Chun Wo Construction & Engineering Co Ltd

**Contract No HY/2005/06 Castle Peak Road Improvement – West of Tsing Lung Tau**

# Monthly Environmental Monitoring and Audit Report for Reclamation Works (EP No EP-219/2005)
March 2007

**Second Issue**

Chun Wo Construction & Engineering Co Ltd

# Contract No HY/2005/06 Castle Peak Road Improvement – West of Tsing Lung Tau

## Monthly Environmental Monitoring and Audit Report for Reclamation Works (EP No EP-219/2005)
## March 2007

April 2007



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By Fax (2492 6201) and Post

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Attn : Mr. Michael S Harfoot

18 April 2007

Dear Sir,

**Contract No. HY/2005/06**
**Castle Peak Road Improvement – West of Tsing Lung Tau**
**Monthly EM&A Report for Reclamation Works (EP No. EP-219/2005) – March 2007**

We refer to the Monthly EM&A Report for Reclamation Works (EP No. EP-219/2005) – March 2007 received via email on 17 April 2007 from Ove Arup & Partners Hong Kong Ltd., the Environmental Team (ET) of Castle Peak Road Improvement – West of Tsing Lung Tau (Remaining Contract).

Having addressed the IEC's comment on 17 April 2007, the Monthly EM&A Report for Reclamation Works (EP No. EP-219/2005) – March 2007 is verified to be acceptable for onward submission to the Engineer, HyD, EPD and AFCD.

Should you have any inquiry or comment, please do not hesitate to contact the undersigned or our Miss Connie Wong at 3105 8630.

Yours faithfully
for and on behalf of
**Maunsell Environmental**
**Management Consultants Ltd**

Y T Tang
Independent Environmental Checker

| | | | | |
|---|---|---|---|---|
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ARUP

**Document Verification**



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# Executive Summary

This is the thirteenth monthly environmental monitoring and audit (EM&A) report presenting the progress of environmental monitoring and audit works for the reporting period between 01 and 31 March 2007. Noise monitoring at Grand Bay Villa was temporarily suspended as the premises were vacant. Marine water monitoring and weekly environmental site audit were carried out during the reporting period.

**Marine Water Quality Monitoring**

Impact marine water quality monitoring was conducted during mid-ebb and mid-flood tidal cycles at 10 designated locations including 5 impact and 5 control stations. A baseline check was conducted on 27 February 2006 prior to the commencement of marine works and a compliance checking mechanism was established in accordance with the criteria specified in Baseline Monitoring Report.

**Summary of Mid-Ebb Tide**

The lowest DO level for surface & middle position of 5.42 mg/L were recorded at WWA3 on 26 March 2007 and the lowest DO level for bottom position of 5.39 mg/L were recorded at WWA3 on 30 March 2007. There was no exceedance of DO level during reporting period when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

The highest depth-averaged Tby level of 15.3 Nephelometric Turbidity Unit (NTU) were recorded at WWA2 on 19 March 2007. There were 2 exceedances of Tby Baseline Check Criteria on 19 and 23 March 2007 and 9 exceedances of Tby Limit Level on 19, 21 and 23 March 2007 during reporting period when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

The highest SS level of 33.7 mg/L were recorded at WWA3 on 16 March 2007. There were 14 exceedances of SS Baseline Check Criteria on 02, 05, 07, 09, 12, 19 and 21 March 2007 and 3 exceedances of SS Limit Level on 16, 19 and 21 March 2007 when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

The exceedances of Tby and SS Levels were likely related to broken silt curtain, grabbing of C&D materials from Seawall B to the barge and seepage of muddy water during rainy days, except for 2 exceedances of SS on 02 and 12 March 2007.

**Summary of Mid-Flood Tide**

The lowest DO level for surface & middle position of 5.39 mg/L were recorded at WWFCZ1 on 28 March 2007 and the lowest level for bottom position of 5.39 mg/L were recorded at WWA2 on 23 March 2007. There was no exceedance of DO level during reporting period when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

The highest depth-averaged Tby level of 11.0 NTU were recorded at WWA2 on 19 March 2007. There were 1 exceedance of Tby Baseline Check Criteria on 23 March 2007, 3 exceedances of Tby Action Level on 19 and 21 March 2007 and 4 exceedances of Tby Limit Level on 19 and 21 March 2007 during reporting period when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

The highest SS level of 33.8 mg/L was recorded at WWA2 on 19 March 2007. There were 2 exceedances of SS Baseline Check Criteria on 07 and 21 March 2007 and 3 exceedances of SS Limit Level on 02, 19 and 21 March 2007 when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

The exceedances of Tby and SS Levels were likely related to broken silt curtain, grabbing of C&D materials from Seawall B to the barge and seepage of muddy water during rainy days, except for 1 exceedance of SS recorded on 02 March 2007.

**Environmental Auditing**

A total of 5 environmental site audits were conducted in March 2007. CT was recommended to improve in the following areas:

**Air Quality:** Frequent water spraying over unpaved area and during rock breaking works; covering of exposed slopes;

**Water Quality:** Repairing of broken silt curtain; grabbing of C&D materials from land to barge behind silt curtain; and

**Waste Management:** Frequent clearing of construction waste and general refuse; provision of driptrays to oil drums.

**Waste Disposal**

A total of 41.41 tonnes of Construction & Demolition (C&D) waste and 598.16 tonnes of C&D materials (6.71 tonnes transported by trucks and 591.45 tonnes transported by barge) were disposed of at WENT Landfill and Public Filling Reception Facility at Tuen Mun Area 38 during reporting period. No chemical waste was disposed of during the reporting period.

**Complaint Records**

No environmental complaint was received during the reporting period.

**Exceedance**

Exceedances of Tby and SS levels for marine water quality were recorded during reporting period when compared with A/L Levels and baseline check criteria.

Investigation has been conducted for the exceedances. Almost all the exceedances attributed to broken silt curtain, grabbing of C&D materials from Seawall B to the barge and seepage of muddy water during rainy days during the reporting period.

ET recommended the CT to (1) repair broken silt curtain promptly; (2) use closed grab for transferring C&D materials; (3) grab C&D materials behind the silt curtain; (4) cover the stockpile by tarpaulin; and (5) surround the stockpile by silt curtain completely.

During the reporting period, CT was repairing the silt curtain. Grabbing of C&D materials was conducted behind silt curtain. With remedial works implemented and suspension of grabbing C&D materials in late March, exceedances of marine water quality were not recorded from 26 to 30 March 2007.

**Notification of Summons and Successful Prosecution**

No notification of summon and prosecution was received during the reporting period.

**Environmental Licences**

No new environmental licence was granted during the reporting period.

# 1 Introduction

Ove Arup & Partners Hong Kong Limited (Arup) was appointed by the Contractor (CT) – Chun Wo Construction & Engineering Co. Ltd as the Environmental Team (ET) for *Contract No. HY/2005/06 Castle Peak Road Improvements – West of Tsing Lung Tau* (hereafter called the "Project"). The reclamation at west of Tsing Lung Tau is covered by an Environmental Permit (EP) No. EP-219/2005 issued in June 2005 with reference to Section 6 of the Technical Memorandum on Environmental Impact Assessment Ordinance (TM-EIAO). The EP was issued following the approval of the application to apply directly for an EP based upon the Project Profile. In accordance with the EM&A Manual, environmental monitoring for construction noise and marine water quality will be required during the construction and operational phases. The construction phase of the Project commenced on 28 February 2006.

## 1.1 Project Background

The Castle Peak Road (CPR) Improvement works consist of upgrading the existing CPR to provide a dual two-lane carriageway of "Rural Road A" classification between Area 2 (Tusen Wan) and Ka Loon Tsuen. The CPR Improvement project is divided into three contracts, namely HY/99/18 (West Contract), HY/99/19 (Middle Contract) and HY/2000/02 (East Contract).

Prior to inviting tenders for Contract No. HY/99/18, a section of the proposed works, between Ch.1+800 and Ch.2+240, west of Tsing Lung Tau, was excised from the Project and entrusted to the Route 10 – North Lantau to Yuen Long Highway project. This 440m long section of CPR was located under the proposed Route 10 suspension bridge, and was to form part of the works area for the Route 10 project. The Route 10 project team revised the alignment of this section of CPR accordingly to suit the arrangement of the Route 10 suspension bridge.

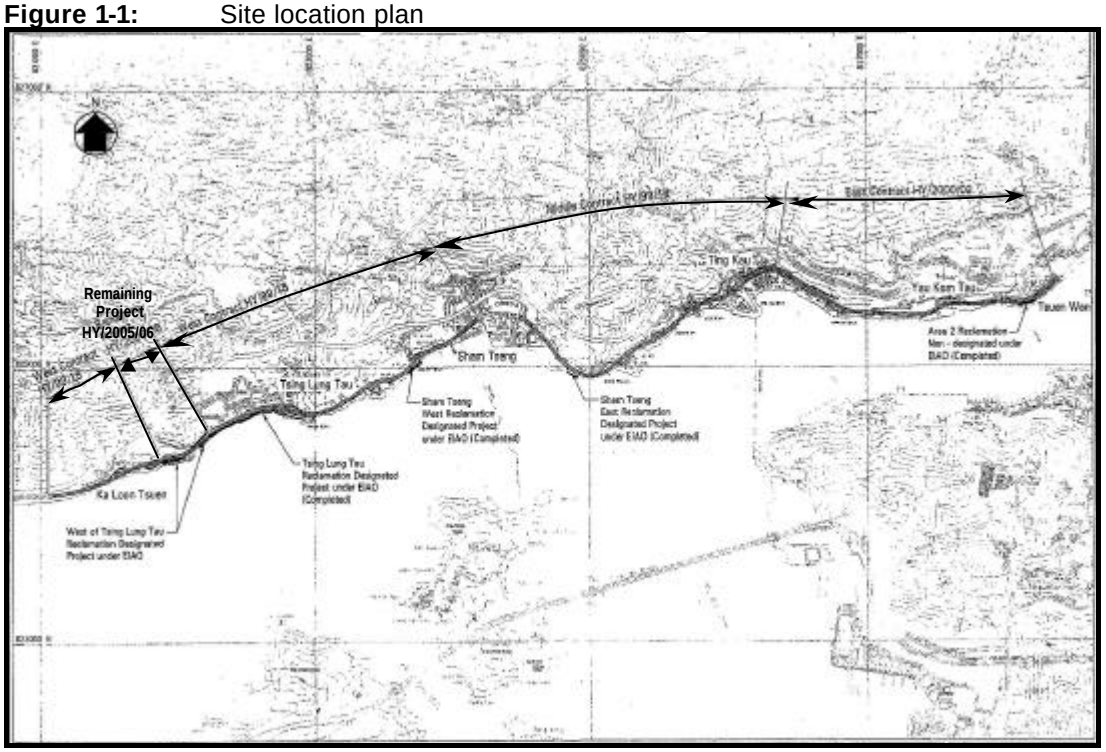
Following subsequent developments, the Route 10 project was placed under review, and Government therefore decided to implement the excised section of CPR (the Remaining Project) under the original CPR Improvement project. **Figure 1-1** shows the site location plan.

Additional reclamation (0.58 ha) at west of Tsing Lung Tau is required to support part of the remaining section of road improvement works and the additional reclamation works constitutes a material change to the reclamation works at Tsing Lung Tau.

The scope of the construction works covered by this Project is summarised as follows:

- The area of reclamation to the east of Grand Bay Villa is about 0.12 ha. The length of this part of the reclamation, measured parallel to the road, is about 107 m, and the maximum width, measured from the existing High Water Mark (HWM) to the proposed toe of the scour apron is about 16 m, of which about 13 m is sloping revetment;
- The area of reclamation west of Grand Bay Villa is about 0.46 ha. The length of this part of the reclamation, measured parallel to the road, is about 172 m, and the maximum width, measured from the existing High Water Mark (HWM) to the proposed toe of the scour apron is about 38 m, of which about 15 m is sloping revetment.

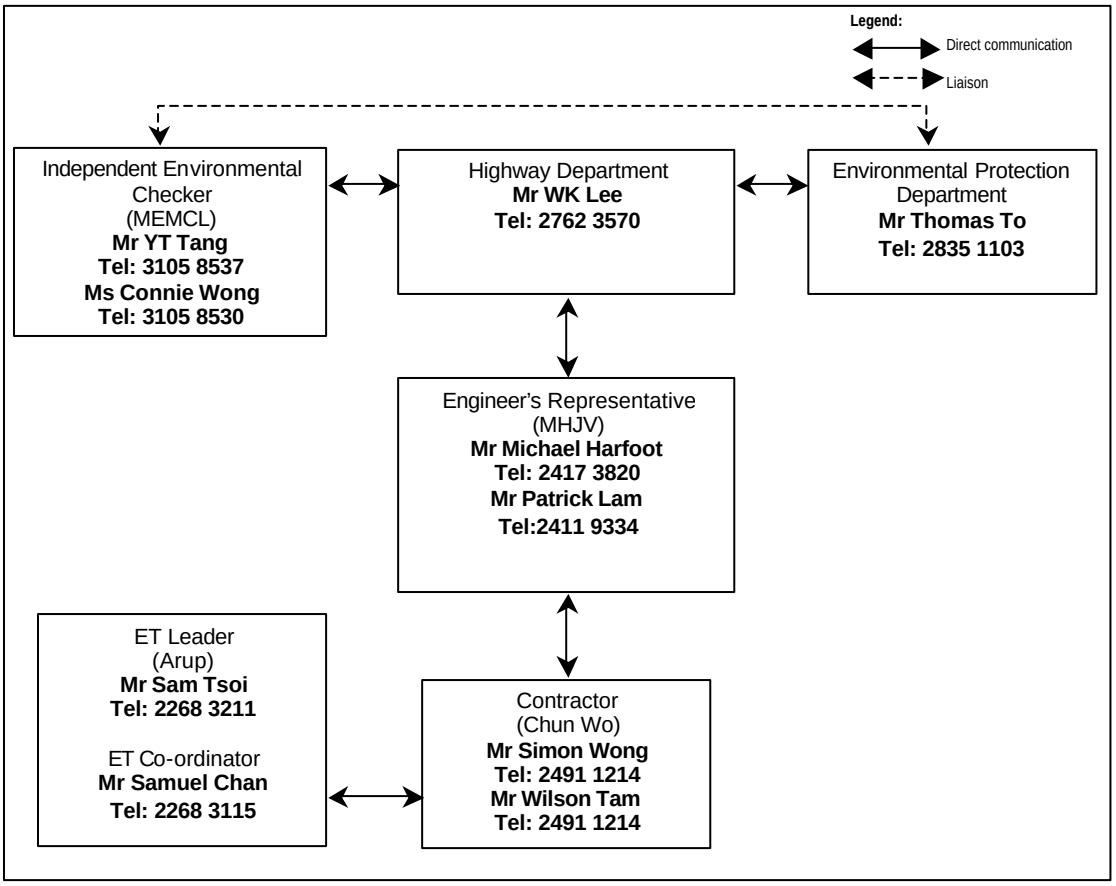
**Figure 1-1:** Site location plan




## 1.2 Project Organisation

The project organisation chart for environmental management is shown in **Figure 1.2**.

**Figure 1-2:** Project organisation chart



The Project Proponent is Highway Department; the Engineer's Representative (ER) is Meinhardt Halcrow Joint Venture (MHJV); the Contractor (CT) is Chun Wo Construction & Engineering Co. Ltd; the Independent Environmental Checker (IEC) is Maunsell Environmental Management Consultants Ltd (MEMCL) and the ET leader is Ove Arup & Partners Hong Kong Ltd (Arup).

The overall duties of ET Leader and the team are as follows:

- sampling, analysis and statistical evaluation of monitoring parameters with reference to the EIA study and subsequent reviews recommendations and requirements in respect of noise, dust and water quality;
- environmental site surveillance;
- audit of compliance with environmental protection and pollution prevention and control regulations;
- monitor the implementation of environmental mitigation measures;
- monitor compliance with the environmental protection clauses/specifications in the Contract;
- review construction programme and comment as necessary;
- review construction methodology and comment as necessary;
- complaint investigation, evaluation and identification of corrective measures;
- audit of the effectiveness of mitigation measures and EMS (if applicable) and recommend and implement any changes as appropriate.
- liaison with IEC on all environmental performance matters;
- advice to the CT on environmental improvement, awareness, enhancement matter, etc., on site; and
- Timely submission of the EM&A reports to the ER, IEC and DEP.

The duties of IEC include the followings:

- review and audit all aspects of the EM&A programme;
- validate and confirm the accuracy of monitoring results, monitoring equipment, monitoring locations, monitoring procedures and locations of sensitive receivers;
- carry out random sample check and audit on monitoring data and sampling procedures, etc;
- conduct random site inspection;
- audit the EIA, subsequent reviews and Environmental Permit recommendations and requirements against the status of implementation of environmental protection measures on site.
- review the effectiveness of environmental mitigation measures and project environmental performance;
- audit the CT's construction methodology and agree the least impact alternative in consultation with ET Leader and the CT;
- check compliant cases and the effectiveness of corrective measures;
- review EM&A report submitted by the ET Leader; and
- feedback audit results to ET Leader by signing off relevant EM&A proformas.

### 1.3 Impact EM&A Requirements

The impact environmental monitoring and audit for the Project included noise, marine water quality and environmental site audit.

### 1.4 Purpose of the Report

The purpose of the monthly EM&A report is to provide the information on monitoring methodology, monitoring results, environmental permit status, site audit findings, recommendations and conclusions for the scope of impact EM&A specified under EP No. EP-219/2005.

This is the thirteenth monthly EM&A report summarising the monitoring methodology, locations, periods, frequencies, results and any observation from the noise, marine water quality and environmental site audit from 01 March 2007 to 31 March 2007.

## 2 Scope of Construction Works

### 2.1 Construction Programme

The construction work was commenced on 28 February 2006. An up-to-date construction programme is attached in **Appendix A**.

### 2.2 Construction Activities of the Month

The major construction activities carried out by CT in March 2007 included:

- Installation of precast panel at Seawall B; and
- Removal of stockpile at Seawall B.

## 3 Summary of EM&A Requirements

Marine water quality and noise monitoring at Grand Bay Villa will be conducted by an ET at all specified monitoring locations during the construction stage. Environmental site audits will also be carried out.

The monitoring schedule for March 2007 and the tentative schedule for April 2007 are attached in **Appendix B**.

### 3.1 Construction Noise

#### 3.1.1 Monitoring Parameters

Construction noise monitoring will be measured in terms of the A-weighted equivalent continuous sound pressure level ($L_{eq}$). $L_{10}$ and $L_{90}$ will also be recorded as supplementary reference information for data auditing.

#### 3.1.2 Monitoring Frequency

Noise measurements will be conducted on a weekly basis. The monitoring time periods, monitoring parameters and frequency are summarised in **Table 3-1**.

**Table 3-1:** Construction noise monitoring parameters and frequency

| Time Period (when construction activity is found) | Parameters | Monitoring Frequency | No. of Measurements for Each Monitoring |
|---|---|---|---|
| Between 0700-1900 hours on normal weekdays | $L_{eq(30\ min)}$ | Once per week | 1 |
| Between 1900-2300 hours on normal weekdays | $L_{eq(5\ min)}$* | | 3 (consecutive) |
| Between 2300-0700 hours of next day | | | |
| Between 0700-1900 hours on holidays | | | |

* The $L_{eq(5\ min)}$ will only be measured if construction activities are conducted in holidays and between the period of 1900 and 0700 hours during normal weekdays.

### 3.1.3 Monitoring Location

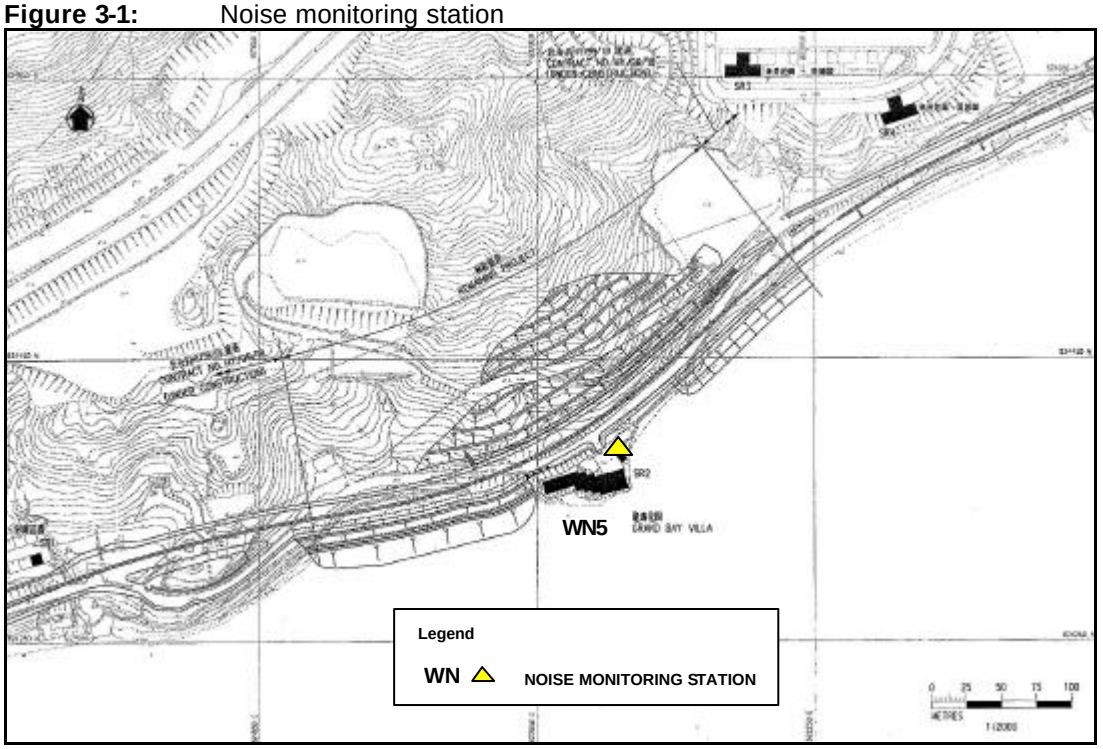
Noise monitoring will be conducted at one designated location as shown in **Figure 3-1**. The details of the noise monitoring location are given in **Table 3-2**. The measurements will be taken at a position 1m from the exterior of building façade and at a position of 1.2m above ground.

**Table 3-2:** Construction noise monitoring locations

| Noise Monitoring Station No. | Location | Monitoring Point | Remarks |
|---|---|---|---|
| WN5 | Grand Bay Villa | G/F, House 1 | Monitoring temporarily suspended * |

* Grand Bay Villa is currently vacant with no resident. Construction noise monitoring at WN5 temporarily suspended until the premises are occupied.

**Figure 3-1:** Noise monitoring station



## 3.2 Marine Water Quality

### 3.2.1 Monitoring Parameters

Marine water quality monitoring will include Turbidity (Tby) in the unit of NTU, Dissolved Oxygen (DO) in the unit of mg/L and Suspended Solids (SS) in the unit of mg/L. In addition to the water quality parameters, other relevant data such as monitoring location/position, time, water depth, water temperature, salinity, DO saturation, weather conditions, sea conditions, tidal stage will be recorded as far as practicable together with observations of any special phenomena, works underway at the construction site, etc.

### 3.2.2 Monitoring Frequency

Impact marine water quality monitoring will be conducted three times per week, at mid-flood and mid-ebb tides and at 10 designated monitoring locations. The interval between two sets of monitoring will not be less than 36 hours.

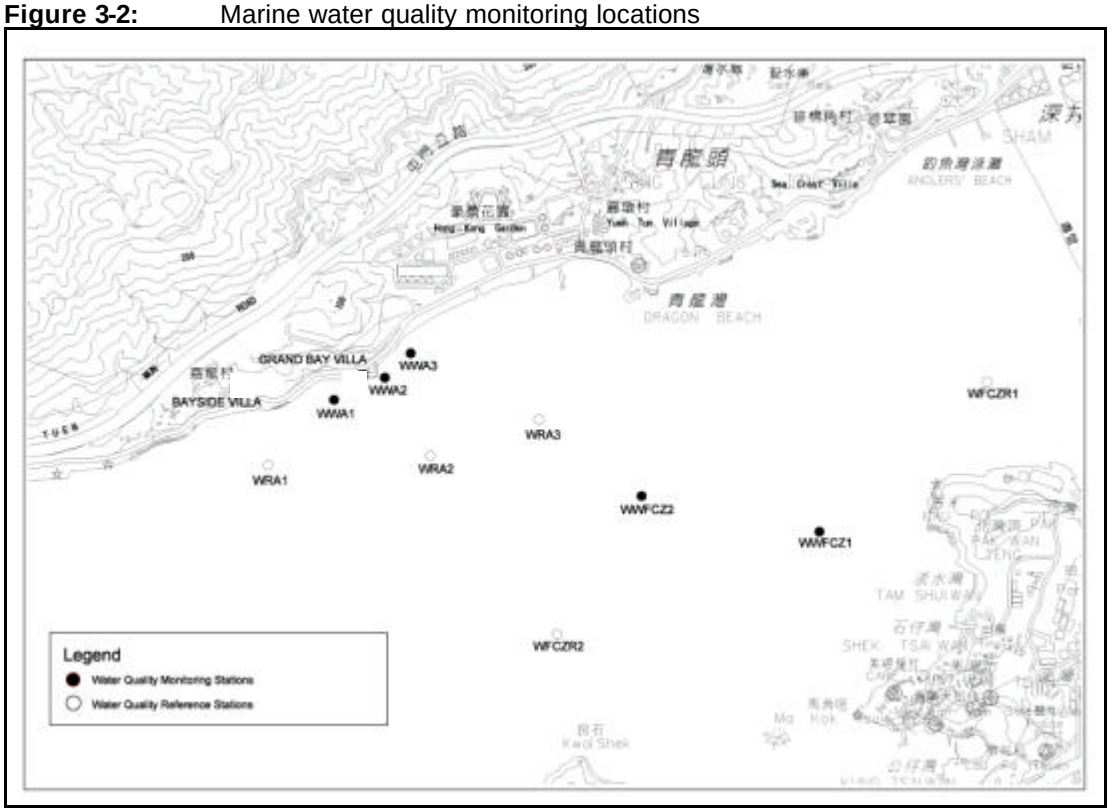
### 3.2.3 Monitoring Locations

A total of 10 locations, 5 for impact and 5 for control were specified for marine water quality monitoring in accordance with the EM&A Manual, which are summarised in **Table 3-3** and shown in **Figure 3-2**.

**Table 3-3:** Marine water quality monitoring locations

| Marine Water Quality Monitoring Location No. | | Location | |
|---|---|---|---|
| | | Eastings | Northings |
| West of Grand Bay Villa | WWA1 (Impact Location) | 821981 | 824282 |
| | WRA1 (Control Location) | 821776 | 824078 |
| Grand Bay Villa | WWA2 (Impact Location) | 822141 | 824352 |
| | WRA2 (Control Location) | 822283 | 824107 |
| East of Grand Bay Villa | WWA3 (Impact Location) | 822222 | 824429 |
| | WRA3 (Control Location) | 822625 | 824222 |
| Ma Wan Fish Culture Zone | WWFCZ1 (Impact Location) | 823500 | 823870 |
| | WWFCZ2(Impact Location) | 822943 | 823983 |
| | WFCZR1 (Control Location) | 824024 | 824333 |
| | WFCZR2 (Control Location) | 822677 | 823547 |

**Figure 3-2:** Marine water quality monitoring locations




## 3.3 Performance Limits and Event and Action Plan

The monitoring results will be checked against appropriate standards and requirements. A two-tier system performance limits have been established in the Project specific EM&A Manual. The "Action Level" and the "Limit Level" (A/L) are established according to the EPD requirements. The ET, ER, IEC, and CT will take corresponding action in accordance with the Event-Action Plans if the monitoring results exceed the performance limits.

### 3.3.1 Construction Noise

The A/L Levels for the construction noise have been established during the baseline monitoring as summarised in **Table 3-4**.

**Table 3-4:** 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) |

The action required to be taken by different parties in the case of exceedance of A/L Levels are summarised in the Event and Action Plan in **Table 3-5**.

**Table 3-5:** Event and Action Plan for construction noise

| Event | Action | | | |
|---|---|---|---|---|
| | ET Leader | IEC | ER | CT |
| Action Level | 1. Notify IEC and the CT.<br>2. Carry out investigation.<br>3. Report the results of investigation to the IEC and the CT.<br>4. Discuss with the CT and formulate remedial measures.<br>5. Increase monitoring frequency to check mitigation effectiveness. | 1. Review with the analysed results submitted by ET.<br>2. Review the proposed remedial measures by the CT and advise ER accordingly.<br>3. Supervise the implementation of remedial measures. | 1. Confirm receipt of notification of exceedance in writing.<br>2. Notify the CT.<br>3. Require the CT to propose remedial measures for the analysed noise problem.<br>4. Ensure remedial measures are properly implemented. | 1. Submit noise mitigation proposals to IEC.<br>2. Implement noise mitigation proposals. |
| Limit Level | 1. Notify the IEC, the ER, the DEP and the CT.<br>2. Identify the source.<br>3. Repeat measurement to confirm findings.<br>4. Increase monitoring frequency.<br>5. Carry out analysis of CT's working procedures to determine possible mitigation to be implemented.<br>6. Inform the IEC, the ER, and the DEP the causes & actions taken for the exceedances.<br>7. Assess effectiveness of the CT's remedial actions and keep the IEC, the DEP and the ER informed of the results.<br>8. If exceedance stops, cease additional monitoring | 1. Discuss amongst the ER, the ET Leader and the CT on the potential remedial actions.<br>2. Review the CT's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly.<br>3. Supervise the implementation of remedial measures. | 1. Confirm receipt of notification of exceedance in writing.<br>2. Notify the CT.<br>3. Require the CT to propose remedial measures for the analysed noise problem.<br>4. Ensure remedial measures are properly implemented.<br>5. If exceedance continues, consider what activity of the work is responsible and instruct the CT to stop that activity of work until the exceedance is abated. | 1. Take immediate action to avoid further exceedance.<br>2. Submit proposals for remedial actions to IEC within 3 working days of notification.<br>3. Implement the agreed proposals.<br>4. Resubmit proposals if problem still not under control.<br>5. Stop the relevant activity of works as determined by the ER until the exceedance is abated. |

### 3.3.2 Marine Water Quality

Based on the baseline water quality monitoring data obtained. The A/L levels established using the baseline marine water quality monitoring data are shown in **Table 3-6**. If the water quality monitoring results at any impact stations exceeded the criteria, the actions in accordance with the Event-Action Plan in **Table 3-8** should be carried out.

As the baseline monitoring was conducted in September to October 2005, the established A/L Levels will be more representative to the marine water quality during summer months. To cope with any potential variation of baseline levels due to change in weather conditions, baseline check will be conducted in bi-annual basis in order to update any variation of the baseline water quality at the monitoring locations.

The first baseline check was conducted on 27 February 2006 prior to the commencement of marine works and the updated marine water quality monitoring data were summarised in **Table 3-7**. Compliance assessment for future impact monitoring data will be made against the updated baseline check criteria as follows:

- Tier 1 - Comparison of water quality monitoring data at Impact Stations with the A/L Levels **(Table 3-6)** established in the Baseline Monitoring Report. If the data comply with A/L Levels, go to Tier 2. Otherwise, non-compliance will be reported and Event and Action Plan will be triggered.
- Tier 2 - Comparison of water quality monitoring data at Impact Stations with the Baseline Check Level (80% of average values of baseline check data collected at 10 monitoring locations for DO and 120% of average values of baseline check data collected at 10 monitoring locations for Tby and SS) **(Table 3-7)**. If the impact water quality is better than Baseline Check Level, compliance will be reported. Otherwise, go to Tier 3.
- Tier 3 - Comparison of water quality monitoring data at Impact Stations with the respective Control Stations. If the impact water quality is better than the respective Control Station, compliance will be reported. Otherwise, non-compliance will be reported and Event-Action Plan will be triggered for implementation of action based on exceedance of Action Level.

**Table 3-6:** Action and Limit Levels of marine water quality established in Baseline Monitoring Report [#]

| Parameters | | Monitoring locations | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | WWA1 | | WWA2 | | WWA3 | | WWFCZ1 | | WWFCZ2 | |
| | | Action Level | Limit Level | Action Level | Limit Level | Action Level | Limit Level | Action Level | Limit Level | Action Level | Limit Level |
| **Mid-ebb** | | | | | | | | | | | |
| DO (mg/L) | Surface & middle | 3.5 | 3.5 | 3.5 | 3.4 | 3.4 | 3.3 | 5.0 * | 5.0 | 5.0 * | 5.0 |
| | Bottom | 3.4 | 3.4 | 3.4 | 3.3 | 3.4 | 3.2 | 3.7 | 2.0 | 3.6 | 2.0 |
| Tby (NTU) | | 7.4 | 7.7 | 6.7 | 6.9 | 7.8 | 8.3 | 6.4 | 8.6 | 6.7 | 7.0 |
| SS (mg/L) | | 25.3 | 26.0 | 22.2 | 23.1 | 24.6 | 25.2 | 26.3 | 30.3 | 22.6 | 22.9 |
| **Mid-flood** | | | | | | | | | | | |
| DO (mg/L) | Surface & middle | 3.3 | 3.3 | 3.4 | 3.3 | 3.5 | 3.3 | 5.0 * | 5.0 | 5.0 * | 5.0 |
| | Bottom | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.3 | 2.0 | 3.5 | 2.0 |
| Tby (NTU) | | 6.9 | 7.2 | 7.6 | 8.2 | 8.7 | 10.7 | 7.4 | 11.0 | 5.9 | 6.5 |
| SS (mg/L) | | 24.1 | 24.3 | 23.5 | 23.6 | 22.3 | 23.5 | 24.4 | 25.8 | 27.4 | 28.0 |

Notes:

[#] Action and Limit Level for marine water quality were extracted from Baseline Monitoring Report, April 2006.

* Based on the criteria in Table 4-6 of Baseline Monitoring Report, the originally established action levels of DO for fish culture zone at surface & middle level were all below the 5.0 mg/L.

**Table 3-7:** Marine water quality data obtained in the baseline check on 27 February 2006

| Parameters | | Monitoring locations | | | | |
|---|---|---|---|---|---|---|
| | | **WWA1** | **WWA2** | **WWA3** | **WWFCZ1** | **WWFCZ2** |
| **Mid-ebb** | | | | | | |
| DO (mg/L) | Surface & middle | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 |
| | Bottom | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 |
| Tby (NTU) | | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 |
| SS (mg/L) | | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 |
| **Mid-flood** | | | | | | |
| DO (mg/L) | Surface & middle | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| | Bottom | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| Tby (NTU) | | 6.6 | 6.6 | 6.6 | 6.6 | 6.6 |
| SS (mg/L) | | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 |

**Table 3-8:** Event-Action plan for marine water quality

| Event | Action | | | |
|---|---|---|---|---|
| | ET Leader | IEC | ER | CT |
| **Action Level** | | | | |
| Action level being exceeded by one sampling day | 1. Repeat in-situ measurement to confirm findings.<br>2. Identify source(s) of impact.<br>3. Inform the IEC and the CT.<br>4. Check monitoring data, all plant, equipment and the CT's working methods.<br>5. Discuss mitigation measures with the IEC and the CT.<br>6. Repeat measurement on next day of exceedance. | 1. Discuss with the ET Leader and the CT on the mitigation measures.<br>2. Review proposals on mitigation measures submitted by the CT and advised the ER accordingly.<br>3. Assess the effectiveness of the implemented mitigation measures. | 1. Discuss with the IEC on the proposed mitigation measures.<br>2. Make agreement on the mitigation measures to be implemented. | 1. Inform the ER and confirm notification of the non-compliance in writing.<br>2. Rectify unacceptable practice.<br>3. Check all plants and equipment.<br>4. Consider changes of working methods.<br>5. Discuss with the ET Leader and the IEC and propose mitigation measures to the IEC and the ER.<br>6. Implement the agreed mitigation measures. |
| Action level being exceeded by more than one consecutive days | 1. Repeat in-situ measurement to confirm findings.<br>2. Identify source(s) of impact.<br>3. Inform the IEC and the CT.<br>4. Check monitoring data, all plant, equipment and the CT's working methods.<br>5. Discuss mitigation measures with the IEC and the CT.<br>6. Ensure mitigation measures are implemented.<br>7. Prepare to increase the monitoring frequency to daily.<br>8. Repeat measurement on next day of exceedance. | 1. Discuss with the ET Leader and the CT on the mitigation measures.<br>2. Review proposals on mitigation measures submitted by the CT and advised the ER accordingly.<br>3. Assess the effectiveness of the implemented mitigation measures. | 1. Discuss with IEC on the proposed mitigation measures.<br>2. Make agreement on the mitigation measures to be implemented.<br>3. Assess the effectiveness of the implemented mitigation measures. | 1. Inform the ER and confirm notification of the non-compliance in writing.<br>2. Rectify unacceptable practice.<br>3. Check all plants and equipment.<br>4. Consider changes of working methods.<br>5. Discuss with the ET Leader and the IEC and propose mitigation measures to the IEC and the ER within 3 working days.<br>6. Implement the agreed mitigation measures. |
| **Limit Level** | | | | |
| Limit level being exceeded by one sampling day | 1. Repeat in-situ measurement to confirm findings.<br>2. Identify source(s) of impact.<br>3. Inform the IEC, the CT and the DEP.<br>4. Check monitoring data, all plant, equipment and the CT's working methods.<br>5. Discuss mitigation measures with the IEC, the ER and the CT.<br>6. Ensure mitigation measures are implemented.<br>7. Increase the monitoring frequency to daily until no exceedance of the Limit Level. | 1. Discuss with the ET Leader and the CT on the mitigation measures.<br>2. Review proposals on mitigation measures submitted by the CT and advised the ER accordingly.<br>3. Assess the effectiveness of the implemented mitigation measures. | 1. Discuss with IEC, the ET Leader and the CT on the proposed mitigation measures.<br>2. Request the CT to critically review the working methods.<br>3. Make agreement on the mitigation measures to be implemented.<br>4. Assess the effectiveness of the implemented mitigation measures. | 1. Inform the ER and confirm notification of the non-compliance in writing.<br>2. Rectify unacceptable practice.<br>3. Check all plants and equipment.<br>4. Consider changes of working methods.<br>5. Discuss with the ET Leader, the IEC and the ER, and propose mitigation measures to the IEC and the ER within 3 working days.<br>6. Implement the agreed mitigation measures. |
| Limit level being exceeded by more than one consecutive days | 1. Repeat in-situ measurement to confirm findings.<br>2. Identify source(s) of impact.<br>3. Inform the IEC, the CT and the DEP.<br>4. Check monitoring data, all plant, equipment and the CT's working methods.<br>5. Discuss mitigation measures with the IEC, the ER and the CT.<br>6. Ensure mitigation measures are implemented.<br>7. Increase the monitoring frequency to daily until no exceedance of the Limit Level for two consecutive days. | 1. Discuss with the ET Leader and the CT on the mitigation measures.<br>2. Review proposals on mitigation measures submitted by the CT and advised the ER accordingly.<br>3. Assess the effectiveness of the implemented mitigation measures. | 1. Discuss with IEC, the ET Leader and the CT on the proposed mitigation measures.<br>2. Request the CT to critically review the working methods.<br>3. Make agreement on the mitigation measures to be implemented.<br>4. Assess the effectiveness of the implemented mitigation measures.<br>5. Consider and instruct, if necessary, the CT to slow down or to stop all or part of the marine work until no exceedance of Limit Level. | 1. Inform the ER and confirm notification of the non-compliance in writing.<br>2. Rectify unacceptable practice.<br>3. Check all plants and equipment.<br>4. Consider changes of working methods.<br>5. Discuss with the ET Leader, the IEC and the ER, and propose mitigation measures to the IEC and the ER within 3 working days.<br>6. Implement the agreed mitigation measures.<br>7. As directed by the ER, slow down or stop all or part of the construction activities. |

## 3.4 Site Inspection and Environmental Complaint Handling

### 3.4.1 Site Inspection Frequency and Areas Covered

Regular site inspections will be carried out on a weekly basis. The areas of inspection cover the different environmental impacts, such as air, noise, water and waste, and their pollution controls and mitigation measures for both within and outside the site area.

*Ad hoc* site inspection will be carried out if significant environmental non-compliance is identified. Inspections may also be carried out subsequent to receipt of any environmental complaints, or as part of the investigation work, as specified in the Event and Action Plans.

### 3.4.2 Site Inspection Procedures

a) The CT and/or ER will advise the Environmental Auditor (EA) of the ET for all information on any environmental related aspects.

b) The EA will discuss with the CT and/or ER to sort out and forecast any potential environmental impact.

c) The EA will conduct a site walk with the CT and/or ER, particularly the areas with extensive construction works.

d) The EA will conduct inspection for the main environmental facilities and measures such as wheel washing facilities located at site exits, water spraying truck, temporary noise barrier, and internal noise-reducing measures of the heavy equipment etc, to ensure that these environmental facilities operate normally and effectively.

e) The EA will fill up a site inspection checklist during the site inspection for recording any special observations.

f) The EA will conduct post-discussion with the CT and/or ER for the establishment of additional/special measures if any non-conformance is found. The completion date for such additional measures will be confirmed during the post-discussion.

g) The EA will propose a reasonable timeframe together with the CT and/or ER, for the preparation of the proposal for remediation of environmental non-compliance.

h) The completed site inspection checklist will be signed by the EA, the CT and/or ER, for reference and for taking action in accordance with the agreed procedures, reporting systems and time frame.

### 3.4.3 Environmental Complaints

A 24-hour complaint hotline at 6277 7465 has been established for the Project. In accordance with the EM&A Manual, environmental complaints will be referred to the ET for initiation of the complaint investigation procedures. The ET will undertake the following procedures upon receipt of complaints:

a) The ET will record the details of the complaint and the date of receipt into the complaint database, and inform ER immediately.

b) The ET will perform compliant investigation to determine its validity and to assess whether the source of the problem is due to work activities.

c) The ER will instruct the CT to identify mitigation measures in consultation with the ET, if the compliant is valid and due to works.

d) The ET will liaise with the CT on their mitigation measure proposals and implementation, if required.

e) The ET will conduct review of the CT's response on the identified mitigation measures, and of the updated situation.

f) The ET will submit interim report to EPD if the complaint is received via EPD. The interim report will clearly state the status of the complaint investigation and the follow-up action within the time frame assigned by EPD.

g) The ET will undertake additional monitoring and audit to verify the situation if necessary, and ensure that any valid reason for complaint does not recur.

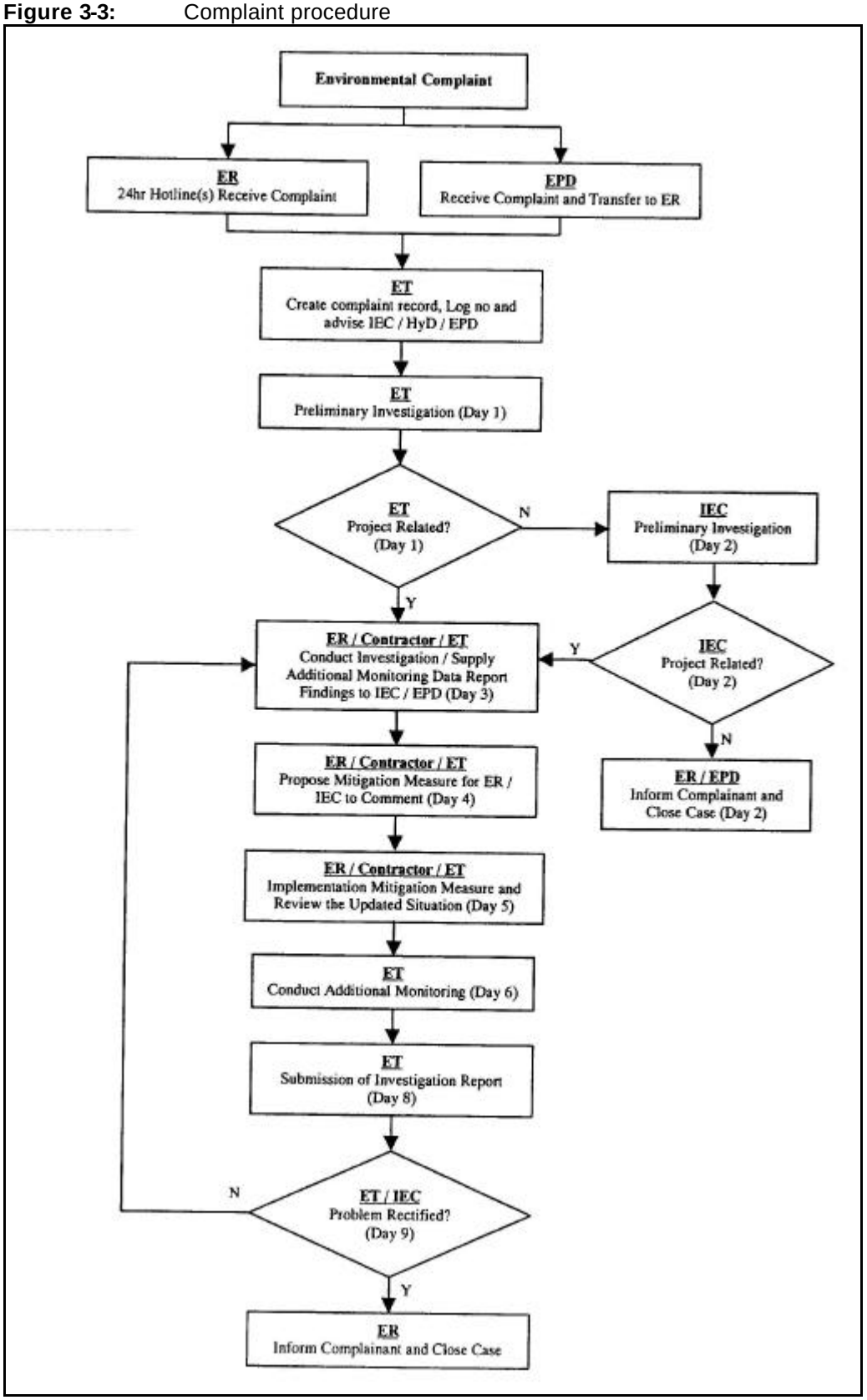
h) The ET will report on the investigation results and the subsequent actions to the source of complaint for responding to the complainant. If the source of complaint is via EPD, the results will be reported within the time frame assigned by EPD.

i) The ET will record the details of the complaint, investigation, subsequent actions and results in the monthly EM&A report.

