 21:50 | 54.4 | | 61,2 | 51 | 49 | 49.3 | 51 | 52.9 | 55.6 | 48.3 | 49,1 | 49 | 49.3 |
| 21:55 | 57 | 52.2 | 56.5 | 50,1 | 4B.5 | 49 | 49.3 | 56.1 | 57 | 48,6 | 49,7 | 48.6 | 51.1 |
| 22:00 | 57.2 | | 55.6 | 50.3 | 51.3 | 49.6 | 55.1 | 52.8 | 54.8 | 48.5 | 48.1 | 55.4 | 53.6 |
| 22:05 | 56.5 | | 51.2 | 50.1 | 52.3 | 48.3 | 48.4 | 52.2 | 54.5 | 48.8 | 49 | 49.9 | 50,9 |
| 22:10 | 56,7 | 52,3 | 51,3 | 50.3 | 53.5 | 52.2 | 49.5 | 52.5 | 54.7 | 50,5 | 51.6 | 47.B | 49.9 |
| 22:15 | 56.8 | | 51.6 | 50,7 | 53,5 | 53 | 50.7 | 52.5 | 59 | 48,4 | 52.5 | 47.9 | 49.8 |
| 22:20 | 56.8 | | 51.4 | 50,1 | 51.6 | 51.1 | 50,6 | 52.7 | 59.1 | 49.1 | 49 | 50 | 50.2 |
| 22:25 | 56.9 | | 52 | 51.3 | 55.7 | 49.8 | 49.2 | 53.1 | 61.4 | 48.4. | 48.4 | 48.3 | 51.6 |
| 22:30 | 56.7 | 54.6 | 51.9 | 50.2 | 53.9 | 49.3 | 50.2 | 52.4 | 54.7 | 49 | 47.9 | 48.9 | 50.7 |
| 22:35 | 57 | | 51,6 | 50 | 53.1 | 49.5 | 49.2 | 52.4 | 54.7 | 48.4 | 49.8 | 49.1 | 49.7 |
| 22:40 | 56.8 | | 51.8 | 49.9 | 54.3 | 49.5 | 49,3 | 52.4 | 54.2 | 48.7 | 47.B | 47.6 | 49.4 |
| 22:45 | 54.4 | | 52.5 | 50.5 | 55.5 | 48.9 | 49.2 | 51.4 | 54.3 | 48.1 | 50.3 | 47.5 | 49,4 |
| 22:50 | 53,9 | | 52.6 | 49.3 | 54.2 | 52.9 | 49.2 | 50.8 | 54.5 | 49.9 | 48.9 | 47.4 | 49.7 |
| 22:55 | 54.1 | 51.6 | 51.6 | 50.7 | 53.1 | 54.1 | 49.9 | 49.3 | 54.3 | 48.5 | 48 | 48.6 | 50.7 |
| Average | 56.0 | 53,3 | 53,0 | 51.5 | 51,8 | 50.6 | 50,0 | 54.0 | 58.0 | 49,6 | 50,1 | 51.0 | 50.5 |
| Max | 60.2 | | 61.2 | 65,8 | 55.7 | 55,1 | 55.1 | 58,7 | 61.9 | 54.7 | 63.7 | 56.1 | 53.8 |
| Min | 53.9 | 51.4 | 51.1 | 49,3 | 48.5 | 48.3 | 48.4 | 49.3 | 54.2 | 48.1 | 47.7 | 47.4 | 47.4 |

| The column The | · · · | | | | | | | Leg, (5m | ılın) | | | | | |
|---|-------|---------------|-------------|--------|------|------|------|----------|---|---------|-----------|-------------------|-----------|-------------------|
| 1988 | | 4-Oct-07 | | | | | | | | | 15-Oct-07 | 16-Oct-07 49.5 | 17-Oct-07 | 18-Oct-07 47,9 |
| Columb C | | | | | | | | | | 53.3 | 48.7 | 50,2 | 51.7 | 47.9 |
| | 0:10 | - | | | | | | | | | | | | 48.7 48.4 |
| 1925 1927 124 262 267 152 263 263 263 264 262 264 265 26 | | - | | | | | | | | | | | | 48.8 |
| Part | | | | 52.4 | 50.5 | 49.7 | 52.4 | 50.3 | 49,9 | | | | | 4B.1 |
| Dec | | - | | | | | | | | | | | | 47.9 47.5 |
| ONE SERI S | | | | | | | | | | | | | | 47.5 |
| OSS | | | 53.8 | 52.1 | 50.6 | 51.1 | | | | | | | | 48 47.3 |
| 1985 | | | | | | | | | | | | | | 47.3 |
| 1985 1986 1987 | | | | | | | | | | 51.4 | 48.7 | 48.3 | 48,8 | 47.2 |
| 115 | 1:05 | | | | | | | | | | | | | 47.5 47.6 |
| 128 | | | | | | | | | | | | | | 48.7 |
| 130 | | | | | | 51.3 | 53.7 | 50 | 48.9 | 54.4 | 49.2 | | | 48.7 |
| 133 | 1;25 | • | | | | | | | | | | | | 48.6 47.9 |
| 140 | | | | | | | | | | | | | | 49,1 |
| 150 | | | | 52 | 50 | 49,5 | 55.5 | | | | | | | 48.2 47.9 |
| 152 | | | | | | | | | | | | | | 49.7 |
| 200 | | | | | | | | | | | 52.7 | 48.2 | 49,4 | 49.7 |
| 2:10 | | | 53.6 | 51.9 | 51 | | | | | | | | | 50 49.8 |
| Color | | | | | | | | | | | | | | |
| 220 | | - | | 55.7 | 51.1 | 49,3 | 65 | 49.7 | 49.2 | 51.1 | 52.9 | 48.6 | 47.5 | 48.1 |
| 233 | 2:20 | - | 53.6 | 51.9 | | | | | | | | | | 48.5 47.5 |
| 223 | | | | | | | | | | | | 47.7 | 47.8 | 48.9 |
| 240 557 524 607 528 563 465 465 465 445 541 445 | | | 53.6 | 51.4 | 50,6 | 49.5 | 56.6 | 49.4 | 53.1 | 53.3 | 54.3 | | | 50 |
| 250 | 2:40 | - | | | | | | | | | | | | 48.4 48.2 |
| 258 | | | | | | | | | | 51.9 | 52,3 | 47.9 | 50,3 | 49 |
| 336 | 2:55 | | 53.4 | 51.5 | 50.4 | 48,9 | 51.8 | 50.6 | | 51 | | | | 48.6 48.5 |
| \$\frac{3}{3}\frac{1}{1}\$\$ \begin{align*}{ccc} \frac{3}{3}\frac{1}{1}\$\$ \begin{align*}{ccc} \frac{3}{3}\frac{1}{1}\$\$ \end{align*}{ccc} \frac{3}{3}\frac{1}{ | | | | | | | | | | | | | | 49.2 |
| 3.20 | | | | | | | 54.2 | 49.7 | 49.3 | 49.6 | 52.9 | | | 50.5 |
| 3.355 | | | | | | | | | | | | | | 50.2 53.4 |
| 330 | | : | | | | | | | | | | | 50.9 | 53.2 |
| 3.40 \$3.7 \$22 \$1 \$10.8 \$13,3 \$00.5 \$49.7 \$51.8 \$49.8 \$0.5 \$49.4 \$42.1 \$43.3 \$3.56 \$1.56 \$1.56 \$1.9 \$0.09 \$0.1 \$52.6 \$0.22 \$63.8 \$52.3 \$49.2 \$49.8 \$44.2 \$42.3 \$3.55 \$1.56 \$1.56 \$1.9 \$0.09 \$0.1 \$52.6 \$0.22 \$63.8 \$52.3 \$49.2 \$49.8 \$44.2 \$42.3 \$3.55 \$1.56 \$1.56 \$1.56 \$49.8 \$1.9 \$40.5 \$49.8 \$40.5 \$1.1 \$49 \$49.2 \$46.5 \$40.0 \$1.56 \$1.56 \$1.9 \$40.5 \$49.8 \$1.9 \$60.8 \$49.2 \$1.56 \$1.1 \$49 \$49.2 \$46.5 \$40.0 \$1.56 \$1.9 \$40.5 \$1.9 \$1.9 \$40.5 \$1.9 \$1.9 \$40.5 \$1.9 \$1.9 \$40.5 \$1.9 | | | 53.5 | 52 | 50.7 | 49.3 | 51.8 | 49.9 | | | | | | 52.7 52 |
| 2.45 53.6 59.6 50.6 51.2 51.9 46.9 50.1 55.5 46.4 49.2 48.5 | | | | | | | | | | | | | | 53.1 |
| 3:50 | | | | | | | | | | 55.5 | 49.4 | 52.1 | 48.3 | 54.4 |
| 400 | 3:50 | | | | | | | | | | | | | 52.6 52.6 |
| 405 | | | | | | | | | | | | | | |
| 1.15 | | | | 62 | | 49 | 53 | 49,6 | 50.8 | 52.8 | | | | |
| 1.20 | | | | | | | | | | | | | | |
| 4:25 | | : | | | | | | | | | 48.2 | 48.7 | 48.3 | 49.4 |
| 4.335 | 4:25 | | 53.3 | 54.5 | | | | | | | | | | |
| 440 | | | | | | | | | | | | | | |
| 4:50 | | | 53.€ | 51.8 | 50.7 | 49.3 | 64.1 | | | | | | | |
| 485 | | | | | | | | | | | | | | |
| 5:00 | | | | | | | | | | | 48.2 | 49,1 | 48 | 47.2 |
| Sino 63.4 51.1 50.6 50.8 52.8 50.5 50.7 48.5 48.4 50.1 51.5 | | | | | | | | | | | | | | |
| 5:16 - 552 52 51 51.1 50.5 53 50.5 55.3 48.7 49.2 49.2 51.5 51.1 50.8 52.1 49.7 51.9 48.6 49.2 50.5 52.8 51.1 51.2 50.4 52.6 50.1 51.2 48.7 49.6 49.2 50.3 55.3 55.3 51.1 51.2 51.5 50.9 52.6 51.8 51.6 48.7 49.4 49.1 50.8 55.3 55.3 55.1 51.5 50.9 52.6 51.8 51.6 48.7 49.4 49.1 50.8 50.2 55.5 55.5 48.7 49.4 49.1 50.8 50.2 55.5 55.5 48.7 49.9 44.5 50.2 55.5 54.4 49.1 49.8 49.9 46.5 50.2 55.5 54.4 45.1 50.8 50.1 50.3 50.1 55.5 54.4 51.9 54.4 51.9 54.5 53.4 | | | | | | | | | | | | | | |
| 5.25 | 5:15 | | 53.2 | 2 52 | 51.3 | 50.5 | 53 | 50.5 | 55.3 | 48.7 | 49.2 | 49.2 | | |
| 5:30 54.6 51.8 51.5 60.9 52.5 51.8 51.5 48.7 49 49.1 50.8 5:35 - 53.8 51.1 51.2 51 51.9 53.1 51.2 48.7 49 48.5 50.2 5:40 - 55.8 51.7 51.3 51.9 52.1 48.7 49 48.6 50.2 5:45 - 55.5 51.4 51.1 50.7 52.2 50.8 51.5 48.9 49.2 48.6 50.6 50.6 50.4 54.8 51.7 51.2 49.4 50.7 48.6 69.1 50.0 50.4 54.8 51.7 51.2 49.4 50.7 48.6 49.9 50.0 56.8 49.9 48.6 50.1 50.0 50.4 54.8 51.7 51.2 49.4 50.7 48.6 59.0 50.4 54.8 51.7 59.0 50.0 50.4 54.8 51.7 59.0 50. | | | | | | | | | | | | | | |
| 5:35 - 53.8 51.1 51.2 51 51.9 52.1 52.1 49.7 49 48.5 50.6 5:40 - 53.8 51.7 51.3 51.9 54.2 52 51.8 49.4 49.4 48.6 50.6 5:45 - 55.5 51.4 51.1 50.7 52.2 50.8 51.5 48.9 49.2 48.6 80.1 5:50 - 56.1 51.5 50.8 50.4 51.5 50.8 50.4 48.8 49.2 48.6 49.9 6:00 - 54.4 51.9 54.5 51.8 51.1 49.1 48.8 49.9 6:00 - 54.8 52.2 54.1 52.9 54.5 51.9 51.7 49.3 51.1 49.9 50.1 50.3 50.7 50.6 49.9 50.1 50.1 50.1 50.6 49.9 50.1 50.1 50.1 54.5 49.2 | | | | | | | 52.5 | 51.8 | 51.5 | 48.7 | 49 | 49.1 | 50.8 | 51.3 |
| 5:46 - 55.5 51.4 51.1 50.7 52.2 50.8 51.5 48.8 49.2 48.6 50.1 5:50 - 55.1 51.5 50.8 50.4 51.2 51.2 49.4 50.7 48.6 49.9 5:55 54.4 51.9 54 51.1 52.6 53.1 51.8 61.1 49.1 48.8 49.9 6:00 - 54.8 52.2 54.1 52.9 54.5 53.4 51.3 49 50.1 50.3 50.7 6:05 - 57.0 52.6 52.9 52.3 54.5 51.9 51.7 49.3 51.1 50.3 50.7 50.1 50.3 50.7 50.4 60.1 50.1 50.3 50.7 50.4 60.1 50.1 50.2 50.1 50.4 60.2 50.1 50.4 60.2 50.5 50.4 49.2 50.3 50.4 50.4 50.4 50.6 49.2< | 5:35 | | 53.8 | 51.1 | 51.2 | 51 | 51.9 | 53.1 | 51.2 | 48.7 | | | | |
| 5:50 55,1 51,5 50,8 50,4 54,8 51,7 51,2 49,4 50,7 48,6 49,9 5:55 - 54,4 51,9 54 51,5 52,6 53,1 51,8 51,1 49,1 48,8 49,9 6:00 - 54,6 52,9 52,3 54,5 53,4 51,3 49 50,1 50,3 50,7 6:05 - 57,0 52,6 52,9 52,3 54,5 51,9 61,7 49,3 51,1 55,6 49,9 6:10 - 55,0 51,3 52,2 52,2 55,3 57,5 49,7 50 49,5 52,1 55,6 49,9 6:15 - 55,1 52,9 54,5 52,2 56,3 57,5 49,7 50 49,5 52,1 50,6 6:20 - 56,1 51,4 54,7 54,1 57,6 54,5 49,2 50,3 55,1 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>49,7</td></th<> | | | | | | | | | | | | | | 49,7 |
| 5:00 - 54.8 52 54.1 52.9 54.5 53.4 51.3 49 50.1 50.3 50.7 6:05 - 57.0 52.6 52.9 52.3 54.5 51.9 51.7 49.3 51.1 55.6 49.7 51 50.4 6:10 - 65.0 51.3 52.2 52.2 52.7 53.8 51.2 50.2 49.7 51 50.4 6:15 - 55.1 52.9 54.5 62.2 56.3 57.5 49.7 50 49.5 52.1 50.6 6:20 - 55.1 51.4 54.7 54.1 57.6 54.5 49.2 50.3 55 50.4 51.6 50.4 6:22 - 55.9 51.8 53.7 52.8 55.1 56.4 49.2 50.3 55 50.4 51.5 6:30 - 55.3 51.7 51.7 51.2 52.8 53.3 <td>5:50</td> <td></td> <td>55.</td> <td>51.5</td> <td>50.8</td> <td>50.4</td> <td>54.6</td> <td>51.7</td> <td>51.2</td> <td>2 49.4</td> <td>50.7</td> <td></td> <td></td> <td></td> | 5:50 | | 55. | 51.5 | 50.8 | 50.4 | 54.6 | 51.7 | 51.2 | 2 49.4 | 50.7 | | | |
| 6:05 - 57.0 52.6 52.9 52.3 54.5 51.9 51.7 49.3 51.1 55.6 49.9 6:10 - 55.0 51.3 52 52.2 52.7 53.8 51.2 50.2 49.7 50 49.5 52.1 50.6 6:15 - 55.1 52.9 54.5 52.2 56.3 57.5 49.7 50 49.5 52.1 50.6 6:20 - 56.1 51.4 54.7 54.1 57.6 54.5 49.2 53.9 54.1 51.6 50.4 6:25 - 55.9 51.8 53.7 52.8 55.1 56.6 49.2 50.3 55.7 49.8 51.5 6:30 - 56.2 51.6 54.7 52.8 53.3 50 50.4 55.7 49.8 51.5 6:35 - 55.3 51.7 51.6 54.6 51.8 51.9 53.1 51 | | | | | | | | | | | | | | |
| 6:10 | | | | 52,6 | 52.9 | 52.3 | 54.5 | 51.9 | 51.7 | 49.3 | 51.1 | 55.6 | 49.9 | 52.5 |
| 6:20 - 56.1 51.4 54.7 54.1 57.6 54.5 49.2 53.9 54.1 51.6 50.4 6:25 - 55.9 51.8 53.7 52.8 55.1 56.6 49.2 50.3 55.9 50.4 51.5 6:30 - 56.2 51.6 54.7 52.9 52.8 55.1 56.6 49.2 50.3 55.7 49.8 51.5 6:35 - 55.3 51.7 51.7 51.7 51.8 54.6 51.8 49.7 49.9 55.8 53.7 49.7 6:40 - 55.1 52.1 52.7 52.4 53.1 51 50.1 49.2 56.8 50.6 50.6 52.6 6.8 51.8 51.8 51.1 51.1 51.1 51.1 51.1 51 | 6:10 | | 55.0 | 51.3 | | | | | | | | | | |
| 6:25 - 55.9 51.8 53.7 52.8 55.1 56.6 49.2 50.3 55 50.4 51 6:30 - 56.2 51.6 54.7 52.9 52.8 53.3 50 50.4 53.7 49.8 51.5 6:36 - 555.3 51.7 51.7 51.6 54.6 54.8 49.7 49.9 55.8 53.7 49.7 6:40 - 55.1 52.1 52.7 52.4 53.1 51 50.1 49.2 56.8 50.6 52.6 6:45 - 58.3 52.7 51.9 51.8 52.5 51.4 51.8 51.7 49.6 49.4 51.2 6:50 - 55.7 56.2 51.8 52.1 52.2 52.8 53.1 53.1 53.1 51.7 49.6 49.4 51.2 6:55 - 54.9 51 52.2 52.8 54.7 55.1 52.1 53.1 53.1 53.1 51.7 49.6 49.4 51.2 6:55 - 54.9 51 52.2 52.8 54.7 55.1 62 50.7 49.6 49.4 54.3 47.9 48.4 47.4 23:05 53.9 52.1 51.4 49.4 52.5 50.7 49.6 49.4 54.3 47.9 48.4 47.4 23:10 54.1 52.3 52.1 49.7 51.1 50.7 49.7 49.8 54.3 47.9 48.4 47.4 23:10 54.1 52.3 52.1 49.7 51.1 50.7 49.7 49.8 54.3 47.9 48.3 48.1 23:15 54.2 51.8 52 49.5 54.1 50.9 50.4 49.7 49.8 54.3 47.9 48.3 48.1 23:20 54 51.6 52.5 49.7 55.3 49 50.5 49.7 54.8 48.5 47.8 50.7 50.7 50.9 50 49.3 54.4 49.8 48.5 47.8 50.7 50.7 50.9 50 50 50.8 50.9 50.4 49.8 48.5 47.8 50.7 50.7 50.9 50 50 50.8 49.3 54.4 47.9 48.6 48.7 50.7 50.7 50.7 50.9 50 50 50.8 49.3 54.3 47.9 48.8 48.1 49.6 50.7 50.7 50.9 50 50 50.8 50.9 50.7 50.7 50.7 50.7 50.7 50.7 50.7 50.7 | | | | | | | | | | | | 51,6 | 50.4 | 53.7 |
| 6:35 - 55.3 51.7 51.7 51.8 54.6 51.8 49.7 49.9 55.8 53.7 49.7 6:40 - 55.1 52.1 52.7 52.4 53.1 51 50.1 49.2 56.8 50.6 52.6 6:45 - 58.3 52.7 51.8 51.8 51.8 51.1 51.8 51.1 53.3 49.3 52.4 6:50 - 56.7 56.2 51.8 51.9 53.1 53.1 51.7 49.6 49.4 51.2 6:55 - 54.9 51 52.2 52.8 54.7 55.1 52 50.7 49.7 49.1 49.5 23:00 54.2 52.2 51.4 49.4 52.6 50.7 49.6 49.4 54.3 47.7 48.4 47.4 23:05 53.9 52.1 51 49.8 51.6 50.5 49.3 49.2 54.3 47.7 | 6:25 | | 55. | 51.8 | 53.7 | 52.8 | 55,1 | 1 56.€ | 49.2 | 2 50.3 | 55 | 50.4 | 51 | 55.7 |
| 6:40 - 55.1 52.1 52.7 52.4 53.1 51 50.1 49.2 56.8 50.6 52.6 6:45 - 58.3 52.7 51.9 51.8 52.5 51.4 51.8 51.7 49.6 49.4 51.2 6:50 - 56.7 56.2 51.8 51.9 53.1 53.1 51.7 49.6 49.4 49.4 51.2 6:55 - 54.9 51 52.2 52.8 54.7 55.1 62 50.7 49.7 49.1 49.5 23:00 54.2 52.2 51.4 49.4 52.0 50.7 49.6 49.4 54.3 47.9 48.4 47.4 23:05 53.9 52.1 51 49.8 51.6 50.5 49.3 49.2 54.3 47.7 54.4 49.5 23:10 54.1 52.3 52.1 49.7 55.1 50.7 49.8 54.3 47.9 | | | | | | | | | | | | | | |
| 6:46 - 58.3 52.7 51.8 51.8 52.5 51.4 51.8 51.1 53.3 49.3 52.4 6:50 - 56.7 56.2 51.8 51.9 53.1 53.1 53.1 51.7 49.6 49.4 51.2 6:55 - 54.9 51 52.2 52.8 54.7 55.1 52 50.7 49.7 49.1 49.5 23:00 54.2 52.2 51.4 49.4 52.6 50.7 49.6 49.4 54.3 47.9 48.4 47.4 23:05 53.9 52.1 51 49.8 51.6 50.5 49.3 49.2 54.3 47.7 54.4 49.5 23:10 54.1 52.3 52.1 49.7 51.1 50.7 49.7 49.8 54.3 47.9 48.3 48.1 23:15 54.2 51.8 52 49.5 54.1 50.9 50 49.3 54.4 | | | | | | | | \$ 5° | 50. | 49.2 | 56.8 | 50.6 | 52.6 | 52.6 |
| 6:55 - 54.9 51 52.2 52.8 54.7 55.1 62 50.7 49.7 49.1 49.5 23:00 54.2 52.2 51.4 49.4 52.5 50.7 49.6 49.4 54.3 47.7 54.4 49.5 23:05 53.9 52.1 51 49.8 51.6 50.5 49.3 49.2 54.3 47.7 54.4 49.5 23:10 54.1 52.3 52.1 49.7 51.1 50.7 49.7 49.8 54.3 47.9 48.3 48.1 23:15 54.2 51.8 52 49.5 54.1 50.9 50 49.3 54.4 49.9 48.5 47.8 23:20 54 51.6 52.5 49.7 55.3 49 50.5 49.7 54.8 48.5 47.8 23:20 53.8 56.5 52.1 49.8 54.7 52.7 50.5 50 54.4 47.9 <td>6:45</td> <td></td> <td></td> <td>3 52.7</td> <td>51.9</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | 6:45 | | | 3 52.7 | 51.9 | | | | | | | | | |
| 23:00 54.2 52.2 51.4 49.4 52.5 50.7 49.6 49.4 54.3 47.9 48.4 47.4 23:05 53.9 52.1 51 49.8 51.6 50.5 49.3 49.2 54.3 47.7 54.4 49.5 23:10 54.1 52.3 52.1 49.7 51.1 50.7 49.7 49.8 54.3 47.9 48.3 48.1 23:15 54.2 51.8 52 49.5 54.1 50.9 50 49.3 54.4 49 48.5 47.8 23:20 54 51.6 52.5 49.7 55.3 49 50.5 49.7 54.8 48.5 47.8 23:25 53.8 56.5 52.1 49.8 54.7 52.7 50.5 50.5 54.8 48.5 48.6 48.9 23:30 53.9 51.7 52.4 49.8 52.7 50.5 50.5 50.5 54.3 | | | | | | | | | | | | | | |
| 23:10 54.1 52.3 52.1 49.7 51.1 50.7 49.7 49.8 54.3 47.9 48.3 48.1 23:15 54.2 51.8 52 49.6 54.1 50.9 50 49.3 54.4 49 49.5 47.8 23:20 54 51.6 52.5 49.7 55.3 49 50.5 49.7 54.8 48.6 48.7 50.7 23:25 53.8 56.5 52.1 49.8 54.7 52.7 50.5 50 54.4 47.9 48.6 48.9 23:30 53.9 51.7 52.4 49.8 52.4 50.6 51.9 49.3 54.3 48.1 49.4 46.5 23:35 53.9 51.5 52.7 49.5 53.6 53.8 50.6 54.3 48.3 51.8 49.3 23:40 53.8 52.8 52.1 49.5 52.4 49.8 49.7 50.4 54.2 | 23:00 | 54.2 | 52. | 2 51.4 | 49.4 | 52.6 | 50. | 7 49.6 | 49.4 | \$ 54.3 | 47.9 | 48.4 | 47.4 | 49. |
| 23:15 54.2 51.8 52 49.5 54.1 50.9 50 49.3 54.4 49 48.5 47.8 23:20 54 51.6 52.5 49.7 55.3 49 50.5 49.7 54.8 48.5 48.7 50.7 23:25 53.8 56.5 52.1 49.8 54.7 52.7 50.5 50 54.4 47.9 48.6 48.9 23:30 53.9 51.7 52.4 49.8 52.4 50.6 51.9 49.3 54.3 48.1 49.4 48.5 23:35 53.9 51.5 52.7 49.5 53 53.6 53.8 50.6 54.3 48.3 51.8 49.3 23:40 53.8 52.8 52.1 49.5 52.4 49.8 49.7 50.4 54.2 48.7 52.6 48 23:46 55.4 53.1 52.3 49.4 53.5 50 50.1 50.4 54.2 </td <td></td> | | | | | | | | | | | | | | |
| 23:20 54 51.6 52.5 49.7 55.3 49 50.5 49.7 54.8 48.6 48.7 50.7 23:25 53.8 56.5 52.1 49.8 54.7 52.7 50.5 50 54.4 47.9 48.6 48.9 23:30 53.9 51.7 52.4 49.8 52.4 50.6 51.9 49.3 54.3 48.1 49.4 48.5 23:35 53.9 51.5 52.7 49.5 53 53.6 53.8 50.6 54.3 49.3 51.8 49.3 23:40 53.8 52.8 52.1 49.5 52.4 49.8 49.7 50.4 54.2 48.7 52.6 48 23:46 55.4 53.1 52.3 49.8 53.5 50 50.1 50.4 54.3 48.2 48.8 48.2 23:50 53.8 52.5 51.5 49.9 56.2 50.1 51.8 50.2 | | | | | | | | | | | | | 47.8 | 49,2 |
| 23:30 53.9 51.7 52.4 49.8 52.4 50.6 51.9 49.3 54.3 48.1 49.4 48.5 23:35 53.9 51.5 52.7 49.5 53 53.6 53.8 50.6 54.3 48.3 51.8 49.3 23:40 53.8 52.8 52.1 49.5 52.4 49.8 49.7 50.4 54.2 48.7 52.6 48 23:46 55.4 53.1 52.3 49.4 53.5 50 50.1 50.4 54.3 48.2 48.8 48.2 23:50 53.8 52.5 51.5 49.9 56.2 50.1 51.8 50.2 54.2 48.2 50.1 47.6 | 23;20 | 54 | 51. | 52.5 | 49.7 | 55.3 | 49 | 50.5 | 49. | 7 54.6 | 48.5 | 48.7 | 50.7 | 7 48.5 |
| 23:35 53.9 51.5 52.7 49.5 53 53.6 53.8 50.6 54.3 49.3 51.8 49.3 23:40 53.8 52.8 52.1 49.5 52.4 49.8 49.7 50.4 54.2 48.7 52.6 48. 23:46 55.4 53.1 52.3 48.4 53.5 50 50.1 50.4 54.3 48.2 48.8 48.2 23:50 53.8 52.5 51.5 49.8 56.2 50.1 51.8 50.2 54.2 48.2 50.1 47.6 | | | | | | | | | | | | | | |
| 23'40 53.8 52.8 52.1 49.5 52.4 49.8 49.7 50.4 54.2 48.7 52.6 48 23'45 55.4 53.1 52.3 49.4 53.5 50 50.1 50.4 54.3 48.2 48.8 48.2 23'50 53.8 52.5 51.5 49.9 56.2 50.1 51.8 50.2 54.2 48.2 50.1 47.6 | | | | | | | | | | | 49.3 | 51.8 | 49.3 | 48.5 |
| 23:50 53.8 52.5 51.5 49.9 56.2 50.1 51.8 50.2 54.2 48.2 50.1 47.6 | 23:40 | 53.8 | 52. | 8 52.1 | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | 7 51.8 | 52.4 | 56.3 | 49. | 4 53, | 50, | 54.5 | 49.9 | 48.6 | 47.4 | 48.1 |
| Average 54.2 53.8 52.0 51.0 51.1 54.4 50.9 50.6 52.0 50.3 49.2 49.3 | | | | | | | | | | | | | | |
| Max 55.4 58.3 56.2 54.7 56.3 66.1 57.6 55.3 56.7 56.8 55.6 54.0 Min 53.8 51.5 51.0 49.4 48.7 49.0 49.2 48.4 48.5 47.7 47.5 47.4 | | | | | | | | | | | | | | |
| Note: 11 Baseline monitoring at NA stated at 15:00 on 4 Oct 2007 to 16:40 on 19 Oct 2007 | Note: | | | • | | | | -1 ,5, | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | , | | | | |

[1] Baseline monitoring at N4 started at 16:00 on 4 Oct 2007 to 16:40 on 19 Oct 2007

