

**The Government of
The Hong Kong Special Administrative Region**

Environmental Protection Department

Contract No. EP/SP/19/94

Outlying Islands Transfer Facilities Contract

Sok Kwu Wan Transfer Facility

Annual Environmental Audit Report (Operation)

April 2006 – March 2007

Checked by



25.10.2021

Patrick YEUNG / Senior Environmental Protection Inspector
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Audited by



19.11.2021

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Table of Contents

1. INTRODUCTION	1
2. DESCRIPTION OF ENVIRONMENTAL MONITORING TESTS	1
3. RESULTS	5
4. STATUS OF ENVIRONMENTAL COMPLAINT HANDLING	7
5. CONCLUSION	7

APPENDIX

Appendix A1 Odour patrol points of Sok Kwu Wan Transfer Facility

Appendix A2 Odour patrol record

Appendix B1 Location of noise sensitive receiver (NSR)

Appendix B2 Noise monitoring record (NSR)

Appendix C1 Locations of marine water monitoring stations

Appendix C2 Marine water monitoring record

1. INTRODUCTION

Under the requirements of Section 4 of Environmental Permit No EP-014/1998, the measures were undertaken to assure the Sok Kwu Wan Transfer Facility was operated in accordance with the permit.

This report documents the findings of environmental monitoring and audit works for the facility from April 2006 to March 2007.

Environmental monitoring for the odour, noise and water quality was performed in accordance with the EM&A Manual and the monitoring results were checked and reviewed. Full details of the above environmental monitoring tests are described in the **Section 2**. In addition, the environmental complaint handling procedures were also checked and reported in **Section 4** of this report.

2. DESCRIPTION OF ENVIRONMENTAL MONITORING TESTS

Table 1: Summary of Environmental Monitoring Parameters

<u>Test</u>	<u>Location</u>	<u>Frequency</u>	<u>Parameter</u>	<u>Limits</u>
Odour	Site Boundary See Map (Appendix A1)	Weekly	Odour	Odour strength not exceed "Slight" odour intensity
Noise	Nearest Sensitive Receiver See Map (Appendix B1)	Quarterly	L _{Aeq} (30min)	55 dBA (07:00-23:00) 45 dBA (23:00-07:00)
Marine Water	Four monitoring locations and two control sites. See Map (Appendix C1)	Weekly	Dissolved Oxygen (DO)	<u>Surface & Middle</u> 4 mg/L except 5 mg/L for FCZ or 1%-ile of baseline data for surface and middle layer <u>Bottom</u> 2 mg/L and or 1%-ile of baseline data for bottom layer
			Water Turbidity (Turbidity)	99%-ile of baseline or 130% of upstream control station's Turbidity at the same tide of the same day
			Suspended Solids (SS)	99%-ile of baseline or 130% of upstream control station's SS of the same tide of the same day

2.1 Odour

2.1.1 Monitoring Location

The monitoring takes place at the boundary of the facility. The patrol route is shown in **Appendix A1**.

2.1.2 Monitoring Frequency

The odour monitoring is conducted once or twice per week.

2.1.3 Monitoring Methodology

The odour patrol is conducted by a sensory team, which includes a representative (1) from Independent Third-party Accredited Laboratory, one (1) from the Contractor and one (1) from the EPD. The test consists of three (3) person patrolling the site boundary and recording the location and strength of odour identifiable as arising from the facility. The odour intensity is categorized into five (5) classes:

Table 2: Odour Intensity Classification

Class	Remarks
None	No odour perceived or an odour so weak that it cannot be readily characterized or described
Slight	Identifiable odour, slight
Moderate	Identifiable odour, moderate
Strong	Identifiable odour, strong
Extreme	Severe odour

The odour patrol record is set out in **Appendix A2**.

2.2 Noise

2.2.1 Monitoring Location

Noise monitoring is carried out at the nearest Noise Sensitive Receiver (NSR) in accordance with the EM&A Manual. **Appendix B1** shows the location of this monitoring position.

2.2.2 Monitoring Frequency

The noise monitoring is conducted once (1) per quarter.

2.2.3 Monitoring Methodology

The noise monitoring during the Operations phase for the SKWTF was performed in accordance with the “Technical Memorandum for the Assessment of Noise from places other than Domestic, Public or Construction Sites”. The monitoring requirements are summarized as follow:

- The Sound Level Meters in compliance with the IEC61672: 2002 Class 1 and 2 for carrying out the noise monitoring.
- The Sound Level Meter will be set on a tripod at a height of 1.2 m above the ground, subject to local monitoring condition.
- The battery condition will be checked to ensure the correct functioning of the meter.
- Noise monitoring $Leq_{(30\text{ min})}$ to be taken on a monthly basis for daytime measurements.
- Prior to and after each noise measurement, the meter will be calibrated using a Calibrator for 94.0 dB at 1000 Hz. The measurement may be accepted as valid only if the calibration level agrees to within 1.0 dB.
- The wind speed will be frequently checked with the portable wind meter.
- Site conditions and interference noise sources will be recorded.
- Noise monitoring will be cancelled in the presence of fog, rain, and wind with a steady speed exceeding 5 m/s, or wind with gusts exceeding 10 m/s.

The Noise monitoring record is set out in **Appendix B2**.

2.3 Water quality

2.3.1 Monitoring Location

The number of marine water monitoring stations for Sok Kwu Wan Transfer Facility is shown in **Table 3** and **Appendix C1** shows the locations of the marine water quality monitoring stations.

Table 3: Locations of the marine water quality monitoring stations

Facility	Station ID	No. of Stations
Sok Kwu Wan	Control Stations: SC1 & SC2 Impact Stations: S1, S2, S3 & S4	6

2.3.2 Monitoring Methodology

The marine water quality monitoring during the Operations phase for the SKWTF was performed in accordance with the EM&A Manual. The following set out the methods of measurement to be used during the environmental monitoring.

Dissolved Oxygen and Turbidity

The in-situ measurements of dissolved oxygen and turbidity are carried out using an In-situ Aqua Troll 600 Multi-parameter Sonde.

Where the depth of water is less than 3m, duplicate measurements of D.O. are to be taken at one depth to obtain an average reading.

With depths between 3m and 6m, measurements will be taken at 1m below the surface and 1m above the sea bed. In each depth, duplicate readings will be taken and an average value will be calculated.

With a water depth greater than 6m, measurements will be taken at 1m below surface, the mid-depth and 1m above the sea bed. In each depth, duplicate readings will be taken and an average value will be calculated.

Suspended solids

The suspended solids monitoring is carried out in according to the in-house method (E-T-053) with reference to the standard method APHA 17ed 2540 D. The testing method is summarized as below:

A well-mixed sea water sample is filtered through a weighed standard glass-fiber filter and wash thoroughly with water to remove dissolved solids on the filter. The non-filterable residue retained on the filter is dried at 103 to 105°C. The increase in weight of the filter represents the suspended solids content.

3 **RESULTS**

3.1 **Odour**

3.1.1 Summary of Number of Monitoring Events and Exceedances for Odour monitoring

Table 4: Summary of Number of Monitoring Events and Exceedances for Odour monitoring

Monitoring Parameter	Location	No. of monitoring events	No. of Exceedance
		April 2006 – March 2007	
Odour	Point 1	64	0
	Point 2	64	0
	Point 3	64	0
	Point 4	64	0
	Point 5	64	0
	Point 6	64	0
Total		384	0

3.1.2 Conclusion

No odour could be detected during the odour patrols. The results show compliance with the odour objectives.

Please refer to the **Appendix A2** for the odour monitoring record.

3.2 **Noise**

3.2.1 Summary of Number of Monitoring Events and Exceedances for Noise monitoring

Table 5: Summary of Number of Monitoring Events and Exceedances for Noise monitoring

Monitoring Parameter	Location	No. of monitoring events	No. of Exceedance
		April 2006 – March 2007	
Noise	NSR	6	2
Total		6	2

3.2.2 Conclusion

During the reporting period, some of noise monitoring results have exceeded the compliance objectives. According to the notes recorded by the field operator of the Independent Third-party Accredited Laboratory, the major noise sources during monitoring do not come from Transfer Facility.

In addition, EPD site staff conducted random checking of on-site CCTV record and confirmed no operational activities were being carried out at the facility during night time. Hence, it is reasonable to believe that the night-time noise level at SKWTF is insignificant.

The noise level monitoring record taken at the NSR of SKWTF is set out in **Appendix B2**.

3.3 Water Quality

3.3.1 Summary of Number of Monitoring Events and Exceedances for Water quality monitoring

A total of 884 sets of water samples were collected in 52 sampling days during the report period. A summary of exceedance of dissolved oxygen, turbidity and suspended solids at SKWTF is shown in the following **Table 6**.

Table 6: Summary of exceedance of Marine Water Quality at SKWTF

Sampling Point	Type of Exceedance		
	DO	Turbidity	SS
S1	13	2	11
S2	12	2	3
S3	6	6	9
S4	5	1	9
Total	36	11	32

The laboratory analysis shows that there are 79 samples exceed the limit level of

Dissolved Oxygen (36 exceedances), Turbidity (11 exceedances) and Suspended Solids (32 exceedances).

