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 2005 – March 2006

Checked by 25.10.2021

Patrick YEUNG / Senior Environmental Protection Inspector
/ Environmental Protection Department

Audited by 19.11.2021

Samson LO / Assistant Environmental Protection Officer
/ Environmental Protection Department

Table of Contents

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 2005 to March 2006.

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

Test	Location	Frequency	Parameter	Limits
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	LAeq (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)	Surface & Middle 4 mg/L except 5 mg/L for FCZ or 1%-ile of baseline data for surface and middle layer Bottom 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 $Leq_{(30\ min)}$ 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 2005 – March 2006	
Odour	Point 1	65	0
	Point 2	65	0
	Point 3	65	0
	Point 4	65	0
	Point 5	65	0
	Point 6	65	0
Total		**390**	**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 2005 – March 2006	
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	22	0	7
S2	15	0	4
S3	9	2	9
S4	15	0	4
Total	61	2	24

The laboratory analysis shows that there are 87 samples exceed the limit level of

Dissolved Oxygen (61 exceedances), Turbidity (2 exceedances) and Suspended Solids (24 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.

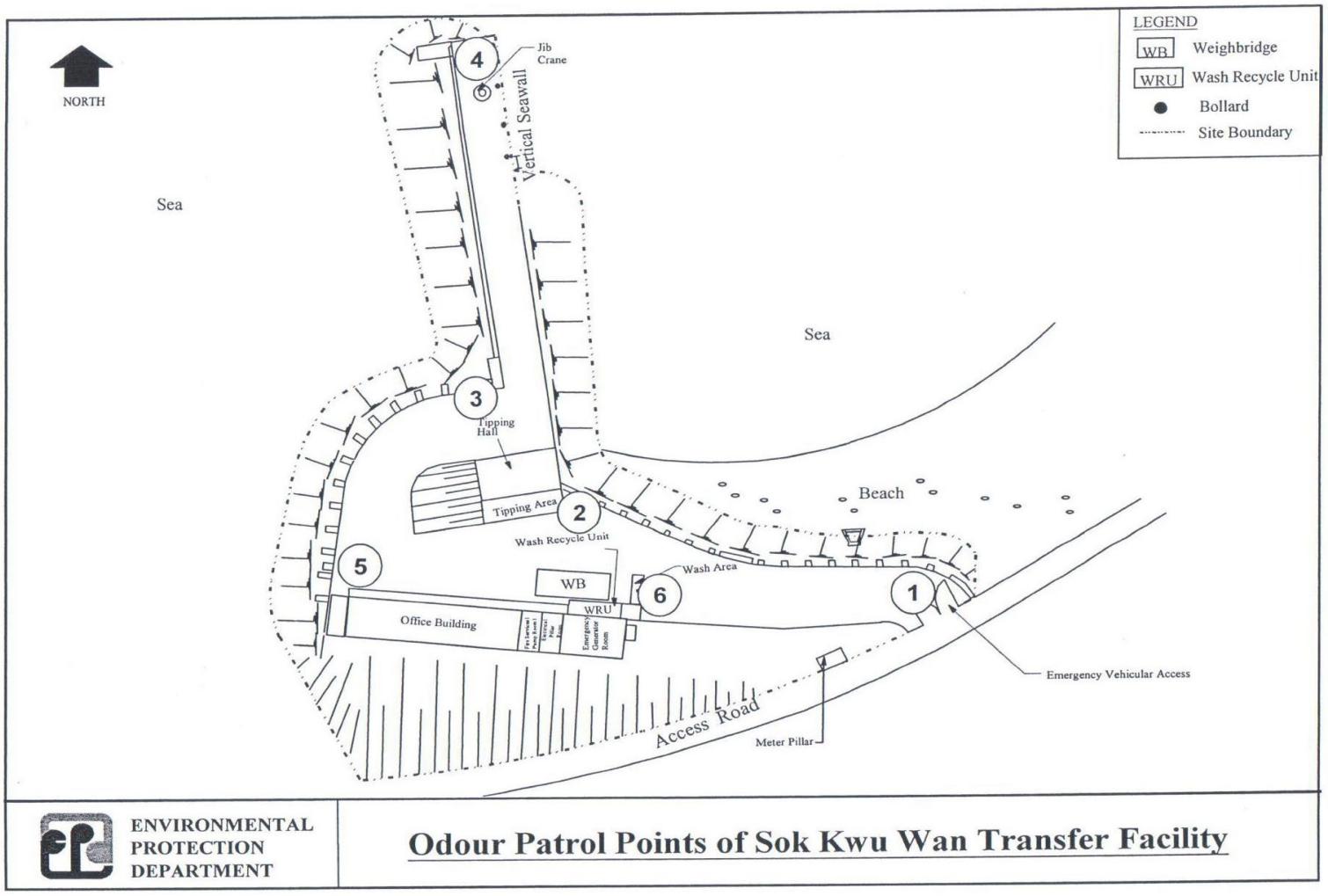
The current environmental management systems and performance provide a good foundation to develop a positive relationship with the community.

Appendix A

Appendix A1

Odour Patrol Points of Sok Kwu Wan Transfer Facility

Appendix A1


NORTH
LEGEND
WB Weighbridge
WRU Wash Recycle Unit
Bollard
Site Boundary
Sea
Jib Crane
Vertical Seawall
4
3
Tipping Hall
Tipping Area
2
Wash Recycle Unit
Sea
Beach
5
WB
Wash Area
6
1
WRU
Office Building
Emergency Vehicular Access
Access Road
Meter Pillar
ENVIRONMENTAL PROTECTION DEPARTMENT
Odour Patrol Points of Sok Kwu Wan Transfer Facility

Appendix A2

Odour Patrol Record

Appendix A2

Location	Date	Classification	Location	Date	Classification
Peng Chau	Apr 4, 2005	None	Hei Ling Chau	Apr 4, 2005	None
	Apr 8, 2005	None		Apr 8, 2005	None
	Apr 14, 2005	None		Apr 14, 2005	None
	Apr 20, 2005	None		Apr 20, 2005	None
	Apr 26, 2005	None		Apr 26, 2005	None

Location	Date	Classification	Location	Date	Classification
Yung Shue Wan	Apr 4, 2005	None	Sok Kwu Wan	Apr 4, 2005	None
	Apr 8, 2005	None		Apr 8, 2005	None
	Apr 14, 2005	None		Apr 14, 2005	None
	Apr 20, 2005	None		Apr 20, 2005	None
	Apr 26, 2005	None		Apr 26, 2005	None

Location	Date	Classification
Ma Wan	Apr 4, 2005	None
	Apr 8, 2005	None
	Apr 14, 2005	None
	Apr 20, 2005	None
	Apr 26, 2005	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 2005.
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 April 2005.

Location	Date	Classification	Location	Date	Classification
Peng Chau	May 3, 2005	None	Hei Ling Chau	May 3, 2005	None
	May 9, 2005	None		May 9, 2005	None
	May 13, 2005	None		May 13, 2005	None
	May 19, 2005	None		May 19, 2005	None
	May 25, 2005	None		May 25, 2005	None
	May 31, 2005	None		May 31, 2005	None

Location	Date	Classification	Location	Date	Classification
Yung Shue Wan	May 3, 2005	None	Sok Kwu Wan	May 3, 2005	None
	May 9, 2005	None		May 9, 2005	None
	May 13, 2005	None		May 13, 2005	None
	May 19, 2005	None		May 19, 2005	None
	May 25, 2005	None		May 25, 2005	None
	May 31, 2005	None		May 31, 2005	None

Location	Date	Classification
Ma Wan	May 3, 2005	None
	May 9, 2005	None
	May 13, 2005	None
	May 19, 2005	None
	May 25, 2005	None
	May 31, 2005	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 May 2005.
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	Jun 6, 2005	None	Hei Ling Chau	Jun 6, 2005	None
	Jun 10, 2005	None		Jun 10, 2005	None
	Jun 16, 2005	None		Jun 16, 2005	None
	Jun 22, 2005	None		Jun 22, 2005	None
	Jun 28, 2005	None		Jun 28, 2005	None

Location	Date	Classification	Location	Date	Classification
Yung Shue Wan	Jun 6, 2005	None	Sok Kwu Wan	Jun 6, 2005	None
	Jun 10, 2005	None		Jun 10, 2005	None
	Jun 16, 2005	None		Jun 16, 2005	None
	Jun 22, 2005	None		Jun 22, 2005	None
	Jun 28, 2005	None		Jun 28, 2005	None

Location	Date	Classification
Ma Wan	Jun 6, 2005	None
	Jun 10, 2005	None
	Jun 16, 2005	None
	Jun 22, 2005	None
	Jun 28, 2005	None

4 NOISE

Table 5
Noise at nearest NSR (Leq A 30 min).