Location: N4 - No. 23, Village House, Tai Tei Tong River Holiday: Baseline Noise Monitoring Results

| 2:00 | | * . | 1.144 | |
|--|------|------|-------|------|
| 0:00 51.3 54.3 48.2 0:05 51.3 54.4 51.8 0:10 52.1 54.5 53.3 54.4 51.8 0:10 52.1 54.5 53.3 0:15 51.9 54.2 58 0:20 52 54.2 48.7 0:25 51.7 54.4 48.2 0:30 52.1 54 48.2 0:35 52.1 54 48.2 0:35 52.5 54.1 47.9 0:40 52.1 53.9 56.6 0:45 51.7 54 48.5 0:55 51.7 54 48.5 0:55 51.7 54 48.5 0:55 51.7 54 48.5 0:55 51.7 54 48.5 0:55 51.2 54.7 51.3 0:50 51 54 4 48.7 0:50 51 54 4 48.7 0:50 51 54 4 48.3 0:50 51 54 4 48.3 0:50 51 54 4 48.3 0:50 51 54 4 48.3 0:50 51 54 4 48.3 0:50 51 54 4 48.3 0:50 51 54 4 48.3 0:50 51 54 4 48.3 0:50 51 54 4 48.3 0:50 51 54 54 54 54 54 54 54 54 54 54 54 54 54 | | | | |
| 0:05 | | | | |
| 0:10 | | | | |
| 0:15 | | | | |
| 0:20 52 54.2 48.7 0:25 51.7 54.4 48.2 0:30 52.1 54 48.2 0:30 52.1 53.9 50.6 0:40 52.1 53.9 50.6 0:45 51 54 48.5 0:50 51.2 54 48.5 0:55 53 54.3 48.2 1:00 51.7 54.4 48.8 1:00 51 54.4 48.8 1:00 51 54.4 48.8 1:00 51 54.4 48.8 1:00 51 54.4 48.8 1:00 51 54.4 48.8 1:01 54.4 48.8 1:02 54.7 54.7 51.3 1:20 51.1 54.4 48.3 1:25 51.1 54.4 48.3 1:25 51.1 54.4 48.3 1:25 51.1 54.1 48.7 1:30 51.3 54.3 48.2 1:40 51.8 54.5 48.4 1:45 51.9 54.5 48.8 1:55 51.7 54.6 48.2 1:55 51.7 54.6 48.2 1:55 51.7 54.6 48.2 1:55 51.7 54.6 48.8 1:55 51.7 54.6 48.8 1:55 51.7 54.6 48.8 1:55 51.7 54.6 48.8 1:55 51.7 54.6 48.8 1:55 51.7 54.6 48.8 1:55 51.7 54.6 48.8 1:55 51.7 54.6 48.8 1:55 51.7 54.6 48.8 1:55 51.7 54.6 48.8 1:55 51.7 54.6 48.8 1:55 51.7 54.6 48.8 1:55 52.1 55.1 47.8 1:30 51.8 54.7 47.9 1:31 52.1 55.1 54.7 54.8 1:31 52.1 55.1 55.1 55.1 55.1 55.1 55.1 55. | | | | |
| 0:25 | | | | |
| 0:30 52.1 54 48.2 0:35 52 54.1 47.9 0:40 52.1 53.9 56.8 0:45 51 54 48.5 0:50 51.2 54 48.5 0:55 53 54.3 48.2 1:00 51.7 54.4 48.5 1:05 51 54.4 48.7 1:10 51 54.6 47.7 1:10 51 54.6 47.7 1:10 51 54.4 48.3 1:20 51.1 54.4 48.3 1:25 51.1 54.4 48.3 1:20 51.1 54.4 48.3 1:25 51.1 54.1 48.7 1:30 51.3 54.3 48.2 1:40 51.8 54.5 48.8 1:50 51.8 54.3 48.2 1:40 51.8 54.5 48.8 1:50 51.6 54.6 48.2 1:55 51.7 54.6 49.9 2:00 52 54.5 48.8 2:05 52.3 54 47.8 2:10 51.9 54.7 47.9 2:15 52.1 55.1 47.8 2:20 51.9 54.3 47.8 2:20 51.9 54.3 47.8 2:25 52.2 54.3 47.8 2:26 52.2 54.3 47.8 2:27 55.1 54.7 47.9 2:28 52.2 54.3 47.8 2:29 51.9 54.3 47.8 2:20 51.9 54.3 47.8 2:20 51.9 54.3 47.8 2:21 55.1 52.1 53.8 48.3 2:44 51.7 54 63.8 2:45 51.7 54 63.8 2:46 51.7 54 63.8 2:47 47.9 2:48 51.7 54 63.8 2:49 52.1 53.8 48.3 2:40 52.1 53.8 48.3 2:45 51.7 54.6 48.3 3:10 52.4 53.8 48.3 3:20 51.8 52.1 53.8 48.3 3:20 51.8 52.1 53.8 48.3 3:20 51.8 54.7 47.9 3:22 55 52.2 54.3 47.8 3:24 55.1 54.1 54.1 47.8 3:25 54.2 48.2 3:30 51.8 54.7 47.9 3:44 55.1 54.7 54.8 3:50 51.8 53.9 55 3:55 52.1 53.8 48.3 3:20 51.9 54.2 48.2 3:30 52.4 53.8 48.3 3:30 52.4 53.8 48.3 3:30 52.4 53.8 48.3 3:30 52.4 53.8 48.3 3:30 52.4 53.8 48.3 3:40 51.6 54.6 47.9 3:44 55.1 54.7 47.9 3:45 54.7 54.8 3:45 54.7 54.8 3:46 54.9 54.2 47.8 3:47 54.9 3:48 54.9 54.9 54.9 54.9 3:49 54.9 54.9 54.9 54.9 3:40 52.1 53.8 48.9 3:40 52.1 53.8 48.3 3:40 52.4 53.8 48.5 3:50 51.9 54.2 47.8 3:30 52.4 54.2 48.2 3:30 51.8 54.7 54.8 3:30 52.4 54.2 48.2 3:30 51.8 54.7 54.9 3:40 52.1 53.8 48.3 3:40 54.6 47.9 3:40 54.1 54.4 47.5 3:40 54.1 54.4 47.5 3:40 54.1 54.4 47.5 3:40 54.1 54.4 47.5 3:40 54.1 54.4 47.5 3:40 54.1 54.4 47.5 3:40 54.1 54.4 47.5 3:40 54.1 54.4 47.5 3:40 54.4 54.4 47.5 3:40 54.5 54.5 47.9 3:40 54.5 54.5 47.9 3:40 54.5 54.5 54.5 47.9 3:40 54.5 54.5 54.5 47.9 3:40 54.5 54.5 54.5 54.5 47.9 3:40 54.5 54.5 54.5 54.5 54.5 54.5 54.5 54 | | | | |
| 0.35 | | | | |
| 0:45 51 54 48.5 0:50 51.2 54 48.5 0:55 53 54.3 48.2 1:00 51.7 54.4 48.8 1:05 51 54.6 47.9 1:10 51 54.6 47.9 1:11 51.15 51.2 54.6 48.3 1:20 51.1 54.4 48.3 1:20 51.1 54.4 48.3 1:25 51.1 54.4 48.3 1:25 51.1 54.4 48.3 1:25 51.1 54.4 48.3 1:25 51.1 54.4 48.3 1:25 51.1 54.4 48.3 1:25 51.1 54.4 48.3 1:25 51.1 54.4 48.3 1:25 51.1 54.4 48.3 1:25 51.1 54.4 48.3 1:25 51.1 54.4 48.3 1:25 51.1 54.4 48.3 1:25 51.1 54.1 48.7 1:30 51.8 54.5 48.4 1:45 51.8 54.5 48.4 1:45 51.8 54.5 48.4 1:45 51.8 54.5 48.4 1:45 51.8 54.5 48.4 1:45 51.8 54.5 48.4 1:20 51.6 54.6 48.2 1:55 51.7 54.6 49.9 1:00 52 54.5 48.4 1:00 51.8 54.7 47.9 1:15 52.1 55.1 47.8 1:10 51.9 54 47.9 1:15 52.1 55.1 47.8 1:20 51.8 54.7 47.9 1:230 51.8 54.7 47.9 1:230 51.8 54.7 47.9 1:240 52.1 53.8 48.3 1:245 51.7 54 68.8 1:255 52.2 54.3 47.8 1:230 51.8 54.7 47.9 1:235 52.2 54.3 47.8 1:240 52.1 53.8 48.3 1:245 51.7 54 68.8 1:355 52.1 55.8 48.8 1:355 52.1 55.8 54.2 48.2 1:30 51.8 54.7 47.9 1:30 52.1 53.8 48.3 1:31 52.1 53.8 54.7 47.9 1:31 52.1 53.8 54.7 47.9 1:32 54 52.1 55.8 48.3 1:340 52.1 53.8 48.3 1:355 52.1 55.8 54.2 48.2 1:350 52.1 55.8 48.3 1:36 52.1 55.8 48.3 1:37 52.1 55.8 48.5 1:38 52.1 55.8 48.5 1:39 52.1 55.8 48.5 1:30 52.1 54.4 48.3 1:45 51.7 54.8 53.8 48.3 1:45 51.7 54.8 53.8 48.3 1:45 51.7 54.8 53.8 54.5 1:46 53.8 54.5 47.9 1:47 54.8 54.8 54.8 54.8 54.8 54.8 54.8 54.8 | 0:35 | | 54.1 | 47.9 |
| 0:50 51.2 54 48.5 0:55 53 54.3 48.2 1:00 51.7 54.4 48.8 1:05 51 54.4 48.7 1:10 51 54.6 47.9 1:15 51.2 54.7 51.3 1:20 51.1 54.4 48.7 1:30 51.3 54.3 48.7 1:30 51.3 54.3 48.7 1:30 51.3 54.3 48.7 1:35 51.8 54.3 48.7 1:36 54.5 48.4 1:45 51.9 54.5 48.4 1:45 51.9 54.5 48.8 1:50 51.6 54.6 48.2 1:55 51.7 54.6 49.9 2:00 52 54.5 48.4 2:00 52 54.5 48.4 2:00 52 54.5 48.4 2:10 51.9 54.3 47.7 2:25 52.2 54.3 47.8 2:20 51.9 54.3 47.7 2:25 52.2 54.3 47.8 2:30 51.8 54.3 48.3 2:40 52.1 53.8 48.3 2:45 51.7 54.6 48.3 2:40 52.1 53.8 48.3 2:45 51.7 54.6 48.3 2:40 52.1 53.8 48.3 2:45 51.7 54.6 48.3 2:45 51.7 54.6 48.3 2:46 52.1 53.8 48.3 2:45 51.7 54.6 48.3 3:10 52.4 53.8 48.3 3:10 52.4 53.8 48.3 3:10 52.4 53.8 48.3 3:20 51.9 54.2 48.2 3:30 51.8 52.9 55.3 54.4 3:30 52.1 54.8 48.1 3:30 52.1 54.9 48.1 3:30 52.1 54.9 54.9 54.9 54.9 54.9 54.9 54.9 54.9 | | | 53.9 | |
| 0.555 | | | | |
| 1:00 51.7 54.4 48.8 1.105 51 54.4 48.7 1.110 51 54.6 47.9 1.115 51.2 54.7 51.3 1.120 51.1 54.6 47.9 1.115 51.2 54.7 51.3 1.120 51.1 54.1 48.7 1.130 51.3 54.3 48.7 1.130 51.3 54.3 48.7 1.135 51.8 54.5 48.4 1.45 51.8 54.5 48.4 1.45 51.8 54.5 48.4 1.45 51.8 54.5 48.4 1.45 51.8 54.5 48.4 1.45 51.9 54.5 48.8 1.150 51.6 54.6 48.2 1.155 51.7 54.6 49.9 1.155 51.7 54.6 49.9 1.155 51.7 54.6 49.9 1.155 51.7 54.6 47.8 1.150 51.9 54.3 47.8 1.150 51.9 54.2 48.2 1.150 51.9 54.2 48.2 1.150 51.9 54.2 48.2 1.150 51.9 54.2 48.2 1.150 51.9 54.2 48.2 1.150 51.9 54.2 48.2 1.150 51.9 54.2 47.8 1.150 51.9 54.2 47.8 1.150 51.9 54.2 47.8 1.150 51.9 54.2 47.8 1.150 51.9 54.2 47.8 1.150 51.9 54.2 47.8 1.150 51.9 54.2 47.8 1.150 51.9 54.2 47.8 1.150 51.9 54.2 47.8 1.150 51.1 54.2 47.7 47.9 54.5 51.5 54.4 47.5 54.5 47.9 54.5 54.5 54.5 54.5 54.5 54.5 54.5 55.5 54.2 55.5 5 | | | | |
| 1:05 | | | | |
| 1:10 51 54.6 47.9 1:15 51.2 54.7 51.3 1:20 51.1 54.4 48.3 1:25 51.1 54.1 48.7 1:30 51.3 54.3 48.7 1:35 51.8 54.3 48.2 1:40 51.8 54.5 48.4 1:45 51.0 54.5 48.8 1:50 51.6 54.6 49.9 1:55 51.7 54.6 49.9 1:50 52.3 54 47.8 1:20 52.3 54 47.8 1:21 55.1 55.1 47.8 1:22 52 54.5 48.8 1:50 51.8 54.3 48.2 1:40 51.8 54.5 48.8 1:50 51.6 54.6 49.9 1:55 51.7 54.6 49.9 1:55 51.7 54.6 49.9 1:55 52.3 54 47.8 1:50 52.3 54 47.8 1:50 52.3 54 47.8 1:50 52.3 54 47.8 1:50 52.3 54 47.8 1:50 52.1 55.1 47.8 1:50 52.1 55.1 47.8 1:50 52.2 54.3 47.8 1:50 52.2 54.3 47.8 1:50 52.1 55.8 48.3 1:50 52.2 54.3 48.3 1:50 52.1 55.8 48.3 1:50 52.1 55.8 48.3 1:50 52.1 55.8 48.3 1:50 52.1 55.8 48.3 1:50 52.1 55.8 48.3 1:50 52.1 55.8 48.3 1:50 52.1 55.8 48.3 1:50 52.1 55.8 48.3 1:50 52.1 55.8 53.9 55 1:55 52 54.2 48.2 1:50 51.8 53.9 55 1:55 52 54.2 48.2 1:50 51.8 53.9 55 1:55 52 54.2 48.2 1:50 51.8 53.9 55 1:55 52.1 54.4 48.3 1:50 52.1 55.8 48.3 1:50 52.1 55.8 48.3 1:50 52.1 54.4 48.3 1:50 52.1 55.8 48.3 1:50 52.1 54.4 48.3 1:50 52.1 55.8 48.3 1:50 52.1 54.4 48.3 1:50 52.1 55.8 48.5 1:50 55.8 47.9 1:40 52.1 53.8 48.5 1:50 55.1 54.5 54.4 54.4 1:40 55.1 55.8 54.9 54.5 1:40 52.1 55.8 54.9 54.5 1:40 52.1 55.8 54.9 54.5 1:40 52.1 55.8 54.9 54.5 1:40 52.1 55.8 54.9 54.5 1:40 52.1 55.8 54.9 54.5 1:40 52.1 55.8 54.9 54.5 1:40 52.1 55.8 54.9 54.5 1:40 52.1 55.8 54.9 54.5 1:40 52.1 55.8 54.9 54.5 1:40 52.1 55.8 54.9 54.5 1:40 52.1 54.9 54.9 54.9 54.9 54.9 54.9 54.9 54.9 | | | | |
| 1:20 51.1 54.4 48.3 1:25 51.1 54.1 48.7 1:30 51.3 54.3 48.7 1:35 51.8 54.3 48.2 1:40 51.8 54.5 48.4 1:45 51.9 54.5 48.8 1:50 51.6 54.6 49.9 2:00 52 54.5 48.4 2:00 52 54.5 48.4 2:00 52 54.5 48.4 2:01 51.9 54.4 47.8 2:10 51.9 54.3 47.8 2:10 51.9 54.3 47.7 2:20 51.9 54.3 47.7 2:21 52.1 55.1 47.8 2:20 51.9 54.3 47.7 2:25 52.2 54.3 47.8 2:30 51.8 53.7 47.9 2:36 52.2 54.3 47.9 | | | | |
| 1:25 51.1 54.1 48.7 1:30 51.3 54.3 48.7 1:35 51.8 54.5 48.4 1:40 51.8 54.5 48.4 1:45 51.9 54.5 48.8 1:50 51.6 54.6 48.2 1:55 51.7 54.6 49.9 2:00 52 54.5 48.4 2:05 52.3 54 47.8 2:10 51.9 54.3 47.9 2:15 52.1 55.1 47.8 2:20 51.9 54.3 47.7 2:25 52.2 54.3 47.9 2:30 51.8 54.7 47.9 2:35 52.2 54.3 47.8 2:30 51.8 54.7 47.9 2:35 52.2 54.3 47.7 2:36 52.2 54.3 47.9 2:35 52.1 53.8 48.3 | 1:15 | 51.2 | 54.7 | 51.3 |
| 1:30 | 1:20 | 51.1 | | 48.3 |
| 1:35 51.8 54.3 48.2 1:40 51.8 54.5 48.4 1:45 51.9 54.5 48.8 1:50 51.6 64.6 48.2 1:55 51.7 54.6 49.9 2:00 52 54.5 48.4 2:10 51.9 54 47.9 2:15 55.1 47.8 2:20 51.9 54.3 47.7 2:25 52.2 54.3 47.8 2:30 51.8 54.7 47.9 2:35 52.2 54.3 47.7 2:26 52.2 54.3 47.8 2:30 51.8 54.7 47.9 2:35 52.2 54.4 47.9 2:36 52.2 54.3 47.9 2:36 52.1 53.8 48.3 2:50 51.8 53.9 55 2:55 52.1 53.8 48.3 3:00 | | | | |
| 1:40 51.8 54.5 48.4 1:45 51.9 54.5 48.8 1:50 51.6 54.6 48.2 1:55 51.7 54.6 49.9 2:00 52 54.5 48.4 2:05 52.3 54 47.8 2:10 51.9 54.3 47.9 2:15 52.1 55.1 47.8 2:20 51.9 54.3 47.7 2:25 52.2 54.3 47.9 2:30 51.8 54.7 47.9 2:35 52.2 54.3 47.9 2:35 52.2 54.4 47.9 2:36 52.1 53.8 48.3 2:40 52.1 53.8 48.3 2:45 51.7 54 53.8 2:55 52 54.2 48.2 3:00 52.1 54 48.1 3:05 52.1 <t>54 48.3 3:1</t> | | | | |
| 1:45 51.8 54.5 48.8 1:50 51.6 54.6 48.2 1:55 51.7 54.6 49.9 2:00 52 54.5 44.6 2:05 52.3 54 47.8 2:10 51.9 54 47.9 2:15 52.1 55.1 47.8 2:20 51.9 54.3 47.7 2:25 52.2 54.3 47.8 2:30 51.8 54.7 47.9 2:35 52.2 54 47.9 2:36 52.2 54 47.9 2:40 52.1 53.8 48.3 2:45 51.7 54 53.6 2:55 52.1 53.8 48.3 3:00 52.1 54 48.1 3:00 52.1 54 48.3 3:10 52.4 53.8 48.3 3:10 52.4 53.8 48.3 3:15 </td <td></td> <td></td> <td></td> <td></td> | | | | |
| 1:50 51.6 54.6 48.2 1:55 51.7 54.6 49.9 2:00 52 54.5 48.4 2:05 52.3 54 47.8 2:10 51.9 54 47.9 2:15 52.1 55.1 47.8 2:20 51.9 54.3 47.7 2:25 52.2 54.3 47.8 2:30 51.8 54.7 47.9 2:35 52.2 54.3 47.9 2:35 52.2 54.3 47.9 2:40 52.1 53.8 48.3 2:45 51.7 54 53.6 2:55 52.2 54.2 48.2 3:00 52.1 54 48.3 3:00 52.1 54 48.3 3:05 52.1 54 48.3 3:10 52.4 53.8 48.5 3:25 51.9 54.5 47.8 3:25 | | | | |
| 1:55 51.7 54.6 49.9 2:00 52 54.5 48.4 2:05 52.3 54 47.8 2:10 51.9 54 47.9 2:15 52.1 55.1 47.8 2:20 51.9 54.3 47.7 2:25 52.2 54.3 47.8 2:30 51.8 54.7 47.9 2:35 52.2 54.3 48.3 2:40 52.1 53.8 48.3 2:45 51.7 54 53.6 2:50 51.8 53.9 55 2:55 52 54.2 48.2 3:00 52.1 54.4 48.3 3:10 52.4 53.8 48.5 3:15 52.1 53.8 48.5 3:15 52.1 53.8 48.5 3:16 52.1 53.8 48.5 3:17 54 53.6 3:25 51.9 54.5 47.8 3:30 52.1 54.2 47.8 3:30 52.3 56.4 48.1 3:35 52.1 55.8 47.9 3:40 51.6 54.6 47.9 3:45 51.5 54.5 47.6 3:55 51.5 54.5 47.6 4:10 51.6 54.3 47.6 4:20 52 54.2 47.8 4:30 51.1 54.2 47.6 4:15 51.1 54.2 47.6 4:25 51.8 54.5 47.9 4:36 51.1 54.2 47.6 4:37 51.1 54.2 47.6 4:45 51.1 54.2 47.6 4:55 51.1 54.3 47.6 4:55 51.1 54.5 47.9 5:00 51.1 54.2 47.6 4:55 51.1 54.3 47.6 4:55 51.1 54.4 47.5 4:55 51.1 54.5 47.9 5:00 51.1 54.2 47.6 5:50 56.4 55.1 55.9 5:50 50.8 53.9 47.5 5:50 56.4 55.1 56.8 5:50 56.4 55.1 56.8 6:00 50.8 53.9 47.5 5:45 54.9 55.4 47.6 5:56 51.7 57.2 47.6 5:56 51.7 57.2 47.6 5:56 51.7 57.2 47.6 5:56 51.7 57.2 47.6 5:56 51.7 57.2 47.6 5:56 51.7 57.2 47.6 5:56 51.1 54.9 55.4 47.6 5:56 56.4 55.1 55.8 6:00 50.8 53.9 57.7 6:00 50.8 58.6 48.6 6:05 51.1 60.2 52.4 6:00 50.8 56.6 48.6 6:05 51.1 60.2 52.4 6:00 50.8 56.6 48.6 6:05 51.1 60.2 52.4 6:00 50.8 56.6 48.6 6:00 50.8 56.6 48.6 6:00 50.8 56.6 61.3 6:01 56.7 61.3 50.1 | | | | |
| 2:00 52 54.5 48.4 2:05 52.3 54 47.8 2:10 51.9 54 47.9 2:15 52.1 55.1 47.8 2:20 51.9 54.3 47.7 2:25 52.2 54.3 47.8 2:30 51.8 54.7 47.9 2:35 52.2 54 47.9 2:40 52.1 53.8 48.3 2:45 51.7 54 53.6 2:50 51.8 53.9 55 2:55 52 54.2 48.2 3:00 52.1 54 48.1 3:05 52.1 54.2 48.1 3:05 52.1 53.8 48.5 3:10 52.4 53.8 48.5 3:15 52.1 53.8 48.5 3:20 51.9 54.2 47.8 3:30 52.3 56.4 48.1 3:35 </td <td></td> <td></td> <td></td> <td>49.9</td> | | | | 49.9 |
| 2:10 51.9 54 47.9 2:15 52.1 55.1 47.8 2:20 51.9 54.3 47.7 2:26 52.2 54.3 47.8 2:30 51.8 54.7 47.9 2:35 52.2 54 47.9 2:40 52.1 53.8 48.3 2:45 51.7 54 53.6 2:50 51.8 53.9 65 2:55 52 54.2 48.2 3:00 52.1 54 48.1 3:05 52.1 54 48.3 3:10 52.4 53.8 48.5 3:15 52.1 53.8 48.5 3:20 51.9 54.2 47.8 3:25 51.9 54.2 47.8 3:30 52.3 56.4 48.1 3:35 52.1 55.8 47.9 3:45 51.6 54.6 47.9 3:45 | | | | 48.4 |
| 2:15 52.1 55.1 47.8 2:20 51.9 54.3 47.7 2:25 52.2 54.3 47.8 2:30 51.8 54.7 47.9 2:35 52.2 54 47.9 2:40 52.1 53.8 48.3 2:45 51.7 54 53.6 2:50 51.8 53.9 55 2:55 52 54.2 48.2 3:00 52.1 54 48.1 3:00 52.1 54 48.3 3:10 52.4 53.8 48.5 3:15 52.1 53.8 48.5 3:25 51.9 54.2 47.8 3:20 51.9 54.2 47.8 3:30 52.3 56.4 48.1 3:35 52.1 55.8 47.9 3:40 51.6 54.6 47.9 3:45 51.5 54.5 47.6 4: | | | 54 | 47.8 |
| 2:20 51.9 54.3 47.7 2:25 52.2 54.3 47.8 2:30 51.8 54.7 47.9 2:35 52.2 54 47.9 2:40 52.1 53.8 48.3 2:45 51.7 54 53.6 2:55 52 54.2 48.2 3:00 52.1 54 48.1 3:05 52.1 54 48.3 3:10 52.4 53.8 48.5 3:15 52.1 53.8 48.3 3:20 51.9 54.2 47.8 3:25 51.9 54.5 47.8 3:30 52.3 56.4 48.1 3:35 52.1 55.8 47.9 3:40 51.6 54.6 47.9 3:45 51.5 54.4 50.4 3:55 51.5 54.5 47.6 3:55 51.5 54.5 47.9 | | | | |
| 2:25 52.2 54.3 47.8 2:30 51.8 54.7 47.9 2:35 52.2 54 47.9 2:40 52.1 53.8 48.3 2:45 51.7 54 53.6 2:55 52 54.2 48.2 3:00 52.1 54 48.1 3:05 52.1 54 48.3 3:10 52.4 53.8 48.5 3:15 52.1 53.8 48.5 3:20 51.9 54.2 47.8 3:20 51.9 54.2 47.8 3:30 52.3 56.4 48.1 3:30 52.3 56.4 48.1 3:35 51.9 54.5 47.8 3:30 52.3 56.4 48.1 3:35 52.1 55.8 47.9 3:40 51.6 54.6 47.9 3:45 51.5 54.4 50.4 | | | | |
| 2:30 51.8 54.7 47.9 2:35 52.2 54 47.9 2:40 52.1 53.8 48.3 2:45 51.7 54 53.6 2:55 52 54.2 48.2 3:00 52.1 54 48.1 3:05 52.1 54 48.3 3:10 52.4 53.8 48.5 3:15 52.1 53.8 48.5 3:20 51.9 54.2 47.8 3:25 51.9 54.5 47.8 3:30 52.3 56.4 48.1 3:35 52.1 55.8 47.9 3:40 51.6 54.6 47.9 3:45 51.5 54.4 50.4 3:50 51.5 54.5 47.6 3:50 51.5 54.5 47.9 3:45 51.5 54.4 50.4 3:40 51.6 54.6 47.9 | | | | |
| 2:35 52.2 54 47.9 2:40 52.1 53.8 48.3 2:45 51.7 54 53.6 2:50 51.8 53.9 55 2:55 52 54.2 48.2 3:00 52.1 54 48.1 3:05 52.1 54 48.1 3:10 52.4 53.8 48.5 3:15 52.1 53.8 48.5 3:20 51.9 54.2 47.8 3:25 51.9 54.5 47.8 3:30 52.3 56.4 48.1 3:35 52.1 55.8 47.9 3:40 51.6 54.6 47.9 3:45 51.5 54.4 50.4 3:50 51.5 54.5 47.6 4:00 51.6 55.5 47.9 4:00 51.6 55.1 50.8 4:05 51.4 54.4 47.6 4: | | | | |
| 2:40 52.1 53.8 48.3 2:45 51.7 54 53.6 2:50 51.8 53.9 65 2:55 52 54.2 48.2 3:00 52.1 54 48.3 3:05 52.1 54 48.3 3:10 52.4 53.8 48.5 3:15 52.1 53.8 48.5 3:20 51.9 54.2 47.8 3:25 51.9 54.5 47.8 3:30 52.3 56.4 48.1 3:35 52.1 55.8 47.9 3:40 51.6 54.6 47.9 3:45 51.5 54.4 50.4 3:45 51.5 54.4 50.4 3:40 51.6 54.6 47.9 3:45 51.5 54.4 50.4 3:50 51.5 54.5 47.6 4:00 51.6 55.1 50.8 | | | | |
| 2:50 51.8 53.9 55 2:55 52 54.2 48.2 3:00 52.1 54 48.1 3:05 52.1 54 48.3 3:10 52.4 53.8 48.5 3:15 52.1 53.8 48.5 3:20 51.9 54.2 47.8 3:25 51.9 54.5 47.8 3:30 52.3 56.4 48.1 3:35 52.1 55.8 47.9 3:40 51.6 54.6 47.9 3:45 51.5 54.4 50.4 3:50 51.5 54.5 47.6 3:55 51.2 55.5 47.6 4:00 51.6 55.1 50.8 4:05 51.4 54.4 47.5 4:10 51.6 54.2 47.6 4:25 51.8 54.5 47.9 4:25 51.8 54.5 47.9 <t< td=""><td></td><td></td><td>53.8</td><td>48.3</td></t<> | | | 53.8 | 48.3 |
| 2:55 52 54.2 48.2 3:00 52.1 54 48.1 3:05 52.1 54 48.3 3:10 52.4 53.8 48.5 3:15 52.1 53.8 48.5 3:20 51.9 54.2 47.8 3:25 51.9 54.5 47.8 3:30 52.3 56.4 48.1 3:35 52.1 55.8 47.9 3:40 51.6 54.6 47.9 3:45 51.5 54.4 50.4 3:55 51.5 54.4 50.4 3:55 51.5 54.5 47.6 3:55 51.5 54.5 47.6 3:55 51.5 54.5 47.6 4:00 51.6 55.1 50.8 4:00 51.6 54.2 47.6 4:10 51.6 54.2 47.6 4:20 52 54.2 48 | 2:45 | 51.7 | 54 | 53.6 |
| 3:00 52.1 54 48.1 3:05 52.1 54 48.3 3:10 52.4 53.8 48.5 3:15 52.1 53.8 48 3:20 51.9 54.2 47.8 3:25 51.9 54.5 47.8 3:30 52.3 56.4 48.1 3:35 52.1 55.8 47.9 3:40 51.6 54.6 47.9 3:45 51.5 54.4 50.4 3:50 51.5 54.5 47.6 3:55 51.2 55.5 47.9 4:00 51.6 55.1 50.8 4:00 51.6 54.2 47.6 4:10 51.6 54.2 47.6 4:20 52 54.2 48 4:20 52 54.2 48 4:25 51.8 54.5 47.7 4:35 51.1 54.3 47.6 4:40 | | | | 55 |
| 3:05 52.1 54 48.3 3:10 52.4 53.8 48.5 3:15 52.1 53.8 48 3:20 51.9 54.2 47.8 3:25 51.9 54.5 47.8 3:30 52.3 56.4 48.1 3:35 52.1 55.8 47.9 3:40 51.6 54.6 47.9 3:45 51.5 54.4 50.4 3:50 51.5 54.5 47.6 3:55 51.2 55.5 47.9 4:00 51.6 55.1 50.8 4:00 51.6 55.1 50.8 4:10 51.6 54.2 47.6 4:10 51.6 54.2 47.6 4:20 52 54.2 48 4:20 52 54.2 48 4:25 51.8 54.5 47.9 4:30 51.1 54.3 47.6 4: | | | | |
| 3:10 52.4 53.8 48.5 3:15 52.1 53.8 48 3:20 51.9 54.2 47.8 3:25 51.9 54.5 47.8 3:30 52.3 56.4 48.1 3:35 52.1 55.8 47.9 3:40 51.6 54.6 47.9 3:45 51.5 54.4 50.4 3:50 51.5 54.5 47.6 3:55 51.2 55.5 47.9 4:00 51.6 55.1 50.8 4:05 51.4 54.4 47.5 4:00 51.6 55.1 50.8 4:10 51.6 54.2 47.6 4:15 51.6 54.3 47.6 4:20 52 54.2 48 4:25 51.8 54.5 47.9 4:30 51.1 54.2 47.7 4:35 51.1 54.3 47.5 | | | | |
| 3:15 52.1 53.8 48 3:20 51.9 54.2 47.8 3:25 51.9 54.5 47.8 3:30 52.3 56.4 48.1 3:35 52.1 55.8 47.9 3:40 51.6 54.6 47.9 3:45 51.5 54.4 50.4 3:50 51.5 54.5 47.6 3:55 51.2 55.5 47.9 4:00 51.6 55.1 50.8 4:05 51.4 54.4 47.5 4:10 51.6 55.1 50.8 4:20 52 54.2 47.6 4:20 52 54.2 47.6 4:20 52 54.2 47.7 4:30 51.1 54.3 47.6 4:35 51.1 54.3 47.5 4:40 51 54.5 47.7 4:45 51.1 54.4 47.9 | | | | |
| 3:20 51.9 54.2 47.8 3:25 51.9 54.5 47.8 3:30 52.3 56.4 48.1 3:35 52.1 55.8 47.9 3:40 51.6 54.6 47.9 3:45 51.5 54.4 50.4 3:50 51.5 54.5 47.6 3:55 51.2 55.5 47.9 4:00 51.6 55.1 50.8 4:05 51.4 54.4 47.5 4:10 51.6 54.2 47.6 4:20 52 54.2 47.6 4:20 52 54.2 48 4:20 52 54.2 48 4:30 51.1 54.2 47.7 4:35 51.1 54.3 48 4:40 51 54.5 47.7 4:45 51.1 54.4 47.6 4:55 51 53.9 47.5 4:55 </td <td></td> <td></td> <td></td> <td>48</td> | | | | 48 |
| 3:30 52.3 56.4 48.1 3:35 52.1 55.8 47.9 3:40 51.6 54.6 47.9 3:45 51.5 54.4 50.4 3:50 51.5 54.5 47.6 3:55 51.2 55.5 47.9 4:00 51.6 55.1 50.8 4:05 51.4 54.4 47.5 4:10 51.6 54.2 47.6 4:15 51.6 54.3 47.6 4:20 52 54.2 48 4:25 51.8 54.5 47.9 4:30 51.1 54.2 47.7 4:35 51.1 54.3 47.6 4:40 51 54.5 47.9 4:45 51.1 54.3 47.6 4:50 50.8 53.9 47.5 4:45 51.1 54.4 47.6 4:50 50.8 53.9 47.5 | 3:20 | 51.9 | 54.2 | 47.8 |
| 3:35 52.1 55.8 47.9 3:40 51.6 54.6 47.9 3:45 51.5 54.4 50.4 3:50 51.5 54.5 47.6 3:55 51.2 55.5 47.9 4:00 51.6 55.1 50.8 4:05 51.4 54.4 47.5 4:10 51.6 54.2 47.6 4:15 51.6 54.3 47.6 4:20 52 54.2 48 4:25 51.8 54.5 47.9 4:30 51.1 54.2 47.7 4:35 51.1 54.3 48 4:40 51 54.5 47.7 4:45 51.1 54.4 47.6 4:50 50.8 53.9 47.5 4:50 50.8 53.9 47.5 4:55 51 53.9 47.8 5:00 51.1 54.5 47.3 | | | _ | 47.8 |
| 3:40 51.6 54.6 47.9 3:45 51.5 54.4 50.4 3:50 51.5 54.5 47.6 3:55 51.2 55.5 47.9 4:00 51.6 55.1 50.8 4:05 51.4 54.4 47.5 4:10 51.6 54.2 47.6 4:15 51.6 54.3 47.6 4:20 52 54.2 48 4:25 51.8 54.5 47.9 4:30 51.1 54.2 47.7 4:35 51.1 54.3 48 4:40 51 54.5 47.7 4:45 51.1 54.4 47.6 4:50 50.8 53.9 47.5 4:50 50.8 53.9 47.5 4:50 50.8 53.9 47.5 5:00 51.1 54.4 47.6 4:55 51 53.9 47.8 | | | | |
| 3:45 51.5 54.4 50.4 3:50 51.5 54.5 47.6 3:55 51.2 55.5 47.9 4:00 51.6 55.1 50.8 4:05 51.4 54.4 47.5 4:10 51.6 54.2 47.6 4:15 51.6 54.3 47.6 4:20 52 54.2 48 4:25 51.8 54.5 47.9 4:30 51.1 54.2 47.7 4:35 51.1 54.3 48 4:40 51 54.5 47.7 4:45 51.1 54.4 47.6 4:50 50.8 53.9 47.5 4:50 50.8 53.9 47.5 4:50 50.8 53.9 47.5 5:00 51.1 54.4 47.6 5:00 51.1 54.5 47.3 5:05 51.1 54.5 47.3 <t< td=""><td></td><td></td><td></td><td></td></t<> | | | | |
| 3:50 51.5 54.5 47.6 3:55 51.2 55.5 47.9 4:00 51.6 55.1 50.8 4:05 51.4 54.4 47.5 4:10 51.6 54.2 47.6 4:15 51.6 54.3 47.6 4:20 52 54.2 48 4:25 51.8 54.5 47.9 4:30 51.1 54.2 47.7 4:35 51.1 54.3 48 4:40 51 54.5 47.7 4:45 51.1 54.4 47.6 4:50 50.8 53.9 47.5 4:55 51 53.9 47.5 5:00 51.1 54.4 47.6 4:55 51 53.9 47.5 5:00 51.1 54.5 47.3 5:10 51.1 54.5 47.4 5:15 51.2 54.7 47.2 5: | | | | |
| 3:55 51.2 55.5 47.9 4:00 51.6 55.1 50.8 4:05 51.4 54.4 47.5 4:10 51.6 54.2 47.6 4:15 51.6 54.3 47.6 4:20 52 54.2 48 4:25 51.8 54.5 47.9 4:30 51.1 54.2 47.7 4:35 51.1 54.3 48 4:40 51 54.5 47.7 4:45 51.1 54.4 47.6 4:50 50.8 53.9 47.5 5:00 50.1 54.4 47.9 5:00 51.1 54.4 47.9 5:05 51.1 54.5 47.3 5:10 51.1 54.5 47.3 5:10 51.1 54.5 47.4 5:15 51.2 54.7 47.2 5:20 51 55.7 47.3 | | | | |
| 4:05 51.4 54.4 47.5 4:10 51.6 54.2 47.6 4:15 51.6 54.3 47.6 4:20 52 54.2 48 4:25 51.8 54.5 47.9 4:30 51.1 54.2 47.7 4:35 51.1 54.3 48 4:40 51 54.5 47.7 4:45 51.1 54.4 47.6 4:50 50.8 53.9 47.5 4:55 51 53.9 47.8 5:00 51.1 54.4 47.9 5:05 51.1 54.5 47.9 5:05 51.1 54.5 47.3 5:10 51.1 54.5 47.3 5:15 51.2 54.7 47.2 5:20 51 55.7 47.3 5:25 51 55.3 48.1 5:30 50.9 57 47.6 5:40 </td <td></td> <td></td> <td></td> <td>47.9</td> | | | | 47.9 |
| 4:10 51.6 54.2 47.6 4:15 51.6 54.3 47.6 4:20 52 54.2 48 4:25 51.8 54.5 47.9 4:30 51.1 54.2 47.7 4:35 51.1 54.3 48 4:40 51 54.5 47.7 4:45 51.1 54.4 47.6 4:50 50.8 53.9 47.8 5:00 51.1 54.4 47.9 5:05 51.1 54.5 47.9 5:05 51.1 54.5 47.9 5:05 51.1 54.5 47.9 5:05 51.1 54.5 47.3 5:10 51.1 54.3 47.4 5:15 51.2 54.7 47.2 5:20 51 55.7 47.3 5:25 51 55.3 48.1 5:30 50.9 54.8 47.5 5: | 4:00 | 51.6 | 55.1 | 50.8 |
| 4:15 51.6 54.3 47.6 4:20 52 54.2 48 4:25 51.8 54.5 47.9 4:30 51.1 54.2 47.7 4:35 51.1 54.3 48 4:40 51 54.5 47.7 4:45 51.1 54.4 47.6 4:50 50.8 53.9 47.8 5:00 51.1 54.5 47.9 5:05 51.1 54.5 47.9 5:05 51.1 54.5 47.3 5:10 51.1 54.3 47.4 5:15 51.2 54.7 47.2 5:20 51 55.7 47.3 5:25 51 55.3 48.1 5:30 50.9 54.8 47.5 5:35 50.9 57 47.6 5:40 50.6 55.3 47.6 5:50 56.4 55.1 47.6 5:50 | | | | 47.5 |
| 4:20 52 54.2 48 4:25 51.8 54.5 47.9 4:30 51.1 54.2 47.7 4:35 51.1 54.3 48 4:40 51 54.5 47.7 4:45 51.1 54.4 47.6 4:50 50.8 53.9 47.5 4:55 51 53.9 47.8 5:00 51.1 54.3 47.4 5:05 51.1 54.5 47.3 5:10 51.1 54.3 47.4 5:15 51.2 54.7 47.2 5:20 51 55.7 47.3 5:25 51 55.3 48.1 5:30 50.9 54.8 47.5 5:35 50.9 57 47.6 5:40 50.6 55.3 47.6 5:45 54.9 55.4 47.6 5:55 51.7 57.2 47.6 6:00 </td <td></td> <td></td> <td></td> <td></td> | | | | |
| 4:25 51.8 54.5 47.9 4:30 51.1 54.2 47.7 4:35 51.1 54.3 48 4:40 51 54.5 47.7 4:45 51.1 54.4 47.6 4:50 50.8 53.9 47.5 4:55 51 53.9 47.8 5:00 51.1 54 47.9 5:05 51.1 54.5 47.3 5:10 51.1 54.3 47.4 5:15 51.2 54.7 47.2 5:20 51 55.7 47.3 5:25 51 55.3 48.1 5:30 50.9 54.8 47.5 5:35 50.9 57 47.6 5:40 50.6 55.3 47.6 5:45 54.9 55.4 47.6 5:55 51.7 57.2 47.6 5:55 51.7 57.2 47.6 6:00 | | | | |
| 4:30 51.1 54.2 47.7 4:35 51.1 54.3 48 4:40 51 54.5 47.7 4:45 51.1 54.4 47.6 4:50 50.8 53.9 47.5 4:55 51 53.9 47.8 5:00 51.1 54 47.9 5:05 51.1 54.5 47.3 5:10 51.1 54.3 47.4 5:15 51.2 54.7 47.2 5:20 51 55.7 47.3 5:25 51 55.3 48.1 5:30 50.9 54.8 47.5 5:35 50.9 57 47.6 5:40 50.6 55.3 47.6 5:45 54.9 55.4 47.6 5:50 56.4 55.1 47.6 5:55 51.7 57.2 47.6 6:00 50.8 58.6 48 6:05 </td <td></td> <td></td> <td></td> <td></td> | | | | |
| 4:35 51.1 54.3 48 4:40 51 54.5 47.7 4:45 51.1 54.4 47.6 4:50 50.8 53.9 47.5 4:55 51 53.9 47.8 5:00 51.1 54 47.9 5:05 51.1 54.5 47.3 5:10 51.1 54.3 47.4 5:15 51.2 54.7 47.2 5:20 51 55.7 47.3 5:25 51 55.3 48.1 5:30 50.9 54.8 47.5 5:35 50.9 57 47.6 5:40 50.6 55.3 47.6 5:45 54.9 55.4 47.6 5:55 51.7 57.2 47.6 6:00 50.8 58.6 48 6:05 51.1 60.2 52.4 6:10 56.7 61.3 50.1 | | | | |
| 4:40 51 54.5 47.7 4:45 51.1 54.4 47.6 4:50 50.8 53.9 47.5 4:55 51 53.9 47.8 5:00 51.1 54 47.9 5:05 51.1 54.5 47.3 5:10 51.1 54.3 47.4 5:15 51.2 54.7 47.2 5:20 51 55.7 47.3 5:25 51 55.3 48.1 5:30 50.9 54.8 47.5 5:35 50.9 57 47.6 5:40 50.6 55.3 47.6 5:45 54.9 55.4 47.6 5:55 51.7 57.2 47.6 6:00 50.8 58.6 48 6:05 51.1 60.2 52.4 6:10 56.7 61.3 50.1 | | | | 48 |
| 4:50 50.8 53.9 47.5 4:55 51 53.9 47.8 5:00 51.1 54 47.9 5:05 51.1 54.5 47.3 5:10 51.1 54.3 47.4 5:15 51.2 54.7 47.2 5:20 51 55.7 47.3 5:25 51 55.3 48.1 5:30 50.9 54.8 47.5 5:35 50.9 57 47.6 5:40 50.6 55.3 47.6 5:45 54.9 55.4 47.6 5:50 56.4 55.1 47.6 5:55 51.7 57.2 47.6 6:00 50.8 58.6 48 6:05 51.1 60.2 52.4 6:10 56.7 61.3 50.1 | | 51 | 54.5 | 47.7 |
| 4:55 51 53.9 47.8 5:00 51.1 54 47.9 5:05 51.1 54.5 47.3 5:10 51.1 54.3 47.4 5:15 51.2 54.7 47.2 5:20 51 55.7 47.3 5:25 51 55.3 48.1 5:30 50.9 54.8 47.5 5:35 50.9 57 47.6 5:40 50.6 55.3 47.6 5:45 54.9 55.4 47.6 5:50 56.4 55.1 47.6 5:55 51.7 57.2 47.6 6:00 50.8 58.6 48 6:05 51.1 60.2 52.4 6:10 56.7 61.3 50.1 | | | | 47.6 |
| 5:00 51.1 54 47.9 5:05 51.1 54.5 47.3 5:10 51.1 54.3 47.4 5:15 51.2 54.7 47.2 5:20 51 55.7 47.3 5:25 51 55.3 48.1 5:30 50.9 54.8 47.5 5:35 50.9 57 47.6 5:40 50.6 55.3 47.6 5:45 54.9 55.4 47.6 5:50 56.4 55.1 47.6 5:55 51.7 57.2 47.6 6:00 50.8 58.6 48 6:05 51.1 60.2 52.4 6:10 56.7 61.3 50.1 | | | | 47.5 |
| 5:05 51.1 54.5 47.3 5:10 51.1 54.3 47.4 5:15 51.2 54.7 47.2 5:20 51 55.7 47.3 5:25 51 55.3 48.1 5:30 50.9 54.8 47.5 5:35 50.9 57 47.6 5:40 50.6 55.3 47.6 5:45 54.9 55.4 47.6 5:50 56.4 55.1 47.6 5:55 51.7 57.2 47.6 6:00 50.8 58.6 48 6:05 51.1 60.2 52.4 6:10 56.7 61.3 50.1 | 1—— | | | |
| 5:10 51.1 54.3 47.4 5:15 51.2 54.7 47.2 5:20 51 55.7 47.3 5:25 51 55.3 48.1 5:30 50.9 54.8 47.5 5:35 50.9 57 47.6 5:40 50.6 55.3 47.6 5:45 54.9 55.4 47.6 5:50 56.4 55.1 47.6 5:55 51.7 57.2 47.6 6:00 50.8 58.6 48 6:05 51.1 60.2 52.4 6:10 56.7 61.3 50.1 | | | | |
| 5:15 51.2 54.7 47.2 5:20 51 55.7 47.3 5:25 51 55.3 48.1 5:30 50.9 54.8 47.5 5:35 50.9 57 47.6 5:40 50.6 55.3 47.6 5:45 54.9 55.4 47.6 5:50 56.4 55.1 47.6 5:55 51.7 57.2 47.6 6:00 50.8 58.6 48 6:05 51.1 60.2 52.4 6:10 56.7 61.3 50.1 | | | | |
| 5:20 51 55.7 47.3 5:25 51 55.3 48.1 5:30 50.9 54.8 47.5 5:35 50.9 57 47.6 5:40 50.6 55.3 47.6 5:45 54.9 55.4 47.6 5:50 56.4 55.1 47.6 5:55 51.7 57.2 47.6 6:00 50.8 58.6 48 6:05 51.1 60.2 52.4 6:10 56.7 61.3 50.1 | | | | 47.2 |
| 5:25 51 55.3 48.1 5:30 50.9 54.8 47.5 5:35 50.9 57 47.6 5:40 50.6 55.3 47.6 5:45 54.9 55.4 47.6 5:50 56.4 55.1 47.6 5:55 51.7 57.2 47.6 6:00 50.8 58.6 48 6:05 51.1 60.2 52.4 6:10 56.7 61.3 50.1 | | | | 47.3 |
| 5:35 50.9 57 47.6 5:40 50.6 55.3 47.6 5:45 54.9 55.4 47.6 5:50 56.4 55.1 47.6 5:55 51.7 57.2 47.6 6:00 50.8 58.6 48 6:05 51.1 60.2 52.4 6:10 56.7 61.3 50.1 | | 51 | 55.3 | 48.1 |
| 5:40 50.6 55.3 47.6 5:45 54.9 55.4 47.6 5:50 56.4 55.1 47.6 5:55 51.7 57.2 47.6 6:00 50.8 58.6 48 6:05 51.1 60.2 52.4 6:10 56.7 61.3 50.1 | | | | 47.5 |
| 5:45 54.9 55.4 47.6 5:50 56.4 55.1 47.6 5:55 51.7 57.2 47.6 6:00 50.8 58.6 48 6:05 51.1 60.2 52.4 6:10 56.7 61.3 50.1 | | | | 47.6 |
| 5:50 56.4 55.1 47.6 5:55 51.7 57.2 47.6 6:00 50.8 58.6 48 6:05 51.1 60.2 52.4 6:10 56.7 61.3 50.1 | 1——— | | | |
| 5:55 51.7 57.2 47.6 6:00 50.8 58.6 48 6:05 51.1 60.2 52.4 6:10 56.7 61.3 50.1 | | | | |
| 6:00 50.8 58.6 48 6:05 51.1 60.2 52.4 6:10 56.7 61.3 50.1 | | | | |
| 6:05 51.1 60.2 52.4 6:10 56.7 61.3 50.1 | | | | |
| 6:10 56.7 61.3 50.1 | | | | 52.4 |
| 6:15 52.1 55.8 57.5 | | | | 50,1 |
| | 6:15 | 52.1 | 55.8 | 57.5 |