During the complaint investigation work undertaken by the ET, the CT and ER should cooperate with the ET on providing all the necessary information and assistance for completion of the investigation. If mitigation measures are identified as necessary after the investigation, the CT should promptly carry out the required mitigation to the satisfaction of ET. The ER should ensure that the CT has carried out such identified measures.

A flow chart of the complaint response procedures is shown in **Figure 3-3** for reference.

**Figure 3-3:** Complaint procedure



# 4 Noise Monitoring

## 4.1 Monitoring Equipment

Details of the integrating sound level meters used in the noise monitoring are shown in **Table 5-1**.

**Table 5-1:** Equipment list for construction noise monitoring

| Equipment | Manufacturer & Model No. | Precision Grade | Qty. |
|---|---|---|---|
| Integrating sound level meter | Rion NA-27 | IEC 651 Type 1<br>IEC 804 Type 1 | 1 |
| Windshield | Brüel & Kjær UA0237 | | 1 |
| Acoustical calibrator | Brüel & Kjær 4226 | | 1 |
| LCD wind speed indicator | Kestrel Vane Anemometer | -- | 1 |

## 4.2 Methodology

### 4.2.1 Occupancy Status of Grand Bay Villa

The property management company of Grand Bay Villa (WN5) will be coordinated a monthly basis within 10 working days of each month to confirm the occupancy status of these premises. Once this location is confirmed occupied, noise monitoring will be resumed within 1 week.

### 4.2.2 Field Measurement

- The sound level meter and battery were checked to ensure that they were in proper condition.
- The sound level meter was set on a tripod at 1.2m above ground and at 1m from the exterior of the building façade.
- Before conducting the measurement, the sound level meter was calibrated by an acoustical calibrator.
- The measurement parameter was set to A-weighted sound pressure level. The time weighting was set in fast response and the time period of measurement at 30 minutes.
- The wind speed was checked during noise monitoring to ensure the steady wind speed did not exceed 5m/s, or wind with gusts did not exceed 10m/s.
- Any abnormal conditions that generated intrusive noise during the measurement were recorded on the field record sheet.
- After each measurement, the equivalent continuous sound pressure level ($L_{eq}$), $L_{10}$ and $L_{90}$ were recorded on the field record sheet.
- The sound level meter was re-calibrated by the acoustical calibrator to confirm that there was no significant drift of reading.

### 4.2.3 Equipment Maintenance and Calibration

All sound level meters comply with the standards of IEC 651 (Fast, Slow, Impulse RMS detector tests) and IEC 804 ($L_{eq}$ functions). The acoustical calibrator model no. 4226 complies with IEC 942.

## 4.3 Results and Observations

### 4.3.1 Occupancy Status of Grand Bay Villa

In the reporting period, Grand Bay Villa (WN5) was vacant with no resident and noise monitoring was temporarily suspended.

# 5 Marine Water Quality Monitoring

## 5.1 Marine Water Quality Monitoring Equipment

Monitoring of Turbidity (Tby) in NTU, Dissolved Oxygen (DO) in mg/L and Suspended Solids (SS) in mg/L was carried to ensure that any deteriorating water quality would be readily detected and timely action would be taken to rectify the situation. Tby and DO were measured in-situ while SS was determined in the laboratory. A list of the marine water quality monitoring equipment is summarised in **Table 5-1**.

**Table 5-1:** Marine water quality monitoring equipment

| Equipment | Manufacturer & Model No. | Qty |
|---|---|---|
| Handheld DO, Temperature & Salinity Meter | YSI Model 85 | 1 |
| pH meter | Hanna | 1 |
| Turbidimeter | HACH 2100P | 1 |

## 5.2 Methodology

### 5.2.1 DO, Temperature and Salinity Measuring Equipment

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

i. The instrument was a portable, weatherproof dissolved oxygen measuring instrument complete with cable and used 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;
   - A temperature of 0-45$^{o}$C; and
   - A salinity level in the range of 0-40 ppt.

ii. It had a membrane electrode with automatic temperature compensation complete with a cable.

### 5.2.2 Tby Measurement Instrument

The instrument was a portable, weatherproof turbidity-measuring instrument complete with comprehensive operations manual. The equipment used a DC power source. It had a photoelectric sensor capable of measuring turbidity between 0-1000 NTU and was complete with a cable.

### 5.2.3 SS

The following equipment was used to monitor the SS:

i. A water sampler comprised a transparent PVC cylinder, with a capacity of not less than 2 litres and which can 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 was at the selected water depth.

ii. Water samples for SS measurement were collected in high density polythene bottles, packed in ice (cooled at 4$^{o}$C without being frozen) and delivered to the laboratory as soon as possible after collection.

### 5.2.4 Water Depth Detector

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

#### 5.2.5 Location of the Monitoring Site

A hand-held Global Positioning System (GPS) was used during monitoring to ensure the monitoring vessel was at the correct location before taking measurements.

#### 5.2.6 Calibration and Accuracy of Instrumentation

All *in-situ* monitoring instruments were checked, calibrated and certified by a HOKLAS accredited laboratory or any other international accreditation scheme before use, and subsequently re-calibrated at 3 monthly intervals throughout all stages of the water quality monitoring. Response of sensors and electrodes were checked with certified standard solutions before each use. Wet bulb calibration for a DO meter was carried out before measurement at each monitoring location. The calibration certificates are attached in **Appendix C**. For the on site calibration of field equipment, the BS 1427:1993, "Guide to Field and on-site test methods for the analysis of waters" was followed.

### 5.3 Results and Observations

#### 5.3.1 Weather Conditions and Other Factors

No adverse weather conditions were recorded during the reporting period.

#### 5.3.2 Summary of Results

Impact marine water quality monitoring was undertaking during mid-ebb and mid-flood tidal cycles at 10 designated locations including 5 impact and 5 control stations. A baseline check was conducted on 27 February 2006 prior to the commencement of marine works and a compliance checking mechanism was established in accordance with the Baseline Monitoring Report. Detailed water quality monitoring results are given in **Appendix D**. Graphical presentation of the monitoring results are illustrated in **Figures 5-1 to 5-8**.

**Summary of Mid-Ebb Tide**

The lowest DO level for surface & middle position of 5.42 mg/L were recorded at WWA3 on 26 March 2007 and the lowest DO level for bottom position of 5.39 mg/L were recorded at WWA3 on 30 March 2007. There was no exceedance of DO level during reporting period when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

The highest depth-averaged Tby level of 15.3 Nephelometric Turbidity Unit (NTU) were recorded at WWA2 on 19 March 2007. There were 2 exceedances of Tby Baseline Check Criteria on 19 and 23 March 2007 and 9 exceedances of Tby Limit Level on 19, 21 and 23 March 2007 during reporting period when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

The highest SS level of 33.7 mg/L were recorded at WWA3 on 16 March 2007. There were 14 exceedances of SS Baseline Check Criteria on 02, 05, 07, 09, 12, 19 and 21 March 2007 and 3 exceedances of SS Limit Level on 16, 19 and 21 March 2007 when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

The exceedances of Tby and SS Levels were likely related to broken silt curtain, grabbing of C&D materials from Seawall B to the barge and seepage of muddy water during rainy days, except for 2 exceedances of SS on 02 and 12 March 2007. Please refer to Section 6.4 for details.

**Summary of Mid-Flood Tide**

The lowest DO level for surface & middle position of 5.39 mg/L were recorded at WWFCZ1 on 28 March 2007 and the lowest level for bottom position of 5.39 mg/L were recorded at WWA2 on 23 March 2007. There was no exceedance of DO level during reporting period when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

The highest depth-averaged Tby level of 11.0 NTU were recorded at WWA2 on 19 March 2007. There were 1 exceedance of Tby Baseline Check Criteria on 23 March 2007, 3 exceedances of Tby Action Level on 19 and 21 March 2007 and 4 exceedances of Tby Limit Level on 19 and 21 March 2007 during reporting period when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

The highest SS level of 33.8 mg/L was recorded at WWA2 on 19 March 2007. There were 2 exceedances of SS Baseline Check Criteria on 07 and 21 March 2007 and 3 exceedances of SS Limit Level on 02, 19 and 21 March 2007 when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

The exceedances of Tby and SS Levels were likely related to broken silt curtain, grabbing of C&D materials from Seawall B to the barge and seepage of muddy water during rainy days, except for 1 exceedance of SS recorded on 02 March 2007. Please refer to Section 6.4 for details.

**Figure 5-1:** DO levels (surface and middle level) at mid-ebb tide in March 2007

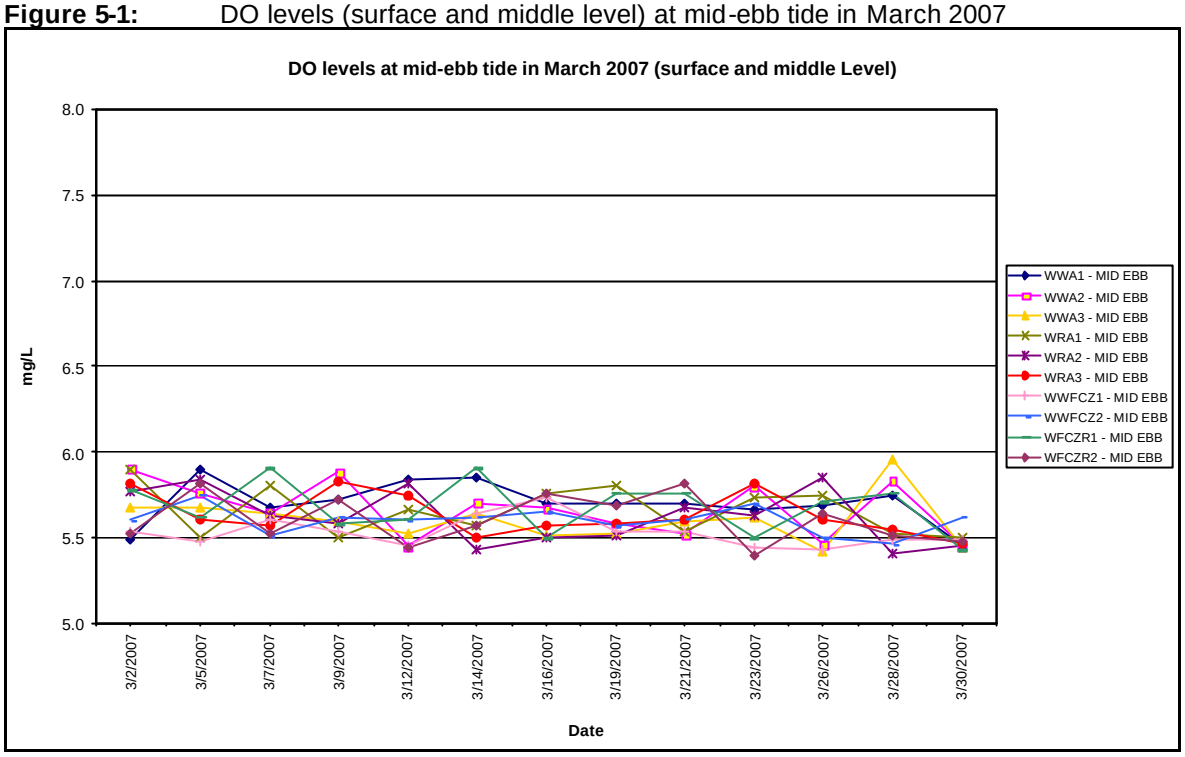



**Figure 5-2:** DO levels (bottom level) at mid-ebb tide in March 2007

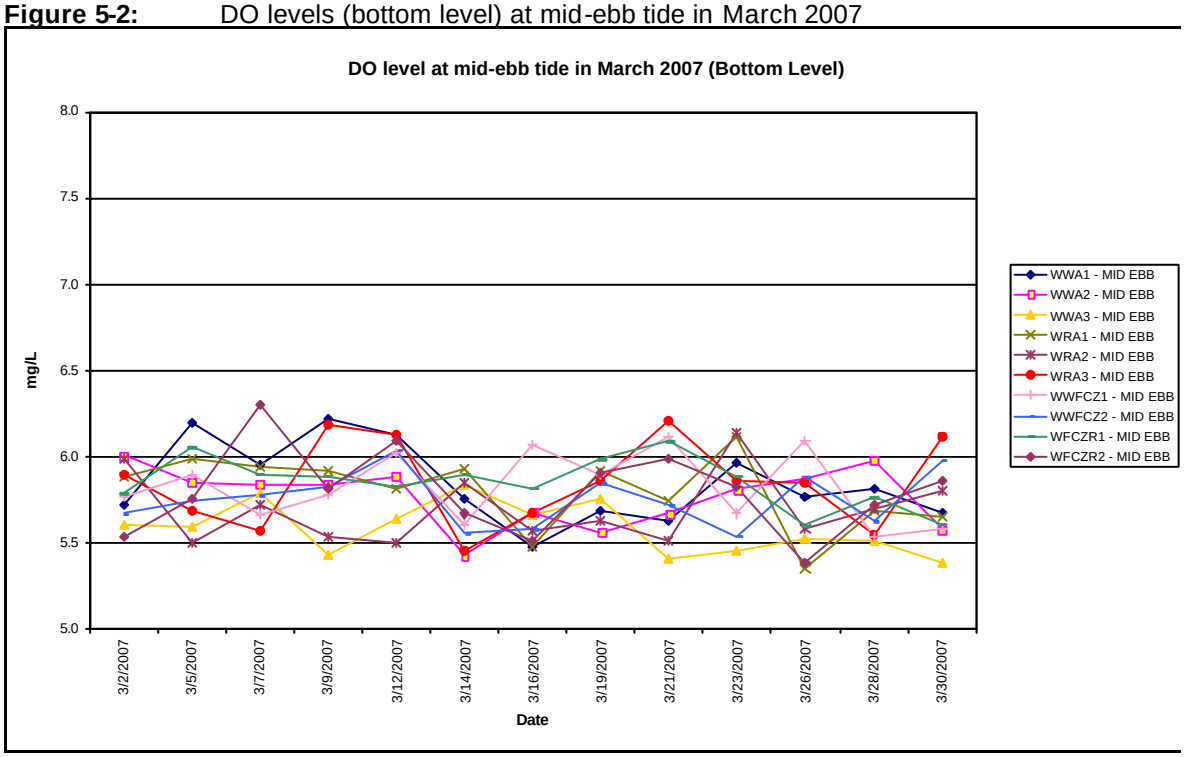


**Figure 5-3:** DO levels (surface and middle level) at mid-flood tide in March 2007

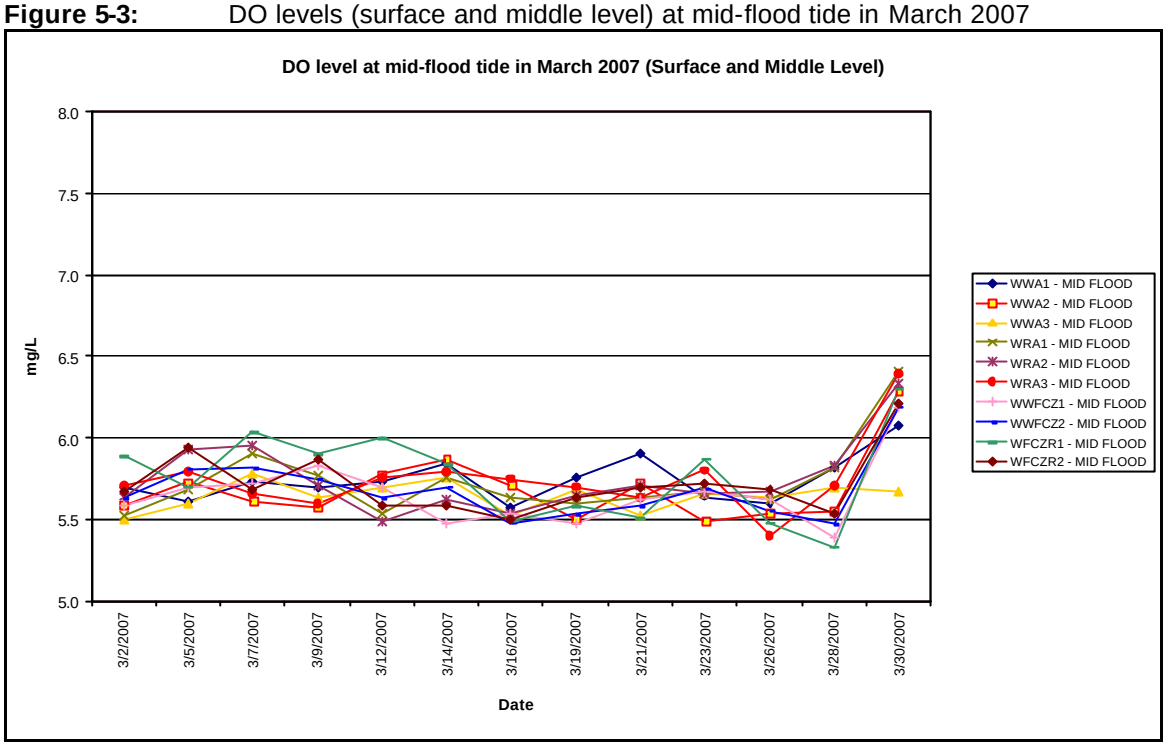



**Figure 5-4:** DO levels (bottom level) at mid-flood tide in March 2007

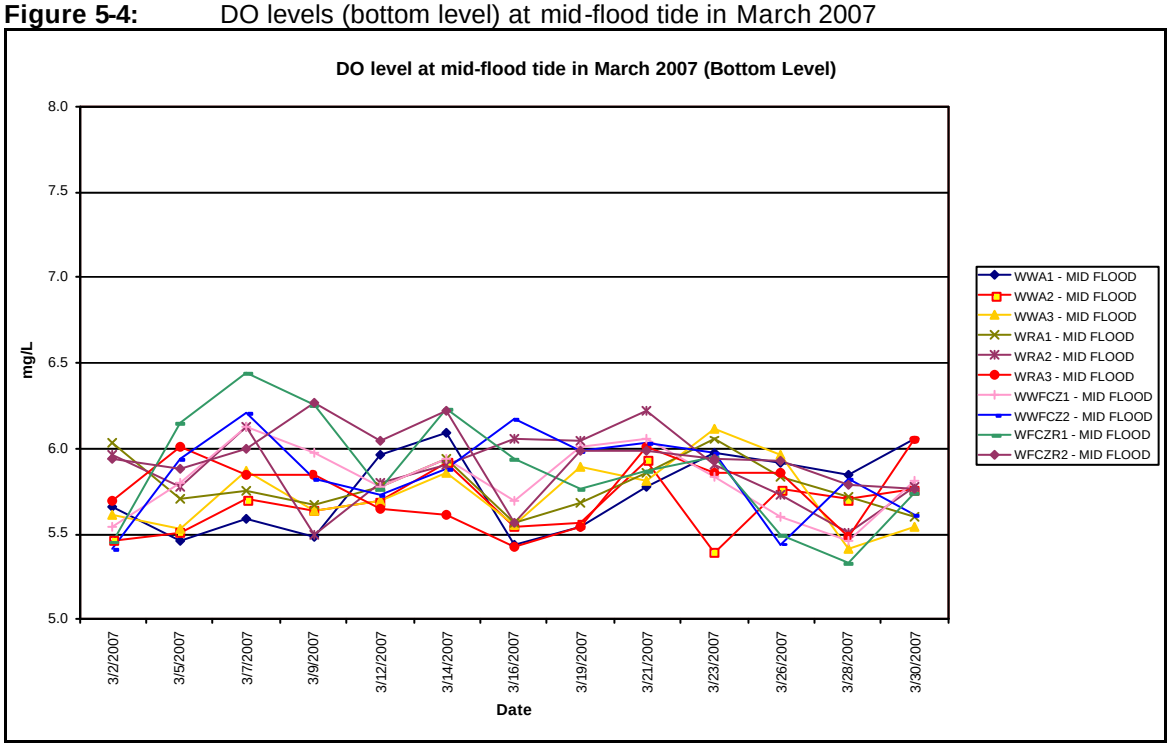


**Figure 5-5:** Turbidity levels at mid-ebb tide in March 2007

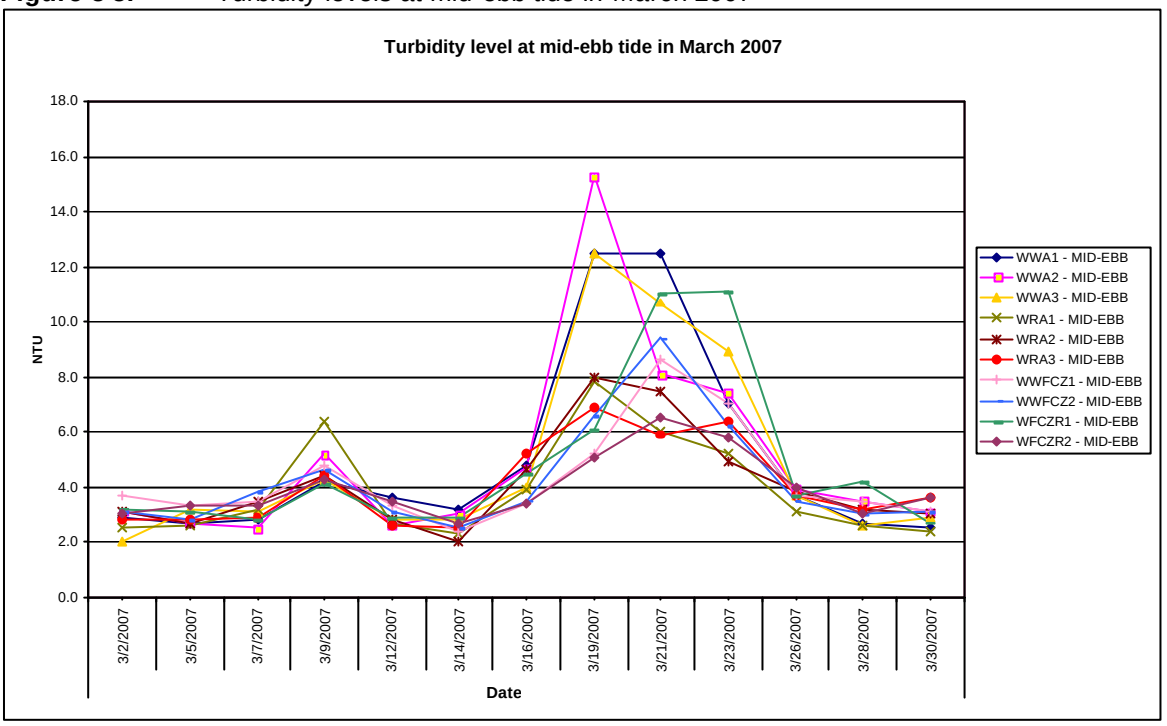



**Figure 5-6:** Turbidity levels at mid-flood tide in March 2007

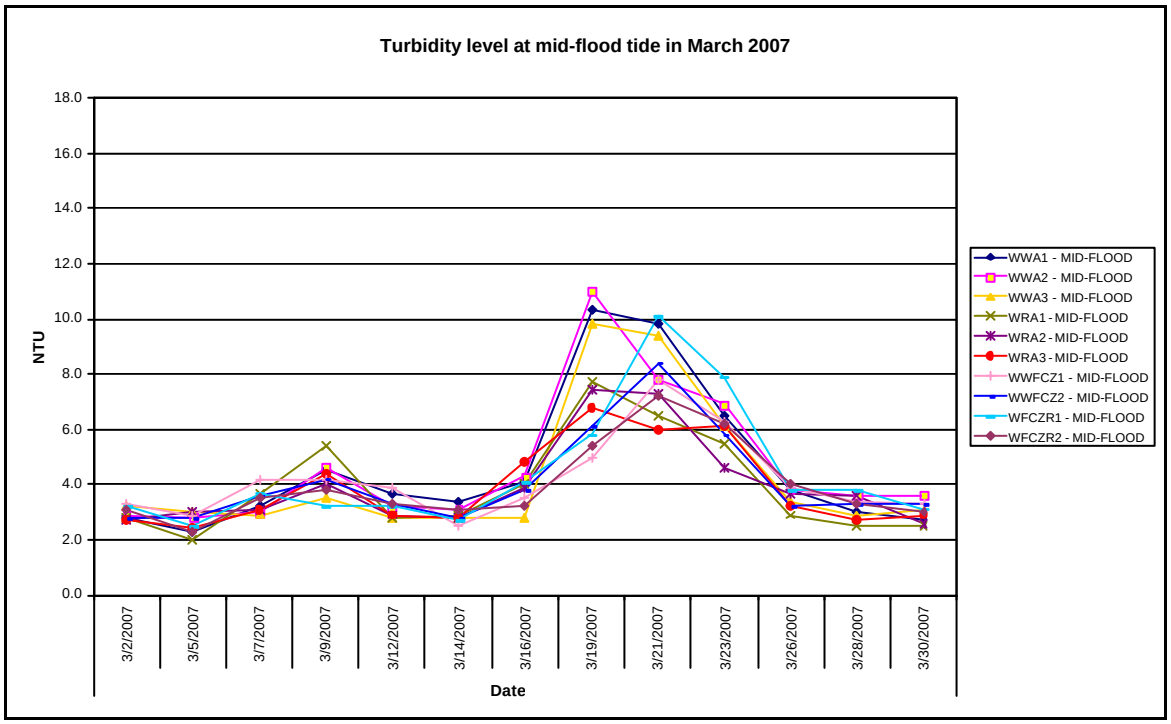


**Figure 5-7:** SS levels at mid-ebb tide in March 2007

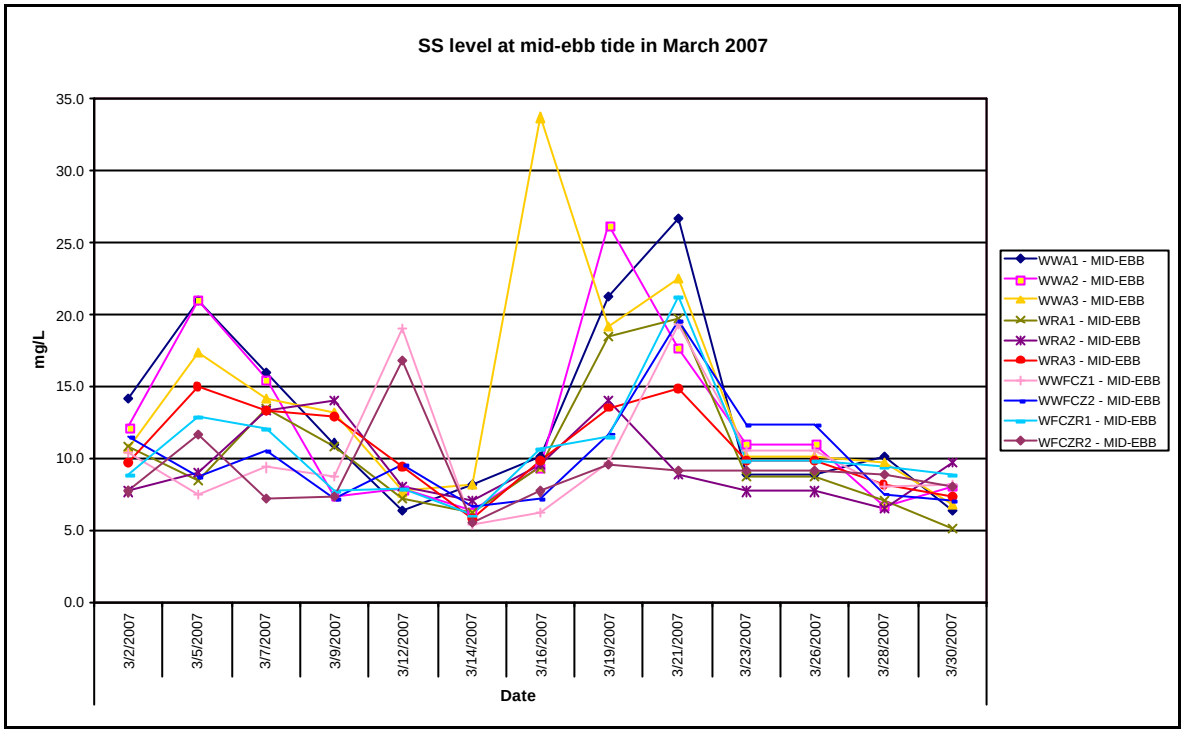
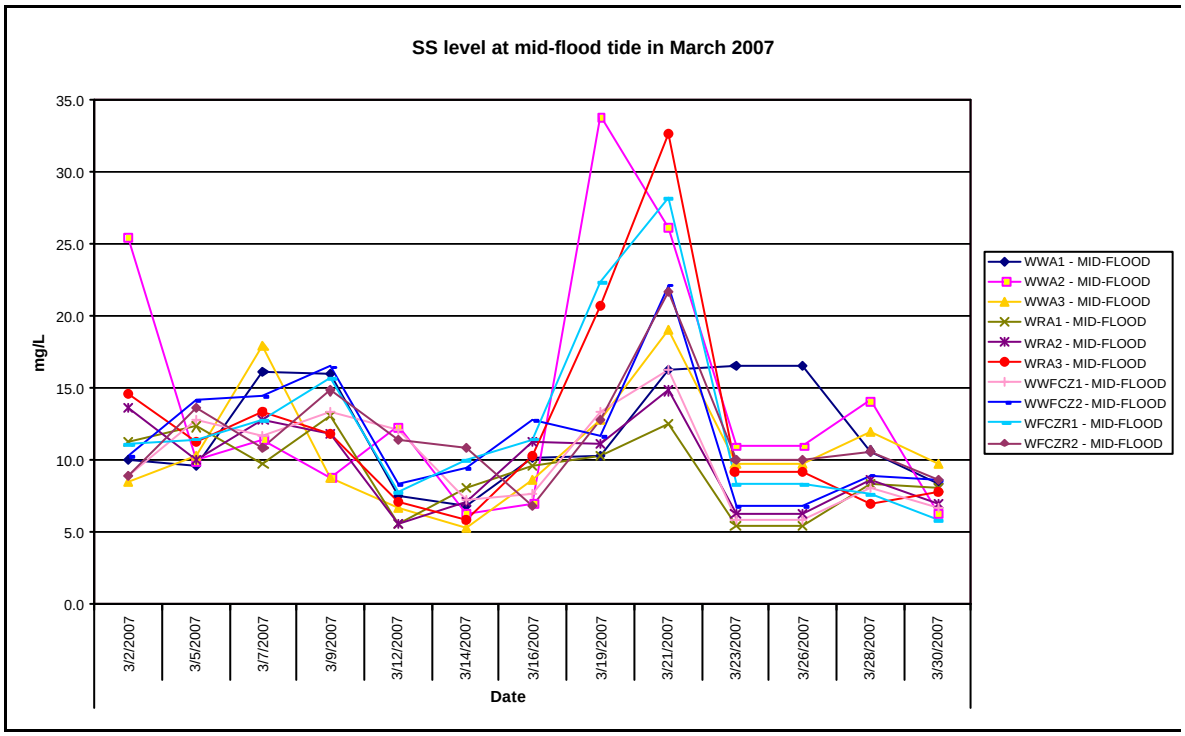



**Figure 5-8:** SS levels at mid-flood tide in March 2007



# 6 Site Inspection, Waste Disposal, environmental complaints, environmental licenses and non-compliance records

## 6.1 Site Audit Findings

Five weekly environmental site audits were carried out on 01, 08, 16, 22 and 29 March 2007. The findings of the site audits are summarised in **Table 6-1**.

**Table 6-1:** Findings of weekly environmental site audit in March 2007

| Date of Issue Raised | Observation | Advice from EA | CT's Response / Action | Closing Date |
|---|---|---|---|---|
| Follow-up of last month's site audit | 1. Stockpile was observed at outfall EA and EB area. | CT was reminded to cover the stockpile. | Agreed with the ET's advice. The stockpile was removed in mid-March. | 16 March 2007 |
| | 2. Silt curtain was observed broken at Seawall B. | CT was reminded to repair the silt curtain promptly. | The amendment of the silt curtain was completed in late March 2007. The CT advised that a new silt curtain would be installed around the stockpile in April. | 29 March 2007 |
| | 3. Black smoke was emitted from an excavator at Seawall B. | CT was reminded to have good maintenance to all equipment. | Agreed with the ET's advice. The excavator was removed from Seawall B in mid-March 2007. | 16 March 2007 |
| | 4. Transplant of tree T113 was outstanding. | CT was reminded to transplant the tree. | CT advised that the tree will be transplanted once the traffic is diverted. | On-going |
| 01 March 2007 (WTLT 057) | 1. General refuse was observed at outfall EA and EB. | CT was reminded to clear the waste. | Agreed with the ET's advice. CT had removed the refuse before next audit. | 08 March 2007 |
| | 2. A sand bag was broken at bus-stop near Dragon View. | CT was reminded to clear the sand as soon as possible. | Agreed with the ET's advice. The broken sand bag was removed in mid-March. | 16 March 2007 |
| | 3. Exposed slope was not covered at Slope D. | CT was reminded to cover the slope. | Agreed with the ET's advice. Slope D was covered in early April. | 04 April 2007 |
| | 4. Rock breaking works was observed without water spraying at Slope A (opposite to Grand Bay Villa). | CT was reminded to provide water spraying during rock breaking works. | Agreed with the ET's advice. Rock breaking works with water spraying was observed during site audit on 16 March 2007. | 16 March 2007 |

| Date of Issue Raised | Observation | Advice from EA | CT's Response / Action | Closing Date |
|---|---|---|---|---|
| 08 March 2007 (WTLT 058) | 1. Construction waste was observed at Slope D. | CT was reminded to clear the waste. | Agreed with the ET's advice. The construction waste had been removed before the site audit on 22 March. | 22 March 2007 |
| | 2. Construction waste was observed outside Maeda's site office. | CT was reminded to clear the waste. | Agreed with the ET's advice. CT had removed the waste before next audit. | 16 March 2007 |
| 16 March 2007 (WTLT 059) | 1. Construction waste was observed at Seawall A, Seawall B, Outfall EA and EB. | CT was reminded to clear the waste. | Agreed with the ET's advice. CT had removed the waste before next audit. | 22 March 2007 |
| | 2. A drip-tray was observed broken and another one was full of diesel oil near Chun Wo Site Office. | CT was reminded to replace the broken driptray and clear the diesel oil from another driptray. | Agreed with ET's advice. CT had replaced the broken drip-tray before next audit. | 22 March 2007 |
| | 3. A chemical drum was observed without drip-tray at Chun Wo Site Office. | CT was reminded to provide driptrays to all oil drums. | Agreed with the ET's advice. CT had provided with driptray to the chemical drum in late March. | 29 March 2007 |
| | 4. Empty cement bags were observed near Seawall A. | CT was reminded to clear the empty cement bags. | Agreed with the ET's advice. CT had removed the empty cement bags before next audit. | 22 March 2007 |
| | 5. Road surface near Maeda's site office was observed dry. | CT was reminded to provide water spraying over unpaved areas. | Agreed with the ET's advice. Water spraying was provided during site audit on 22 March 2007. | 22 March 2007 |
| 22 March 2007 (WTLT 060) | 1. Rock breaking works was observed without watering at Slope A. | CT was reminded to provide water spraying during rock breaking works. | CT provided water spraying immediately during site audit. | 22 March 2007 |
| | 2. C&D materials was being grabbed from Seawall B to the barge during site audit. Mitigation measures were not observed to prevent dropping of C&D materials to the sea. Muddy water was also observed around the stockpile where the silt curtain was broken. | CT was recommended to stop grabbing C&D materials from Seawall B to the barge. Also, mitigation measures should be provided to prevent dropping of C&D materials. | CT stopped their works at Seawall B immediately and the silt curtain was being repaired during site audit. | 29 March 2007 |

| Date of Issue Raised | Observation | Advice from EA | CT's Response / Action | Closing Date |
|---|---|---|---|---|
| 29 March 2007<br>(WTLT 061) | 1. Minor damage was observed on the trunk of Tree T662. | CT was reminded to prevent further damage to the trees. | Agreed with the ET's advice. | 29 March 2007 |
| | 2. A driptray was observed full of rainwater near Chun Wo's site office. | CT was reminded to clear the stagnant water. | Agreed with the ET's advice. CT had cleared the stagnant water before next audit. | 04 April 2007 |
| | 3. C&D waste was observed at outfall EA and EB. | CT was reminded to clear the waste. | Agreed with the ET's advice. CT had cleared the waste before next audit. | 04 April 2007 |
| | 4. Unpaved area at outfall EA and EB was observed dry. | CT was reminded to provide water spraying frequently. | Agreed with the ET's advice. The areas of outfall EA and EB were observed wet. | 04 April 2007 |
| | 5. Stockpile of sand without cover was observed near outfall EA and EB. | CT was reminded to cover the stockpile. | Agreed with the ET's advice. The stockpile was observed covered in next audit. | 04 April 2007 |
| | 6. An existing tree was used as temporary support for a scaffolding near outfall EA and EB. | CT was reminded to avoid using existing tree as temporary support. | Agreed with the ET's advice. CT had removed the scaffolding away from the tree. | 04 April 2007 |
| | 7. Haul road at Seawall B was observed dry. | CT was reminded to provide water spraying frequently. | Agreed with the ET's advice. CT provided water spraying along the haul road. | 04 April 2007 |
| | 8. Some of the tags for exiting trees within the site were missing. | CT was reminded to put tags on the trees. | Agreed with the ET's advice. | On-going |
| | 9. Amendment of silt curtain was completed. | CT was reminded to surround the stockpile with silt curtain completely before commencement of dredging and reclamation works. | CT advised that the existing silt curtain would be used for grabbing of C&D materials from Seawall B to the barge. However, a new silt curtain will be installed around the stockpile at Seawall B soon. | 29 March 2007 |
| | 10. Removal of C&D materials by barge was not observed during site audit. | CT was reminded remove C&D material behind silt curtain and to use closed grab for transferring C&D materials in the future. | Agreed with the ET's advice. | 29 March 2007 |

## 6.2 Waste Disposal

Disposal of waste material in the reporting period generally complied with the corresponding waste disposal requirements. The waste disposal quantity in the reporting period is summarised in **Table 6-2**. CT transported C&D material to Public Filling Reception Facility in Tuen Mun Area 38 by barge and truck during reporting period. The disposal record of C&D materials by barge in March 2007 is attached in **Appendix E**.

**Table 6-2:** Waste disposal quantity in March 2007

| Type of waste or material | | Disposal at | No. of loads or quantities |
|---|---|---|---|
| C&D waste | | WENT Landfill | 41.41 tonnes |
| C&D material | By barge | Public Filling Reception Facility in Tuen Mun Area 38 | 6.71 tonnes |
| | By truck | | 591.45 tonnes |
| Chemical waste | | Collected by licensed collector | 0 |

## 6.3 Complaint Record

There was no environmental complaint received in March 2007.

## 6.4 Exceedance

Exceedances of Tby and SS levels for marine water quality were recorded during reporting period when compared with A/L Levels and baseline check criteria.

Investigation has been conducted for the exceedances. The exceedances were likely attributed to the construction activities of the Project, except for 3 exceedances recorded on 02 and 12 March 2007.

These exceedances are summarised in **Tables 6-3 and 6-4**. The details of the investigation was summarised in **Appendix F.**

The exceedances related to the construction activities of the Project were likely attributed to broken silt curtain; grabbing of C&D materials from Seawall B to the barge and seepage of muddy water during rainy days.

ET recommended the following mitigation measures:

(1) The broken silt curtain should be repaired promptly;

(2) Closed grab should be used for transferring C&D materials;

(3) The grabbing of C&D materials should be conducted behind the silt curtain;

(4) The stockpile at Seawall B should be covered by tarpaulin; and

(5) The stockpile at Seawall B should be surrounded by silt curtain completely.

Upon advised by ET, the CT has taken the following measures during the reporting period:

(1) The existing silt curtain was being repaired; and

(2) The grabbing of C&D materials was conducted behind silt curtain.

CT also advised that it was not feasible to cover the stockpile at Seawall B as it was an active stockpile. However, a new silt curtain will be installed around the stockpile area in April.

With remedial works implemented and suspension of grabbing C&D materials in late March, exceedances of marine water quality were not recorded from 26 to 30 March 2007.

**Table 6-3:** Summary of exceedances of marine water quality monitoring (related to construction works of the Project) in March 2007

| Date | Tide | Location | Exceedances of monitoring data | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Tby (NTU) | | | SS (mg/L) | | |
| | | | Control Station | Impact Station | Exceedance of | Control Station | Impact Station | Exceedance of |
| 05-Mar | Mid-ebb | WWA1 | - | - | - | 8.5 | 21.0 | Baseline Check |
| 05-Mar | Mid-ebb | WWA2 | - | - | - | 9.0 | 21.0 | Baseline Check |
| 05-Mar | Mid-ebb | WWA3 | - | - | - | 15.0 | 17.3 | Baseline Check |
| 07-Mar | Mid-ebb | WWA1 | - | - | - | 13.5 | 16.0 | Baseline Check |
| 07-Mar | Mid-ebb | WWA2 | - | - | - | 13.3 | 15.5 | Baseline Check |
| 07-Mar | Mid-ebb | WWA3 | - | - | - | 13.3 | 14.2 | Baseline Check |
| 07-Mar | Mid-flood | WWA3 | - | - | - | 13.3 | 18.0 | Baseline Check |
| 09-Mar | Mid-ebb | WWA3 | - | - | - | 12.8 | 13.2 | Baseline Check |
| 16-Mar | Mid-ebb | WWA3 | - | - | - | 9.8 | 33.7 | Limit Level |
| 19-Mar | Mid-ebb | WWA1 | 7.8 | 12.5 | Limit Level | 18.5 | 21.2 | Baseline Check |
| 19-Mar | Mid-ebb | WWA2 | 8.0 | 15.3 | Limit Level | 14.0 | 26.2 | Limit Level |
| 19-Mar | Mid-ebb | WWA3 | 6.9 | 12.5 | Limit Level | 13.5 | 19.2 | Baseline Check |
| 19-Mar | Mid-ebb | WWFCZ2 | 5.1 | 6.6 | Baseline Check | - | - | - |
| 19-Mar | Mid-flood | WWA1 | 7.7 | 10.3 | Limit Level | - | - | - |
| 19-Mar | Mid-flood | WWA2 | 7.4 | 11.0 | Limit Level | 11.2 | 33.8 | Limit Level |
| 19-Mar | Mid-flood | WWA3 | 6.8 | 9.8 | Action Level | - | - | - |
| 21-Mar | Mid-ebb | WWA1 | 6.0 | 12.5 | Limit Level | 19.7 | 26.7 | Limit Level |
| 21-Mar | Mid-ebb | WWA2 | 7.5 | 8.1 | Limit Level | 8.8 | 17.7 | Baseline Check |
| 21-Mar | Mid-ebb | WWA3 | 5.9 | 10.7 | Limit Level | 14.8 | 22.5 | Baseline Check |
| 21-Mar | Mid-ebb | WWFCZ2 | 6.5 | 9.4 | Limit Level | 9.2 | 19.5 | Baseline Check |
| 21-Mar | Mid-flood | WWA1 | 6.5 | 9.8 | Limit Level | - | - | - |
| 21-Mar | Mid-flood | WWA2 | 7.3 | 7.8 | Action Level | 14.8 | 26.2 | Limit Level |
| 21-Mar | Mid-flood | WWA3 | 6.0 | 9.4 | Action Level | - | - | - |
| 21-Mar | Mid-flood | WWFCZ2 | 7.2 | 8.4 | Limit Level | 21.7 | 22.2 | Baseline Check |
| 23-Mar | Mid-ebb | WWA1 | 5.2 | 7.0 | Baseline Check | - | - | - |
| 23-Mar | Mid-ebb | WWA2 | 4.9 | 7.4 | Limit Level | - | - | - |
| 23-Mar | Mid-ebb | WWA3 | 6.4 | 8.9 | Limit Level | - | - | - |
| 23-Mar | Mid-ebb | WWA2 | 4.6 | 6.9 | Baseline Check | - | - | - |

**Table 6-4:** Summary of exceedances of marine water quality monitoring (not related to construction works of the Project) in March 2007

| Date | Tide | Location | Exceedances of monitoring data | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Tby (NTU) | | | SS (mg/L) | | |
| | | | Control Station | Impact Station | Exceedance of | Control Station | Impact Station | Exceedance of |
| 02-Mar | Mid-ebb | WWA1 | - | - | - | 10.8 | 14.2 | Baseline Check |
| 02-Mar | Mid-flood | WWA2 | - | - | - | 13.7 | 25.5 | Limit Level |
| 12-Mar | Mid-ebb | WWFCZ1 | - | - | - | 7.8 | 19.0 | Baseline Check |

## 6.5 Notification of Summons and Successful Prosecution

No notification of summons and prosecution was received in March 2007.

## 6.6 Environmental Licenses

No new environmental licence was granted during reporting period. A summary of the valid environmental licences is given in **Table 6-4.**

**Table 6-4:** Summary of valid environmental licences in March 2007

| Type of Licence | Reference No. | Valid from | Valid to |
|---|---|---|---|
| Environmental Permit | EP-219/2005 | 20 Jun 2005 | Not applicable |
| Registration of Chemical Waste Producer | 5111-336-C2869-49 | 16 Feb 2006 | Not applicable |
| Water Discharge Licence | EP760/336/011348 I | 31 Mar 2006 | 31 Mar 2011 |
| Construction Noise Permit | GW-RW 0654-06 | 14 Nov 2006 | 15 Mar 2007 |
| Delivery of C&D Materials to PFRF at Tuen Mun Area 38 by Barge | Application No.: CEDD00160 | 30 Jan 2007 | 30 Jun 2007 |

# 7 Conclusions

The construction phase of the Project was commenced on 28 February 2006. The EM&A programme has been implemented since then, including marine water quality monitoring and environmental site audits. Noise monitoring at Grand Bay Villa was temporarily suspended as these premises were vacant with no resident.