Transfer Facility	Measurement Date and Time Noise Level Leq A (30 min) (dB (A)) Day Time	Night Time
Mui Wo	June 22, 2005 (14:40-15:10) 65	June 28, 2005 (23:06-23:36) 56
Cheung Chau	June 22, 2005 (16:15-16:45) 65	June 28, 2005 (23:00-23:30) 49

Location	Date	Classification	Location	Date	Classification
Peng Chau	Jul 4, 2005	None	Hei Ling Chau	Jul 4, 2005	None
	Jul 8, 2005	None		Jul 8, 2005	None
	Jul 14, 2005	None		Jul 14, 2005	None
	Jul 20, 2005	None		Jul 20, 2005	None
	Jul 26, 2005	None		Jul 26, 2005	None

Location	Date	Classification	Location	Date	Classification
Yung Shue Wan	Jul 4, 2005	None	Sok Kwu Wan	Jul 4, 2005	None
	Jul 8, 2005	None		Jul 8, 2005	None
	Jul 14, 2005	None		Jul 14, 2005	None
	Jul 20, 2005	None		Jul 20, 2005	None
	Jul 26, 2005	None		Jul 26, 2005	None

Location	Date	Classification
Ma Wan	Jul 4, 2005	None
	Jul 8, 2005	None
	Jul 14, 2005	None
	Jul 20, 2005	None
	Jul 26, 2005	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 July 2005.
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 July 2005.

Location	Date	Classification	Location	Date	Classification
Peng Chau	Aug 1, 2005	None	Hei Ling Chau	Aug 1, 2005	None
	Aug 5, 2005	None		Aug 5, 2005	None
	Aug 11, 2005	None		Aug 11, 2005	None
	Aug 17, 2005	None		Aug 17, 2005	None
	Aug 23, 2005	None		Aug 23, 2005	None
	Aug 29, 2005	None		Aug 29, 2005	None

Location	Date	Classification	Location	Date	Classification
Yung Shue Wan	Aug 1, 2005	None	Sok Kwu Wan	Aug 1, 2005	None
	Aug 5, 2005	None		Aug 5, 2005	None
	Aug 11, 2005	None		Aug 11, 2005	None
	Aug 17, 2005	None		Aug 17, 2005	None
	Aug 23, 2005	None		Aug 23, 2005	None
	Aug 29, 2005	None		Aug 29, 2005	None

Location	Date	Classification
Ma Wan	Aug 1, 2005	None
	Aug 5, 2005	None
	Aug 11, 2005	None
	Aug 17, 2005	None
	Aug 23, 2005	None
	Aug 29, 2005	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 2005.
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	Sep 2, 2005	None	Hei Ling Chau	Sep 2, 2005	None
	Sep 8, 2005	None		Sep 8, 2005	None
	Sep 14, 2005	None		Sep 14, 2005	None
	Sep 20, 2005	None		Sep 20, 2005	None
	Sep 26, 2005	None		Sep 26, 2005	None
	Sep 30, 2005	None		Sep 30, 2005	None

Location	Date	Classification	Location	Date	Classification
Yung Shue Wan	Sep 2, 2005	None	Sok Kwu Wan	Sep 2, 2005	None
	Sep 8, 2005	None		Sep 8, 2005	None
	Sep 14, 2005	None		Sep 14, 2005	None
	Sep 20, 2005	None		Sep 20, 2005	None
	Sep 26, 2005	None		Sep 26, 2005	None
	Sep 30, 2005	None		Sep 30, 2005	None

Location	Date	Classification
Ma Wan	Sep 2, 2005	None
	Sep 8, 2005	None
	Sep 14, 2005	None
	Sep 20, 2005	None
	Sep 26, 2005	None
	Sep 30, 2005	None

Location	Date	Classification	Location	Date	Classification
Peng Chau	Oct 6, 2005	None	Hei Ling Chau	Oct 6, 2005	None
	Oct 12, 2005	None		Oct 12, 2005	None
	Oct 18, 2005	None		Oct 18, 2005	None
	Oct 24, 2005	None		Oct 24, 2005	None
	Oct 28, 2005	None		Oct 28, 2005	None

Location	Date	Classification	Location	Date	Classification
Yung Shue Wan	Oct 6, 2005	None	Sok Kwu Wan	Oct 6, 2005	None
	Oct 12, 2005	None		Oct 12, 2005	None
	Oct 18, 2005	None		Oct 18, 2005	None
	Oct 24, 2005	None		Oct 24, 2005	None
	Oct 28, 2005	None		Oct 28, 2005	None

Location	Date	Classification
Ma Wan	Oct 6, 2005	None
	Oct 12, 2005	None
	Oct 18, 2005	None
	Oct 24, 2005	None
	Oct 28, 2005	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 2005.
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 2005.

Location	Date	Classification	Location	Date	Classification
Peng Chau	Nov 1, 2005	None	Hei Ling Chau	Nov 1, 2005	None
	Nov 8, 2005	None		Nov 8, 2005	None
	Nov 11, 2005	None		Nov 11, 2005	None
	Nov 17, 2005	None		Nov 17, 2005	None
	Nov 26, 2005	None		Nov 26, 2005	None

Location	Date	Classification	Location	Date	Classification
Yung Shue Wan	Nov 1, 2005	None	Sok Kwu Wan	Nov 1, 2005	None
	Nov 8, 2005	None		Nov 8, 2005	None
	Nov 14, 2005	None		Nov 14, 2005	None
	Nov 18, 2005	None		Nov 18, 2005	None
	Nov 25, 2005	None		Nov 25, 2005	None

Location	Date	Classification
Ma Wan	Nov 1, 2005	None
	Nov 8, 2005	None
	Nov 14, 2005	None
	Nov 18, 2005	None
	Nov 25, 2005	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 2005.
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 7 November 2005 to 26 November 2005.

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 2005.

Location	Date	Classification	Location	Date	Classification
Peng Chau	Dec 2, 2005	None	Hei Ling Chau	Dec 2, 2005	None
	Dec 8, 2005	None		Dec 8, 2005	None
	Dec 13, 2005	None		Dec 13, 2005	None
	Dec 19, 2005	None		Dec 19, 2005	None
	Dec 23, 2005	None		Dec 23, 2005	None
	Dec 29, 2005	None		Dec 29, 2005	None

Location	Date	Classification	Location	Date	Classification
Yung Shue Wan	Dec 2, 2005	None	Sok Kwu Wan	Dec 2, 2005	None
	Dec 8, 2005	None		Dec 8, 2005	None
	Dec 13, 2005	None		Dec 13, 2005	None
	Dec 19, 2005	None		Dec 19, 2005	None
	Dec 23, 2005	None		Dec 23, 2005	None
	Dec 29, 2005	None		Dec 29, 2005	None

Location	Date	Classification
Ma Wan	Dec 2, 2005	None
	Dec 8, 2005	None
	Dec 13, 2005	None
	Dec 19, 2005	None
	Dec 23, 2005	None
	Dec 29, 2005	None