Location: N4 - No. 23, Village House, Tai Tei Tong River Holiday: Baseline Noise Monitoring Results

| 1 | | Leq, (5min) | |
|--------------|--------------|--------------|--------------|
| Time | 07-Oct-07 | 14-Oct-07 | 19-Oct-07 |
| 6:20 | 55.5 | 54.4 | 53.3 |
| 6:25 | 57 | 54.3 | 50.3 |
| 6:30 | 51.8 | 54.6 | 52 |
| 6:35 | 59.5 | 54.8 | 53.6 |
| 6:40 | 61.4 | 54.9 | 50.0 |
| 6:45 | 56.3 | 54.7 | 52.1 |
| | | | 54.7 |
| 6:50 | 53.6 | 54.8 | |
| 6:55 | 52.3 | 55.7 | 49.6 |
| 7:00 | 57.4 | 55.5 | 49.6 |
| 7:05 | 56 | 55.9 | 48.4 |
| 7:10 | 53.1 | 54.8 | 48.8 |
| 7:15 | 53.3 | 54.4 | 53.1 |
| 7:20 | 52 | 54.9 | 49.8 |
| 7:25 | 52.1 | 54.4 | 48.1 |
| 7:30 | 53.8 | 54.8 | 49.1 |
| 7:35 | 55.7 | 55 | 48.1 |
| 7:40 | 53.7 | 54.9 | 50.3 |
| 7:45 | 52.9 | 54.9 | 51.6 |
| 7:50 | 52.8 | 55 | 51.1 |
| 7:55 | 51.8 | 54.9 | 50.2 |
| 8:00 | 52.2 | 54.7 | 50.7 |
| 8:05 | 53.1 | 54.2 | 49.6 |
| 8:10 | 55 | 54.6 | 50.8 |
| 8:15 | 53.3 | 55.6 | 50 |
| 8:20 | 54.6 | 56.2 | 50.4 |
| 8:25 | 54.5 | 55.2 | 50 |
| 8:30 | 51.7 | 54.8 | 49.8 |
| 8:35 | 54.5 | 55 | 51.6 |
| 8:40 | 52.6 | 54.2 | 51.9 |
| 8:45 | 53,8 | 53.9 | 51.7 |
| 8:50 | 53.4 | . 54.1 | 51.5 |
| 8:55 | 52.7 | 54.7 | 51.4 |
| 9:00 | 51.9 | 56 | 51.3 |
| 9:05 | 52.6 | 56.1 | 50.7 |
| 9:10 | 51.7 | 55.6 | 51 |
| 9:15 | 51.7 | 54 | 50.1 |
| 9:20 | 54.7 | 54.1 | 49.3 |
| 9:25 9:30 | 53.4 54.3 | 54.1 55.5 | 49.4 50.4 |
| | 59.2 | 54.3 | 50.4 |
| 9:35 9:40 | 57.1 | 54.1 | 50.8 |
| 9:45 | 54.4 | 54.2 | 53.2 |
| 9:50 | 53.3 | 54.2 | 52 |
| 9:55 | 53.1 | 54.7 | 51.8 |
| 10:00 | 53.2 | 54.6 | 54.1 |
| 10:05 | 57 | | |
| 10:10 | 56.3 | | |
| 10:15 | 54.1 | - | |
| 10:20 | 54.5 | | |
| 10:25 | [1] | | |
| 10:30 | 55.2 | | |
| 10:35 | 54 | | |
| 10:40 | 54.8 | | 53.3 |
| 10:45 | 54.2 | | 61.2 |
| 10:50 | 54.3 | | |
| 10:55 | 54.6 | | |
| 11:00 | 55.3 | | |
| 11:05 | 54.2 | | |
| 11:10 | 53,5 | | |
| 11:15 | 53.9 | | 52.9 |
| 11:20 | 55.2 | | 53 |
| 11:25 | 57.2 | | |
| 11:30 | 54.9 | | |
| 11:35 | 53.2 | | 53.1 |
| 11:40 | 53.6 | | 54.6 |
| 11:45 | 54 | | 54.1 |
| 11:50 | 54.4 | | |
| 11:55 | 54.3 | | |
| 12:00 | 57.1 | | |
| 12:05 | 55.4 | | |
| 12:10 | 54.8 | | |
| 12:15 | 55 | | - |
| 12:20 | 53.8 | | |
| 12:25 | 53.2 | | 56.8 |
| 12:30 | 53.4 | _ | 60,3 |
| | | | |
| 12:35 | 53.4 | | |

Location: N4 - No. 23, Village House, Tai Tei Tong River Holiday: Baseline Noise Monitoring Results

| | 07.0 1.09 | Leg, (5min) | 40.04.07 |
|---|--------------------|------------------|--------------|
| Time | 07-Oct-07 | 14-Oct-07 | 19-Oct-07 |
| 12:40 | 53.8 | 52.9 | 59.4 |
| 12:45 | 53.4 | 54.6 | 59 |
| 12:50 | 53.7 | 50.7 | 56.8 |
| 12:55 | 53.3 | 50.9 | 57.7 |
| 13:00 | 54 | 53.6 | 57.2 |
| 13:05 | 55.7 | 60.4 | 54 |
| 13:10 | 55.9 | 57.2 | 56.1 |
| 13:15 | 55.1 | 56,9 | 54.7 |
| 13:20 | 55.1 | 58.2 | 52.5 |
| 13:25 | 53.7 | 58,2 | 52.2 |
| 13:30 | 53.5 | 55,3 | 58 |
| 13:35 | 54.3 | 55,9 | 55.5 |
| 13:40 | 52.4 | 55.3 | 59 |
| 13:45 | 53.2 | 56,6 | 53 |
| 13:50 | 55.7 | 52.9 | 54.8 |
| 13:55 | 53.7 | 54.2 | 54 |
| 14:00 | 52.3 | 53.4 | 53.7 |
| 14:05 | 53 | 55.1 | 55.9 |
| 14:10 | 52.3 | 53.4 | 55.4 |
| 14:15 | 52.8 | 53.9 | 55,2 |
| 14:20 | 53.4 | 52.7 | 54.8 |
| 14:25 | 52.2 | 52.5 50.7 | 52.7 52 |
| 14:30 14:35 | 52.2 | 50.7 52.1 | 51.3 |
| 14:35 | 52.3 53.4 | 52.1 | 51.5 |
| 14:40 | 53.4 | 52.2 | 51.5 |
| 14:45 | 55,6 | 52.4 | 50,2 |
| 14:55 | 52.9 | 52.4 | 51.2 |
| 15:00 | 54.1 | 54.3 | 53.1 |
| 15:05 | 52.5 | 52.8 | 51.9 |
| 15:10 | 53 | 52.4 | 53.3 |
| 15:15 | 51.4 | 55.4 | 53.6 |
| 15:20 | 54.9 | 53.6 | 50.7 |
| 15:25 | 52.2 | 53.7 | 50,4 |
| 15:30 | 53.2 | 56.5 | 51.3 |
| 15:35 | 52.7 | 55.9 | 50.9 |
| 15:40 | 53.8 | 54.6 | 49.7 |
| 15:45 | 52.7 | 52.8 | 49.4 |
| 15:50 | 53.8 | 52.3 | 51.1 |
| 15:55 | 56 | 52.1 | 63.6 |
| 16:00 | 56 | 55.5 | 56.5 |
| 16:05 | 55.5 | 55.6 | 51.4 |
| 16:10 | 56.1 | 54.9 | 51.3 |
| 16:15 | 54.8 | 55.3 | 52.7 |
| 16:20 | 53 | 55.6 | 52.3 |
| 16:25 | 52.3 | | |
| 16:30 | 52.9 | 53.8 | 50.1 49.9 |
| 16:35 16:40 | 52.8 52.7 | 54.9 55 | 45.5 |
| 16:45 | 52.7 | 55.7 | - |
| 16:50 | 55.6 | 56.6 | |
| 16:55 | 54.3 | 53.7 | |
| 17:00 | 54.7 | 53.8 | |
| 17:05 | 56.3 | 53.7 | |
| 17:10 | 53.7 | 51 | _ |
| 17:10 | 54.2 | 51.4 | |
| 17:10 | 52.3 | 51.7 | |
| 17:25 | 50.7 | 52 | - |
| 17:30 | 51.4 | 54.3 | |
| 17:35 | 53.9 | 55,5 | |
| 17:40 | 50,8 | 55.5 | - |
| 17:45 | 50.4 | 52.7 | - |
| 17:50 | 51.4 | 53.4 | |
| 17:55 | 51.3 | 52.8 | |
| 18:00 | 55.8 | 52,6 | • |
| 18:05 | 52 | 56.2 | |
| 18:10 | 51.2 | 51.1 | - |
| 18:15 | 52.1 | 49.6 | |
| 18:20 | 51.5 | 48.5 | - |
| | 51,3 | 48.7 | |
| 18:25 | | 48.6 | |
| 18:25 18:30 | 52 | | |
| 18:25 18:30 18:35 | 56.2 | 49.2 | |
| 18:25 18:30 18:35 18:40 | 56.2 53.2 | 49.2 54 | |
| 18:25 18:30 18:35 18:40 18:45 | 56,2 53,2 53 | 49.2 54 50 | - |
| 18:25 18:30 18:35 18:40 | 56.2 53.2 | 49.2 54 | - |