3.3.2 Conclusion

Since there is no wastewater discharge from the SKWTF and no construction activities during the report period, the exceedance of compliance objectives for dissolved oxygen, turbidity and suspended solids were not caused by the operation activities at SKWTF.

The water quality monitoring record is set out in **Appendix C2**

4 **STATUS OF ENVIRONMENTAL COMPLAINT HANDLING**

No verbal or written complaints were received during the reporting period.

5 **CONCLUSION**

Based on the monitoring results during the audit period as well as a review of our observations the following can be concluded.

The environmental protection systems that are currently in use, when combined with the existing level of environmental awareness at the facility, are sufficient to meet current regulatory constraints relating to the environment.

The methods and frequency of environmental monitoring produce a data base that is adequate to assist station management in making accurate and timely decisions relating to the modification of environmental systems or operational practices if needed.

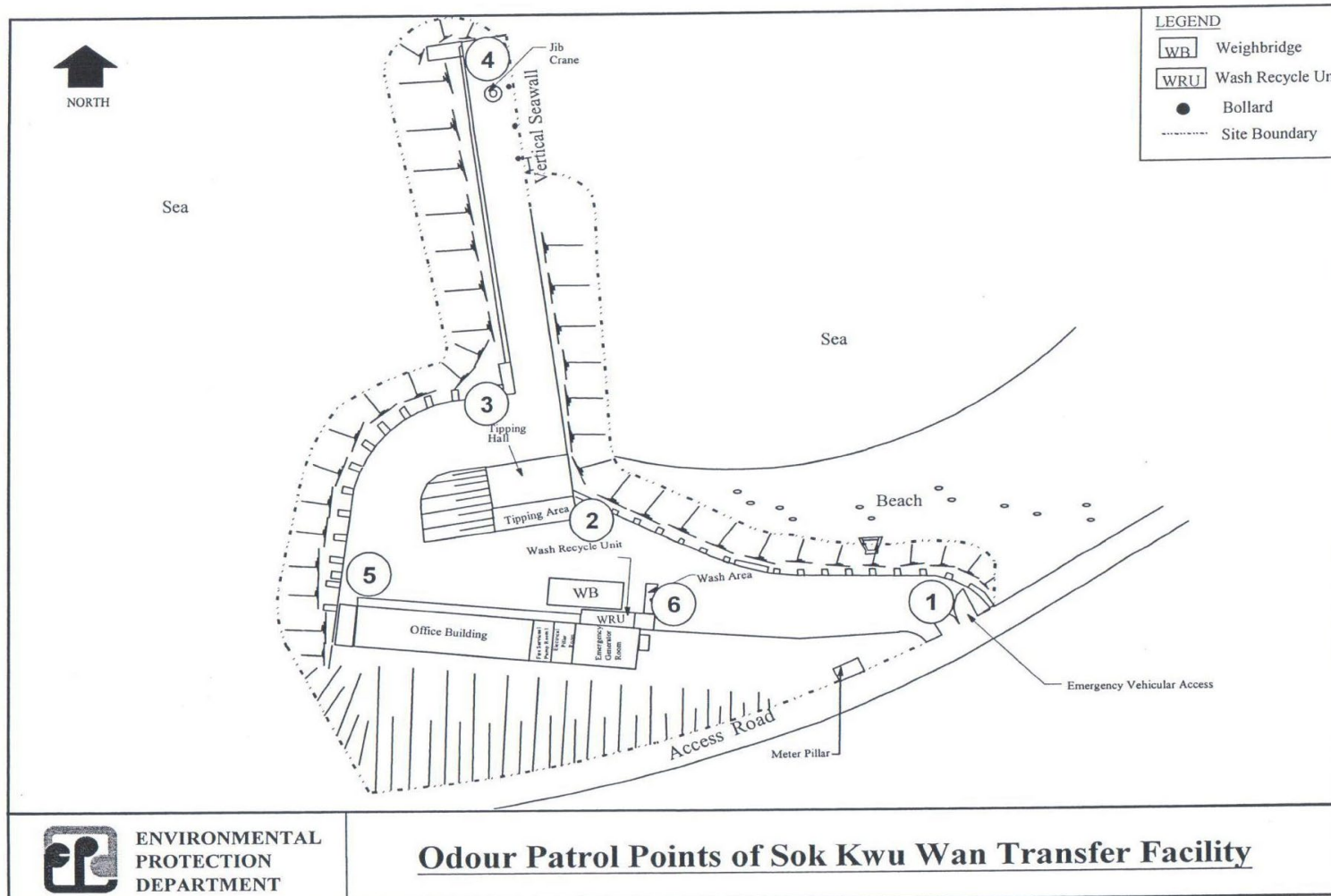
The current environmental management systems and performance provide a good foundation to develop a positive relationship with the community.

Appendix A

Appendix A1

Odour Patrol Points of Sok Kwu Wan Transfer Facility

Appendix A1



Appendix A2

Odour Patrol Record

Appendix A2



Location	Date	Classification	Location	Date	Classification
Peng Chau	Apr 6, 2006	None	Hei Ling Chau	Apr 6, 2006	None
	Apr 12, 2006	None		Apr 12, 2006	None
	Apr 18, 2006	None		Apr 18, 2006	None
	Apr 24, 2006	None		Apr 24, 2006	None
	Apr 28, 2006	None		Apr 28, 2006	None

Location	Date	Classification	Location	Date	Classification
Yung Shue Wan	Apr 6, 2006	None	Sok Kwu Wan	Apr 6, 2006	None
	Apr 12, 2006	None		Apr 12, 2006	None
	Apr 18, 2006	None		Apr 18, 2006	None
	Apr 24, 2006	None		Apr 24, 2006	None
	Apr 28, 2006	None		Apr 28, 2006	None

Location	Date	Classification
Ma Wan	Apr 6, 2006	None
	Apr 12, 2006	None
	Apr 18, 2006	None
	Apr 24, 2006	None
	Apr 28, 2006	None

4 GENERAL

- Equipment, including Terbergs, JCB, and compactors, functioned properly enabling Swire SITA to provide uninterrupted waste service to station users throughout the month of April 2006.
- Mosquito elimination treatment has been carried out at all facilities.
- Tool Box Talks on prevention of Atypical Pneumonia were given to all staff.
- Additional cleaning materials and equipment were obtained. Housekeeping measures were increased.



Location	Date	Classification	Location	Date	Classification
Peng Chau	May 3, 2006	None	Hei Ling Chau	May 3, 2006	None
	May 9, 2006	None		May 9, 2006	None
	May 15, 2006	None		May 15, 2006	None
	May 19, 2006	None		May 19, 2006	None
	May 25, 2006	None		May 25, 2006	None
	May 30, 2006	None		May 30, 2006	None

Location	Date	Classification	Location	Date	Classification
Yung Shue Wan	May 3, 2006	None	Sok Kwu Wan	May 3, 2006	None
	May 9, 2006	None		May 9, 2006	None
	May 15, 2006	None		May 15, 2006	None
	May 19, 2006	None		May 19, 2006	None
	May 25, 2006	None		May 25, 2006	None
	May 30, 2006	None		May 30, 2006	None

Location	Date	Classification
Ma Wan	May 3, 2006	None
	May 9, 2006	None
	May 15, 2006	None
	May 19, 2006	None
	May 25, 2006	None
	May 30, 2006	None



Location	Date	Classification	Location	Date	Classification
Peng Chau	Jun 5, 2006	None	Hei Ling Chau	Jun 5, 2006	None
	Jun 9, 2006	None		Jun 9, 2006	None
	Jun 15, 2006	None		Jun 15, 2006	None
	Jun 21, 2006	None		Jun 21, 2006	None
	Jun 27, 2006	None		Jun 27, 2006	None

Location	Date	Classification	Location	Date	Classification
Yung Shue Wan	Jun 5, 2006	None	Sok Kwu Wan	Jun 5, 2006	None
	Jun 9, 2006	None		Jun 9, 2006	None
	Jun 15, 2006	None		Jun 15, 2006	None
	Jun 21, 2006	None		Jun 21, 2006	None
	Jun 27, 2006	None		Jun 27, 2006	None

Location	Date	Classification
Ma Wan	Jun 5, 2006	None
	Jun 9, 2006	None
	Jun 15, 2006	None
	Jun 21, 2006	None
	Jun 27, 2006	None



Location	Date	Classification	Location	Date	Classification
Peng Chau	Jul 3, 2006	None	Hei Ling Chau	Jul 3, 2006	None
	Jul 7, 2006	None		Jul 7, 2006	None
	Jul 13, 2006	None		Jul 13, 2006	None
	Jul 19, 2006	None		Jul 19, 2006	None
	Jul 25, 2006	None		Jul 25, 2006	None
	Jul 31, 2006	None		Jul 31, 2006	None

Location	Date	Classification	Location	Date	Classification
Yung Shue Wan	Jul 3, 2006	None	Sok Kwu Wan	Jul 3, 2006	None
	Jul 7, 2006	None		Jul 7, 2006	None
	Jul 13, 2006	None		Jul 13, 2006	None
	Jul 19, 2006	None		Jul 19, 2006	None
	Jul 25, 2006	None		Jul 25, 2006	None
	Jul 31, 2006	None		Jul 31, 2006	None