Location	Date	Classification	Location	Date	Classification
Peng Chau	Jan 4, 2006	None	Hei Ling Chau	Jan 4, 2006	None
	Jan 10, 2006	None		Jan 10, 2006	None
	Jan 16, 2006	None		Jan 16, 2006	None
	Jan 20, 2006	None		Jan 20, 2006	None
	Jan 26, 2005	None		Jan 26, 2005	None

Location	Date	Classification	Location	Date	Classification
Yung Shue Wan	Jan 4, 2006	None	Sok Kwu Wan	Jan 4, 2006	None
	Jan 10, 2006	None		Jan 10, 2006	None
	Jan 16, 2006	None		Jan 16, 2006	None
	Jan 20, 2006	None		Jan 20, 2006	None
	Jan 26, 2005	None		Jan 26, 2005	None

Location	Date	Classification
Ma Wan	Jan 4, 2006	None
	Jan 10, 2006	None
	Jan 16, 2006	None
	Jan 20, 2006	None
	Jan 26, 2005	None

Location	Date	Classification	Location	Date	Classification
Peng Chau	Feb 2, 2006	None	Hei Ling Chau	Feb 2, 2006	None
	Feb 8, 2006	None		Feb 8, 2006	None
	Feb 14, 2006	None		Feb 14, 2006	None
	Feb 20, 2006	None		Feb 20, 2006	None
	Feb 24, 2005	None		Feb 24, 2005	None

Location	Date	Classification	Location	Date	Classification
Yung Shue Wan	Feb 2, 2006	None	Sok Kwu Wan	Feb 2, 2006	None
	Feb 8, 2006	None		Feb 8, 2006	None
	Feb 14, 2006	None		Feb 14, 2006	None
	Feb 20, 2006	None		Feb 20, 2006	None
	Feb 24, 2005	None		Feb 24, 2005	None

Location	Date	Classification
Ma Wan	Feb 2, 2006	None
	Feb 8, 2006	None
	Feb 14, 2006	None
	Feb 20, 2006	None
	Feb 24, 2005	None

Location	Date	Classification	Location	Date	Classification
Peng Chau	Mar 2, 2006	None	Hei Ling Chau	Mar 2, 2006	None
	Mar 8, 2006	None		Mar 8, 2006	None
	Mar 14, 2006	None		Mar 14, 2006	None
	Mar 20, 2006	None		Mar 20, 2006	None
	Mar 24, 2006	None		Mar 24, 2006	None
	Mar 30, 2005	None		Mar 30, 2005	None

Location	Date	Classification	Location	Date	Classification
Yung Shue Wan	Mar 2, 2006	None	Sok Kwu Wan	Mar 2, 2006	None
	Mar 8, 2006	None		Mar 8, 2006	None
	Mar 14, 2006	None		Mar 14, 2006	None
	Mar 20, 2006	None		Mar 20, 2006	None
	Mar 24, 2006	None		Mar 24, 2006	None
	Mar 30, 2005	None		Mar 30, 2005	None

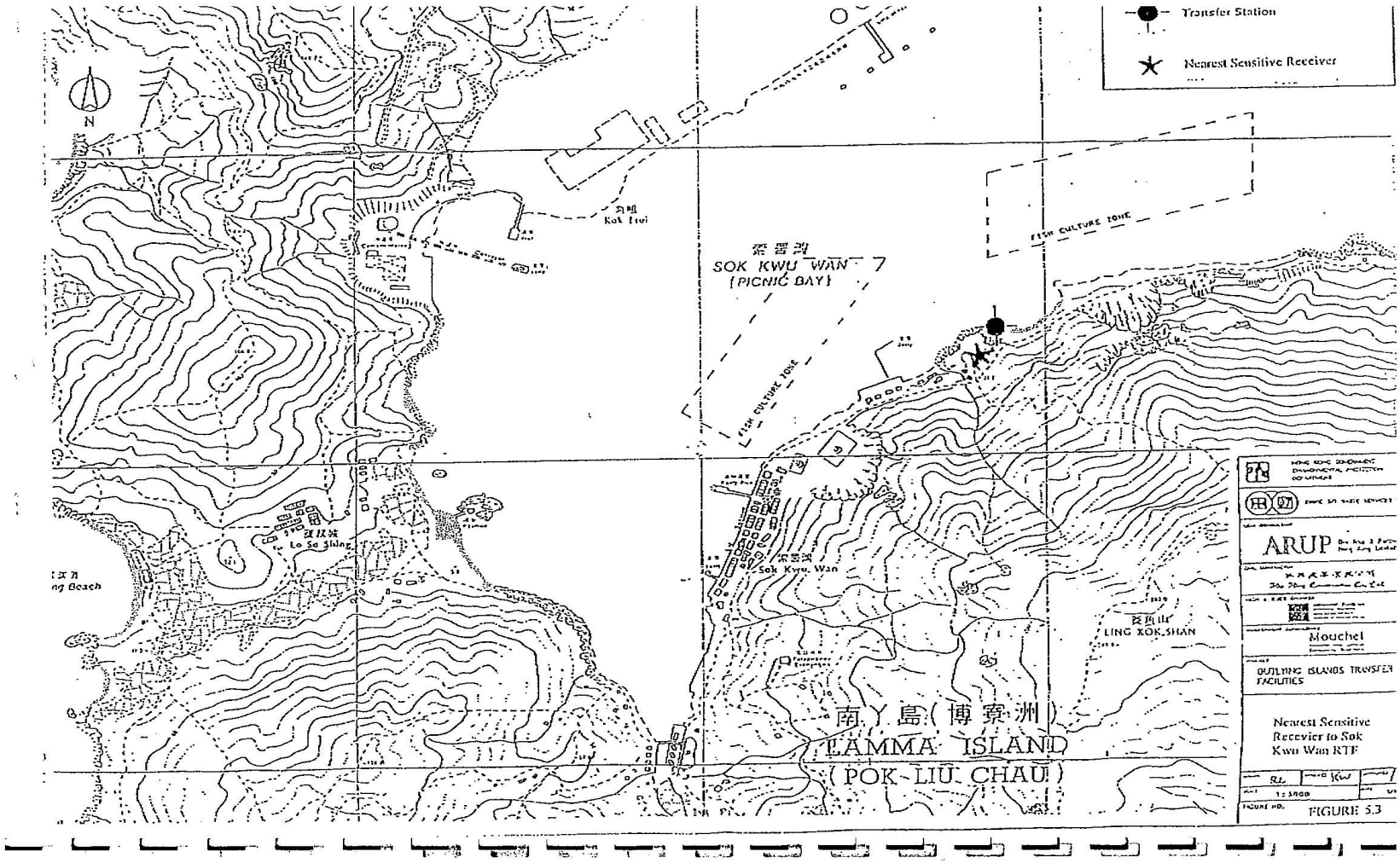
Location	Date	Classification
Ma Wan	Mar 2, 2006	None
	Mar 8, 2006	None
	Mar 14, 2006	None
	Mar 20, 2006	None
	Mar 24, 2006	None
	Mar 30, 2005	None

Appendix B

Appendix B1

Location of Noise Sensitive Receiver (NSR)

Appendix B1


Transfer Station
Nearest Sensitive Receiver
N
SOK KWU WAN
(PICNIC BAY)
FISH CULTURE ZONE
Kok Tsui
Lo So Shing
Sok Kwu Wan
LING KOK SHAN
南丫島(博寮洲)
LAMMA ISLAND
(POK LIU CHAU)
ARUP
Mouchel
OUTLYING ISLANDS TRANSFER FACILITIES
Nearest Sensitive Receiver to Sok Kwu Wan RTF
FIGURE 5.3

Appendix B2

Noise Monitoring Record (NSR)