<u>Location: N4 - No. 23, Village House, Tai Tei Tong River</u> <u>Holiday: Baseline Nolse Monitoring Results</u>

| | | Leq, (5min) | |
|---------|--------------|--|-------------|
| Time | 07-Oct-07 | 14-Oct-07 | 19-Oct-0 |
| 19:00 | 53.5 | 48.7 | |
| 19:05 | 53.1 | 50.7 | |
| 19:10 | 52.8 | 49.6 | |
| 19:15 | 52.8 | 51 | ·· |
| | | 51.4 | |
| 19:20 | 52.9 | | |
| 19:25 | 53.2 | 49.6 | |
| 19:30 | 53.1 | 49.7 | |
| 19:35 | 52.9 | 49.2 | |
| 19:40 | 52.4 | 50.1 | |
| 19:45 | 52.2 | 50.4 | |
| 19:50 | 52.4 | 49.8 | |
| 19:55 | 52.5 | 49.9 | |
| 20:00 | 55.3 | 49.6 | |
| 20:05 | 55.9 | 49.8 | |
| 20:10 | 55.6 | 49.8 | |
| 20:15 | 55.3 | 51 | |
| 20:20 | 55.2 | 49.6 | |
| 20:25 | 57,5 | 51.6 | |
| 20:30 | 55.2 | 50 | |
| 20:35 | 55.4 | 50.3 | |
| 20:40 | 55 | 50.1 | |
| 20:45 | 54.9 | 50.6 | |
| 20:50 | 52.1 | 51.8 | |
| | 53.4 | 49.7 | |
| 20:55 | 53.4 | 51.2 | |
| 21:00 | | 49.7 | |
| 21:05 | 53.2 53.6 | 50.1 | |
| 21:10 | | | |
| 21:15 | 56.5 | 50.1 | |
| 21:20 | 54.5 | 49.6 | |
| 21:25 | 53.1 | 49.4 | |
| 21:30 | 52,9 | 49.6 | |
| 21:35 | 52.9 | 49.4 | |
| 21:40 | 54.5 | 50.1 | |
| 21:45 | 54.4 | 49.5 | |
| 21:50 | 53.5 | 49.1 | |
| 21:55 | 53.2 | 49.5 | |
| 22:00 | 53 | 49.7 | |
| 22:05 | 51.5 | 52.8 | |
| 22:10 | 51 | 52.6 | |
| 22:15 | 54.2 | 50.2 | |
| 22:20 | 51.4 | 49.5 | |
| 22:25 | 51.7 | 49.7 | |
| 22:30 | 51.9 | 52.6 | |
| 22:35 | 51.6 | 52.3 | |
| 22:40 | 59.9 | 49.4 | |
| 22:45 | 50.8 | | |
| 22:50 | 51 | 59.3 | |
| 22:55 | 51.5 | 49.2 | |
| 23:00 | 51.6 | 49 | |
| 23:05 | 51.7 | | |
| 23:10 | 53.3 | | |
| 23:15 | 51.4 | | |
| | | | |
| 23:20 | 51.1 | 48.9 | |
| 23:25 | 54 | | |
| 23:30 | 51.3 | | |
| 23:35 | 51.2 | | <u> </u> |
| 23:40 | 57.9 | | |
| 23:45 | 52.6 | | |
| 23:50 | 50.8 | | |
| 23:55 | 52.5 | 48.9 | |
| Average | 53.2 | 53.3 | 5 |
| Max | 61.4 | | 6 |
| | 50.4 | | 4 |

^[1] Noise measurements were paused for data downloading and replacement of batteries. The noise levels were not reported [2] Baseline monitoring at N4 started at 16:00 on 4 Oct 2007 to 16:40 on 19 Oct 2007

Appendix 5

Detailed water quality monitoring and QA/QC results

Printed 11/26/2007 Time 10:28 AM

Project: Drainage Improvement in Southern Lantau Water Quality Baseline Monitoring - August to September

| Averaned | Value | 1.5 | 1.5 | 3.5 | 3.0 | 1.5 | 10 | 4.0 | 11.5 | 4.5 | 19.0 | 15.5 | 4.5 | 2.5 | 3.0 | 2.5 | 1,0 | 5.5 | | 2.0 | 9 | 1.0 | 5.0 | 0: | 3.5 | 7.0 | 6.5 | 0. | 0. | 7.5 | 2.0 | 7.0 | 12.5 | 4.5 | 4.0 | 4.5 | 11.0 | 1.0 |
|-----------------|-------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|---------------|---------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-----------|--------------|-----------|-----------|
| 13(0.0) | M1a | 2.0 | 1.0 | 3.0 | 3.0 | 1.0 | 1.0 | 4.0 | 12.0 | 4.0 | 18.0 | 15.0 | 4.0 | 3.0 | 3.0 | 2.0 | 0. | 5.0 | 7.0 | 2.0 | 1.0 | 1.0 | 5.0 | 0.5 | 4.0 | 6.0 | 6.0 | 0. | 0. | 8.0 | 2.0 | 7.0 | 13.0 | 4.0 | 4.0 | 5.0 | 11.0 | 1.0 |
| Suspended Solid | M1 | 1.0 | 2.0 | 4.0 | 3.0 | 2.0 | 0,1 | 4.0 | 10 | 5.0 | 20.0 | 16.0 | 5.0 | 2.0 | 3.0 | 3.0 | 1,0 | 0.9 | 8.0 | 2.0 | 0, | 0:1 | 5.0 | 6. | 3.0 | 8.0 | 7.0 | 0.1 | 6.5 | 7.0 | 2.0 | 7.0 | 12.0 | 5.0 | 4.0 | 4.0 | 11.0 | 1.0 |
| Averaged | Value | 3.8 | 4,2 | 7.2 | 5.4 | 2.9 | 2.7 | 8.35 | 17.4 | 89 | 28.3 | 18.5 | 5.9 | 4.4 | 6.7 | 4.6 | 2.7 | 0.7 | 8.7 | 3.5 | 2.3 | 2.2 | 5.7 | 2.2 | 5.8 | 7.2 | 7.4 | 1.9 | 2.6 | 8.6 | 2.1 | 6.3 | 11.7 | 4.7 | 2.3 | 2.1 | 13.5 | 2.1 |
| 3000 | Иlа | 3.80 | 4.08 | 7.15 | 5.52 | 2.85 | 2.69 | 8.36 | 17.20 | 6.64 | 27.30 | 19.50 | 5.75 | 4.32 | 6.53 | 4.60 | 2.35 | 7.28 | 8.55 | 3.62 | 2.04 | 2.18 | 5.70 | 2.06 | 5.80 | 7.23 | 7.90 | 1.95 | 2.60 | 8.60 | 2.05 | 6.28 | 11.50 | 4.66 | 2.34 | 2.13 | 13.90 | 2.17 |
| Turbidity, | M1 | 3.74 | 4.25 | 7.30 | 5.37 | 2.91 | 2.75 | 8.33 | 17.50 | 9 | _ | | 60.9 | 4.49 | 6.85 | 4.55 | 2.96 | 6.79 | 8.78 | 3.38 | 2.52 | 2.14 | 5.72 | 2.39 | 5.85 | 7.11 | 68.9 | 1.87 | 2.58 | 8.52 | 2.07 | 6.23 | | 4.64 | 2.34 | 2.13 | 13.10 | 2.10 |
| Averade | value | 0.1 | 0.1 | 0.5 | 21.6 | 0.1 | 0.7 | 0.2 | 0.1 | 0.1 | 0.3 | 0.4 | | 0.1 | 0.1 | 0.1 | 0.1 | 3.3 | 2.1 | 0.1 | 0.1 | 0.1 | 13.1 | 0.2 | 9.0 | 6.9 | 0.1 | 0.1 | 0.2 | 2.4 | 5.0 | 19.4 | 10.7 | 0.1 | 0.1 | 9.0 | 1.7 | 0.4 |
| Salinity, ppt | M1a | 0.1 | 0.1 | 0.5 | 21.6 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.3 | 0.4 | 0.1 | 0.1 | 0.1 | 0.1 | 1.0 | 3.3 | 2.1 | 0.1 | 0.1 | 0.1 | 13.0 | 0.2 | 9.0 | 6.8 | 0.1 | 0.1 | 0.2 | 2.4 | 9.0 | 20.0 | 10.6 | 0.1 | 0.1 | 0.7 | 1.8 | 0.4 |
| Salin | ∴ M1 | 0.1 | 0.1 | 0.5 | 21.6 | 0.1 | 0.1 | 0.2 | 2 | 2 | 6.9 | 0.4 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 3.3 | 2.1 | 0.1 | 0.1 | 0.1 | 13.1 | 0.2 | 9.0 | 6.9 | 0.1 | 0.1 | 0.2 | 2.3 | 0.4 | 18.8 | 10.8 | 0.1 | 0.1 | 0.5 | 1.6 | 0.4 |
| Average | value | 7.6 | 6.7 | 7.7 | 7.7 | 7.7 | 8.0 | 7.8 | 7.7 | 7.5 | 7.7 | 7.8 | 7.4 | 7.3 | 7.4 | 7.8 | 7.7 | 7.9 | 8.0 | 7.2 | 7.2 | 7.4 | 8.4 | 8.2 | 8.0 | 8.2 | 7.4 | 7.3 | 7.3 | 9.7 | 7.8 | 8.7 | 7.3 | 6.2 | 6.4 | 9.6 | 7.2 | 7.3 |
| #D | 11a | 9.7 | 6.7 | 7.7 | 7.7 | 7.7 | 8.0 | 7.8 | 7.6 | 7.5 | 7.7 | 7.8 | 7.4 | 7.3 | 7.4 | 7.7 | 7.7 | 7.9 | 8.1 | 7.2 | 7.1 | 7.4 | 8.5 | 8.2 | 8.0 | 8.2 | 7.4 | 7.3 | 7.3 | 7.6 | 7.8 | 8.7 | 7.2 | 6.2 | 6.4 | 6.6 | 7.2 | 7.3 |
| DH. U | | 7.6 | 6.7 | 7.7 | 7.7 | 7.7 | 8.0 | 7.8 | 7.7 | 7.5 | 7.6 | 7.8 | 7.4 | 7.3 | 7.3 | 7.8 | 7.6 | 7.8 | 7.9 | 7.1 | 7.2 | 7.4 | 8.3 | 8.1 | 8.0 | 8.2 | 7.3 | 7.3 | 7.3 | 7.6 | 7.8 | 8.6 | 7.3 | 6.2 | 6.4 | 6.6 | 7.2 | 7.2 |
| Average | value | 6.99 | 7.29 | 7.10 | 5.35 | 6.49 | 6.67 | 5.53 | 6.89 | 6.77 | 5.82 | 6.47 | 6.36 | 6.71 | 6.21 | 6.89 | 6.86 | 6.74 | 6.75 | 6.34 | 6.78 | 6.54 | 7.11 | 6.43 | 6.73 | 6.49 | 6.20 | 6.28 | 6.46 | 6.78 | 6.39 | 6.45 | 6.33 | 6.17 | 6.17 | 5.10 | 5.72 | 6.22 |
| , mg/L | 5 | 6.95 | 7.24 | 7.04 | 5.29 | 6.45 | 6.64 | 5.58 | 6.90 | 6.83 | 5.86 | 6.52 | 6.38 | 6.70 | 6.15 | 6.91 | 6.87 | 6.76 | 6.76 | 6.34 | 6.84 | 6.56 | 7.16 | 6.50 | 6.75 | 6.53 | 6.21 | 6.30 | 6.50 | 6.78 | 6.41 | 6.48 | 6.34 | 6.25 | 6.18 | 5.10 | 5.77 | 6.23 |
| DO. m | - | 7.02 | 7.33 | 7.15 | 5.41 | 6.52 | 6.70 | | 6.87 | - | Н | 6.42 | 6.34 | 6.72 | 6.26 | 98.9 | 6.85 | 6.71 | 6,74 | 6.34 | 6.71 | 6.52 | 7.06 | 6.36 | 6.70 | 6.45 | 6.19 | 6.25 | 6.41 | 6.78 | 6.36 | 6.42 | 6.32 | 6.09 | 6.16 | 5.09 | 5.66 | 6.21 |
| Average | value | 28.6 | 28.4 | 29.8 | 28.9 | 28.5 | 27.6 | 28.6 | 27.1 | 27.0 | 27.4 | 27.3 | | 26.8 | 26.9 | 28.5 | 28.7 | 31.0 | 30.7 | 27.7 | 27.6 | 28.4 | 33.0 | 29.9 | 29.2 | 31.7 | 28.8 | 4. | 7. | œ, | 30.4 | 32.9 | 32.7 | 29.8 | 4 | 29.8 | 29.7 | 30.3 |
| ွ | M1a | 28.6 | 28.4 | 29.8 | 28.9 | 28.5 | 27.6 | 28.6 | 27.1 | 27.0 | 27.4 | 27.3 | 27.1 | 26.8 | 26.9 | 28.5 | 28.7 | 31.0 | 30.7 | 27.6 | 27.6 | 28.4 | 33.0 | 30.0 | 29.0 | 31.7 | 28.8 | 28.6 | 30.0 | 29.6 | 30.5 | 33.0 | 33.0 | 30.5 | 30.0 | 29.7 | 29.7 | 30.0 |
| Temp. | ं M1≪ | 28.6 | 28.4 | 29.8 | 28.9 | 28.5 | 27.6 | 28.6 | 27.1 | 27.0 | 27.4 | 27.3 | 27.1 | 26.8 | 26.9 | 28.5 | 28.6 | 31.0 | 30.7 | 27.7 | 27.6 | 28.4 | 32.9 | 29.7 | 29.3 | 31.6 | 28.8 | 28.2 | 29.4 | 29.6 | 30.2 | 32.8 | 32.3 | 29.0 | | 29.8 | \dashv | 30.6 |
| Water depth, m | | ۲ | ٧ | ⊽ | ⊽ | ⊽ | <1 | ₽ | ۲۰ | ۲۷ | ٧ | ⊽ | ⊽ | ۲ | ₹ | ₹ | ₹ | ₹ | ⊽ | ⊽ | ₹ | ₹ | ₹ | ⊽ | ₽ | ⊽ | ⊽ | ⊽ | ₹ | ⊽ | ⊽ | ۲ | ₹ | ₹ | ⊽ | ₹ | ⊽ | ⊽ |
| Time | - | 15:30 | 15:40 | 15:50 | 15:10 | 16:50 | 16:40 | 16:15 | 11:55 | 11:45 | 11:35 | 12:04 | 10:30 | 10:45 | 11:10 | 12:35 | 12:30 | 12:20 | 12:45 | 11:35 | 11:50 | 12:10 | 15:25 | 15;30 | 15:40 | 15:50 | 14:30 | 14.50 | 15:15 | 14:35 | 14:40 | 14:45 | 15:50 | 15:35 | 15:20 | 15:00 | 16:55 | 16:45 |
| Weather | | Cloudy | Cloudy | Cloudy | Cloudy | Cloudy | _ | - | \vdash | \neg | | -1 | | - | - | \dashv | - | ┪ | | 一† | _ | - | \rightarrow | -+ | -+ | _ | 7 | \dashv | + | Sunny | ╅ | \dashv | -+ | \dashv | ╅ | ╅ | -+ | Sunny |
| | | ┪ | _ | | _ | \dashv | \dashv | | | | - | + | \dashv | ᅱ | + | ┪ | \dashv | | + | + | | 1 | + | \dashv | + | + | + | -+ | ┪ | \dashv | \dashv | - | _ | + | ┥ | + | + | ┪ |
| Sampling Date | | 20-Aug-07 | 22-Aug-07 | 24-Aug-07 | 24-Aug-07 | 24-Aug-07 | 24-Aug-07 | 24-Aug-07 | 24-Aug-07 | 24-Aug-07 | 27-Aug-07 | 27-Aug-07 | 27-Aug-07 | 27-Aug-07 | 27-Aug-07 | 27-Aug-07 | 27-Aug-07 | 29-Aug-07 | 29-Aug-07 | 29-Aug-07 | 29-Aug-07 | 29-Aug-07 | 29-Aug-07 | 29-Aug-07 | 31-Aug-07 | 31-Aug-07 |
| Tide | | EBB | EBB | 688 | EBB | 88 | EBB | E88 | EBB | 88 | 888 | 888 | E88 | EBB | 88 | 88 | 88 | 88 | 88 | EBB | 88 | EBB | 88 | EBB | EBB | 88 | 88 | 88 | | EBB |
| Position | | mid | mid | Ë | Dim | Pig | Big | mid | mid | mid | plm | Big | E E | | pjE | mid | mid | PiE | p <u>i</u> | Big | mid | piu | Die. | Bill | Ē | Big | Die. | mig | mid | ä | Ē | mig | mid | mid | mig : | | | E E |
| Location | | Σ | M2 | M3 | ₩ | 5 | 22 | ខ | M1 | M2 | M3 | ₹ | 5 | 8 | ខ | Ψ | M2 | M3 | M4 | 5 | 2 | ខ | Ĕ | MZ | M3 | M4 | 5 | 8 | g | Ψ. | M2 | M3 | M4 | 5 | 5 6 | 3 | M4 | MZ |
| ol del | | - | 2 | e | 4 | 10 | 9 | _ | 8 | 6 | 10 | = | 12 | 13 | + | 4 | 4 | 1 | + | + | 1 | 4 | \downarrow | $\frac{1}{1}$ | + | 1 | + | + | 1 | + | + | + | + | - | + | 1 | + |) } |
| 'ٽــ | _ | \perp | | _L | | | _ | | | | | \perp | | | L | | | Ц | \perp | | | 1 | | | | | | Ϊ, | 1 | | 1 | | ا رد. | | ·/ ' | \mathbb{L} | | 1 |

| | | 7 | т- | 7 | _ | _ | r | 7 | _ | 1 | _ | _ | _ | т | - | | | _ | | , | | _ | | _ | _ | ··· | , | _ | _ | _ | | | | - | | _ | _ | _ | _ | _ | | |
|--------------------------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|----------|-----------|-----------|-----------|----------|--------------|-----------|-----------|-----------|-----------|--------------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-------------|-----------|---------------|-------------|-----------|-----------|-----------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|------------|
| Averaded | 5.0 | 4.0 | 0, | 1.0 | 1,5 | 10.0 | 5. | 6.0 | 5.0 | 0. | 1.0 | 2.0 | 5.0 | 1.0 | 4.0 | 11.5 | 2.5 | 1.0 | 1.0 | 4.5 | 0. | 4.0 | 4.5 | 1.0 | 1.0 | 1.5 | 13.0 | 2.0 | 4.0 | 2.5 | 1.0 | 1.0 | 1.5 | 7.5 | 1.5 | 4.5 | 2.0 | 1,0 | 1.0 | 1.0 | 3.5 | 1.5 |
| d Solid. | 6.0 | 5.0 | 1.0 | 1.0 | 0.1 | 9.0 | 1.0 | 7.0 | 4.0 | 1.0 | 1.0 | 2.0 | 5,0 | 1.0 | 4.0 | 12.0 | 3.0 | 5. | 1.0 | 5.0 | 0.1 | 5.0 | 4.0 | 1.0 | 1.0 | 1.0 | 12.0 | 2.0 | 4.0 | 2.0 | 1.0 | 1.0 | 1.0 | 8.0 | 2.0 | 5.0 | 2.0 | 1.0 | 0.1 | 1.0 | 4.0 | 2.0 |
| Suspended Solid mg/l. | 4.0 | 3.0 | 1.0 | 0. | 2.0 | 11.0 | 2.0 | 5.0 | 6.0 | 0.5 | 0.5 | 2.0 | 5.0 | 1.0 | 4.0 | 11.0 | 2.0 | 9. | 1.0 | 4.0 | 1.0 | 3.0 | 5.0 | 1.0 | 1.0 | 2.0 | 14.0 | 2.0 | 4.0 | 3.0 | 1.0 | 1.0 | 2.0 | 7.0 | 1.0 | 4.0 | 2.0 | 1.0 | 1.0 | 1.0 | 3.0 | 1.0 |
| Averaged | 5.2 | 4.9 | 3.1 | 4.1 | 2.5 | 8.1 | 1.9 | 4.3 | 4.5 | 1.8 | 2.7 | 1.7 | 10.2 | 4.0 | 7.4 | 14.0 | 4.7 | 2.4 | 2.3 | 6.3 | 2.3 | 4.2 | 5,3 | 4.1 | 2.5 | 4.8 | 11.9 | 1.8 | 2.4 | 5.2 | 1.2 | 1.1 | 2.8 | 11.8 | 1.2 | 3.2 | 4.2 | 2.2 | 1.3 | 1.5 | 11.7 | 1.9 |
| | _ | 4.88 | 3.17 | 1.40 | 2.57 | 8.03 | 1.92 | 4.30 | 4.40 | 1.69 | 2.71 | 1.73 | 10.20 | 3.72 | 7.34 | 14.30 | 74 | 37 | 13 | 6.38 | 2.33 | 25 | 5.34 | 77 | 61 | 33 | 00 | 1.79 | 33 | 1 | 52 | 9 | - 6 | 70 | 8 | 4 | 8 | 20 | 37 | ıg | 2 | , <u>2</u> |
| Turbidity, NTU | 5.15 5. | - | ┾ | 1.37 1. | 2.52 2. | . | 1.83 1. | 4.30 4. | - | ⊢ | ⊢ | ┝ | 10.20 10 | 4.20 3. | 7.45 7. | _ | 4.72 4.74 | 2.36 2.37 | ⊢ | 6.17 6. | 2.25 2. | 4.10 4.25 | 5.27 5.3 | 4.18 4.07 | 2.53 2.49 | 4.71 4.83 | 11.70 12.00 | 1.85 1.7 | 2.41 2.33 | 5.21 5.17 | 1.16 1.25 | 1.12 1.10 | 2.83 2.79 | 11.80 11.70 | 1.18 1.20 | 3.16 3.14 | 4.16 4.18 | 2.18 2.20 | 1.29 1.37 | 1.51 1.56 | 11.70 11.70 | 1.86 1.85 |
| Average | 14.7 | 13.1 | 0.1 | 0.1 | 0.2 | 1.8 | 0.5 | 12.8 | 12.5 | 1.0 | 1.0 | 1.0 | 0.3 | 0.2 | 8.0 | 4.4 | 0.1 | 0,1 | 0.1 | 2.0 | 0.7 | 16.7 | 13.6 | 0.1 | 0.1 | 0.4 | 1,4 | 0.4 | 8.6 | 12.8 | 0.1 | 0.1 | 0.3 | 1.4 | 0.3 | 12.4 | 12.7 | 0.1 | 0.1 | 0.1 | 1.3 | 0.3 |
| 135 14 | 100 | 13.1 | 0.1 | 0.1 | 0.2 | 1.6 | 0.5 | 12.7 | 12.1 | 0.1 | 0. | | 0.3 | 0.2 | 8.0 | 4.4 | 0.1 | 0.1 | 0.1 | 2.0 | 0.7 | 16.7 | 13.6 | 0.1 | 0.1 | 0.4 | 1.4 | 4.0 | 9.6 | 13.0 | 0.1 | 0.1 | 0.3 | 1.3 | 0.3 | 12.3 | 12.6 | 0.1 | 0.1 | 0.1 | 7 | 0.3 |
| Salinity, ppt | 14.7 | 13.1 | 0.1 | 0.1 | 0.2 | 2.0 | 0.5 | 12.8 | 12.8 | 0.1 | 0.1 | 1.0 | 0.3 | 0.2 | 8.0 | 4.4 | 0.1 | 0.1 | 0.1 | 2.0 | 0.7 | 16.7 | 13.6 | 0.1 | 0.1 | 0.4 | 1.4 | 0.4 | 8.5 | 12.6 | 0.1 | 0.1 | 0.3 | 1.4 | 0.3 | 12.4 | 12.8 | 0.1 | 1.0 | 0.1 | 1.5 | 0.3 |
| Average | 7.7 | 7.9 | 7.9 | 7.2 | 7.3 | 7.2 | 7.2 | 7.4 | 7.9 | 7.8 | 7.2 | 7.3 | 7.2 | 7.1 | 6.6 | 7.4 | 6.2 | 6.1 | 6.5 | 0.7 | 7.2 | 9.9 | 6.9 | 7.3 | 7.3 | 7.1 | 7.2 | 7.1 | 7.4 | 7.9 | 7.9 | 7.3 | 7.2 | 7.2 | 7.2 | 7.5 | 7.8 | 7.8 | 7.2 | 7.1 | 7.3 | 7.3 |
| | 8.7 | 7.8 | 8.0 | 7.3 | 7.4 | 7.2 | 7.2 | 7.4 | 7.9 | 7.7 | 7.2 | 7.2 | 7.1 | 7.1 | 6.7 | 7.4 | 6.2 | 6.0 | 6.4 | 7.0 | 7.2 | 6.6 | 6.9 | 7.2 | 7.3 | 7.1 | 7.2 | 7.1 | 7.4 | 7.9 | 7.9 | 7.3 | 7.1 | 7.2 | 7.2 | 7.5 | 7.8 | 7.8 | 7.2 | 7.1 | 7.3 | 7.3 |
| PH, Unit | 7.5 | 7.9 | 7.8 | 7.1 | 7.2 | 7.2 | 7.2 | 7.4 | 7.8 | 7.8 | 7.2 | 7.4 | 7.2 | 7.1 | 6.5 | 7.3 | 6.2 | 6.1 | 6.5 | 7.0 | 7.2 | 9.9 | 6.9 | 7.3 | 7.2 | 7.0 | 7.2 | 7.1 | 7.4 | 7.8 | 7.8 | 7.2 | 7.2 | 7.2 | 7.1 | 7.5 | 7.8 | 7.7 | 7.2 | 7.1 | 7.3 | 7.3 |
| Average | 6.33 | 6.88 | 6.22 | 5.49 | 5,45 | 6.10 | 6.64 | 6.49 | 6.92 | 09'9 | 5.45 | 6.08 | 7.23 | 7.20 | 7.72 | 7.04 | 6.35 | 6.79 | 6.83 | 6.99 | 7.07 | 5.93 | 6.32 | 6.29 | 7.11 | 6.21 | 5.78 | 6.25 | 6.42 | \dashv | 6.28 | + | 6.05 | 6.10 | 23 | 6.40 | 6.88 | 6.73 | _ | 4 | + | 6.20 |
| 63836 | 6 | | | 50 | _ | Н | 58 | 52 6 | 94 | _ | _ | | .22 | \dashv | _ | | 4 | \dashv | _ | - | _ | _ | _ | 4 | 4 | _ | 4 | - | - | - | 4 | 4 | 4 | _ | 9 | 4 | | - | | 4 | 4 | 4 |
| DO, mg/L | 6.33 6.33 | 6.85 6.91 | 6.21 6.22 | 5,47 5.5 | 5.50 5.40 | 6.06 6.13 | 6.70 6.5 | 6.45 6.5 | 6.93 6.9 | 6.72 6.48 | 5.39 5.51 | 6.02 6.13 | .23 7.2 | 7.21 7.18 | 7.74 7.69 | 7.03 7.04 | 6.34 6.36 | 6.80 6.77 | 6.82 6.83 | 6.95 7.03 | 7.14 7.00 | .00 5.86 | .36 6.27 | 6.38 6.20 | 7.01 7.20 | 8.17 6.25 | 5.73 5.82 | 6.33 6.17 | 6.29 6.54 | -+ | + | r) | 6.07 6.02 | 6.03 6.17 | 58 6.47 | 6.39 6.40 | 6.93 6.82 | 6.71 6.75 | 6.01 6.10 | + | ╅ | 6.21 6.18 |
| Verage | | | 30.4 | - | 29.6 | 29.1 6 | 30.0 | 31.7 6 | ᅱ | | | | 7.72 | ╗ | ┪ | 29.3 7 | + | H | 27.2 6 | _ | 27.5 7 | 29.2 6. | 28.8 6. | 26.6 6 | ┪ | + | ┪ | + | + | + | 十 | ╅ | 7 | + | 30.9 6. | \dashv | 32.3 6. | ┪ | \dashv | ╅ | ╅ | 30.1 6. |
| . 4 | 0 | 33.5 | 30.5 | 4 | 29.5 | 29.0 | 29.8 | 31.6 | 32.4 | 31.1 | 31.5 | 29.7 | 27.7 | 27.8 | 29.6 | 29.3 | 25.5 | | 27.2 | 26.8 2 | 27.5 2 | | 28.8 | 26.6 2 | 4 | 27.6 2 | 30.1 | 29.9 | 30.4 | + | + | + | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 30.0 |
| _ Temp. ⁰C | 32.3 | 33.0 | 30.2 | 30.0 | 29.7 | 29.2 | 30.1 | 31.8 | 32.0 | 31.8 | 32.0 | 30.0 | 27.6 | 27.7 | 29.8 | 29.3 | 25.6 | | 27.1 | 26.8 2 | 27.5 | 29.2 | 28.8 | 26.6 2 | + | | - | + | ┥ | + | ┽ | -+ | 4 | + | - | ┽ | ┪ | + | | - | + | 30.2 |
| Water depth, m | ₹ | ₹ | ٧ | ₹ | ⊽ | ⊽ | ₹ | ₹ | ⊽ | ₹ | ᅥ | ₹ | | | | + | ₹ | ₹ | ┪ | 1 | 1 | \dashv | + | + | - | 7 | + | + | + | \dagger | \dagger | + | + | | \dagger | + | + | + | 1 | † | + | ⊽ |
| Time | 16:30 | 15:50 | 17:10 | 17:30 | 16:15 | 16:30 | 16:20 | 16:10 | 15:40 | 17:00 | 16:50 | 15:55 | 12:35 | 12:30 | 11:55 | 12:20 | 9:50 | 9:30 | 1:00 | 12:25 | 12:15 | 12:05 | 11:45 | 12:40 | 12:55 | 11:55 | 14:30 | 14:40 | 14:55 | 13:00 | 13:20 | 13:40 | 14:10 | 15:40 | 15:50 | 16:00 | 14:20 | 14:40 | 15:00 | 15:30 | 15:55 | 16:00 |
| | - | | -1 | - | ┪ | -+ | 7 | - | \dashv | -+ | - 1 | Sunny | -1 | \dashv | - | + | \dashv | - | -1 | 十 | -+ | + | ╌┼ | -+ | ┪ | 7 | _ | \dashv | + | -+ | ╅ | + | + | -+ | ╅ | ┰┼ | -+ | + | ╅ | ┰ | -+- | Sunny |
| | | \dashv | | \dashv | 1 | _ | \dashv | _ | | | | _ | \dashv | ┪ | - | + | \dashv | | _ | | + | 1 | + | + | + | 7 | + | | + | + | ╁ | + | 1 | + | + | + | + | \dashv | + | + | + | _ |
| Sampling Date | 31-Aug-07 | 31-Aug-07 | 31-Aug-07 | 31-Aug-07 | 31-Aug-07 | 3-Sep-07 | 3-Sep-07 | 3-Sep-07 | 3-Sep-07 | 3-Sep-07 | 3-Sep-07 | 3-Sep-07 | 5-Sep-07 | 5-Sep-07 | 5-Sep-07 | 5-Sep-07 | 5-Sep-07 | 5-Sep-07 | 5-Sep-07 | 7-Sep-07 | 7-Sep-07 | 7-Sep-07 | 7-Sep-07 | 7-Sep-07 | 7-Sep-07 | 7-Sep-07 | 10-Sep-07 | 10-Sep-07 | 10-Sep-07 | 10-Sep-07 | 10-Sep-07 | 10-Sep-07 | 10-Sep-07 | 12-Sep-07 | 12-Sep-07 | 12-Sep-07 | 12-Sep-07 | 12-Sep-07 | 12-Sep-07 | 12-Sep-07 | 14-Sep-07 | 14-Sep-07 |
| Tide | EBB | EBB | EBB | EBB | 883 | EBB | 88 | EBB | E88 | EBB | EBB | 88 | 88 | EBB | EBB | 88 | 88 | 88 | 99 | EBB | EBB | 88 | 8 | 88 | 88 | EBB | EBB | E88 | 88 | 88 | 88 | | 999 | EBB | | 88 | 88 | EB3 | 688 | 888 | 99 1 | 883 |
| Position | mid | mid | pim | mid | ği | PE | Big | mid | æig | mid | | BiE | mig | E E | mid | Big | pim | 핕 | E | Đị E | mid | pim | Big | PE P | E . | Bie | mid | mig | E : | <u> </u> | E : | | PE : | BE : | piu : | PE : | E E | | ajd: | E : | | |
| 5 | M3 | M4 | 5 | 2 | ខ | M | M2 | M3 | M4 | C | 22 | ខ | ž. | M2 | M3 | M4 | 5 | 2 | | M | MZ | M3 | M4 | 2 | 75 | + | \dagger | M2 | + | + | \dagger | + | ╁ | \dagger | \dagger | + | + | + | + | \dagger | 1 | MZ |
| 0 | _ | 4 | 4 | 4 | - | 1 | + | 45 | | 1 | 4 | 4 | 4 | \downarrow | + | + | + | + | + | + | 1 | + | + | + | + | 4 | + | + | $\frac{1}{1}$ | + | + | + | + | + | + | + | + | + | + | ╀ | + | - |
| Ē | ``' | " | 4 | 4 | 4 | ٩ | 4 | 4 | 4 | 4 | 4 | ٦, | ro | ان | 3 | ιΩ | 2 | 5 | ۱" | 57 | S | 29 | 9 | 9 | 8 | [E | 64 | 92 | 99 | <u>ة</u> اق | 8 8 | 2 8 | ا ا | 7 | 2 1 | ଅ ; | 2 3 | 12 | 1 3 | 1 | 9 6 | |

| Averaged | 2.5 | 2.5 | 1.0 | 1.0 | 1.0 |
|--|-----------------|------------------|---------------|-------------------|-------------|
| led Solid, I/L | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 |
| Suspended Solid, sed mg/L | 2.0 | 3.0 | 1.0 | 1.0 | 1.0 |
| Average Salinity, ptt Average NTU Averaged | 4.5 | 14.3 | 2.9 | 1.3 | 2.2 |
| dity. ∪ | 4.51 | 13.80 | 2.84 | 1.27 | 2.16 |
| Turbidity, NTU | 4.50 | 14.70 | 2.86 | 1.27 | 2.18 |
| Average | 4.4 4.50 4.51 | 12.9 14.70 13.80 | 0.1 2.86 2.84 | 0.1 1.27 1.27 1.3 | 0.3 |
| ty, ppt | 4.2 | 12.9 | 0.1 | 0.1 | 0.3 |
| Salini | 4.5 | 12.9 | 0.1 | 0.1 | 0.2 |
| Average | 7.6 7.6 4.5 4.2 | 7.8 | 7.9 | 7.2 | 7.2 0.2 |
| Jaff | 7.6 | 7.8 7.8 | 7.8 | 7.2 | 7.2 |
| | | 7.8 | 8.0 | 7.2 | 7.2 7.2 |
| Average DO, mg/L Average | 6.33 6.29 6.31 | 7.18 7.23 7.21 | 6.27 6.31 | 6.07 | |
| | 6,29 | 7.23 | 6.27 | 6.10 | 6.20 |
| 7.00 DO, 1 | 6.33 | 7.18 | 6.35 | 6.03 6.10 6.07 | 6.16 |
| Average | 31.6 | 32.3 | 29.7 | 29.4 | 29.7 |
| ာ ပ | 31.7 | 32.2 | 29.6 | 29.2 | 29.7 |
| Tem | 31.4 | 32.3 | 29.7 | 29.5 | 29.7 |
| Water depth, m | ٧ | ٧ | ٧ | ₹ | ₹ |
| Time | 16:10 | 15:30 | 16:30 | 16:20 | 15:45 |
| Weather | Sunny 16:10 | Sunny 15:30 | Sunny | Sunny | Sunny 15:45 |
| Sampling Date Weather | 14-Sep-07 | 14-Sep-07 | 4-Sep-07 | 14-Sep-07 | 14-Sep-07 |
| Sam | 14 | 14 | 1 | 14 | 4 |
| Tide | EBB | EBB | EBB | EBB | 88 |
| Position | mid | mid | mid | mid | mid |
| Location Position | M3 | M4 | 5 | 22 | င်ဒ |
| LabID | 80 | 8.1 | 82 | 83 | 88 |