Exceedances of marine water quality were recorded during reporting period. After ET's investigation, almost all exceedances were likely due to construction activities of the Project during the reporting period.

No complaint, summons or prosecution related to environmental issues was received during the reporting month.

Weekly environmental site audit was carried out during the reporting month. Environmental improvements on air quality, water quality and waste management have been recommended.

C&D materials were transported to PFRF at Tuen Mun Area 38 by barge and truck during the reporting period.

# 8 References

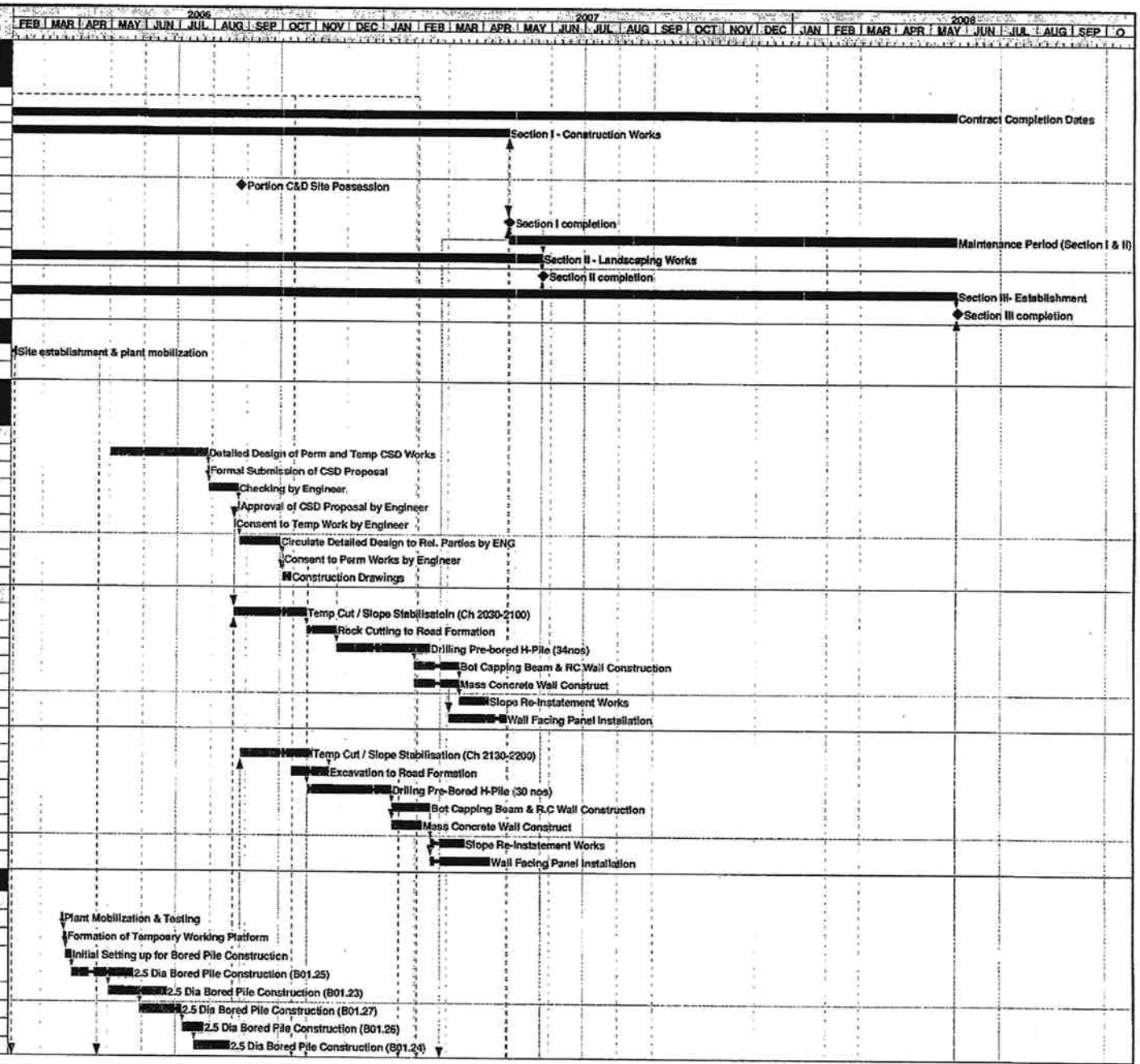
[1] Mouchel Halcrow Joint Venture. January 2006. Supplementary Agreement No.1 – Remaining Project EM&A Manual for Construction of Reclamation West of Tsing Lung Tau.

[2] Ove Arup & Partners Hong Kong Limited. April 2006. Contract No.HY2005/06 Castle Peak Road Improvement – West of Tsing Lung Tau. Environmental Baseline Monitoring Report for Reclamation Works (EP No. EP-219/2005) (Second Issue)

Appendix A

# Construction programme

| Activity ID | Activity Description | Orig Dur | Early Start | Early Finish |
|---|---|---|---|---|
| **GENERAL** | | | | |
| **KEY DATES** | | | | |
| KD0500 | Commencement of Works | 0 | 21/12/05 | |
| KD1000 | Contract Completion Dates | 885 | 21/12/05 | 23/05/08 |
| KD1100 | Section I - Construction Works | 490 | 21/12/05 | 24/04/07 |
| KD1110 | Portion A Site Possession | 0 | 21/12/05 | |
| KD1120 | Portion B Site Possession | 0 | 21/12/05 | |
| KD1130 | Portion C&D Site Possession | 0 | 27/03/06* | |
| KD1140 | Portion E Site Possession | 0 | 21/12/05 | |
| KD1200 | Section I completion | 0 | | 24/04/07 |
| KD1300 | Maintenance Period (Section I & II) | 395 | 25/04/07 | 23/05/08 |
| KD1400 | Section II - Landscaping Works | 520 | 21/12/05 | 24/05/07 |
| KD1500 | Section II completion | 0 | | 24/05/07 |
| KD1600 | Section III- Establishment | 885 | 21/12/05 | 23/05/08 |
| KD1700 | Section III completion | 0 | | 23/05/08 |
| **PRELIMINARIES** | | | | |
| P1000 | Site establishment & plant mobilization | 40 | 21/12/05 | 05/02/06 |
| P1010 | Submit TTM Schematic Drawing (PS1.15S(16)) | 0 | | 20/12/05 |
| **Area 4 Construction(Ch2+030 to Ch2+150)** | | | | |
| **Pre-Bored H-Pile Wall at Both Ends at GL** | | | | |
| Pre-Construction | | | | |
| 4PP0100 | Detailed Design of Perm and Temp CSD Works | 72 | 02/05/06* | 27/07/06 |
| 4PP0110 | Formal Submission of CSD Proposal | 1 | 28/07/06 | 28/07/06 |
| 4PP0120 | Checking by Engineer | 23 | 29/07/06 | 24/08/06 |
| 4PP0130 | Approval of CSD Proposal by Engineer | 1 | 25/08/06 | 25/08/06 |
| 4PP0135 | Consent to Temp Work by Engineer | 1 | 21/08/06 | 21/08/06 |
| 4PP0150 | Circulate Detailed Design to Rel. Parties by ENG | 31 | 26/08/06 | 30/09/06 |
| 4PP0155 | Consent to Perm Works by Engineer | 1 | 03/10/06 | 03/10/06 |
| 4PP0160 | Construction Drawings | 7 | 03/10/06 | 11/10/06 |
| Construction - West Side | | | | |
| A04PP1022 | Temp Cut / Slope Stabilisatoin (Ch 2030-2100) | 55 | 21/08/06 | 25/10/06 |
| A04PP1026 | Rock Cutting to Road Formation | 22 | 26/10/06 | 21/11/06 |
| 4PP1030 | Drilling Pre-bored H-Pile (34nos) | 68 | 22/11/06 | 13/02/07 |
| 4PP1040 | Bot Capping Beam & RC Wall Construction | 30 | 31/01/07 | 12/03/07 |
| 4PP1050 | Mass Concrete Wall Construct | 30 | 31/01/07 | 12/03/07 |
| 4PP1060 | Slope Re-Instatement Works | 22 | 13/03/07 | 07/04/07 |
| 4PP1070 | Wall Facing Panel Installation | 40 | 03/03/07 | 23/04/07 |
| Construction - East Side | | | | |
| 4PP2000 | Temp Cut / Slope Stabilisation (Ch 2130-2200) | 53 | 28/08/06 | 31/10/06 |
| 4PP2020 | Excavation to Road Formation | 28 | 13/10/06 | 15/11/06 |
| 4PP2030 | Drilling Pre-Bored H-Pile (30 nos) | 60 | 27/10/06 | 10/01/07 |
| 4PP2040 | Bot Capping Beam & R.C Wall Construction | 30 | 11/01/07 | 14/02/07 |
| 4PP2100 | Mass Concrete Wall Construct | 24 | 11/01/07 | 07/02/07 |
| 4PP2110 | Slope Re-Instatement Works | 22 | 15/02/07 | 17/03/07 |
| 4PP2120 | Wall Facing Panel Installation | 40 | 15/02/07 | 09/04/07 |
| **Bored Pile Retaining Wall Construction** | | | | |
| Bored Pile Construction - B01.23 - B01.33 | | | | |
| 4BP3000 | Plant Mobilization & Testing | 2 | 20/03/06* | 21/03/06 |
| 4BP3010 | Formation of Tempoary Working Platform | 3 | 22/03/06 | 24/03/06 |
| 4BP3020 | Initial Setting up for Bored Pile Construction | 5 | 24/03/06 | 29/03/06 |
| 4BP3030 | 2.5 Dia Bored Pile Construction (B01.25) | 41 | 30/03/06 | 23/05/06 |
| 4BP3040 | 2.5 Dia Bored Pile Construction (B01.23) | 43 | 02/05/06 | 22/06/06 |
| 4BP3050 | 2.5 Dia Bored Pile Construction (B01.27) | 31 | 30/05/06 | 06/07/06 |
| 4BP3060 | 2.5 Dia Bored Pile Construction (B01.26) | 15 | 08/07/06 | 25/07/06 |
| 4BP3070 | 2.5 Dia Bored Pile Construction (B01.24) | 28 | 18/07/06 | 18/08/06 |




Start Date 21/12/05
Finish Date 23/05/08
Data Date 21/12/05
Run Date 22/05/08 15:00

Early Bar
Progress Bar
Critical Activity

?Primavera Systems, Inc.

CSD2

Chun Wo Construction & Eng. Co. Ltd

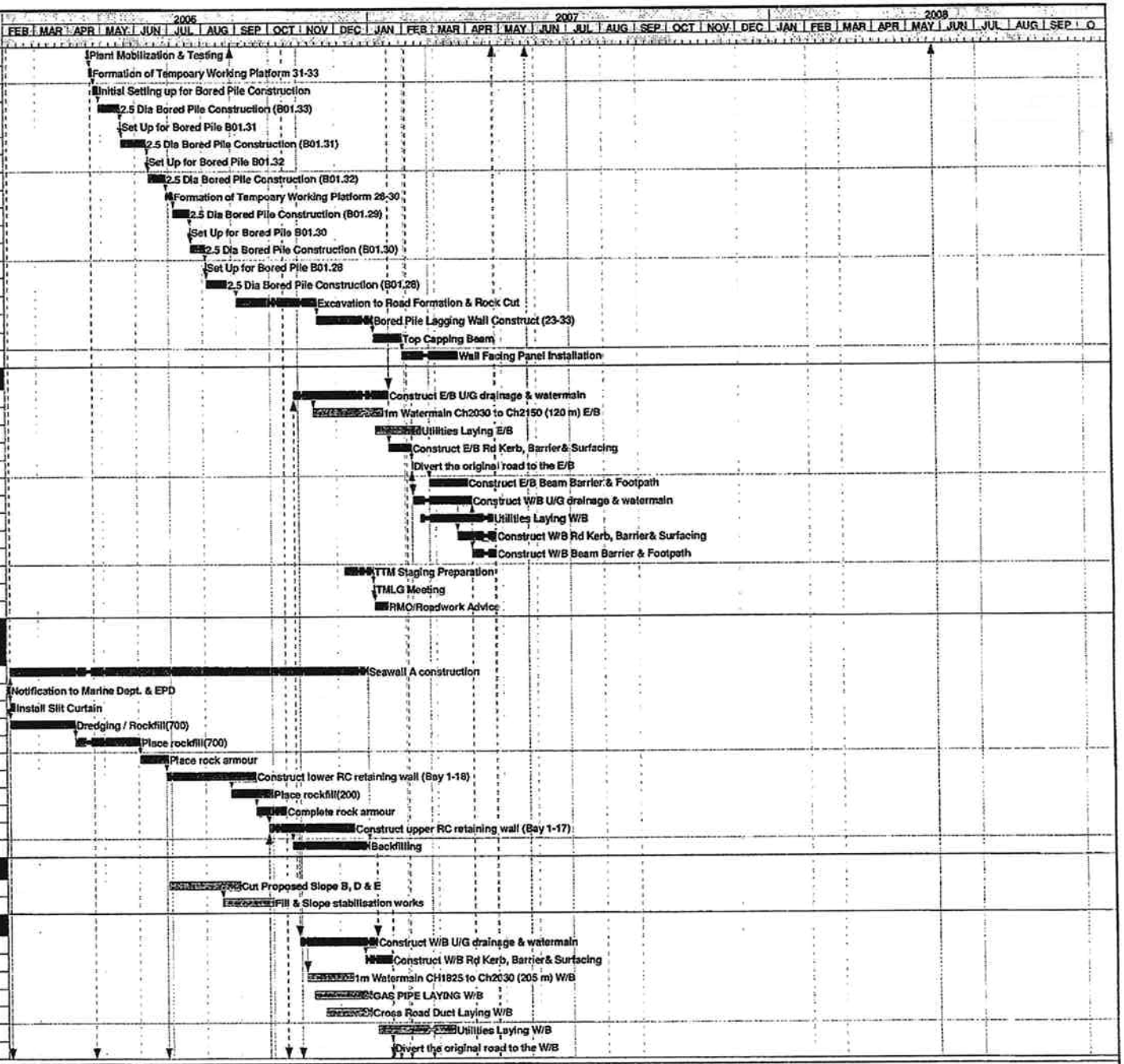
Contract No. HY/2005/06
Castle Peak Road Improvment West of Tsing Lung Tau

CSD Works Programme Rev 1

Sheet 1 of 5

| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03/08/06 | 0 | | |
| 21/08/06 | 1 | | |

| Activity ID | Activity Description | Orig Dur | Early Start | Early Finish |
|---|---|---|---|---|
| 4BP3080 | Plant Mobilization & Testing | 2 | 18/04/06* | 19/04/06 |
| 4BP3090 | Formation of Tempoary Working Platform 31-33 | 3 | 20/04/06 | 22/04/06 |
| 4BP3100 | Initial Setting up for Bored Pile Construction | 5 | 24/04/06 | 28/04/06 |
| 4BP3110 | 2.5 Dia Bored Pile Construction (B01.33) | 15 | 29/04/06 | 18/05/06 |
| 4BP3115 | Set Up for Bored Pile B01.31 | 1 | 19/05/06 | 19/05/06 |
| 4BP3120 | 2.5 Dia Bored Pile Construction (B01.31) | 18 | 20/05/06 | 10/06/06 |
| 4BP3125 | Set Up for Bored Pile B01.32 | 1 | 12/06/06 | 12/06/06 |
| 4BP3130 | 2.5 Dia Bored Pile Construction (B01.32) | 14 | 13/06/06 | 28/06/06 |
| 4BP3131 | Formation of Tempoary Working Platform 28-30 | 5 | 29/06/06 | 05/07/06 |
| 4BP3132 | 2.5 Dia Bored Pile Construction (B01.29) | 13 | 06/07/06 | 20/07/06 |
| 4BP3133 | Set Up for Bored Pile B01.30 | 1 | 21/07/06 | 21/07/06 |
| 4BP3134 | 2.5 Dia Bored Pile Construction (B01.30) | 11 | 22/07/06 | 03/08/06 |
| 4BP3135 | Set Up for Bored Pile B01.28 | 1 | 04/08/06 | 04/08/06 |
| 4BP3136 | 2.5 Dia Bored Pile Construction (B01.28) | 16 | 05/08/06 | 23/08/06 |
| 4BP3150 | Excavation to Road Formation & Rock Cut | 60 | 01/09/06 | 13/11/06 |
| 4BP3160 | Bored Pile Lagging Wall Construct (23-33) | 40 | 14/11/06 | 03/01/07 |
| 4BP3170 | Top Capping Beam | 22 | 04/01/07 | 29/01/07 |
| 4BP3180 | Wall Facing Panel Installation | 40 | 30/01/07 | 22/03/07 |
| **Roadworks Construction** | | | | |
| 4RW4100 | Construct E/B U/G drainage & watermain | 70 | 23/10/06 | 17/01/07 |
| A0UU25900 | 1m Watermain Ch2030 to Ch2150 (120 m) E/B | 50 | 10/11/06 | 11/01/07 |
| A04RW4200 | Utilities Laying E/B | 35* | 06/01/07 | 15/02/07 |
| 4RW4110 | Construct E/B Rd Kerb, Barrier& Surfacing | 18 | 18/01/07 | 07/02/07 |
| 4RW4500 | Divert the original road to the E/B | 1 | 08/02/07 | 08/02/07 |
| 4RW4505 | Construct E/B Beam Barrier & Footpath | 30 | 24/02/07 | 30/03/07 |
| 4RW4600 | Construct W/B U/G drainage & watermain | 40 | 09/02/07 | 02/04/07 |
| A04RW4100 | Utilities Laying W/B | 48* | 15/02/07 | 21/04/07 |
| 4RW4610 | Construct W/B Rd Kerb, Barrier& Surfacing | 26 | 21/03/07 | 24/04/07 |
| 4RW4615 | Construct W/B Beam Barrier & Footpath | 15 | 03/04/07 | 24/04/07 |
| 4RW4620 | TTM Staging Preparation | 19 | 07/12/06 | 02/01/07 |
| 4RW4630 | TMLG Meeting | 1 | 03/01/07 | 03/01/07 |
| 4RW4640 | RMO/Roadwork Advice | 10 | 04/01/07 | 15/01/07 |
| **Area 3 Construction(Ch1+825 to Ch2+030)** | | | | |
| **Seawall A Construction** | | | | |
| 3SWA0500 | Seawall A construction | 266* | 04/02/06 | 27/12/06 |
| 3SWA0600 | Notification to Marine Dept. & EPD | 28 | 07/01/06 | 03/02/06 |
| A03SWA100 | Install Silt Curtain | 4 | 04/02/06 | 08/02/06 |
| 3SWA1000 | Dredging / Rockfill(700) | 50 | 04/02/06 | 03/04/06 |
| 3SWA1100 | Place rockfill(700) | 45 | 04/04/06 | 02/06/06 |
| 3SWA1200 | Place rock armour | 21 | 03/06/06 | 27/06/06 |
| 3SWA1300 | Construct lower RC retaining wall (Bay 1-18) | 70 | 26/06/06 | 15/09/06 |
| 3SWA1400 | Place rockfill(200) | 32 | 25/08/06 | 30/09/06 |
| 3SWA1500 | Complete rock armour | 22 | 16/09/06 | 13/10/06 |
| 3SWA1600 | Construct upper RC retaining wall (Bay 1-17) | 64 | 28/09/06 | 14/12/06 |
| 3SWA1700 | Backfilling | 56 | 19/10/06 | 27/12/06 |
| **Slope Works** | | | | |
| 3SW1000 | Cut Proposed Slope B, D & E | 55 | 28/06/06* | 31/08/06 |
| 3SW2000 | Fill & Slope stabilisation works | 40 | 16/08/06 | 30/09/06 |
| **Roadworks Construction** | | | | |
| 3RW2100 | Construct W/B U/G drainage & watermain | 56 | 25/10/06 | 03/01/07 |
| 3RW2110 | Construct W/B Rd Kerb, Barrier& Surfacing | 18 | 23/12/06 | 16/01/07 |
| A0UU25200 | 1m Watermain CH1825 to Ch2030 (205 m) W/B | 35 | 01/11/06 | 11/12/06 |
| A03RW4200 | GAS PIPE LAYING W/B | 42 | 07/11/06 | 28/12/06 |
| A03RW4100 | Cross Road Duct Laying W/B | 32* | 18/11/06 | 28/12/06 |
| A03RW4000 | Utilities Laying W/B | 56* | 04/01/07 | 15/03/07 |
| 3RW2500 | Divert the original road to the W/B | 1 | 17/01/07 | 17/01/07 |




| | |
|---|---|
| Start Date | 21/12/05 |
| Finish Date | 23/05/08 |
| Data Date | 21/12/05 |
| Run Date | 22/09/06 15:00 |

Early Bar
Progress Bar
Critical Activity

?Primavera Systems, Inc.

CSD2

Sheet 2 of 5

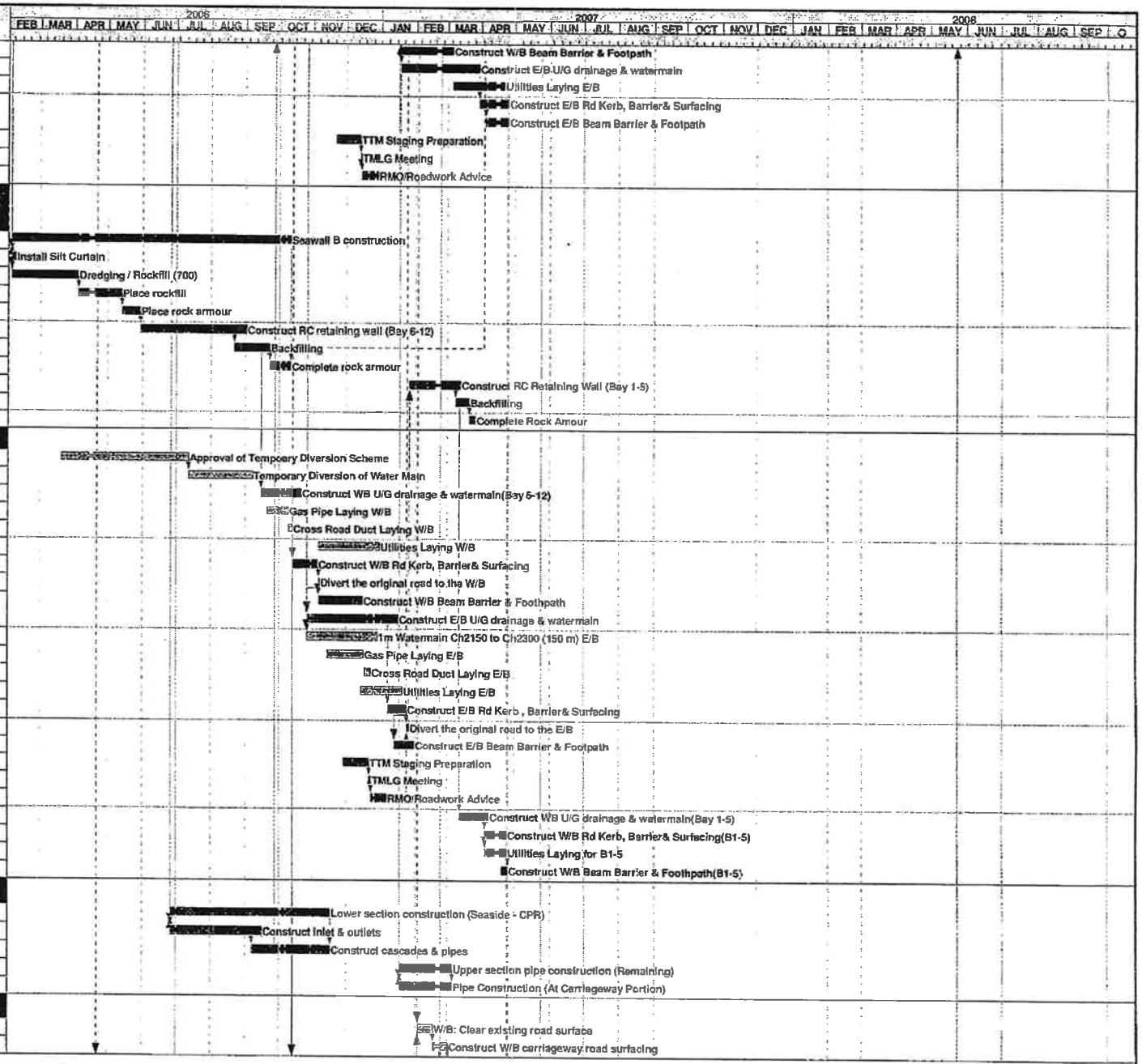
Chun Wo Construction & Eng. Co. Ltd

Contract No. HY/2005/06
Castle Peak Road Improvment West of Tsing Lung Tau

CSD Works Programme Rev 1

| Date | Revision | Checked | Approved |
|---|---|---|---|
| 03/09/06 | 0 | | |
| 21/08/06 | 1 | | |

| Activity ID | Activity Description | Orig Dur | Early Start | Early Finish |
|---|---|---|---|---|
| 3RW2505 | Construct W/B Beam Barrier & Footpath | 35 | 18/01/07 | 05/03/07 |
| 3RW2600 | Construct E/B U/G drainage & watermain | 56 | 18/01/07 | 29/03/07 |
| A03RW4500 | Utilities Laying E/B | 36* | 06/03/07 | 20/04/07 |
| 3RW2605 | Construct E/B Rd Kerb, Barrier& Surfacing | 18 | 30/03/07 | 24/04/07 |
| 3RW2608 | Construct E/B Beam Barrier & Footpath | 14 | 04/04/07 | 24/04/07 |
| 3RW2610 | TTM Staging Preparation | 19 | 21/11/06 | 12/12/06 |
| 3RW2620 | TMLG Meeting | 1 | 13/12/06 | 13/12/06 |
| 3RW2630 | RMO/Roadwork Advice | 10 | 14/12/06 | 28/12/06 |
| **Area 5 Construction(Ch2+150 to Ch2+300)** | | | | |
| **Seawall B Construction** | | | | |
| 2SWB0500 | Seawall B construction | 204* | 04/02/06 | 11/10/06 |
| A02SWB100 | Install Silt Curtain | 3 | 04/02/06 | 07/02/06 |
| 2SWB1000 | Dredging / Rockfill (700) | 50 | 04/02/06 | 03/04/06 |
| 2SWB1100 | Place rockfill | 28 | 04/04/06 | 12/05/06 |
| 2SWB1200 | Place rock armour | 14 | 13/05/06 | 29/05/06 |
| 2SWB1300 | Construct RC retaining wall (Bay 6-12) | 80 | 30/05/06 | 01/09/06 |
| 2SWB1400 | Backfilling | 28 | 22/08/06 | 22/09/06 |
| 2SWB1500 | Complete rock armour | 14 | 23/09/06 | 11/10/06 |
| A02SWB0500 | Construct RC Retaining Wall (Bay 1-5) | 35 | 26/01/07 | 13/03/07 |
| A02SWB1000 | Backfilling | 10 | 09/03/07 | 20/03/07 |
| A02SWB1100 | Complete Rock Armour | 5 | 21/03/07 | 26/03/07 |
| **Roadworks Construction** | | | | |
| A02RW0100 | Approval of Tempoary Diversion Scheme | 90 | 20/03/06* | 11/07/06 |
| A02RW0500 | Temporary Diversion of Water Main | 50 | 12/07/06 | 07/09/06 |
| 2RW3000 | Construct WB U/G drainage & watermain(Bay 6-12) | 30 | 15/09/06 | 21/10/06 |
| A02RW1900 | Gas Pipe Laying W/B | 14 | 21/09/06 | 09/10/06 |
| A02RW1800 | Cross Road Duct Laying W/B | 4* | 10/10/06 | 13/10/06 |
| A02RW1600 | Utilities Laying W/B | 45* | 06/11/06 | 30/12/06 |
| 2RW3010 | Construct W/B Rd Kerb, Barrier& Surfacing | 18 | 14/10/06 | 04/11/06 |
| 2RW3501 | Divert the original road to the W/B | 1 | 06/11/06 | 06/11/06 |
| 2RW3510 | Construct W/B Beam Barrier & Foothpath | 35 | 06/11/06 | 15/12/06 |
| 2RW3600 | Construct E/B U/G drainage & watermain | 65 | 27/10/06 | 16/01/07 |
| A0UU26000 | 1m Watermain Ch2150 to Ch2300 (150 m) E/B | 50 | 27/10/06 | 28/12/06 |
| A02RW2100 | Gas Pipe Laying E/B | 28 | 15/11/06 | 16/12/06 |
| A02RW2000 | Cross Road Duct Laying E/B | 4* | 18/12/06 | 22/12/06 |
| A02RW1700 | Utilities Laying E/B | 28* | 15/12/06 | 20/01/07 |
| 2RW3610 | Construct E/B Rd Kerb , Barrier& Surfacing | 15 | 09/01/07 | 24/01/07 |
| 2RW3500 | Divert the original road to the E/B | 1 | 25/01/07 | 25/01/07 |
| 2RW3620 | Construct E/B Beam Barrier & Footpath | 15 | 13/01/07 | 30/01/07 |
| 2RW3700 | TTM Staging Preparation | 19 | 29/11/06 | 21/12/06 |
| 2RW3710 | TMLG Meeting | 1 | 22/12/06 | 22/12/06 |
| 2RW3720 | RMO/Roadwork Advice | 10 | 23/12/06 | 06/01/07 |
| A02RW1100 | Construct WB U/G drainage & watermain(Bay 1-5) | 22 | 13/03/07 | 07/04/07 |
| A02RW1300 | Construct W/B Rd Kerb, Barrier& Surfacing(B1-5) | 13 | 04/04/07 | 23/04/07 |
| A02RW1200 | Utilities Laying for B1-5 | 13 | 04/04/07 | 23/04/07 |
| A02RW1400 | Construct W/B Beam Barrier & Foothpath(B1-5) | 5 | 19/04/07 | 24/04/07 |
| **OUTFALL EA & EB CONSTRUCTION** | | | | |
| 3OF1000 | Lower section construction (Seaside - CPR) | 120* | 26/06/06 | 16/11/06 |
| 3OF1100 | Construct inlet & outlets | 70 | 26/06/06 | 15/09/06 |
| 3OF1200 | Construct cascades & pipes | 58 | 07/09/06 | 16/11/06 |
| 3OF2000 | Upper section pipe construction (Remaining) | 35* | 18/01/07 | 05/03/07 |
| 3OF2100 | Pipe Construction (At Carriageway Portion) | 35 | 18/01/07 | 05/03/07 |
| **Area 1 Construction (Ch1+600 to Ch1+705)** | | | | |
| 5RW0500 | W/B: Clear existing road surface | 12 | 03/02/07 | 16/02/07 |
| 5RW1500 | Construct W/B carriageway road surfacing | 6 | 17/02/07 | 01/03/07 |




Start Date 21/12/05
Finish Date 23/05/08
Data Date 21/12/05
Run Date 22/08/06 15:00

?Primavera Systems, Inc.

Early Bar
Progress Bar
Critical Activity

CSD2

Sheet 3 of 5

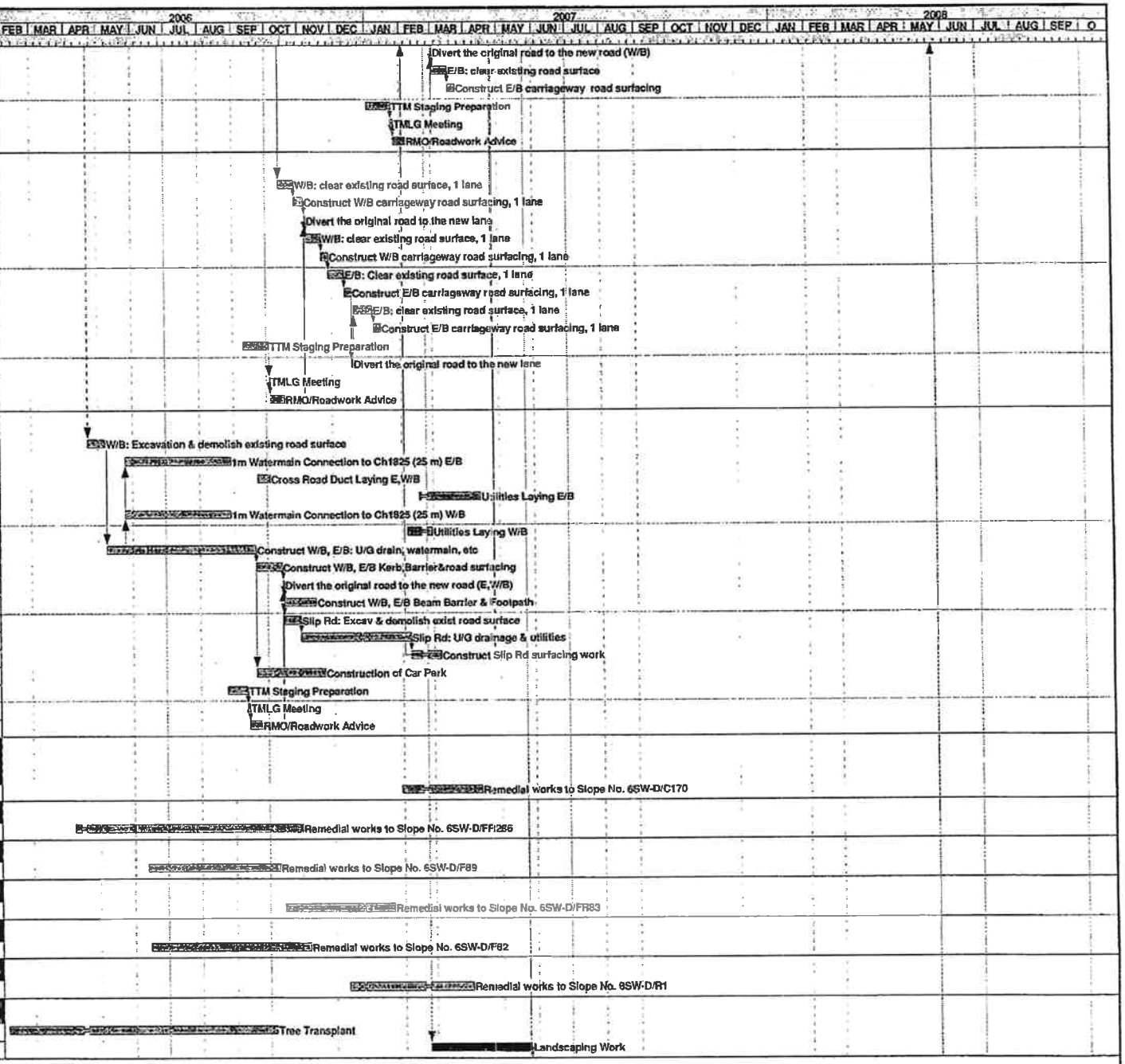
Chun Wo Construction & Eng. Co, Ltd

Contract No. HY/2005/06
Castle Peak Road Improvment West of Tsing Lung Tau

CSD Works Programme Rev 1

| Date | Revision | Checked | Approved |
|---|---|---|---|
| 02/08/06 | 0 | | |
| 21/08/06 | 1 | | |

| Activity ID | Activity Description | Orig Dur | Early Start | Early Finish |
|---|---|---|---|---|
| 5RW2000 | Divert the original road to the new road (W/B) | 1 | 02/03/07 | 02/03/07 |
| 5RW2500 | E/B: clear existing road surface | 12 | 03/03/07 | 16/03/07 |
| 5RW3500 | Construct E/B carriageway road surfacing | 6 | 17/03/07 | 23/03/07 |
| 5RW3510 | TTM Staging Preparation | 19 | 03/01/07 | 24/01/07 |
| 5RW3520 | TMLG Meeting | 1 | 25/01/07 | 25/01/07 |
| 5RW3530 | RMO/Roadwork Advice | 10 | 26/01/07 | 06/02/07 |
| **Area 6 Construction(Ch2+300 to Ch2+400)** | | | | |
| 6RW0500 | W/B: clear existing road surface, 1 lane | 12 | 14/10/06 | 27/10/06 |
| 6RW1500 | Construct W/B carriageway road surfacing, 1 lane | 6 | 28/10/06 | 04/11/06 |
| 6RW2000 | Divert the original road to the new lane | 1 | 06/11/06 | 06/11/06 |
| 6RW2100 | W/B: clear existing road surface, 1 lane | 12 | 07/11/06 | 20/11/06 |
| 6RW2200 | Construct W/B carriageway road surfacing, 1 lane | 6 | 21/11/06 | 27/11/06 |
| 6RW2500 | E/B: Clear existing road surface, 1 lane | 12 | 28/11/06 | 11/12/06 |
| 6RW3500 | Construct E/B carriageway road surfacing, 1 lane | 6 | 12/12/06 | 18/12/06 |
| 6RW3501 | E/B: clear existing road surface, 1 lane | 12 | 21/12/06 | 06/01/07 |
| 6RW3502 | Construct E/B carriageway road surfacing, 1 lane | 6 | 08/01/07 | 13/01/07 |
| 6RW3510 | TTM Staging Preparation | 19 | 11/09/06 | 03/10/06 |
| 6RW3511 | Divert the original road to the new lane | 1 | 19/12/06 | 19/12/06 |
| 6RW3520 | TMLG Meeting | 1 | 04/10/06 | 04/10/06 |
| 6RW3530 | RMO/Roadwork Advice | 10 | 05/10/06 | 17/10/06 |
| **Area 2 Construction(Ch1+705 to Ch1+825)** | | | | |
| 1RW0500 | W/B: Excavation & demolish existing road surface | 12 | 21/04/06* | 06/05/06 |
| A0UU25700 | 1m Watermain Connection to Ch1825 (25 m) E/B | 80 | 25/05/06 | 28/08/06 |
| A01RW0800 | Cross Road Duct Laying E,W/B | 8 | 23/09/06 | 03/10/06 |
| A01RW0600 | Utilities Laying E/B | 42* | 17/02/07 | 13/04/07 |
| A0UU26100 | 1m Watermain Connection to Ch1825 (25 m) W/B | 80 | 25/05/06 | 28/08/06 |
| A01RW0700 | Utilities Laying W/B | 14* | 06/02/07 | 27/02/07 |
| 1RW1000 | Construct W/B, E/B: U/G drain, watermain, etc | 115 | 08/05/06 | 20/09/06 |
| 1RW1500 | Construct W/B, E/B Kerb,Barrier&road surfacing | 19 | 21/09/06 | 14/10/06 |
| 1RW2000 | Divert the original road to the new road (E,W/B) | 1 | 16/10/06 | 16/10/06 |
| 1RW2010 | Construct W/B, E/B Beam Barrier & Footpath | 24 | 17/10/06 | 14/11/06 |
| 1RW2500 | Slip Rd: Excav & demolish exist road surface | 12 | 17/10/06 | 31/10/06 |
| 1RW3000 | Slip Rd: U/G drainage & utilities | 82 | 01/11/06 | 08/02/07 |
| 1RW3500 | Construct Slip Rd surfacing work | 18 | 09/02/07 | 07/03/07 |
| A01RW0500 | Construction of Car Park | 50 | 21/09/06 | 21/11/06 |
| 1RW3510 | TTM Staging Preparation | 15 | 26/08/06 | 12/09/06 |
| 1RW3520 | TMLG Meeting | 1 | 13/09/06 | 13/09/06 |
| 1RW3530 | RMO/Roadwork Advice | 10 | 14/09/06 | 25/09/06 |
| **Slope Remedial Works** | | | | |
| **Remedial Work 6SW-D/C170** | | | | |
| SW3000 | Remedial works to Slope No. 6SW-D/C170 | 57* | 30/01/07 | 12/04/07 |
| **Remedial Work 6SW-D/FR286** | | | | |
| SW3500 | Remedial works to Slope No. 6SW-D/FR286 | 187* | 08/04/06 | 31/10/06 |
| **Remedial Work 6SW-D/F89** | | | | |
| SW4000 | Remedial works to Slope No. 6SW-D/F89 | 100* | 13/06/06 | 10/10/06 |
| **Remedial Work 6SW-D/FR83** | | | | |
| SW5000 | Remedial works to Slope No. 6SW-D/FR83 | 80* | 16/10/06 | 22/01/07 |
| **Remedial Work 6SW-D/F82** | | | | |
| SW5500 | Remedial works to Slope No. 6SW-D/F82 | 120* | 15/06/06 | 06/11/06 |
| **Remedial Work 6SW-D/R1** | | | | |
| SW6000 | Remedial works to Slope No. 6SW-D/R1 | 87* | 12/12/06 | 02/04/07 |
| **Section II - Landscaping Works** | | | | |
| A0LW1000 | Tree Transplant | 200 | 06/02/06* | 06/10/06 |
| LW1000 | Landscaping Work | 90 | 24/02/07 | 24/05/07 |




Start Date 21/12/05
Finish Date 23/05/08
Data Date 21/12/06
Run Date 22/08/07 15:00

Early Bar
Progress Bar
Critical Activity

?Primavera Systems, Inc.

CSD2 Sheet 4 of 5

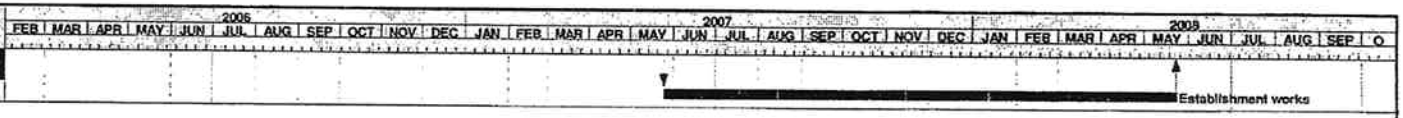
Chun Wo Construction & Eng. Co. Ltd

Contract No. HY/2005/06
Castle Peak Road Improvment West of Tsing Lung Tau

CSD Works Programme Rev 1

| Date | Revision | Checked | Approved |
|---|---|---|---|
| 02/08/06 | 0 | | |
| 21/08/06 | 1 | | |

| Activity ID | Activity Description | Orig Dur | Early Start | Early Finish |
|---|---|---|---|---|
| **Section III - Establishment Period** | | | | |
| EP1000 | Establishment works | 365 | 25/05/07 | 23/05/08 |




| | |
|---|---|
| Start Date | 21/12/05 |
| Finish Date | 23/05/08 |
| Data Date | 21/12/05 |
| Run Date | 22/08/06 15:00 |

?Primavera Systems, Inc.

Early Bar
Progress Bar
Critical Activity

CSD2

Sheet 5 of 5

Chun Wo Construction & Eng. Co. Ltd

Contract No. HY/2005/06
Castle Peak Road Improvment West of Tsing Lung Tau

CSD Works Programme Rev 1

| Date | Revision | Checked | Approved |
|---|---|---|---|
| 22/09/06 | 0 | | |
| 21/08/06 | 1 | | |
| | | | |
| | | | |
| | | | |
| | | | |

Appendix B

**Monitoring schedule for March 2007 and April 2007**

# Environmental Monitoring and Audit Schedule - March 2007

Note 1: **L30** denotes $L_{eq(30\ min)}$ monitoring
Note 2: **TSP** denotes Total Suspended Particulate monitoring
Note 3: **MW** denotes marine water monitoring
Note 4: **L&V** denotes Landscape and Visual audit and monitoring

| Mar-2007 | | | | | | |
|---|---|---|---|---|---|---|
| **Sunday** | **Monday** | **Tuesday** | **Wednesday** | **Thursday** | **Friday** | **Saturday** |
| | | | | 1 Site Inspection | 2 MW | 3 |
| 4 | 5 MW | 6 | 7 MW | 8 Site Inspection | 9 MW | 10 |
| 11 | 12 MW | 13 | 14 MW | 15 | 16 Site Inspection MW | 17 |
| 18 | 19 MW | 20 | 21 MW | 22 Site Inspection | 23 MW | 24 |
| 25 | 26 MW | 27 | 28 MW | 29 Site Inspection | 30 MW | 31 |

# Tentative Environmental Monitoring and Audit Schedule - April 2007

Note 1: **L30** denotes $L_{eq(30\ min)}$ monitoring
Note 2: **TSP** denotes Total Suspended Particulate monitoring
Note 3: **MW** denotes marine water monitoring
Note 4: **L&V** denotes Landscape and Visual audit and monitoring

## Apr-2007

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|---|---|---|---|---|---|---|
| 1 | 2<br>MW | 3 | 4<br>Site Inspection<br>MW | 5 | 6 | 7 |
| 8 | 9 | 10<br>MW | 11<br>Site Inspection | 12<br>MW | 13 | 14<br>MW |
| 15 | 16<br>MW | 17 | 18<br>Site Inspection<br>MW | 19 | 20<br>MW | 21 |
| 22 | 23<br>MW | 24 | 25<br>Site Inspection<br>MW | 26 | 27<br>MW | 28 |
| 29 | 30<br>MW | | | | | |

G:\env\project\24583\others\Schedule\Submission Plan (24583).xls\2007-04 (for marine)

Appendix C

# Calibration certificates of marine water monitoring equipment

**Hong Kong Productivity Council**
**香港生產力促進局**

**Environmental Management Division**

# CALIBRATION REPORT

Client : OVE ARUP & PARTNERS H.K. LTD.
Address : Level 5 Festival Walk,
80 Tat Chee Avenue,
Kowloon Tong,
Kowloon.