Appendix B2 – Noise Monitoring Record (NSR)
Sok Kwu Wan Transfer Facility

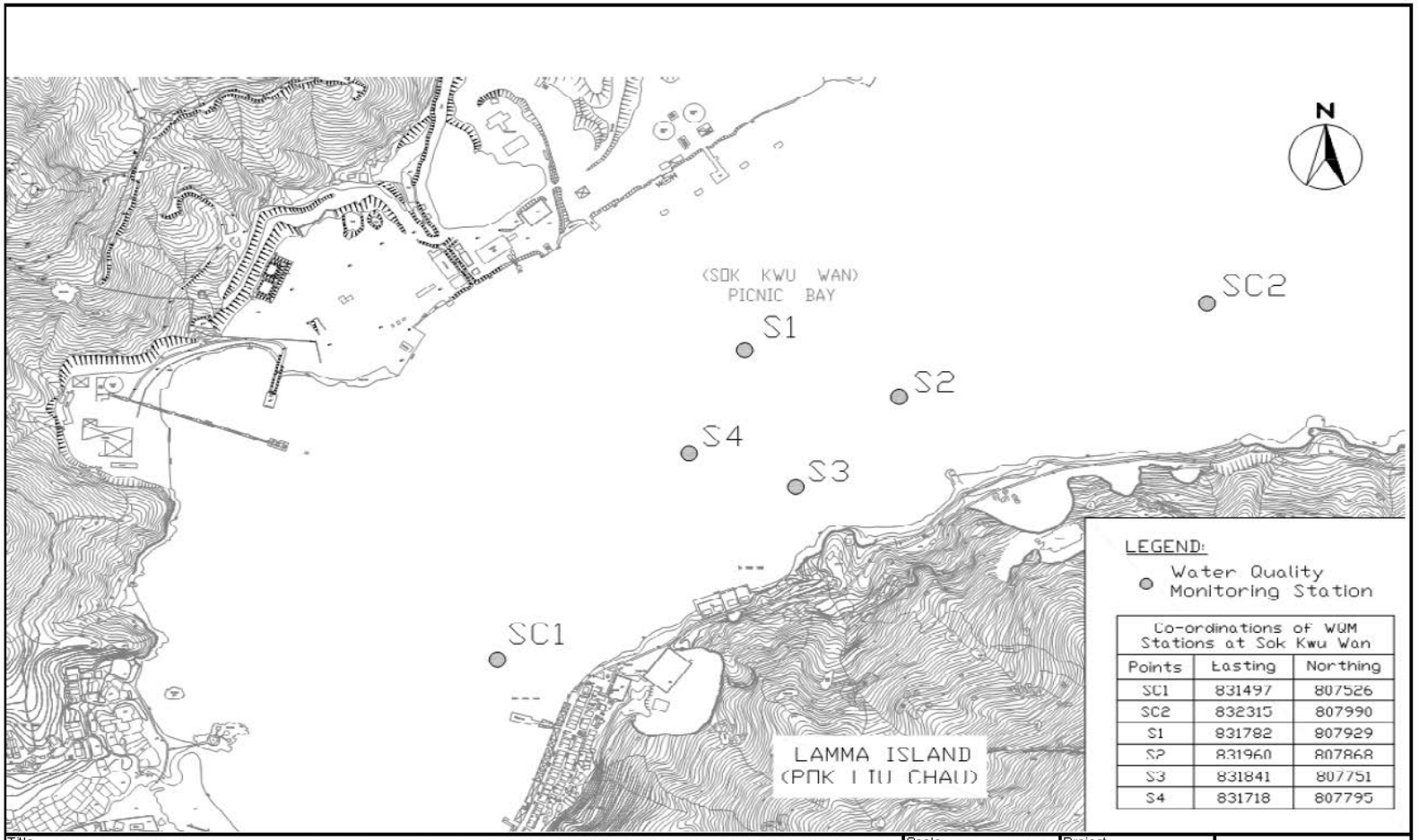
Measurement Date and Time	Noise Level Leq A (30min) / (dB(A))	Remarks
16 June 2005 (16:15 – 16:45)	53	--
22 June 2005 (23:00 – 23:30)	**46**	The major noise sources during monitoring do not come from Transfer Facility.
8 Sep 2005 (16:45 – 17:15)	49	--
23 Dec 2005 (14:10 – 14:40)	48	--
23 Dec 2005 (23:05 – 23:35)	**47**	The major noise sources during monitoring do not come from Transfer Facility.
14 Mar 2006 (15:40 – 16:10)	51	--

Appendix C

Appendix C1

Location of Marine Water Monitoring Stations

Appendix C1



Co-ordinations of WQM Stations at Sok Kwu Wan

Points	Easting	Northing
SC1	831497	807526
SC2	832315	807990
S1	831782	807929
S2	831960	807868
S3	831841	807751
S4	831718	807795

Title	Scale	Project No.
Outlying Islands Transfer Facilities	N.T.S	E13013
Location of Water Quality Monitoring Stations (Sok Kwu Wan)	Date: Mar-13	Figure: 1a

Appendix C

Appendix C2

Marine Water Monitoring Record

Appendix C2

Location	Measurement Point	Dissolved Oxygen (mg/L / %)		Turbidity (NTU)	Suspended Solids (mg/L)	Temperature (℃)	
		Average	At 2m above Seabed	Average	Average	Air	Water
Sok Kwu Wan	SC1	6.6/84.1	6.6/84.6	0.3	3.1	20.5	18.5
Apr 4, 2005	SC2	6.5/83.5	6.5/83.4	0.3	4.5	20.5	18.5
(12:30-13:15)	S1	6.5/83.2	6.4/81.9	0.4	3.9	20.5	18.4
mid-flood	S2	7.4/94.5	7.2/92.5	0.5	4.1	20.5	18.5
	S3	6.9/88.3	6.9/88.1	0.6	3.7	20.5	18.5
	S4	6.7/86.5	6.6/85.1	0.3	2.7	20.5	18.5
Sok Kwu Wan	SC1	5.2/70.5	5.3/72.0	0.1	2.9	19.8	20.7
Apr 14, 2005	SC2	6.7/91.7	6.7/91.6	0.8	3.5	19.8	20.6
(12:15-12:50)	S1	5.4/73.2	5.5/74.2	0.8	6.2	19.8	20.7
mid-ebb	S2	5.8/78.1	5.8/79.0	1.1	4.4	19.8	20.7
	S3	5.5/73.8	5.4/73.0	1.1	4.3	19.8	20.6
	S4	5.4/73.1	5.5/74.4	0.7	3.1	19.8	20.6
Sok Kwu Wan	SC1	9.4/130.0	8.5/115.3	1.9	4.8	25.4	22.0
Apr 20, 2005	SC2	10.2/140.6	9.7/133.1	1.8	3.9	25.4	21.8
(13:00-13:55)	S1	10.9/150.2	9.9/135.9	1.4	7.1	25.4	22.1
mid-flood	S2	10.3/142.3	9.8/134.2	1.8	6.3	25.4	22.0
	S3	10.5/145.5	9.4/129.7	2.6	6.5	25.4	22.1
	S4	9.7/133.6	9.3/127.5	1.7	6.9	25.4	22.1
Sok Kwu Wan	SC1	5.7/78.8	5.7/78.9	0.3	4.7	23.5	22.6
Apr 26, 2005	SC2	6.2/86.0	6.2/85.1	0.4	4.8	23.5	22.5
(12:15-12:55)	S1	5.7/78.7	5.8/79.8	1.3	7.1	23.5	22.6
mid-ebb	S2	5.6/77.9	5.6/77.7	1.0	5.0	23.5	22.7
	S3	5.6/77.4	5.5/76.2	0.6	6.5	23.5	22.8
	S4	5.6/76.8	5.6/76.8	0.5	4.3	23.5	22.8