: 2 of 5 : OVE ARUP & PARTNERS (H.K.) LTD HK0711768, Amendment 2 Page Number Client Work Order

| | | 5 | Client Sample ID : | M1 | M1 (DUPLICATE) | MZ | MZ (DUPLICALE) | |
|--|----------------------|------------|------------------------|---------------|----------------|---------------|----------------|---------------|
| Analytical Results | | Laborat | Laboratory Sample ID : | HK0711768-001 | HK0711768-002 | HK0711768-003 | HK0711768-004 | HK0711768-005 |
| Submatrix: WATER | | Samp | Sample Date / Time : | 20 Aug 2007 | 20 Aug 2007 | 20 Aug 2007 | 20 Aug 2007 | 20 Aug 2007 |
| Method: Analysis Description | CAS number LOR Units | 707 707 | Units | | | | | |
| EAJED: Dhysical and Aggregate Properties | rties | | | | | 7.00 | | |
| EA025: Suspended Solids (SS) | ļ | 1 | mg/L | ۷ | 2 | 2 | - | 4 |



: 3 of 5 : OVE ARUP & PARTNERS (H.K.) LTD HK0711768, Amendment 2 Page Number Client Work Order Analytical

| | | | | | ? | |
|--|-----------------------|----------------|---------------|----------------|---------------|-----------------------|
| | Client Sample ID : | M3 (DUPLICATE) | M4 | M4 (DUPLICATE) | 5 | (11 (O) 10 (O) 10 (O) |
| <u>Analytical Results</u> | : Ol elomes voteode i | Ť | HK0711768-007 | HK0711768-008 | HK0711768-009 | HK0711768-010 |
| Submatrix: WATER | Sample Date / Time : | | 20 Aug 2007 | 20 Aug 2007 | 20 Aug 2007 | 20 Aug 2007 |
| | | Γ | | | | |
| Method: Analysis Description CAS numbe | CAS number LOR Units | | | | | |
| EA/ED: Physical and Aggregate Properties | | | | - | 2 | V |
| EA025: Suspended Solids (SS) | 1 mg/L | m | ۶ | 2 | | |



C3 (DUPLICATE) HK0711768-014 20 Aug 2007 HK0711768-013 20 Aug 2007 C2 (DUPLICATE) HK0711768-012 20 Aug 2007 v HK0711768-011 20 Aug 2007 ⊽ Client Sample ID : Laboratory Sample ID: Sample Date / Time: Units mg/L LOR OVE ARUP & PARTNERS (H.K.) LTD HK0711768, Amendment 2 CAS number EA/ED: Physical and Aggregate Properties EA025: Suspended Solids (SS) Analytical Results Method: Analysis Description Submatrix: WATER Work Order

: 4 of 5

Page Number





Page Number

: 5 of 5 : OVE ARUP & PARTNERS (H.K.) LTD HK0711768, Amendment 2

Quality Control - Laboratory Duplicate (DUP) Results Work Order

| | | | I | | | Duplicate (DUP) Results | Results | |
|----------------------------|--|--|------------|-----|-----------|-------------------------|------------------|---------|
| Matrix Type: WAIRK | | | | | | | 3 | , and a |
| Cohomotory Committee | Clicat Samulo (D | Method: Analysis Description | CAS number | LOR | Units | Original Result | Duplicate Result | (c) (1) |
| Lauraiony Sample to | Chem complete | | | | | | | |
| EAVED: Obsession and Ann | (A IED. Director) and A account Decounties (OC 1 of: 478697) | | | | | | | |
| האלוני. בהאמונים מוות אמני | חבולשום בוסלים ועם לאכן בסני לניםם | | | | , , , , , | , | | |
| UK0744788 004 | IM4 | EA025: Suspended Solids (SS) | | _ | mg/ι_ | - | 7 | 0.00 |
| 100-00 11 10011 | IAII | | | | 17 000 | 7.4 | , v | - |
| UK0741768-044 | 60 | FA025: Suspended Solids (SS) | **** | _ | וושלר | , | - | |
| | | Composition of the composition o | | | | | | |
| | | | | | | | | |

Quality Control - Method Blank (MB), Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results

| | | | Mostered Direct (MD) Describe | Docuite | | Single Co | Single Control Spike (SCS) and Duplicate Control Spike (DCS) Restrits | uplicate Contr | ol Spike (DCS | s) Results | |
|---|------------|-----|-------------------------------|---------|---------------|-----------|---|---------------------|---------------|------------|---------------|
| Matrix Type: WATEK | | | family many pompan | | Spike | Spike Re | Spike Recovery (%) | Recovery Limits (%) | .fmits (%) | RPD | RPDs (%) |
| | | | | | 1 | | | | | | 27 7 |
| Mothed: Analysis Description | CAS number | 10K | Units | Result | Concentration | SCS | SDQ | Low | High | Value | Control Limit |
| | | | | | | | | | | | |
| EA/ED: Physical and Aggregate Properties (OCLot: 478687) | t: 478687) | | | | | | | | | | |
| יול פוסי מוח ול פוסי מוח ומוח ומוח ומוח ומוח ומוח ומוח ומוח | | ŗ | l) Com | 0 | 1,0m 02 | 93.0 | | 82 | 115 | ļ | |
| EA025: Suspended Solids (SS) | | 7 | ווופיר | 7. | 1 6 1 1 | | | | | | |



HK0711882-005 22 Aug 2007 11:35 20 M2 (DUPLICATE) HK0711882-004 22 Aug 2007 11:45 マ HK0711882-003 22 Aug 2007 11:45 rO. M1 (DUPLICATE) HK0711882-002 22 Aug 2007 11:55 12 HK0711882-001 22 Aug 2007 11:55 ÷ Laboratory Sample ID : Sample Date / Time : Client Sample ID: Units HOT CAS number HK0711882, Amendment 1 EA/ED: Physical and Aggregate Properties EA025: Suspended Solids (SS) nalytical Results Method: Analysis Description Junatrix: WATER 'ork Order

: OVE ARUP & PARTNERS (H.K.) LTD

: 2 of 5

age Number

mg/L



: 3 of 5 : OVE ARUP & PARTNERS (H.K.) LTD HK0711882, Amendment 1 age Number lient 'ork Order | nalytica

| 1 - 1 - 4 1 D 14- | | Clien | Client Sample ID : 🗌 | M3 (DUPLICATE) | M4 | M4 (DUPLICATE) | 5 | |
|--|----------------------|------------|-----------------------|----------------|----------------------|----------------------|----------------------|----------------------|
| inalytical Results | | Laboraton | Laboratory Sample ID: | HK0711882-006 | HK0711882-007 | HK0711882-008 | HK0711882-009 | FIK0/1188Z-010 |
| Jbmatrix: WATER | | Sample | Sample Date / Time: | 22 Aug 2007 | 22 Aug 2007 12:05 | 22 Aug 2007 12:05 | 22 Aug 2007 10:30 | 22 Aug 2007 10:30 |
| Mothed: Applies Description | CAS number LOR Units | 707 207 | Units | 1.33 | 20:31 | | | |
| menion, Analysis Describing | | | | | | | | |
| EA/ED: Physical and Aggregate Properties | Properties | | | | | | | 4 |
| EA025: Suspended Solids (SS) | | | mg/L | 80 | 0. | 2 | | |
| | | | | | | | | |



C3 (DUPLICATE) HK0711882-014 22 Aug 2007 11:10 6 HK0711882-013 22 Aug 2007 11:10 ឌ က C2 (DUPLICATE) HK0711882-012 22 Aug 2007 10:45 es HK0711882-011 22 Aug 2007 10:45 ~ Laboratory Sample ID: Sample Date / Time : Client Sample ID: mg/L Units TOR CAS number HK0711882, Amendment 1 EA/ED: Physical and Aggregate Properties EA025: Suspended Solids (SS) nalytical Results Method: Analysis Description Junatrix: WATER 'ork Order

: OVE ARUP & PARTNERS (H.K.) LTD

: 4 of 5

age Number



: OVE ARUP & PARTNERS (H.K.) LTD HK0711882, Amendment 1 : 5 of 5

age Number ient 'ork Order

| | Its |
|------|---|
| | trol - Laboratory Duplicate (DUP) Results |
| | P. F |
| ļ | na. |
| | ite (|
| | |
| | Date |
| | ğ |
| | rate |
| Î | apo |
| | |
| | trol |
| | lo lo |
| ē | |
| 5000 | Nuality Control |
| _ | |

| | | | | | | | г |
|---|---|------|-------|-------------------------|-----------------|----------|---|
| | | | | Duplicate (DUP) Results | Results | | |
| | | | | | | (/6) 400 | _ |
| atrix Type: WATER | Johnson O. C. | 1.0R | Units | Original Result | Duplicate Resur | KrU (%) | _ |
| aboratory Sample ID | Client Sample ID Method: Analysis Description | ┨ | | | | | |
| | | | | | | 1 | Ŧ |
| EA/ED: Physical and A | | - | ma/L | 14 | 13 | 9.5 | 7 |
| 11/07/4/07/7 000 | Anonymotic EA025: Suspended Solids (SS) | | | 5/ | - V3 | 0.0 | |
| HKU/ 110/ /-002 | | יי | mg/L | ? | | | Т |
| HK0711880-002 | Anonymous EAUCS: Suspended Conces (CC) | | | | | | _ |
| A Land Control of the land of | Discourate Demonstrate (OC 1 of: 479019) | | - | | ď | 0.0 | _ |
| :AED: Physical and A | Aggregate Frobenius (40 to 10 | _ | mg/L | 4 | 2 | 2.5 | 7 |
| HK0711882-010 | (C1 (DUPLICATE) EAU20: Suspended Solids (SS) | | | | 1 | | |
| | | | • | | | | |

| 2 | ıfts |
|--|--|
| 3 | Rest |
| | (SCS) |
| 7 | solke |
| S | lorte |
| | 5 |
| Ĭ | Files |
| 7 | 2 |
| 2 | 100 |
| | 1,00 |
| إذ | |
| ä | |
| Dic | |
| חמ | |
| þ | |
| a | |
| S | |
| છ | ╽┟ |
| Sontrol Spike (SCS) and <u>Duplicate Control Spike (DCS) Results</u> | Sesuits (SCS) and Direlicate Control Solke (DCS) Results |
| Sp | |
| 2 | |
| nt | |
| Č | |
| alc | |
| S. C. | |
| (2 | |
| ME | |
| 1 | 3 |
| 101 | |
| 7 | |
| Š | |
| 100 | Ž |
| _ | |
| () | 9 |
| . (| |
| (| اد |
| 7.7 | |
| | |
| | |

| | | | | | | Single Court Spine (Coo) and Constant | | | | | _ |
|--|---------|--------------------------|----------|---------------|----------------|---------------------------------------|---------------------|-------------|-------|---------------|---|
| 1. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. | ₹ | Method Blank (MB) Kesuns | y resurs | | | 1711 | Boomson I Imite (%) | ImHe PA | RPD | RPDs (%) | _ |
| Iatrix Iybe: WATER | | | | Spike | Spike Re | Spike Recovery (%) | עמניטאמי א י | (0/1 churus | | | _ |
| | | | | } | | | | Link | Valuo | Control Limit | |
| | | : | 7 | Concention | 808 | 200 | TOW YOU | 181 | *arac | | _ |
| CAS number | - KO1 | SILES | Mestill | Concentianion | | | | | | | _ |
| metriod: Arialysis cestrificati | | | | | | | | | | | _ |
| step. Description and Aggregate Properties (OCLOt: 479018) | 479018) | | | | | | 1 | 445 | | - | _ |
| A/ED: Pilysical alla Agglegate i operito (| | | ç | 20 mg/l | Ç | | င္တ | 2 | | | |
| EACOE: Chapanded Solide (SS) | 7 | mg/L | 75 | Z0 1119/L | 2:35 | | | | | | _ |
| EAUZO, Suspended Comas (CC) | | | | | | | | | | | _ |
| - Aren. Br and Ameronate Bronarties (OCLot: 479019) | 479019) | | | | | | - | 445 | | | _ |
| =A/ED: Priysical alid Agglegate 1 operate (| | | ç | 20 mg/l | 80 00 00 | 1 | င္တ | 2 | | | _ |
| EA025: Suspended Solids (SS) | 7 | mg/L | 7, | 20 III 9/ C | | | | | | | |
| | | | | | | | | | | | |



HK0712022-005 24 Aug 2007 12:20 9 M2 (DUPLICATE) HK0712022-004 24 Aug 2007 12:30 ₹ HK0712022-003 24 Aug 2007 12:30 ٧ M1 (DUPLICATE) HK0712022-002 24 Aug 2007 12:35 ~ HK0712022-001 24 Aug 2007 12:35 m Laboratory Sample ID: Sample Date / Time : Client Sample ID: mg/L Units LOR CAS number HK0712022, Amendment 1 :A/ED: Physical and Aggregate Properties = A025: Suspended Solids (SS) nalytical Results Nethod: Analysis Description ibmatrix: WATER ork Order

: OVE ARUP & PARTNERS (H.K.) LTD

: 2 of 5

ige Number



: 3 of 5 : OVE ARUP & PARTNERS (H.K.) LTD HK0712022, Amendment 1 age Number 'ient 'ork Order

| Latitat Desirito | | Clien | t Sample ID | .: M3 (I | Client Sample ID : M3 (DUPLICATE) | M4 | M4 (DUPLICATE) | 5 | C1 (DOPLICATE) | |
|--|----------------------|-----------|-----------------------|----------|-----------------------------------|---------------|----------------------|----------------------|----------------------|---|
| nalytical Results | | Laboraton | Laboratory Sample ID: | HK0 | HK0712022-006 | HK0712022-007 | HK0712022-008 | HK0712022-009 | HK0712022-010 | |
| Jomatrix: WATER | | Sample | Sample Date / Time : | | 24 Aug 2007 | 24 Aug 2007 | 24 Aug 2007 12:45 | 24 Aug 2007 11:35 | 24 Aug 2007 11:35 | |
| Method: Analysis Description | CAS number LOR Units | 10g | Units | | 12.20 | 7.70 | | | | 1 |
| EA/ED: Physical and Aggregate Properties EA025: Suspended Solids (SS) | roperties | - | mg/L | | ı | α | 7 | 2 | 2 | |



: 4 of 5 : OVE ARUP & PARTNERS (H.K.) LTD HK0712022, Amendment 1 зge Number lient ′ork Order

| | | | | | THE CHARLES | |
|--|-----------------------|-------------------|----------------|---------------|----------------------|--|
| Last Danille | Client Sample ID : | ID: C2 | C2 (DUPLICATE) | ឌ | C3 (DUPLICATE) | |
| malyucal Results | Laboratory Sample ID: | ID: HK0712022-011 | HK0712022-012 | HK0712022-013 | HK0712022-014 | |
| ubmatrix: WATER | Sample Date / Time : | 24 | 24 Aug 2007 | 24 Aug 2007 | 24 Aug 2007 12:10 | |
| Mothers' Analysis Description CAS number | CAS number LOR Units | 06:11 | 00.1 | i. | | |
| | | | | | | |
| EA/ED: Physical and Aggregate Properties | | | • | 7 | • | |
| FA025: Suspended Solids (SS) | 1 mg/L | V | v | V | | |
| / | | | | | | |



: 5 of 5 ige Number ient

: OVE ARUP & PARTNERS (H.K.) LTD HK0712022, Amendment 1

ork Order

| Results |
|-----------------|
| DUP |
| <i>iplicate</i> |
| ratory Du |
| I - Labo |
| Contrc |
| uality |

| ľ | LOR Units Original Result Duplicate Result | 0.1 mg/L 10 10 0.0 | 1 mg/L 5 5 5 0.0 |
|-------------------|--|--|------------------------------|
| | Method: Analysis Description CAS number | C Lot: 480366) EA025: Suspended Solids (SS) | EA025: Suspended Solids (SS) |
| afrix Type: WATER | aboratory Sample ID Client Sample ID | A/ED: Physical and Aggregate Properties (QC Lot: 480366) | HK0712022-006 M3 (DUPLICATE) |

Duplicate (DUP) Results

\underlighted Control - Method Blank (MB), Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results

| | | | . D | | Single Confro | Sinnle Control Spike (SCS) and Duplicate Control Spike (DCS) Resunts | <i>splicate</i> Contr | ol Spike (DC | SS) Results | |
|--|---------|---------------------------|-----------|---------------|---------------|--|-----------------------|--------------|-------------|--|
| Strice Times: MATED | _ | Method Blank (MB) Results | s) Resurs | | | | | | | |
| מווא ואופי אירובי | | • | | Spike | Spike Rec | Spike Recovery (%) | Recovery Limits (%) | imits (%) | 2 | RPUS (%) |
| | | | | | - | | - | | 14-1-1 | the state of the s |
| act administration of the second of the seco | 907 | linits | Result | Concentration | SCS | DCS | Low High | High | varue | Control Linns |
| nemod: Analysis Description | - | 23.15 | | | | | | | | |
| 100/ com | AOD SEE | | | | | | | | | |
| A/ED; Physical and Aggregate Properties (CCCC: +60-300) | 400000 | | | | | | 1 | 777 | | |
| - 000 E. O | ٦ | l/um | Ŷ | 20 ma/L | 191 | 1 | 69 | 2 | 2 | |
| İ | 4 | i g | 1 | | | | | | | |
| | | | | | | | | | | |



HK0712108-005 27 Aug 2007 15:40 m M2 (DUPLICATE) HK0712108-004 27 Aug 2007 15:30 ⊽ HK0712108-003 27 Aug 2007 15:30 ⊽ M1 (DUPLICATE) HK0712108-002 27 Aug 2007 15:25 ĸ HK0712108-001 27 Aug 2007 15:25 Ŋ Laboratory Sample ID: Sample Date / Time : Client Sample ID: Units mg/L LOR CAS number HK0712108, Amendment 1 EA/ED: Physical and Aggregate Properties EA025: Suspended Solids (SS) nalytical Results Method: Analysis Description Jbmatrix: WATER ork Order

: OVE ARUP & PARTNERS (H.K.) LTD

. 2 of 5

age Number

ient



C1 (DUPLICATE) HK0712108-010 27 Aug 2007 14:30 ဖ HK0712108-009 27 Aug 2007 14:30 ច M4 (DUPLICATE) HK0712108-008 27 Aug 2007 15:50 ဖ HK0712108-007 27 Aug 2007 15:50 œ M3 (DUPLICATE) HK0712108-006 27 Aug 2007 15:40 Client Sample ID : Laboratory Sample ID: Sample Date / Time: mg/L Units LOR OVE ARUP & PARTNERS (H.K.) LTD HK0712108, Amendment 1 CAS number Method: Analysis Description CAS number EA/ED: Physical and Aggregate Properties EA025: Suspended Solids (SS) — inalytical Results Johnstrix: WATER 'ork Order

. 3 of 5

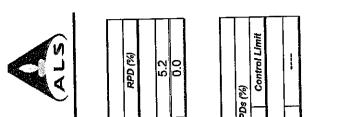
age Number

ient



: 4 of 5 : OVE ARUP & PARTNERS (H.K.) LTD HK0712108, Amendment 1 age Number ient 'ork Order

| | Client S | Client Sample ID : | 25 | C2 (DUPLICATE) | ឌ | C3 (DUPLICALE) | |
|---|--------------|-----------------------|---------------|----------------------|----------------------|----------------------|--|
| nalytical Results | Laboratory S | aboratory Sample ID : | HK0712108-011 | HK0712108-012 | HK0712108-013 | HK0712108-014 | |
| Johnatrix: WATER | Sample Da | Sample Date / Time: | 27 Aug 2007 | 27 Aug 2007 14:50 | 27 Aug 2007 15:15 | 27 Aug 2007 15:15 | |
| and Analysis Description CAS number | LOR Units | Units | 14:50 | 00:1 | | | |
| Welnoa: Analysis pescripuon | 1 | | | | | | |
| EA/ED: Physical and Aggregate Properties EA025: Suspended Solids (SS) | 1 mg/L | mg/L | ⊽ | 7 | - | 7 | |



Duplicate (DUP) Results

age Number: 5 of 5

ient: OVE ARUP & PARTNERS (H.K.) LTD

fork Order: HK0712108, Amendment 1

Nuality Control - Laboratory Duplicate (DUP) Results

| atrix Type: WATER | | | CASmimhar | LOR Units | Original Result | Duplicate Result | RPD (%) |
|---|--------------------------|------------------------------|-----------|-----------|-----------------|------------------|---------|
| aboratory Sample ID Clir | Client Sample ID | Method: Analysis Description | Samuel | | | | |
| :A/ED: Physical and Aggregate Properties (QC Lot: 481308) | egate Properties (QC Lot | : 481308) | | 2 mg/L | 140 | 148 | 5.2 |
| HK0712007-001 An | Anonymous | EAUZ3: Suspended Solids (SO) | | 1 ma/L | 3 | 3 | 0.0 |
| HK0712108-005 M3 | | EA025: Suspended Solids (SS) | 1 | | | Deciritée | |

| l |
|---|
| |
| ١ |
| ١ |
| ١ |
| ۱ |
| |
| |
| |
| |
| |
| |
| ľ |
| |
| |
| ١ |
| |
| |
| |
| |
| 3 |
| 1 |
| |
| 1 |
| DO 10 10 10 10 10 10 10 10 10 10 10 10 10 |
| 1 |
| 5 |
| 2 |
| Ę |
| |
| 1 |
| 잌 |
| Ξ |
| 3 |
| |
| מו |
| ם מום |
| nod bla |
| lethod Bia |
| - Imethod bia |
| oi - Imetnod bia |
| iroj - (Wethod bla |
| control - Imethod bia |
| / Control - Method bia |
| IIIV Control - Method bia |
| nality Control - Method blai |
| |

| | | | | | Cinalo Confr | Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results | oficate Contr | ol Spike (UC | s) Results | |
|--|-----------|---------------------------|------------|---------------|--------------|--|---------------------|--------------|------------|----------------|
| | _ | Mother Right (MR) Results | B) Resulfs | | and and | | | | | 7 W 1 |
| latrix Type: WATER | | | | Caite | Spike Re | Spike Recovery (%) | Recovery Limits (%) | imits (%) | 7 | KPDS (%) |
| • | | | | avide | | | - | | 1/2/1.2 | Control I init |
| | | | | | 900 | DCS | Low | High | varue | Control Carrie |
| CASmimhor | 708 | Units | Result | Concentration | 200 | | | | | |
| Method: Analysis Description | | | | | | | | | | |
| (a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c | + AR420R) | | | | | | | - | | |
| :A/ED: Physical and Aggregate Properties (40EOC: 101000) | r. +01000 | | | 1 200 | 3 00 | ! | 85 115 | 2 | į | ! |
| FA025: Suspended Solids (SS) | 7 | mg/L | <2 | ZU mg/L | 30.0 | | | | | |
| | | | | | | | | | | |



: 2 of 5 : OVE ARUP & PARTNERS (H.K.) LTD HK0712314, Amendment 1 age Number lient fork Order

| | | | | | | The Co. 121. (4) | 2 | |
|--|----------|------------------------|-------|----------------|----------------------|----------------------|----------------------|--|
| | Clie | Client Samole ID∵ | 14 | M1 (DUPLICATE) | M2 | M2 (DUPLICALE) | 2 | |
| <i>Inalytical Results</i> | Laborato | Laboratory Sample ID : | HK071 | HK0712314-002 | HK0712314-003 | HK0712314-004 | HK0712314-005 | |
| ubmatrix: WATER | Sampl | Sample Date / Time : | 29 | 29 Aug 2007 | 29 Aug 2007 14:40 | 29 Aug 2007 14:40 | 29 Aug 2007 14:45 | |
| Mathad: Analysis Description CAS number | | LOR Units | 14:33 | 00.4 | 2 | | | |
| | | | | | | | | |
| EA/ED: Physical and Aggregate Properties | , | | • | ~ | 2 | 7 | 7 | |
| EA025: Suspended Solids (SS) | | mg/L | | | | | | |
| | | i | | | | | | |



: 3 of 5 : OVE ARUP & PARTNERS (H.K.) LTD age Number lient /ork Order

| HK0712314, Amendment 1 | |
|------------------------|--|
| Į. | |

| HK0712314-00 | HK0712314-007 | HK0712314-006 | Laboratory Sample ID : | Inalytical Results |
|--------------|---------------|----------------|------------------------|--------------------|
| M4 (DUPLICAT | M4 | M3 (DUPLICATE) | Client Sample ID : | 1 11 11 11 |
| | | | | |

| | | 10010 | T. Ol olamos | Client Semale In . M.3 /DI IDI ICATE) | M4 | M4 (DUPLICATE) | 5 | CI (DOPLICALE) |
|---|----------------------|-----------|-----------------------|---|----------------------|----------------------|----------------------|----------------------|
| Tank to the Control of the | | 5 | . dampie in | (1 LOC) CM | | | 000 77007107 | 131/0740244 040 |
| Alialylical nesults | | Laborator | Laboratory Sample ID: | HK0712314-006 | HK0712314-007 | HK0712314-008 | HKU/12314-009 | 010-+16717040 |
| ubmatrix: WATER | | Sample | Sample Date / Time : | 29 Aug 2007 | 29 Aug 2007 15:50 | 29 Aug 2007 15:50 | 29 Aug 2007 15:35 | 29 Aug 2007 15:35 |
| | CAS number LOR Units | 70Y | Units | 54.4 | 20.01 | | | |
| Method: Analysis Description | | | | | | | | |
| EA/ED: Physical and Aggregate Properties EA025: Suspended Solids (SS) | roperties | - | mg/L | 7 | 12 | 13 | ĸ | 4 |
| | | | | | | | | |

: 4 of 5

age Number

lient

C3 (DUPLICATE) HK0712314-014 29 Aug 2007 15:00 ĸ HK0712314-013 29 Aug 2007 15:00 ខ 4 C2 (DUPLICATE) HK0712314-012 29 Aug 2007 15:20 4 HK0712314-011 29 Aug 2007 15:20 4 Laboratory Sample ID : Sample Date / Time: Client Sample ID: mg/L Units TOR ∴ OVE ARUP & PARTNERS (H.K.) LTD HK0712314, Amendment 1 CAS number EA/ED: Physical and Aggregate Properties EA025: Suspended Solids (SS) Inalytical Results Method: Analysis Description ubmatrix: WATER ork Order