Report No. : CR 000077
Page No. : 1 of 5
Issue Date : 01/02/2007

Received Date : 24/01/2007
Approved Signatory : Fung Kam Wing
Remarks :

Completion Date : 25/01/2007

## Calibration Results:

Item : YSI Model 85-10 FT Handheld Salinity, Conductivity & Temperature Instrument

Serial No. : 99 G0526 AB

Calibration Method : APHA 18e 2520 A & B

Date of Calibration : 25/01/2007

Results :

**Salinity**

| Expected Reading (ppt) | Recorded Reading (ppt) |
|---|---|
| 0 | 0 |
| 7.4 | 7.4 |
| 15 | 14.7 |
| 35 | 33.2 |
| 39.3 | 37.2 |

**Approval Signatory:**

**Hong Kong Head Office** TST P.O. Box 99027 Hong Kong • HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong
Tel: (852) 2788 5678 • Fax: (852) 2788 5900 • Telex: 32842 HKPC HX
**香港總部** 香港尖沙咀郵政信箱99027號 • 香港九龍達之路78號生產力大樓

**Hong Kong Productivity Council**
**香港生產力促進局**

**Environmental Management Division**

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Report No. : CR 000077
Page No. : 2 of 5
Issue Date : 01/02/2007

Received Date : 24/01/2007
Approved Signatory : Fung Kam Wing
Remarks :

Completion Date : 25/01/2007

## Calibration Results:

Item : YSI Model 85-10 FT Handheld Salinity, Conductivity & Temperature Instrument

Serial No. : 99 G0526 AB

Calibration Method : In house method

Date of Calibration : 25/01/2007

Results :

**Temperature**

| Expected Reading (°C) | Recorded Reading (°C) |
|---|---|
| 10.0 | 10.1 |
| 20.0 | 20.5 |
| 30.0 | 30.7 |
| 40.0 | 40.9 |

**Approval Signatory:**

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**香港總部** 香港尖沙咀郵政信箱99027號 • 香港九龍達之路78號生產力大樓

**Hong Kong Productivity Council**
**香港生產力促進局**

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Report No. : CR 000077
Page No. : 3 of 5
Issue Date : 01/02/2007

Received Date : 24/01/2007
Approved Signatory : Fung Kam Wing
Remarks :

Completion Date : 25/01/2007

## Calibration Results:

Item : YSI Model 85-10 FT Handheld Salinity, Conductivity & Temperature Instrument

Serial No. : 99 G0526 AB

Calibration Method : APHA 18e 4500-O A, B, C & D

Date of Calibration : 24/01/2007

Results :

**Dissolved Oxygen**

| Expected Reading (mg/L) | Recorded Reading (mg/L) |
|---|---|
| 3.44 | 3.70 |
| 4.83 | 4.90 |
| 5.81 | 5.90 |
| 6.90 | 7.15 |
| 9.12 | 9.35 |

**Approval Signatory:**

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Tel: (852) 2788 5678 • Fax: (852) 2788 5900 • Telex: 32842 HKPC HX
**香港總部** 香港尖沙咀郵政信箱99027號 • 香港九龍達之路78號生產力大樓

**Hong Kong Productivity Council**
**香港生產力促進局**

**Environmental Management Division**

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Client : OVE ARUP & PARTNERS H.K. LTD.
Address : Level 5 Festival Walk,
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Kowloon Tong,
Kowloon.

Report No. : CR 000077
Page No. : 4 of 5
Issue Date : 01/02/2007

Received Date : 24/01/2007
Approved Signatory : Fung Kam Wing
Remarks :

Completion Date : 25/01/2007

## Calibration Results:

Item : HACH 2100P Turbidimeter

Serial No. : 011100024354

Calibration Method : APHA 18e 2130 B

Date of Calibration : 25/01/2007

Results :

**Turbidity**

| Expected Reading (NTU) | Recorded Reading (NTU) |
|---|---|
| 0 | 0.15 |
| 2 | 1.98 |
| 4 | 4.06 |
| 16 | 15.5 |
| 40 | 38.2 |
| 80 | 77.6 |

**Approval Signatory:**

**Hong Kong Head Office** TST P.O. Box 99027 Hong Kong • HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong
Tel: (852) 2788 5678 • Fax: (852) 2788 5900 • Telex: 32842 HKPC HX
**香港總部** 香港尖沙咀郵政信箱99027號 • 香港九龍達之路78號生產力大樓

**Hong Kong Productivity Council**
**香港生產力促進局**

**Environmental Management Division**

# CALIBRATION REPORT

Client : OVE ARUP & PARTNERS H.K. LTD.
Address : Level 5 Festival Walk,
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Kowloon.

Report No. : CR 000077
Page No. : 5 of 5
Issue Date : 01/02/2007

Received Date : 24/01/2007
Approved Signatory : Fung Kam Wing
Remarks :

Completion Date : 25/01/2007

## Calibration Results:

Item : HANNA instrument HI 98128 membrane pH meter

Serial No. : 1377140

Calibration Method : In house method

Date of Calibration : 24/01/2007

Results :

**pH**

| Expected Reading (pH unit) | Recorded Reading (pH unit) |
|---|---|
| 4.00 | 4.05 |
| 7.00 | 7.05 |
| 10.0 | 10.09 |

**Approval Signatory:**

**Hong Kong Head Office** TST P.O. Box 99027 Hong Kong • HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong
Tel: (852) 2788 5678 • Fax: (852) 2788 5900 • Telex: 32842 HKPC HX
**香港總部** 香港尖沙咀郵政信箱99027號 • 香港九龍達之路78號生產力大樓

Appendix D

# Marine water quality monitoring results

| Lab ID | Location | Position | Tide | Sampling Date | Time | Water depth, m | Temp. °C | DO, mg/L (1) | DO, mg/L (2) | DO, Average value | DO, % saturation (1) | DO, % saturation (2) | pH, Unit | Salinity, ppt | Turbidity, NTU (1) | Turbidity, NTU (2) | NTU, Averaged Value | Suspended Solid, mg/L | SS, Averaged Value |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | WWA1 | S | MID-EBB | 2-Mar-07 | | | 21.9 | 5.56 | 5.53 | | 72.3 | 71.9 | 7.9 | 32.4 | 2.3 | 3.0 | | 14.0 | |
| 2 | WWA1 | M | MID-EBB | 2-Mar-07 | 14:32 | 6.60 | 21.6 | 5.43 | 5.42 | 5.49 | 80.2 | 79.5 | 7.9 | 32.5 | 2.8 | 2.8 | | 10.5 | |
| 3 | WWA1 | B | MID-EBB | 2-Mar-07 | | | 21.5 | 5.71 | 5.73 | 5.72 | 79.0 | 78.0 | 7.9 | 32.5 | 3.2 | 3.4 | 2.9 | 18.0 | 14.2 |
| 4 | WWA2 | S | MID-EBB | 2-Mar-07 | | | 22.4 | 6.02 | 6.00 | | 78.4 | 78.5 | 7.9 | 32.1 | 2.9 | 2.9 | | 8.0 | |
| 5 | WWA2 | M | MID-EBB | 2-Mar-07 | 14:47 | 7.10 | 21.7 | 5.79 | 5.80 | 5.90 | 79.4 | 78.7 | 7.9 | 32.4 | 3.1 | 3.1 | | 18.5 | |
| 6 | WWA2 | B | MID-EBB | 2-Mar-07 | | | 21.5 | 6.02 | 6.00 | 6.01 | 83.7 | 83.2 | 7.9 | 32.5 | 3.2 | 3.1 | 3.1 | 10.0 | 12.2 |
| 7 | WWA3 | S | MID-EBB | 2-Mar-07 | | | 21.4 | 5.79 | 5.80 | | 80.6 | 80.2 | 7.9 | 32.9 | 2.1 | 2.2 | | 8.0 | |
| 8 | WWA3 | M | MID-EBB | 2-Mar-07 | 15:00 | 6.50 | 21.5 | 5.56 | 5.54 | 5.67 | 78.4 | 77.9 | 7.9 | 32.1 | 1.9 | 1.9 | | 15.0 | |
| 9 | WWA3 | B | MID-EBB | 2-Mar-07 | | | 21.4 | 5.61 | 5.60 | 5.61 | 78.2 | 77.1 | 7.9 | 32.5 | 2.1 | 2.1 | 2.0 | 9.0 | 10.7 |
| 10 | WRA1 | S | MID-EBB | 2-Mar-07 | | | 21.4 | 5.92 | 5.89 | | 78.5 | 78.4 | 7.9 | 32.3 | 1.2 | 1.5 | | 9.5 | |
| 11 | WRA1 | M | MID-EBB | 2-Mar-07 | 14:20 | 31.60 | 21.5 | 5.89 | 5.88 | 5.90 | 80.3 | 80.2 | 7.9 | 32.4 | 3.2 | 3.4 | | 16.5 | |
| 12 | WRA1 | B | MID-EBB | 2-Mar-07 | | | 21.5 | 5.86 | 5.90 | 5.88 | 81.6 | 81.2 | 7.9 | 32.5 | 2.8 | 2.9 | 2.5 | 6.5 | 10.8 |
| 13 | WRA2 | S | MID-EBB | 2-Mar-07 | | | 21.6 | 5.48 | 5.48 | | 76.5 | 75.8 | 7.9 | 32.2 | 3.1 | 3.1 | | 6.5 | |
| 14 | WRA2 | M | MID-EBB | 2-Mar-07 | 14:06 | 33.90 | 21.3 | 6.08 | 6.02 | 5.77 | 73.0 | 72.9 | 7.9 | 32.5 | 2.8 | 2.9 | | 8.0 | |
| 15 | WRA2 | B | MID-EBB | 2-Mar-07 | | | 21.2 | 5.99 | 5.98 | 5.99 | 83.9 | 83.1 | 7.9 | 31.6 | 3.2 | 3.3 | 3.1 | 8.5 | 7.7 |
| 16 | WRA3 | S | MID-EBB | 2-Mar-07 | | | 21.6 | 5.91 | 5.90 | | 81.1 | 80.7 | 7.9 | 32.3 | 3.1 | 3.2 | | 8.5 | |
| 17 | WRA3 | M | MID-EBB | 2-Mar-07 | 13:53 | 31.30 | 21.2 | 5.71 | 5.72 | 5.81 | 79.1 | 78.7 | 7.9 | 32.5 | 2.7 | 2.8 | | 12.0 | |
| 18 | WRA3 | B | MID-EBB | 2-Mar-07 | | | 21.1 | 5.90 | 5.89 | 5.90 | 83.4 | 82.2 | 7.9 | 32.7 | 2.6 | 2.5 | 2.8 | 8.5 | 9.7 |
| 19 | WWFCZ1 | S | MID-EBB | 2-Mar-07 | | | 21.8 | 5.49 | 5.52 | | 77.7 | 77.0 | 7.9 | 32.2 | 3.6 | 3.6 | | 11.0 | |
| 20 | WWFCZ1 | M | MID-EBB | 2-Mar-07 | 13:13 | 41.20 | 21.6 | 5.60 | 5.56 | 5.54 | 77.2 | 75.4 | 7.9 | 32.3 | 4.2 | 4.3 | | 7.0 | |
| 21 | WWFCZ1 | B | MID-EBB | 2-Mar-07 | | | 21.5 | 5.78 | 5.75 | 5.77 | 82.3 | 80.1 | 7.9 | 32.6 | 3.3 | 3.1 | 3.7 | 13.0 | 10.3 |
| 22 | WWFCZ2 | S | MID-EBB | 2-Mar-07 | | | 21.6 | 5.71 | 5.65 | | 86.0 | 83.6 | 7.9 | 32.4 | 3.1 | 3.1 | | 7.5 | |
| 23 | WWFCZ2 | M | MID-EBB | 2-Mar-07 | 13:27 | 40.50 | 21.3 | 5.55 | 5.50 | 5.60 | 80.3 | 78.4 | 7.9 | 32.5 | 2.8 | 3.0 | | 17.0 | |
| 24 | WWFCZ2 | B | MID-EBB | 2-Mar-07 | | | 21.2 | 5.65 | 5.69 | 5.67 | 76.6 | 76.2 | 7.9 | 32.5 | 3.4 | 3.5 | 3.1 | 10.0 | 11.5 |
| 25 | WFCZR1 | S | MID-EBB | 2-Mar-07 | | | 21.7 | 5.75 | 5.78 | | 78.6 | 78.2 | 7.9 | 32.3 | 3.1 | 3.1 | | 10.0 | |
| 26 | WFCZR1 | M | MID-EBB | 2-Mar-07 | 13:00 | 39.10 | 21.5 | 5.81 | 5.76 | 5.78 | 76.1 | 76.0 | 7.9 | 32.5 | 3.7 | 3.7 | | 9.0 | |
| 27 | WFCZR1 | B | MID-EBB | 2-Mar-07 | | | 21.3 | 5.82 | 5.76 | 5.79 | 81.5 | 81.1 | 7.9 | 32.5 | 3.0 | 2.8 | 3.2 | 7.5 | 8.8 |
| 28 | WFCZR2 | S | MID-EBB | 2-Mar-07 | | | 21.7 | 5.61 | 5.57 | | 80.2 | 79.3 | 7.9 | 32.3 | 3.1 | 3.1 | | 9.5 | |
| 29 | WFCZR2 | M | MID-EBB | 2-Mar-07 | 13:40 | 40.70 | 21.4 | 5.50 | 5.41 | 5.52 | 75.3 | 75.0 | 7.9 | 32.3 | 3.1 | 3.2 | | 5.0 | |
| 30 | WFCZR2 | B | MID-EBB | 2-Mar-07 | | | 21.3 | 5.55 | 5.52 | 5.54 | 77.9 | 77.0 | 7.9 | 32.2 | 2.8 | 2.8 | 3.0 | 8.5 | 7.7 |
| 31 | WWA1 | S | MID-FLOOD | 2-Mar-07 | | | 21.2 | 5.76 | 5.71 | | 83.3 | 82.2 | 7.9 | 32.6 | 2.5 | 2.5 | | 8.0 | |
| 32 | WWA1 | M | MID-FLOOD | 2-Mar-07 | 9:54 | 6.80 | 21.3 | 5.68 | 5.64 | 5.69 | 86.9 | 85.3 | 7.9 | 32.7 | 2.8 | 2.7 | | 10.5 | |
| 33 | WWA1 | B | MID-FLOOD | 2-Mar-07 | | | 21.2 | 5.70 | 5.61 | 5.66 | 80.1 | 79.2 | 7.9 | 32.7 | 3.1 | 3.1 | 2.8 | 11.5 | 10.0 |
| 34 | WWA2 | S | MID-FLOOD | 2-Mar-07 | | | 21.4 | 5.56 | 5.59 | | 76.2 | 76.1 | 7.9 | 32.6 | 2.9 | 2.8 | | 25.0 | |
| 35 | WWA2 | M | MID-FLOOD | 2-Mar-07 | 10:06 | 7.30 | 21.5 | 5.61 | 5.60 | 5.59 | 79.2 | 78.6 | 7.9 | 32.6 | 2.9 | 2.8 | | 25.5 | |
| 36 | WWA2 | B | MID-FLOOD | 2-Mar-07 | | | 21.5 | 5.55 | 5.37 | 5.46 | 75.2 | 74.9 | 7.9 | 32.7 | 3.0 | 3.0 | 2.9 | 26.0 | 25.5 |
| 37 | WWA3 | S | MID-FLOOD | 2-Mar-07 | | | 21.5 | 5.49 | 5.47 | | 78.1 | 77.7 | 7.9 | 32.6 | 3.1 | 3.1 | | 5.5 | |
| 38 | WWA3 | M | MID-FLOOD | 2-Mar-07 | 10:18 | 6.90 | 21.7 | 5.53 | 5.51 | 5.50 | 80.1 | 79.0 | 7.9 | 32.7 | 3.2 | 3.2 | | 11.0 | |
| 39 | WWA3 | B | MID-FLOOD | 2-Mar-07 | | | 21.4 | 5.62 | 5.60 | 5.61 | 78.4 | 78.3 | 7.9 | 32.7 | 3.3 | 3.3 | 3.2 | 9.0 | 8.5 |
| 40 | WRA1 | S | MID-FLOOD | 2-Mar-07 | | | 21.4 | 5.55 | 5.52 | | 80.7 | 80.0 | 7.9 | 32.0 | 3.2 | 3.3 | | 9.0 | |
| 41 | WRA1 | M | MID-FLOOD | 2-Mar-07 | 9:43 | 32.50 | 21.3 | 5.50 | 5.52 | 5.52 | 77.0 | 76.4 | 7.9 | 32.6 | 2.5 | 2.5 | | 13.0 | |
| 42 | WRA1 | B | MID-FLOOD | 2-Mar-07 | | | 21.1 | 6.02 | 6.03 | 6.03 | 82.4 | 82.3 | 7.9 | 32.8 | 2.8 | 2.8 | 2.8 | 12.0 | 11.3 |
| 43 | WRA2 | S | MID-FLOOD | 2-Mar-07 | | | 21.3 | 5.42 | 5.39 | | 74.0 | 74.3 | 7.9 | 32.7 | 2.5 | 2.5 | | 12.5 | |
| 44 | WRA2 | M | MID-FLOOD | 2-Mar-07 | 9:30 | 34.10 | 21.3 | 5.89 | 5.87 | 5.64 | 82.0 | 81.1 | 7.9 | 32.7 | 2.6 | 2.8 | | 18.5 | |
| 45 | WRA2 | B | MID-FLOOD | 2-Mar-07 | | | 21.3 | 5.96 | 5.95 | 5.96 | 80.5 | 80.0 | 7.9 | 32.8 | 2.9 | 2.9 | 2.7 | 10.0 | 13.7 |



**HY/2005/06 Castle Peak Road Improvement - West of Tsing Lung Tau – Environmental Monitoring & Audit Service**
**Marine Water Quality Impact Monitoring - March 2007**

| Lab ID | Location | Position | Tide | Sampling Date | Time | Water depth, m | Temp. °C | DO, mg/L (1) | DO, mg/L (2) | DO, Average value | DO, % saturation (1) | DO, % saturation (2) | pH, Unit | Salinity, ppt | Turbidity, NTU (1) | Turbidity, NTU (2) | NTU, Averaged Value | Suspended Solid, mg/L | SS, Averaged Value |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46 | WRA3 | S | MID-FLOOD | 2-Mar-07 | | | 21.3 | 5.50 | 5.52 | | 73.2 | 73.3 | 7.9 | 32.8 | 2.5 | 2.5 | | 12.5 | |
| 47 | WRA3 | M | MID-FLOOD | 2-Mar-07 | 9:18 | 32.70 | 21.5 | 5.91 | 5.92 | 5.71 | 77.7 | 78.3 | 7.9 | 32.7 | 2.8 | 2.8 | | 15.0 | |
| 48 | WRA3 | B | MID-FLOOD | 2-Mar-07 | | | 21.3 | 5.68 | 5.70 | 5.69 | 78.5 | 78.0 | 7.9 | 32.7 | 2.9 | 2.8 | 2.7 | 16.5 | 14.7 |
| 49 | WWFCZ1 | S | MID-FLOOD | 2-Mar-07 | | | 21.1 | 5.63 | 5.60 | | 77.8 | 77.9 | 7.9 | 32.8 | 3.4 | 3.5 | | 7.5 | |
| 50 | WWFCZ1 | M | MID-FLOOD | 2-Mar-07 | 8:41 | 39.70 | 21.1 | 5.56 | 5.55 | 5.59 | 77.4 | 77.1 | 7.9 | 32.8 | 3.4 | 3.4 | | 10.5 | |
| 51 | WWFCZ1 | B | MID-FLOOD | 2-Mar-07 | | | 21.1 | 5.54 | 5.53 | 5.54 | 77.0 | 76.7 | 7.9 | 32.8 | 3.3 | 3.1 | 3.3 | 9.0 | 9.0 |
| 52 | WWFCZ2 | S | MID-FLOOD | 2-Mar-07 | | | 21.1 | 5.48 | 5.47 | | 74.0 | 73.9 | 7.9 | 32.8 | 2.9 | 2.7 | | 9.0 | |
| 53 | WWFCZ2 | M | MID-FLOOD | 2-Mar-07 | 8:53 | 40.10 | 21.0 | 5.82 | 5.75 | 5.63 | 83.0 | 82.2 | 7.9 | 32.8 | 2.8 | 2.8 | | 13.0 | |
| 54 | WWFCZ2 | B | MID-FLOOD | 2-Mar-07 | | | 21.0 | 5.42 | 5.40 | 5.41 | 73.5 | 73.2 | 7.9 | 32.8 | 3.0 | 2.8 | 2.8 | 9.0 | 10.3 |
| 55 | WFCZR1 | S | MID-FLOOD | 2-Mar-07 | | | 21.1 | 5.81 | 5.83 | | 83.5 | 82.5 | 7.9 | 32.6 | 3.2 | 3.2 | | 7.0 | |
| 56 | WFCZR1 | M | MID-FLOOD | 2-Mar-07 | 8:30 | 39.50 | 21.0 | 5.96 | 5.94 | 5.89 | 84.0 | 83.9 | 7.9 | 32.8 | 3.3 | 3.1 | | 8.5 | |
| 57 | WFCZR1 | B | MID-FLOOD | 2-Mar-07 | | | 21.0 | 5.46 | 5.44 | 5.45 | 85.2 | 84.5 | 7.9 | 32.8 | 3.2 | 3.2 | 3.2 | 18.0 | 11.2 |
| 58 | WFCZR2 | S | MID-FLOOD | 2-Mar-07 | | | 21.2 | 5.48 | 5.46 | | 76.2 | 75.9 | 7.9 | 32.6 | 3.2 | 3.3 | | 8.0 | |
| 59 | WFCZR2 | M | MID-FLOOD | 2-Mar-07 | 9:06 | 41.30 | 21.1 | 5.88 | 5.86 | 5.67 | 81.3 | 81.0 | 7.9 | 32.7 | 3.4 | 3.5 | | 8.5 | |
| 60 | WFCZR2 | B | MID-FLOOD | 2-Mar-07 | | | 21.1 | 5.95 | 5.92 | 5.94 | 82.5 | 82.4 | 7.9 | 32.7 | 2.8 | 2.8 | 3.1 | 10.5 | 9.0 |
| 61 | WWA1 | S | MID-EBB | 5-Mar-07 | | | 21.6 | 5.64 | 5.63 | | 77.3 | 77.1 | 7.9 | 30.9 | 2.5 | 2.6 | | 14.5 | |
| 62 | WWA1 | M | MID-EBB | 5-Mar-07 | 15:00 | 6.50 | 21.6 | 6.15 | 6.18 | 5.90 | 83.0 | 83.1 | 7.9 | 31.0 | 2.8 | 2.8 | | 30.0 | |
| 63 | WWA1 | B | MID-EBB | 5-Mar-07 | | | 21.5 | 6.21 | 6.19 | 6.20 | 84.4 | 84.2 | 7.9 | 31.0 | 2.9 | 2.8 | 2.7 | 18.5 | 21.0 |
| 64 | WWA2 | S | MID-EBB | 5-Mar-07 | | | 21.6 | 5.47 | 5.40 | | 74.5 | 73.7 | 7.9 | 31.2 | 3.1 | 3.3 | | 20.0 | |
| 65 | WWA2 | M | MID-EBB | 5-Mar-07 | 15:13 | 7.10 | 21.5 | 6.09 | 6.08 | 5.76 | 84.1 | 83.4 | 7.9 | 31.3 | 2.1 | 2.8 | | 21.0 | |
| 66 | WWA2 | B | MID-EBB | 5-Mar-07 | | | 21.6 | 5.87 | 5.82 | 5.85 | 82.4 | 81.7 | 7.9 | 31.2 | 2.5 | 2.5 | 2.7 | 22.0 | 21.0 |
| 67 | WWA3 | S | MID-EBB | 5-Mar-07 | | | 21.8 | 5.50 | 5.53 | | 75.1 | 74.9 | 7.9 | 31.0 | 3.1 | 3.3 | | 11.5 | |
| 68 | WWA3 | M | MID-EBB | 5-Mar-07 | 15:27 | 6.40 | 21.7 | 5.85 | 5.82 | 5.68 | 81.8 | 81.3 | 7.9 | 31.0 | 3.1 | 3.1 | | 22.0 | |
| 69 | WWA3 | B | MID-EBB | 5-Mar-07 | | | 21.7 | 5.65 | 5.52 | 5.59 | 79.7 | 79.0 | 7.9 | 31.1 | 3.2 | 3.4 | 3.2 | 18.5 | 17.3 |
| 70 | WRA1 | S | MID-EBB | 5-Mar-07 | | | 21.6 | 5.54 | 5.50 | | 69.1 | 69.4 | 7.9 | 30.5 | 2.1 | 2.2 | | 8.0 | |
| 71 | WRA1 | M | MID-EBB | 5-Mar-07 | 14:45 | 33.30 | 21.6 | 5.40 | 5.56 | 5.50 | 79.9 | 74.9 | 7.9 | 30.8 | 3.0 | 2.9 | | 8.0 | |
| 72 | WRA1 | B | MID-EBB | 5-Mar-07 | | | 21.5 | 6.00 | 5.97 | 5.99 | 81.7 | 81.8 | 7.9 | 31.2 | 2.7 | 2.5 | 2.6 | 9.5 | 8.5 |
| 73 | WRA2 | S | MID-EBB | 5-Mar-07 | | | 21.9 | 5.85 | 5.84 | | 78.7 | 78.9 | 7.9 | 30.1 | 2.5 | 2.5 | | 6.5 | |
| 74 | WRA2 | M | MID-EBB | 5-Mar-07 | 14:33 | 32.90 | 21.6 | 5.84 | 5.81 | 5.84 | 81.0 | 80.5 | 7.9 | 30.9 | 2.5 | 2.6 | | 9.0 | |
| 75 | WRA2 | B | MID-EBB | 5-Mar-07 | | | 21.5 | 5.51 | 5.49 | 5.50 | 80.6 | 79.7 | 7.9 | 31.3 | 3.1 | 3.2 | 2.7 | 11.5 | 9.0 |
| 76 | WRA3 | S | MID-EBB | 5-Mar-07 | | | 21.8 | 5.52 | 5.49 | | 77.0 | 76.4 | 7.9 | 30.2 | 3.9 | 3.9 | | 13.5 | |
| 77 | WRA3 | M | MID-EBB | 5-Mar-07 | 14:20 | 30.80 | 21.6 | 5.72 | 5.71 | 5.61 | 80.3 | 79.3 | 7.9 | 31.0 | 2.1 | 2.1 | | 13.0 | |
| 78 | WRA3 | B | MID-EBB | 5-Mar-07 | | | 21.4 | 5.71 | 5.67 | 5.69 | 81.3 | 80.3 | 7.9 | 31.5 | 2.4 | 2.6 | 2.8 | 18.5 | 15.0 |
| 79 | WWFCZ1 | S | MID-EBB | 5-Mar-07 | | | 22.2 | 5.42 | 5.43 | | 75.5 | 75.3 | 7.9 | 29.0 | 3.4 | 3.3 | | 7.5 | |
| 80 | WWFCZ1 | M | MID-EBB | 5-Mar-07 | 13:42 | 40.30 | 21.7 | 5.54 | 5.52 | 5.48 | 79.9 | 78.8 | 7.9 | 30.4 | 3.6 | 3.6 | | 5.5 | |
| 81 | WWFCZ1 | B | MID-EBB | 5-Mar-07 | | | 21.6 | 5.91 | 5.89 | 5.90 | 80.0 | 80.4 | 7.9 | 30.1 | 2.9 | 2.8 | 3.3 | 9.5 | 7.5 |
| 82 | WWFCZ2 | S | MID-EBB | 5-Mar-07 | | | 21.8 | 5.80 | 5.76 | | 82.4 | 81.8 | 7.9 | 30.3 | 2.9 | 2.9 | | 11.5 | |
| 83 | WWFCZ2 | M | MID-EBB | 5-Mar-07 | 13:57 | 39.60 | 21.7 | 5.75 | 5.69 | 5.75 | 82.9 | 80.9 | 7.9 | 30.6 | 2.8 | 2.5 | | 8.5 | |
| 84 | WWFCZ2 | B | MID-EBB | 5-Mar-07 | | | 21.5 | 5.73 | 5.76 | 5.75 | 81.0 | 80.4 | 7.9 | 31.2 | 2.8 | 2.8 | 2.8 | 6.0 | 8.7 |
| 85 | WFCZR1 | S | MID-EBB | 5-Mar-07 | | | 22.0 | 5.61 | 5.58 | | 77.8 | 77.6 | 7.9 | 29.6 | 3.1 | 3.1 | | 9.0 | |
| 86 | WFCZR1 | M | MID-EBB | 5-Mar-07 | 13:30 | 38.70 | 21.7 | 5.63 | 5.64 | 5.62 | 77.5 | 77.3 | 7.9 | 30.5 | 3.3 | 3.3 | | 19.5 | |
| 87 | WFCZR1 | B | MID-EBB | 5-Mar-07 | | | 21.6 | 6.04 | 6.07 | 6.06 | 83.0 | 82.7 | 7.9 | 31.0 | 2.9 | 2.8 | 3.1 | 10.0 | 12.8 |
| 88 | WFCZR2 | S | MID-EBB | 5-Mar-07 | | | 22.0 | 5.71 | 5.68 | | 80.3 | 79.5 | 7.9 | 29.5 | 3.1 | 3.2 | | 6.5 | |
| 89 | WFCZR2 | M | MID-EBB | 5-Mar-07 | 14:06 | 40.10 | 21.7 | 5.94 | 5.91 | 5.81 | 82.5 | 81.8 | 7.9 | 30.6 | 3.1 | 3.3 | | 9.0 | |

| Lab ID | Location | Position | Tide | Sampling Date | Time | Water depth, m | Temp. °C | DO, mg/L (1) | DO, mg/L (2) | DO, Average value | DO, % saturation (1) | DO, % saturation (2) | pH, Unit | Salinity, ppt | Turbidity, NTU (1) | Turbidity, NTU (2) | NTU, Averaged Value | Suspended Solid, mg/L | SS, Averaged Value |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90 | WFCZR2 | B | MID-EBB | 5-Mar-07 | | | 21.5 | 5.76 | 5.75 | 5.76 | 78.3 | 78.1 | 7.9 | 31.0 | 3.5 | 3.7 | 3.3 | 19.5 | 11.7 |
| 91 | WWA1 | S | MID-FLOOD | 5-Mar-07 | | | 21.8 | 5.56 | 5.45 | | 73.9 | 73.7 | 7.8 | 31.4 | 2.1 | 2.1 | | 10.0 | |
| 92 | WWA1 | M | MID-FLOOD | 5-Mar-07 | 10:32 | 6.90 | 21.7 | 5.70 | 5.72 | 5.61 | 78.4 | 78.1 | 7.8 | 31.6 | 2.3 | 2.4 | | 10.0 | |
| 93 | WWA1 | B | MID-FLOOD | 5-Mar-07 | | | 21.7 | 5.49 | 5.43 | 5.46 | 80.0 | 79.2 | 7.8 | 31.6 | 2.5 | 2.6 | 2.3 | 9.0 | 9.7 |
| 94 | WWA2 | S | MID-FLOOD | 5-Mar-07 | | | 21.7 | 5.60 | 5.58 | | 77.8 | 77.5 | 7.8 | 31.2 | 2.9 | 2.8 | | 10.5 | |
| 95 | WWA2 | M | MID-FLOOD | 5-Mar-07 | 10:45 | 7.50 | 21.7 | 5.88 | 5.84 | 5.73 | 81.6 | 81.2 | 7.8 | 31.5 | 2.8 | 2.7 | | 10.5 | |
| 96 | WWA2 | B | MID-FLOOD | 5-Mar-07 | | | 21.7 | 5.51 | 5.50 | 5.51 | 77.4 | 76.3 | 7.8 | 31.6 | 2.9 | 2.8 | 2.8 | 9.0 | 10.0 |
| 97 | WWA3 | S | MID-FLOOD | 5-Mar-07 | | | 22.0 | 5.60 | 5.58 | | 78.2 | 77.0 | 7.9 | 31.4 | 3.0 | 3.2 | | 12.5 | |
| 98 | WWA3 | M | MID-FLOOD | 5-Mar-07 | 11:00 | 6.70 | 21.7 | 5.62 | 5.60 | 5.60 | 80.3 | 77.2 | 7.9 | 31.6 | 3.1 | 3.2 | | 11.0 | |
| 99 | WWA3 | B | MID-FLOOD | 5-Mar-07 | | | 21.7 | 5.54 | 5.51 | 5.53 | 79.1 | 78.7 | 7.9 | 31.6 | 2.8 | 2.5 | 3.0 | 7.5 | 10.3 |
| 100 | WRA1 | S | MID-FLOOD | 5-Mar-07 | | | 21.7 | 5.68 | 5.66 | | 80.1 | 79.4 | 7.9 | 31.3 | 1.5 | 1.7 | | 17.5 | |
| 101 | WRA1 | M | MID-FLOOD | 5-Mar-07 | 10:20 | 34.20 | 21.7 | 5.71 | 5.67 | 5.68 | 80.8 | 80.0 | 7.9 | 31.3 | 2.1 | 2.2 | | 11.0 | |
| 102 | WRA1 | B | MID-FLOOD | 5-Mar-07 | | | 21.7 | 5.72 | 5.70 | 5.71 | 78.2 | 78.3 | 7.9 | 31.4 | 2.2 | 2.5 | 2.0 | 8.5 | 12.3 |
| 103 | WRA2 | S | MID-FLOOD | 5-Mar-07 | | | 21.7 | 5.93 | 5.87 | | 86.1 | 84.8 | 7.9 | 31.5 | 3.2 | 3.4 | | 12.0 | |
| 104 | WRA2 | M | MID-FLOOD | 5-Mar-07 | 10:06 | 33.60 | 21.7 | 5.94 | 5.98 | 5.93 | 84.6 | 83.5 | 7.9 | 31.6 | 3.1 | 3.2 | | 10.0 | |
| 105 | WRA2 | B | MID-FLOOD | 5-Mar-07 | | | 21.6 | 5.78 | 5.76 | 5.77 | 82.5 | 81.3 | 7.9 | 31.7 | 2.5 | 2.6 | 3.0 | 8.0 | 10.0 |
| 106 | WRA3 | S | MID-FLOOD | 5-Mar-07 | | | 21.8 | 5.64 | 5.57 | | 78.7 | 78.3 | 7.9 | 31.6 | 2.1 | 2.1 | | 13.0 | |
| 107 | WRA3 | M | MID-FLOOD | 5-Mar-07 | 9:53 | 31.50 | 21.7 | 6.00 | 5.95 | 5.79 | 83.9 | 83.4 | 7.9 | 31.6 | 3.2 | 2.9 | | 11.0 | |
| 108 | WRA3 | B | MID-FLOOD | 5-Mar-07 | | | 21.6 | 6.02 | 5.99 | 6.01 | 83.8 | 83.2 | 7.9 | 31.7 | 2.1 | 2.0 | 2.4 | 10.0 | 11.3 |
| 109 | WWFCZ1 | S | MID-FLOOD | 5-Mar-07 | | | 21.9 | 5.45 | 5.42 | | 75.8 | 75.5 | 7.9 | 31.1 | 3.3 | 3.4 | | 12.0 | |
| 110 | WWFCZ1 | M | MID-FLOOD | 5-Mar-07 | 9:12 | 41.20 | 21.9 | 6.01 | 5.93 | 5.70 | 84.8 | 84.0 | 7.9 | 31.2 | 3.1 | 3.1 | | 18.5 | |
| 111 | WWFCZ1 | B | MID-FLOOD | 5-Mar-07 | | | 21.5 | 5.80 | 5.79 | 5.80 | 80.5 | 80.2 | 7.9 | 31.6 | 2.1 | 2.2 | 2.9 | 8.0 | 12.8 |
| 112 | WWFCZ2 | S | MID-FLOOD | 5-Mar-07 | | | 21.6 | 5.75 | 5.74 | | 80.5 | 79.6 | 7.9 | 31.0 | 2.7 | 2.3 | | 12.5 | |
| 113 | WWFCZ2 | M | MID-FLOOD | 5-Mar-07 | 9:25 | 40.50 | 21.5 | 5.89 | 5.84 | 5.81 | 83.7 | 82.6 | 7.9 | 31.2 | 2.9 | 2.8 | | 17.5 | |
| 114 | WWFCZ2 | B | MID-FLOOD | 5-Mar-07 | | | 21.4 | 5.90 | 5.98 | 5.94 | 88.5 | 86.7 | 7.9 | 31.6 | 3.1 | 3.3 | 2.8 | 12.5 | 14.2 |
| 115 | WFCZR1 | S | MID-FLOOD | 5-Mar-07 | | | 22.6 | 5.47 | 5.48 | | 75.7 | 74.6 | 7.9 | 31.1 | 2.1 | 2.2 | | 11.5 | |
| 116 | WFCZR1 | M | MID-FLOOD | 5-Mar-07 | 9:00 | 39.70 | 21.9 | 5.93 | 5.91 | 5.70 | 80.8 | 81.3 | 7.9 | 31.8 | 2.3 | 2.2 | | 14.0 | |
| 117 | WFCZR1 | B | MID-FLOOD | 5-Mar-07 | | | 21.5 | 6.14 | 6.15 | 6.15 | 88.9 | 88.4 | 7.9 | 31.9 | 3.1 | 3.1 | 2.5 | 9.0 | 11.5 |
| 118 | WFCZR2 | S | MID-FLOOD | 5-Mar-07 | | | 21.7 | 5.86 | 5.81 | | 84.3 | 83.0 | 7.9 | 30.7 | 2.2 | 2.2 | | 14.0 | |
| 119 | WFCZR2 | M | MID-FLOOD | 5-Mar-07 | 9:40 | 40.80 | 21.5 | 6.07 | 6.03 | 5.94 | 86.4 | 84.4 | 7.9 | 31.1 | 2.5 | 2.5 | | 15.0 | |
| 120 | WFCZR2 | B | MID-FLOOD | 5-Mar-07 | | | 21.5 | 5.88 | 5.87 | 5.88 | 84.1 | 83.3 | 7.9 | 31.5 | 2.1 | 2.2 | 2.3 | 12.0 | 13.7 |
| 121 | WWA1 | S | MID-EBB | 7-Mar-07 | | | 20.1 | 5.69 | 5.72 | | 77.5 | 77.2 | 7.8 | 32.3 | 2.0 | 2.1 | | 9.5 | |
| 122 | WWA1 | M | MID-EBB | 7-Mar-07 | 15:26 | 6.70 | 20.3 | 5.62 | 5.69 | 5.68 | 77.0 | 76.4 | 7.8 | 32.1 | 3.6 | 3.5 | | 17.5 | |
| 123 | WWA1 | B | MID-EBB | 7-Mar-07 | | | 20.0 | 5.96 | 5.93 | 5.95 | 81.3 | 80.9 | 7.8 | 32.1 | 2.9 | 2.8 | 2.8 | 21.0 | 16.0 |
| 124 | WWA2 | S | MID-EBB | 7-Mar-07 | | | 20.1 | 5.60 | 5.55 | | 79.1 | 78.2 | 7.8 | 32.3 | 2.2 | 2.1 | | 17.5 | |
| 125 | WWA2 | M | MID-EBB | 7-Mar-07 | 15:36 | 7.20 | 20.3 | 5.73 | 5.68 | 5.64 | 79.8 | 79.0 | 7.8 | 32.2 | 2.9 | 2.7 | | 12.0 | |
| 126 | WWA2 | B | MID-EBB | 7-Mar-07 | | | 20.3 | 5.85 | 5.83 | 5.84 | 78.8 | 78.6 | 7.8 | 32.2 | 2.6 | 2.6 | 2.5 | 17.0 | 15.5 |
| 127 | WWA3 | S | MID-EBB | 7-Mar-07 | | | 20.2 | 5.53 | 5.47 | | 78.0 | 77.2 | 7.8 | 30.6 | 2.4 | 2.5 | | 11.0 | |
| 128 | WWA3 | M | MID-EBB | 7-Mar-07 | 15:46 | 6.60 | 20.4 | 5.79 | 5.77 | 5.64 | 78.8 | 78.5 | 7.8 | 32.2 | 3.3 | 3.4 | | 15.0 | |
| 129 | WWA3 | B | MID-EBB | 7-Mar-07 | | | 20.3 | 5.80 | 5.78 | 5.79 | 82.1 | 80.9 | 7.8 | 32.3 | 3.4 | 3.5 | 3.1 | 16.5 | 14.2 |
| 130 | WRA1 | S | MID-EBB | 7-Mar-07 | | | 20.0 | 5.78 | 5.75 | | 79.2 | 78.4 | 7.8 | 31.8 | 3.4 | 3.9 | | 15.5 | |
| 131 | WRA1 | M | MID-EBB | 7-Mar-07 | 15:15 | 31.90 | 20.2 | 5.83 | 5.82 | 5.80 | 77.3 | 77.5 | 7.8 | 31.9 | 3.1 | 3.2 | | 14.5 | |
| 132 | WRA1 | B | MID-EBB | 7-Mar-07 | | | 20.2 | 5.95 | 5.93 | 5.94 | 80.3 | 80.0 | 7.8 | 32.1 | 3.0 | 2.9 | 3.2 | 10.5 | 13.5 |
| 133 | WRA2 | S | MID-EBB | 7-Mar-07 | | | 20.5 | 5.58 | 5.55 | | 77.0 | 76.3 | 7.8 | 32.0 | 3.6 | 3.5 | | 13.0 | |