Location	Measurement Point	Dissolved Oxygen (mg/L / %)		Turbidity (NTU)	Suspended Solids (mg/L)	Temperature (℃)	
		Average	At 2m above Seabed	Average	Average	Air	Water
Sok Kwu Wan	SC1	7.2/97.4	7.2/97.5	1.1	5.2	28.1	24.1
May 3, 2005	SC2	7.1/95.3	7.1/95.8	1.7	6.1	28.1	24.0
(12:20-12:50)	S1	7.1/95.6	7.1/95.2	1.7	3.3	28.1	24.0
mid-flood	S2	7.0/94.6	7.0/94.7	1.5	5.5	28.1	24.3
	S3	7.0/93.8	7.0/93.9	1.5	4.7	28.1	24.4
	S4	7.3/98.5	7.3/97.9	1.3	4.9	28.1	24.1
Sok Kwu Wan	SC1	6.6/98.5	6.8/99.6	1.6	6.9	24.6	22.3
May 9, 2005	SC2	6.0/88.4	6.6/87.2	1.9	6.3	24.6	23.4
(13:20-13:55)	S1	6.6/97.4	6.6/98.2	1.9	7.7	24.6	22.4
mid-ebb	S2	6.3/93.1	5.9/86.6	1.5	5.9	24.6	22.8
	S3	6.3/92.9	6.3/92.8	1.7	4.4	24.6	22.4
	S4	6.5/96.2	6.1/89.7	1.3	6.0	24.6	22.4
Sok Kwu Wan	SC1	4.5/66.9	4.6/68.4	3.7	5.6	26.3	23.1
May 19, 2005	SC2	5.1/77.1	4.7/71.3	5.4	5.1	26.3	22.6
(12:45-13:15)	S1	5.4/82.5	4.5/67.6	3.5	5.2	26.3	22.9
mid-flood	S2	5.6/85.6	5.1/78.2	2.9	6.0	26.3	23.4
	S3	5.8/88.8	5.5/83.7	2.9	4.1	26.3	22.7
	S4	5.0/75.3	4.5/67.7	3.3	4.3	26.3	23.1
Sok Kwu Wan	SC1	5.8/84.4	5.8/84.9	0.1	3.8	26.8	26.2
May 25, 2005	SC2	6.6/96.5	6.3/92.0	1.0	4.3	26.8	25.9
(15:05-15:40)	S1	6.1/89.2	6.2/90.2	0.3	3.0	26.8	26.2
mid-ebb	S2	6.2/91.0	6.3/91.0	0.2	3.7	26.8	26.3
	S3	5.6/80.8	5.6/81.4	0.6	6.0	26.8	26.3
	S4	6.2/90.8	6.1/88.3	0.7	3.5	26.8	26.3
Sok Kwu Wan	SC1	5.7/86.1	5.7/85.7	2.3	5.0	26.7	26.2
May 31, 2005	SC2	6.0/89.6	6.0/88.7	2.2	5.1	26.7	26.1
(12:50-13:55)	S1	5.9/88.3	6.0/88.6	2.2	3.4	26.7	26.1
mid-flood	S2	6.1/89.6	6.1/89.2	2.5	4.1	26.7	26.2
	S3	5.8/84.1	5.7./81.5	2.6	3.4	26.7	26.3
	S4	6.0/87.9	5.8/84.9	2.6	4.1	26.7	26.2

Location	Measurement Point	Dissolved Oxygen (mg/L / %)		Turbidity (NTU)	Suspended Solids (mg/L)	Temperature (℃)	
		Average	At 2m above Seabed	Average	Average	Air	Water
Sok Kwu Wan	SC1	5.6/83.5	5.5/82.5	2.4	3.5	25.6	24.6
Jun 6, 2005	SC2	6.0/88.2	6.0/87.7	2.4	2.5	25.6	24.4
(11:00-11:50)	S1	5.8/86.2	5.8/87.0	2.9	5.0	25.6	24.4
mid-ebb	S2	6.1/88.0	6.2/87.3	2.3	4.9	25.6	24.3
	S3	5.9/86.8	5.8/86.0	3.5	5.3	25.6	24.4
	S4	5.7/85.0	5.6/84.4	2.8	4.2	25.6	24.4
Sok Kwu Wan	SC1	7.2/97.4	7.2/97.5	0.4	4.5	26.3	26.5
Jun 16, 2005	SC2	7.1/95.3	7.1/95.8	1	4.2	26.3	26.3
(15:05-15:40)	S1	7.1/95.6	7.1/95.2	0.4	4.7	26.3	26.2
mid-ebb	S2	7.0/94.6	7.0/94.7	0.2	7.2	26.3	26.5
	S3	7.0/93.8	7.0/93.9	0.6	4.3	26.3	26.5
	S4	7.3/98.5	7.3/97.9	0.7	4.2	26.3	26.6
Sok Kwu Wan	SC1	5.6/83.8	4.6/68.4	2.6	4.4	27.4	24.1
Jun 22, 2005	SC2	6.7/93.3	7.1/95.8	1.5	3.9	27.4	24.0
(15:20-15:50)	S1	6.1/87.1	4.5/67.6	2.7	4.0	27.4	24.0
mid-ebb	S2	6.3/90.1	5.9/86.6	1.7	3.3	27.4	24.3
	S3	5.9/87.7	5.7/81.5	2.8	3.6	27.4	24.4
	S4	6.6/95.0	5.8/84.9	1.8	4.1	27.4	24.1
Sok Kwu Wan	SC1	5.5/85.8	5.5/85.1	2.7	3.1	29.4	27.5
Jun 28, 2005	SC2	5.3/82.6	5.3/82.5	2.6	2.9	29.4	26.2
(10:00-10:55)	S1	5.9/81.3	5.4/77.5	2.3	3.0	29.4	26.2
mid-flood	S2	6.3/87.0	6.1/85.5	2.5	3.1	29.4	26.2
	S3	6.3/86.1	5.7/81.8	2.6	3.2	29.4	26.4
	S4	6.4/86.4	5.8/81.6	2.4	3.1	29.4	26.4

Location	Measurement Point	Dissolved Oxygen (mg/L / %)		Turbidity (NTU)	Suspended Solids (mg/L)	Temperature (℃)	
		Average	At 2m above Seabed	Average	Average	Air	Water
Sok Kwu Wan	SC1	8.0/101.3	8.0/101.0	0.5	3.6	29.9	24.7
Jul 4, 2005	SC2	7.5/101.1	8.0/101.4	0.4	3.1	29.9	25.0
(10:00-10:35)	S1	8.0/105.5	8.0/101.7	0.3	4.0	29.9	24.7
mid-ebb	S2	8.0/101.5	8.0/101.7	0.5	3.0	29.9	24.4
	S3	6.1/102.2	5.8/102.3	0.3	2.8	29.9	26.0
	S4	6.6/102.0	6.6/102.1	0.6	3.7	29.9	24.5
Sok Kwu Wan	SC1	8.3/117.7	5.5/78.1	3.7	7.0	30.0	26.4
Jul 14, 2005	SC2	7.6/106.0	5.3/76.0	5.0	6.2	30.0	25.3
(14:40-15:25)	S1	8.0/114.8	5.2/73.0	2.0	6.0	30.0	26.5
mid-ebb	S2	7.8/111.0	5.5/77.1	1.7	5.6	30.0	26.4
	S3	8.7/124.3	8.3/119.2	2.9	7.5	30.0	27.5
	S4	7.6/107.1	5.3/70.8	1.6	6.9	30.0	26.2
Sok Kwu Wan	SC1	6.6/92.7	6.6/92.8	8.1	6.8	30.8	27.8
Jul 20, 2005	SC2	6.8/95.6	6.6/92.9	7.8	7.4	30.8	27.9
(11:40-12:15)	S1	6.6/92.9	6.6/92.8	8.1	8.2	30.8	27.9
mid-ebb	S2	6.6/92.6	6.6/92.4	8.1	8.0	30.8	28.0
	S3	6.6/92.4	6.6/92.3	8.1	7.2	30.8	28.1
	S4	6.6/92.4	6.6/92.3	8.1	7.5	30.8	28.1
Sok Kwu Wan	SC1	8.3/101.8	8.3/101.8	1.0	2.9	29.2	17.1
Jul 26, 2005	SC2	8.2/99.7	8.1/98.1	1.2	4.8	29.2	16.9
(13:00-13:30)	S1	8.2/100.6	8.2/100.3	1.0	3.4	29.2	17.0
mid-ebb	S2	8.2/100.0	8.2/100.1	1.2	3.9	29.2	17.1
	S3	8.2/99.8	8.2/99.7	1.3	4.4	29.2	17.2
	S4	8.3/101.7	8.3/101.6	1.1	3.7	29.2	17.1