Location	Date	Classification
Ma Wan	Jul 3, 2006	None
	Jul 7, 2006	None
	Jul 13, 2006	None
	Jul 19, 2006	None
	Jul 25, 2006	None
	Jul 31, 2006	None



Location	Date	Classification	Location	Date	Classification
Peng Chau	Aug 4, 2006	None	Hei Ling Chau	Aug 4, 2006	None
	Aug 10, 2006	None		Aug 10, 2006	None
	Aug 16, 2006	None		Aug 16, 2006	None
	Aug 22, 2006	None		Aug 22, 2006	None
	Aug 28, 2006	None		Aug 28, 2006	None

Location	Date	Classification	Location	Date	Classification
Yung Shue Wan	Aug 4, 2006	None	Sok Kwu Wan	Aug 4, 2006	None
	Aug 10, 2006	None		Aug 10, 2006	None
	Aug 16, 2006	None		Aug 16, 2006	None
	Aug 22, 2006	None		Aug 22, 2006	None
	Aug 28, 2006	None		Aug 28, 2006	None

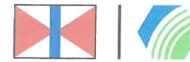
Location	Date	Classification
Ma Wan	Aug 4, 2006	None
	Aug 10, 2006	None
	Aug 16, 2006	None
	Aug 22, 2006	None
	Aug 28, 2006	None

4 GENERAL

- Equipment, including Terbergs, JCB, and compactors, functioned properly enabling Swire SITA to provide uninterrupted waste service to station users throughout the month of August 2006.
- Mosquito elimination treatment has been carried out at all facilities.
- Tool Box Talks on prevention of Atypical Pneumonia were given to all staff.
- Additional cleaning materials and equipment were obtained. Housekeeping measures were increased.

6 SAFETY

- The Superintendent carried out monthly safety inspections.
- Tool Box Talks on safety related subjects were given to all staff.
- There were no reportable accidents in August 2006.



Location	Date	Classification	Location	Date	Classification
Peng Chau	Sep 1, 2006	None	Hei Ling Chau	Sep 1, 2006	None
	Sep 7, 2006	None		Sep 7, 2006	None
	Sep 13, 2006	None		Sep 13, 2006	None
	Sep 19, 2006	None		Sep 19, 2006	None
	Sep 25, 2006	None		Sep 25, 2006	None
	Sep 29, 2006	None		Sep 29, 2006	None

Location	Date	Classification	Location	Date	Classification
Yung Shue Wan	Sep 1, 2006	None	Sok Kwu Wan	Sep 1, 2006	None
	Sep 7, 2006	None		Sep 7, 2006	None
	Sep 13, 2006	None		Sep 13, 2006	None
	Sep 19, 2006	None		Sep 19, 2006	None
	Sep 25, 2006	None		Sep 25, 2006	None
	Sep 29, 2006	None		Sep 29, 2006	None

Location	Date	Classification
Ma Wan	Sep 1, 2006	None
	Sep 7, 2006	None
	Sep 13, 2006	None
	Sep 19, 2006	None
	Sep 25, 2006	None
	Sep 29, 2006	None



Location	Date	Classification	Location	Date	Classification
Peng Chau	Oct 5, 2006	None	Hei Ling Chau	Oct 5, 2006	None
	Oct 11, 2006	None		Oct 11, 2006	None
	Oct 17, 2006	None		Oct 17, 2006	None
	Oct 23, 2006	None		Oct 23, 2006	None
	Oct 27, 2006	None		Oct 27, 2006	None

Location	Date	Classification	Location	Date	Classification
Yung Shue Wan	Oct 5, 2006	None	Sok Kwu Wan	Oct 5, 2006	None
	Oct 11, 2006	None		Oct 11, 2006	None
	Oct 17, 2006	None		Oct 17, 2006	None
	Oct 23, 2006	None		Oct 23, 2006	None
	Oct 27, 2006	None		Oct 27, 2006	None

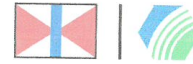
Location	Date	Classification
Ma Wan	Oct 5, 2006	None
	Oct 11, 2006	None
	Oct 17, 2006	None
	Oct 23, 2006	None
	Oct 27, 2006	None

4 GENERAL

- Equipment, including Terbergs, JCB, and compactors, functioned properly enabling Swire SITA to provide uninterrupted waste service to station users throughout the month of October 2006.
- Mosquito elimination treatment has been carried out at all facilities.
- Tool Box Talks on prevention of Atypical Pneumonia were given to all staff.
- Additional cleaning materials and equipment were obtained. Housekeeping measures were increased.

5 SAFETY

- The Superintendent carried out monthly safety inspections.
- Tool Box Talks on safety related subjects were given to all staff.
- There were no reportable accidents in October 2006.



Location	Date	Classification	Location	Date	Classification
Peng Chau	Nov 2, 2006	None	Hei Ling Chau	Nov 2, 2006	None
	Nov 9, 2006	None		Nov 9, 2006	None
	Nov 16, 2006	None		Nov 16, 2006	None
	Nov 20, 2006	None		Nov 20, 2006	None
	Nov 30, 2006	None		Nov 30, 2006	None

Location	Date	Classification	Location	Date	Classification
Yung Shue Wan	Nov 2, 2006	None	Sok Kwu Wan	Nov 2, 2006	None
	Nov 10, 2006	None		Nov 10, 2006	None
	Nov 17, 2006	None		Nov 17, 2006	None
	Nov 24, 2006	None		Nov 24, 2006	None
	Nov 30, 2006	None		Nov 30, 2006	None

Location	Date	Classification
Ma Wan	Nov 2, 2006	None
	Nov 10, 2006	None
	Nov 17, 2006	None
	Nov 24, 2006	None
	Nov 30, 2006	None

4 GENERAL

- Equipment, including Terbergs, JCB, and compactors, functioned properly enabling Swire SITA to provide uninterrupted waste service to station users throughout the month of November 2006.
- Mosquito elimination treatment has been carried out at all facilities.
- Tool Box Talks on prevention of Atypical Pneumonia were given to all staff.
- Additional cleaning materials and equipment were obtained. Housekeeping measures were increased.
- Annual Performance Test from 6 November 2006 to 25 November 2006.

5 SAFETY

- The Superintendent carried out monthly safety inspections.
- Tool Box Talks on safety related subjects were given to all staff.
- There were no reportable accidents in November 2006.



Location	Date	Classification	Location	Date	Classification
Peng Chau	Dec 6, 2006	None	Hei Ling Chau	Dec 6, 2006	None
	Dec 12, 2006	None		Dec 12, 2006	None
	Dec 18, 2006	None		Dec 18, 2006	None
	Dec 22, 2006	None		Dec 22, 2006	None
	Dec 28, 2006	None		Dec 28, 2006	None

Location	Date	Classification	Location	Date	Classification
Yung Shue Wan	Dec 6, 2006	None	Sok Kwu Wan	Dec 6, 2006	None
	Dec 12, 2006	None		Dec 12, 2006	None
	Dec 18, 2006	None		Dec 18, 2006	None
	Dec 22, 2006	None		Dec 22, 2006	None
	Dec 28, 2006	None		Dec 28, 2006	None

Location	Date	Classification
Ma Wan	Dec 6, 2006	None
	Dec 12, 2006	None
	Dec 18, 2006	None
	Dec 22, 2006	None
	Dec 28, 2006	None



Location	Date	Classification	Location	Date	Classification
Peng Chau	Jan 3, 2007	None	Hei Ling Chau	Jan 3, 2007	None
	Jan 9, 2007	None		Jan 9, 2007	None
	Jan 15, 2007	None		Jan 15, 2007	None
	Jan 19, 2007	None		Jan 19, 2007	None
	Jan 25, 2007	None		Jan 25, 2007	None
	Jan 31, 2007	None		Jan 31, 2007	None

Location	Date	Classification	Location	Date	Classification
Yung Shue Wan	Jan 3, 2007	None	Sok Kwu Wan	Jan 3, 2007	None
	Jan 9, 2007	None		Jan 9, 2007	None
	Jan 15, 2007	None		Jan 15, 2007	None
	Jan 19, 2007	None		Jan 19, 2007	None
	Jan 25, 2007	None		Jan 25, 2007	None
	Jan 31, 2007	None		Jan 31, 2007	None

Location	Date	Classification
Ma Wan	Jan 3, 2007	None
	Jan 9, 2007	None
	Jan 15, 2007	None
	Jan 19, 2007	None
	Jan 25, 2007	None
	Jan 31, 2007	None



Location	Date	Classification	Location	Date	Classification
Peng Chau	Feb 6, 2007	None	Hei Ling Chau	Feb 6, 2007	None
	Feb 12, 2007	None		Feb 12, 2007	None
	Feb 16, 2007	None		Feb 16, 2007	None
	Feb 22, 2007	None		Feb 22, 2007	None
	Feb 28, 2007	None		Feb 28, 2007	None

Location	Date	Classification	Location	Date	Classification
Yung Shue Wan	Feb 6, 2007	None	Sok Kwu Wan	Feb 6, 2007	None
	Feb 12, 2007	None		Feb 12, 2007	None
	Feb 16, 2007	None		Feb 16, 2007	None
	Feb 22, 2007	None		Feb 22, 2007	None
	Feb 28, 2007	None		Feb 28, 2007	None

Location	Date	Classification
Ma Wan	Feb 6, 2007	None
	Feb 12, 2007	None
	Feb 16, 2007	None
	Feb 22, 2007	None
	Feb 28, 2007	None

4 GENERAL

- Equipment, including Terbergs, JCB, and compactors, functioned properly enabling Swire SITA to provide uninterrupted waste service to station users throughout the month of February 2007.
- Mosquito elimination treatment has been carried out at all facilities.
- Tool Box Talks on prevention of Atypical Pneumonia were given to all staff.
- Additional cleaning materials and equipment were obtained. Housekeeping measures were increased.