| Lab ID | Location | Position | Tide | Sampling Date | Time | Water depth, m | Temp. °C | DO, mg/L (1) | DO, mg/L (2) | DO, Average value | DO, % saturation (1) | DO, % saturation (2) | pH, Unit | Salinity, ppt | Turbidity, NTU (1) | Turbidity, NTU (2) | NTU, Averaged Value | Suspended Solid, mg/L | SS, Averaged Value |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 134 | WRA2 | M | MID-EBB | 7-Mar-07 | 15:03 | 29.20 | 20.5 | 5.80 | 5.57 | 5.63 | 76.8 | 76.2 | 7.8 | 32.0 | 3.2 | 3.3 | | 14.0 | |
| 135 | WRA2 | B | MID-EBB | 7-Mar-07 | | | 20.1 | 5.76 | 5.68 | 5.72 | 80.2 | 79.5 | 7.8 | 32.4 | 3.7 | 3.8 | 3.5 | 13.0 | 13.3 |
| 136 | WRA3 | S | MID-EBB | 7-Mar-07 | | | 20.2 | 5.74 | 5.70 | | 79.1 | 78.5 | 7.8 | 32.0 | 2.9 | 2.8 | | 12.5 | |
| 137 | WRA3 | M | MID-EBB | 7-Mar-07 | 14:51 | 29.60 | 20.4 | 5.43 | 5.42 | 5.57 | 73.0 | 72.8 | 7.8 | 32.0 | 2.5 | 2.5 | | 14.5 | |
| 138 | WRA3 | B | MID-EBB | 7-Mar-07 | | | 20.0 | 5.55 | 5.59 | 5.57 | 76.7 | 75.9 | 7.8 | 32.1 | 3.2 | 3.3 | 2.9 | 13.0 | 13.3 |
| 139 | WWFCZ1 | S | MID-EBB | 7-Mar-07 | | | 20.1 | 5.48 | 5.44 | | 75.5 | 75.0 | 7.8 | 31.9 | 3.9 | 3.9 | | 10.0 | |
| 140 | WWFCZ1 | M | MID-EBB | 7-Mar-07 | 14:13 | 41.20 | 20.2 | 5.79 | 5.74 | 5.61 | 79.9 | 79.1 | 7.8 | 32.0 | 3.3 | 3.5 | | 9.0 | |
| 141 | WWFCZ1 | B | MID-EBB | 7-Mar-07 | | | 19.9 | 5.67 | 5.65 | 5.66 | 76.0 | 75.1 | 7.8 | 32.0 | 3.1 | 3.2 | 3.5 | 9.0 | 9.3 |
| 142 | WWFCZ2 | S | MID-EBB | 7-Mar-07 | | | 20.4 | 5.39 | 5.42 | | 76.3 | 75.4 | 7.8 | 32.0 | 4.1 | 4.1 | | 14.5 | |
| 143 | WWFCZ2 | M | MID-EBB | 7-Mar-07 | 14:26 | 40.00 | 20.3 | 5.63 | 5.59 | 5.51 | 81.3 | 80.2 | 7.8 | 32.3 | 3.8 | 3.9 | | 9.0 | |
| 144 | WWFCZ2 | B | MID-EBB | 7-Mar-07 | | | 20.3 | 5.77 | 5.78 | 5.78 | 76.9 | 76.8 | 7.8 | 32.1 | 3.5 | 3.6 | 3.8 | 8.0 | 10.5 |
| 145 | WFCZR1 | S | MID-EBB | 7-Mar-07 | | | 20.0 | 6.02 | 5.98 | | 82.0 | 81.0 | 7.8 | 32.2 | 3.0 | 3.0 | | 13.0 | |
| 146 | WFCZR1 | M | MID-EBB | 7-Mar-07 | 14:00 | 39.70 | 20.2 | 5.84 | 5.80 | 5.91 | 80.1 | 80.2 | 7.8 | 32.1 | 2.5 | 2.5 | | 9.5 | |
| 147 | WFCZR1 | B | MID-EBB | 7-Mar-07 | | | 20.1 | 5.92 | 5.88 | 5.90 | 80.2 | 80.1 | 7.8 | 32.0 | 2.8 | 2.9 | 2.8 | 13.5 | 12.0 |
| 148 | WFCZR2 | S | MID-EBB | 7-Mar-07 | | | 20.1 | 5.48 | 5.42 | | 69.4 | 69.2 | 7.8 | 31.8 | 3.2 | 3.1 | | 7.0 | |
| 149 | WFCZR2 | M | MID-EBB | 7-Mar-07 | 14:40 | 40.50 | 20.2 | 5.62 | 5.57 | 5.52 | 78.8 | 77.9 | 7.8 | 32.0 | 3.6 | 3.5 | | 7.0 | |
| 150 | WFCZR2 | B | MID-EBB | 7-Mar-07 | | | 20.3 | 6.30 | 6.29 | 6.30 | 84.5 | 84.2 | 7.8 | 32.0 | 3.2 | 3.1 | 3.3 | 7.5 | 7.2 |
| 151 | WWA1 | S | MID-FLOOD | 7-Mar-07 | | | 20.2 | 5.44 | 5.43 | | 72.7 | 72.8 | 7.9 | 32.0 | 3.2 | 3.1 | | 12.0 | |
| 152 | WWA1 | M | MID-FLOOD | 7-Mar-07 | 11:28 | 7.00 | 20.1 | 6.05 | 6.00 | 5.73 | 83.2 | 82.8 | 7.9 | 32.1 | 3.4 | 3.3 | | 23.5 | |
| 153 | WWA1 | B | MID-FLOOD | 7-Mar-07 | | | 20.0 | 5.58 | 5.60 | 5.59 | 72.4 | 72.1 | 7.9 | 32.1 | 3.0 | 3.1 | 3.2 | 13.0 | 16.2 |
| 154 | WWA2 | S | MID-FLOOD | 7-Mar-07 | | | 20.3 | 5.74 | 5.71 | | 78.4 | 78.0 | 7.9 | 32.2 | 3.0 | 3.0 | | 9.5 | |
| 155 | WWA2 | M | MID-FLOOD | 7-Mar-07 | 11:38 | 7.60 | 19.8 | 5.51 | 5.47 | 5.61 | 77.1 | 76.6 | 7.9 | 32.5 | 3.6 | 3.4 | | 14.5 | |
| 156 | WWA2 | B | MID-FLOOD | 7-Mar-07 | | | 19.9 | 5.72 | 5.67 | 5.70 | 78.0 | 77.6 | 7.9 | 32.4 | 2.6 | 2.5 | 3.0 | 10.5 | 11.5 |
| 157 | WWA3 | S | MID-FLOOD | 7-Mar-07 | | | 20.3 | 5.84 | 5.82 | | 85.2 | 83.9 | 7.9 | 32.1 | 3.0 | 2.9 | | 13.0 | |
| 158 | WWA3 | M | MID-FLOOD | 7-Mar-07 | 11:48 | 7.20 | 20.1 | 5.75 | 5.72 | 5.78 | 80.1 | 78.4 | 7.9 | 32.4 | 3.1 | 3.0 | | 23.0 | |
| 159 | WWA3 | B | MID-FLOOD | 7-Mar-07 | | | 19.9 | 5.90 | 5.84 | 5.87 | 82.4 | 81.4 | 7.9 | 32.5 | 2.5 | 2.6 | 2.9 | 18.0 | 18.0 |
| 160 | WRA1 | S | MID-FLOOD | 7-Mar-07 | | | 19.8 | 5.67 | 5.69 | | 77.6 | 76.6 | 7.9 | 32.5 | 3.9 | 4.0 | | 9.5 | |
| 161 | WRA1 | M | MID-FLOOD | 7-Mar-07 | 11:18 | 32.20 | 19.9 | 6.12 | 6.14 | 5.91 | 80.5 | 80.9 | 7.9 | 32.5 | 4.1 | 3.9 | | 10.0 | |
| 162 | WRA1 | B | MID-FLOOD | 7-Mar-07 | | | 19.8 | 5.76 | 5.74 | 5.75 | 78.8 | 78.1 | 7.9 | 32.5 | 3.3 | 3.2 | 3.7 | 10.0 | 9.8 |
| 163 | WRA2 | S | MID-FLOOD | 7-Mar-07 | | | 19.8 | 5.80 | 5.76 | | 78.7 | 78.4 | 7.9 | 32.5 | 2.9 | 2.7 | | 11.0 | |
| 164 | WRA2 | M | MID-FLOOD | 7-Mar-07 | 11:06 | 30.00 | 20.0 | 6.12 | 6.13 | 5.95 | 83.4 | 83.0 | 7.9 | 32.4 | 2.6 | 2.6 | | 19.5 | |
| 165 | WRA2 | B | MID-FLOOD | 7-Mar-07 | | | 19.7 | 6.14 | 6.12 | 6.13 | 84.2 | 83.0 | 7.9 | 32.6 | 3.9 | 3.8 | 3.1 | 8.0 | 12.8 |
| 166 | WRA3 | S | MID-FLOOD | 7-Mar-07 | | | 20.1 | 5.48 | 5.49 | | 75.2 | 74.7 | 7.9 | 32.4 | 2.6 | 2.7 | | 12.0 | |
| 167 | WRA3 | M | MID-FLOOD | 7-Mar-07 | 10:55 | 30.30 | 20.0 | 5.85 | 5.82 | 5.66 | 81.1 | 80.5 | 7.9 | 32.5 | 3.2 | 3.2 | | 14.5 | |
| 168 | WRA3 | B | MID-FLOOD | 7-Mar-07 | | | 20.0 | 5.86 | 5.83 | 5.85 | 77.5 | 77.6 | 7.9 | 32.4 | 3.5 | 3.4 | 3.1 | 13.5 | 13.3 |
| 169 | WWFCZ1 | S | MID-FLOOD | 7-Mar-07 | | | 19.9 | 5.49 | 5.43 | | 77.2 | 75.0 | 7.9 | 31.9 | 4.0 | 4.1 | | 8.5 | |
| 170 | WWFCZ1 | M | MID-FLOOD | 7-Mar-07 | 10:15 | 41.50 | 20.1 | 5.98 | 5.96 | 5.72 | 80.6 | 80.4 | 7.9 | 32.1 | 4.4 | 4.3 | | 12.0 | |
| 171 | WWFCZ1 | B | MID-FLOOD | 7-Mar-07 | | | 20.0 | 6.13 | 6.12 | 6.13 | 85.6 | 83.1 | 7.9 | 32.4 | 4.2 | 4.2 | 4.2 | 14.5 | 11.7 |
| 172 | WWFCZ2 | S | MID-FLOOD | 7-Mar-07 | | | 20.1 | 5.70 | 5.66 | | 79.1 | 78.3 | 7.9 | 32.4 | 4.0 | 3.9 | | 14.0 | |
| 173 | WWFCZ2 | M | MID-FLOOD | 7-Mar-07 | 10:30 | 40.60 | 20.0 | 5.96 | 5.95 | 5.82 | 80.9 | 80.2 | 7.9 | 32.3 | 3.3 | 3.4 | | 15.0 | |
| 174 | WWFCZ2 | B | MID-FLOOD | 7-Mar-07 | | | 20.0 | 6.22 | 6.20 | 6.21 | 84.0 | 83.7 | 7.9 | 32.5 | 3.6 | 3.6 | 3.6 | 14.5 | 14.5 |
| 175 | WFCZR1 | S | MID-FLOOD | 7-Mar-07 | | | 20.8 | 6.08 | 5.98 | | 74.0 | 73.7 | 7.9 | 32.4 | 4.0 | 4.1 | | 16.0 | |
| 176 | WFCZR1 | M | MID-FLOOD | 7-Mar-07 | 10:00 | 40.90 | 20.1 | 6.06 | 6.02 | 6.04 | 94.1 | 92.6 | 7.9 | 32.5 | 3.6 | 3.7 | | 9.5 | |
| 177 | WFCZR1 | B | MID-FLOOD | 7-Mar-07 | | | 20.3 | 6.46 | 6.41 | 6.44 | 90.8 | 90.0 | 7.9 | 32.5 | 3.4 | 3.5 | 3.7 | 13.0 | 12.8 |

| Lab ID | Location | Position | Tide | Sampling Date | Time | Water depth, m | Temp. °C | DO, mg/L (1) | DO, mg/L (2) | DO, Average value | DO, % saturation (1) | DO, % saturation (2) | pH, Unit | Salinity, ppt | Turbidity, NTU (1) | Turbidity, NTU (2) | NTU, Averaged Value | Suspended Solid, mg/L | SS, Averaged Value |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 178 | WFCZR2 | S | MID-FLOOD | 7-Mar-07 | | | 20.0 | 5.75 | 5.73 | | 77.5 | 77.3 | 7.9 | 32.4 | 3.2 | 3.2 | | 10.5 | |
| 179 | WFCZR2 | M | MID-FLOOD | 7-Mar-07 | 10:43 | 41.00 | 20.2 | 5.64 | 5.61 | 5.68 | 79.3 | 78.6 | 7.9 | 32.3 | 3.0 | 3.1 | | 9.5 | |
| 180 | WFCZR2 | B | MID-FLOOD | 7-Mar-07 | | | 19.7 | 6.01 | 5.99 | 6.00 | 79.2 | 79.7 | 7.9 | 32.5 | 4.2 | 4.2 | 3.5 | 12.5 | 10.8 |
| 181 | WWA1 | S | MID-EBB | 9-Mar-07 | | | 20.5 | 5.69 | 5.66 | | 76.1 | 76.0 | 7.8 | 32.4 | 4.1 | 4.1 | | 7.5 | |
| 182 | WWA1 | M | MID-EBB | 9-Mar-07 | 16:20 | 6.80 | 20.4 | 5.74 | 5.78 | 5.72 | 76.8 | 76.5 | 7.8 | 32.5 | 3.6 | 3.5 | | 13.0 | |
| 183 | WWA1 | B | MID-EBB | 9-Mar-07 | | | 20.4 | 6.24 | 6.19 | 6.22 | 86.5 | 85.8 | 7.8 | 32.5 | 5.1 | 5.1 | 4.2 | 12.5 | 11.0 |
| 184 | WWA2 | S | MID-EBB | 9-Mar-07 | | | 20.5 | 5.91 | 5.87 | | 79.6 | 79.7 | 7.9 | 32.5 | 5.1 | 5.1 | | 7.0 | |
| 185 | WWA2 | M | MID-EBB | 9-Mar-07 | 16:30 | 6.90 | 20.3 | 5.89 | 5.86 | 5.88 | 80.5 | 80.0 | 7.9 | 32.6 | 5.6 | 5.5 | | 6.0 | |
| 186 | WWA2 | B | MID-EBB | 9-Mar-07 | | | 20.4 | 5.85 | 5.83 | 5.84 | 83.3 | 82.3 | 7.9 | 32.4 | 4.8 | 4.8 | 5.2 | 9.0 | 7.3 |
| 187 | WWA3 | S | MID-EBB | 9-Mar-07 | | | 20.5 | 5.41 | 5.39 | | 72.9 | 72.8 | 7.9 | 31.1 | 3.7 | 3.7 | | 12.0 | |
| 188 | WWA3 | M | MID-EBB | 9-Mar-07 | 16:41 | 7.10 | 20.5 | 5.80 | 5.77 | 5.59 | 80.5 | 80.1 | 7.9 | 32.5 | 4.9 | 4.9 | | 13.5 | |
| 189 | WWA3 | B | MID-EBB | 9-Mar-07 | | | 20.5 | 5.42 | 5.43 | 5.43 | 73.2 | 73.1 | 7.9 | 32.5 | 4.4 | 4.4 | 4.3 | 14.0 | 13.2 |
| 190 | WRA1 | S | MID-EBB | 9-Mar-07 | | | 20.5 | 5.49 | 5.48 | | 74.3 | 74.4 | 7.8 | 32.4 | 7.4 | 7.3 | | 12.0 | |
| 191 | WRA1 | M | MID-EBB | 9-Mar-07 | 16:06 | 31.90 | 20.4 | 5.52 | 5.49 | 5.50 | 75.3 | 75.0 | 7.8 | 32.4 | 6.1 | 6.1 | | 11.0 | |
| 192 | WRA1 | B | MID-EBB | 9-Mar-07 | | | 20.4 | 5.93 | 5.91 | 5.92 | 80.6 | 80.4 | 7.8 | 32.4 | 5.6 | 5.6 | 6.4 | 9.5 | 10.8 |
| 193 | WRA2 | S | MID-EBB | 9-Mar-07 | | | 20.3 | 5.60 | 5.50 | | 78.7 | 77.6 | 7.9 | 32.4 | 3.6 | 3.5 | | 15.0 | |
| 194 | WRA2 | M | MID-EBB | 9-Mar-07 | 15:52 | 30.90 | 20.3 | 5.60 | 5.61 | 5.58 | 76.1 | 75.6 | 7.9 | 32.5 | 5.6 | 5.4 | | 18.0 | |
| 195 | WRA2 | B | MID-EBB | 9-Mar-07 | | | 20.3 | 5.58 | 5.49 | 5.54 | 73.3 | 74.0 | 7.8 | 32.5 | 4.2 | 4.0 | 4.4 | 9.0 | 14.0 |
| 196 | WRA3 | S | MID-EBB | 9-Mar-07 | | | 20.2 | 5.64 | 5.63 | | 76.3 | 76.1 | 7.8 | 32.6 | 3.4 | 3.3 | | 10.5 | |
| 197 | WRA3 | M | MID-EBB | 9-Mar-07 | 15:40 | 30.50 | 20.3 | 6.03 | 6.02 | 5.83 | 80.0 | 80.7 | 7.9 | 32.6 | 5.9 | 5.8 | | 11.0 | |
| 198 | WRA3 | B | MID-EBB | 9-Mar-07 | | | 20.2 | 6.18 | 6.20 | 6.19 | 83.4 | 83.1 | 7.9 | 32.6 | 4.0 | 4.1 | 4.4 | 17.0 | 12.8 |
| 199 | WWFCZ1 | S | MID-EBB | 9-Mar-07 | | | 20.4 | 5.48 | 5.45 | | 74.4 | 74.2 | 7.9 | 32.4 | 4.3 | 4.3 | | 9.5 | |
| 200 | WWFCZ1 | M | MID-EBB | 9-Mar-07 | 15:12 | 40.70 | 20.4 | 5.62 | 5.59 | 5.54 | 78.8 | 78.4 | 7.9 | 32.5 | 4.9 | 4.7 | | 7.5 | |
| 201 | WWFCZ1 | B | MID-EBB | 9-Mar-07 | | | 20.4 | 5.80 | 5.76 | 5.78 | 80.4 | 79.8 | 7.9 | 32.6 | 5.2 | 5.1 | 4.8 | 9.0 | 8.7 |
| 202 | WWFCZ2 | S | MID-EBB | 9-Mar-07 | | | 20.4 | 5.76 | 5.72 | | 80.9 | 79.1 | 7.9 | 32.5 | 4.0 | 3.6 | | 6.0 | |
| 203 | WWFCZ2 | M | MID-EBB | 9-Mar-07 | 15:23 | 40.60 | 20.4 | 5.51 | 5.50 | 5.62 | 75.5 | 75.3 | 7.9 | 32.5 | 4.8 | 4.5 | | 7.5 | |
| 204 | WWFCZ2 | B | MID-EBB | 9-Mar-07 | | | 20.3 | 5.83 | 5.82 | 5.83 | 76.0 | 78.0 | 7.9 | 32.6 | 5.4 | 5.4 | 4.6 | 8.0 | 7.2 |
| 205 | WFCZR1 | S | MID-EBB | 9-Mar-07 | | | 20.2 | 5.47 | 5.42 | | 73.7 | 73.7 | 7.9 | 32.6 | 2.8 | 2.8 | | 8.5 | |
| 206 | WFCZR1 | M | MID-EBB | 9-Mar-07 | 15:00 | 39.60 | 20.3 | 5.72 | 5.70 | 5.58 | 77.6 | 76.8 | 7.9 | 32.5 | 3.9 | 4.0 | | 6.5 | |
| 207 | WFCZR1 | B | MID-EBB | 9-Mar-07 | | | 20.3 | 5.88 | 5.89 | 5.89 | 84.8 | 83.1 | 7.9 | 32.7 | 5.6 | 5.7 | 4.1 | 8.0 | 7.7 |
| 208 | WFCZR2 | S | MID-EBB | 9-Mar-07 | | | 20.3 | 5.70 | 5.65 | | 79.4 | 78.6 | 7.9 | 32.4 | 3.2 | 3.2 | | 5.5 | |
| 209 | WFCZR2 | M | MID-EBB | 9-Mar-07 | 15:37 | 40.10 | 20.3 | 5.78 | 5.75 | 5.72 | 79.4 | 78.6 | 7.9 | 32.5 | 4.5 | 4.6 | | 6.5 | |
| 210 | WFCZR2 | B | MID-EBB | 9-Mar-07 | | | 20.2 | 5.82 | 5.81 | 5.82 | 79.3 | 78.9 | 7.9 | 32.6 | 5.3 | 5.3 | 4.3 | 10.0 | 7.3 |
| 211 | WWA1 | S | MID-FLOOD | 9-Mar-07 | | | 20.0 | 5.80 | 5.79 | | 77.2 | 77.1 | 7.9 | 32.5 | 4.5 | 4.5 | | 16.5 | |
| 212 | WWA1 | M | MID-FLOOD | 9-Mar-07 | 11:25 | 7.20 | 20.0 | 5.60 | 5.58 | 5.69 | 80.6 | 80.9 | 7.9 | 32.5 | 3.7 | 3.7 | | 13.5 | |
| 213 | WWA1 | B | MID-FLOOD | 9-Mar-07 | | | 20.1 | 5.46 | 5.50 | 5.48 | 78.2 | 77.6 | 7.9 | 32.5 | 5.3 | 5.2 | 4.5 | 18.0 | 16.0 |
| 214 | WWA2 | S | MID-FLOOD | 9-Mar-07 | | | 20.3 | 5.47 | 5.43 | | 72.6 | 72.5 | 7.9 | 32.6 | 5.0 | 5.1 | | 9.5 | |
| 215 | WWA2 | M | MID-FLOOD | 9-Mar-07 | 11:35 | 7.30 | 20.2 | 5.69 | 5.67 | 5.57 | 76.0 | 75.2 | 7.9 | 32.6 | 4.9 | 4.8 | | 7.0 | |
| 216 | WWA2 | B | MID-FLOOD | 9-Mar-07 | | | 20.1 | 5.58 | 5.69 | 5.64 | 78.6 | 76.0 | 7.9 | 32.5 | 3.9 | 3.9 | 4.6 | 10.0 | 8.8 |
| 217 | WWA3 | S | MID-FLOOD | 9-Mar-07 | | | 20.3 | 5.52 | 5.49 | | 73.1 | 73.5 | 7.9 | 32.5 | 2.9 | 2.8 | | 8.0 | |
| 218 | WWA3 | M | MID-FLOOD | 9-Mar-07 | 11:47 | 7.30 | 20.2 | 5.80 | 5.71 | 5.63 | 75.0 | 74.6 | 7.9 | 32.5 | 3.2 | 3.4 | | 7.5 | |
| 219 | WWA3 | B | MID-FLOOD | 9-Mar-07 | | | 20.2 | 5.66 | 5.60 | 5.63 | 77.0 | 75.6 | 7.9 | 32.4 | 4.2 | 4.4 | 3.5 | 11.0 | 8.8 |
| 220 | WRA1 | S | MID-FLOOD | 9-Mar-07 | | | 20.1 | 5.80 | 5.78 | | 78.8 | 78.6 | 7.9 | 32.6 | 6.0 | 5.9 | | 12.5 | |
| 221 | WRA1 | M | MID-FLOOD | 9-Mar-07 | 11:13 | 32.50 | 20.2 | 5.82 | 5.69 | 5.77 | 80.1 | 80.9 | 7.9 | 32.6 | 5.3 | 5.3 | | 9.5 | |





| Lab ID | Location | Position | Tide | Sampling Date | Time | Water depth, m | Temp. °C | DO, mg/L (1) | DO, mg/L (2) | DO, Average value | DO, % saturation (1) | DO, % saturation (2) | pH, Unit | Salinity, ppt | Turbidity, NTU (1) | Turbidity, NTU (2) | NTU, Averaged Value | Suspended Solid, mg/L | SS, Averaged Value |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 222 | WRA1 | B | MID-FLOOD | 9-Mar-07 | | | 20.2 | 5.74 | 5.59 | 5.67 | 76.2 | 76.3 | 7.9 | 32.2 | 5.0 | 5.0 | 5.4 | 17.5 | 13.2 |
| 223 | WRA2 | S | MID-FLOOD | 9-Mar-07 | | | 20.3 | 5.68 | 5.69 | | 76.5 | 76.3 | 7.9 | 32.7 | 4.1 | 4.2 | | 9.0 | |
| 224 | WRA2 | M | MID-FLOOD | 9-Mar-07 | 11:02 | 31.60 | 20.3 | 5.73 | 5.72 | 5.71 | 82.0 | 81.9 | 7.9 | 32.7 | 3.2 | 3.5 | | 12.5 | |
| 225 | WRA2 | B | MID-FLOOD | 9-Mar-07 | | | 20.0 | 5.48 | 5.50 | 5.49 | 73.6 | 73.6 | 7.9 | 32.6 | 4.6 | 4.5 | 4.0 | 14.0 | 11.8 |
| 226 | WRA3 | S | MID-FLOOD | 9-Mar-07 | | | 20.2 | 5.40 | 5.38 | | 70.3 | 70.5 | 7.9 | 32.7 | 3.8 | 3.8 | | 12.0 | |
| 227 | WRA3 | M | MID-FLOOD | 9-Mar-07 | 10:50 | 30.70 | 20.1 | 5.81 | 5.80 | 5.60 | 77.7 | 77.0 | 7.9 | 32.7 | 5.1 | 5.2 | | 12.5 | |
| 228 | WRA3 | B | MID-FLOOD | 9-Mar-07 | | | 20.1 | 5.86 | 5.84 | 5.85 | 81.5 | 80.8 | 7.9 | 32.7 | 4.2 | 4.4 | 4.4 | 11.0 | 11.8 |
| 229 | WWFCZ1 | S | MID-FLOOD | 9-Mar-07 | | | 20.2 | 5.86 | 5.84 | | 82.5 | 81.1 | 7.9 | 32.3 | 3.8 | 3.7 | | 8.0 | |
| 230 | WWFCZ1 | M | MID-FLOOD | 9-Mar-07 | 10:10 | 41.20 | 20.2 | 5.81 | 5.80 | 5.83 | 80.1 | 79.8 | 7.9 | 32.6 | 4.3 | 4.1 | | 13.0 | |
| 231 | WWFCZ1 | B | MID-FLOOD | 9-Mar-07 | | | 20.3 | 5.96 | 5.97 | 5.97 | 80.3 | 80.0 | 7.9 | 32.6 | 4.8 | 4.7 | 4.2 | 19.0 | 13.3 |
| 232 | WWFCZ2 | S | MID-FLOOD | 9-Mar-07 | | | 20.2 | 5.50 | 5.45 | | 72.5 | 72.3 | 7.9 | 32.7 | 4.2 | 4.5 | | 15.5 | |
| 233 | WWFCZ2 | M | MID-FLOOD | 9-Mar-07 | 10:23 | 40.80 | 20.1 | 6.01 | 6.02 | 5.75 | 79.2 | 79.4 | 7.9 | 32.7 | 4.2 | 4.2 | | 17.0 | |
| 234 | WWFCZ2 | B | MID-FLOOD | 9-Mar-07 | | | 20.1 | 5.82 | 5.81 | 5.82 | 79.4 | 79.1 | 7.9 | 32.7 | 4.0 | 3.9 | 4.2 | 17.0 | 16.5 |
| 235 | WFCZR1 | S | MID-FLOOD | 9-Mar-07 | | | 20.6 | 5.61 | 5.59 | | 77.4 | 77.2 | 7.9 | 32.7 | 3.2 | 3.4 | | 19.0 | |
| 236 | WFCZR1 | M | MID-FLOOD | 9-Mar-07 | 10:00 | 40.50 | 20.4 | 6.21 | 6.19 | 5.90 | 84.5 | 84.0 | 7.9 | 32.8 | 2.1 | 2.1 | | 14.0 | |
| 237 | WFCZR1 | B | MID-FLOOD | 9-Mar-07 | | | 20.3 | 6.26 | 6.24 | 6.25 | 86.1 | 85.5 | 7.9 | 32.8 | 4.3 | 4.3 | 3.2 | 14.0 | 15.7 |
| 238 | WFCZR2 | S | MID-FLOOD | 9-Mar-07 | | | 20.2 | 5.66 | 5.63 | | 77.4 | 76.9 | 7.9 | 32.7 | 2.9 | 3.0 | | 16.5 | |
| 239 | WFCZR2 | M | MID-FLOOD | 9-Mar-07 | 10:38 | 40.70 | 20.3 | 6.10 | 6.09 | 5.87 | 79.9 | 80.4 | 7.9 | 32.7 | 3.2 | 3.1 | | 11.0 | |
| 240 | WFCZR2 | B | MID-FLOOD | 9-Mar-07 | | | 20.1 | 6.27 | 6.26 | 6.27 | 85.2 | 85.3 | 7.9 | 32.8 | 5.3 | 5.1 | 3.8 | 17.0 | 14.8 |
| 241 | WWA1 | S | MID-EBB | 12-Mar-07 | | | 20.5 | 6.16 | 6.08 | | 83.4 | 83.1 | 7.8 | 32.8 | 3.6 | 3.6 | | 5.0 | |
| 242 | WWA1 | M | MID-EBB | 12-Mar-07 | 17:15 | 7.10 | 20.5 | 5.56 | 5.55 | 5.84 | 77.9 | 76.5 | 7.8 | 32.8 | 3.2 | 3.2 | | 6.0 | |
| 243 | WWA1 | B | MID-EBB | 12-Mar-07 | | | 20.5 | 6.13 | 6.12 | 6.13 | 77.8 | 79.8 | 7.8 | 32.8 | 4.0 | 4.2 | 3.6 | 8.0 | 6.3 |
| 244 | WWA2 | S | MID-EBB | 12-Mar-07 | | | 20.6 | 5.49 | 5.46 | | 75.7 | 75.5 | 7.8 | 32.8 | 2.7 | 2.7 | | 5.5 | |
| 245 | WWA2 | M | MID-EBB | 12-Mar-07 | 17:28 | 7.30 | 20.5 | 5.43 | 5.40 | 5.45 | 77.2 | 76.6 | 7.8 | 32.8 | 2.3 | 2.5 | | 9.0 | |
| 246 | WWA2 | B | MID-EBB | 12-Mar-07 | | | 20.5 | 5.88 | 5.89 | 5.89 | 80.5 | 80.2 | 7.8 | 32.7 | 2.9 | 2.7 | 2.6 | 9.0 | 7.8 |
| 247 | WWA3 | S | MID-EBB | 12-Mar-07 | | | 20.7 | 5.45 | 5.49 | | 76.7 | 75.8 | 7.8 | 32.7 | 3.0 | 3.1 | | 8.0 | |
| 248 | WWA3 | M | MID-EBB | 12-Mar-07 | 17:40 | 7.20 | 20.6 | 5.60 | 5.54 | 5.52 | 80.5 | 79.5 | 7.8 | 32.8 | 2.9 | 2.7 | | 8.0 | |
| 249 | WWA3 | B | MID-EBB | 12-Mar-07 | | | 20.5 | 5.64 | 5.63 | 5.64 | 80.3 | 79.6 | 7.8 | 32.6 | 2.6 | 2.6 | 2.8 | 7.0 | 7.7 |
| 250 | WRA1 | S | MID-EBB | 12-Mar-07 | | | 20.4 | 5.84 | 5.85 | | 78.4 | 78.3 | 7.8 | 32.8 | 2.3 | 2.4 | | 9.0 | |
| 251 | WRA1 | M | MID-EBB | 12-Mar-07 | 17:03 | 32.90 | 20.4 | 5.50 | 5.44 | 5.66 | 73.6 | 73.2 | 7.8 | 32.7 | 2.3 | 2.4 | | 7.0 | |
| 252 | WRA1 | B | MID-EBB | 12-Mar-07 | | | 20.4 | 5.83 | 5.78 | 5.81 | 80.7 | 80.1 | 7.8 | 32.8 | 3.4 | 3.3 | 2.7 | 5.5 | 7.2 |
| 253 | WRA2 | S | MID-EBB | 12-Mar-07 | | | 20.5 | 5.69 | 5.66 | | 79.9 | 78.4 | 7.8 | 32.8 | 2.1 | 2.1 | | 8.5 | |
| 254 | WRA2 | M | MID-EBB | 12-Mar-07 | 16:53 | 31.60 | 20.5 | 5.93 | 5.95 | 5.81 | 81.7 | 81.4 | 7.8 | 32.9 | 3.2 | 3.1 | | 8.0 | |
| 255 | WRA2 | B | MID-EBB | 12-Mar-07 | | | 20.5 | 5.55 | 5.44 | 5.50 | 79.5 | 78.5 | 7.8 | 32.8 | 3.2 | 3.3 | 2.8 | 7.5 | 8.0 |
| 256 | WRA3 | S | MID-EBB | 12-Mar-07 | | | 20.6 | 5.49 | 5.42 | | 71.1 | 70.7 | 7.8 | 32.8 | 2.8 | 2.8 | | 10.0 | |
| 257 | WRA3 | M | MID-EBB | 12-Mar-07 | 16:42 | 30.70 | 20.6 | 6.02 | 6.03 | 5.74 | 81.1 | 81.2 | 7.8 | 32.0 | 2.3 | 2.3 | | 13.0 | |
| 258 | WRA3 | B | MID-EBB | 12-Mar-07 | | | 20.5 | 6.13 | 6.12 | 6.13 | 81.0 | 80.5 | 7.8 | 32.9 | 2.7 | 2.7 | 2.6 | 5.0 | 9.3 |
| 259 | WWFCZ1 | S | MID-EBB | 12-Mar-07 | | | 20.5 | 5.45 | 5.42 | | 71.5 | 71.3 | 7.8 | 32.8 | 2.7 | 2.7 | | 25.0 | |
| 260 | WWFCZ1 | M | MID-EBB | 12-Mar-07 | 16:09 | 41.20 | 20.5 | 5.50 | 5.42 | 5.45 | 73.7 | 73.2 | 7.8 | 32.7 | 3.7 | 3.7 | | 15.5 | |
| 261 | WWFCZ1 | B | MID-EBB | 12-Mar-07 | | | 20.4 | 6.03 | 6.00 | 6.02 | 81.5 | 81.0 | 7.8 | 32.8 | 3.4 | 3.5 | 3.3 | 16.5 | 19.0 |
| 262 | WWFCZ2 | S | MID-EBB | 12-Mar-07 | | | 20.6 | 5.54 | 5.53 | | 76.2 | 75.6 | 7.8 | 32.7 | 2.6 | 2.7 | | 7.5 | |
| 263 | WWFCZ2 | M | MID-EBB | 12-Mar-07 | 16:20 | 40.70 | 20.5 | 5.67 | 5.66 | 5.60 | 78.5 | 77.7 | 7.8 | 32.7 | 2.9 | 3.1 | | 6.5 | |
| 264 | WWFCZ2 | B | MID-EBB | 12-Mar-07 | | | 20.5 | 6.05 | 6.03 | 6.04 | 81.1 | 81.2 | 7.8 | 32.7 | 3.6 | 3.6 | 3.1 | 14.5 | 9.5 |
| 265 | WFCZR1 | S | MID-EBB | 12-Mar-07 | | | 20.4 | 5.70 | 5.52 | | 72.1 | 71.5 | 7.8 | 32.8 | 2.7 | 2.8 | | 6.5 | |

| Lab ID | Location | Position | Tide | Sampling Date | Time | Water depth, m | Temp. °C | DO, mg/L (1) | DO, mg/L (2) | DO, Average value | DO, % saturation (1) | DO, % saturation (2) | pH, Unit | Salinity, ppt | Turbidity, NTU (1) | Turbidity, NTU (2) | NTU, Averaged Value | Suspended Solid, mg/L | SS, Averaged Value |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 266 | WFCZR1 | M | MID-EBB | 12-Mar-07 | 16:00 | 41.80 | 20.4 | 5.68 | 5.52 | 5.61 | 72.0 | 71.5 | 7.8 | 32.9 | 3.0 | 2.8 | | 8.0 | |
| 267 | WFCZR1 | B | MID-EBB | 12-Mar-07 | | | 20.4 | 5.83 | 5.82 | 5.83 | 79.2 | 79.0 | 7.8 | 32.9 | 2.9 | 3.0 | 2.9 | 9.0 | 7.8 |
| 268 | WFCZR2 | S | MID-EBB | 12-Mar-07 | | | 20.7 | 5.48 | 5.41 | | 70.5 | 70.6 | 7.8 | 32.8 | 3.2 | 3.3 | | 11.0 | |
| 269 | WFCZR2 | M | MID-EBB | 12-Mar-07 | 16:30 | 40.90 | 20.7 | 5.44 | 5.42 | 5.44 | 74.3 | 74.0 | 7.8 | 32.7 | 3.5 | 3.6 | | 19.5 | |
| 270 | WFCZR2 | B | MID-EBB | 12-Mar-07 | | | 20.6 | 6.09 | 6.08 | 6.09 | 82.4 | 82.3 | 7.8 | 32.7 | 3.6 | 3.7 | 3.5 | 20.0 | 16.8 |
| 271 | WWA1 | S | MID-FLOOD | 12-Mar-07 | | | 20.1 | 5.65 | 5.63 | | 76.9 | 76.1 | 7.8 | 32.9 | 4.0 | 3.9 | | 5.5 | |
| 272 | WWA1 | M | MID-FLOOD | 12-Mar-07 | 11:53 | 7.40 | 20.2 | 5.83 | 5.82 | 5.73 | 80.3 | 79.6 | 7.8 | 32.8 | 2.8 | 3.0 | | 10.5 | |
| 273 | WWA1 | B | MID-FLOOD | 12-Mar-07 | | | 20.2 | 6.00 | 5.91 | 5.96 | 82.8 | 82.3 | 7.8 | 32.9 | 4.1 | 4.2 | 3.7 | 6.5 | 7.5 |
| 274 | WWA2 | S | MID-FLOOD | 12-Mar-07 | | | 20.3 | 5.63 | 5.65 | | 76.2 | 75.1 | 7.8 | 32.9 | 2.7 | 2.7 | | 6.5 | |
| 275 | WWA2 | M | MID-FLOOD | 12-Mar-07 | 12:06 | 7.50 | 20.3 | 5.93 | 5.90 | 5.78 | 79.3 | 79.1 | 7.8 | 32.9 | 3.1 | 3.3 | | 11.5 | |
| 276 | WWA2 | B | MID-FLOOD | 12-Mar-07 | | | 20.2 | 5.70 | 5.68 | 5.69 | 76.2 | 76.1 | 7.8 | 32.9 | 3.7 | 3.7 | 3.2 | 19.0 | 12.3 |
| 277 | WWA3 | S | MID-FLOOD | 12-Mar-07 | | | 20.3 | 5.56 | 5.68 | | 74.1 | 74.0 | 7.8 | 32.8 | 2.6 | 2.9 | | 5.5 | |
| 278 | WWA3 | M | MID-FLOOD | 12-Mar-07 | 12:20 | 7.40 | 20.2 | 5.79 | 5.78 | 5.70 | 74.8 | 75.6 | 7.8 | 32.9 | 2.9 | 2.6 | | 8.0 | |
| 279 | WWA3 | B | MID-FLOOD | 12-Mar-07 | | | 20.1 | 5.70 | 5.68 | 5.69 | 76.9 | 76.5 | 7.8 | 32.7 | 2.9 | 2.8 | 2.8 | 6.5 | 6.7 |
| 280 | WRA1 | S | MID-FLOOD | 12-Mar-07 | | | 20.3 | 5.46 | 5.42 | | 76.9 | 76.2 | 7.8 | 32.9 | 1.9 | 2.0 | | 5.5 | |
| 281 | WRA1 | M | MID-FLOOD | 12-Mar-07 | 11:40 | 33.10 | 20.3 | 5.64 | 5.63 | 5.54 | 77.6 | 77.3 | 7.8 | 32.9 | 2.6 | 2.6 | | 6.5 | |
| 282 | WRA1 | B | MID-FLOOD | 12-Mar-07 | | | 20.3 | 5.76 | 5.77 | 5.77 | 79.6 | 79.5 | 7.8 | 32.9 | 3.9 | 3.8 | 2.8 | 5.0 | 5.7 |
| 283 | WRA2 | S | MID-FLOOD | 12-Mar-07 | | | 20.2 | 5.52 | 5.49 | | 76.5 | 75.9 | 7.8 | 32.9 | 2.7 | 2.8 | | 5.0 | |
| 284 | WRA2 | M | MID-FLOOD | 12-Mar-07 | 11:27 | 32.20 | 20.3 | 5.50 | 5.45 | 5.49 | 69.3 | 69.2 | 7.8 | 32.9 | 3.3 | 3.1 | | 7.0 | |
| 285 | WRA2 | B | MID-FLOOD | 12-Mar-07 | | | 20.3 | 5.81 | 5.79 | 5.80 | 81.9 | 81.3 | 7.8 | 32.9 | 2.9 | 2.7 | 2.9 | 5.0 | 5.7 |
| 286 | WRA3 | S | MID-FLOOD | 12-Mar-07 | | | 20.2 | 5.44 | 5.45 | | 72.9 | 73.0 | 7.8 | 32.8 | 3.1 | 3.2 | | 7.0 | |
| 287 | WRA3 | M | MID-FLOOD | 12-Mar-07 | 11:15 | 31.60 | 20.2 | 6.08 | 6.07 | 5.76 | 83.2 | 82.9 | 7.8 | 32.9 | 2.8 | 3.0 | | 8.0 | |
| 288 | WRA3 | B | MID-FLOOD | 12-Mar-07 | | | 20.2 | 5.64 | 5.65 | 5.65 | 78.7 | 77.2 | 7.8 | 32.9 | 2.8 | 2.9 | 2.9 | 6.5 | 7.2 |
| 289 | WWFCZ1 | S | MID-FLOOD | 12-Mar-07 | | | 20.2 | 5.46 | 5.45 | | 75.2 | 74.7 | 7.8 | 32.9 | 3.5 | 3.6 | | 14.5 | |
| 290 | WWFCZ1 | M | MID-FLOOD | 12-Mar-07 | 10:40 | 41.70 | 20.2 | 5.94 | 5.96 | 5.70 | 80.4 | 80.0 | 7.8 | 33.0 | 4.2 | 4.3 | | 9.5 | |
| 291 | WWFCZ1 | B | MID-FLOOD | 12-Mar-07 | | | 20.2 | 5.79 | 5.77 | 5.78 | 78.8 | 78.6 | 7.8 | 32.9 | 4.0 | 3.9 | 3.9 | 12.5 | 12.2 |
| 292 | WWFCZ2 | S | MID-FLOOD | 12-Mar-07 | | | 20.2 | 5.76 | 5.74 | | 78.6 | 78.2 | 7.8 | 33.0 | 2.9 | 3.1 | | 10.5 | |
| 293 | WWFCZ2 | M | MID-FLOOD | 12-Mar-07 | 10:51 | 41.20 | 20.1 | 5.56 | 5.46 | 5.63 | 77.1 | 76.0 | 7.8 | 33.0 | 3.1 | 3.3 | | 8.5 | |
| 294 | WWFCZ2 | B | MID-FLOOD | 12-Mar-07 | | | 20.2 | 5.72 | 5.74 | 5.73 | 75.5 | 75.7 | 7.8 | 32.9 | 3.7 | 3.6 | 3.3 | 6.0 | 8.3 |
| 295 | WFCZR1 | S | MID-FLOOD | 12-Mar-07 | | | 20.4 | 5.80 | 5.82 | | 76.3 | 76.9 | 7.8 | 32.8 | 2.8 | 3.0 | | 5.5 | |
| 296 | WFCZR1 | M | MID-FLOOD | 12-Mar-07 | 10:30 | 42.30 | 20.2 | 6.20 | 6.18 | 6.00 | 84.3 | 84.2 | 7.8 | 32.9 | 3.6 | 3.5 | | 9.0 | |
| 297 | WFCZR1 | B | MID-FLOOD | 12-Mar-07 | | | 20.1 | 5.78 | 5.74 | 5.76 | 80.9 | 79.6 | 7.8 | 33.0 | 3.1 | 3.2 | 3.2 | 9.0 | 7.8 |
| 298 | WFCZR2 | S | MID-FLOOD | 12-Mar-07 | | | 20.1 | 5.65 | 5.60 | | 77.1 | 76.9 | 7.8 | 32.9 | 2.3 | 2.8 | | 9.5 | |
| 299 | WFCZR2 | M | MID-FLOOD | 12-Mar-07 | 11:03 | 41.60 | 20.2 | 5.58 | 5.54 | 5.59 | 76.0 | 75.2 | 7.8 | 32.9 | 3.3 | 3.6 | | 11.0 | |
| 300 | WFCZR2 | B | MID-FLOOD | 12-Mar-07 | | | 20.2 | 6.03 | 6.04 | 6.04 | 81.3 | 80.9 | 7.8 | 32.9 | 3.9 | 3.8 | 3.3 | 14.0 | 11.5 |
| 301 | WWA1 | S | MID-EBB | 14-Mar-07 | | | 21.5 | 5.81 | 5.79 | | 79.8 | 79.9 | 7.8 | 32.6 | 3.1 | 3.1 | | 9.5 | |
| 302 | WWA1 | M | MID-EBB | 14-Mar-07 | 13:46 | 6.80 | 21.5 | 5.91 | 5.90 | 5.85 | 81.3 | 81.4 | 7.8 | 32.6 | 3.6 | 3.6 | | 8.0 | |
| 303 | WWA1 | B | MID-EBB | 14-Mar-07 | | | 21.5 | 5.76 | 5.75 | 5.76 | 80.2 | 79.4 | 7.8 | 32.6 | 2.9 | 2.9 | 3.2 | 7.0 | 8.2 |
| 304 | WWA2 | S | MID-EBB | 14-Mar-07 | | | 21.6 | 5.57 | 5.56 | | 77.1 | 77.0 | 7.8 | 32.6 | 2.9 | 2.8 | | 7.0 | |
| 305 | WWA2 | M | MID-EBB | 14-Mar-07 | 13:50 | 6.70 | 21.3 | 5.82 | 5.83 | 5.70 | 79.3 | 79.2 | 7.8 | 32.6 | 3.2 | 3.3 | | 6.0 | |
| 306 | WWA2 | B | MID-EBB | 14-Mar-07 | | | 21.5 | 5.44 | 5.41 | 5.43 | 78.6 | 78.1 | 7.8 | 32.6 | 2.9 | 2.9 | 3.0 | 6.0 | 6.3 |
| 307 | WWA3 | S | MID-EBB | 14-Mar-07 | | | 21.3 | 5.65 | 5.66 | | 78.0 | 77.7 | 7.8 | 32.6 | 2.1 | 2.1 | | 8.5 | |
| 308 | WWA3 | M | MID-EBB | 14-Mar-07 | 14:02 | 7.00 | 21.2 | 5.63 | 5.62 | 5.64 | 79.7 | 77.9 | 7.8 | 32.6 | 3.2 | 3.4 | | 7.0 | |
| 309 | WWA3 | B | MID-EBB | 14-Mar-07 | | | 21.2 | 5.84 | 5.83 | 5.84 | 80.1 | 79.8 | 7.8 | 32.7 | 3.0 | 3.2 | 2.8 | 9.0 | 8.2 |