Location	Measurement Point	Dissoved Oxygen (mg/L / %)		Turbidity (NTU)	Suspended Solids (mg/L)	Temperature (℃)	
		Average	At 2m above Seabed	Average	Average	Air	Water
Sok Kwu Wan	SC1	7.7/93.8	7.7/93.6	2.9	4.3	28.2	26.1
Aug 1, 2005	SC2	6.8/91.6	6.2/87.9	3.6	5.1	28.2	26.4
(15:15-15:45)	S1	7.2/91.9	6.3/90.0	3.5	5.2	28.2	25.9
mid-flood	S2	8.0/96.5	8.0/97.2	3.4	5.4	28.2	26.1
	S3	7.7/93.5	7.9/95.6	3.3	4.9	28.2	26.2
	S4	7.8/93.9	7.9/95.4	2.9	5.1	28.2	25.9
Sok Kwu Wan	SC1	7.4/106.8	5.7/83.9	4.5	4.1	28.5	27.2
Aug 11, 2005	SC2	6.3/96.9	6.1/88.1	5.2	4.3	28.5	26.5
(16:35-17:15)	S1	7.3/105.9	7.2/105.7	2.9	3.6	28.5	28.1
mid-ebb	S2	8.7/126.5	8.4/121.6	3.8	6.6	28.5	28.7
	S3	8.9/128.8	8.9/128.7	2.2	5.1	28.5	27.3
	S4	9.1/131.3	8.1/117.2	4.8	5.1	28.5	27.2
Sok Kwu Wan	SC1	7.1/102.6	7.1/102.6	3.0	6.1	25.6	27.8
Aug 17, 2005	SC2	7.2/103.2	7.1/102.9	3.0	6.4	25.6	27.9
(11:30-12:00)	S1	7.2/102.6	7.1/101.9	2.8	4.8	25.6	27.9
mid-ebb	S2	7.1/102.0	7.0/101.3	2.7	3.9	25.6	28.0
	S3	7.5/107.6	7.9/113.0	2.8	6.1	25.6	28.1
	S4	7.1/101.6	7.0/98.7	2.5	6.3	25.6	28.1
Sok Kwu Wan	SC1	4.5/66.3	4.6/67.8	4.4	4.3	28.8	23.9
Aug 23, 2005	SC2	5.1/76.5	4.7/70.7	3.8	3.3	28.8	24.4
(12:45-13:15)	S1	5.4/81.9	4.5/67.0	3.9	3.7	28.8	24.3
mid-ebb	S2	5.6/85.0	5.1/77.6	5.1	4.7	28.8	24.3
	S3	5.8/87.7	5.5/83.1	5.7	5.0	28.8	24.3
	S4	5.0/74.7	4.5/67.1	4.1	4.0	28.8	24.7
Sok Kwu Wan	SC1	5.9/82.7	5.1/71.6	3.8	4.4	28.0	25.9
Aug 29, 2005	SC2	5.7/80.3	5.1/71.8	4.1	2.9	28.0	25.6
(11:35-12:20)	S1	5.1/71.6	3.8/54.2	3.2	4.7	28.0	26.9
mid-ebb	S2	5.2/73.9	3.6/51.2	4.9	3.6	28.0	26.7
	S3	5.5/77.3	4.7/66.3	3.2	4.4	28.0	26.3
	S4	5.0/71.4	3.8/53.2	3.9	3.7	28.0	26.1

Location	Measurement Point	Dissolved Oxygen (mg/L / %)		Turbidity (NTU)	Suspended Solids (mg/L)	Temperature (℃)	
		Average	At 2m above Seabed	Average	Average	Air	Water
Sok Kwu Wan	SC1	5.4/80.7	4.7/70.1	4.6	5.3	27.9	27.1
Sep 8, 2005	SC2	3.9/57.5	3.8/55.4	5.0	5.0	27.9	26.8
(17:20-17:50)	S1	4.8/71.2	4.1/60.4	4.7	6.0	27.9	26.9
mid-ebb	S2	7.3/108.8	6.8/100.2	4.5	4.7	27.9	26.9
	S3	6.3/94.9	6.3/94.2	3.6	4.5	27.9	27.5
	S4	6.0/89.5	5.7/84.5	4.3	4.3	27.9	27.2
Sok Kwu Wan	SC1	10.1/131.2	9.6/123.7	3.7	15.7	29.3	28.1
Sep 14, 2005	SC2	9.3/120.6	8.3/105.9	5.0	9.0	29.3	28.2
(15:05-15:55)	S1	10.8/140.8	9.8/126.5	1.7	9.3	29.3	28.3
mid-flood	S2	10.2/132.9	9.7/124.8	2.0	14.3	29.3	28.3
	S3	10.6/139.2	9.3/120.3	1.7	13.5	29.3	28.4
	S4	9.6/124.2	9.2/118.1	2.4	15.3	29.3	28.3
Sok Kwu Wan	SC1	5.7/80.6	3.5/48.8	0.8	3.7	28.8	26.2
Sep 20, 2005	SC2	6.1/86.9	5.2/73.3	1.9	3.3	28.8	25.4
(12:30-13:00)	S1	5.5/78.5	3.9/55.1	1.9	4.0	28.8	25.5
mid-ebb	S2	5.0/71.9	2.7/38.0	1.7	5.3	28.8	26.4
	S3	5.9/84.1	5.1/72.4	1.9	4.0	28.8	27.3
	S4	6.5/92.6	4.5/63.6	2.9	3.5	28.8	25.6
Sok Kwu Wan	SC1	6.6/94.9	6.6/95.0	8.6	4.0	25.9	27.8
Sep 26, 2005	SC2	6.8/97.8	6.6/95.1	8.3	4.7	25.9	27.9
(12:40-13:10)	S1	6.6/95.1	6.6/95.0	8.6	4.7	25.9	27.9
mid-flood	S2	6.6/94.8	6.6/94.6	8.6	3.3	25.9	28.0
	S3	6.6/94.5	6.6/94.5	8.6	4.0	25.9	28.1
	S4	6.6/94.6	6.6/94.5	8.6	3.7	25.9	28.1

Location	Measurement Point	Dissolved Oxygen (mg/L / %)		Turbidity (NTU)	Suspended Solids (mg/L)	Temperature (℃)	
		Average	At 2m above Seabed	Average	Average	Air	Water
Sok Kwu Wan	SC1	6.0/91.7	5.0/90.2	0.7	3.7	28.1	28.6
Oct 6, 2005	SC2	5.6/86.2	5.6/86.1	1.9	5.3	28.1	28.5
(16:45-17:25)	S1	5.5/84.5	5.5/84.8	1.6	4.3	28.1	28.4
mid-flood	S2	6.3/96.6	6.2/94.8	1.3	4.0	28.1	28.6
	S3	6.0/91.5	6.1/92.9	1.0	4.0	28.1	28.6
	S4	5.7/88.6	5.5/84.0	1.2	10.7	28.1	28.6
Sok Kwu Wan	SC1	8.0/100.5	8.0/100.4	1.0	5.3	26.7	23.7
Oct 12, 2005	SC2	7.9/100.3	7.9/100.3	1.0	4.0	26.7	23.6
(10:15-10:35)	S1	8.0/101.0	8.0/100.9	1.4	6.7	26.7	23.9
mid-ebb	S2	8.0/100.8	8.0/100.8	1.1	5.0	26.7	23.5
	S3	8.0/100.8	8.0/100.7	1.1	4.0	26.7	23.7
	S4	8.0/100.6	8.0/100.6	1.0	4.3	26.7	23.4
Sok Kwu Wan	SC1	5.7/80.6	3.5/48.8	3.7	4.3	26.1	26.2
Oct 18, 2005	SC2	6.8/95.6	6.6/92.9	3.0	5.7	26.1	27.9
(11:40-12:10)	S1	7.2/102.6	7.1/101.9	2.8	4.9	26.1	27.9
mid-ebb	S2	6.6/92.6	6.6/92.4	2.7	4.3	26.1	28.0
	S3	7.6/109.3	7.9/113.0	3.0	3.3	26.1	28.1
	S4	6.6/92.4	6.6/92.3	2.5	6.8	26.1	28.1
Sok Kwu Wan	SC1	5.7/79.0	5.7/79.1	7.7	4.5	23.0	26.6
Oct 24, 2005	SC2	6.2/86.2	6.2/85.3	7.3	4.0	23.0	26.5
(11:45-12:15)	S1	5.7/78.9	5.8/80.0	7.7	3.8	23.0	26.6
mid-flood	S2	5.7/78.6	5.6/76.8	7.7	4.5	23.0	26.8
	S3	5.7/78.2	5.6/77.0	7.7	4.8	23.0	26.8
	S4	5.5/76.5	5.5/75.7	7.7	4.4	23.0	26.8