Location	Date	Classification	Location	Date	Classification
Peng Chau	Mar 6, 2007	None	Hei Ling Chau	Mar 6, 2007	None
	Mar 12, 2007	None		Mar 12, 2007	None
	Mar 16, 2007	None		Mar 16, 2007	None
	Mar 22, 2007	None		Mar 22, 2007	None
	Mar 28, 2007	None		Mar 28, 2007	None

Location	Date	Classification	Location	Date	Classification
Yung Shue Wan	Mar 6, 2007	None	Sok Kwu Wan	Mar 6, 2007	None
	Mar 12, 2007	None		Mar 12, 2007	None
	Mar 16, 2007	None		Mar 16, 2007	None
	Mar 22, 2007	None		Mar 22, 2007	None
	Mar 28, 2007	None		Mar 28, 2007	None

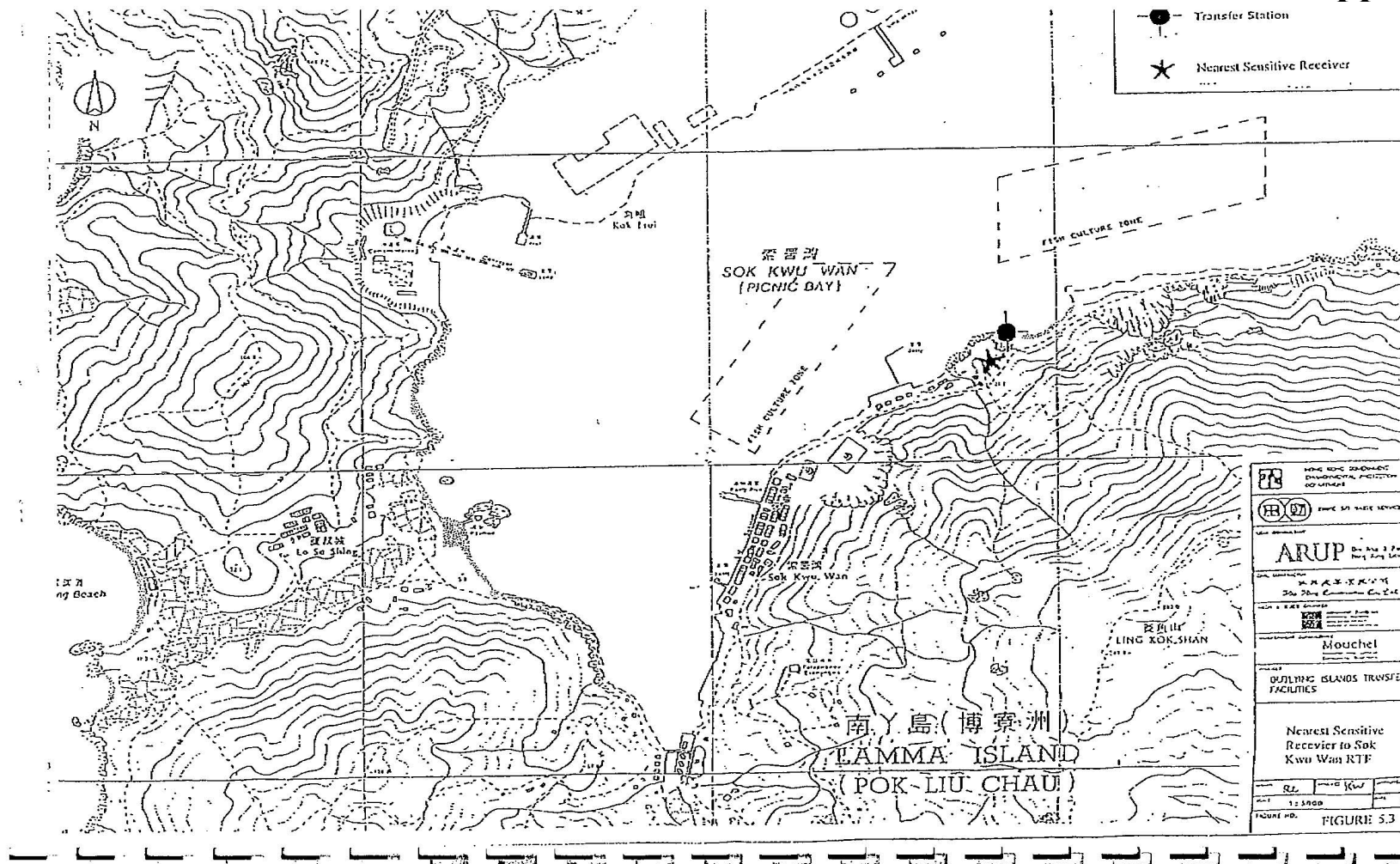
Location	Date	Classification
Ma Wan	Mar 6, 2007	None
	Mar 12, 2007	None
	Mar 16, 2007	None
	Mar 22, 2007	None
	Mar 28, 2007	None

Appendix B

Appendix B1

Location of Noise Sensitive Receiver (NSR)

Appendix B1



Appendix B2

Noise Monitoring Record (NSR)

Appendix B2 – Noise Monitoring Record (NSR)

Sok Kwu Wan Transfer Facility

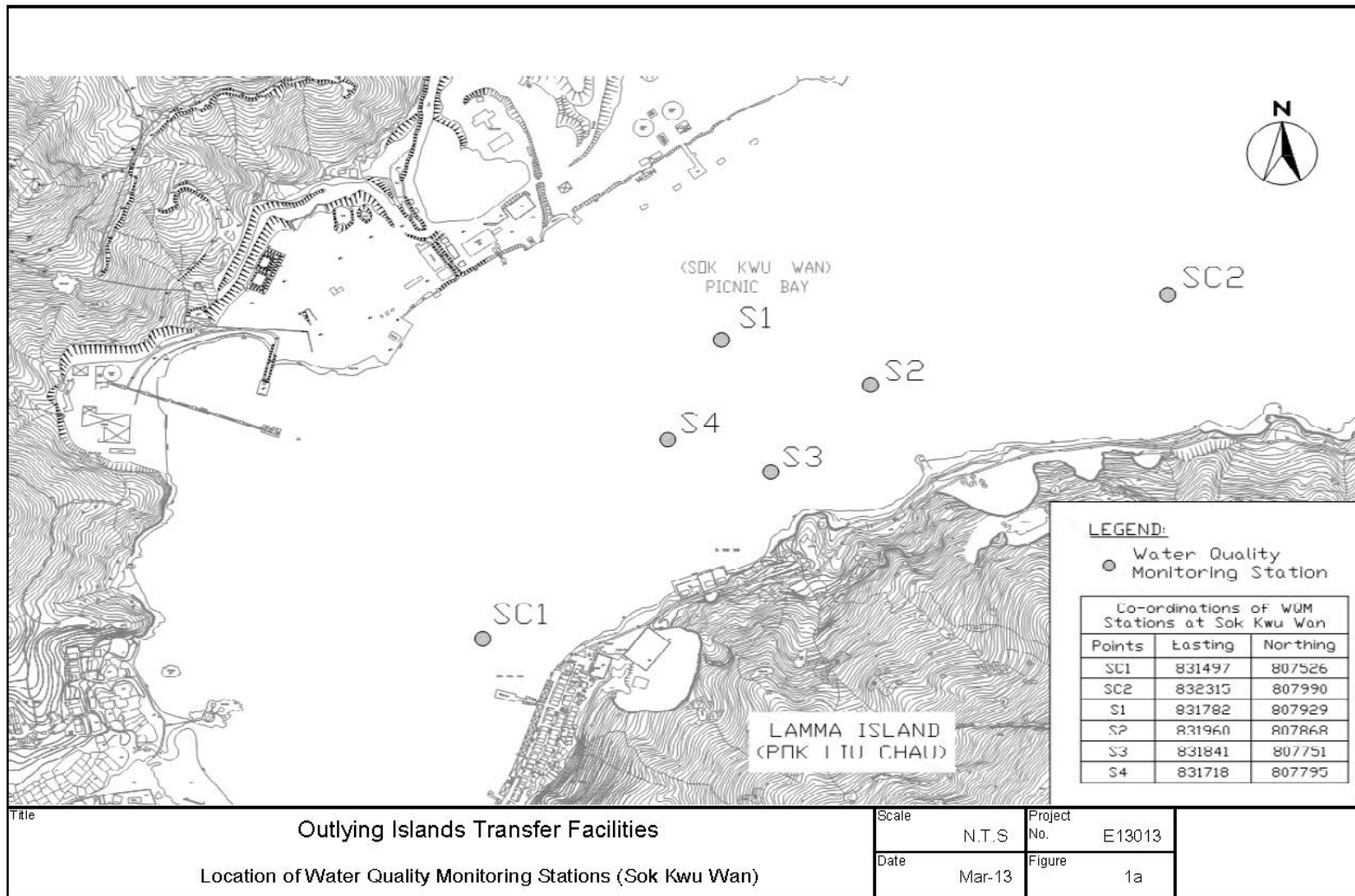
Measurement Date and Time	Noise Level Leq A (30min) / (dB(A))	Remarks
15 June 2006 (13:52 – 14:22)	53	--
15 June 2006 (23:10 – 23:40)	50	The major noise sources during monitoring do not come from Transfer Facility.
25 Sep 2006 (16:03 – 16:33)	50	--
22 Dec 2006 (15:20 – 15:50)	55.3	The major noise sources during monitoring do not come from Transfer Facility.
22 Dec 2006 (23:00 – 23:30)	44.6	--
6 Mar 2007 (15:33 – 16:03)	48	--