HY/2005/06 Castle Peak Road Improvement - West of Tsing Lung Tau – Environmental Monitoring & Audit Service
Marine Water Quality Impact Monitoring - March 2007

| Lab ID | Location | Position | Tide | Sampling Date | Time | Water depth, m | Temp. °C | DO, mg/L (1) | DO, mg/L (2) | DO, Average value | DO, % saturation (1) | DO, % saturation (2) | pH, Unit | Salinity, ppt | Turbidity, NTU (1) | Turbidity, NTU (2) | NTU, Averaged Value | Suspended Solid, mg/L | SS, Averaged Value |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 310 | WRA1 | S | MID-EBB | 14-Mar-07 | | | 21.2 | 5.47 | 5.42 | | 73.3 | 72.1 | 7.9 | 32.7 | 2.0 | 1.8 | | 6.5 | |
| 311 | WRA1 | M | MID-EBB | 14-Mar-07 | 13:35 | 32.60 | 21.1 | 5.80 | 5.60 | 5.57 | 76.6 | 75.2 | 7.9 | 32.6 | 2.3 | 2.4 | | 7.0 | |
| 312 | WRA1 | B | MID-EBB | 14-Mar-07 | | | 21.0 | 5.92 | 5.93 | 5.93 | 79.7 | 79.4 | 7.9 | 32.6 | 2.6 | 2.6 | 2.3 | 5.0 | 6.2 |
| 313 | WRA2 | S | MID-EBB | 14-Mar-07 | | | 21.1 | 5.49 | 5.42 | | 74.9 | 73.7 | 7.9 | 32.6 | 1.8 | 1.8 | | 7.5 | |
| 314 | WRA2 | M | MID-EBB | 14-Mar-07 | 13:24 | 31.30 | 21.1 | 5.41 | 5.40 | 5.43 | 75.3 | 73.5 | 7.9 | 32.6 | 2.3 | 2.3 | | 6.5 | |
| 315 | WRA2 | B | MID-EBB | 14-Mar-07 | | | 21.0 | 5.84 | 5.86 | 5.85 | 76.7 | 77.7 | 7.9 | 32.6 | 2.0 | 2.1 | 2.0 | 7.0 | 7.0 |
| 316 | WRA3 | S | MID-EBB | 14-Mar-07 | | | 21.4 | 5.46 | 5.42 | | 74.3 | 73.9 | 7.9 | 32.7 | 2.3 | 2.3 | | 5.5 | |
| 317 | WRA3 | M | MID-EBB | 14-Mar-07 | 13:14 | 30.40 | 21.2 | 5.60 | 5.52 | 5.50 | 73.7 | 73.1 | 7.9 | 32.6 | 2.2 | 2.4 | | 7.0 | |
| 318 | WRA3 | B | MID-EBB | 14-Mar-07 | | | 21.2 | 5.49 | 5.42 | 5.46 | 74.9 | 73.8 | 7.9 | 32.6 | 3.0 | 2.9 | 2.5 | 5.0 | 5.8 |
| 319 | WWFCZ1 | S | MID-EBB | 14-Mar-07 | | | 21.4 | 5.70 | 5.68 | | 77.1 | 77.3 | 7.8 | 32.3 | 2.1 | 2.1 | | 6.0 | |
| 320 | WWFCZ1 | M | MID-EBB | 14-Mar-07 | 12:42 | 40.80 | 21.3 | 5.59 | 5.58 | 5.64 | 79.4 | 78.6 | 7.8 | 32.4 | 2.8 | 2.8 | | 5.0 | |
| 321 | WWFCZ1 | B | MID-EBB | 14-Mar-07 | | | 21.3 | 5.59 | 5.61 | 5.60 | 76.1 | 76.0 | 7.8 | 32.4 | 2.2 | 2.4 | 2.4 | 5.0 | 5.3 |
| 322 | WWFCZ2 | S | MID-EBB | 14-Mar-07 | | | 21.4 | 5.50 | 5.49 | | 76.3 | 75.6 | 7.8 | 32.4 | 2.5 | 2.4 | | 8.5 | |
| 323 | WWFCZ2 | M | MID-EBB | 14-Mar-07 | 12:53 | 39.70 | 21.2 | 5.76 | 5.73 | 5.62 | 80.6 | 79.9 | 7.8 | 32.4 | 2.6 | 2.6 | | 5.5 | |
| 324 | WWFCZ2 | B | MID-EBB | 14-Mar-07 | | | 21.3 | 5.60 | 5.52 | 5.56 | 76.2 | 75.7 | 7.8 | 32.4 | 2.4 | 2.4 | 2.5 | 6.0 | 6.7 |
| 325 | WFCZR1 | S | MID-EBB | 14-Mar-07 | | | 22.0 | 5.85 | 5.86 | | 78.6 | 79.0 | 7.8 | 31.3 | 2.1 | 2.1 | | 8.0 | |
| 326 | WFCZR1 | M | MID-EBB | 14-Mar-07 | 12:30 | 40.50 | 21.7 | 5.96 | 5.97 | 5.91 | 80.7 | 81.0 | 7.8 | 32.1 | 4.2 | 4.1 | | 5.0 | |
| 327 | WFCZR1 | B | MID-EBB | 14-Mar-07 | | | 21.5 | 5.90 | 5.89 | 5.90 | 81.7 | 81.4 | 7.8 | 32.3 | 2.6 | 2.6 | 2.9 | 5.0 | 6.0 |
| 328 | WFCZR2 | S | MID-EBB | 14-Mar-07 | | | 21.2 | 5.62 | 5.61 | | 79.0 | 78.1 | 7.8 | 32.4 | 2.3 | 2.4 | | 5.5 | |
| 329 | WFCZR2 | M | MID-EBB | 14-Mar-07 | 13:04 | 39.20 | 21.1 | 5.51 | 5.52 | 5.57 | 75.3 | 75.2 | 7.8 | 32.5 | 3.1 | 3.2 | | 5.0 | |
| 330 | WFCZR2 | B | MID-EBB | 14-Mar-07 | | | 21.0 | 5.70 | 5.64 | 5.67 | 76.0 | 75.1 | 7.8 | 32.4 | 2.8 | 2.6 | 2.7 | 6.0 | 5.5 |
| 331 | WWA1 | S | MID-FLOOD | 14-Mar-07 | | | 20.9 | 5.66 | 5.63 | | 77.4 | 77.3 | 7.8 | 32.8 | 3.3 | 3.4 | | 8.0 | |
| 332 | WWA1 | M | MID-FLOOD | 14-Mar-07 | 10:25 | 7.10 | 20.9 | 6.04 | 6.03 | 5.84 | 82.6 | 82.4 | 7.8 | 32.8 | 3.6 | 3.7 | | 6.0 | |
| 333 | WWA1 | B | MID-FLOOD | 14-Mar-07 | | | 20.8 | 6.10 | 6.08 | 6.09 | 83.6 | 83.2 | 7.8 | 32.8 | 3.1 | 3.2 | 3.4 | 6.5 | 6.8 |
| 334 | WWA2 | S | MID-FLOOD | 14-Mar-07 | | | 20.8 | 5.84 | 5.81 | | 81.8 | 80.9 | 7.8 | 32.8 | 3.2 | 3.4 | | 7.5 | |
| 335 | WWA2 | M | MID-FLOOD | 14-Mar-07 | 10:38 | 7.30 | 20.8 | 5.93 | 5.90 | 5.87 | 82.5 | 81.9 | 7.8 | 32.7 | 3.0 | 2.9 | | 5.0 | |
| 336 | WWA2 | B | MID-FLOOD | 14-Mar-07 | | | 20.8 | 5.93 | 5.91 | 5.92 | 81.6 | 81.1 | 7.8 | 32.8 | 3.0 | 3.2 | 3.1 | 6.5 | 6.3 |
| 337 | WWA3 | S | MID-FLOOD | 14-Mar-07 | | | 20.8 | 5.64 | 5.63 | | 78.1 | 77.6 | 7.8 | 32.7 | 2.2 | 2.3 | | 5.5 | |
| 338 | WWA3 | M | MID-FLOOD | 14-Mar-07 | 10:50 | 6.80 | 20.8 | 5.88 | 5.87 | 5.76 | 80.2 | 79.9 | 7.8 | 32.8 | 3.1 | 3.2 | | 5.0 | |
| 339 | WWA3 | B | MID-FLOOD | 14-Mar-07 | | | 20.8 | 5.85 | 5.86 | 5.86 | 76.8 | 76.2 | 7.8 | 32.8 | 3.2 | 3.3 | 2.8 | 5.5 | 5.3 |
| 340 | WRA1 | S | MID-FLOOD | 14-Mar-07 | | | 20.8 | 5.51 | 5.97 | | 78.4 | 77.4 | 7.8 | 32.8 | 2.1 | 2.3 | | 6.0 | |
| 341 | WRA1 | M | MID-FLOOD | 14-Mar-07 | 10:12 | 32.70 | 20.8 | 5.79 | 5.75 | 5.76 | 82.5 | 81.6 | 7.8 | 32.8 | 3.1 | 3.2 | | 10.0 | |
| 342 | WRA1 | B | MID-FLOOD | 14-Mar-07 | | | 20.7 | 5.94 | 5.93 | 5.94 | 80.6 | 80.5 | 7.8 | 32.9 | 3.3 | 3.4 | 2.9 | 8.5 | 8.2 |
| 343 | WRA2 | S | MID-FLOOD | 14-Mar-07 | | | 20.7 | 5.65 | 5.67 | | 77.7 | 77.3 | 7.8 | 32.8 | 2.2 | 2.5 | | 9.5 | |
| 344 | WRA2 | M | MID-FLOOD | 14-Mar-07 | 9:59 | 31.60 | 20.7 | 5.58 | 5.57 | 5.62 | 76.2 | 76.1 | 7.8 | 32.8 | 3.1 | 3.1 | | 6.0 | |
| 345 | WRA2 | B | MID-FLOOD | 14-Mar-07 | | | 20.8 | 5.90 | 5.89 | 5.90 | 78.7 | 78.6 | 7.8 | 32.8 | 3.1 | 3.1 | 2.8 | 6.0 | 7.2 |
| 346 | WRA3 | S | MID-FLOOD | 14-Mar-07 | | | 20.8 | 5.74 | 5.72 | | 78.8 | 78.5 | 7.8 | 32.8 | 2.5 | 2.6 | | 5.0 | |
| 347 | WRA3 | M | MID-FLOOD | 14-Mar-07 | 9:50 | 30.90 | 20.9 | 5.84 | 5.85 | 5.79 | 72.6 | 73.3 | 7.8 | 32.8 | 2.9 | 2.8 | | 7.0 | |
| 348 | WRA3 | B | MID-FLOOD | 14-Mar-07 | | | 20.8 | 5.60 | 5.61 | 5.61 | 78.4 | 78.1 | 7.8 | 32.8 | 3.1 | 3.2 | 2.8 | 5.5 | 5.8 |
| 349 | WWFCZ1 | S | MID-FLOOD | 14-Mar-07 | | | 21.0 | 5.40 | 5.37 | | 76.2 | 75.2 | 7.8 | 32.8 | 2.3 | 2.4 | | 7.0 | |
| 350 | WWFCZ1 | M | MID-FLOOD | 14-Mar-07 | 9:13 | 41.20 | 20.9 | 5.57 | 5.56 | 5.48 | 75.4 | 75.5 | 7.8 | 32.8 | 2.9 | 2.9 | | 5.5 | |
| 351 | WWFCZ1 | B | MID-FLOOD | 14-Mar-07 | | | 20.8 | 5.93 | 5.94 | 5.94 | 80.5 | 80.4 | 7.8 | 32.8 | 2.4 | 2.4 | 2.5 | 9.5 | 7.3 |
| 352 | WWFCZ2 | S | MID-FLOOD | 14-Mar-07 | | | 20.8 | 5.69 | 5.67 | | 78.2 | 77.8 | 7.8 | 32.8 | 2.6 | 2.7 | | 10.0 | |
| 353 | WWFCZ2 | M | MID-FLOOD | 14-Mar-07 | 9:25 | 40.30 | 20.8 | 5.72 | 5.71 | 5.70 | 75.9 | 75.4 | 7.8 | 32.8 | 3.1 | 3.1 | | 8.0 | |

| Lab ID | Location | Position | Tide | Sampling Date | Time | Water depth, m | Temp. °C | DO, mg/L (1) | DO, mg/L (2) | DO, Average value | DO, % saturation (1) | DO, % saturation (2) | pH, Unit | Salinity, ppt | Turbidity, NTU (1) | Turbidity, NTU (2) | NTU, Averaged Value | Suspended Solid, mg/L | SS, Averaged Value |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 354 | WWFCZ2 | B | MID-FLOOD | 14-Mar-07 | | | 21.0 | 5.87 | 5.88 | 5.88 | 82.6 | 81.3 | 7.8 | 32.7 | 2.9 | 2.8 | 2.8 | 10.5 | 9.5 |
| 355 | WFCZR1 | S | MID-FLOOD | 14-Mar-07 | | | 21.0 | 5.55 | 5.60 | | 73.4 | 73.0 | 7.8 | 32.8 | 2.2 | 2.2 | | 7.5 | |
| 356 | WFCZR1 | M | MID-FLOOD | 14-Mar-07 | 9:00 | 41.20 | 21.1 | 6.10 | 6.12 | 5.84 | 83.4 | 83.1 | 7.8 | 32.8 | 3.1 | 3.2 | | 12.5 | |
| 357 | WFCZR1 | B | MID-FLOOD | 14-Mar-07 | | | 21.0 | 6.22 | 6.23 | 6.23 | 84.4 | 84.0 | 7.8 | 32.8 | 2.9 | 2.7 | 2.7 | 10.0 | 10.0 |
| 358 | WFCZR2 | S | MID-FLOOD | 14-Mar-07 | | | 21.0 | 5.75 | 5.72 | | 81.7 | 80.1 | 7.8 | 32.7 | 3.0 | 3.1 | | 10.0 | |
| 359 | WFCZR2 | M | MID-FLOOD | 14-Mar-07 | 9:36 | 40.50 | 20.8 | 5.43 | 5.47 | 5.59 | 75.7 | 75.2 | 7.8 | 32.8 | 3.1 | 3.5 | | 11.0 | |
| 360 | WFCZR2 | B | MID-FLOOD | 14-Mar-07 | | | 20.8 | 6.22 | 6.21 | 6.22 | 83.7 | 83.8 | 7.8 | 32.8 | 2.9 | 2.8 | 3.1 | 11.5 | 10.8 |
| 361 | WWA1 | S | MID-EBB | 16-Mar-07 | | | 21.9 | 5.94 | 5.96 | | 82.7 | 82.4 | 7.9 | 32.1 | 4.1 | 4.1 | | 6.0 | |
| 362 | WWA1 | M | MID-EBB | 16-Mar-07 | 13:30 | 7.10 | 21.8 | 5.47 | 5.41 | 5.70 | 77.0 | 76.4 | 7.9 | 32.3 | 5.1 | 5.2 | | 11.0 | |
| 363 | WWA1 | B | MID-EBB | 16-Mar-07 | | | 21.8 | 5.49 | 5.46 | 5.48 | 77.8 | 77.0 | 7.9 | 32.3 | 5.1 | 5.0 | 4.8 | 13.5 | 10.2 |
| 364 | WWA2 | S | MID-EBB | 16-Mar-07 | | | 21.9 | 5.67 | 5.66 | | 78.1 | 77.9 | 7.9 | 32.2 | 4.3 | 4.2 | | 9.0 | |
| 365 | WWA2 | M | MID-EBB | 16-Mar-07 | 13:42 | 7.20 | 21.8 | 5.70 | 5.66 | 5.67 | 82.7 | 81.7 | 7.9 | 32.3 | 4.6 | 4.6 | | 11.5 | |
| 366 | WWA2 | B | MID-EBB | 16-Mar-07 | | | 21.8 | 5.75 | 5.61 | 5.68 | 82.0 | 81.6 | 7.9 | 32.3 | 5.1 | 5.2 | 4.7 | 7.5 | 9.3 |
| 367 | WWA3 | S | MID-EBB | 16-Mar-07 | | | 22.5 | 5.52 | 5.46 | | 76.6 | 74.4 | 7.9 | 32.2 | 3.5 | 3.6 | | 22.5 | |
| 368 | WWA3 | M | MID-EBB | 16-Mar-07 | 13:57 | 6.70 | 22.2 | 5.56 | 5.51 | 5.51 | 75.1 | 74.4 | 7.9 | 32.2 | 4.2 | 4.1 | | 25.5 | |
| 369 | WWA3 | B | MID-EBB | 16-Mar-07 | | | 22.0 | 5.68 | 5.64 | 5.66 | 80.5 | 80.0 | 7.9 | 32.2 | 4.2 | 4.3 | 4.0 | 53.0 | 33.7 |
| 370 | WRA1 | S | MID-EBB | 16-Mar-07 | | | 21.9 | 5.64 | 5.63 | | 77.1 | 77.2 | 7.9 | 32.0 | 3.5 | 3.4 | | 6.0 | |
| 371 | WRA1 | M | MID-EBB | 16-Mar-07 | 13:20 | 32.80 | 21.6 | 5.88 | 5.87 | 5.76 | 79.0 | 79.2 | 7.9 | 32.3 | 4.6 | 4.4 | | 7.0 | |
| 372 | WRA1 | B | MID-EBB | 16-Mar-07 | | | 21.5 | 5.49 | 5.47 | 5.48 | 80.2 | 79.1 | 7.9 | 32.5 | 3.7 | 3.7 | 3.9 | 15.0 | 9.3 |
| 373 | WRA2 | S | MID-EBB | 16-Mar-07 | | | 21.5 | 5.53 | 5.41 | | 75.2 | 74.5 | 7.9 | 32.2 | 4.5 | 4.5 | | 12.0 | |
| 374 | WRA2 | M | MID-EBB | 16-Mar-07 | 13:06 | 31.50 | 21.4 | 5.53 | 5.52 | 5.50 | 76.0 | 75.3 | 7.9 | 32.4 | 4.6 | 4.6 | | 8.0 | |
| 375 | WRA2 | B | MID-EBB | 16-Mar-07 | | | 21.3 | 5.56 | 5.57 | 5.57 | 76.2 | 76.0 | 7.9 | 32.5 | 4.9 | 4.8 | 4.6 | 8.5 | 9.5 |
| 376 | WRA3 | S | MID-EBB | 16-Mar-07 | | | 21.5 | 5.61 | 5.60 | | 77.7 | 77.2 | 7.9 | 32.2 | 5.6 | 5.7 | | 7.5 | |
| 377 | WRA3 | M | MID-EBB | 16-Mar-07 | 12:50 | 30.70 | 21.4 | 5.52 | 5.54 | 5.57 | 77.4 | 77.2 | 7.9 | 32.3 | 4.7 | 4.3 | | 10.0 | |
| 378 | WRA3 | B | MID-EBB | 16-Mar-07 | | | 21.3 | 5.67 | 5.66 | 5.67 | 78.3 | 78.1 | 7.9 | 32.4 | 5.4 | 5.4 | 5.2 | 12.0 | 9.8 |
| 379 | WWFCZ1 | S | MID-EBB | 16-Mar-07 | | | 21.6 | 5.73 | 5.69 | | 82.4 | 81.6 | 7.9 | 32.2 | 3.4 | 3.5 | | 8.0 | |
| 380 | WWFCZ1 | M | MID-EBB | 16-Mar-07 | 12:11 | 41.30 | 21.5 | 5.76 | 5.75 | 5.73 | 79.1 | 79.0 | 7.9 | 32.3 | 3.8 | 3.7 | | 5.0 | |
| 381 | WWFCZ1 | B | MID-EBB | 16-Mar-07 | | | 21.4 | 6.06 | 6.07 | 6.07 | 81.5 | 81.8 | 7.9 | 32.5 | 2.9 | 2.9 | 3.4 | 5.5 | 6.2 |
| 382 | WWFCZ2 | S | MID-EBB | 16-Mar-07 | | | 21.6 | 5.50 | 5.43 | | 76.9 | 76.8 | 7.9 | 32.2 | 3.6 | 3.7 | | 5.5 | |
| 383 | WWFCZ2 | M | MID-EBB | 16-Mar-07 | 12:25 | 40.60 | 21.5 | 5.84 | 5.82 | 5.65 | 81.0 | 80.5 | 7.9 | 32.3 | 3.6 | 3.8 | | 9.5 | |
| 384 | WWFCZ2 | B | MID-EBB | 16-Mar-07 | | | 21.4 | 5.60 | 5.56 | 5.58 | 77.6 | 77.7 | 7.9 | 32.5 | 3.3 | 3.3 | 3.5 | 6.5 | 7.2 |
| 385 | WFCZR1 | S | MID-EBB | 16-Mar-07 | | | 21.5 | 5.60 | 5.47 | | 75.4 | 74.7 | 7.9 | 32.3 | 3.9 | 3.8 | | 9.5 | |
| 386 | WFCZR1 | M | MID-EBB | 16-Mar-07 | 12:00 | 41.50 | 21.4 | 5.46 | 5.45 | 5.50 | 76.9 | 75.9 | 7.9 | 32.4 | 4.9 | 4.9 | | 9.5 | |
| 387 | WFCZR1 | B | MID-EBB | 16-Mar-07 | | | 21.3 | 5.81 | 5.82 | 5.82 | 79.2 | 79.1 | 7.9 | 32.4 | 4.7 | 4.7 | 4.5 | 13.0 | 10.7 |
| 388 | WFCZR2 | S | MID-EBB | 16-Mar-07 | | | 21.6 | 5.53 | 5.54 | | 75.8 | 75.4 | 7.9 | 32.1 | 2.9 | 2.8 | | 9.5 | |
| 389 | WFCZR2 | M | MID-EBB | 16-Mar-07 | 12:38 | 40.30 | 21.5 | 6.00 | 5.98 | 5.76 | 81.7 | 82.0 | 7.9 | 32.3 | 3.5 | 3.5 | | 7.0 | |
| 390 | WFCZR2 | B | MID-EBB | 16-Mar-07 | | | 21.4 | 5.53 | 5.49 | 5.51 | 79.3 | 77.7 | 7.9 | 32.4 | 3.8 | 3.8 | 3.4 | 6.5 | 7.7 |
| 391 | WWA1 | S | MID-FLOOD | 16-Mar-07 | | | 21.9 | 5.50 | 5.53 | | 74.8 | 75.1 | 7.9 | 32.4 | 4.1 | 4.3 | | 9.0 | |
| 392 | WWA1 | M | MID-FLOOD | 16-Mar-07 | 10:29 | 7.30 | 21.6 | 5.67 | 5.57 | 5.57 | 75.9 | 76.3 | 7.9 | 32.4 | 4.1 | 4.1 | | 9.5 | |
| 393 | WWA1 | B | MID-FLOOD | 16-Mar-07 | | | 21.5 | 5.45 | 5.41 | 5.43 | 75.4 | 75.2 | 7.9 | 32.5 | 3.9 | 4.0 | 4.1 | 12.0 | 10.2 |
| 394 | WWA2 | S | MID-FLOOD | 16-Mar-07 | | | 21.7 | 5.67 | 5.64 | | 81.5 | 80.7 | 7.9 | 32.5 | 4.5 | 4.5 | | 8.0 | |
| 395 | WWA2 | M | MID-FLOOD | 16-Mar-07 | 10:40 | 7.50 | 21.5 | 5.76 | 5.75 | 5.71 | 80.6 | 79.8 | 7.9 | 32.5 | 4.3 | 4.2 | | 7.0 | |
| 396 | WWA2 | B | MID-FLOOD | 16-Mar-07 | | | 21.4 | 5.60 | 5.47 | 5.54 | 73.8 | 73.3 | 7.9 | 32.5 | 4.2 | 4.2 | 4.3 | 6.0 | 7.0 |
| 397 | WWA3 | S | MID-FLOOD | 16-Mar-07 | | | 21.7 | 5.62 | 5.58 | | 79.4 | 78.4 | 7.9 | 32.5 | 2.9 | 2.7 | | 11.5 | |



**HY/2005/06 Castle Peak Road Improvement - West of Tsing Lung Tau – Environmental Monitoring & Audit Service**
**Marine Water Quality Impact Monitoring - March 2007**

| Lab ID | Location | Position | Tide | Sampling Date | Time | Water depth, m | Temp. °C | DO, mg/L (1) | DO, mg/L (2) | DO, Average value | DO, % saturation (1) | DO, % saturation (2) | pH, Unit | Salinity, ppt | Turbidity, NTU (1) | Turbidity, NTU (2) | NTU, Averaged Value | Suspended Solid, mg/L | SS, Averaged Value |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 398 | WWA3 | M | MID-FLOOD | 16-Mar-07 | 10:55 | 6.90 | 21.4 | 5.42 | 5.44 | 5.52 | 75.2 | 75.4 | 7.9 | 32.5 | 2.8 | 2.9 | | 7.0 | |
| 399 | WWA3 | B | MID-FLOOD | 16-Mar-07 | | | 21.4 | 5.58 | 5.52 | 5.55 | 76.0 | 74.7 | 7.9 | 32.5 | 2.8 | 2.8 | 2.8 | 7.5 | 8.7 |
| 400 | WRA1 | S | MID-FLOOD | 16-Mar-07 | | | 21.7 | 5.64 | 5.58 | | 80.5 | 79.7 | 7.9 | 32.5 | 4.3 | 4.7 | | 8.5 | |
| 401 | WRA1 | M | MID-FLOOD | 16-Mar-07 | 10:15 | 33.20 | 21.5 | 5.63 | 5.65 | 5.63 | 75.8 | 76.1 | 7.9 | 32.5 | 3.7 | 3.6 | | 6.5 | |
| 402 | WRA1 | B | MID-FLOOD | 16-Mar-07 | | | 21.5 | 5.56 | 5.55 | 5.56 | 75.7 | 75.6 | 7.9 | 32.5 | 3.8 | 3.7 | 4.0 | 14.0 | 9.7 |
| 403 | WRA2 | S | MID-FLOOD | 16-Mar-07 | | | 21.5 | 5.64 | 5.61 | | 79.8 | 79.2 | 7.9 | 32.4 | 3.0 | 3.1 | | 10.0 | |
| 404 | WRA2 | M | MID-FLOOD | 16-Mar-07 | 10:03 | 31.70 | 21.6 | 5.47 | 5.42 | 5.54 | 80.0 | 78.5 | 7.9 | 32.4 | 4.1 | 4.3 | | 16.0 | |
| 405 | WRA2 | B | MID-FLOOD | 16-Mar-07 | | | 21.4 | 6.06 | 6.05 | 6.06 | 81.7 | 82.2 | 7.9 | 32.5 | 4.7 | 4.5 | 3.9 | 8.0 | 11.3 |
| 406 | WRA3 | S | MID-FLOOD | 16-Mar-07 | | | 21.6 | 5.50 | 5.44 | | 81.0 | 79.4 | 7.9 | 32.5 | 5.1 | 5.1 | | 11.0 | |
| 407 | WRA3 | M | MID-FLOOD | 16-Mar-07 | 9:50 | 31.20 | 21.4 | 6.02 | 6.03 | 5.75 | 82.5 | 82.6 | 7.9 | 32.5 | 5.2 | 5.2 | | 9.5 | |
| 408 | WRA3 | B | MID-FLOOD | 16-Mar-07 | | | 21.5 | 5.43 | 5.40 | 5.42 | 80.9 | 79.6 | 7.9 | 32.6 | 4.0 | 4.1 | 4.8 | 10.5 | 10.3 |
| 409 | WWFCZ1 | S | MID-FLOOD | 16-Mar-07 | | | 21.9 | 5.50 | 5.61 | | 76.8 | 76.0 | 7.9 | 32.2 | 3.4 | 3.5 | | 8.0 | |
| 410 | WWFCZ1 | M | MID-FLOOD | 16-Mar-07 | 9:13 | 41.50 | 21.6 | 5.53 | 5.50 | 5.54 | 78.1 | 77.5 | 7.9 | 32.3 | 3.7 | 3.8 | | 7.0 | |
| 411 | WWFCZ1 | B | MID-FLOOD | 16-Mar-07 | | | 21.7 | 5.68 | 5.69 | 5.69 | 78.5 | 77.2 | 7.9 | 32.3 | 3.1 | 3.2 | 3.5 | 8.0 | 7.7 |
| 412 | WWFCZ2 | S | MID-FLOOD | 16-Mar-07 | | | 21.6 | 5.49 | 5.51 | | 74.6 | 74.0 | 7.9 | 32.2 | 3.8 | 3.6 | | 18.0 | |
| 413 | WWFCZ2 | M | MID-FLOOD | 16-Mar-07 | 9:25 | 40.90 | 21.5 | 5.47 | 5.46 | 5.48 | 75.0 | 76.0 | 7.9 | 32.4 | 4.0 | 4.2 | | 8.5 | |
| 414 | WWFCZ2 | B | MID-FLOOD | 16-Mar-07 | | | 21.5 | 6.17 | 6.16 | 6.17 | 82.8 | 82.6 | 7.9 | 32.5 | 3.5 | 3.6 | 3.8 | 12.0 | 12.8 |
| 415 | WFCZR1 | S | MID-FLOOD | 16-Mar-07 | | | 22.2 | 5.41 | 5.39 | | 74.1 | 75.5 | 7.9 | 32.2 | 3.7 | 3.7 | | 10.5 | |
| 416 | WFCZR1 | M | MID-FLOOD | 16-Mar-07 | 9:00 | 41.80 | 21.8 | 5.56 | 5.58 | 5.49 | 77.6 | 77.0 | 7.9 | 32.3 | 4.2 | 4.1 | | 9.0 | |
| 417 | WFCZR1 | B | MID-FLOOD | 16-Mar-07 | | | 21.6 | 5.96 | 5.92 | 5.94 | 81.9 | 82.0 | 7.9 | 32.4 | 4.5 | 4.5 | 4.1 | 15.0 | 11.5 |
| 418 | WFCZR2 | S | MID-FLOOD | 16-Mar-07 | | | 21.5 | 5.59 | 5.50 | | 76.5 | 76.4 | 7.9 | 32.0 | 3.1 | 3.1 | | 6.0 | |
| 419 | WFCZR2 | M | MID-FLOOD | 16-Mar-07 | 9:38 | 40.70 | 21.5 | 5.49 | 5.43 | 5.50 | 73.0 | 72.5 | 7.9 | 32.4 | 3.3 | 3.4 | | 7.0 | |
| 420 | WFCZR2 | B | MID-FLOOD | 16-Mar-07 | | | 21.4 | 5.55 | 5.56 | 5.56 | 79.3 | 77.1 | 7.9 | 32.4 | 3.3 | 3.3 | 3.2 | 7.5 | 6.8 |
| 421 | WWA1 | S | MID-EBB | 19-Mar-07 | | | 21.2 | 5.79 | 5.82 | | 79.3 | 79.2 | 8.0 | 32.4 | 13.6 | 12.7 | | 22.5 | |
| 422 | WWA1 | M | MID-EBB | 19-Mar-07 | 15:27 | 7.30 | 21.2 | 5.60 | 5.58 | 5.70 | 77.0 | 76.8 | 8.0 | 32.4 | 13.2 | 12.9 | | 24.0 | |
| 423 | WWA1 | B | MID-EBB | 19-Mar-07 | | | 21.2 | 5.69 | 5.68 | 5.69 | 80.2 | 79.5 | 8.0 | 32.4 | 11.9 | 10.7 | 12.5 | 17.0 | 21.2 |
| 424 | WWA2 | S | MID-EBB | 19-Mar-07 | | | 21.2 | 5.64 | 5.61 | | 79.4 | 78.3 | 8.0 | 32.3 | 8.6 | 8.6 | | 18.0 | |
| 425 | WWA2 | M | MID-EBB | 19-Mar-07 | 15:40 | 7.20 | 21.2 | 5.55 | 5.51 | 5.58 | 78.9 | 77.9 | 8.0 | 32.4 | 24.9 | 23.6 | | 38.5 | |
| 426 | WWA2 | B | MID-EBB | 19-Mar-07 | | | 21.2 | 5.56 | 5.55 | 5.56 | 77.4 | 76.9 | 8.0 | 32.4 | 13.1 | 12.8 | 15.3 | 22.0 | 26.2 |
| 427 | WWA3 | S | MID-EBB | 19-Mar-07 | | | 21.5 | 5.46 | 5.41 | | 79.1 | 77.8 | 8.0 | 32.3 | 11.5 | 10.8 | | 12.5 | |
| 428 | WWA3 | M | MID-EBB | 19-Mar-07 | 15:56 | 6.80 | 21.3 | 5.67 | 5.54 | 5.52 | 80.1 | 79.6 | 8.0 | 32.2 | 13.7 | 12.6 | | 23.5 | |
| 429 | WWA3 | B | MID-EBB | 19-Mar-07 | | | 21.2 | 5.76 | 5.75 | 5.76 | 78.4 | 78.5 | 8.0 | 32.4 | 12.9 | 13.3 | 12.5 | 21.5 | 19.2 |
| 430 | WRA1 | S | MID-EBB | 19-Mar-07 | | | 21.4 | 5.77 | 5.79 | | 77.4 | 77.8 | 8.0 | 32.1 | 5.2 | 5.1 | | 13.5 | |
| 431 | WRA1 | M | MID-EBB | 19-Mar-07 | 15:15 | 33.70 | 21.3 | 5.82 | 5.81 | 5.80 | 80.9 | 80.4 | 8.0 | 32.3 | 9.6 | 8.9 | | 24.0 | |
| 432 | WRA1 | B | MID-EBB | 19-Mar-07 | | | 21.3 | 5.92 | 5.92 | 5.92 | 81.0 | 80.8 | 8.0 | 32.4 | 8.9 | 8.9 | 7.8 | 18.0 | 18.5 |
| 433 | WRA2 | S | MID-EBB | 19-Mar-07 | | | 21.3 | 5.55 | 5.54 | | 75.6 | 73.7 | 8.0 | 32.3 | 7.3 | 7.5 | | 15.5 | |
| 434 | WRA2 | M | MID-EBB | 19-Mar-07 | 15:03 | 31.80 | 21.4 | 5.47 | 5.46 | 5.51 | 72.1 | 71.9 | 8.0 | 32.3 | 8.8 | 8.9 | | 15.0 | |
| 435 | WRA2 | B | MID-EBB | 19-Mar-07 | | | 21.3 | 5.67 | 5.59 | 5.63 | 77.7 | 77.6 | 8.0 | 32.4 | 7.9 | 7.8 | 8.0 | 11.5 | 14.0 |
| 436 | WRA3 | S | MID-EBB | 19-Mar-07 | | | 21.2 | 5.54 | 5.52 | | 78.1 | 77.2 | 8.0 | 32.3 | 6.7 | 6.7 | | 13.0 | |
| 437 | WRA3 | M | MID-EBB | 19-Mar-07 | 14:50 | 31.10 | 21.1 | 5.65 | 5.60 | 5.58 | 79.1 | 78.5 | 8.0 | 32.4 | 7.6 | 7.5 | | 15.5 | |
| 438 | WRA3 | B | MID-EBB | 19-Mar-07 | | | 21.1 | 5.83 | 5.88 | 5.86 | 80.2 | 79.8 | 8.0 | 32.4 | 6.3 | 6.4 | 6.9 | 12.0 | 13.5 |
| 439 | WWFCZ1 | S | MID-EBB | 19-Mar-07 | | | 21.2 | 5.60 | 5.51 | | 76.0 | 75.5 | 8.0 | 32.4 | 4.4 | 4.2 | | 6.5 | |
| 440 | WWFCZ1 | M | MID-EBB | 19-Mar-07 | 14:11 | 41.30 | 21.4 | 5.53 | 5.50 | 5.54 | 78.0 | 77.7 | 8.0 | 32.3 | 5.9 | 5.8 | | 10.0 | |
| 441 | WWFCZ1 | B | MID-EBB | 19-Mar-07 | | | 21.3 | 5.91 | 5.89 | 5.90 | 80.6 | 81.0 | 8.0 | 32.3 | 6.5 | 4.4 | 5.2 | 12.5 | 9.7 |

| Lab ID | Location | Position | Tide | Sampling Date | Time | Water depth, m | Temp. °C | DO, mg/L (1) | DO, mg/L (2) | DO, Average value | DO, % saturation (1) | DO, % saturation (2) | pH, Unit | Salinity, ppt | Turbidity, NTU (1) | Turbidity, NTU (2) | NTU, Averaged Value | Suspended Solid, mg/L | SS, Averaged Value |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 442 | WWFCZ2 | S | MID-EBB | 19-Mar-07 | | | 21.4 | 5.60 | 5.51 | | 74.7 | 73.8 | 8.0 | 32.3 | 4.7 | 4.6 | | 8.0 | |
| 443 | WWFCZ2 | M | MID-EBB | 19-Mar-07 | 14:25 | 40.60 | 21.3 | 5.60 | 5.55 | 5.57 | 79.5 | 78.5 | 8.0 | 32.4 | 4.7 | 4.7 | | 9.0 | |
| 444 | WWFCZ2 | B | MID-EBB | 19-Mar-07 | | | 21.2 | 5.84 | 5.86 | 5.85 | 82.0 | 81.2 | 8.0 | 32.3 | 10.9 | 10.3 | 6.6 | 18.0 | 11.7 |
| 445 | WFCZR1 | S | MID-EBB | 19-Mar-07 | | | 21.2 | 5.50 | 5.41 | | 72.8 | 72.4 | 8.0 | 32.4 | 4.7 | 4.6 | | 11.0 | |
| 446 | WFCZR1 | M | MID-EBB | 19-Mar-07 | 14:00 | 42.10 | 21.1 | 6.08 | 6.04 | 5.76 | 83.3 | 83.4 | 8.0 | 32.4 | 6.3 | 6.2 | | 10.5 | |
| 447 | WFCZR1 | B | MID-EBB | 19-Mar-07 | | | 21.2 | 5.99 | 5.98 | 5.99 | 82.0 | 81.8 | 8.0 | 32.4 | 7.5 | 7.2 | 6.1 | 13.0 | 11.5 |
| 448 | WFCZR2 | S | MID-EBB | 19-Mar-07 | | | 21.5 | 5.72 | 5.88 | | 80.5 | 80.0 | 8.0 | 32.2 | 5.2 | 5.1 | | 11.5 | |
| 449 | WFCZR2 | M | MID-EBB | 19-Mar-07 | 14:39 | 40.70 | 21.3 | 5.58 | 5.56 | 5.69 | 80.5 | 79.2 | 8.0 | 32.4 | 5.7 | 5.5 | | 7.0 | |
| 450 | WFCZR2 | B | MID-EBB | 19-Mar-07 | | | 21.4 | 5.90 | 5.91 | 5.91 | 79.3 | 79.2 | 8.0 | 32.3 | 4.5 | 4.6 | 5.1 | 10.0 | 9.5 |
| 451 | WWA1 | S | MID-FLOOD | 19-Mar-07 | | | 20.9 | 5.59 | 5.58 | | 76.6 | 76.1 | 8.0 | 32.6 | 10.7 | 9.8 | | 7.0 | |
| 452 | WWA1 | M | MID-FLOOD | 19-Mar-07 | 10:30 | 7.80 | 20.7 | 5.96 | 5.91 | 5.76 | 85.4 | 84.4 | 8.0 | 32.8 | 8.6 | 8.5 | | 10.5 | |
| 453 | WWA1 | B | MID-FLOOD | 19-Mar-07 | | | 20.9 | 5.55 | 5.52 | 5.54 | 76.0 | 75.7 | 8.0 | 32.5 | 12.3 | 11.7 | 10.3 | 13.5 | 10.3 |
| 454 | WWA2 | S | MID-FLOOD | 19-Mar-07 | | | 21.0 | 5.54 | 5.52 | | 76.1 | 75.5 | 8.0 | 32.5 | 7.7 | 7.7 | | 29.0 | |
| 455 | WWA2 | M | MID-FLOOD | 19-Mar-07 | 10:40 | 7.70 | 20.9 | 5.48 | 5.45 | 5.50 | 78.0 | 76.9 | 8.0 | 32.5 | 11.9 | 12.5 | | 28.5 | |
| 456 | WWA2 | B | MID-FLOOD | 19-Mar-07 | | | 20.8 | 5.57 | 5.55 | 5.56 | 80.3 | 78.7 | 8.0 | 32.7 | 13.5 | 12.7 | 11.0 | 44.0 | 33.8 |
| 457 | WWA3 | S | MID-FLOOD | 19-Mar-07 | | | 20.9 | 5.60 | 5.51 | | 80.6 | 79.6 | 8.0 | 32.5 | 9.7 | 9.6 | | 8.0 | |
| 458 | WWA3 | M | MID-FLOOD | 19-Mar-07 | 10:52 | 7.30 | 20.9 | 5.83 | 5.79 | 5.68 | 84.8 | 83.5 | 8.0 | 32.5 | 8.5 | 8.8 | | 16.5 | |
| 459 | WWA3 | B | MID-FLOOD | 19-Mar-07 | | | 20.7 | 5.90 | 5.87 | 5.89 | 83.0 | 82.1 | 8.0 | 32.7 | 11.2 | 10.7 | 9.8 | 14.0 | 12.8 |
| 460 | WRA1 | S | MID-FLOOD | 19-Mar-07 | | | 20.8 | 5.67 | 5.60 | | 77.5 | 77.2 | 8.0 | 32.6 | 6.0 | 6.1 | | 8.5 | |
| 461 | WRA1 | M | MID-FLOOD | 19-Mar-07 | 10:14 | 34.10 | 20.8 | 5.58 | 5.55 | 5.60 | 75.5 | 75.6 | 8.0 | 32.5 | 8.7 | 8.8 | | 9.0 | |
| 462 | WRA1 | B | MID-FLOOD | 19-Mar-07 | | | 20.9 | 5.69 | 5.67 | 5.68 | 77.8 | 77.4 | 8.0 | 32.6 | 8.2 | 8.5 | 7.7 | 13.5 | 10.3 |
| 463 | WRA2 | S | MID-FLOOD | 19-Mar-07 | | | 20.9 | 5.46 | 5.50 | | 74.6 | 74.2 | 8.0 | 32.5 | 7.6 | 7.6 | | 8.0 | |
| 464 | WRA2 | M | MID-FLOOD | 19-Mar-07 | 10:03 | 32.60 | 20.8 | 5.82 | 5.83 | 5.65 | 78.4 | 77.9 | 8.0 | 32.5 | 7.9 | 7.9 | | 16.0 | |
| 465 | WRA2 | B | MID-FLOOD | 19-Mar-07 | | | 20.8 | 6.04 | 6.03 | 6.04 | 82.2 | 82.1 | 8.0 | 32.6 | 6.9 | 6.5 | 7.4 | 9.5 | 11.2 |
| 466 | WRA3 | S | MID-FLOOD | 19-Mar-07 | | | 21.0 | 5.50 | 5.46 | | 75.4 | 75.3 | 8.0 | 32.5 | 7.1 | 7.1 | | 16.5 | |
| 467 | WRA3 | M | MID-FLOOD | 19-Mar-07 | 9:51 | 31.80 | 21.0 | 5.92 | 5.90 | 5.70 | 81.7 | 81.2 | 8.0 | 32.2 | 6.9 | 6.8 | | 18.5 | |
| 468 | WRA3 | B | MID-FLOOD | 19-Mar-07 | | | 20.7 | 5.56 | 5.51 | 5.54 | 79.0 | 77.6 | 8.0 | 32.6 | 6.5 | 6.1 | 6.8 | 27.0 | 20.7 |
| 469 | WWFCZ1 | S | MID-FLOOD | 19-Mar-07 | | | 20.6 | 5.44 | 5.43 | | 75.0 | 74.6 | 8.0 | 32.5 | 4.3 | 4.3 | | 10.5 | |
| 470 | WWFCZ1 | M | MID-FLOOD | 19-Mar-07 | 9:12 | 41.90 | 20.7 | 5.51 | 5.48 | 5.47 | 78.1 | 77.3 | 8.0 | 32.6 | 5.0 | 4.8 | | 11.0 | |
| 471 | WWFCZ1 | B | MID-FLOOD | 19-Mar-07 | | | 20.8 | 6.01 | 6.00 | 6.01 | 81.7 | 81.5 | 8.0 | 32.4 | 6.1 | 5.9 | 5.0 | 18.5 | 13.3 |
| 472 | WWFCZ2 | S | MID-FLOOD | 19-Mar-07 | | | 20.8 | 5.65 | 5.64 | | 79.2 | 78.2 | 8.0 | 32.6 | 4.8 | 4.6 | | 12.0 | |
| 473 | WWFCZ2 | M | MID-FLOOD | 19-Mar-07 | 9:24 | 41.50 | 20.9 | 5.43 | 5.40 | 5.53 | 75.3 | 74.9 | 8.0 | 32.6 | 4.9 | 5.0 | | 14.0 | |
| 474 | WWFCZ2 | B | MID-FLOOD | 19-Mar-07 | | | 20.9 | 6.00 | 5.95 | 5.98 | 82.3 | 82.1 | 8.0 | 32.6 | 8.8 | 8.5 | 6.1 | 9.0 | 11.7 |
| 475 | WFCZR1 | S | MID-FLOOD | 19-Mar-07 | | | 21.2 | 5.48 | 5.52 | | 73.6 | 73.1 | 8.0 | 32.5 | 4.9 | 4.8 | | 22.5 | |
| 476 | WFCZR1 | M | MID-FLOOD | 19-Mar-07 | 9:00 | 42.60 | 20.7 | 5.66 | 5.64 | 5.58 | 78.5 | 77.9 | 8.0 | 32.8 | 5.7 | 5.7 | | 25.0 | |
| 477 | WFCZR1 | B | MID-FLOOD | 19-Mar-07 | | | 20.8 | 5.76 | 5.75 | 5.76 | 79.6 | 78.2 | 8.0 | 32.6 | 7.0 | 6.7 | 5.8 | 19.5 | 22.3 |
| 478 | WFCZR2 | S | MID-FLOOD | 19-Mar-07 | | | 21.0 | 5.64 | 5.63 | | 78.8 | 78.4 | 8.0 | 32.5 | 6.1 | 6.1 | | 10.0 | |
| 479 | WFCZR2 | M | MID-FLOOD | 19-Mar-07 | 9:40 | 41.30 | 20.9 | 5.66 | 5.60 | 5.63 | 78.1 | 77.2 | 8.0 | 32.6 | 5.3 | 5.3 | | 12.0 | |
| 480 | WFCZR2 | B | MID-FLOOD | 19-Mar-07 | | | 20.9 | 5.99 | 5.98 | 5.99 | 80.0 | 80.1 | 8.0 | 32.6 | 4.7 | 4.7 | 5.4 | 16.5 | 12.8 |
| 481 | WWA1 | S | MID-EBB | 21-Mar-07 | | | 20.9 | 5.56 | 5.57 | | 81.2 | 80.8 | 8.0 | 32.4 | 9.1 | 9.1 | | 24.0 | |
| 482 | WWA1 | M | MID-EBB | 21-Mar-07 | 15:59 | 7.50 | 20.9 | 5.85 | 5.83 | 5.70 | 80.5 | 80.2 | 8.0 | 32.5 | 15.9 | 15.3 | | 25.5 | |
| 483 | WWA1 | B | MID-EBB | 21-Mar-07 | | | 20.9 | 5.62 | 5.63 | 5.63 | 77.4 | 76.8 | 8.0 | 32.4 | 13.1 | 12.7 | 12.5 | 30.5 | 26.7 |
| 484 | WWA2 | S | MID-EBB | 21-Mar-07 | | | 21.0 | 5.67 | 5.64 | | 79.3 | 78.8 | 8.0 | 32.3 | 6.4 | 6.4 | | 17.0 | |
| 485 | WWA2 | M | MID-EBB | 21-Mar-07 | 16:08 | 7.30 | 21.1 | 5.40 | 5.37 | 5.52 | 74.5 | 74.2 | 8.0 | 32.5 | 9.4 | 9.5 | | 15.5 | |