Location	Measurement Point	Dissolved Oxygen (mg/L / %)		Turbidity (NTU)	Suspended Solids (mg/L)	Temperature (℃)	
		Average	At 2m above Seabed	Average	Average	Air	Water
Sok Kwu Wan	SC1	5.7/82.8	5.6/81.6	0.3	3.2	22.9	24.9
Nov 1, 2005	SC2	6.6/97.2	6.5/94.9	2.9	2.5	22.9	25.2
(11:40-12:55)	S1	6.4/93.9	6.1/89.8	1.8	2.8	22.9	25.1
mid-ebb	S2	6.5/96.5	6.5/96.0	1.6	4.0	22.9	25.3
	S3	6.8/98.9	6.7/98.4	0.6	2.7	22.9	25.2
	S4	5.9/86.2	5.8/85.1	0.9	2.5	22.9	25.0
Sok Kwu Wan	SC1	6.7/90.9	6.7/91.1	3.0	8.1	25.6	27.8
Nov 9, 2005	SC2	6.8/90.8	6.8/90.6	3.0	8.2	25.6	27.9
(14:15-15:25)	S1	6.7/91.0	6.7/91.0	2.8	9.7	25.6	27.9
mid-flood	S2	6.7/90.9	6.7/90.8	2.6	11.7	25.6	28.0
	S3	6.8/96.8	6.7/95.9	2.8	9.4	25.6	28.1
	S4	6.6/95.1	6.6/94.4	2.5	4.5	25.6	28.1
Sok Kwu Wan	SC1	7.3/94.5	7.3/94.5	3.6	2.9	21.1	25.2
Nov 16, 2005	SC2	7.3/94.4	7.3/94.4	5.4	3.5	21.1	25.2
(12:45-13:15)	S1	7.2/93.5	7.2/93.8	3.3	3.6	21.1	25.2
mid-ebb	S2	7.2/94.1	7.3/94.3	2.9	4.4	21.1	25.2
	S3	7.3/94.5	7.3/94.5	2.9	4.3	21.1	25.2
	S4	7.3/94.4	7.3/94.4	3.3	3.0	21.1	25.2
Sok Kwu Wan	SC1	6.5/93.1	6.4/91.3	1.8	11.0	21.1	23.8
Nov 25, 2005	SC2	6.3/89.9	6.2/88.0	1.8	8.7	21.1	23.7
(15:00-16:05)	S1	6.1/86.8	5.8/83.2	2.1	15.7	21.1	23.8
mid-flood	S2	5.2/74.0	4.9/69.8	2.2	15.3	21.1	23.8
	S3	6.7/95.7	6.5/93.0	1.8	14.0	21.1	23.8
	S4	6.5/92.7	6.4/91.2	1.8	15.0	21.1	23.8

Location	Measurement Point	Dissolved Oxygen (mg/L / %)		Turbidity (NTU)	Suspended Solids (mg/L)	Temperature (℃)	
		Average	At 2m above Seabed	Average	Average	Air	Water
Sok Kwu Wan	SC1	5.6/78.8	5.5/77.8	3.4	4.4	21.8	23.4
Dec 2, 2005	SC2	5.6/79.1	5.3/75.4	4.7	3.6	21.8	23.3
(11:20-11:50)	S1	6.2/87.6	5.9/83.7	3.1	3.7	21.8	23.4
mid-ebb	S2	5.9/83.7	5.8/82.9	3.0	5.2	21.8	23.4
	S3	5.5/77.7	5.4/75.8	3.5	5.5	21.8	23.3
	S4	5.6/79.8	5.6/79.6	3.1	4.6	21.8	23.4
Sok Kwu Wan	SC1	5.3/73.4	5.4/74.0	3.6	5.4	17.5	21.6
Dec 8, 2005	SC2	6.6/90.8	6.4/88.1	4.2	4.6	17.5	21.7
(15:00-15:30)	S1	5.5/75.0	5.2/72.0	3.3	3.4	17.5	21.6
mid-flood	S2	6.2/85.0	6.1/83.5	3.5	4.9	17.5	21.6
	S3	5.9/80.0	5.8/79.2	3.6	4.3	17.5	21.7
	S4	5.5/75.2	5.4/74.7	3.2	5.6	17.5	21.6
Sok Kwu Wan	SC1	5.9/80.9	5.8/79.1	4.1	3.4	15.7	20.7
Dec 13, 2005	SC2	6.0/82.6	6.2/84.5	3.6	3.9	15.7	20.7
(15:15-15:45)	S1	7.3/99.0	7.1/96.0	3.6	3.8	15.7	20.4
mid-flood	S2	6.4/87.4	6.4/86.9	4.4	5.1	15.7	20.7
	S3	6.0/81.4	5.8/79.3	4.1	7.9	15.7	20.7
	S4	6.7/90.9	6.5/88.9	3.9	3.5	15.7	20.6
Sok Kwu Wan	SC1	5.9/83.3	5.9/82.7	1.9	9.2	14.3	22.7
Dec 19, 2005	SC2	6.4/90.3	6.3/88.1	2.7	8.0	14.3	22.7
(13:25-14:20)	S1	5.8/80.9	5.5/77.6	2.5	11.4	14.3	22.7
mid-flood	S2	6.3/88.5	6.1/86.1	2.6	10.5	14.3	22.7
	S3	5.7/79.9	5.5/77.1	2.6	10.9	14.3	22.8
	S4	6.0/84.0	5.9/82.9	2.3	8.9	14.3	22.7
Sok Kwu Wan	SC1	6.2/91.4	6.2/90.8	3.1	16.9	18.5	20.3
Dec 29, 2005	SC2	6.3/92.4	6.3/92.7	3.3	16.6	18.5	20.5
(12:45-13:35)	S1	6.3/91.9	6.2/91.1	3.6	20.5	18.5	20.4
mid-flood	S2	6.4/94.1	6.2/90.9	5.4	16.1	18.5	20.7
	S3	6.5/94.1	6.3/91.7	2.8	16.6	18.5	20.6
	S4	6.3/92.1	6.2/91.3	3.3	17.4	18.5	20.4