Appendix C

Appendix C1

Location of Marine Water Monitoring Stations

Appendix C1



Appendix C

Appendix C2

Marine Water Monitoring Record

Appendix C2

Swire SITA
 Progress Report No. 042006
 OITF/PRG/MON/EPD/042006 Issue 1



Location	Measurement Point	Dissolved Oxygen (mg/L / %)		Turbidity (NTU)	Suspended Solids (mg/L)	Temperature (°C)	
		Average	At 2m above Seabed			Air	Water
		Sok Kwu Wan Apr 6, 2006 (14:45-15:15) *mid-flood*	SC1	8.0/107.0	7.5/99.9	6.2	10.9
	SC2	8.4/112.1	8.1/108.3	7.1	10.2	24.4	22.2
	S1	8.7/116.8	8.2/108.6	4.0	6.6	24.4	22.3
	S2	8.8/118.0	8.5/113.4	3.3	7.3	24.4	22.3
	S3	8.9/118.4	8.2/108.9	6.5	10.5	24.4	22.4
	S4	8.3/111.0	8.0/106.2	8.0	12.3	24.4	22.3
Sok Kwu Wan Apr 12, 2006 (12:10-12:50) *mid-ebb*	SC1	3.9/47.3	3.8/45.6	7.7	8.7	27.8	24.4
	SC2	4.0/52.2	3.9/50.5	9.0	7.3	27.8	24.4
	S1	4.2/54.0	4.3/55.0	2.6	7.4	27.8	24.4
	S2	3.9/50.4	3.9/49.8	5.6	8.9	27.8	24.4
	S3	3.7/47.1	3.6/46.1	2.9	11.1	27.8	24.4
	S4	3.9/50.7	4.0/50.8	1.8	6.6	27.8	24.4
Sok Kwu Wan Apr 18, 2006 (11:10-11:50) *mid-ebb*	SC1	4.1/50.8	4.8/54.5	7.3	4.8	22.8	24.5
	SC2	4.1/52.4	3.7/49.6	7.9	6.8	22.8	24.5
	S1	4.5/59.9	4.5/58.6	2.8	4.9	22.8	24.5
	S2	4.6/58.7	4.5/57.8	5.9	6.4	22.8	24.5
	S3	4.5/56.9	4.1/54.5	3.2	4.1	22.8	24.5
	S4	3.8/50.4	3.5/48.7	1.6	3.8	22.8	24.5
Sok Kwu Wan Apr 24, 2006 (12:15-13:00) *mid-flood*	SC1	4.0/51.2	3.8/48.8	6.5	3.0	24.3	24.3
	SC2	3.7/47.7	3.5/45.5	7.2	2.9	24.3	24.3
	S1	5.1/66.2	5.1/65.0	1.9	4.2	24.3	24.3
	S2	4.6/58.7	4.6/58.6	5.3	3.1	24.3	24.3
	S3	4.6/58.7	4.5/58.1	2.1	3.2	24.3	24.3
	S4	4.2/54.4	4.2/54.3	2.0	4.9	24.3	24.3



Location	Measurement Point	Dissolved Oxygen (mg/L / %)		Turbidity (NTU)	Suspended Solids (mg/L)	Temperature (°C)	
		Average	At 2m above Seabed			Air	Water
Sok Kwu Wan May 3, 2006 (13:00-14:00) *mid-ebb*	SC1	5.1/64.8	5.1/64.0	5.7	3.6	22.8	25.3
	SC2	5.2/66.3	5.3/67.0	7.1	3.9	22.8	25.3
	S1	5.3/68.1	5.4/69.6	2.3	3.2	22.8	25.3
	S2	5.7/71.6	5.6/70.6	4.2	4.9	22.8	25.3
	S3	5.6/67.4	5.3/66.7	2.0	3.0	22.8	25.3
	S4	5.2/65.7	5.2/65.3	2.8	4.4	22.8	25.3
Sok Kwu Wan May 9, 2006 (14:10-15:05) *mid-flood*	SC1	6.2/94.2	5.9/89.3	1.5	7.7	28.5	25.6
	SC2	6.1/92.8	6.0/90.5	1.3	12.5	28.5	25.7
	S1	7.6/115.2	7.3/110.6	1.6	6.8	28.5	25.2
	S2	6.4/96.1	5.7/87.7	1.4	6.8	28.5	25.7
	S3	6.2/94.7	5.6/87.3	1.4	6.9	28.5	25.4
	S4	6.4/95.9	6.5/98.4	1.3	11.3	28.5	25.5
Sok Kwu Wan May 15, 2006 (12:10-12:40) *mid-ebb*	SC1	6.3/92.9	6.3/92.0	1.7	4.9	24.7	25.7
	SC2	5.2/76.2	5.1/74.6	1.7	3.2	24.7	25.5
	S1	5.4/79.1	5.4/79.1	1.9	2.5	24.7	25.6
	S2	5.0/72.9	5.1/74.7	1.9	3.5	24.7	25.7
	S3	5.2/75.6	5.2/75.8	1.8	3.4	24.7	25.8
	S4	5.1/74.0	4.8/70.5	1.9	6.2	24.7	25.7
Sok Kwu Wan May 25, 2006 (12:20-12:55) *mid-ebb*	SC1	6.7/85.3	6.7/86.2	6.0	10.1	26.7	26.1
	SC2	6.9/85.7	7.0/89.5	6.4	7.3	26.7	26.1
	S1	6.8/86.4	7.0/89.0	2.4	5.4	26.7	26.1
	S2	6.8/86.8	6.9/87.8	5.2	6.7	26.7	26.0
	S3	7.0/88.7	6.9/87.6	2.3	9.4	26.7	26.1
	S4	6.8/86.9	6.6/84.3	2.3	9.3	26.7	26.1
Sok Kwu Wan May 30, 2006 (14:35-15:20) *mid-ebb*	SC1	6.8/91.6	6.4/86.7	2.0	4.7	24.0	25.3
	SC2	6.2/83.5	6.1/82.4	4.6	4.1	24.0	25.3
	S1	5.3/72.2	5.4/72.9	3.1	4.2	24.0	25.3
	S2	5.8/77.2	5.6/75.5	3.4	4.0	24.0	25.3
	S3	6.0/81.3	6.0/81.1	4.0	3.6	24.0	25.3
	S4	6.3/85.4	7.1/95.3	2.1	3.7	24.0	25.3



Location	Measurement Point	Dissolved Oxygen		Turbidity (NTU)	Suspended Solids (mg/L)	Temperature (°C)	
		(mg/L / %)				Average	Average
		Average	At 2m above Seabed				
Sok Kwu Wan Jun 5, 2006 (14:15-15:00) *mid-ebb*	SC1	7.4/97.0	7.3/95.1	6.6	3.8	28.5	27.3
	SC2	7.4/96.3	7.5/97.7	7.0	3.2	28.5	27.3
	S1	7.4/96.3	7.4/95.8	4.3	4.6	28.5	27.3
	S2	7.3/94.3	7.1/92.6	4.0	3.3	28.5	27.3
	S3	7.4/96.3	7.4/96.1	2.7	2.9	28.5	27.3
	S4	7.6/97.9	7.6/98.4	2.6	4.2	28.5	27.3
Sok Kwu Wan Jun 15, 2006 (14:10-14:55) *mid-ebb*	SC1	7.5/94.1	7.3/91.9	3.6	4.6	28.4	26.3
	SC2	7.5/94.7	7.5/95.1	3.3	4.4	28.4	26.2
	S1	7.3/91.0	7.1/89.2	2.8	6.1	28.4	26.1
	S2	7.3/92.0	7.2/90.6	3.3	4.8	28.4	26.4
	S3	7.4/92.4	7.3/91.6	5.0	6.9	28.4	26.5
	S4	7.4/93.5	7.4/93.5	2.6	5.3	28.4	26.6
Sok Kwu Wan Jun 21, 2006 (11:25-12:00) *mid-ebb*	SC1	7.2/97.4	7.2/97.5	1.6	5.2	28.2	24.1
	SC2	7.1/95.3	7.1/95.8	1.7	5.7	28.2	24.0
	S1	7.1/95.6	7.1/95.2	2.3	4.5	28.2	24.0
	S2	7.0/94.6	7.0/94.7	1.4	6.5	28.2	24.3
	S3	7.0/93.8	7.0/93.9	2.4	5.9	28.2	24.4
	S4	7.3/98.5	7.3/97.9	1.9	5.4	28.2	24.1
Sok Kwu Wan Jun 27, 2006 (15:25-16:05) *mid-ebb*	SC1	6.5/96.1	4.5/66.3	2.3	4.1	29.7	28.0
	SC2	7.1/104.6	5.0/73.5	2.6	4.3	29.7	27.3
	S1	6.4/94.8	4.7/68.8	3.1	4.6	29.7	27.6
	S2	7.9/116.5	6.7/98.6	2.9	5.9	29.7	28.8
	S3	8.1/120.0	7.7/114.1	2.4	4.3	29.7	29.7
	S4	7.6/113.3	7.3/108.3	1.8	3.1	29.7	29.5