HY/2005/06 Castle Peak Road Improvement - West of Tsing Lung Tau – Environmental Monitoring & Audit Service
Marine Water Quality Impact Monitoring - March 2007

| Lab ID | Location | Position | Tide | Sampling Date | Time | Water depth, m | Temp. °C | DO, mg/L (1) | DO, mg/L (2) | DO, Average value | DO, % saturation (1) | DO, % saturation (2) | pH, Unit | Salinity, ppt | Turbidity, NTU (1) | Turbidity, NTU (2) | NTU, Averaged Value | Suspended Solid, mg/L | SS, Averaged Value |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 486 | WWA2 | B | MID-EBB | 21-Mar-07 | | | 21.0 | 5.67 | 5.66 | 5.67 | 80.3 | 79.4 | 8.0 | 32.5 | 8.4 | 8.4 | 8.1 | 20.5 | 17.7 |
| 487 | WWA3 | S | MID-EBB | 21-Mar-07 | | | 21.4 | 5.47 | 5.44 | | 75.4 | 75.2 | 8.0 | 32.1 | 12.9 | 10.7 | | 21.0 | |
| 488 | WWA3 | M | MID-EBB | 21-Mar-07 | 16:20 | 7.40 | 21.1 | 5.74 | 5.71 | 5.59 | 79.5 | 79.0 | 8.0 | 32.4 | 10.8 | 11.8 | | 21.0 | |
| 489 | WWA3 | B | MID-EBB | 21-Mar-07 | | | 21.1 | 5.41 | 5.40 | 5.41 | 75.5 | 74.8 | 8.0 | 32.4 | 8.9 | 8.9 | 10.7 | 25.5 | 22.5 |
| 490 | WRA1 | S | MID-EBB | 21-Mar-07 | | | 21.0 | 5.36 | 5.34 | | 72.4 | 72.5 | 8.0 | 32.2 | 5.9 | 5.9 | | 16.0 | |
| 491 | WRA1 | M | MID-EBB | 21-Mar-07 | 15:47 | 33.90 | 20.9 | 5.75 | 5.71 | 5.54 | 77.6 | 77.8 | 8.0 | 32.4 | 5.8 | 5.8 | | 14.5 | |
| 492 | WRA1 | B | MID-EBB | 21-Mar-07 | | | 20.9 | 5.75 | 5.73 | 5.74 | 78.5 | 78.3 | 8.0 | 32.3 | 6.2 | 6.5 | 6.0 | 28.5 | 19.7 |
| 493 | WRA2 | S | MID-EBB | 21-Mar-07 | | | 20.8 | 5.55 | 5.37 | | 73.9 | 73.0 | 8.0 | 32.5 | 6.7 | 6.7 | | 8.5 | |
| 494 | WRA2 | M | MID-EBB | 21-Mar-07 | 15:34 | 31.70 | 20.8 | 5.88 | 5.86 | 5.67 | 78.7 | 79.5 | 8.0 | 32.5 | 7.3 | 7.4 | | 8.0 | |
| 495 | WRA2 | B | MID-EBB | 21-Mar-07 | | | 20.8 | 5.50 | 5.51 | 5.51 | 77.0 | 76.6 | 8.0 | 32.5 | 8.4 | 8.4 | 7.5 | 10.0 | 8.8 |
| 496 | WRA3 | S | MID-EBB | 21-Mar-07 | | | 20.9 | 5.42 | 5.39 | | 76.1 | 75.8 | 8.0 | 32.4 | 4.7 | 4.6 | | 16.5 | |
| 497 | WRA3 | M | MID-EBB | 21-Mar-07 | 15:20 | 31.50 | 20.7 | 5.79 | 5.78 | 5.60 | 79.5 | 79.1 | 8.0 | 32.6 | 6.0 | 6.1 | | 14.5 | |
| 498 | WRA3 | B | MID-EBB | 21-Mar-07 | | | 20.8 | 6.21 | 6.20 | 6.21 | 83.4 | 83.6 | 8.0 | 32.6 | 7.1 | 7.1 | 5.9 | 13.5 | 14.8 |
| 499 | WWFCZ1 | S | MID-EBB | 21-Mar-07 | | | 20.9 | 5.64 | 5.55 | | 78.2 | 77.8 | 8.0 | 32.2 | 5.1 | 5.0 | | 7.5 | |
| 500 | WWFCZ1 | M | MID-EBB | 21-Mar-07 | 14:41 | 41.30 | 20.8 | 5.50 | 5.45 | 5.54 | 77.6 | 76.6 | 8.0 | 32.6 | 11.4 | 10.7 | | 29.0 | |
| 501 | WWFCZ1 | B | MID-EBB | 21-Mar-07 | | | 20.8 | 6.10 | 6.12 | 6.11 | 81.6 | 81.9 | 8.0 | 32.7 | 10.9 | 8.7 | 8.6 | 21.5 | 19.3 |
| 502 | WWFCZ2 | S | MID-EBB | 21-Mar-07 | | | 20.9 | 5.83 | 5.76 | | 81.4 | 80.6 | 8.0 | 32.2 | 5.5 | 5.3 | | 13.0 | |
| 503 | WWFCZ2 | M | MID-EBB | 21-Mar-07 | 14:53 | 41.50 | 20.8 | 5.43 | 5.40 | 5.61 | 74.4 | 74.1 | 8.0 | 32.6 | 12.2 | 10.9 | | 23.0 | |
| 504 | WWFCZ2 | B | MID-EBB | 21-Mar-07 | | | 20.8 | 5.74 | 5.69 | 5.72 | 79.2 | 78.8 | 8.0 | 32.7 | 11.7 | 10.5 | 9.4 | 22.5 | 19.5 |
| 505 | WFCZR1 | S | MID-EBB | 21-Mar-07 | | | 20.8 | 5.64 | 5.62 | | 80.6 | 79.7 | 8.0 | 32.6 | 8.1 | 8.2 | | 33.5 | |
| 506 | WFCZR1 | M | MID-EBB | 21-Mar-07 | 14:30 | 41.90 | 20.8 | 5.89 | 5.88 | 5.76 | 80.2 | 80.0 | 8.0 | 32.5 | 12.6 | 12.9 | | 15.0 | |
| 507 | WFCZR1 | B | MID-EBB | 21-Mar-07 | | | 20.7 | 6.09 | 6.08 | 6.09 | 83.0 | 82.5 | 8.0 | 32.7 | 11.9 | 12.3 | 11.0 | 15.0 | 21.2 |
| 508 | WFCZR2 | S | MID-EBB | 21-Mar-07 | | | 20.8 | 5.91 | 5.86 | | 81.7 | 81.2 | 8.0 | 32.3 | 5.5 | 5.6 | | 6.0 | |
| 509 | WFCZR2 | M | MID-EBB | 21-Mar-07 | 15:04 | 40.70 | 20.9 | 5.75 | 5.74 | 5.82 | 77.6 | 77.2 | 8.0 | 32.5 | 5.5 | 6.0 | | 7.0 | |
| 510 | WFCZR2 | B | MID-EBB | 21-Mar-07 | | | 20.8 | 5.97 | 6.01 | 5.99 | 80.0 | 79.9 | 8.0 | 32.5 | 8.1 | 8.1 | 6.5 | 14.5 | 9.2 |
| 511 | WWA1 | S | MID-FLOOD | 21-Mar-07 | | | 20.9 | 5.72 | 5.66 | | 81.3 | 80.8 | 8.0 | 32.5 | 7.5 | 7.6 | | 13.5 | |
| 512 | WWA1 | M | MID-FLOOD | 21-Mar-07 | 10:33 | 7.80 | 20.9 | 6.10 | 6.11 | 5.90 | 81.6 | 81.9 | 8.0 | 32.5 | 10.2 | 10.2 | | 15.0 | |
| 513 | WWA1 | B | MID-FLOOD | 21-Mar-07 | | | 20.9 | 5.79 | 5.76 | 5.78 | 75.4 | 75.3 | 8.0 | 32.5 | 11.3 | 12.2 | 9.8 | 20.5 | 16.3 |
| 514 | WWA2 | S | MID-FLOOD | 21-Mar-07 | | | 20.8 | 5.58 | 5.51 | | 78.9 | 78.3 | 8.0 | 32.7 | 7.4 | 7.5 | | 24.0 | |
| 515 | WWA2 | M | MID-FLOOD | 21-Mar-07 | 10:45 | 7.60 | 20.9 | 5.90 | 5.87 | 5.72 | 81.8 | 81.2 | 8.0 | 32.6 | 8.2 | 8.4 | | 28.5 | |
| 516 | WWA2 | B | MID-FLOOD | 21-Mar-07 | | | 20.7 | 5.94 | 5.91 | 5.93 | 82.2 | 81.5 | 8.0 | 32.8 | 7.8 | 7.7 | 7.8 | 26.0 | 26.2 |
| 517 | WWA3 | S | MID-FLOOD | 21-Mar-07 | | | 20.8 | 5.63 | 5.61 | | 77.2 | 76.9 | 8.0 | 32.7 | 10.2 | 9.8 | | 12.5 | |
| 518 | WWA3 | M | MID-FLOOD | 21-Mar-07 | 10:53 | 7.50 | 20.9 | 5.47 | 5.38 | 5.52 | 77.2 | 76.5 | 8.0 | 32.7 | 9.8 | 9.6 | | 19.5 | |
| 519 | WWA3 | B | MID-FLOOD | 21-Mar-07 | | | 20.9 | 5.84 | 5.77 | 5.81 | 81.6 | 81.1 | 8.0 | 32.7 | 8.7 | 8.6 | 9.4 | 25.0 | 19.0 |
| 520 | WRA1 | S | MID-FLOOD | 21-Mar-07 | | | 20.9 | 5.59 | 5.56 | | 76.9 | 76.4 | 8.0 | 32.7 | 6.0 | 6.1 | | 10.0 | |
| 521 | WRA1 | M | MID-FLOOD | 21-Mar-07 | 10:20 | 34.30 | 20.8 | 5.69 | 5.70 | 5.64 | 78.0 | 77.4 | 8.0 | 32.7 | 7.1 | 7.0 | | 14.0 | |
| 522 | WRA1 | B | MID-FLOOD | 21-Mar-07 | | | 20.9 | 5.88 | 5.84 | 5.86 | 81.8 | 81.5 | 8.0 | 32.7 | 6.3 | 6.2 | 6.5 | 13.5 | 12.5 |
| 523 | WRA2 | S | MID-FLOOD | 21-Mar-07 | | | 20.9 | 5.81 | 5.79 | | 81.8 | 81.0 | 8.0 | 32.7 | 6.6 | 6.5 | | 11.5 | |
| 524 | WRA2 | M | MID-FLOOD | 21-Mar-07 | 10:06 | 32.90 | 20.9 | 5.60 | 5.62 | 5.71 | 77.1 | 76.4 | 8.0 | 32.7 | 7.2 | 7.3 | | 18.5 | |
| 525 | WRA2 | B | MID-FLOOD | 21-Mar-07 | | | 20.8 | 6.21 | 6.22 | 6.22 | 84.3 | 84.0 | 8.0 | 32.7 | 8.3 | 8.2 | 7.3 | 14.5 | 14.8 |
| 526 | WRA3 | S | MID-FLOOD | 21-Mar-07 | | | 20.9 | 5.40 | 5.38 | | 76.2 | 75.8 | 8.0 | 32.7 | 5.1 | 5.1 | | 30.5 | |
| 527 | WRA3 | M | MID-FLOOD | 21-Mar-07 | 9:50 | 32.80 | 20.8 | 5.88 | 5.84 | 5.63 | 82.1 | 81.6 | 8.0 | 32.8 | 6.3 | 6.1 | | 27.0 | |
| 528 | WRA3 | B | MID-FLOOD | 21-Mar-07 | | | 20.9 | 6.01 | 6.00 | 6.01 | 81.2 | 81.4 | 8.0 | 32.7 | 6.8 | 6.7 | 6.0 | 40.5 | 32.7 |
| 529 | WWFCZ1 | S | MID-FLOOD | 21-Mar-07 | | | 20.9 | 5.55 | 5.53 | | 77.0 | 76.0 | 8.0 | 32.5 | 4.8 | 4.8 | | 12.5 | |

| Lab ID | Location | Position | Tide | Sampling Date | Time | Water depth, m | Temp. °C | DO, mg/L (1) | DO, mg/L (2) | DO, Average value | DO, % saturation (1) | DO, % saturation (2) | pH, Unit | Salinity, ppt | Turbidity, NTU (1) | Turbidity, NTU (2) | NTU, Averaged Value | Suspended Solid, mg/L | SS, Averaged Value |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 530 | WWFCZ1 | M | MID-FLOOD | 21-Mar-07 | 9:12 | 41.70 | 20.9 | 5.72 | 5.68 | 5.62 | 78.8 | 78.5 | 8.0 | 32.6 | 8.7 | 8.7 | | 16.5 | |
| 531 | WWFCZ1 | B | MID-FLOOD | 21-Mar-07 | | | 20.9 | 6.05 | 6.06 | 6.06 | 81.7 | 81.5 | 8.0 | 32.6 | 10.2 | 9.8 | 7.8 | 20.0 | 16.3 |
| 532 | WWFCZ2 | S | MID-FLOOD | 21-Mar-07 | | | 20.9 | 5.52 | 5.53 | | 75.2 | 74.8 | 8.0 | 32.6 | 6.3 | 6.3 | | 20.0 | |
| 533 | WWFCZ2 | M | MID-FLOOD | 21-Mar-07 | 9:24 | 41.80 | 20.9 | 5.65 | 5.63 | 5.58 | 78.3 | 77.9 | 8.0 | 32.7 | 10.7 | 9.8 | | 22.5 | |
| 534 | WWFCZ2 | B | MID-FLOOD | 21-Mar-07 | | | 20.9 | 6.02 | 6.03 | 6.03 | 81.4 | 81.6 | 8.0 | 32.7 | 8.9 | 8.3 | 8.4 | 24.0 | 22.2 |
| 535 | WFCZR1 | S | MID-FLOOD | 21-Mar-07 | | | 21.2 | 5.40 | 5.41 | | 74.4 | 74.0 | 8.0 | 32.7 | 7.7 | 7.8 | | 26.0 | |
| 536 | WFCZR1 | M | MID-FLOOD | 21-Mar-07 | 9:00 | 42.30 | 21.0 | 5.62 | 5.59 | 5.51 | 78.7 | 77.6 | 8.0 | 32.7 | 10.2 | 11.3 | | 38.5 | |
| 537 | WFCZR1 | B | MID-FLOOD | 21-Mar-07 | | | 21.0 | 5.86 | 5.87 | 5.87 | 79.8 | 79.6 | 8.0 | 32.8 | 10.9 | 12.5 | 10.1 | 20.0 | 28.2 |
| 538 | WFCZR2 | S | MID-FLOOD | 21-Mar-07 | | | 20.8 | 5.74 | 5.61 | | 81.4 | 80.5 | 8.0 | 32.8 | 4.8 | 5.9 | | 18.5 | |
| 539 | WFCZR2 | M | MID-FLOOD | 21-Mar-07 | 9:37 | 40.90 | 20.9 | 5.73 | 5.71 | 5.70 | 80.1 | 79.6 | 8.0 | 32.7 | 8.4 | 8.5 | | 27.0 | |
| 540 | WFCZR2 | B | MID-FLOOD | 21-Mar-07 | | | 20.8 | 6.00 | 5.97 | 5.99 | 84.8 | 84.7 | 8.0 | 32.8 | 7.8 | 7.6 | 7.2 | 19.5 | 21.7 |
| 541 | WWA1 | S | MID-EBB | 23-Mar-07 | | | 21.4 | 5.53 | 5.48 | | 82.4 | 80.9 | 7.9 | 32.3 | 6.7 | 6.7 | | 5.5 | |
| 542 | WWA1 | M | MID-EBB | 23-Mar-07 | 16:33 | 6.10 | 21.4 | 5.82 | 5.81 | 5.66 | 80.1 | 80.0 | 7.9 | 32.3 | 7.1 | 7.1 | | 12.5 | |
| 543 | WWA1 | B | MID-EBB | 23-Mar-07 | | | 21.4 | 5.95 | 5.98 | 5.97 | 81.2 | 80.7 | 7.9 | 32.3 | 7.4 | 7.3 | 7.0 | 8.5 | 8.8 |
| 544 | WWA2 | S | MID-EBB | 23-Mar-07 | | | 21.5 | 5.71 | 5.60 | | 82.4 | 81.2 | 7.9 | 32.3 | 7.2 | 7.1 | | 9.0 | |
| 545 | WWA2 | M | MID-EBB | 23-Mar-07 | 16:45 | 7.50 | 21.5 | 5.98 | 5.90 | 5.80 | 82.3 | 82.2 | 7.9 | 32.3 | 7.4 | 7.5 | | 8.0 | |
| 546 | WWA2 | B | MID-EBB | 23-Mar-07 | | | 21.5 | 5.86 | 5.75 | 5.81 | 82.4 | 81.9 | 7.9 | 32.3 | 7.7 | 7.7 | 7.4 | 16.0 | 11.0 |
| 547 | WWA3 | S | MID-EBB | 23-Mar-07 | | | 21.9 | 5.51 | 5.49 | | 78.8 | 78.0 | 7.9 | 31.0 | 6.5 | 6.5 | | 9.5 | |
| 548 | WWA3 | M | MID-EBB | 23-Mar-07 | 16:57 | 6.00 | 21.7 | 5.96 | 5.53 | 5.62 | 77.7 | 77.6 | 7.9 | 31.6 | 9.3 | 9.3 | | 10.0 | |
| 549 | WWA3 | B | MID-EBB | 23-Mar-07 | | | 21.6 | 5.52 | 5.38 | 5.45 | 78.8 | 78.1 | 7.9 | 32.3 | 11.1 | 10.8 | 8.9 | 11.0 | 10.2 |
| 550 | WRA1 | S | MID-EBB | 23-Mar-07 | | | 21.4 | 5.70 | 5.68 | | 79.9 | 79.0 | 7.9 | 32.3 | 4.1 | 4.1 | | 8.0 | |
| 551 | WRA1 | M | MID-EBB | 23-Mar-07 | 16:20 | 33.30 | 21.4 | 5.80 | 5.75 | 5.73 | 83.3 | 83.2 | 7.9 | 32.4 | 5.7 | 5.7 | | 8.0 | |
| 552 | WRA1 | B | MID-EBB | 23-Mar-07 | | | 21.3 | 6.11 | 6.13 | 6.12 | 83.1 | 83.2 | 7.9 | 32.3 | 5.8 | 5.8 | 5.2 | 10.0 | 8.7 |
| 553 | WRA2 | S | MID-EBB | 23-Mar-07 | | | 21.4 | 5.61 | 5.57 | | 78.0 | 77.6 | 7.9 | 32.4 | 4.8 | 4.8 | | 7.5 | |
| 554 | WRA2 | M | MID-EBB | 23-Mar-07 | 16:05 | 32.40 | 21.5 | 5.71 | 5.62 | 5.63 | 80.6 | 79.9 | 7.9 | 32.4 | 4.6 | 4.6 | | 7.0 | |
| 555 | WRA2 | B | MID-EBB | 23-Mar-07 | | | 21.4 | 6.13 | 6.15 | 6.14 | 85.1 | 84.5 | 7.9 | 32.3 | 5.4 | 5.4 | 4.9 | 8.5 | 7.7 |
| 556 | WRA3 | S | MID-EBB | 23-Mar-07 | | | 21.3 | 5.90 | 5.85 | | 82.2 | 81.9 | 7.9 | 32.4 | 5.1 | 5.1 | | 9.0 | |
| 557 | WRA3 | M | MID-EBB | 23-Mar-07 | 15:53 | 32.70 | 21.3 | 5.76 | 5.72 | 5.81 | 81.3 | 80.6 | 7.9 | 32.3 | 6.6 | 6.6 | | 8.5 | |
| 558 | WRA3 | B | MID-EBB | 23-Mar-07 | | | 21.3 | 5.85 | 5.87 | 5.86 | 78.7 | 78.8 | 7.9 | 32.4 | 7.7 | 7.6 | 6.4 | 12.0 | 9.8 |
| 559 | WWFCZ1 | S | MID-EBB | 23-Mar-07 | | | 21.4 | 5.52 | 5.49 | | 77.6 | 77.0 | 7.9 | 32.3 | 5.6 | 5.6 | | 7.0 | |
| 560 | WWFCZ1 | M | MID-EBB | 23-Mar-07 | 15:12 | 38.00 | 21.3 | 5.38 | 5.35 | 5.44 | 76.0 | 74.3 | 7.9 | 32.4 | 8.2 | 8.3 | | 8.5 | |
| 561 | WWFCZ1 | B | MID-EBB | 23-Mar-07 | | | 21.3 | 5.70 | 5.63 | 5.67 | 80.3 | 79.8 | 7.9 | 32.4 | 7.2 | 7.2 | 7.0 | 16.0 | 10.5 |
| 562 | WWFCZ2 | S | MID-EBB | 23-Mar-07 | | | 21.4 | 5.86 | 5.81 | | 82.7 | 81.9 | 7.9 | 32.4 | 5.1 | 5.3 | | 19.0 | |
| 563 | WWFCZ2 | M | MID-EBB | 23-Mar-07 | 15:24 | 38.30 | 21.3 | 5.63 | 5.51 | 5.70 | 81.0 | 80.1 | 7.9 | 32.4 | 7.4 | 7.5 | | 9.0 | |
| 564 | WWFCZ2 | B | MID-EBB | 23-Mar-07 | | | 21.3 | 5.52 | 5.55 | 5.54 | 75.7 | 75.3 | 7.9 | 32.4 | 6.0 | 6.1 | 6.2 | 9.0 | 12.3 |
| 565 | WFCZR1 | S | MID-EBB | 23-Mar-07 | | | 21.4 | 5.56 | 5.50 | | 73.4 | 73.1 | 7.9 | 32.4 | 6.1 | 6.1 | | 10.5 | |
| 566 | WFCZR1 | M | MID-EBB | 23-Mar-07 | 15:00 | 39.80 | 21.2 | 5.46 | 5.47 | 5.50 | 76.2 | 75.8 | 7.9 | 32.4 | 14.3 | 13.7 | | 9.0 | |
| 567 | WFCZR1 | B | MID-EBB | 23-Mar-07 | | | 21.2 | 5.89 | 5.88 | 5.89 | 81.3 | 81.1 | 7.9 | 32.4 | 13.3 | 12.8 | 11.1 | 10.0 | 9.8 |
| 568 | WFCZR2 | S | MID-EBB | 23-Mar-07 | | | 21.5 | 5.31 | 5.47 | | 74.8 | 74.3 | 7.9 | 32.4 | 4.9 | 4.8 | | 9.0 | |
| 569 | WFCZR2 | M | MID-EBB | 23-Mar-07 | 15:38 | 40.20 | 21.3 | 5.40 | 5.38 | 5.39 | 75.6 | 75.9 | 7.9 | 32.4 | 6.9 | 6.8 | | 9.0 | |
| 570 | WFCZR2 | B | MID-EBB | 23-Mar-07 | | | 21.3 | 5.84 | 5.82 | 5.83 | 80.8 | 80.5 | 7.9 | 32.4 | 5.7 | 5.7 | 5.8 | 9.5 | 9.2 |
| 571 | WWA1 | S | MID-FLOOD | 23-Mar-07 | | | 21.2 | 5.78 | 5.73 | | 77.9 | 77.7 | 7.9 | 32.4 | 5.8 | 5.8 | | 13.5 | |
| 572 | WWA1 | M | MID-FLOOD | 23-Mar-07 | 10:37 | 6.00 | 21.2 | 5.55 | 5.51 | 5.64 | 80.3 | 79.0 | 7.9 | 32.4 | 6.6 | 6.7 | | 21.5 | |
| 573 | WWA1 | B | MID-FLOOD | 23-Mar-07 | | | 21.3 | 5.98 | 5.95 | 5.97 | 81.1 | 81.3 | 7.9 | 32.4 | 7.0 | 7.1 | 6.5 | 14.5 | 16.5 |





| Lab ID | Location | Position | Tide | Sampling Date | Time | Water depth, m | Temp. °C | DO, mg/L (1) | DO, mg/L (2) | DO, Average value | DO, % saturation (1) | DO, % saturation (2) | pH, Unit | Salinity, ppt | Turbidity, NTU (1) | Turbidity, NTU (2) | NTU, Averaged Value | Suspended Solid, mg/L | SS, Averaged Value |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 574 | WWA2 | S | MID-FLOOD | 23-Mar-07 | | | 21.3 | 5.54 | 5.47 | | 80.8 | 79.8 | 7.9 | 32.4 | 7.1 | 7.1 | | 11.5 | |
| 575 | WWA2 | M | MID-FLOOD | 23-Mar-07 | 10:50 | 8.30 | 21.3 | 5.48 | 5.46 | 5.49 | 77.3 | 76.2 | 7.9 | 32.3 | 7.1 | 6.9 | | 9.0 | |
| 576 | WWA2 | B | MID-FLOOD | 23-Mar-07 | | | 21.3 | 5.40 | 5.37 | 5.39 | 74.3 | 74.0 | 7.9 | 32.4 | 6.6 | 6.4 | 6.9 | 12.5 | 11.0 |
| 577 | WWA3 | S | MID-FLOOD | 23-Mar-07 | | | 21.3 | 5.65 | 5.63 | | 77.8 | 77.0 | 7.9 | 32.3 | 6.9 | 6.7 | | 11.5 | |
| 578 | WWA3 | M | MID-FLOOD | 23-Mar-07 | 11:06 | 6.30 | 21.2 | 5.68 | 5.67 | 5.66 | 78.6 | 78.4 | 7.9 | 32.4 | 5.8 | 5.9 | | 8.0 | |
| 579 | WWA3 | B | MID-FLOOD | 23-Mar-07 | | | 21.3 | 6.10 | 6.12 | 6.11 | 82.7 | 82.9 | 7.9 | 32.4 | 5.7 | 5.7 | 6.1 | 10.0 | 9.8 |
| 580 | WRA1 | S | MID-FLOOD | 23-Mar-07 | | | 21.1 | 5.51 | 5.50 | | 75.3 | 75.2 | 7.9 | 32.6 | 5.0 | 4.9 | | 5.5 | |
| 581 | WRA1 | M | MID-FLOOD | 23-Mar-07 | 10:23 | 39.80 | 21.1 | 5.83 | 5.82 | 5.67 | 80.1 | 79.7 | 7.9 | 32.5 | 5.7 | 5.6 | | 5.5 | |
| 582 | WRA1 | B | MID-FLOOD | 23-Mar-07 | | | 21.2 | 6.04 | 6.05 | 6.05 | 81.7 | 81.8 | 7.9 | 32.6 | 5.9 | 5.7 | 5.5 | 5.5 | 5.5 |
| 583 | WRA2 | S | MID-FLOOD | 23-Mar-07 | | | 21.2 | 5.50 | 5.44 | | 76.6 | 76.1 | 7.9 | 32.5 | 4.1 | 4.5 | | 6.0 | |
| 584 | WRA2 | M | MID-FLOOD | 23-Mar-07 | 10:09 | 30.40 | 21.2 | 5.86 | 5.85 | 5.66 | 78.3 | 79.3 | 7.9 | 32.5 | 4.2 | 4.2 | | 7.5 | |
| 585 | WRA2 | B | MID-FLOOD | 23-Mar-07 | | | 21.1 | 5.97 | 5.83 | 5.90 | 84.8 | 83.8 | 7.9 | 32.5 | 5.2 | 5.2 | 4.6 | 5.5 | 6.3 |
| 586 | WRA3 | S | MID-FLOOD | 23-Mar-07 | | | 21.3 | 5.68 | 5.63 | | 78.9 | 78.4 | 7.9 | 32.5 | 5.2 | 5.2 | | 7.5 | |
| 587 | WRA3 | M | MID-FLOOD | 23-Mar-07 | 9:55 | 27.20 | 21.2 | 5.93 | 5.96 | 5.80 | 74.2 | 75.1 | 7.9 | 32.5 | 6.1 | 6.0 | | 11.0 | |
| 588 | WRA3 | B | MID-FLOOD | 23-Mar-07 | | | 21.2 | 5.88 | 5.84 | 5.86 | 82.5 | 82.1 | 7.9 | 32.4 | 7.0 | 7.0 | 6.1 | 9.0 | 9.2 |
| 589 | WWFCZ1 | S | MID-FLOOD | 23-Mar-07 | | | 21.3 | 5.61 | 5.55 | | 79.5 | 78.8 | 7.9 | 32.2 | 6.0 | 5.9 | | 5.0 | |
| 590 | WWFCZ1 | M | MID-FLOOD | 23-Mar-07 | 9:13 | 41.00 | 21.2 | 5.75 | 5.77 | 5.67 | 80.5 | 79.8 | 7.9 | 32.4 | 6.5 | 6.5 | | 6.5 | |
| 591 | WWFCZ1 | B | MID-FLOOD | 23-Mar-07 | | | 21.2 | 5.82 | 5.84 | 5.83 | 79.4 | 79.3 | 7.9 | 32.4 | 6.4 | 6.3 | 6.3 | 6.0 | 5.8 |
| 592 | WWFCZ2 | S | MID-FLOOD | 23-Mar-07 | | | 21.3 | 5.58 | 5.53 | | 79.1 | 77.4 | 7.9 | 32.5 | 5.0 | 4.9 | | 7.5 | |
| 593 | WWFCZ2 | M | MID-FLOOD | 23-Mar-07 | 9:28 | 41.70 | 21.2 | 5.85 | 5.81 | 5.69 | 82.3 | 81.7 | 7.9 | 32.5 | 6.5 | 6.3 | | 5.5 | |
| 594 | WWFCZ2 | B | MID-FLOOD | 23-Mar-07 | | | 21.3 | 5.96 | 5.97 | 5.97 | 81.0 | 80.9 | 7.9 | 32.5 | 6.2 | 6.1 | 5.8 | 7.5 | 6.8 |
| 595 | WFCZR1 | S | MID-FLOOD | 23-Mar-07 | | | 22.0 | 6.00 | 5.91 | | 73.6 | 73.5 | 7.9 | 32.1 | 6.0 | 5.8 | | 9.0 | |
| 596 | WFCZR1 | M | MID-FLOOD | 23-Mar-07 | 9:00 | 41.70 | 21.5 | 5.98 | 5.59 | 5.87 | 79.3 | 78.5 | 7.9 | 32.7 | 9.2 | 9.0 | | 8.5 | |
| 597 | WFCZR1 | B | MID-FLOOD | 23-Mar-07 | | | 21.4 | 5.96 | 5.94 | 5.95 | 81.6 | 81.5 | 7.9 | 32.6 | 8.8 | 8.9 | 7.9 | 7.5 | 8.3 |
| 598 | WFCZR2 | S | MID-FLOOD | 23-Mar-07 | | | 21.2 | 5.66 | 5.64 | | 80.9 | 79.2 | 7.9 | 32.5 | 5.9 | 5.9 | | 11.5 | |
| 599 | WFCZR2 | M | MID-FLOOD | 23-Mar-07 | 9:45 | 44.40 | 21.2 | 5.78 | 5.81 | 5.72 | 78.7 | 78.6 | 7.9 | 32.5 | 6.1 | 6.1 | | 11.0 | |
| 600 | WFCZR2 | B | MID-FLOOD | 23-Mar-07 | | | 21.1 | 5.93 | 5.95 | 5.94 | 79.4 | 79.7 | 7.9 | 32.5 | 6.7 | 6.6 | 6.2 | 7.5 | 10.0 |
| 601 | WWA1 | S | MID-EBB | 26-Mar-07 | | | 22.2 | 5.81 | 5.84 | | 80.4 | 80.0 | 7.9 | 31.8 | 3.7 | 3.7 | | 5.5 | |
| 602 | WWA1 | M | MID-EBB | 26-Mar-07 | 17:20 | 6.90 | 22.3 | 5.60 | 5.52 | 5.69 | 78.8 | 78.4 | 7.9 | 31.8 | 3.9 | 4.0 | | 12.5 | |
| 603 | WWA1 | B | MID-EBB | 26-Mar-07 | | | 22.3 | 5.78 | 5.75 | 5.77 | 82.0 | 81.1 | 7.9 | 31.8 | 3.6 | 3.6 | 3.7 | 8.5 | 8.8 |
| 604 | WWA2 | S | MID-EBB | 26-Mar-07 | | | 22.3 | 5.40 | 5.33 | | 77.4 | 76.9 | 7.9 | 31.7 | 3.5 | 3.5 | | 9.0 | |
| 605 | WWA2 | M | MID-EBB | 26-Mar-07 | 17:34 | 7.50 | 22.3 | 5.50 | 5.60 | 5.46 | 76.8 | 76.0 | 7.9 | 31.8 | 4.5 | 4.5 | | 8.0 | |
| 606 | WWA2 | B | MID-EBB | 26-Mar-07 | | | 22.3 | 5.79 | 5.95 | 5.87 | 78.9 | 78.8 | 7.9 | 31.7 | 3.6 | 3.6 | 3.9 | 16.0 | 11.0 |
| 607 | WWA3 | S | MID-EBB | 26-Mar-07 | | | 22.6 | 5.35 | 5.36 | | 72.1 | 71.8 | 7.9 | 31.5 | 3.3 | 3.3 | | 9.5 | |
| 608 | WWA3 | M | MID-EBB | 26-Mar-07 | 17:48 | 6.60 | 22.4 | 5.49 | 5.47 | 5.42 | 79.4 | 78.8 | 7.9 | 31.6 | 4.3 | 4.3 | | 10.0 | |
| 609 | WWA3 | B | MID-EBB | 26-Mar-07 | | | 22.5 | 5.53 | 5.51 | 5.52 | 80.5 | 79.5 | 7.9 | 31.5 | 3.4 | 3.4 | 3.7 | 11.0 | 10.2 |
| 610 | WRA1 | S | MID-EBB | 26-Mar-07 | | | 22.3 | 5.98 | 5.99 | | 83.0 | 83.2 | 7.9 | 31.9 | 2.9 | 3.0 | | 8.0 | |
| 611 | WRA1 | M | MID-EBB | 26-Mar-07 | 17:09 | 39.20 | 22.3 | 5.51 | 5.46 | 5.74 | 78.8 | 78.1 | 7.9 | 31.9 | 3.3 | 3.4 | | 8.0 | |
| 612 | WRA1 | B | MID-EBB | 26-Mar-07 | | | 22.3 | 5.35 | 5.34 | 5.35 | 79.5 | 78.8 | 7.9 | 32.0 | 3.0 | 3.1 | 3.1 | 10.0 | 8.7 |
| 613 | WRA2 | S | MID-EBB | 26-Mar-07 | | | 22.0 | 5.77 | 5.75 | | 81.2 | 80.8 | 7.9 | 31.8 | 3.6 | 3.7 | | 7.5 | |
| 614 | WRA2 | M | MID-EBB | 26-Mar-07 | 16:57 | 33.10 | 21.9 | 5.95 | 5.92 | 5.85 | 82.4 | 82.3 | 7.9 | 32.0 | 3.7 | 3.7 | | 7.0 | |
| 615 | WRA2 | B | MID-EBB | 26-Mar-07 | | | 22.0 | 5.58 | 5.57 | 5.58 | 76.6 | 75.2 | 7.9 | 32.0 | 4.2 | 4.1 | 3.8 | 8.5 | 7.7 |
| 616 | WRA3 | S | MID-EBB | 26-Mar-07 | | | 22.0 | 5.69 | 5.66 | | 81.2 | 80.3 | 7.9 | 31.8 | 4.2 | 4.2 | | 9.0 | |
| 617 | WRA3 | M | MID-EBB | 26-Mar-07 | 16:45 | 31.50 | 22.0 | 5.56 | 5.51 | 5.61 | 81.4 | 80.4 | 7.9 | 31.9 | 3.9 | 3.8 | | 8.5 | |

| Lab ID | Location | Position | Tide | Sampling Date | Time | Water depth, m | Temp. °C | DO, mg/L (1) | DO, mg/L (2) | DO, Average value | DO, % saturation (1) | DO, % saturation (2) | pH, Unit | Salinity, ppt | Turbidity, NTU (1) | Turbidity, NTU (2) | NTU, Averaged Value | Suspended Solid, mg/L | SS, Averaged Value |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 618 | WRA3 | B | MID-EBB | 26-Mar-07 | | | 21.9 | 5.78 | 5.91 | 5.85 | 78.8 | 78.7 | 7.9 | 32.0 | 3.1 | 3.1 | 3.7 | 12.0 | 9.8 |
| 619 | WWFCZ1 | S | MID-EBB | 26-Mar-07 | | | 21.9 | 5.45 | 5.43 | | 79.4 | 78.7 | 7.9 | 31.5 | 3.3 | 3.4 | | 7.0 | |
| 620 | WWFCZ1 | M | MID-EBB | 26-Mar-07 | 16:08 | 40.80 | 21.8 | 5.43 | 5.42 | 5.43 | 81.3 | 80.8 | 7.9 | 31.9 | 3.9 | 3.9 | | 8.5 | |
| 621 | WWFCZ1 | B | MID-EBB | 26-Mar-07 | | | 21.7 | 6.11 | 6.07 | 6.09 | 83.6 | 83.9 | 7.9 | 32.1 | 4.0 | 3.9 | 3.7 | 16.0 | 10.5 |
| 622 | WWFCZ2 | S | MID-EBB | 26-Mar-07 | | | 22.0 | 5.48 | 5.47 | | 77.4 | 76.5 | 7.9 | 31.5 | 2.3 | 2.4 | | 19.0 | |
| 623 | WWFCZ2 | M | MID-EBB | 26-Mar-07 | 16:20 | 41.90 | 21.8 | 5.53 | 5.50 | 5.50 | 78.7 | 77.3 | 7.9 | 31.9 | 3.8 | 3.8 | | 9.0 | |
| 624 | WWFCZ2 | B | MID-EBB | 26-Mar-07 | | | 21.7 | 5.89 | 5.86 | 5.88 | 82.7 | 82.0 | 7.9 | 32.3 | 4.3 | 4.3 | 3.5 | 9.0 | 12.3 |
| 625 | WFCZR1 | S | MID-EBB | 26-Mar-07 | | | 22.0 | 5.54 | 5.50 | | 79.4 | 78.6 | 7.9 | 31.5 | 3.4 | 3.4 | | 10.5 | |
| 626 | WFCZR1 | M | MID-EBB | 26-Mar-07 | 16:00 | 41.20 | 21.9 | 5.89 | 5.91 | 5.71 | 81.1 | 80.7 | 7.9 | 31.9 | 4.0 | 3.8 | | 9.0 | |
| 627 | WFCZR1 | B | MID-EBB | 26-Mar-07 | | | 21.8 | 5.62 | 5.57 | 5.60 | 80.0 | 79.3 | 7.9 | 32.2 | 3.8 | 3.7 | 3.7 | 10.0 | 9.8 |
| 628 | WFCZR2 | S | MID-EBB | 26-Mar-07 | | | 22.0 | 5.54 | 5.48 | | 80.6 | 79.4 | 7.9 | 31.6 | 3.5 | 3.5 | | 9.0 | |
| 629 | WFCZR2 | M | MID-EBB | 26-Mar-07 | 16:33 | 41.70 | 21.9 | 5.78 | 5.75 | 5.64 | 82.4 | 81.7 | 7.9 | 32.1 | 4.1 | 4.1 | | 9.0 | |
| 630 | WFCZR2 | B | MID-EBB | 26-Mar-07 | | | 21.9 | 5.41 | 5.37 | 5.39 | 77.9 | 76.9 | 7.9 | 32.2 | 4.5 | 4.5 | 4.0 | 9.5 | 9.2 |
| 631 | WWA1 | S | MID-FLOOD | 26-Mar-07 | | | 21.9 | 5.43 | 5.40 | | 76.0 | 75.4 | 7.9 | 31.5 | 3.7 | 3.7 | | 13.5 | |
| 632 | WWA1 | M | MID-FLOOD | 26-Mar-07 | 11:30 | 7.20 | 22.0 | 5.77 | 5.79 | 5.60 | 78.1 | 78.2 | 7.9 | 31.5 | 4.1 | 4.1 | | 21.5 | |
| 633 | WWA1 | B | MID-FLOOD | 26-Mar-07 | | | 21.9 | 5.96 | 5.88 | 5.92 | 82.0 | 82.3 | 7.9 | 31.5 | 3.6 | 3.7 | 3.8 | 14.5 | 16.5 |
| 634 | WWA2 | S | MID-FLOOD | 26-Mar-07 | | | 21.9 | 5.48 | 5.45 | | 78.6 | 77.6 | 7.9 | 31.5 | 3.5 | 3.5 | | 11.5 | |
| 635 | WWA2 | M | MID-FLOOD | 26-Mar-07 | 11:44 | 8.10 | 21.9 | 5.69 | 5.55 | 5.54 | 80.9 | 80.0 | 7.9 | 31.6 | 4.2 | 4.3 | | 9.0 | |
| 636 | WWA2 | B | MID-FLOOD | 26-Mar-07 | | | 22.0 | 5.75 | 5.76 | 5.76 | 80.8 | 80.7 | 7.9 | 31.5 | 3.8 | 3.8 | 3.8 | 12.5 | 11.0 |
| 637 | WWA3 | S | MID-FLOOD | 26-Mar-07 | | | 21.9 | 5.45 | 5.41 | | 77.5 | 76.7 | 7.9 | 31.6 | 3.0 | 2.8 | | 11.5 | |
| 638 | WWA3 | M | MID-FLOOD | 26-Mar-07 | 11:58 | 6.80 | 21.9 | 5.85 | 5.84 | 5.64 | 80.1 | 80.0 | 7.9 | 31.5 | 4.0 | 4.1 | | 8.0 | |
| 639 | WWA3 | B | MID-FLOOD | 26-Mar-07 | | | 21.9 | 5.95 | 5.96 | 5.96 | 81.3 | 81.1 | 7.9 | 31.6 | 3.3 | 3.2 | 3.4 | 10.0 | 9.8 |
| 640 | WRA1 | S | MID-FLOOD | 26-Mar-07 | | | 21.9 | 5.69 | 5.67 | | 78.3 | 77.7 | 7.9 | 31.3 | 3.1 | 3.3 | | 5.5 | |
| 641 | WRA1 | M | MID-FLOOD | 26-Mar-07 | 11:17 | 39.60 | 21.9 | 5.61 | 5.52 | 5.62 | 79.0 | 78.2 | 7.9 | 31.5 | 2.5 | 2.9 | | 5.5 | |
| 642 | WRA1 | B | MID-FLOOD | 26-Mar-07 | | | 21.9 | 5.82 | 5.84 | 5.83 | 82.4 | 81.0 | 7.9 | 31.3 | 3.0 | 2.8 | 2.9 | 5.5 | 5.5 |
| 643 | WRA2 | S | MID-FLOOD | 26-Mar-07 | | | 21.9 | 5.52 | 5.51 | | 78.6 | 77.2 | 7.9 | 31.4 | 3.4 | 3.4 | | 6.0 | |
| 644 | WRA2 | M | MID-FLOOD | 26-Mar-07 | 11:03 | 33.80 | 21.9 | 5.83 | 5.81 | 5.67 | 80.3 | 80.1 | 7.9 | 31.4 | 3.7 | 3.8 | | 7.5 | |
| 645 | WRA2 | B | MID-FLOOD | 26-Mar-07 | | | 21.7 | 5.73 | 5.72 | 5.73 | 78.4 | 78.3 | 7.9 | 32.0 | 4.0 | 4.1 | 3.7 | 5.5 | 6.3 |
| 646 | WRA3 | S | MID-FLOOD | 26-Mar-07 | | | 21.9 | 5.33 | 5.31 | | 73.4 | 73.3 | 7.9 | 31.5 | 2.9 | 2.8 | | 7.5 | |
| 647 | WRA3 | M | MID-FLOOD | 26-Mar-07 | 10:50 | 31.70 | 21.9 | 5.50 | 5.45 | 5.40 | 79.0 | 78.3 | 7.9 | 31.7 | 3.5 | 3.6 | | 11.0 | |
| 648 | WRA3 | B | MID-FLOOD | 26-Mar-07 | | | 21.8 | 5.85 | 5.86 | 5.86 | 83.4 | 82.9 | 7.9 | 32.1 | 3.2 | 3.2 | 3.2 | 9.0 | 9.2 |
| 649 | WWFCZ1 | S | MID-FLOOD | 26-Mar-07 | | | 21.9 | 5.65 | 5.62 | | 79.8 | 79.4 | 7.9 | 31.5 | 3.3 | 3.4 | | 5.0 | |
| 650 | WWFCZ1 | M | MID-FLOOD | 26-Mar-07 | 10:12 | 41.30 | 21.8 | 5.62 | 5.59 | 5.62 | 79.0 | 78.5 | 7.9 | 31.6 | 4.1 | 4.1 | | 6.5 | |
| 651 | WWFCZ1 | B | MID-FLOOD | 26-Mar-07 | | | 21.7 | 5.59 | 5.60 | 5.60 | 76.1 | 76.2 | 7.9 | 32.0 | 4.1 | 4.2 | 3.9 | 6.0 | 5.8 |
| 652 | WWFCZ2 | S | MID-FLOOD | 26-Mar-07 | | | 21.8 | 5.46 | 5.50 | | 75.3 | 74.8 | 7.9 | 31.4 | 2.4 | 2.5 | | 7.5 | |
| 653 | WWFCZ2 | M | MID-FLOOD | 26-Mar-07 | 10:22 | 42.20 | 21.8 | 5.63 | 5.59 | 5.55 | 80.3 | 79.3 | 7.9 | 31.8 | 3.8 | 3.7 | | 5.5 | |
| 654 | WWFCZ2 | B | MID-FLOOD | 26-Mar-07 | | | 21.7 | 5.45 | 5.43 | 5.44 | 75.8 | 75.4 | 7.9 | 32.1 | 3.5 | 3.5 | 3.2 | 7.5 | 6.8 |
| 655 | WFCZR1 | S | MID-FLOOD | 26-Mar-07 | | | 22.8 | 5.52 | 5.52 | | 80.4 | 79.4 | 7.9 | 31.0 | 3.3 | 3.2 | | 9.0 | |
| 656 | WFCZR1 | M | MID-FLOOD | 26-Mar-07 | 10:00 | 41.60 | 21.9 | 5.43 | 5.44 | 5.48 | 74.8 | 74.1 | 7.9 | 32.3 | 4.1 | 4.2 | | 8.5 | |
| 657 | WFCZR1 | B | MID-FLOOD | 26-Mar-07 | | | 21.9 | 5.56 | 5.41 | 5.49 | 76.0 | 75.1 | 7.9 | 32.3 | 4.1 | 4.1 | 3.8 | 7.5 | 8.3 |
| 658 | WFCZR2 | S | MID-FLOOD | 26-Mar-07 | | | 21.9 | 5.73 | 5.74 | | 80.5 | 80.0 | 7.9 | 31.5 | 3.6 | 3.5 | | 11.5 | |
| 659 | WFCZR2 | M | MID-FLOOD | 26-Mar-07 | 10:38 | 42.10 | 21.8 | 5.63 | 5.61 | 5.68 | 78.2 | 78.0 | 7.9 | 31.8 | 4.2 | 4.3 | | 11.0 | |
| 660 | WFCZR2 | B | MID-FLOOD | 26-Mar-07 | | | 21.8 | 5.92 | 5.93 | 5.93 | 80.3 | 80.8 | 7.9 | 31.9 | 4.2 | 4.2 | 4.0 | 7.5 | 10.0 |
| 661 | WWA1 | S | MID-EBB | 28-Mar-07 | | | 22.3 | 5.65 | 5.75 | | 76.5 | 76.5 | 7.9 | 31.2 | 2.4 | 2.4 | | 11.5 | |