Location	Measurement Point	Dissolved Oxygen (mg/L / %)		Turbidity (NTU)	Suspended Solids (mg/L)	Temperature (℃)	
		Average	At 2m above Seabed	Average	Average	Air	Water
Sok Kwu Wan	SC1	8.7/113.0	8.3/107.3	11.5	10.5	18.7	18.6
Jan 4, 2006	SC2	8.4/109.5	8.3/107.9	11.1	11.6	18.7	18.6
(15:25-16:00)	S1	9.1/118.1	9.0/116.1	10.5	8.5	18.7	18.6
mid-ebb	S2	8.6/110.9	8.5/109.7	10.2	11.6	18.7	18.6
	S3	9.0/116.5	9.0/116.6	11.6	13.7	18.7	18.6
	S4	9.1/118.1	9.0/115.9	10.5	11.5	18.7	18.6
Sok Kwu Wan	SC1	5.4/67.6	5.3/66.6	1.7	3.2	15.6	16.7
Jan 10, 2006	SC2	6.2/77.6	6.0/75.9	1.2	2.9	15.6	16.7
(10:40-11:25)	S1	5.8/71.9	5.7/71.2	1.5	2.5	15.6	16.7
mid-flood	S2	5.0/63.2	5.0/62.6	1.2	2.5	15.6	16.7
	S3	5.5/68.0	5.6/69.7	1.2	2.5	15.6	16.7
	S4	7.4/92.9	7.9/99.0	1.2	2.5	15.6	16.7
Sok Kwu Wan	SC1	3.8/49.3	3.7/47.7	1.2	7.6	19.9	17.8
Jan 16, 2006	SC2	5.9/75.2	5.4/68.1	1.4	5.3	19.9	17.7
(10:20-10:50)	S1	4.6/58.2	4.5/57.5	1.4	7.5	19.9	17.7
mid-flood	S2	5.1/65.0	5.3/66.6	1.6	10.7	19.9	17.7
	S3	4.1/52.8	4.1/52.8	1.6	9.4	19.9	17.8
	S4	4.1/52.9	3.9/49.3	1.4	8.7	19.9	17.7
Sok Kwu Wan	SC1	8.1/105.1	8.2/105.7	3.0	2.6	15.3	18.3
Jan 26, 2006	SC2	7.8/100.5	7.8/100.9	2.5	9.7	15.3	18.3
(11:40-12:10)	S1	7.6/98.2	7.6/98.4	1.8	3.3	15.3	18.5
mid-flood	S2	7.9/101.3	7.6/101.3	2.1	5.8	15.3	18.3
	S3	7.7/99.0	7.7/99.1	1.1	3.3	15.3	18.3
	S4	8.3/106.6	8.3/106.7	2.2	3.5	15.3	18.3

Location	Measurement Point	Dissolved Oxygen (mg/L / %)		Turbidity (NTU)	Suspended Solids (mg/L)	Temperature (℃)	
		Average	At 2m above Seabed	Average	Average	Air	Water
Sok Kwu Wan	SC1	6.1/82.4	6.0/82.2	6.5	3.7	17.8	16.9
Feb 2, 2006	SC2	6.3/84.8	6.1/82.6	6.7	5.2	17.8	16.9
(14:25-15:25)	S1	6.0/82.0	6.0/81.9	5.2	3.5	17.8	16.9
mid-ebb	S2	6.2/83.7	6.3/85.4	5.0	4.3	17.8	16.7
	S3	6.3/85.2	6.3/85.2	6.3	3.7	17.8	16.5
	S4	6.3/85.2	6.3/85.1	6.8	4.2	17.8	16.9
Sok Kwu Wan	SC1	5.9/82.7	5.1/71.6	2.3	9.1	17.0	18.3
Feb 8, 2006	SC2	7.8/100.5	7.8/100.9	2.4	6.0	17.0	18.3
(11:15-12:00)	S1	7.6/98.2	7.6/98.4	1.7	8.6	17.0	18.5
mid-flood	S2	5.7/80.3	5.1/71.8	1.7	6.9	17.0	18.3
	S3	7.7/99.0	7.7/99.1	1.1	8.3	17.0	18.3
	S4	5.7/81.4	6.3/89.6	1.5	4.8	17.0	18.3
Sok Kwu Wan	SC1	7.8/100.5	7.8/100.9	3.2	3.2	18.6	16.7
Feb 14, 2006	SC2	7.6/98.2	7.6/98.4	2.7	3.5	18.6	16.9
(11:25-12:00)	S1	7.9/101.3	7.9/101.3	2.5	4.3	18.6	16.9
mid-ebb	S2	8.1/104.1	8.3/106.6	2.8	4.7	18.6	16.9
	S3	6.1/82.9	6.2/83.8	3.7	4.0	18.6	16.8
	S4	7.6/98.2	7.6/98.4	3.8	4.4	18.6	16.6
Sok Kwu Wan	SC1	5.9/82.7	5.1/71.6	1.3	3.1	17.0	18.3
Feb 20, 2006	SC2	7.8/100.5	7.8/100.9	2.1	2.5	17.0	18.3
(11:00-11:30)	S1	7.6/98.2	7.6/98.4	2.1	3.6	17.0	18.5
mid-flood	S2	5.7/80.3	5.1/71.8	1.8	3.3	17.0	18.3
	S3	7.7/99.0	7.7/99.1	1.5	2.6	17.0	18.3
	S4	5.7/81.4	6.3/89.6	1.1	2.7	17.0	18.3

Location	Measurement Point	Dissolved Oxygen (mg/L / %)		Turbidity (NTU)	Suspended Solids (mg/L)	Temperature (℃)	
		Average	At 2m above Seabed	Average	Average	Air	Water
Sok Kwu Wan	SC1	5.7/85.5	5.7/85.1	5.4	8.2	12.7	17.4
Mar 2, 2006	SC2	6.0/89.0	5.9/88.1	5.6	8.0	12.7	17.5
(16:20-16:50)	S1	5.9/87.7	5.9/88.0	5.8	6.8	12.7	17.5
mid-ebb	S2	6.0/89.0	6.0/88.6	5.8	8.7	12.7	17.5
	S3	5.7/83.5	5.6/80.9	5.8	9.1	12.7	17.4
	S4	5.9/87.3	5.7/84.3	5.8	7.9	12.7	17.5
Sok Kwu Wan	SC1	4.0/50.8	4.1/52.8	8.4	8.5	19.8	17.9
Mar 8, 2006	SC2	3.9/49.0	4.0/50.7	9.1	7.3	19.8	17.9
(11:55-12:25)	S1	4.3/54.9	4.4/55.3	0.4	4.8	19.8	17.8
mid-flood	S2	3.8/47.6	3.8/47.9	6.3	5.6	19.8	17.8
	S3	4.0/50.2	3.8/48.5	1.1	10.0	19.8	17.8
	S4	4.0/50.8	3.9/49.7	1.3	6.3	19.8	17.8
Sok Kwu Wan	SC1	4.1/50.5	4.8/57.5	7.3	9.5	12.5	18.5
Mar 14, 2006	SC2	4.1/50.4	3.7/47.6	8.9	8.2	12.5	18.5
(11:10-11:50)	S1	4.5/56.9	4.5/54.6	1.8	3.9	12.5	18.5
mid-ebb	S2	4.6/56.4	4.5/54.8	5.9	8.1	12.5	18.6
	S3	4.5/54.0	4.1/50.5	2.2	7.3	12.5	18.5
	S4	3.8/47.7	3.5/45.7	1.7	11.1	12.5	18.5
Sok Kwu Wan	SC1	6.0/89.0	5.9/88.1	2.8	10.9	18.3	17.9
Mar 20, 2006	SC2	5.9/87.3	5.7/84.3	1.8	12.6	18.3	17.9
(11:55-12:25)	S1	6.0/89.0	6.0/88.6	1.4	10.1	18.3	17.8
mid-ebb	S2	5.9/87.7	5.9/88.0	2.5	9.4	18.3	17.8
	S3	5.7/83.5	5.6/80.9	1.6	10.5	18.3	17.8
	S4	5.7/85.5	5.7/85.1	1.3	11.5	18.3	17.8
Sok Kwu Wan	SC1	3.8/49.1	4.0/51.9	7.5	14.1	20.5	17.6
Mar 30, 2006	SC2	4.0/50.3	4.0/50.7	8.8	12.0	20.5	18.3
(12:10-12:50)	S1	4.6/58.5	4.5/58.0	0.7	12.9	20.5	17.6
mid-ebb	S2	4.2/54.0	4.3/55.0	5.8	10.9	20.5	17.5
	S3	4.1/51.7	4.0/50.9	1.8	12.9	20.5	17.4
	S4	3.8/48.3	3.5/45.7	1.6	11.3	20.5	17.6