Location	Measurement Point	Dissolved Oxygen (mg/L / %)		Turbidity (NTU)	Suspended Solids (mg/L)	Temperature (°C)	
		Average	At 2m above Seabed	Average	Average	Air	Water
		Sok Kwu Wan Jul 3, 2006 (13:00-13:40) *mid-ebb*	SC1	7.4/97.3	7.3/96.4	4.1	4.5
	SC2	7.2/95.8	7.3/96.8	4.4	3.8	29.2	25.7
	S1	7.2/95.9	7.2/95.5	3.3	3.6	29.2	25.6
	S2	7.2/94.5	7.1/93.7	2.7	3.2	29.2	25.8
	S3	7.2/95.1	7.2/95.0	2.6	4.1	29.2	25.8
	S4	7.4/98.2	7.4/98.2	2.2	5.0	29.2	25.7
Sok Kwu Wan Jul 13, 2006 (11:10-15:00) *mid-ebb*	SC1	5.9/74.2	5.9/74.3	5.7	5.7	30.7	26.5
	SC2	6.6/84.0	6.6/84.1	7.1	3.6	30.7	26.4
	S1	8.1/101.8	7.9/99.1	2.3	4.8	30.7	26.3
	S2	7.6/96.3	7.0/88.6	4.2	3.4	30.7	26.3
	S3	7.2/89.6	6.8/85.1	2.0	4.3	30.7	26.7
	S4	6.0/75.9	5.8/73.6	2.8	4.8	30.7	26.3
Sok Kwu Wan Jul 19, 2006 (11:40-12:10) *mid-flood*	SC1	6.6/92.7	6.6/92.8	2.7	7.1	29.5	27.8
	SC2	6.8/95.6	6.6/92.9	2.7	5.0	29.5	27.9
	S1	6.6/92.9	6.6/92.8	1.9	4.4	29.5	27.9
	S2	6.6/92.6	6.6/92.4	2.5	4.9	29.5	28.0
	S3	6.6/92.3	6.6/92.3	1.9	4.7	29.5	28.1
	S4	6.6/92.4	6.6/92.3	1.5	7.3	29.5	28.1
Sok Kwu Wan Jul 25, 2006 (11:10-12:00) *mid-ebb*	SC1	7.1/102.6	7.1/102.6	1.0	9.1	30.9	27.8
	SC2	7.2/103.2	7.1/102.9	1.2	9.8	30.9	27.9
	S1	7.2/102.6	7.1/101.9	1.0	7.2	30.9	27.9
	S2	7.1/102.0	7.0/101.3	1.2	6.3	30.9	28.0
	S3	7.5/107.6	7.9/113.0	1.3	7.2	30.9	28.1
	S4	7.1/101.6	7.0/98.7	1.1	8.1	30.9	28.1
Sok Kwu Wan Jul 31, 2006 (13:00-13:40) *mid-ebb*	SC1	5.9/85.9	5.7/82.6	5.4	6.7	28.3	26.7
	SC2	5.9/85.3	5.8/83.6	5.4	9.9	28.3	26.7
	S1	5.8/83.6	5.7/82.3	2.3	9.2	28.3	26.6
	S2	6.0/86.8	5.6/80.7	3.0	6.2	28.3	26.5
	S3	7.1/101.3	6.5/93.5	1.8	5.7	28.3	27.0
	S4	5.8/84.0	5.7/82.3	2.8	6.2	28.3	26.7



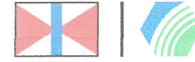
Location	Measurement Point	Dissolved Oxygen (mg/L / %)		Turbidity (NTU)	Suspended Solids (mg/L)	Temperature (°C)	
		Average	At 2m above Seabed	Average	Average	Air	Water
Sok Kwu Wan Aug 10, 2006 (16:00:16:40) *mid-ebb*	SC1	8.5/127.6	7.8/116.4	5.0	21.4	26.7	28.4
	SC2	6.2/91.8	5.5/82.4	3.9	12.6	26.7	28.6
	S1	8.1/119.8	7.3/108.5	3.0	42.0	26.7	28.4
	S2	7.1/106.4	5.5/82.4	3.2	25.1	26.7	28.0
	S3	6.4/95.2	6.3/93.8	2.5	30.6	26.7	28.6
	S4	6.8/101.4	6.1/91.3	4.1	33.9	26.7	28.4
Sok Kwu Wan Aug 16, 2006 (12:45-13:15) *mid-flood*	SC1	7.2/97.4	7.2/97.5	1.6	7.7	29.1	28.7
	SC2	7.1/95.3	7.1/95.8	2.1	7.3	29.1	28.8
	S1	7.1/95.6	7.1/95.2	1.9	10.0	29.1	28.6
	S2	7.0/94.6	7.0/94.7	1.5	7.7	29.1	29.5
	S3	7.0/93.8	7.0/93.9	1.7	8.0	29.1	28.8
	S4	7.3/98.5	7.3/97.9	1.9	7.7	29.1	28.5
Sok Kwu Wan Aug 22, 2006 (14:10-14:55) *mid-ebb*	SC1	6.8/91.6	6.4/86.7	4.0	4.0	28.9	28.1
	SC2	6.2/83.5	6.1/82.4	5.0	6.0	28.9	27.3
	S1	5.3/72.2	5.4/72.9	6.3	6.0	28.9	27.3
	S2	5.8/77.2	5.6/75.5	5.8	5.3	28.9	29.2
	S3	6.0/81.3	6.0/81.1	4.9	6.5	28.9	27.7
	S4	6.3/85.4	7.1/95.3	4.6	5.7	28.9	28.1
Sok Kwu Wan Aug 28, 2006 (13:10-13:50) *mid-ebb*	SC1	8.2/104.4	7.4/94.9	1.6	5.2	28.3	28.9
	SC2	8.2/104.5	7.4/94.6	2.0	6.4	28.3	29.1
	S1	7.5/95.9	7.0/89.7	1.5	7.1	28.3	29.0
	S2	7.5/95.8	7.0/89.5	1.5	8.0	28.3	29.0
	S3	7.7/98.3	7.6/97.7	1.2	8.2	28.3	29.4
	S4	7.1/91.0	7.0/89.3	1.1	8.3	28.3	29.1



Location	Measurement Point	Dissolved Oxygen (mg/L / %)		Turbidity (NTU)	Suspended Solids (mg/L)	Temperature (°C)	
		Average	At 2m above Seabed	Average	Average	Air	Water
Sok Kwu Wan Sep 7, 2006 (14:20-15:00) *mid-ebb*	SC1	7.5/94.1	7.3/91.9	2.0	6.4	26.4	30.2
	SC2	7.5/94.7	7.5/95.1	4.6	6.2	26.4	30.2
	S1	7.3/91.0	7.1/89.2	3.1	8.3	26.4	30.2
	S2	7.3/92.0	7.2/90.6	3.4	7.0	26.4	30.2
	S3	7.4/92.4	7.3/91.6	4.0	6.8	26.4	30.2
	S4	7.4/93.5	7.4/93.5	2.1	7.3	26.4	30.2
Sok Kwu Wan Sep 13, 2006 (11:00-12:00) *mid-flood*	SC1	6.2/89.4	6.0/86.9	3.1	7.4	24.3	25.0
	SC2	6.2/90.0	6.0/87.7	2.6	6.8	24.3	25.0
	S1	6.2/91.2	6.1/89.4	3.8	8.0	24.3	25.1
	S2	6.2/90.6	6.1/89.0	3.8	5.3	24.3	25.1
	S3	6.8/98.8	6.3/91.2	2.4	6.1	24.3	25.2
	S4	6.2/90.2	6.1/88.4	3.5	11.8	24.3	25.1
Sok Kwu Wan Sep 19, 2006 (14:10-14:55) *mid-ebb*	SC1	5.9/75.0	6.0/74.8	3.6	6.9	26.2	26.3
	SC2	6.3/76.8	6.9/75.8	3.3	6.9	26.2	26.2
	S1	5.4/82.5	5.4/82.0	6.6	7.2	26.2	26.1
	S2	5.3/74.6	5.1/74.5	5.6	6.8	26.2	26.4
	S3	5.4/71.1	5.4/70.5	4.9	7.9	26.2	26.5
	S4	5.9/73.9	5.9/75.7	5.4	10.2	26.2	26.6
Sok Kwu Wan Sep 25, 2006 (16:30-17:20) *mid-ebb*	SC1	6.4/93.6	6.1/89.5	3.0	7.0	26.6	26.6
	SC2	6.4/93.4	6.2/90.9	2.8	8.7	26.6	26.7
	S1	6.4/93.2	6.2/90.9	3.0	6.0	26.6	26.3
	S2	6.6/96.8	6.5/94.6	2.8	6.0	26.6	26.5
	S3	6.7/90.1	7.1/89.3	2.0	6.0	26.6	26.5
	S4	6.4/94.6	6.2/91.6	3.3	9.0	26.6	26.6