: OVE ARUP & PARTNERS (H.K.) LTD HK0712314, Amendment 1

5 of 5

age Number 'ient 'ork Order

Juality Control - Laboratory Duplicate (DUP) Results

| くここくとこのこと | | | | | | | | |
|-----------------------|---|--------------------------------|---|-------------|---------|-------------------------|-------------------|---------|
| | | | L- | | | Duplicate (DUP) Results | Results | |
| COLVEY Trace 16/A TED | | | | | | _ | Dunilicate Result | RPD (%) |
| atity ighe. Mailen | | | CAS number | 10Y | Chits | Original Nesult | Daphague Heart | |
| aboratory Sample ID | Client Sample ID | Method: Analysis Description | | | | | | |
| :A/FD: Physical and | :A/FD: Physical and Addregate Properties (QC Lot: 483226) | (QC Lot: 483226) | | c | 1/200 | | 7 | 0.0 |
| HK0712093-001 | Anonymous | EA025: Suspended Solids (SS) | | 7 | ma/l | 2 | 2 | 0.0 |
| HK0712314-004 | M2 (DUPLICATE) | EA025: Suspended Solids (SS) | | - | 1 | | | |
| AACO. Obvious and | :A/ED: Division and Angranafa Properties (OC Lot: 483227) | (OC Lot: 483227) | | | 11-00 | Ľ | ıc | 0.0 |
| ALED. LIIVSICAL ALIA | Samuel Care | (SO) OF THE SOUTH OF THE SOUTH | 1 | _ | Hg/L | 2 | , | |
| HK0712314-014 | C3 (DUPLICATE) | EAUZ5: Suspended Solids (33) | | C. | mo/l | 83 | 81 | 2.8 |
| HK0712319-001 | Anonymous | EA025: Suspended Solids (SS) | | | | | | |
| | | | Manual Control Control Control Control Doesnite | Transfer of | I cutor | SUC/ 0/1:40 | Doculto | |

| Single Control - Method Blank (MB). Single Control | 3) Singl | e Contro | Spike (| SCS) and | Judicale | 20 20 20 20 | Spike (SCS) and Dublicate Colling Spike (255) (Seattle | 211222 | |
|--|----------|---------------------------|---------|---------------|---------------|----------------------|--|--------------|---------------|
| | | | | | | | | 1000 to 1000 | |
| | | C 10117 | -11- | | Single Confro | I Spike (SCS) and Du | Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results | Dos) Results | |
| | Met | Method Blank (MB) Resurts | Suits | | 200 | | 1/0/ -1: | | DDD: (%) |
| latrix Type: WATER | | - | | Spike | Spike Rec | Spike Recovery (%) | Recovery Limits (76) | | 6.15 |
| | | | | 1 | | 000 | I our High | Value | Control Limit |
| | 200 | Hoide | Result | Concentration | SCS | 200 | 4 | | |
| Method: Analysis Description | רכצ | Cinto | | | | | | | |
| A 40 1701 at the control of the cont | 022261 | | | | | | | | |
| =A/ED: Physical and Aggregate Properties (40L0): 403£20 | 03550) | | , | 11-11-00 | 2 2 2 | | 85 115 | - | |
| EA025: Suspended Solids (SS) | 2 | mg/L | 7 | ZU mg/L | 000.0 | | | | |
| CAUCA. Guapanada Comas (CC) | | | | | | | | | |
| FA/FD: Physical and Addregate Properties (QCLot: 483227) | 83227) | | | | 6 | | 85 115 | | 1 |
| TANDEL O. CONTRACTOR (O.C.) | 2 | ma/L | 7 | 20 mg/L | 93.0 | | 1 | | |
| | | | | | | | | | |



HK0712460-005 31 Aug 2007 16:30 4 M2 (DUPLICATE) HK0712460-004 31 Aug 2007 16:45 V HK0712460-003 31 Aug 2007 16:45 **Z**2 v M1 (DUPLICATE) HK0712460-002 31 Aug 2007 16:55 ÷ HK0712460-001 31 Aug 2007 16:55 Ę Laboratory Sample ID: Client Sample ID: Sample Date / Time: mg/L Units TOR CAS number HK0712460, Amendment 1 EA/ED: Physical and Aggregate Properties EA025: Suspended Solids (SS) Inalytical Results Method: Analysis Description ubmatrix: WATER /ork Order

: OVE ARUP & PARTNERS (H.K.) LTD

. 2 of 5

age Number



C1 (DUPLICATE) HK0712460-010 31Aug 2007 17:10 v HK0712460-009 31 Aug 2007 17:10 ပ် ⊽ M4 (DUPLICATE) HK0712460-008 31 Aug 2007 15:50 N) HK0712460-007 31 Aug 2007 15:50 c M3 (DUPLICATE) HK0712460-006 31 Aug 2007 16:30 G Laboratory Sample ID: Sample Date / Time: Client Sample ID: mg/L Units FOR Method: Analysis Description CAS number
EA/ED: Physical and Aggregate Properties
EA025: Suspended Solids (SS) HK0712460, Amendment 1 Inalytical Results ubmatrix: WATER /ork Order

OVE ARUP & PARTNERS (H.K.) LTD

: 3 of 5

age Number

lient



C3 (DUPLICATE) HK0712460-014 31Aug 2007 16:15 ٧ HK0712460-013 31 Aug 2007 16:15 ដ ~ C2 (DUPLICATE) HK0712460-012 31 Aug 2007 17:30 v HK0712460-011 31 Aug 2007 17:30 ដ v Laboratory Sample ID: Sample Date / Time : Client Sample ID: mg/L Units **70**8 CAS number HK0712460, Amendment 1 EA/ED: Physical and Aggregate Properties EA025: Suspended Solids (SS) Inalytical Results Method: Analysis Description ubmatrix: WATER fork Order

OVE ARUP & PARTNERS (H.K.) LTD

. 4 of 5

age Number

lient



Duplicate (DUP) Results

OVE ARUP & PARTNERS (H.K.) LTD HK0712460, Amendment 1 : 5 of 5

age Number lient /ork Order

|) Results |
|------------------|
| ang) |
| Duplicate |
| Laboratory |
| 1 |
| Control |
| Quality |

| CAS number LOR Units Original Result Duplicate Result RPD (%) | (SS) 1 mg/L 11 11 0.0 (SS) 1 mg/L <1 <1 0.0 | |
|---|--|---|
| latrix Type: WATER aboratory Sample ID Client Sample ID Client Sample ID Rethod: Analysis Description | EA/ED: Physical and Aggregate Properties (QC Lot: 485047) HK0712460-001 M1 HK0712460-001 M1 EA025: Suspended Solids (SS) | 3 |

Quality Control - Method Blank (MB). Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results

| | | | | | | | C 7 100007 0. | (i) odino londaro chesiles | Col Rockille | |
|---|-------------|--------|---------------------------|-----------|---------------|--------------------|---------------------|--|--------------|----------------|
| | L | | | , D | | Single Contro | I Spike (SCS) and D | Single Control Spike (SCS) and Duplicate Control Spike (SCS) | 200 | |
| | | Ž | Method Blank (MB) Results | J MESCALS | | , | | 1/W -1. | 200 | 200° (%) |
| fatrix Type: WAIRK | | | • | | Snike | Spike Recovery (%) | overy (%) | Recovery Limits (%) | 214 | (2) |
| • | | | | | - Sundo | | | | Marken | Control I imit |
| | | | | | 10,30 | 970 | DCS | Low High | Anie | CONTROL FINITE |
| | CAC mirmhor | 80 | Units | Result | Concentration | 200 | | | | |
| Method: Analysis Description | | | | | | | | | | |
| 1001 of 1001 | K -40 1001 | DE0.47 | | | | | | | | |
| =4/FD: Physical and Addredate Propertit | | | | | - | 100 | | 25 - 15 | - | 1 |
| EA025: Suspended Solids (SS) | | 2 | mg/L | <2 | 20 mg/L | 6.08 | | | | |
| | | | | | | | | | | |



HK0712572-005 3 Sep 2007 16:10 40 M2 (DUPLICATE) HK0712572-004 3 Sep 2007 16:20 ۲ HK0712572-003 3 Sep 2007 16:20 ~ M1 (DUPLICATE) HK0712572-002 3 Sep 2007 16:30 6 HK0712572-001 3 Sep 2007 16:30 Ξ - Laboratory Sample ID : Sample Date / Time: Client Sample ID: mg/L Units LOR CAS number EA/ED: Physical and Aggregate Properties EA025: Suspended Solids (SS) Inalytical Results Method: Analysis Description ubmatrix: WATER

: OVE ARUP & PARTNERS (H.K.) LTD

: 2 of 5

age Number

HK0712572, Amendment 1

fork Order



b

: 3 of 5 : OVE ARUP & PARTNERS (H.K.) LTD

| : 3 of 5 | : OVE ARUP & PARTNERS (H.K.) LTD | HK0712572, Amendment 1 | |
|------------|----------------------------------|------------------------|--|
| age Number | lient | Jork Order | |

| /ork Order | HK0712572, Amendment 1 | | | | | | THAC INTELLEGISTIC |
|------------------------------|--|--|---|---------------------|---------------------------------|---------------------|------------------------------|
| Inalytical Results | Results | Client Sample ID: Laboratory Sample ID: | Client Sample ID: M3 (DUPLICATE) oratory Sample ID: HK0712572-006 | M4 HK0712572-007 | M4 (DUPLICATE) HK0712572-008 | C1 HK0712572-009 | C1 (DUPLICATE) HK0712572-010 |
| ubmatrix: WATER | | Sample Date / Time : | 3 Sep 2007 | 3 Sep 2007 15:40 | 3 Sep 2007 15:40 | 3 Sep 2007 17:00 | 3 Sep 2007 17:00 |
| Method: Analysis Description | | CAS number LOR Units | 200 | | | | |
| EA/ED: Physical and Aggrega | EA/ED: Physical and Aggregate Properties | 1 mg/L | 7 | 9 | 4 | ٧ | 7 |



C3 (DUPLICATE) HK0712572-014 3 Sep 2007 15:55 ~ HK0712572-013 3 Sep 2007 15:55 ខ 2 C2 (DUPLICATE) HK0712572-012 3 Sep 2007 16:50 ₹ HK0712572-011 3 Sep 2007 16:50 3 \overline{v} Laboratory Sample ID : Sample Date / Time: Client Sample ID: mg/L Units LOR CAS number HK0712572, Amendment 1 EA/ED: Physical and Aggregate Properties EA025: Suspended Solids (SS) Inalytical Results Method: Analysis Description ubmatrix: WATER /ork Order

OVE ARUP & PARTNERS (H.K.) LTD

: 4 of 5

age Number

lient



: OVE ARUP & PARTNERS (H.K.) LTD HK0712572, Amendment 1 : 5 of 5

Quality Control - Laboratory Duplicate (DUP) Results 'age Number 'lient Vork Order

| | | | Duplicate (DUP) Results | P) Results | |
|---|---|-------------|---|------------------|---------|
| fatrix Type: WATER | | - | Halle Original Bacult | Dunlicate Result | RPD (%) |
| aboratory Sample ID Client Sample ID | Method: Analysis Description CAS number | ים א | 1 | | |
| TAITS. Disciplined Assessment Despertion (OC. | ot* 485756) | | | | |
| EA/ED: Physical and Aggregate Froperites (40 cor. 100) | (C) | | 1/P | 7 | 0.0 |
| HK0712553-002 Anonymous | EA025: Suspended Solids (SS) | | | | ÜÜ |
| | EA025: Suspended Solids (SS) | 2 | mg/L <2 | 72 | |
| | | | | | |
| FA/ED: Physical and Aggregate Properties (QC Lot: 485/5/) | .ot: 485/5/) | | | - 40 | 00 |
| TIVOTABLE OCO (NA (DI IDI ICATE) | (FA025: Suspended Solids (SS) | ן ו | mg/∟ s | 2 | 200 |
| | FA005: Cuspended Colide (CC) | | mg/L <1 | \ | 0.0 |
| HK0712572-012 C2 (DUPLICATE) | EAUZO: Suspended Sonius (SO) | | | | |
| Suality Control - Method Blank | Duality Control - Method Blank (MB), Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results | olicate Cor | trol Spike (DC | S) Results | |
| | | | Miner (1990) - 11-01-11-10-10-11-11-11-11-11-11-11-11-1 | 0-11-0 | |

| Adatrix Type: WATER Method: Analysis Description Analysis Description CAS number LOR Units Result Concentration SCS Low High Value CG EAVED: Physical and Aggregate Properties (QCLot: 485757) 2 mg/L <2 20 mg/L 100 85 115 EAVED: Physical and Aggregate Properties (QCLot: 485757) 85 115 EAVED: Physical and Aggregate Properties (QCLot: 485757) 85 115 85 115 85 115 85 115 | | | | | | | | | | | |
|--|--|--------|--------------------|---------------|---------------|--------------|----------------------|----------------|---------------|-------------|----------------|
| fron CAS number LOR Units Result Concentration ScS Low High Value Aggregate Properties (QCLot: 485757) 2 mg/L <2 | | | Sadbard Dinnit /88 | of Destrike | | Sinale Contr | ol Spike (SCS) and l | Suplicate Cont | trof Spike (D | CS) Results | |
| fon CAS number LOR Units Result Concentration SCS DCS Low High Velue Aggregate Properties (QCLot: 485756) 2 mg/L <2 | Astris Time: WATER | • | nemon olam (me | a) resource | | , | | | - | | |
| CAS number LOR Units Result Concentration SCS DCS Low High Value te Properties (QCLot: 485757) 485757 <2 mg/L | ישור אלה אודים אינים אודים | | | | Spike | Spike Re | covery (%) | Recovery L | Limits (%) | 77 | (Ze) |
| CAS number LOR Units Result Concentration SCS DCS LoW right Value te Properties (QCLot: 485757) 2 mg/L <2 20 mg/L 102 85 115 | | | | | 1 ; T | | | | 47.1. | Mehre | Control I imit |
| te Properties (QCLot: 485756) <2 20 mg/L <2 20 mg/L 115 te Properties (QCLot: 485757) <2 20 mg/L 102 85 115 | | Ĺ | Units | Result | Concentration | SCS | DCS | TOW | ngn | ARIBA | COURT LANGE |
| te Properties (QCLot: 485757) te Properties (QCLot: 485757) <2 20 mg/L 102 85 115 | | | | | | | | | | | |
| te Properties (QCLot: 485757) te Properties (QCLot: 485757) 85 115 85 85 85 85 85 85 | The Property of the Property Office of | ARTER | | | | | | | | | |
| te Properties (QCLot: 485757) 2 mg/L <2 20 mg/L 102 85 115 15 | EA/ED: Physical and Aggregate Properties (words: | 1001 | | | | 00, | | 20 | | | |
| te Properties (QCLot: 485757) 85 115 | 1907 00100 7 7 7 0 30041 | ٥ |) E | \$\frac{1}{2} | 20 ma/L | 3 | | 8 | | | |
| te Properties (QCLot: 485757) 2 mg/L <2 20 mg/L 102 85 115 | EAUZS: Suspended Solids (SS) | ١ | | | | | | | | | |
| te rioperius (uccust vois 37) | of Colored State of S | 195757 | | | | | | | | | |
| 2 mg/L <2 LV mg/L 102 | EA/ED: Physical and Aggregate Properties (MCCot. | 100100 | | | 200 | 5 | | ä | | | |
| | FA025: Suspended Solids (SS) | 7 | mg/L | 7 | - 20 mg/L | 102 | | 3 | | | |
| | LOOSO: Orașponico Conta | | | | | | | | | | |



HK0712662-005 [5 Sep 2007] 4 M2 (DULPICATE) HK0712662-004 [5 Sep 2007] ⊽ HK0712662-003 [5 Sep 2007] M1 (DULPICATE) HK0712662-002 [5 Sep 2007] LO HK0712662-001 [5 Sep 2007] LO Laboratory Sample ID : Sample Date / Time : Client Sample ID: mg/L Units TOR CAS number EA/ED: Physical and Aggregate Properties EA025: Suspended Solids (SS) **Inalytical Results** Method: Analysis Description ubmatrix: WATER

: OVE ARUP & PARTNERS (H.K.) LTD

: 2 of 5

age Number

HK0712662, Amendment 1

Vork Order



: 3 of 5 : OVE ARUP & PARTNERS (H.K.) LTD HK0712662, Amendment 1 'age Number 'lient Vork Order

| 5 | HK0712662-009 | |
|-------------------------------------|------------------------|--|
| M4 (DULPICATE) | HK0712662-008 | |
| M4 | HK0712662-007 | |
| tiont Sample ID : M3 (D) II PICATE) | HK0712662-006 | |
| Client Sample ID : | Laboratory Sample ID : | |
| | Analytical Results | |

| Analytical Doculte | 5 | ent Sample ID : | Client Sample ID : M3 (DULPICATE) | M4 | M4 (DULPICALE) | | (DOLL 10A1L) | |
|--|--------|-----------------------|-----------------------------------|---------------|----------------|---------------|----------------|--|
| Allaly lical Ivesuits | Labora | aboratory Sample ID : | HK0712662-006 | HK0712662-007 | HK0712662-008 | HKU/12662-009 | 010-70071 JONE | |
| ubmatrix: WATER | Sam | Sample Date / Time : | [5 Sep 2007] | [5 Sep 2007] | [5 Sep 2007] | [5 Sep 2007] | [5 Sep 2007] | |
| Marked Androle Decemberies | 108 | LOR Units | | | | | | |
| Method: Analysis Description | 101 | | | | | | | |
| EA/ED: Physical and Aggregate Properties | | : | • | ** | 1. | 2 | က | |
| EA025: Suspended Solids (SS) | - | mg/L | 4 | - | 1 | | | |
| | | | | | | | | |



| age Number : 4 of 5 lient : OVE Al | 4 of 5 OVE ARUP & PARTNERS (H.K.) LTD HK0712662, Amendment 1 | K.) LTD | | | | | | ALS |
|--|--|----------------------|----------------------|---------------------|---------------------------------|---------------------|---------------------------------|-----|
| Inalytical Results | ults | Client Laboratory | Client Sample ID : | C2 HK0712662-011 | C2 (DULPICATE) HK0712662-012 | C3 HK0712662-013 | C3 (DULPICATE) HK0712662-014 | |
| ubmatrix: WATER | | Sample | Sample Date / Time : | [5 Sep 2007] | [5 Sep 2007] | [5 Sep 2007] | [5 Sep 2007] | |
| Method: Analysis Description | on CAS number | LOR | Units | | | | | |
| EA/ED: Physical and Aggregal EA025: Suspended Solids (SS) | EA/ED: Physical and Aggregate Properties EA025: Suspended Solids (SS) | _ | mg/L | ⊽ | \ \ \ | ₹ | ₹ | |



: 5 of 5

OVE ARUP & PARTNERS (H.K.) LTD HK0712662, Amendment 1 'age Number 'lient Vork Order

Quality Control - Laboratory Duplicate (DUP) Results

| | | | L | | | Duplicate (DUP) Results | Results | | |
|---|--|------------------------------|------------|-----|--------|-------------------------|-----------------------------------|---------|--|
| fatrix Type: WATER | | | | | 11020 | Original Bostol | Original Bossell Dimlicate Result | RPD (%) | |
| l ahoratory Sample ID | Client Sample (D | Method: Analysis Description | CAS number | LOX | Ormes | meaviging | i anno anno androm | | |
| المعامدة والمسالية | | | | | | | | | |
| TAVED. Obsession and | EAVED. Bluester and Assessment Bronceties (OC Lot: 486574) | /OC Lot: 486571) | | | | | | | |
| EAGE: Physical and | Aggregate Froperites | (40 con 1000) | | | l/um | 27 | 24 | 11.6 | |
| UV0743642 004 | Anonymous | FA025: Suspended Solids (SS) | | 0 | ינואיר | | | | |
| 100-21021 JONE | Significan | (0) 11 31 | | | /ou | _ | | 20.3 | |
| HK0712662-009 | <u></u> | EA025: Suspended Solids (SS) | | - | 1861 | | | | |
| 200 700 100 100 100 100 100 100 100 100 1 | Company Compan | l | | | | | | | |
| | | | | | | | | | |

Quality Control - Method Blank (MB), Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results

| | | | | | | | | | 0 000 | 14.5 | ľ |
|--|--------------|-------|---------------------------|----------|---------------|---------------|---|---------------------|-----------------|---------------|---|
| | L | 7,8 | Mothed Blank (MB) Recuite | Basriffe | | Single Contro | Single Control Spike (SCS) and Duplicate Control Spike (DCS) Resuns | plicate Control S | DIKE (DCS) KESO | (15 | |
| Active Types M/A LTH | | | | 2000 | | , | | | | 767 | |
| the section of the se | | | | | Spike | Spike Rec | Spike Recovery (%) | Recovery Limits (%) | (%) | KPDS (%) | |
| | _ | | | | 1 | | | | | timi l'action | • |
| | CASmimhor | 108 | Units | Result | Concentration | SCS | DCS | row rign | an varue | - | ۱ |
| Memod: Analysis Description | in a man out | - | | | | | | | | | |
| TAITE District Description (OCI of: 486574) | A +0 100) | 26574 | | | | | | | | | |
| EACH; Physical and Addiedate 110peline | | - | | | | | | | | | |
| TANDE: Consended Collide (CC) | | , | l/om | \$ | 20 mg/L | 93.5 | - | 22 | 0 | | Ì |
| CAUZO: onspeligen colina (co) | | , | 9,0 | | | | | | | | |
| | | | | | | | | | | | |



HK0712788-005 7 Sep 2007 12:05 M3 " M2 (DUPLICATE) HK0712788-004 7 Sep 2007 12:15 HK0712788-003 7 Sep 2007 12:15 $\overline{\mathsf{v}}$ M1 (DUPLICATE) HK0712788-002 7 Sep 2007 12:25 ĸ HK0712788-001 7 Sep 2007 12:25 M 4 Laboratory Sample ID : Sample Date / Time : Client Sample ID: mg/L Units TOR CAS number HK0712788, Amendment 1 EA/ED: Physical and Aggregate Properties EA025: Suspended Solids (SS) **Inalytical Results** Method: Analysis Description ubmatrix: WATER Vork Order

: OVE ARUP & PARTNERS (H.K.) LTD

: 2 of 5

'age Number



| 'age Number : lient : | : 3 of 5 : OVE ARUP & PARTNERS (H.K.) LTD HK0712788, Amendment 1 | ARTNERS (H.K | .) LTD | | | | | | (ALS) |
|---|--|---------------|----------------------|---|----------------------------------|---------------------|------------------------------|---------------------|---------------------------------|
| Inalytical Results | Results | | Client | Sample ID: | Client Sample ID: M3 (DUPLICATE) | M4 HV0712789-007 | M4 (DUPLICATE) HK0712788-008 | C1 HK0712788-009 | C1 (DUPLICATE) HK0712788-010 |
| ubmatrix: WATER | | | Laboratory Sample | Laboratory Sample ID. Sample Date / Time: | 7 Sep 2007 | 7 Sep 2007 | 7 Sep 2007 | 7 Sep 2007 | 7 Sep 2007 12:40 |
| Method: Analysis Description | scription | CAS number | LOR | Units | 12:05 | C4.1 L | 25.1 | | |
| EA/ED: Physical and Aggrega EA025: Suspended Solids (SS) | EA/ED: Physical and Aggregate Properties EA025: Suspended Solids (SS) | roperties | - | mg/L | ĸ | s. | 4 | 7 | ⊽ |
| | | | | | | | | | |



| age Number ilent /ork Order | : 4 of 5 : OVE ARUP & PARTNERS (H.K.) LTD HK0712788, Amendment 1 | K.) LTD | | | | | : | (ALS) |
|-----------------------------------|--|---------|---|---------------------|---------------------------------|---------------------|---------------------------------|-------|
| Inalytical Results | Results | Client | Client Sample ID : | C2 HK0712788-011 | C2 (DUPLICATE) HK0712788-012 | C3 HK0712788-013 | C3 (DUPLICATE) HK0712788-014 | |
| ubmatrix: WATER | | Sample | Sample Date / Time : | 7 Sep 2007 | 7 Sep 2007 | 7 Sep 2007 | 7 Sep 2007 11:55 | |
| Method: Analysis Description | escription CAS number | LOR | Units | 12.33 | 12.30 | 00:1- | | |
| EA/ED: Physica | EA/ED: Physical and Aggregate Properties | , | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 7 | | 2 | <u>-</u> | |
| EA025: Suspended Solids (SS) | ded Solids (SS) | - | IIIB/L | , | | | | |



: 5 of 5

OVE ARUP & PARTNERS (H.K.) LTD HK0712788, Amendment 1 'age Number 'lient Vork Order

| Results | |
|------------|--|
| (DUP) | |
| uplicate (| |
| boratory D | |
| I - Labo | |
| Contro | |
| Suality C | |

| 4 - 4 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - | | | | | | Duplicate (DUP) Results | Results | |
|---|--|---|------------|-----|-------|--|------------------------|-------------|
| rainx Type: WATER | | | | | | 20,000 | Described Constitution | 170/ 400 |
| "aboratory Sample ID | Client Sample ID | Method: Analysis Description | CAS number | LOR | Units | Onginal Result | Duplicate Kesuit | (b/) (1/4) |
| EA/ED: Dhireingland & | A/ED: Dimeical and Augranata Properties (OC Lot: 487905) | 1C Lot: 487905) | : | | | | | |
| בארבי. דוואשוכמו מוום ז | The same of the sa | (TAO) - 100 | | , | /au | 22 | 25 | 12.6 |
| HK0712745-005 | Anonymous | EAUZD: Suspended Solids (SS) | | 1 | | 17 | 40 | αO |
| HK0712787-002 | Anonymous | EA025: Suspended Solids (SS) | | 7 | mg/L | | 8 | 0.0 |
| EAVED: Description | C) coit-occup oforces | 10 1 ot: 487007) | | | | | | |
| TATE TO SECULATION A | A ED. Priysical and Aggregate Properties (&C EDL. 401 sor) | (C LOL: 46/ 80/) | | - | (1 | | 0 | EA E |
| HK0712788-008 | M4 (DUPLICATE) | FA025: Suspended Solids (SS) | i | _ | mg/L | 4 | O | 0.4.0 |
| 700 00 10 10 11 | (S. 1011 10.1) | 1 200 CHILD LOLD 100 CHILD | | 6 | ma/l | 29 | 59 | 0.0 |
| HK0/12/89-004 | Anonymous | EAUZO: Susperided Solids (SS) | | 7 | | ************************************** | | |
| | | | | | | | | |

Quality Control - Method Blank (MB), Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results

| | | Mothod Blank (MR) Resulfs | Results | | Single Contro | Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results | uplicate Com | rol Spike (D | CS) Results | |
|--|-----------|---------------------------|---------|---------------|---------------|--|---------------------|--------------|-------------|---------------|
| dank type; which | _ | | | Spike | Spike Red | Spike Recovery (%) | Recovery Limits (%) | imits (%) | | RPDs (%) |
| Method: Analysis Description CAS number | LOR | Units | Result | Concentration | SCS | DCS | Low | Low High | Value | Control Limit |
| =A/ED: Physical and Aggregate Properties (OCLot: 487905) | : 487905) | | | | | | | | | |
| FA025: Suspended Solids (SS) | 2 | ma/L | 2 | 20 mg/L | 87.5 | 1 | 82 | 115 | 1 | ***** |
| The last of the la | 4070070 | | | | | | | | | |
| EA/ED: Physical and Aggregate Properties (GCLOL 46/30/) | . 401301 | | | | | | 5 | 377 | | |
| EA025: Suspended Solids (SS) | 7 | mg/L | 8 | 20 mg/L | 93.0 | | င္မွ | CII | | |
| | | | | | | | | | | |



HK0712917-005 10 Sep 2007 14:55 M2 (DUPLICATE) HK0712917-004 10 Sep 2007 14:40 N HK0712917-003 10 Sep 2007 14:40 M2 ~ M1 (DUPLICATE) HK0712917-002 10 Sep 2007 14:30 2 HK0712917-001 10 Sep 2007 14:30 4 Laboratory Sample ID: Sample Date / Time : Client Sample ID: mg/L Units 203 CAS number EA/ED: Physical and Aggregate Properties EA025: Suspended Solids (SS) **Analytical Results** Method: Analysis Description ubmatrix: WATER

OVE ARUP & PARTNERS (H.K.) LTD

: 2 of 5

age Number lient Vork Order

HK0712917, Amendment 1



3 of 5 : OVE ARUP & PARTNERS (H.K.) LTD HK0712917, Amendment 1 'age Number 'lient Vork Order

| HK0712917-00 | HK0712917-007 | HK0712917-006 | Laboratory Sample ID: | Alialy lical results |
|--------------|---------------|---------------|-----------------------|----------------------|
| M4 (DUPLICAT | M4 | M3 (DUPLICA | Client Sample 1D : | Anolytical Bosinite |
| | | | | |

| HK0712917-009 10 Sep 2007 13:20 | | | | | | | | | |
|--|------------------------------------|------------|-----------|--------------|----------------|---------------|----------------|----------------------|----------------------|
| Laboratory Sample ID: | 4 1. 47 10 | | Client | Sample ID: | M3 (DUPLICATE) | M4 | M4 (DUPLICATE) | ច | C1 (DUPLICALE) |
| scription CAS number LOR Units 10 Sep 2007 10 Sep 2007 10 Sep 2007 10 Sep 2007 13:20 14:20 | Analytical Results | | Laboraton | / Sample ID: | HK0712917-006 | HK0712917-007 | HK0712917-008 | HK0712917-009 | HK0712917-010 |
| CAS number LOR Units 14.55 C.C. | ubmatrix: WATER | | Sample | Date / Time: | | 10 Sep 2007 | 10 Sep 2007 | 10 Sep 2007 13:20 | 10 Sep 2007 13:20 |
| ie Properties | | CAS number | LOR | Units | 00:4 | 20:01 | | | |
| | EA/ED: Physical and Aggregate Prop | perties | - | | 4 | 3 | 2 | | +- |
| | CACAS Suspenden conds (cc) | | - | 1 6 | | | | 3 | |



C3 (DUPLICATE) HK0712917-014 10 Sep 2007 14:10 HK0712917-013 10 Sep 2007 14:10 ឌ ~ C2 (DUPLICATE) HK0712917-012 10 Sep 2007 13:40 ⊽ HK0712917-011 10 Sep 2007 13:40 ĭ Client Sample ID : Laboratory Sample ID: Sample Date / Time: mg/L Units LOR CAS number EA/ED: Physical and Aggregate Properties EA025: Suspended Solids (SS) **Analytical Results** Method: Analysis Description ubmatrix: WATER