Location	Measurement Point	Dissolved Oxygen (mg/L / %)		Turbidity (NTU)	Suspended Solids (mg/L)	Temperature (°C)	
		Average	At 2m above Seabed	Average	Average	Air	Water
Sok Kwu Wan Oct 5, 2006 (14:30:15:20) *mid-flood*	SC1	7.8/99.8	7.2/92.5	2.4	8.0	26.8	26.9
	SC2	7.8/99.9	7.1/90.8	1.8	12.0	26.8	26.2
	S1	7.4/94.2	7.2/91.4	2.1	8.0	26.8	27.0
	S2	8.0/101.3	7.5/95.9	2.6	8.0	26.8	26.3
	S3	8.4/106.7	7.7/98.5	2.1	8.5	26.8	26.5
	S4	7.6/97.5	7.3/93.2	2.6	8.0	26.8	26.7
Sok Kwu Wan Oct 11, 2006 (14:00-15:00) *mid-ebb*	SC1	8.6/109.6	8.1/102.8	2.0	8.3	26.8	27.0
	SC2	7.7/98.7	7.1/90.8	2.6	7.3	26.8	26.3
	S1	7.7/98.9	7.5/96.0	2.2	8.3	26.8	27.1
	S2	8.3/105.7	7.7/98.0	1.9	7.7	26.8	26.3
	S3	7.8/99.2	7.5/95.9	2.9	11.0	26.8	26.5
	S4	7.8/98.9	7.5/95.3	2.4	6.3	26.8	26.7
Sok Kwu Wan Oct 17, 2006 (14:40-15:25) *mid-flood*	SC1	6.3/91.8	6.0/88.4	5.9	7.4	26.4	27.1
	SC2	6.1/86.7	5.0/72.3	3.6	7.0	26.4	27.1
	S1	5.6/82.1	5.2/77.4	2.5	6.3	26.4	26.9
	S2	5.5/80.2	5.1/75.1	4.4	9.7	26.4	26.9
	S3	5.9/86.2	5.6/81.9	2.2	4.5	26.4	27.2
	S4	6.2/90.8	6.0/86.9	3.0	4.8	26.4	27.0
Sok Kwu Wan Oct 23, 2006 (14:10-14:55) *mid-ebb*	SC1	6.7/85.3	6.7/86.2	3.2	6.3	27.3	28.1
	SC2	6.9/88.7	7.0/89.5	3.9	5.7	27.3	27.3
	S1	6.8/86.4	7.0/89.0	2.3	4.7	27.3	27.3
	S2	6.8/86.8	6.9/87.8	2.9	8.0	27.3	29.2
	S3	7.0/88.9	6.9/87.6	2.6	6.5	27.3	27.7
	S4	6.8/87.2	6.6/84.3	2.4	3.7	27.3	28.1



Location	Measurement Point	Dissolved Oxygen (mg/L / %)		Turbidity (NTU)	Suspended Solids (mg/L)	Temperature (°C)	
		Average	At 2m above Seabed	Average	Average	Air	Water
Sok Kwu Wan Nov 2, 2006 (14:20-15:00) *mid-flood*	SC1	7.1/102.7	7.1/102.4	1.4	6.0	23.6	25.1
	SC2	6.6/99.1	6.9/99.3	1.4	4.7	23.6	25.5
	S1	7.0/100.8	6.4/91.9	1.4	7.3	23.6	24.9
	S2	7.3/104.4	7.0/100.3	1.4	4.3	23.6	24.8
	S3	6.8/97.1	6.6/95.7	1.4	5.0	23.6	24.9
	S4	7.2/103.7	7.3/105.6	1.4	5.7	23.6	24.8
Sok Kwu Wan Nov 8, 2006 (14:20-15:00) *mid-ebb*	SC1	6.5/93.7	5.9/85.0	2.0	8.3	23.6	26.5
	SC2	6.7/96.5	6.5/93.5	4.6	6.7	23.6	26.4
	S1	6.5/93.7	6.0/86.1	3.1	12.0	23.6	26.1
	S2	6.5/93.3	5.9/84.9	3.4	16.7	23.9	26.1
	S3	6.9/98.2	6.0/86.2	4.0	34.5	23.6	26.1
	S4	6.5/93.8	6.0/86.0	2.1	37.0	23.6	26.5
Sok Kwu Wan Nov 15, 2006 (14:40-15:25) *mid-flood*	SC1	6.2/91.4	6.2/90.8	3.1	6.0	22.0	25.2
	SC2	6.3/92.4	6.0/87.8	3.0	3.7	22.0	25.1
	S1	6.3/91.9	6.2/91.1	3.3	4.0	22.0	25.1
	S2	6.4/94.1	6.2/90.9	3.1	4.3	22.0	25.1
	S3	6.6/94.1	6.3/91.7	2.8	7.0	22.0	25.2
	S4	6.3/92.1	6.2/91.3	2.5	4.3	22.0	25.2
Sok Kwu Wan Nov 24, 2006 (14:20-15:00) *mid-ebb*	SC1	7.3/98.2	7.2/96.7	5.7	4.8	22.5	26.5
	SC2	6.8/91.9	6.8/91.7	7.1	6.1	22.5	26.4
	S1	7.5/101.2	7.7/102.6	2.3	5.3	22.5	26.3
	S2	7.6/102.4	7.7/103.0	4.2	4.9	22.5	26.3
	S3	7.4/98.9	7.4/99.0	2.0	4.6	22.5	26.7
	S4	7.3/98.2	7.2/96.7	5.7	4.8	22.5	26.5
Sok Kwu Wan Nov 30, 2006 (09:20-09:55) *mid-ebb*	SC1	7.1/94.3	7.0/93.1	5.1	3.6	20.6	22.8
	SC2	8.3/113.5	7.1/95.9	5.0	4.4	20.6	22.7
	S1	8.2/113.2	8.2/111.6	2.4	3.3	20.6	22.0
	S2	7.8/105.7	7.2/95.9	3.6	4.2	20.6	22.1
	S3	8.5/116.0	8.2/112.3	1.7	2.7	20.6	22.3
	S4	8.5/116.6	8.2/112.0	2.2	4.2	20.6	22.2



Location	Measurement Point	Dissolved Oxygen (mg/L / %)		Turbidity (NTU)	Suspended Solids (mg/L)	Temperature (°C)	
		Average	At 2m above Seabed	Average	Average	Air	Water
Sok Kwu Wan Dec 6, 2006 (13:50-14:20) *mid-ebb*	SC1	7.0/101.5	7.0/97.0	3.4	8.0	24.9	25.2
	SC2	7.0/117.4	7.1/116.9	3.8	9.3	24.9	25.1
	S1	70.1/95.3	7.0/89.4	3.4	7.0	24.9	25.1
	S2	6.9/94.0	6.9/87.6	3.6	9.3	24.9	25.0
	S3	6.8/94.5	6.9/94.3	3.0	10.5	24.9	25.5
	S4	7.0/99.8	7.0/93.2	3.6	6.7	24.9	25.2
Sok Kwu Wan Dec 12, 2006 (09:10-09:55) *mid-flood*	SC1	6.4/88.4	6.3/87.1	5.8	4.7	23.3	21.2
	SC2	6.6/88.9	6.4/86.9	3.6	5.8	23.3	21.2
	S1	6.6/89.4	6.4/87.7	2.6	10.1	23.3	21.0
	S2	6.8/93.0	6.6/90.9	4.4	7.4	23.3	21.0
	S3	6.7/90.3	6.6/88.8	2.2	5.8	23.3	21.3
	S4	6.6/89.1	6.4/87.0	2.9	4.8	23.3	21.1
Sok Kwu Wan Dec 18, 2006 (09:45-10:45) *mid-ebb*	SC1	6.9/89.1	6.8/87.6	4.6	6.3	23.9	19.6
	SC2	7.5/95.0	6.7/87.5	5.0	6.3	23.9	19.5
	S1	7.4/99.0	7.4/97.9	2.7	4.3	23.9	18.8
	S2	7.3/96.6	6.9/90.3	3.6	4.7	23.9	18.9
	S3	7.6/101.2	7.3/97.6	2.2	6.5	23.9	19.1
	S4	7.5/100.0	7.4/98.2	2.5	5.0	23.9	19.0
Sok Kwu Wan Dec 28, 2006 (14:35-15:20) *mid-flood*	SC1	5.9/74.5	5.8/73.0	6.9	8.0	20.7	19.5
	SC2	7.6/96.3	7.0/88.6	8.7	7.0	20.7	19.4
	S1	6.8/85.9	6.3/78.6	3.9	17.0	20.7	19.3
	S2	5.8/73.7	5.7/72.2	5.8	13.3	20.7	19.3
	S3	7.2/89.6	6.8/85.1	3.1	8.0	20.7	19.7
	S4	8.1/101.8	7.9/99.1	3.3	12.0	20.7	19.3