OVE ARUP & PARTNERS (H.K.) LTD

: 4 of 5

'age Number

HK0712917, Amendment 1

Vork Order



'age Number 'lient Vork Order

∴ 5 of 5
∴ OVE ARUP & PARTNERS (H.K.) LTD HK0712917, Amendment 1

|) Results | |
|-----------|---|
| | |
| 5 | |
| (DUP | |
| 0 | |
| at | |
| ic | |
| ď | |
| Ξ | |
| 7/ | |
| X | |
| itc | |
| oorat | |
| bc | |
| ā | |
| 5 | |
| = | |
| 7 | |
| U | |
| 5 | |
| 7 | |
| 7 | ı |
| O | |
| 2 | |

| fatrix Tyne: WATER | | | | | Cupincate Doc) vasaus | Masaura | | _ |
|-----------------------|--|---|-----------|---------|------------------------|----------------------------------|---------|---|
| aboratory Samole ID | Client Sample (D | Method: Analysis Description CAS number | tper 1.04 | R Units | Original Result | Original Result Duplicate Result | RPD (%) | |
| CAME District on A | O) coit coord of constant |)C ot: 404370) | | | | - | - | _ |
| EAVED: Physical and A | EALED: Physical and Agglegate Figherines (40 EDE 3010) | ±0 co: 451515/ | | # | 77 | 43 | C | _ |
| HK0712917-001 | M | EA025: Suspended Solids (SS) | | mg/L | 4 | 2 | | _ |
| 11/07470047 | 3 | EA025: Quenanded Solide (SS) | - | ma/L | ₹ | ₹ | 0.0 | _ |
| 10-2187170VL | 2 | | | | | | | |

Quality Control - Method Blank (MB), Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results

| 4.44.5. T 14/A T.CO | L | M | Method Blank (MB) Result | Results | | Single Contri | Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results | iplicate Cont | rol Spike (D | CS) Results | |
|--|------------------|---|--------------------------|---------|---------------|---------------|--|---------------------|--------------|-------------|---------------|
| Taurx Type: WATER | | | , | | Spike | Spike Re | Spike Recovery (%) | Recovery Limits (%) | imits (%) | RPL | RPDs (%) |
| | A Committee | 90. | linite | Result | Concentration | SCS | DCS | MO7 | Low High | Value | Control Limit |
| metnod: Analysis Description | _ | 5 | 2000 | | | | | | | | |
| =A/ED: Physical and Angregate Properties (OCLot: 491370) | ties (OCL of: 49 | 1370) | | | | | | | | | |
| man in the commence of the com | | | | | - | , , | | | 115 | | |
| EA025: Suspended Solids (SS) | ŀ | 7 | mg/L | \$' | Z0 mg/L | TUL | | 60 | <u> </u> | | |
| | | A Property of the Party of the | | | | | | | | | |



HK0713005-005 12 Sep 2007 16:00 M2 (DUPLICATE) HK0713005-004 12 Sep 2007 15:50 N HK0713005-003 12 Sep 2007 15:50 M1 (DUPLICATE) HK0713005-002 12 Sep 2007 15:40 00 HK0713005-001 12 Sep 2007 15:40 Ξ ~ Laboratory Sample ID : Sample Date / Time : Client Sample ID: Units mg/L TOR CAS number EA/ED: Physical and Aggregate Properties EA/25: Suspended Solids (SS) Analytical Results Method: Analysis Description iubmatrix: WATER

: OVE ARUP & PARTNERS (H.K.) LTD

: 2 of 5

'age Number

HK0713005, Amendment 1

Vork Order



| *age Number : 3 of 5 "lient : OVE A | 3 of 5 OVE ARUP & PARTNERS (H.K.) LTD HK0713005. Amendment 1 | c) LTD | | | | | | ALS | |
|---|--|------------------------|----------------------|---|---------------------|---------------------------------|----------------------|---------------------------------|--|
| | | | | | | | | STACE SOLICE AND | |
| Analytical Results | <u>Its</u> | Client (Laboratory | Client Sample ID : | Client Sample ID: M3 (DUPLICATE) oratory Sample ID: HK0713005-006 | M4 HK0713005-007 | M4 (DUPLICATE) HK0713005-008 | C1 HK0713005-009 | C1 (DUPLICALE) HK0713005-010 | |
| iubmatrix: WATER | | Sample [| Sample Date / Time : | 12 Sep 2007 | 12 Sep 2007 | 12 Sep 2007 | 12 Sep 2007 14:40 | 12 Sep 2007 14:40 | |
| Method: Analysis Description | CAS number | LOR | Units | 16:00 | 14.20 | | | | |
| EA/ED: Physical and Aggregate Properties EA025: Suspended Solids (SS) | ggregate Properties ds (SS) | - | mg/L | r. | 2 | 2 | ₹ | ∇ | |



: 4 of 5 : OVE ARUP & PARTNERS (H.K.) LTD HK0713005, Amendment 1 Page Number Vient Vork Order

| Analytical Results | Client Sample ID: | CZ | C2 (DUPLICATE) | ន | C3 (DUPLICATE) | |
|--|-----------------------|---------------|----------------|---------------|----------------|--|
| | Laboratory Sample ID: | HK0713005-011 | HK0713005-012 | HK0713005-013 | HK0713005-014 | |
| iubmatrix: WATER | Sample Date / Time: | 12.5 | 12 Sep 2007 | 12 Sep 2007 | 12 Sep 2007 | |
| Method: Analysis Description CAS number | CAS number LOR Units | 15:00 | 15:00 | 05:51 | 15.50 | |
| EA/ED: Physical and Aggregate Properties | | | | • | | |
| EA025: Suspended Solids (SS) | 1 mg/L | V | \ \ | ⊽ | v | |
| | | | | | | |



Duplicate (DUP) Results

: OVE ARUP & PARTNERS (H.K.) LTD HK0713005, Amendment 1 : 5 of 5 Page Number Slient

Vork Order

| | sults |
|---|-----------|
| | Res |
| | DOP |
| ĺ | cate (I |
| | uplica |
| | 0 |
| l | orator |
| | - Laborat |
| | 7-10 |
| | ntro |
| | ζ ζ |
| | ualii |
| ı | |

| 1011 V - 1120 - 112 | | | | | | | | | |
|--|--|-------------------------------|------------|-----|--------|-----------------|------------------|---------|--|
| in and a wine | 3 3 | Interest Amphoris Description | CAS number | 807 | Units | Original Result | Duplicate Result | RPD (%) | |
| Laboratory Sample ID | Cilent Sample ID | meniou: Analysis Description | | | | | | | |
| CA/CD. Divinion! and | A/ED: Dissipal and Aggregate Droporties (OC 1 of 492272) | C I ot: 492272) | | | | | | | |
| TATE TINSICAL ALLC | Aggregate richerines it | | | - | 10 = | 6.2 | 92 | | |
| UV0742020 004 | Anonymous | FA025: Suspended Solids (SS) | 1 | 7 | mg/L |) (i | 00 | | |
| 100-6057 1001 | Choling in the | | | C | 1 | 40 | 7 | ır | |
| HK0712080-003 | Anonymous | FA025: Suspended Solids (SS) | 1 | 7 | riig/L | 01 | 2 | 200 | |
| 200-00-00-00-00-00-00-00-00-00-00-00-00- | in an | | | | | | | | |
| EA/ED: Dhyeical and | =A/ED: Dhysical and Aggregate Properties (OC Lot: 492274) | C Lot: 492274) | | | | | | | |
| | The control of the co | | | , | (1000 | r | _ | _ | |
| UK0712005_007 | IMP (DI IDI ATE) | FA025: Suspended Solids (SS) | | _ | ⊞g/L | 7 | 1 | 0.0 | |
| 100-000-10VI | ואוב (שטו בוסרוב) | | | | 1/2 | 1.4 | 7 | _ | |
| HK0713005-014 | (PI IDI ICATE) | EA025: Suspended Solids (SS) | | - | TIG/L | 7 | , | 2:5 | |
| 100001 | (11) | | | | | | | | |
| | | | | | | | | | |

Quality Control - Method Blank (MB), Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results

| | | Method Blank (MB) Results | Results | | Single Confro | Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results | uplicate Cont | roi Spike (D | CS) Results | |
|---|---------|---------------------------|---------|---------------|---------------|--|---------------------|--------------|-------------|---------------|
| natrix Type: WATER | • | | | Spike | Spike Rec | Spike Recovery (%) | Recovery Limits (%) | imits (%) | | RPDs (%) |
| Mathed: Amelicain Decembering | 108 | Units | Result | Concentration | SOS | DCS | Low High | High | Value | Control Limit |
| | | | | | | | | | | |
| EA/ED: Physical and Aggregate Properties (QCLot: 492272) | 492272) | | | | | | | | 3 | |
| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | , | //ww | 0 | 1/0 mu/l | 89.0 | ****** | 82 | 115 | • | 1 |
| EAU25: Suspended Solids (SS) | - 2 | 119/11 | 7, | 1.6.1 | | | | | | |
| EA/EN: Physical and Aggregate Properties (OCL of: 492274) | 492274) | | | | | | | | | |
| | | : | , | | 007 | | ı c | 445 | | - |
| EA025: Suspended Solids (SS) | 2 | mg/L | 7 | ZV mg/L | 001 | | 20 | 2 | | |
| | | | | | | | | | | |



HK0713201-005 14 Sep 2007 16:10 **X** N M2 (DUPLICATE) HK0713201-004 14 Sep 2007 16:00 ~ HK0713201-003 14 Sep 2007 16:00 M2 M1 (DUPLICATE) HK0713201-002 14 Sep 2007 15:55 HK0713201-001 14 Sep 2007 15:55 Œ. m Laboratory Sample ID : Sample Date / Time : Client Sample ID: mg/L Units **207** CAS number EA/ED: Physical and Aggregate Properties EA/25: Suspended Solids (SS) ----Analytical Results Method: Analysis Description **Jubmatrix: WATER**

: OVE ARUP & PARTNERS (H.K.) LTD

: 2 of 5

Sage Number Slient Vork Order

HK0713201



: 3 of 5 : OVE ARUP & PARTNERS (H.K.) LTD HK0713201 Page Number Slient Nork Order

| Analytical Recults | | Client | t Sample ID : | Client Sample ID : M3 (DUPLICATE) | M4 | M4 (DUPLICATE) | 5 | C1 (DUPLICATE) |
|--|----------------------|-----------|-----------------------|-----------------------------------|---------------|----------------|---------------|----------------|
| All all treat the area | | Laborator | -aboratory Sample ID: | HK0713201-006 | HK0713201-007 | HK0713201-008 | HK0713201-009 | HK0713201-010 |
| Submatrix: WATER | | Sample | Sample Date / Time : | 14 Sep 2007 | 14 Sep 2007 | 14 Sep 2007 | 14 Sep 2007 | 14 Sep 2007 |
| Method: Analysis Description | CAS number LOR Units | TOR | Units | 16:10 | 15:30 | 06.61 | 00:01 | 20.21 |
| EA/ED: Physical and Aggregate Properties | perties | | | | | | | |
| EA025: Suspended Solids (SS) | - | - | mg/L | 3 | က | 2 | • | V |
| | | | | | | | | |



: 4 of 5 : OVE ARUP & PARTNERS (H.K.) LTD HK0713201 Sage Number Slient Vork Order Analytical Meth EA ubr

| nalytical Results | Client | Sample ID: | Client Sample ID : C2 | C2 (DUPLICATE) | င္ဒ | C3 (DUPLICATE) | |
|--|----------------------|-----------------------|-----------------------|----------------|---------------|----------------|--|
| | Laboratory | aboratory Sample ID : | HK0713201-011 | HK0713201-012 | HK0713201-013 | HK0713201-014 | |
| Jebmatrix: WATER | Sample | Sample Date / Time : | 14 Sep 2007 | 14 Sep 2007 | 14 Sep 2007 | 14 Sep 2007 | |
| Hethod: Analysis Description CAS numbe | CAS number LOR Units | Units | 16:20 | 16:20 | 15:45 | 15:45 | |
| EA/ED: Physical and Aggregate Properties | | | | | | | |
| EA025: Suspended Solids (SS) | _ | mg/L | <-! | <1 | <1. | | |



: 5 of 5 : OVE ARUP & PARTNERS (H.K.) LTD HK0713201

Vork Order

Page Number Slient

Quality Control - Laboratory Duplicate (DUP) Results

| Matrix Type: WATER | | | | | | Duplicate (DUP) Results | Results | |
|----------------------|---|------------------------------|------------|-----|-------|-------------------------|------------------|---------|
| Laboratory Sample ID | Cilent Sample ID | Method: Analysis Description | CAS number | LOR | Units | Original Result | Duplicate Result | RPD (%) |
| EA/ED: Physical and | EA/ED: Physical and Angragate Properties (OC Lot: 494280) | OC Lot: 494280) | | | | | | |
| HK0713139-001 | Anonymous | EA025: Suspended Solids (SS) | | 2 | mg/L | 25 | 23 | 7.4 |
| HK0713198-001 | Anonymous | EA025: Suspended Solids (SS) | | 3 | mg/L | 131 | 131 | 0.0 |
| EA/ED: Physical and | EA/ED: Physical and Aggregate Properties (QC Lot: 494281) | QC Lot: 494281) | - | | | | | |
| HK0713201-010 | IC1 (DUPLICATE) | EA025: Suspended Solids (SS) | | ļ | mg/L | / | ۷۱ | 0.0 |
| ı | | | | | | | | |

Quality Control - Method Blank (MB). Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results

| Matrix Tuna: WATER | | Method Blank (MB) Results | 1) Results | | Single Contro | Single Control Spike (SCS) and Duplicate Control Spike (DCS) Resufts | uplicate Com | tro! Spike (D | CS) Resufts | |
|--|---------|---------------------------|------------|---------------|---------------|--|---------------------|---------------|-------------|---------------|
| | | • | | Spike | Spike Rec | Spike Recovery (%) | Recovery Limits (%) | (%) stimit. | | RPDs (%) |
| Method: Analysis Description CAS number | LOR | Units | Result | Concentration | SCS | SOO | Low High | High | Value | Control Limit |
| EA/ED: Physical and Aggregate Properties (QCLot: 494280) | 494280) | | | | | | | | | |
| EA025: Suspended Solids (SS) | 2 | | <25 | 20 mg/L | 86.5 | | 85 | 115 | | - |
| EA/ED: Physical and Aggregate Properties (QCLot: 494281) | 494281 | | | | | | | | | |
| EA025: Suspended Solids (SS) | 2 | mg/L | 42 | 20 mg/L | 100 | | 85 | 115 | | |
| | | | | | | | | | | |

Appendix 6

Plant species recorded during baseline survey

Plant species recorded at Pak Ngan Heung Stream (N) Section

| Species | Habit | Native | Relative abundance at site | Conservation Status in Hong Kong* | Habitat in Hong Kong* |
|--------------------------|---------|--------|----------------------------|---|--|
| Achyranthes aspera | herb | sex | occasional | common; pantropical weed | wasteland |
| Acorus gramineus | herb | ves | scarce | very common | streamsides |
| Alangium chinense | tree | yes | scarce | common | lowland forest; |
| Alocasia macromhiza | herb | yes | occasional | very common | lowland forest, streamsides and near villages |
| Bamboo | herb | · | scarce | | • |
| Bidens pilosa | herb | yes | occasional | very common; pantropical weed of American origin | wasteland |
| Bridelia tomentosa | tree | yes | occasional | very common | shrubland and forest; |
| Calamus tetradactylus | herb | yes | scarce | common | climber; lowland forest and shrubland; |
| Celtis sinensis | tree | yes | occasional | common; also planted | forest and near villages |
| Centotheca lappacea | grass | yes | scarce | common | roadsides and forest margins; |
| Christella parasitica | fern | yes | occasional | very common | forest and streamsides; |
| Cleistocalyx operculatus | tree | yes | occasional | common | fung shui woods and along streams; |
| Coix lacryma-iobi | grass | . 0 | scarce | common; pantropical weed of Asian origin | stream sides and cultivated areas |
| Commelina paludosa | herb | sək | scarce | rare | streamsides; |
| Ficus hispida | tree | yes | common | very common | forest and streamsides; |
| Ficus superba | free | yes | occasional | (common, also planted) | streamside |
| Glochidion zeylanicum | tree | yes | occasional | common | wetlands and streamsides; |
| Hedychium coronarium | herb | ou ou | scarce | (cultivated) | ¥ |
| Ipomoea cairica | climber | yes | occasional | very common; pantropical weed | wasteland; |
| Liaustrum sinense | shrub | sex | occasional | common; also widely cultivated | lowland forest margins; |
| Litsea glutinosa | tree | yes | occasional | very common | shrubland and forest, particularly near the coast; |
| Litsea rotundifolia | shrub | yes | scarce | very common | shrubland and forest; |
| Lyaodium iaponicum | fern | yes | scarce | very common | shrubland; |
| Macaranga tanarius | tree | yes | occasional | common; also widely planted | wasteland and coastal areas; |
| Mallotus paniculatus | tree | yes | scarce | very common | lowland forest; |
| Microcos paniculata | tree | yes | scarce | common | lowland forest; |
| | | 007 | common | very common | wasteland and streamsides; |

| | | | Relative | | |
|-----------------------|---------|--------|-------------------|--|--|
| Species | Habit | Native | abundance at site | Conservation Status in Hong Kong* | Habitat in Hong Kong* |
| Mikania micrantha | climber | OU | common | very common; pantropical weed of tropical American origin | wasteland |
| Mimosa pudica | shrub | ou | occasional | very common; pantropical weed of tropical American origin | wasteland; |
| Musa paradisiaca | tree | ᅃ | scarce | (planted, crops) | A |
| Panicum maximum | grass | ou | common | very common; pantropical forage crop and weed of African origin | wasteland |
| Paspalum paspaloides | grass | yes | occasional | common; weed of tropical American origin | wasteland and roadsides |
| Phyllanthus urinaria | herb | yes | scarce | common | wasteland; |
| Plantago major | herb | yes | scarce | very common; cosmopolitan weed | wasteland; |
| | | | | соттоп | stream sides and near villages; |
| Pogonatherum crinitum | grass | yes | occasional | | |
| Polygonum chinense | herb | yes | occasional | very common | cultivated areas and lowland forest margins; |
| Pteris biaurita | fern | yes | scarce | common | forest; |
| Pueraria sp. | climber | yes | occasional | 74. | ı |
| Sida rhombifolia | shrub | yes | scarce | pantropical weed | wasteland; common; |
| Sterculia lanceolata | tree | yes | occasional | very common | lowland forest, particularly near streams; |

Plant species recorded at Luk Tei Tong Stream Section

| Species | Habit | Native | Relative abundance at site | Conservation Status in Hong Kong* | Habitat in Hong Kong* |
|-------------------------|---------|--------|----------------------------------|---|--|
| Acanthus ilicifolius | shrub | yes | common | common | mangrove |
| Acrostichum aureum | fern | yes | occasional | restricted | mangroves |
| Celtis sinensis | tree | yes | scarce | common; also planted | forest and near villages |
| Clerodendrum inerme | shrub | yes | abundant | соттоп | shrub; coastal habitats |
| Cyperus imbricatus | sedge | yes | occasional | common; pantropical weed | wetlands, wasteland and cultivation |
| Cyperus malaccensis | edge | yes | occasional | common | coastal mud-flats |
| Derris trifoliata | climber | yes | occasional | common | woody climber; mangrove |
| Eupatorium catarium | herb | OL OL | scarce | very common; a recent introduction from tropical America | wasteland |
| Excoecaria agallocha | shrub | yes | common | common | mangrove |
| Ficus superba | tree | yes | occasional | (common, also planted) | streamside |
| Fimbristylis ferruginea | sedge | yes | occasional | common | coastal wetlands |
| Fimbristylis sp. | sedge | yes | common | O#C | |
| Hibiscus tiliaceus | tree | yes | abundant | very common; also planted | coastal areas |
| Ipomoea cairica | climber | yes | occasional | very common; pantropical weed | wasteland |
| Kandelia obovata | shrub | yes | соттоп | very common | mangrove forest |
| Lantana camara | shrub | 01 | scarce | very common; pantropical weed of American origin, two cultivars widely naturalized in Hong Kong | wasteland |
| Leucaena leucocephala | tree | OU | occasional | common; planted and locally naturalized, of tropical American origin | wasteland |
| Litsea glutinosa | tree | yes | scarce | very common | shrubland and forest, particularly near the coast; |
| Macaranga tanarius | tree | yes | occasional | common | wasteland and coastal areas |
| Neyraudia reynaudiana | grass | yes | occasional | very common | wasteland and grassland |
| Paederia scandens | climber | yes | scarce | very common | shrubland, forest and wasteland |
| Panicum maximum | grass | 92 | common | very common; pantropical forage crop and weed of African origin | wasteland |
| Paspalum paspaloides | grass | yes | occasional | common; weed of tropical American origin | wasteland and roadsides |
| Premna serratifolia | tree | yes | scarce | common | coastal areas |
| Rhynchelytrum repens | grass | no | scarce | very common | wastelands, road sides |
| Sapium sebiferum | tree | yes | scarce | common; also widely planted | coastal areas and abandoned cultivation; |
| Scirpus sp. | sedge | yes | occasional | ī | T. |

| Species | Habit | Native | Relative abundance at site | Conservation Status in Hong Kong* | Habitat in Hong Kong* |
|-----------------------|---------|--------|----------------------------------|-----------------------------------|---|
| Terminalia catappa | tree | 9 | scarce | widely cultivated | |
| Toxocarpus wightianus | climber | yes | scarce | very common | slender woody climber; shrubland and lowland forest |
| Wollastonia biflora | climber | yes | occasional | common | sandy beaches |

Plant species recorded at Pak Ngan Heung Stream (S) Section

| Species | Habit | Native | Relative abundance at site | Conservation Status in Hong Kong* | Habitat in Hong Kong* |
|---------------------------|---------|--------|----------------------------------|---|--|
| Acacia auriculiformis | tree | no | scarce | (widely planted) | (plantation, roadside, mixed woodland) |
| Acacia confusa | tree | no | occasional | (widely planted) | (plantation, roadside, mixed woodland) |
| Achyranthes aspera | shrub | yes | occasional | common; pantropical weed | wasteland |
| Bougainvillea spectabilis | climber | 92 | scarce | (planted, landscape species) | /4 |
| Celtis sinensis | tree | yes | occasional | common; also planted | forest and near villages; common; also planted |
| Clerodendrum inerme | shrub | yes | occasional | common | coastal habitats |
| Cocculus orbiculatus | climber | yes | scarce | common | lowland forest and fung shui woods |
| Ficus superba | tree | yes | occasional | (common, also planted) | streamside |
| Ipomoea cairica | climber | yes | occasional | very common; pantropical weed | wasteland |
| Kandelia obovata | shrub | yes | scarce | very common | mangrove forest |
| Melaleuca quinquenervia | tree | DI0 | common | (widely planted) | (plantation, roadside, mixed woodland) |
| Mikania micrantha | climber | no | common | very common; pantropical weed of tropical American origin | wasteland |
| Morus alba | tree | 20 | scarce | common; apparently semi-naturalized in Hong Kong | wasteland and near villages |
| Panicum maximum | grass | no | common | very common; pantropical forage crop and weed of African origin | wasteland |
| Sapium sebiferum | tree | yes | scarce | common; also widely planted | coastal areas and abandoned cultivation |
| Wedelia triloba | climber | по | occasional | common; also widely cultivated; of tropical American origin | wasteland and coastal areas |
| Wollastonia biflora | climber | yes | occasional | соттоп | sandy beaches |

| Habitat in Hong Kong* | wetlands and grassland | grassland | | coastal areas and abandoned cultivation | wasteland and cultivated areas | wasteland | grassland and shrubland | wasteland and fung shui woods | wasteland and coastal areas |
|-----------------------------------|------------------------|--------------------|------------------------------|---|--------------------------------|--------------------------|-------------------------|-------------------------------|--|
| Habi | wetk | gras | 310.3 | coas | wast | wast | gras | wast | |
| Conservation Status in Hong Kong⁴ | common | very common | (planted, landscape species) | common; also widely planted | common | common; pantropical weed | very common | common; pantropical weed | common; also widely cultivated; of tropical American |
| Relative Abundance at site | occasional | occasional | scarce | occasional | common | occasional | scarce | occasional | common |
| Native | yes | yes | no | yes | no | yes | yes | yes | 9 |
| Habit | egpes | sedge | tree | tree | shrub | shrub | shrub | herb | climber |
| Species | Pycreus flavidus | Rhynchospora rubra | Salix babylonica | Sapium sebiferum | Sesbania cannabina | Sida rhombifolia | Tadehagi triquetrum | Urena lobata | Wedelia triloba |

* status follows Xing et al. (2000), status in brackets = personal comments (species not described by Xing et al. 2000)

| Species | Habit | Native | Relative Abundance at site | Conservation Status in Hong Kong* | Habitat in Hong Kong* |
|-----------------------|---------|--------|----------------------------------|---|--|
| Imperata cylindrica | grass | yes | occasional | very common | grassland |
| Ipomoea cairica | climber | yes | common | very common; pantropical weed | wasteland |
| Isachne globosa | grass | yes | abundant | very common | streamsides and wetlands |
| Kyllinga brevifolia | sedge | yes | scarce | common; pantropical weed. | grassland and cultivated areas |
| Lantana camera | shrub | no | occasional | very common; pantropical weed of American origin; two cultivars widely naturalized in Hong Kong. | wasteland |
| Lindernia anagallis | herb | yes | occasional | соттоп | grassland and cultivated areas |
| Litsea glutinosa | tree | yes | scarce | very common | shrubland and forest, particularly near the coast; |
| Livistona chinensis | tree | 01 | scarce | (landscape species, planted) | 10 |
| Ludwigia octovalvis | herb | yes | abundant | common; pantropical weed | wetlands |
| Ludwigia perennis | herb | yes | occasional | restricted | wetlands and wasteland |
| Macaranga tanarius | tree | yes | scarce | common | wasteland and coastal areas |
| Mallotus paniculatum | tree | yes | scarce | very common | lowland forest |
| Microcos paniculata | tree | yes | scarce | common, | lowland forest |
| Microstegium ciliatum | grass | yes | abundant | very common | wasteland and streamsides |
| Mikania micrantha | climber | ou | abundant | very common; pantropical weed of tropical American origin. | wasteland |
| Mimosa pudica | shrub | 91 | occasional | very common; pantropical weed of tropical American origin | wasteland |
| Musa paradisiaca | tree | 01 | occasional | (planted, crops) | 40 |
| Panicum maximum | grass | no | common | very common; pantropical forage crop and weed of African origin | wasteland |
| Panicum repens | grass | yes | occasional | very common; pantropical weed | coastal and cultivated areas |
| Paspalum conjugatum | grass | yes | abundant | common; weed of tropical American origin | wasteland |
| Paspalum orbiculare | grass | yes | occasional | very common | grassland |
| Paspalum paspaloides | grass | yes | сошшоп | common; weed of tropical American origin | wasteland and roadsides |
| Phyllodium pulchellum | shrub | yes | occasional | very common | grassland and shrubland |
| Pistia stratiotes | herb | yes | occasional | common; a pantropical weed | cultivated areas |
| Polygonum hydropiper | herb | yes | occasional | common | wetlands |
| Polygonum perfoliatum | herb | yes | abundant | common | wasteland and cultivated areas |
| Polygonum sp. | herb | yes | occasional | ŭ. | |
| Pueraria phaseoloides | climber | 01 | common | very common | grassland, shrubland and forest margins |

Plant species recorded at Luk Tei Tong Marsh site

| Species | Habit | Native | Relative Abundance at site | Conservation Status in Hong Kong* | Habitat in Hong Kong⁴ |
|----------------------------|---------|----------|----------------------------------|---|---|
| Ageratum conyzoides | herb | yes | occasional | common; pantropical herb of tropical American origin | wasteland |
| Alocasia macronhiza | herb | yes | scarce | very common | lowland forest, streamsides and near villages |
| Apluda mutica | grass | yes | occasional | very common | stream sides, along rivers and in wasteland |
| Aporosa dioica | tree | yes | scarce | very common | shrubland and forest |
| Bauhinia sp. | tree | yes | scarce | x | : |
| Canna indica | herb | <u>Б</u> | scarce | (landscape species) | |
| Cassia alata | shrub | DO . | scarce | (planted, occasional) | (wasteland) |
| Celtis sinensis | tree | yes | scarce | common; also planted | forest and near villages |
| Cocculus orbiculatus | climber | yes | scarce | common | lowland forest and fung shui woods |
| Coix lacryma-jobi | grass | 00 | occasional | common; pantropical weed of Asian origin | stream sides and cultivated areas |
| Colocasia esculenta | herb | ou 0 | abundant | (planted, crop) | 72.0 |
| Commelina diffusa | herb | yes | abundant | соттоп | streamsides and open places |
| Conyza canadensis | herb | OL. | occasional | very common | wasteland |
| Cyclosorus interruptus | fern | yes | occasional | common | wetlands |
| Cynodon dactylon | grass | yes | scarce | very common; pantropical weed of possibly African origin | wasteland and grassland |
| Cyperus imbricatus | sedge | yes | common | common; pantropical weed | wetlands, wasteland and cultivation |
| Cyperus iria | sedge | yes | scarce | common | wasteland and cultivation |
| Cyperus spp. | sedge | yes | common | ≅• | ,, |
| Echinochloa crusgalli | grass | yes | scarce | common; pantropical weed | wasteland |
| Eupatorium catarium | herb | no | common | very common; a recent introduction from tropical America | wasteland |
| Euphorbia hirta | herb | yes | scarce | very common; pantropical weed of tropical American origin | wasteland |
| Ficus hispida | tree | yes | occasional | very common | forest and streamsides |
| Fimbristylis sp. | sedge | yes | common | 10 | r |
| Glochidion zeylanicum | tree | yes | occasional | common | wetlands and streamsides |
| Hedychium coronarium | herb | no | abundant | (cultivated) | .30 |
| Hedyotis diffusa | herb | yes | scarce | very common | wasteland and cultivated areas |
| Hydrocotyle sibthorpioides | herb | yes | occasional | common | grassland and streamsides |

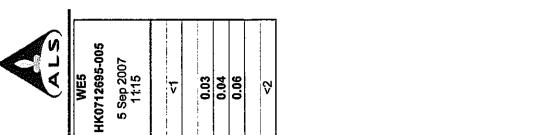
Appendix 7

Detailed water quality monitoring, sediment characteristics analysis and QA/QC results for ecological monitoring

Printed 11/26/2007 Time 10:28 AM

Project: Drainage Improvement in Southern Lantau Water Quality Baseline Monitoring

| Solid, mg/L | MI | 1.0 | 2.0 | o i | 0.0 | 5.0 | 7 7 |
|--------------------------|----|----------|-------------|----------|----------|--------------|----------|
| bidity, | M1 | 4.44 | 5.12 | 5 03 | 90.9 | 0.90 4 65 | 2 73 |
| Salinity, ppt | MT | <0.1 | 0.1 | 6 | 2 0.0 | 0.7 | ×0.1 |
| PH, Unit ppt | MJ | 6.4 | 7.1 | 7.0 | 2 0 | 9.0 | 6.2 |
| DO, mg/L | MI | 6.58 | 6.82 | R 37 | 7.61 | 6.87 | 5.70 |
| Temp. °C | MI | 25.5 | 27.6 | 27.9 | 20.3 | 27.2 | 26.0 |
| Water depth, m | | <1 | > | \ \ | V | ₹ | ₹ |
| Time | | 10:30 | 13:15 | 13:00 | 12:10 | 11:15 | 11:40 |
| Weather | | Sunny | Sunny | Sunny | Sunny | Sunny | Sunny |
| Sampling Date | | 5-Sep-07 | 5-Sep-07 | 5-Sep-07 | 5-Sep-07 | 5-Sep-07 | 5-Sep-07 |
| epj_ | | EBB | EBB | EBB | EBB | EBB | EBB |
| Position | | mid | mid | mid | mid | mid | mid |
| Lab ID Location Position | | WE1 | WE2 | WE3 | WE4 | WE5 | WE6 |
| Lab ID | | - | 2 | ო | 4 | 5 | 9 |



| Submatrix: WATER | Sample | Sample Date / Time : | 5 Sep 2007 | |
|--|--------|----------------------|------------|------------|------------|------------|--|---|
| Method: Analysis Description CAS number | 10R | Units | 10:30 | 13:15 | 13:00 | 12:10 | CI ; I | , |
| EA/ED: Physical and Aggregate Properties | | | | | | | 1. On the second | |
| EA025: Suspended Solids (SS) | - | mg/L | | 2 | 3 | က | ⊽ | |
| ED/EK: Inorganic Nonmetallic Parameters | | | | | | | | |
| EK055A: Ammonia as N 7664-41-7 | 0.01 | mg/L | 0.07 | | 0.11 | 0.23 | | |
| EK058A: Nitrate as N 14797-55-8 0.01 | 3 0.01 | mg/L | 0.12 | 0.13 | 0.13 | 0.31 | 0.04 | |
| EK071A: Reactive Phosphorus as P | 0.01 | mg/L | 0.04 | 90'0 | 90.0 | 0.09 | 90.0 | |
| EP: Aggregate Organics | | | • | | | | | |
| EP030: Biochemical Oxygen Demand | 7 | mg/L | <2 | <2 | <2 | <2 | <2 | |
| | | | | | | | | |

HK0712695-004

HK0712695-003

HK0712695-002

HK0712695-001

Laboratory Sample ID: Client Sample ID:

Analytical Results

Submatrix: WATER

: 2 of 4 : OVE ARUP & PARTNERS (H.K.) LTD HK0712695, Amendment 1

Page Number Slient Nork Order WE1

WE2

WE3

WE4



ALS

: 3 of 4 : OVE ARUP & PARTNERS (H.K.) LTD HK0712695, Amendment 1 Page Number Silent Work Order

| Analytical Results | Clie | Client Sample ID : | WEG | |
|--|-----------------|-----------------------|---------------|---|
| | Laborato | Laboratory Sample ID: | HK0712695-006 | |
| Submatrix: WATER | Samp | Sample Date / Time : | 5 Sep 2007 | |
| Method: Analysis Description CAS number | ber LOR | Units | 17:40 | |
| EA/ED: Physical and Aggregate Properties | | | | |
| EA025: Suspended Solids (SS) | _ | mg/L | ⊽ | |
| ED/EK: Inorganic Nonmetallic Parameters | | | • | |
| EK055A: Ammonia as N 7664-41 | 7664-41-7 0.01 | mg/L | 0.02 | |
| EK058A: Nitrate as N 14797-5 | 14797-55-8 0.01 | mg/L | 0.05 | ! |
| EK071A: Reactive Phosphorus as P | 0.01 | mg/L | 0.05 | |
| EP: Aggregate Organics | | | | |
| EP030: Biochemical Oxygen Demand — | 2 | mg/L | <2 | |



Nork Order

: OVE ARUP & PARTNERS (H.K.) LTD HK0712695, Amendment 1

Quality Control - Laboratory Duplicate (DUP) Results

| Watrix Type: WATER | | | | | | Duplicate (DUP) Results | Results | |
|----------------------|---|----------------------------------|------------|-----|-------|-------------------------|------------------|---------|
| Laboratory Sample ID | Client Sample ID | Method: Analysis Description | CAS number | TOR | Units | Original Result | Duplicate Resuit | RPD (%) |
| EA/ED: Physical and | EA/ED: Physical and Aggregate Properties (QC Lot: 487902) | t: 487902) | | | | | | |
| HK0712625-001 | Anonymous | (EA025: Suspended Solids (SS) | | 2 | mg/L | 4 | 9 | 37.1 |
| HK0712695-005 | WE5 | EA025: Suspended Solids (SS) | | 1 | mg/L | V | | 0.0 |
| ED/EK: Inorganic Non | ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 488433) | :: 488433) | | | | | | |
| HK0712219-010 | Anonymous | EK071A: Reactive Phosphorus as P | | 0.1 | mg/L | 1.3 | 1.3 | 0.0 |
| HK0712219-016 | Anonymous | EK071A: Reactive Phosphorus as P | | 0.1 | mg/L | 1.4 | 1.4 | 0.0 |
| ED/EK: Inorganic Non | ED/EK: Inorganic Nonmetallic Parameters (QC Lot: 490542) | :: 490542) | | | | - | | |
| HK0712768-010 | Anonymous | EK055A: Ammonia as N | 7664-41-7 | 0.1 | mg/L | ~0.1 | <0.1 | 0.0 |
| HK0712768-018 | Anonymous | EK055A: Ammonia as N | 7664-41-7 | 0.1 | mg/L | <0.1 | <0.1 | 0.0 |
| | | | | | | | | |

Quality Control - Method Blank (MB). Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results

| Watrix Type: WATER | _ | Method Blank (MB) Results | Results | | Single Contro | Single Control Spike (SCS) and Duplicate Control Spike (DCS) Results | uplicate Con | trol Spike (D | CS) Results | |
|--|---------|---------------------------|---------|---------------|--------------------|--|--------------|---------------------|-------------|---------------|
| | | | | Spike | Spike Recovery (%) | overy (%) | Recovery | Recovery Limits (%) | RPD | RPDs (%) |
| Method: Analysis Description CAS number | LOR | Units | Result | Concentration | scs | soa | Low | High | Value | Control Limit |
| EA/ED: Physical and Aggregate Properties (QCLot: 487902) | 487902) | | | | | | | | | |
| EA025: Suspended Solids (SS) | 7 | mg/L | <2 | 20 mg/L | 97.0 | | 85 | 115 | | |
| ED/EK: Inorganic Nonmetallic Parameters (QCLot: 488433) | 88433) | | | | | | | | | |
| EK071A: Reactive Phosphorus as P | 0.01 | mg/L | <0.01 | 0.5 mg/L | 94.5 | | 82 | 115 | | |
| ED/EK: Inorganic Nonmetallic Parameters (QCLot: 490542) | 90542) | | • | | | | | | | |
| EK055A: Ammonia as N 7664-41-7 | 0.01 | mg/L | <0.01 | 5.0 mg/L | 96.0 | | 82 | 115 | | |
| EP: Aggregate Organics (QCLot: 488960) | | | | | | | | | | |
| EP030: Biochemical Oxygen Demand | 2 | 7/6ш | | 198 mg/L | 100 | | 85 | 115 | | ****** |
| | | | | | | | | | | |

Quality Control - Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results

| Spike Spike Recovery (%) Recovery Line Spike Recovery (%) Recovery Line Spike Recovery (%) Recovery Line Spike Recovery (%) Low Normetallic Parameters (QCLot: 488433) Nonmetallic Parameters (QCLot: 490542) Nonmetallic Parameters (QCLot: 490542) Nonmetallic Parameters (QCLot: 490542) Annovinous EK0554: Ammonia as N 7664-41-7 0.5 mg/L 101 75 | Watrix Type: WATER | œ | | | | Matrix Spi | Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results | Spike Duplic. | ate (MSD) Re | ssuits | |
|---|----------------------|------------------------|----------------------------------|------------|---------------|------------|--|---------------|--------------|----------|---------------|
| s Description CAS number Concentration MS MSD Low Stive Phosphorus as P 5 mg/L 120 75 nonia as N 7664-41-7 0.5 mg/L 101 75 | | | | | Spike | Spike Rec | overy (%) | Recovery 1 | .imits (%) | RPDs (%) | (%) |
| tive Phosphorus as P 5 mg/L 120 75 nonia as N 7664-41-7 0.5 mg/l 101 75 | Laboratory Sample ID | Client Sample ID | Method: Analysis Description | CAS number | Concentration | MS | GSW | - | High | Value | Control Limit |
| stive Phosphorus as P 5 mg/L 120 75 | ED/EK: Inorganic N | fonmetallic Parameters | (QCLot: 488433) | | | | | | | | |
| nonia as N 7664-41-7 0.5 mo/l 101 7.5 | HK0712219-001 | Anonymous | EK071A: Reactive Phosphorus as P | | 5 mg/L | 120 | *** | 7.5 | 125 | | |
| Anonymous EK055A: Ammonia as N 7664-41-7 0.5 mg/l 101 75 | ED/EK: Inorganic N | Ionmetallic Parameters | (QCLot: 490542) | | : | | | | | | |
| | HK0712768-001 | Anonymous | EK055A: Ammonia as N | 7664-41-7 | 0.5 mg/L | 101 | - | 75 | 125 | | |

|] | |
|---------------------------|--|
| 125 | |
| 75 | |
| ! | |
| 101 | |
| 0.5 mg/L | |
| 7664-41-7 | |
| mous EK055A: Ammonia as N | |
| Anony | |
| HK0712768-00 | |



GEOTECHNICS & CONCRETE ENGINEERING (H.K.) LTD. 6 KO SHAN RD., GROUND FL., HUNG HOM, KOWLOON, HONG KONG. FAX NO.: 852-2765 8034 TEL.: 852-2365 9123



REPORT ON DETERMINATION OF PARTICLE SIZE DISTRIBUTION OF SOIL

IN ACCORDANCE WITH GEOSPEC 3 : 2001 TEST(S) 8.1

Page 1 of 1

REPORT NO.

: PSD07090038

DATE RECEIVED : 07/09/2007

CLIENT*

: ALS Technichem (HK) Pty Ltd

SITE*

TEST LOCATION : GROUND FLOOR, 20 PAK KUNG STREET, HUNG HOM, KOWLOON CONTRACT NO.* : --

DATE STARTED : 08/09/2007

W.O. NO.*

DATE COMPLETED: 11/09/2007

JOB NO.

TEST UNIT NO. : STP 070433

SAMPLE TYPE* : BULK

HOLE NO.*

: GCE/PS/070597 : HK0712696- 1

SAMPLE NO.* : WE 1

SAMPLE DEPTH* : --

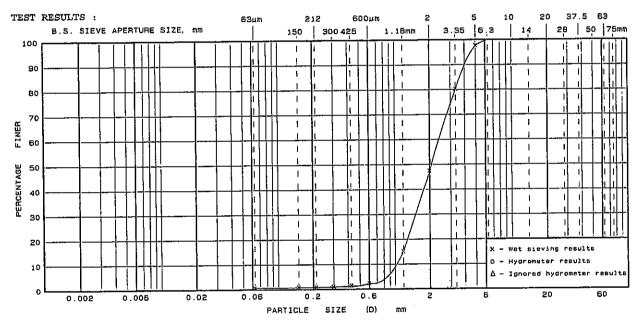
DESCRIPTION

: Wet dark brown sandy GRAVEL

SPEC. DEPTH* : --

SAMPLE PREPARATION:

Procedure for sieving test : Method A



| | Fine | Medium | Coerse | Fine | Medium | Coarse | Fine | Medium | Coerse | COB- |
|------|------|--------|--------|------|--------|--------|------|--------|--------|------|
| CLAY | | SILT | | | SAND | | | GRAVEL | | BLES |

The following information are only based on the opinion of the laboratory and are not under the scope of accreditation by HOKLAS :

ANALYSIS OF PARTICLE SIZE CURVE

(D₁₀) 1.1 mm Effective Diameter (D₅₀) 2.1 Median Diameter $(U = D_{60}/D_{10})$ Uniformity Coefficient (Ref. : Clause 6.59(4) of General Specification for Civil Engineering Works (1992)) FINAL SUMMARY

CLAY STLT SAND 46

GRAVEL 53

Note : *Information provided by client

Remarks:

TESTED BY : K.K. LAU

CHECKED BY :

W.K. Chan

CERTIFIED BY :

CHEUNG WING TAI

POST

: Lab. Technician

POST DATE : Reporting Officer : 14/09/2007

POST

: Dept. Manager

DATE

: 11/09/2007

Form No.: SOI-P19/R Issue 1 Rev.0 (20-2-2002) Page 38 of 40

DATE

: 14/09/2007

This laboratory is accredited by the Hong Kong Laboratory Accreditation Schewe (HOKLAS) for specific tests and/or measurements and the results shown in this test report have been determined in accordance with the laboratory's terms of accreditation. It shall not be reproduced except in full, without prior written approval of the issuing laboratory.



GEOTECHNICS & CONCRETE ENGINEERING (H.K.) LTD. 6 KO SHAN RD., GROUND FL., HUNG HOM, KOWLOON, HONG KONG. FAX NO.: 852-2765 8034 TEL.: 852-2365 9123



REPORT ON DETERMINATION OF PARTICLE SIZE DISTRIBUTION OF SOIL

TEST LOCATION : GROUND FLOOR, 20 PAK KUNG STREET, HUNG HOM, KOWLOON

IN ACCORDANCE WITH GEOSPEC 3 : 2001 TEST(S) 8.1

Page 1 of 1

: PSD07090039 REPORT NO.

DATE RECEIVED : 07/09/2007

DATE STARTED : 08/09/2007

DATE COMPLETED: 11/09/2007

SAMPLE TYPE* : BULK

SAMPLE DEPTH* : --

OK FOT HOLE NO.*

W.O. NO. *

CLIENT*

SITE*

: --: GCE/PS/070597

: --

CONTRACT NO.*: --TEST UNIT NO. : STP 070433

SAMPLE NO.* : WE 2

SPEC. DEPTH* : --

DESCRIPTION

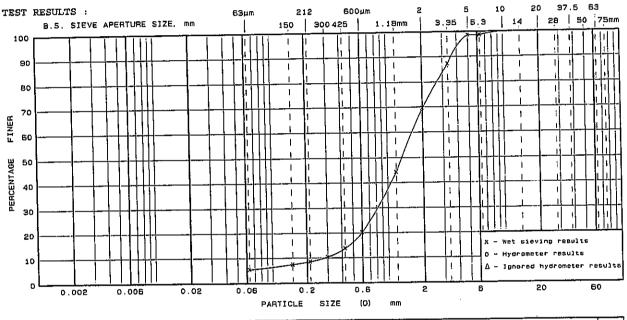
: HK0712696- 2

: Wet dark brown gravelly SAND

: ALS Technichem (HK) Pty Ltd

SAMPLE PREPARATION:

Procedure for sieving test : Method A



| | | | | | | | | <u></u> | | |
|------|------|--------|--------|------|--------|--------|------|---------|--------|--------|
| | Fine | Medium | Coerse | Fine | Medium | Coarse | Fine | Medium | Coarse | _ cos- |
| CLAY | - | SILT | , | | SAND | | | GRAVEL | | BLES |

The following information are only based on the opinion of the laboratory and are not under the scope of accreditation by HOKLAS :

ANALYSIS OF PARTICLE SIZE CURVE

(D₁₀) 0.29 CLAY Effective Diameter (D_{50}) 1.3 SILT Median Diameter $(v = D_{60}/D_{10})$ 5.7 SAND Uniformity Coefficient (Ref. : Clause 6.59(4) of General Specification for Civil Engineering Works (1992)) GRAVEL

Note: *Information provided by client Remarks:

POST

DATE

TESTED BY : K.K. LAU

: Lab. Technician

: 11/09/2007

POST

: Reporting Officer

DATE : 14/09/2007

CHECKED BY :

Form No.: SOI-P19/R Issue 1 Rev.0 (20-2-2002) Page 38 of 40

W.K. Chan

CERTIFIED BY :

FINAL SUMMARY

POST

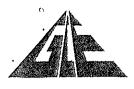
CHEUNG WING TAI : Dept. Manager

65

30

DATE

: 14/09/2007



GEOTECHNICS & CONCRETE ENGINEERING (H.K.) LTD. 6 KO SHAN RD., GROUND FL., HUNG HOM, KOWLOON, HONG KONG. TEL.: 852-2365 9123

FAX NO.: 852-2765 8034



REPORT ON DETERMINATION OF PARTICLE SIZE DISTRIBUTION OF SOIL

IN ACCORDANCE WITH GEOSPEC 3 : 2001 TEST(S) 8.1

Page 1 of 1

: PSD07090040 REPORT NO.

DATE RECEIVED : 07/09/2007

TEST LOCATION : GROUND FLOOR, 20 PAK KUNG STREET, HUNG HOM, KOWLOON

DATE STARTED : 08/09/2007

DATE COMPLETED: 11/09/2007

SAMPLE TYPE* : BULK

SAMPLE DEPTH* : --

W.O. NO.*

CLIENT* SITE*

JOB NO.

: GCE/PS/070597

CONTRACT NO.* : --TEST UNIT NO. : STP 070433

SAMPLE NO.* : WE 3

SPEC. DEPTH* : --

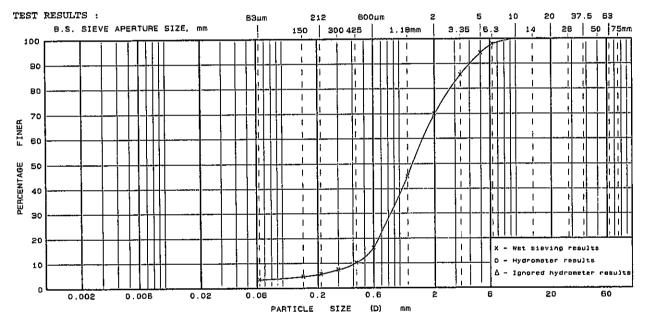
HOLE NO.* DESCRIPTION : HK0712696- 3

: Wet dark brown gravelly SAND

: ALS Technichem (HK) Pty Ltd

SAMPLE PREPARATION:

Procedure for sieving test : Method A



| | Fine | Medium | Coerse | Fine | Medium | Coarse | Fine | Medium | Coerse | COB- |
|------|---------------|--------|--------|------|--------|--------|------|--------|--------|------|
| CLAY | i | SILT | | | SAND | | | GRAVEL | | BLES |

The following information are only based on the opinion of the laboratory and are not under the scope of accreditation by HOKLAS :

ANALYSIS OF PARTICLE SIZE CURVE

Effective Diameter (D_{10}) 0.43 mm Median Diameter (D₅₀) 1.3 3.7 Uniformity Coefficient $(v = v_{60}/v_{10})$ (Ref. : Clause 6.59(4) of General Specification for Civil Engineering Works (1992)) FINAL SUMMARY

CLAY SILT SAND 67 GRAVEL, 30

Note : *Information provided by client Remarks:

: Lab. Technician

TESTED BY : K.K. LAU

POST

CHECKED BY :

POST

W.K. Chan : Reporting Officer

CERTIFIED BY :

POST

DATE

CHEUNG WING TAI : Dept. Manager

: 14/09/2007

DATE : 14/09/2007 : 11/09/2007 DATE Form No.: SOI-P19/R Issue 1 Rev.0 (20-2-2002) Page 38 of 40

This laboratory is accredited by the Hong Kong Laboratory Accreditation Scheme (HOKLAS) for specific tests and/or measurements and the results shown in this test report have been determined in accordance with the laboratory's terms of accreditation. It shall not be reproduced except in full, without prior written approval of the issuing laboratory.



CLIENT*

W.O. NO.*

HOLE NO. *

JOB NO.

SITE*

GEOTECHNICS & CONCRETE ENGINEERING (H.K.) LTD. 6 KO SHAN RD., GROUND FL., HUNG HOM, KOWLOON, HONG KONG. TEL.: 852-2365 9123

FAX NO.: 852-2765 8034



REPORT ON DETERMINATION OF PARTICLE SIZE DISTRIBUTION OF SOIL

TEST LOCATION : GROUND FLOOR, 20 PAK KUNG STREET, HUNG HOM, KOWLOON

IN ACCORDANCE WITH GEOSPEC 3 : 2001 TEST(S) 8.1

: GCE/PS/070597

Page 1 of 1

REPORT NO. : PSD07090041

DATE RECEIVED : 07/09/2007

DATE STARTED : 08/09/2007

DATE COMPLETED: 11/09/2007

SAMPLE TYPE* : BULK

SAMPLE DEPTH* : --

TEST UNIT NO. : STP 070433

SAMPLE NO.* : WE 4

CONTRACT NO.* : --

SPEC. DEPTH* : --

m

DESCRIPTION

: HK0712696- 4

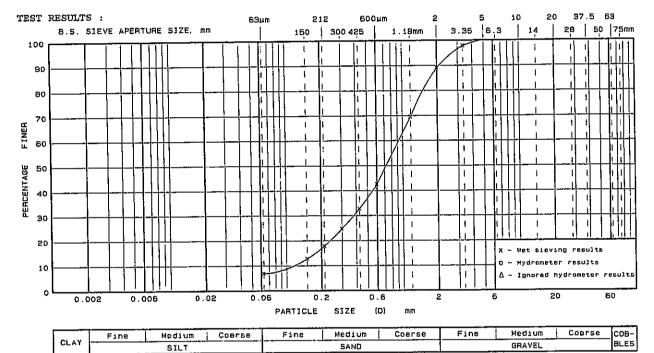
: Wet dark brown gravelly SAND

: ALS Technichem (HK) Pty Ltd

SAMPLE PREPARATION:

Procedure for sieving test : Method A

: --



The following information are only based on the opinion of the laboratory and are not under the scope of accreditation by HOKLAS :

ANALYSIS OF PARTICLE SIZE CURVE

Effective Diameter (D_{10}) 0.12 mm Median Diameter (D_{50}) 0.73 mm Uniformity Coefficient $(v = D_{60}/D_{10})$ 7.9 (Ref. : Clause 6.59(4) of General Specification for Civil Engineering Works (1992)) CLAY SILT

FINAL SUMMARY

SAND 82

GRAVEL

Note: *Information provided by client

: Lab. Technician

Remarks:

TESTED BY : K.K. LAU

CHECKED BY :

W.K. Chan

POST

CERTIFIED BY :

CHEUNG WING TAI : Dept. Manager

: 11/09/2007 DATE

POST DATE

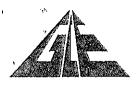
: 14/09/2007

: Reporting Officer

DATE

: 14/09/2007

Form No.: SOI-P19/R Issue 1 Rev.0 (20-2-2002) Page 38 of 40



GEOTECHNICS & CONCRETE ENGINEERING (H.K.) LTD. 6 KO SHAN RD., GROUND FL., HUNG HOM, KOWLOON, HONG KONG. TEL.: 852-2365 9123

FAX NO.: 852-2765 8034



REPORT ON DETERMINATION OF PARTICLE SIZE DISTRIBUTION OF SOIL

IN ACCORDANCE WITH GEOSPEC 3 : 2001 TEST(S) 8.1

Page 1 of 1

REPORT NO.

: PSD07090042

DATE RECEIVED : 07/09/2007

SITE*

TEST LOCATION : GROUND FLOOR, 20 PAK KUNG STREET, HUNG HOM, KOWLOON

DATE STARTED : 08/09/2007

DATE COMPLETED: 11/09/2007

JOB NO.

: --

CONTRACT NO.* : --TEST UNIT NO. : STP 070433

SAMPLE TYPE* : BULK

W.O. NO.* HOLE NO.*

CLIENT*

: GCE/PS/070597 : HK0712696- 5

SAMPLE NO.* : WE 5

SAMPLE DEPTH* : --SPEC. DEPTH* : --

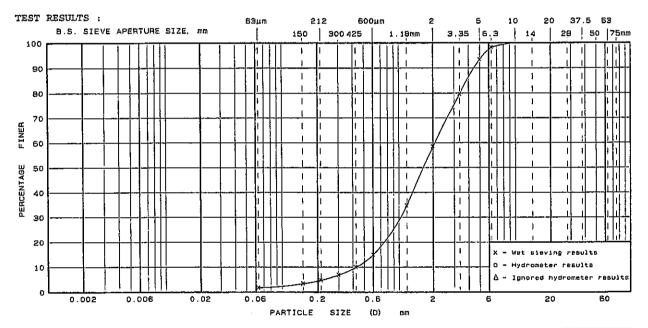
DESCRIPTION

: Wet brown gravelly SAND

: ALS Technichem (HK) Pty Ltd

SAMPLE PREPARATION:

Procedure for sieving test : Method A



| - 1 | | Fine | Medium ! | Coerse | Fine | WEGIUM | Coarse | Fine | 1 | wedinm | 1 | Coerse | C08- |
|-----|------|------|----------|--------|------|--------|--------|------|---|--------|---|--------|------|
| 1 | CLAY | | SILT | - | 7.5. | SAND | | | ` | GRAVEL | | | BLES |
| | | | | | | | | | | | | | |

The following information are only based on the opinion of the laboratory and are not under the scope of accreditation by HOKLAS :

ANALYSIS OF PARTICLE SIZE CURVE

FINAL SUMMARY

| Effective Diameter | (D ₁₀) | ** | 0.44 | mm | CLAY | = | 2 |
|--|--------------------------|----------|-------|------|--------|---|----|
| Median Diameter | (D ₅₀) | = | 1.7 | mm | SILT | = | 4 |
| Uniformity Coefficient | $(U = D_{60}/D_{10})$ | # | 4.8 | | SAND | = | 56 |
| (Ref. : Clause 6.59(4) of Engineering Works | General Specific (1992)) | ation | for C | ivil | GRAVEL | = | 42 |

Note : *Information provided by client Remarks:

TESTED BY : K.K. LAU

POST

CHECKED BY :

W.K. Chan

: Reporting Officer

POST DATE

: 14/09/2007

CERTIFIED BY :

CHEUNG WING TAI

POST

: Dept. Manager

: Lab. Technician : 11/09/2007 DATE Form No.: SOI-P19/R Issue 1 Rev.0 (20-2-2002) Page 38 of 40

DATE

: 14/09/2007



GEOTECHNICS & CONCRETE ENGINEERING (H.K.) LTD. 6 KO SHAN RD., GROUND FL., HUNG HOM, KOWLOON, HONG KONG. TEL.: 852-2365 9123 FAX NO.: 852-2765 8034



REPORT ON DETERMINATION OF PARTICLE SIZE DISTRIBUTION OF SOIL

IN ACCORDANCE WITH GEOSPEC 3 : 2001 TEST(S) 8.1

Page 1 of 1

REPORT NO.

: PSD07090043

DATE RECEIVED: 07/09/2007

DATE STARTED : 08/09/2007 DATE COMPLETED: 11/09/2007

SAMPLE TYPE* : BULK

SAMPLE DEPTH* : --SPEC. DEPTH* : --

SITE*

JOB NO.

HOLE NO.*

DESCRIPTION

CLIENT* : ALS Technichem (HK) Pty Ltd

TEST LOCATION : GROUND FLOOR, 20 PAK KUNG STREET, HUNG HOM, KOWLOON

W.O. NO.*

: --

: GCE/PS/070597 : HK0712696- 6

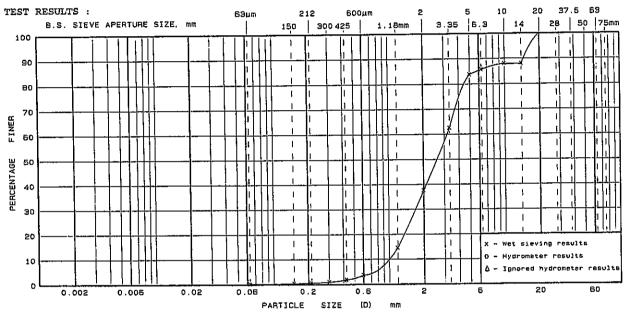
CONTRACT NO.* : --TEST UNIT NO. : STP 070433

SAMPLE NO.* : WE 6

: Wet reddish brown sandy GRAVEL

SAMPLE PREPARATION:

Procedure for sieving test : Method A



| | Fine | Medium | Coarse | Fine | Medium | Coarse | Fine | Medium | Coerse | COB- |
|------|------|--------|-----------|------|--------|--------|------|--------|--------|------|
| CLAY | FIRE | SILT | - COB1 SE | | SAND | | | GRAVEL | | BLES |

The following information are only based on the opinion of the laboratory and are not under the scope of accreditation by HOKLAS :

ANALYSIS OF PARTICLE SIZE CURVE

Effective Diameter 1.0 (D₁₀) mm (D₅₀) Median Diameter 2.7 mm Uniformity Coefficient $(U = D_{60}/D_{10})$ 3.2 (Ref. : Clause 6.59(4) of General Specification for Civil Engineering Works (1992)) FINAL SUMMARY

CIAY SILT SAND 38 GRAVEL

Note : *Information provided by client Remarks:

: Lab. Technician

TESTED BY : K.K. LAU

CHECKED BY :

POST

W.K. Chan

: Reporting Officer

CERTIFIED BY :

POST DATE

CHEUNG WING TAI : Dept. Manager

: 14/09/2007

DATE : 11/09/2007 DATE

: 14/09/2007 Form No.: SOI-P19/R Issue 1 Rev.0 (20-2-2002) Page 38 of 40