Location	Measurement Point	Dissolved Oxygen		Turbidity (NTU)	Suspended Solids (mg/L)	Temperature (°C)	
		(mg/L / %)				Air	Water
		Average	At 2m above Seabed	Average	Average		
Sok Kwu Wan Jan 3, 2007 (08:40-09:25) *mid-flood*	SC1	5.9/75.0	6.0/74.8	4.5	5.2	18.6	20.0
	SC2	6.8/76.8	6.9/75.8	5.1	4.6	18.6	20.5
	S1	5.4/82.5	5.4/82.0	3.6	3.8	18.6	19.5
	S2	5.3/74.6	5.1/74.5	4.2	3.5	18.6	21.0
	S3	5.4/71.1	5.4/70.5	3.9	4.7	18.6	19.5
	S4	5.9/73.9	5.9/75.7	3.7	2.7	18.6	19.9
Sok Kwu Wan Jan 9, 2007 (14:00-14:40) *mid-ebb*	SC1	8.7/111.5	8.7/111.8	6.9	9.7	14.3	18.4
	SC2	8.4/107.1	8.2/104.8	8.3	10.7	14.3	18.4
	S1	6.7/96.4	5.7/82.6	3.5	7.0	14.3	18.1
	S2	6.5/93.1	5.7/81.6	5.4	6.7	14.3	18.1
	S3	6.9/99.4	5.8/84.2	3.2	8.0	14.3	18.1
	S4	7.7/101.3	8.7/111.1	4.0	9.7	14.3	18.5
Sok Kwu Wan Jan 15, 2007 (12:30-13:00) *mid-flood*	SC1	8.0/98.4	8.1/99.3	3.4	4.3	18.3	16.2
	SC2	8.0/97.1	7.9/96.2	3.3	5.7	18.3	15.8
	S1	7.9/96.6	7.8/94.6	3.0	5.0	18.3	15.8
	S2	8.3/100.3	8.1/97.5	3.4	4.0	18.3	16.4
	S3	8.3/100.2	8.2/99.0	3.5	5.5	18.3	16.9
	S4	8.2/99.6	8.4/102.0	3.6	4.7	18.3	15.9
Sok Kwu Wan Jan 25, 2007 (11:45-12:15) *mid-flood*	SC1	5.7/80.6	3.5/48.8	3.7	5.5	15.2	13.7
	SC2	6.8/95.6	6.6/92.9	3.0	4.3	15.2	14.5
	S1	7.5/102.6	7.1/101.9	2.8	4.8	15.2	14.4
	S2	6.6/92.6	6.6/92.4	2.7	4.4	15.2	14.6
	S3	7.5/107.5	7.9/112.8	3.0	3.8	15.2	14.6
	S4	6.6/92.4	6.6/92.3	2.5	3.8	15.2	14.5
Sok Kwu Wan Jan 31, 2007 (11:35-14:05) *mid-flood*	SC1	7.5/101.5	7.2/97.0	3.8	6.7	16.7	16.7
	SC2	8.0/117.4	8.0/116.9	4.2	4.7	16.7	16.6
	S1	7.0/95.3	6.6/89.4	3.8	6.7	16.7	16.5
	S2	7.0/94.0	6.5/87.6	4.0	5.0	16.7	16.5
	S3	7.0/94.5	7.0/94.3	3.3	4.5	16.7	16.8
	S4	7.4/99.8	7.0/93.2	3.9	4.3	16.7	16.6



Location	Measurement Point	Dissolved Oxygen (mg/L / %)		Turbidity (NTU)	Suspended Solids (mg/L)	Temperature (°C)	
		Average	At 2m above Seabed	Average	Average	Air	Water
		Sok Kwu Wan Feb 6, 2007 (14:05-14:45) *mid-ebb*	SC1	6.5/84.0	6.5/84.2	2.4	10.3
	SC2	6.4/83.2	6.4/82.9	5.0	8.7	19.6	18.1
	S1	7.0/91.3	6.8/87.9	3.5	12.3	19.6	18.2
	S2	6.9/89.3	6.7/87.2	3.8	12.7	19.6	18.1
	S3	6.8/88.4	6.8/87.8	4.4	7.5	19.6	18.1
	S4	6.7/86.4	6.6/85.7	2.5	10.0	19.6	18.2
Sok Kwu Wan Feb 12, 2007 (10:45-11:30) *mid-flood*	SC1	6.4/84.0	6.0/79.6	4.1	5.7	19.3	17.7
	SC2	6.4/84.4	6.0/79.8	4.1	5.3	19.3	17.6
	S1	7.1/93.9	6.3/82.8	3.3	6.3	19.3	17.5
	S2	7.1/93.8	6.8/89.6	5.2	5.7	19.3	17.5
	S3	7.5/99.3	7.4/98.3	3.0	7.5	19.3	17.9
	S4	6.6/86.5	6.2/82.2	3.8	3.3	19.3	17.5
Sok Kwu Wan Feb 22, 2007 (08:55-09:40) *mid-flood*	SC1	6.8/91.3	6.4/86.4	3.7	8.7	18.5	18.0
	SC2	6.2/83.2	6.1/82.1	4.7	8.0	18.5	17.2
	S1	5.3/71.9	5.4/72.6	6.0	13.0	18.5	17.2
	S2	5.7/76.9	5.6/75.2	5.5	7.3	18.5	19.0
	S3	6.0/81.0	6.0/80.8	4.6	4.5	18.5	17.6
	S4	6.3/85.1	7.1/95.0	4.3	11.0	18.5	18.0
Sok Kwu Wan Feb 28, 2007 (10:25-11:15) *mid-flood*	SC1	6.9/86.9	6.8/85.4	3.8	5.7	19.4	17.9
	SC2	7.7/92.6	7.5/85.3	3.9	7.7	19.4	17.7
	S1	7.4/96.5	7.4/95.4	2.5	6.3	19.4	17.1
	S2	7.3/94.2	6.9/88.0	3.0	7.5	19.4	17.1
	S3	7.7/98.6	7.5/95.1	2.4	6.0	19.4	17.3
	S4	7.5/97.5	7.4/95.7	2.8	7.3	19.4	17.3



Location	Measurement Point	Dissolved Oxygen (mg/L / %)		Turbidity (NTU)	Suspended Solids (mg/L)	Temperature (°C)	
		Average	At 2m above Seabed	Average	Average	Air	Water
Sok Kwu Wan Mar 6, 2007 (14:35-15:15) *mid-flood*	SC1	7.6/102.4	7.6/102.0	6.9	7.0	15.0	18.1
	SC2	7.6/102.3	7.7/102.9	8.3	10.0	15.0	18.1
	S1	7.6/102.0	7.5/100.2	3.5	8.7	15.0	18.2
	S2	7.6/102.6	7.1/94.2	5.4	6.7	15.0	18.1
	S3	7.1/95.5	7.2/96.1	3.2	5.5	15.0	18.0
	S4	7.6/102.4	7.6/102.0	6.9	7.0	15.0	18.1
Sok Kwu Wan Mar 12, 2007 (11:45-12:15) *mid-ebb*	SC1	6.8/101.5	6.5/97.0	3.4	3.5	17.3	22.2
	SC2	8.0/117.4	8.0/116.9	3.8	3.5	17.3	22.1
	S1	6.4/95.3	6.0/89.4	3.4	4.0	17.3	22.1
	S2	6.4/94.0	5.9/87.6	3.6	3.5	17.3	22.0
	S3	6.4/94.5	6.3/94.3	3.0	4.0	17.3	22.4
	S4	6.7/99.8	6.3/93.2	3.6	5.2	17.3	22.2
Sok Kwu Wan Mar 22, 2007 (09:35-10:20) *mid-flood*	SC1	6.6/89.3	6.2/84.4	2.4	6.3	19.7	19.3
	SC2	6.0/81.2	5.9/80.1	5.0	8.7	19.7	19.3
	S1	5.1/69.9	5.2/70.6	3.5	6.3	19.7	19.3
	S2	5.6/74.9	5.4/73.2	3.8	7.3	19.7	19.2
	S3	5.8/79.0	5.8/78.8	4.4	6.0	19.7	19.2
	S4	6.1/83.1	6.9/93.0	2.5	5.3	19.7	19.3
Sok Kwu Wan Mar 28, 2007 (12:30-13:00) *mid-ebb*	SC1	8.0/98.4	8.1/99.3	3.4	4.0	22.2	16.2
	SC2	8.0/97.1	7.9/96.2	3.3	6.0	22.2	15.8
	S1	7.9/96.6	7.8/94.6	3.0	9.3	22.2	15.8
	S2	8.3/100.3	8.1/97.5	3.4	4.2	22.2	16.4
	S3	8.3/100.2	8.2/99.0	3.5	5.3	22.2	16.9
	S4	8.2/99.2	8.4/102.0	3.6	7.7	22.2	15.9