| Lab ID | Location | Position | Tide | Sampling Date | Time | Water depth, m | Temp. °C | DO, mg/L (1) | DO, mg/L (2) | DO, Average value | DO, % saturation (1) | DO, % saturation (2) | pH, Unit | Salinity, ppt | Turbidity, NTU (1) | Turbidity, NTU (2) | NTU, Averaged Value | Suspended Solid, mg/L | SS, Averaged Value |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 662 | WWA1 | M | MID-EBB | 28-Mar-07 | 13:33 | 7.10 | 22.2 | 5.82 | 5.79 | 5.75 | 83.1 | 82.5 | 7.9 | 31.2 | 2.8 | 2.7 | | 9.5 | |
| 663 | WWA1 | B | MID-EBB | 28-Mar-07 | | | 22.2 | 5.83 | 5.78 | 5.81 | 82.5 | 81.7 | 7.9 | 31.4 | 2.9 | 2.9 | 2.7 | 9.5 | 10.2 |
| 664 | WWA2 | S | MID-EBB | 28-Mar-07 | | | 22.1 | 5.85 | 5.82 | | 83.0 | 82.9 | 7.9 | 31.2 | 4.1 | 4.3 | | 5.5 | |
| 665 | WWA2 | M | MID-EBB | 28-Mar-07 | 13:45 | 7.40 | 22.1 | 5.84 | 5.79 | 5.83 | 83.2 | 82.3 | 7.9 | 31.6 | 2.9 | 2.8 | | 6.0 | |
| 666 | WWA2 | B | MID-EBB | 28-Mar-07 | | | 22.1 | 5.96 | 5.99 | 5.98 | 80.7 | 80.3 | 7.9 | 31.7 | 3.5 | 3.5 | 3.5 | 8.5 | 6.7 |
| 667 | WWA3 | S | MID-EBB | 28-Mar-07 | | | 22.0 | 6.21 | 6.19 | | 88.0 | 87.3 | 7.9 | 31.6 | 2.6 | 2.5 | | 7.5 | |
| 668 | WWA3 | M | MID-EBB | 28-Mar-07 | 13:57 | 6.80 | 22.0 | 5.78 | 5.62 | 5.95 | 81.8 | 81.0 | 7.9 | 31.6 | 2.4 | 2.4 | | 10.0 | |
| 669 | WWA3 | B | MID-EBB | 28-Mar-07 | | | 22.0 | 5.51 | 5.51 | 5.51 | 75.8 | 74.0 | 7.9 | 31.7 | 2.8 | 2.9 | 2.6 | 11.5 | 9.7 |
| 670 | WRA1 | S | MID-EBB | 28-Mar-07 | | | 22.2 | 5.45 | 5.46 | | 76.1 | 75.8 | 7.9 | 31.5 | 2.1 | 2.1 | | 7.5 | |
| 671 | WRA1 | M | MID-EBB | 28-Mar-07 | 13:20 | 40.10 | 22.1 | 5.61 | 5.55 | 5.52 | 81.8 | 80.7 | 7.9 | 31.6 | 2.7 | 2.7 | | 7.0 | |
| 672 | WRA1 | B | MID-EBB | 28-Mar-07 | | | 22.0 | 5.68 | 5.69 | 5.69 | 79.5 | 79.4 | 7.9 | 31.6 | 3.0 | 2.8 | 2.6 | 6.5 | 7.0 |
| 673 | WRA2 | S | MID-EBB | 28-Mar-07 | | | 22.2 | 5.51 | 5.47 | | 79.2 | 78.1 | 7.9 | 31.3 | 2.3 | 2.4 | | 8.0 | |
| 674 | WRA2 | M | MID-EBB | 28-Mar-07 | 13:06 | 34.20 | 22.1 | 5.34 | 5.32 | 5.41 | 73.6 | 73.7 | 7.9 | 31.6 | 3.4 | 3.4 | | 5.0 | |
| 675 | WRA2 | B | MID-EBB | 28-Mar-07 | | | 22.0 | 5.70 | 5.70 | 5.70 | 77.5 | 77.4 | 7.9 | 32.3 | 3.8 | 3.7 | 3.2 | 6.5 | 6.5 |
| 676 | WRA3 | S | MID-EBB | 28-Mar-07 | | | 22.4 | 5.69 | 5.71 | | 77.7 | 77.9 | 7.9 | 31.1 | 2.2 | 2.3 | | 7.0 | |
| 677 | WRA3 | M | MID-EBB | 28-Mar-07 | 12:53 | 33.60 | 22.1 | 5.40 | 5.39 | 5.55 | 76.7 | 76.7 | 7.9 | 32.1 | 3.2 | 3.2 | | 11.0 | |
| 678 | WRA3 | B | MID-EBB | 28-Mar-07 | | | 22.0 | 5.56 | 5.54 | 5.55 | 79.0 | 78.5 | 7.9 | 32.3 | 4.2 | 4.2 | 3.2 | 6.5 | 8.2 |
| 679 | WWFCZ1 | S | MID-EBB | 28-Mar-07 | | | 22.2 | 5.50 | 5.41 | | 73.3 | 72.8 | 7.9 | 31.7 | 3.0 | 2.8 | | 8.5 | |
| 680 | WWFCZ1 | M | MID-EBB | 28-Mar-07 | 12:12 | 41.10 | 22.1 | 5.54 | 5.50 | 5.49 | 75.3 | 74.7 | 7.9 | 31.9 | 3.4 | 3.4 | | 5.5 | |
| 681 | WWFCZ1 | B | MID-EBB | 28-Mar-07 | | | 22.0 | 5.55 | 5.52 | 5.54 | 78.2 | 78.0 | 7.9 | 32.3 | 4.3 | 4.3 | 3.5 | 10.0 | 8.0 |
| 682 | WWFCZ2 | S | MID-EBB | 28-Mar-07 | | | 22.1 | 5.50 | 5.46 | | 79.8 | 77.3 | 7.9 | 31.6 | 2.5 | 2.6 | | 7.0 | |
| 683 | WWFCZ2 | M | MID-EBB | 28-Mar-07 | 12:28 | 42.30 | 22.1 | 5.43 | 5.44 | 5.46 | 73.6 | 73.9 | 7.9 | 31.8 | 2.9 | 2.8 | | 6.0 | |
| 684 | WWFCZ2 | B | MID-EBB | 28-Mar-07 | | | 22.0 | 5.65 | 5.60 | 5.63 | 82.5 | 81.6 | 7.9 | 32.0 | 3.7 | 3.7 | 3.0 | 9.5 | 7.5 |
| 685 | WFCZR1 | S | MID-EBB | 28-Mar-07 | | | 22.7 | 5.58 | 5.50 | | 76.8 | 77.4 | 7.9 | 31.2 | 4.3 | 4.3 | | 6.0 | |
| 686 | WFCZR1 | M | MID-EBB | 28-Mar-07 | 12:00 | 41.70 | 22.3 | 5.98 | 5.97 | 5.76 | 81.9 | 81.6 | 7.9 | 32.4 | 4.1 | 4.1 | | 15.0 | |
| 687 | WFCZR1 | B | MID-EBB | 28-Mar-07 | | | 22.2 | 5.78 | 5.76 | 5.77 | 81.8 | 81.6 | 7.9 | 32.6 | 4.2 | 4.1 | 4.2 | 7.0 | 9.3 |
| 688 | WFCZR2 | S | MID-EBB | 28-Mar-07 | | | 22.2 | 5.59 | 5.56 | | 79.9 | 79.4 | 7.9 | 31.5 | 2.7 | 2.7 | | 11.0 | |
| 689 | WFCZR2 | M | MID-EBB | 28-Mar-07 | 12:41 | 42.80 | 22.1 | 5.46 | 5.41 | 5.51 | 80.3 | 77.4 | 7.9 | 31.7 | 3.1 | 3.1 | | 6.5 | |
| 690 | WFCZR2 | B | MID-EBB | 28-Mar-07 | | | 22.0 | 5.73 | 5.70 | 5.72 | 81.4 | 80.7 | 7.9 | 32.0 | 3.2 | 3.4 | 3.0 | 9.0 | 8.8 |
| 691 | WWA1 | S | MID-FLOOD | 28-Mar-07 | | | 22.1 | 5.66 | 5.65 | | 79.9 | 78.7 | 7.9 | 31.4 | 2.5 | 2.6 | | 11.5 | |
| 692 | WWA1 | M | MID-FLOOD | 28-Mar-07 | 10:30 | 7.30 | 22.1 | 6.02 | 5.96 | 5.82 | 83.0 | 83.0 | 7.9 | 31.4 | 3.1 | 3.2 | | 12.5 | |
| 693 | WWA1 | B | MID-FLOOD | 28-Mar-07 | | | 22.1 | 5.84 | 5.83 | 5.84 | 83.2 | 81.6 | 7.9 | 31.5 | 3.2 | 3.4 | 3.0 | 8.0 | 10.7 |
| 694 | WWA2 | S | MID-FLOOD | 28-Mar-07 | | | 22.2 | 5.43 | 5.40 | | 78.6 | 77.5 | 7.9 | 31.4 | 3.3 | 3.4 | | 15.5 | |
| 695 | WWA2 | M | MID-FLOOD | 28-Mar-07 | 10:44 | 7.70 | 22.3 | 5.70 | 5.65 | 5.55 | 80.6 | 80.1 | 7.9 | 31.4 | 3.3 | 3.4 | | 11.5 | |
| 696 | WWA2 | B | MID-FLOOD | 28-Mar-07 | | | 22.3 | 5.72 | 5.67 | 5.70 | 81.3 | 80.9 | 7.9 | 31.4 | 4.1 | 4.1 | 3.6 | 15.5 | 14.2 |
| 697 | WWA3 | S | MID-FLOOD | 28-Mar-07 | | | 22.3 | 5.75 | 5.78 | | 82.0 | 81.3 | 7.9 | 31.3 | 2.9 | 2.7 | | 6.5 | |
| 698 | WWA3 | M | MID-FLOOD | 28-Mar-07 | 10:58 | 7.10 | 22.2 | 5.62 | 5.59 | 5.69 | 81.5 | 80.7 | 7.9 | 31.6 | 2.9 | 2.5 | | 11.5 | |
| 699 | WWA3 | B | MID-FLOOD | 28-Mar-07 | | | 22.2 | 5.42 | 5.40 | 5.41 | 73.9 | 74.0 | 7.9 | 31.5 | 3.1 | 3.3 | 2.9 | 18.0 | 12.0 |
| 700 | WRA1 | S | MID-FLOOD | 28-Mar-07 | | | 22.2 | 5.64 | 5.61 | | 80.1 | 79.5 | 7.9 | 31.2 | 2.2 | 2.3 | | 6.0 | |
| 701 | WRA1 | M | MID-FLOOD | 28-Mar-07 | 10:20 | 40.90 | 22.2 | 6.01 | 6.00 | 5.82 | 80.4 | 79.1 | 7.9 | 31.4 | 2.4 | 2.5 | | 11.0 | |
| 702 | WRA1 | B | MID-FLOOD | 28-Mar-07 | | | 22.0 | 5.75 | 5.69 | 5.72 | 82.6 | 81.5 | 7.9 | 32.0 | 2.9 | 2.8 | 2.5 | 8.0 | 8.3 |
| 703 | WRA2 | S | MID-FLOOD | 28-Mar-07 | | | 22.3 | 5.97 | 6.00 | | 83.2 | 82.1 | 7.9 | 31.1 | 3.1 | 3.2 | | 11.0 | |
| 704 | WRA2 | M | MID-FLOOD | 28-Mar-07 | 10:08 | 34.90 | 22.2 | 5.68 | 5.65 | 5.83 | 81.0 | 80.0 | 7.9 | 31.6 | 3.5 | 3.5 | | 6.0 | |
| 705 | WRA2 | B | MID-FLOOD | 28-Mar-07 | | | 22.1 | 5.52 | 5.49 | 5.51 | 79.0 | 78.4 | 7.9 | 32.1 | 4.1 | 4.1 | 3.6 | 9.0 | 8.7 |

| Lab ID | Location | Position | Tide | Sampling Date | Time | Water depth, m | Temp. °C | DO, mg/L (1) | DO, mg/L (2) | DO, Average value | DO, % saturation (1) | DO, % saturation (2) | pH, Unit | Salinity, ppt | Turbidity, NTU (1) | Turbidity, NTU (2) | NTU, Averaged Value | Suspended Solid, mg/L | SS, Averaged Value |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 706 | WRA3 | S | MID-FLOOD | 28-Mar-07 | | | 22.3 | 5.87 | 5.86 | | 78.0 | 77.8 | 7.9 | 31.0 | 2.5 | 2.6 | | 5.5 | |
| 707 | WRA3 | M | MID-FLOOD | 28-Mar-07 | 9:53 | 34.20 | 22.3 | 5.61 | 5.50 | 5.71 | 81.0 | 80.0 | 7.9 | 31.5 | 2.7 | 2.7 | | 5.0 | |
| 708 | WRA3 | B | MID-FLOOD | 28-Mar-07 | | | 22.1 | 5.50 | 5.46 | 5.48 | 79.9 | 79.3 | 7.9 | 32.1 | 2.9 | 2.8 | 2.7 | 10.5 | 7.0 |
| 709 | WWFCZ1 | S | MID-FLOOD | 28-Mar-07 | | | 22.5 | 5.44 | 5.43 | | 77.0 | 76.7 | 7.9 | 30.6 | 3.2 | 3.3 | | 9.5 | |
| 710 | WWFCZ1 | M | MID-FLOOD | 28-Mar-07 | 9:13 | 42.30 | 22.3 | 5.38 | 5.32 | 5.39 | 73.2 | 73.1 | 7.9 | 31.5 | 3.4 | 3.5 | | 9.5 | |
| 711 | WWFCZ1 | B | MID-FLOOD | 28-Mar-07 | | | 22.2 | 5.46 | 5.45 | 5.46 | 79.2 | 78.8 | 7.9 | 32.0 | 3.6 | 3.6 | 3.4 | 5.5 | 8.2 |
| 712 | WWFCZ2 | S | MID-FLOOD | 28-Mar-07 | | | 22.5 | 5.59 | 5.54 | | 79.4 | 78.8 | 7.9 | 30.4 | 4.1 | 4.1 | | 7.5 | |
| 713 | WWFCZ2 | M | MID-FLOOD | 28-Mar-07 | 9:28 | 42.90 | 22.2 | 5.38 | 5.36 | 5.47 | 76.7 | 76.1 | 7.9 | 31.6 | 2.9 | 2.9 | | 7.0 | |
| 714 | WWFCZ2 | B | MID-FLOOD | 28-Mar-07 | | | 22.1 | 5.82 | 5.81 | 5.82 | 81.9 | 81.4 | 7.9 | 32.0 | 3.0 | 2.9 | 3.3 | 12.5 | 9.0 |
| 715 | WFCZR1 | S | MID-FLOOD | 28-Mar-07 | | | 22.2 | 5.30 | 5.32 | | 67.0 | 66.8 | 7.9 | 30.8 | 4.1 | 4.1 | | 7.5 | |
| 716 | WFCZR1 | M | MID-FLOOD | 28-Mar-07 | 9:00 | 42.10 | 22.5 | 5.36 | 5.34 | 5.33 | 67.7 | 67.8 | 7.9 | 31.6 | 4.3 | 4.2 | | 7.0 | |
| 717 | WFCZR1 | B | MID-FLOOD | 28-Mar-07 | | | 22.1 | 5.34 | 5.32 | 5.33 | 68.0 | 68.1 | 7.9 | 32.0 | 3.1 | 3.2 | 3.8 | 8.5 | 7.7 |
| 718 | WFCZR2 | S | MID-FLOOD | 28-Mar-07 | | | 22.5 | 5.56 | 5.52 | | 79.9 | 79.1 | 7.9 | 30.3 | 3.3 | 3.2 | | 8.5 | |
| 719 | WFCZR2 | M | MID-FLOOD | 28-Mar-07 | 9:40 | 43.20 | 22.2 | 5.52 | 5.50 | 5.53 | 79.3 | 78.3 | 7.9 | 31.7 | 3.3 | 3.3 | | 9.0 | |
| 720 | WFCZR2 | B | MID-FLOOD | 28-Mar-07 | | | 22.1 | 5.81 | 5.77 | 5.79 | 80.7 | 80.5 | 7.9 | 31.9 | 3.4 | 3.6 | 3.3 | 14.5 | 10.7 |
| 721 | WWA1 | S | MID-EBB | 30-Mar-07 | | | 23.6 | 5.56 | 5.54 | | 79.4 | 79.0 | 7.9 | 30.6 | 2.2 | 2.4 | | 5.5 | |
| 722 | WWA1 | M | MID-EBB | 30-Mar-07 | 12:58 | 7.00 | 23.3 | 5.35 | 5.34 | 5.45 | 75.0 | 74.9 | 7.9 | 31.2 | 3.1 | 3.2 | | 6.0 | |
| 723 | WWA1 | B | MID-EBB | 30-Mar-07 | | | 23.4 | 5.67 | 5.68 | 5.68 | 80.1 | 79.8 | 7.9 | 31.2 | 2.2 | 2.2 | 2.5 | 7.5 | 6.3 |
| 724 | WWA2 | S | MID-EBB | 30-Mar-07 | | | 23.9 | 5.36 | 5.81 | | 76.2 | 75.9 | 7.9 | 30.3 | 3.4 | 3.5 | | 5.0 | |
| 725 | WWA2 | M | MID-EBB | 30-Mar-07 | 12:44 | 7.20 | 23.5 | 5.32 | 5.30 | 5.45 | 76.0 | 75.5 | 7.9 | 30.9 | 2.7 | 2.7 | | 11.0 | |
| 726 | WWA2 | B | MID-EBB | 30-Mar-07 | | | 23.6 | 5.57 | 5.58 | 5.58 | 77.3 | 77.4 | 7.9 | 30.9 | 3.2 | 3.4 | 3.1 | 8.0 | 8.0 |
| 727 | WWA3 | S | MID-EBB | 30-Mar-07 | | | 24.3 | 5.30 | 5.28 | | 73.5 | 73.3 | 7.9 | 30.1 | 3.0 | 2.8 | | 10.0 | |
| 728 | WWA3 | M | MID-EBB | 30-Mar-07 | 12:30 | 6.70 | 23.8 | 5.36 | 5.82 | 5.44 | 73.8 | 73.4 | 7.9 | 30.6 | 2.5 | 2.5 | | 5.5 | |
| 729 | WWA3 | B | MID-EBB | 30-Mar-07 | | | 23.7 | 5.40 | 5.37 | 5.39 | 77.6 | 77.2 | 7.9 | 30.7 | 3.2 | 3.3 | 2.9 | 5.0 | 6.8 |
| 730 | WRA1 | S | MID-EBB | 30-Mar-07 | | | 23.3 | 5.52 | 5.53 | | 77.4 | 77.3 | 7.9 | 30.7 | 2.1 | 2.2 | | 5.0 | |
| 731 | WRA1 | M | MID-EBB | 30-Mar-07 | 13:10 | 39.60 | 23.1 | 5.48 | 5.48 | 5.50 | 80.8 | 80.1 | 7.9 | 31.1 | 2.4 | 2.6 | | 5.0 | |
| 732 | WRA1 | B | MID-EBB | 30-Mar-07 | | | 23.2 | 5.64 | 5.66 | 5.65 | 79.1 | 78.8 | 7.9 | 31.4 | 2.7 | 2.7 | 2.4 | 5.5 | 5.2 |
| 733 | WRA2 | S | MID-EBB | 30-Mar-07 | | | 23.3 | 5.60 | 5.57 | | 80.4 | 78.4 | 7.9 | 30.2 | 3.2 | 3.1 | | 8.0 | |
| 734 | WRA2 | M | MID-EBB | 30-Mar-07 | 13:25 | 33.70 | 23.1 | 5.34 | 5.29 | 5.45 | 79.1 | 78.0 | 7.9 | 30.9 | 3.2 | 3.2 | | 7.5 | |
| 735 | WRA2 | B | MID-EBB | 30-Mar-07 | | | 22.9 | 5.80 | 5.79 | 5.80 | 81.1 | 80.7 | 7.9 | 31.8 | 2.5 | 2.7 | 3.0 | 13.5 | 9.7 |
| 736 | WRA3 | S | MID-EBB | 30-Mar-07 | | | 23.0 | 5.62 | 5.61 | | 81.0 | 78.4 | 7.9 | 30.6 | 3.5 | 3.5 | | 9.5 | |
| 737 | WRA3 | M | MID-EBB | 30-Mar-07 | 13:49 | 33.30 | 22.9 | 5.34 | 5.31 | 5.47 | 79.0 | 78.4 | 7.9 | 31.2 | 3.2 | 3.4 | | 6.0 | |
| 738 | WRA3 | B | MID-EBB | 30-Mar-07 | | | 22.9 | 6.30 | 5.93 | 6.12 | 80.4 | 80.6 | 7.9 | 31.7 | 4.1 | 4.2 | 3.6 | 6.5 | 7.3 |
| 739 | WWFCZ1 | S | MID-EBB | 30-Mar-07 | | | 23.0 | 5.49 | 5.51 | | 78.3 | 77.0 | 7.9 | 30.6 | 3.2 | 3.2 | | 9.5 | |
| 740 | WWFCZ1 | M | MID-EBB | 30-Mar-07 | 14:28 | 40.80 | 22.8 | 5.50 | 5.45 | 5.49 | 80.5 | 78.9 | 7.9 | 31.2 | 3.6 | 3.6 | | 6.5 | |
| 741 | WWFCZ1 | B | MID-EBB | 30-Mar-07 | | | 22.9 | 5.59 | 5.57 | 5.58 | 82.3 | 81.4 | 7.9 | 31.6 | 2.4 | 2.5 | 3.1 | 8.5 | 8.2 |
| 742 | WWFCZ2 | S | MID-EBB | 30-Mar-07 | | | 23.0 | 5.56 | 5.52 | | 80.8 | 79.2 | 7.9 | 30.6 | 2.9 | 2.8 | | 6.5 | |
| 743 | WWFCZ2 | M | MID-EBB | 30-Mar-07 | 14:13 | 41.20 | 22.8 | 5.70 | 5.69 | 5.62 | 81.8 | 81.2 | 7.9 | 31.3 | 3.2 | 3.4 | | 6.0 | |
| 744 | WWFCZ2 | B | MID-EBB | 30-Mar-07 | | | 22.8 | 5.97 | 5.98 | 5.98 | 81.1 | 82.6 | 7.9 | 31.7 | 3.2 | 3.2 | 3.1 | 8.5 | 7.0 |
| 745 | WFCZR1 | S | MID-EBB | 30-Mar-07 | | | 23.3 | 5.56 | 5.50 | | 84.5 | 82.9 | 7.9 | 30.5 | 2.6 | 2.5 | | 7.0 | |
| 746 | WFCZR1 | M | MID-EBB | 30-Mar-07 | 14:43 | 40.70 | 23.1 | 5.30 | 5.36 | 5.43 | 74.6 | 73.8 | 7.9 | 31.0 | 2.3 | 2.4 | | 12.0 | |
| 747 | WFCZR1 | B | MID-EBB | 30-Mar-07 | | | 23.0 | 5.60 | 5.61 | 5.61 | 72.4 | 75.3 | 7.9 | 31.5 | 3.3 | 3.1 | 2.7 | 7.5 | 8.8 |
| 748 | WFCZR2 | S | MID-EBB | 30-Mar-07 | | | 23.0 | 5.50 | 5.48 | | 76.0 | 77.6 | 7.9 | 30.7 | 4.1 | 4.2 | | 7.0 | |
| 749 | WFCZR2 | M | MID-EBB | 30-Mar-07 | 14:00 | 41.50 | 23.1 | 5.46 | 5.48 | 5.48 | 78.3 | 77.5 | 7.9 | 30.8 | 3.2 | 3.3 | | 8.5 | |





| Lab ID | Location | Position | Tide | Sampling Date | Time | Water depth, m | Temp °C | DO, mg/L (1) | DO, mg/L (2) | DO, Average value | DO, % saturation (1) | DO, % saturation (2) | pH, Unit | Salinity, ppt | Turbidity, NTU (1) | Turbidity, NTU (2) | NTU, Averaged Value | Suspended Solid, mg/L | SS, Averaged Value |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 750 | WFCZR2 | B | MID-EBB | 30-Mar-07 | | | 22.9 | 5.87 | 5.85 | 5.86 | 81.6 | 82.0 | 7.9 | 31.2 | 3.5 | 3.5 | 3.6 | 8.5 | 8.0 |
| 751 | WWA1 | S | MID-FLOOD | 30-Mar-07 | | | 24.6 | 6.00 | 6.02 | | 97.9 | 97.8 | 7.9 | 28.4 | 2.1 | 2.1 | | 10.0 | |
| 752 | WWA1 | M | MID-FLOOD | 30-Mar-07 | 9:27 | 7.20 | 24.6 | 6.17 | 6.11 | 6.08 | 91.2 | 90.2 | 7.9 | 28.8 | 2.8 | 2.9 | | 6.0 | |
| 753 | WWA1 | B | MID-FLOOD | 30-Mar-07 | | | 24.7 | 6.06 | 6.03 | 6.05 | 88.3 | 87.9 | 7.9 | 28.9 | 3.1 | 3.3 | 2.7 | 9.0 | 8.3 |
| 754 | WWA2 | S | MID-FLOOD | 30-Mar-07 | | | 24.6 | 6.21 | 6.22 | | 84.3 | 85.2 | 7.9 | 29.3 | 2.9 | 2.9 | | 6.5 | |
| 755 | WWA2 | M | MID-FLOOD | 30-Mar-07 | 9:13 | 7.30 | 24.6 | 6.67 | 6.04 | 6.29 | 88.5 | 87.9 | 7.9 | 29.6 | 3.7 | 3.9 | | 5.5 | |
| 756 | WWA2 | B | MID-FLOOD | 30-Mar-07 | | | 24.5 | 5.78 | 5.74 | 5.76 | 85.1 | 84.5 | 7.9 | 29.5 | 4.1 | 4.1 | 3.6 | 7.0 | 6.3 |
| 757 | WWA3 | S | MID-FLOOD | 30-Mar-07 | | | 25.3 | 5.65 | 5.60 | | 79.2 | 78.0 | 7.9 | 29.3 | 2.9 | 2.8 | | 13.0 | |
| 758 | WWA3 | M | MID-FLOOD | 30-Mar-07 | 9:00 | 6.90 | 24.9 | 5.73 | 5.70 | 5.67 | 82.2 | 87.0 | 7.9 | 29.5 | 3.6 | 3.7 | | 6.5 | |
| 759 | WWA3 | B | MID-FLOOD | 30-Mar-07 | | | 24.7 | 5.55 | 5.52 | 5.54 | 81.0 | 80.5 | 7.9 | 29.5 | 2.8 | 2.9 | 3.1 | 10.0 | 9.8 |
| 760 | WRA1 | S | MID-FLOOD | 30-Mar-07 | | | 24.6 | 7.02 | 6.99 | | 96.5 | 96.6 | 7.9 | 27.0 | 3.1 | 3.1 | | 7.0 | |
| 761 | WRA1 | M | MID-FLOOD | 30-Mar-07 | 9:40 | 40.50 | 24.5 | 5.82 | 5.80 | 6.41 | 83.5 | 83.2 | 7.9 | 29.6 | 1.5 | 1.7 | | 7.0 | |
| 762 | WRA1 | B | MID-FLOOD | 30-Mar-07 | | | 24.1 | 5.64 | 5.55 | 5.60 | 83.3 | 82.6 | 7.9 | 30.1 | 2.7 | 2.7 | 2.5 | 10.5 | 8.2 |
| 763 | WRA2 | S | MID-FLOOD | 30-Mar-07 | | | 24.4 | 6.44 | 6.42 | | 91.8 | 91.5 | 7.9 | 27.2 | 2.4 | 2.2 | | 6.5 | |
| 764 | WRA2 | M | MID-FLOOD | 30-Mar-07 | 9:53 | 34.70 | 23.9 | 6.25 | 6.22 | 6.33 | 88.6 | 88.4 | 7.9 | 29.3 | 2.3 | 2.3 | | 7.5 | |
| 765 | WRA2 | B | MID-FLOOD | 30-Mar-07 | | | 23.4 | 5.80 | 5.75 | 5.78 | 86.7 | 85.8 | 7.9 | 30.7 | 3.1 | 3.2 | 2.6 | 7.0 | 7.0 |
| 766 | WRA3 | S | MID-FLOOD | 30-Mar-07 | | | 24.4 | 6.78 | 6.74 | | 99.2 | 98.7 | 7.9 | 27.0 | 3.3 | 3.1 | | 8.5 | |
| 767 | WRA3 | M | MID-FLOOD | 30-Mar-07 | 10:06 | 34.90 | 23.5 | 6.01 | 6.03 | 6.39 | 85.7 | 85.9 | 7.9 | 30.2 | 2.8 | 2.5 | | 7.5 | |
| 768 | WRA3 | B | MID-FLOOD | 30-Mar-07 | | | 23.3 | 6.04 | 6.06 | 6.05 | 84.6 | 84.4 | 7.9 | 30.6 | 2.8 | 2.8 | 2.9 | 7.5 | 7.8 |
| 769 | WWFCZ1 | S | MID-FLOOD | 30-Mar-07 | | | 24.0 | 6.81 | 6.80 | | 98.8 | 98.0 | 7.9 | 27.7 | 3.1 | 3.2 | | 9.0 | |
| 770 | WWFCZ1 | M | MID-FLOOD | 30-Mar-07 | 10:45 | 41.60 | 23.2 | 5.60 | 5.53 | 6.19 | 79.3 | 79.3 | 7.9 | 30.4 | 3.7 | 3.7 | | 5.5 | |
| 771 | WWFCZ1 | B | MID-FLOOD | 30-Mar-07 | | | 23.1 | 5.84 | 5.78 | 5.81 | 84.4 | 84.0 | 7.9 | 30.5 | 3.0 | 2.9 | 3.3 | 5.5 | 6.7 |
| 772 | WWFCZ2 | S | MID-FLOOD | 30-Mar-07 | | | 24.1 | 6.91 | 6.88 | | 96.9 | 97.1 | 7.9 | 27.6 | 3.2 | 3.2 | | 5.5 | |
| 773 | WWFCZ2 | M | MID-FLOOD | 30-Mar-07 | 10:33 | 42.30 | 23.5 | 5.48 | 5.49 | 6.19 | 78.9 | 78.0 | 7.9 | 29.8 | 2.8 | 2.8 | | 11.5 | |
| 774 | WWFCZ2 | B | MID-FLOOD | 30-Mar-07 | | | 23.2 | 5.62 | 5.59 | 5.61 | 79.7 | 79.2 | 7.9 | 30.5 | 4.0 | 3.6 | 3.3 | 9.0 | 8.7 |
| 775 | WFCZR1 | S | MID-FLOOD | 30-Mar-07 | | | 24.0 | 6.87 | 6.84 | | 97.2 | 97.1 | 7.9 | 28.0 | 2.5 | 2.6 | | 6.5 | |
| 776 | WFCZR1 | M | MID-FLOOD | 30-Mar-07 | 10:57 | 41.70 | 23.6 | 5.75 | 5.72 | 6.30 | 82.8 | 81.9 | 7.9 | 29.6 | 3.6 | 3.5 | | 5.0 | |
| 777 | WFCZR1 | B | MID-FLOOD | 30-Mar-07 | | | 23.0 | 5.75 | 5.72 | 5.74 | 81.1 | 80.9 | 7.9 | 30.9 | 3.2 | 3.2 | 3.1 | 6.0 | 5.8 |
| 778 | WFCZR2 | S | MID-FLOOD | 30-Mar-07 | | | 24.2 | 6.53 | 6.63 | | 90.0 | 90.2 | 7.9 | 27.7 | 3.3 | 3.1 | | 7.0 | |
| 779 | WFCZR2 | M | MID-FLOOD | 30-Mar-07 | 10:20 | 42.80 | 23.3 | 5.85 | 5.83 | 6.21 | 81.7 | 80.2 | 7.9 | 30.5 | 3.2 | 3.3 | | 9.5 | |
| 780 | WFCZR2 | B | MID-FLOOD | 30-Mar-07 | | | 23.2 | 5.75 | 5.77 | 5.76 | 81.6 | 80.7 | 7.9 | 30.9 | 2.5 | 2.5 | 3.0 | 9.5 | 8.7 |

Appendix E

# Records on disposal of C&D material by barge

入帳票編號: 01995057
Chit No.:

選擇「✓」一個訂明設施:
Tick (✓) One Prescribed Facility:

- [ ] 堆填區 Landfills
- [ ] 篩選分類設施 Sorting Facilities
- [ ] 公眾填料接收設施 Public Fill Reception Facilities
- [ ] 離島廢物轉運設施 Outlying Islands Transfer Facilities

車牌號碼 Vehicle Registration Mark:
7608 V

使用日期:
Date of Use: 21.03.07

簽發人:
Issued by:

帳戶名稱:
Name of the Account-holder:
CHUN WO CONSTRUCTION & ENGINEERING CO. LTD.

屯門第三十八區填料牌
Fill Bank at
Tuen Mun Area 38

2007 MAR 23 AM 11:18

帳戶編號:
Account No.: 5005654

乙部份: 由廢物運輸商保留
Part B: retained by Waste Hauler

CEDD

# Construction and Demolition Materials Disposal Delivery Form
# 拆建物料運載記錄票

Serial No. 0000927378

*(Information contained in this form may be displayed on Internet 此表格所載資料可被上載於互聯網)*

Date: 日期: 21.3.07

Time of departure from site: 離開地盤時間:

Vehicle Licence Plate Number: 車牌號碼: 7608 V

Designated Public Filling Facility/Landfill: 指定公眾填土設施／堆填區:

Location of Site: 地盤位置:

| | | | | |
|---|---|---|---|---|
| ☐ Central & Western 中西區 | ☐ Wanchai 灣仔 | ☐ Eastern 東區 | ☐ Southern 南區 | ☐ Sai Kung 西貢 |
| ☐ Yau, Tsim, Mong 油尖旺 | ☐ Shamshuipo 深水埗 | ☐ Kowloon City 九龍城 | ☐ Wong Tai Sin 黃大仙 | ☐ Outlying Islands 離島 |
| ☐ Kwun Tong 觀塘 | ☐ Kwai Tsing 葵青 | ☐ Tsuen Wan 荃灣 | ☑ Tuen Mun 屯門 | ☐ Shatin 沙田 |
| ☐ Yuen Long 元朗 | ☐ North 北區 | ☐ Tai Po 大埔 | | |

Approximate Load: ☐ 1/4 ☑ 1/2 ☐ 3/4 ☐ Full 滿
大約承載量:

屯門第三十八區填料牌
Fill Bank at
Tuen Mun Area 38

2007 MAR 23 AM 11:18

Contract No. HY/2005/06
HY200506---

Please stick contract no. barcode above
請在上方貼上合約編號條碼

MHJV
HY/2005/06
AUTHORIZED CHOP FOR ENGINEERS REPRESENTATIVE

Chop of Designated Public Filling Facility/Landfill
公眾填土設施／堆填區蓋印

Chop of Engineer's/Architect's Representative
工程師／建築師代表蓋印

入帳票編號：
Chit No.: 01995058

選擇「✓」一個訂明設施：
Tick (✓) One Prescribed Facility:

- [✓] 堆填區 Landfills
- [ ] 篩選分類設施 Sorting Facilities
- [ ] 公眾填料接收設施 Public Fill Reception Facilities
- [ ] 離島廢物轉運設施 Outlying Islands Transfer Facilities

車牌號碼 Vehicle Registration Mark: 21608 V

使用日期：
Date of Use: 29.03.07

簽發人：
Issued by:

帳戶名稱：
Name of the Account-holder:

CHUN WO CONSTRUCTION & ENGINEERING CO. LTD.

屯門第三十八區填料庫
Fill Bank at
Tuen Mun Area 38

2007 MAR 29 AM 8:52

帳戶編號：
Account No.: 5005654

乙部份：由廢物運輸商保留

# Construction and Demolition Materials Disposal Delivery Form
# 拆建物料運載記錄票

Serial No. 0000927402

*(Information contained in this form may be displayed on Internet 此表格所載資料可被上載於互聯網)*

Date: 29.3.07

Time of departure from site: 08.03.07
日期：　離開地盤時間：

Vehicle Licence Plate Number: 21608 V
車牌號碼：

Designated Public Filling Facility/Landfill:
指定公眾填土設施／堆填區：

Location of Site:
地盤位置：

- [ ] Central & Western 中西區
- [ ] Wanchai 灣仔
- [ ] Eastern 東區
- [ ] Southern 南區
- [ ] Sai Kung 西貢
- [ ] Yau, Tsim, Mong 油尖旺
- [ ] Shamshuipo 深水埗
- [ ] Kowloon City 九龍城
- [ ] Wong Tai Sin 黃大仙
- [ ] Outlying Islands 離島
- [ ] Kwun Tong 觀塘
- [ ] Kwai Tsing 葵青
- [ ] Tsuen Wan 荃灣
- [✓] Tuen Mun 屯門
- [ ] Shatin 沙田
- [ ] Yuen Long 元朗
- [ ] North 北區
- [ ] Tai Po 大埔

Approximate Load: [ ] 1/4 [✓] 1/2 [ ] 3/4 [ ] Full滿
大約承載量：

屯門第三十八區填料庫
Fill Bank at
Tuen Mun Area 38

2007 MAR 29 AM 8:53

Contract No. HY/2005/06
HY200506—

Please stick contract no. barcode above
請在上方貼上合約編號條碼

MHJV
HY/2005/06
AUTHORIZED CHOP FOR ENGINEERS REPRESENTATIVE

Chop of Designated Public Filling Facility/Landfill

Chop of Engineer's/Architect's Representative

Appendix F

# Investigation Summary on Marine Water Quality Exceedances

Contract No. HY/2005/06
Castle Peak Road Improvement - West of Tsing Lung Tau (EP No. EP-219/2005)
Marine Water Exceedance Investigation Summary

| Date | Tide | Location | Exceedance of Monitoring Data | | | | | | | | | | ET's Investigation | CT's action | Closing Date | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | DO (mg/L) | | | | Tby (NTU) | | | SS (mg/L) | | | | | | |
| | | | Position | Baseline Check | Control Station | Level at Impact | Baseline Check | Control Station | Level at Impact | Baseline Check | Control Station | Level at Impact Station | | | | |
| 2-Mar-07 | Mid-ebb | WWA1 | - | - | - | - | - | - | - | 13.0 | 10.8 | 14.2 | Muddy water was not observed by our field staff on 02 March 2007. High SS levels (> 10 mg/L) were recorded at respective control stations. No marine works was being conducted during monitoring period. It is likely that the exceedances were attributed to an unidentified source, and not related to the construction activities of the Project, however, the Contractor was reminded to repair the silt curtain promptly to prevent the propagation of sediment plume. | No action | 16-Mar-07 | Refer to ET's field record & CT's daily records. |
| 2-Mar-07 | Mid-flood | WWA2 | - | - | - | - | - | - | - | 17.0 | 13.7 | 25.5 | Ditto | Ditto | Ditto | Ditto |
| 5-Mar-07 | Mid-ebb | WWA1 | - | - | - | - | - | - | - | 13.0 | 8.5 | 21.0 | Rainfall was observed on 05, 07 and 09 March 2007 during marine water monitoring period. Seepage of muddy water from the silt curtain was observed at Seawall B. The broken silt curtain at Seawall B has not been repaired. Silt may be washed-off from the stockpile at Seawall B to the sea via the broken silt curtain. The exceedances were likely attributed to the broken silt curtain and rainfall during monitoring periods. The Contractor was reminded to repair the silt curtain promptly. | With the amendment of silt curtain and suspension of C&D material removal by barge in late March 2007, the marine water quality has been improved. With remedial works implemented, subsequent marine water quality monitoring data (26, 28 and 30 March 2007) indicated resumption to normal ambient conditions. | 10-Apr-07 | Refer to ET's field record & CT's daily records. |
| 5-Mar-07 | Mid-ebb | WWA2 | - | - | - | - | - | - | - | 13.0 | 9.0 | 21.0 | Ditto | Ditto | Ditto | Ditto |
| 5-Mar-07 | Mid-ebb | WWA3 | - | - | - | - | - | - | - | 13.0 | 15.0 | 17.3 | Ditto | Ditto | Ditto | Ditto |
| 7-Mar-07 | Mid-ebb | WWA1 | - | - | - | - | - | - | - | 13.0 | 13.5 | 16.0 | Ditto | Ditto | Ditto | Ditto |
| 7-Mar-07 | Mid-ebb | WWA2 | - | - | - | - | - | - | - | 13.0 | 13.3 | 15.5 | Ditto | Ditto | Ditto | Ditto |
| 7-Mar-07 | Mid-ebb | WWA3 | - | - | - | - | - | - | - | 13.0 | 13.3 | 14.2 | Ditto | Ditto | Ditto | Ditto |

| Date | Tide | Location | Exceedance of Monitoring Data | | | | | | | | | | ET's Investigation | CT's action | Closing Date | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | DO (mg/L) | | | | Tby (NTU) | | | SS (mg/L) | | | | | | |
| | | | Position | Baseline Check | Control Station | Level at Impact | Baseline Check | Control Station | Level at Impact | Baseline Check | Control Station | Level at Impact Station | | | | |
| 7-Mar-07 | Mid-flood | WWA3 | - | - | - | - | - | - | - | 17.0 | 13.3 | 18.0 | Ditto | Ditto | Ditto | Ditto |
| 9-Mar-07 | Mid-ebb | WWA3 | - | - | - | - | - | - | - | 13.0 | 12.8 | 13.2 | Ditto | Ditto | Ditto | Ditto |
| 12-Mar-07 | Mid-ebb | WWFCZ1 | - | - | - | - | - | - | - | 13.0 | 7.8 | 19.0 | The impact station WWFCZ1 is located away from the construction site. Exceedances were not recorded at stations closer to the site (WWA1, WWA2 and WWA3). The exceedance was likely attributed from an unidentified source, and not related to the construction activities of the Project. The Contractor, however, was reminded to install a new silt curtain around the stockpile at Seawall B promptly. | No action | 10-Apr-07 | Refer to ET's field record & CT's daily records. |
| 16-Mar-07 | Mid-ebb | WWA3 | - | - | - | - | - | - | - | 13.0 | 9.8 | 33.7 | The silt curtain has not been repaired during marine water monitoring on 16, 19 and 21 March 2007. In addition, rainfall was observed and C&D materials were grabbed from Seawall B to the barge during marine water monitoring on 19 and 21 March 2007 respectively. The exceedances were likely attributed to grabbing of C&D materials from Seawall B to the barge together with faulty silt curtain during monitoring periods. The Contractor was reminded that the transfer of C&D materials from Seawall B to the barge should be conducted behind the silt curtain, closed grab should be used for grabbing C&D materials and the stockpile at Seawall B should be surrounded by silt curtain completely. | CT mobilized workers to repair the silt curtain on 22 March 2007. Also, the transfer of C&D materials was suspended while the silt curtain was under maintenance. With the amendment of silt curtain and suspension of C&D material removal by barge, the marine water quality has been improved. SS exceedance was not recorded on 23 March 2007, however, Tby exceedances were recorded at some monitoring station. Starting from 27 March 2007, the transfer of C&D materials by barge was conducted behind the silt curtain. CT also advised that a new silt curtain would be installed around the stockpile at Seawall B in April 2007. With remedial works implemented, subsequent marine water quality monitoring data (26, 28 and 30 March 2007) indicated resumption to normal ambient conditions. | 10-Apr-07 | Refer to ET's field record & CT's daily records. |
| 19-Mar-07 | Mid-ebb | WWA1 | - | - | - | - | 6.5 | 7.8 | 12.5 | 13.0 | 18.5 | 21.2 | Ditto | Ditto | Ditto | Ditto |

| Date | Tide | Location | Exceedance of Monitoring Data | | | | | | | | | | ET's investigation | CT's action | Closing Date | Remark |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | DO (mg/L) | | | | Tby (NTU) | | | SS (mg/L) | | | | | | |
| | | | Position | Baseline Check | Control Station | Level at Impact | Baseline Check | Control Station | Level at Impact | Baseline Check | Control Station | Level at Impact Station | | | | |
| 19-Mar-07 | Mid-ebb | WWA2 | - | - | - | - | 6.5 | 8.0 | 15.3 | 13.0 | 14.0 | 26.2 | Ditto | Ditto | Ditto | Ditto |
| 19-Mar-07 | Mid-ebb | WWA3 | - | - | - | - | 6.5 | 6.9 | 12.5 | 13.0 | 13.5 | 19.2 | Ditto | Ditto | Ditto | Ditto |
| 19-Mar-07 | Mid-ebb | WWFCZ2 | - | - | - | - | 6.5 | 5.1 | 6.6 | - | - | - | Ditto | Ditto | Ditto | Ditto |
| 19-Mar-07 | Mid-flood | WWA1 | - | - | - | - | 6.6 | 7.7 | 10.3 | - | - | - | Ditto | Ditto | Ditto | Ditto |
| 19-Mar-07 | Mid-flood | WWA2 | - | - | - | - | 6.6 | 7.4 | 11.0 | 17.0 | 11.2 | 33.8 | Ditto | Ditto | Ditto | Ditto |
| 19-Mar-07 | Mid-flood | WWA3 | - | - | - | - | 6.6 | 6.8 | 9.8 | - | - | - | Ditto | Ditto | Ditto | Ditto |
| 21-Mar-07 | Mid-ebb | WWA1 | - | - | - | - | 6.5 | 6.0 | 12.5 | 13.0 | 19.7 | 26.7 | Ditto | Ditto | Ditto | Ditto |
| 21-Mar-07 | Mid-ebb | WWA2 | - | - | - | - | 6.5 | 7.5 | 8.1 | 13.0 | 8.8 | 17.7 | Ditto | Ditto | Ditto | Ditto |
| 21-Mar-07 | Mid-ebb | WWA3 | - | - | - | - | 6.5 | 5.9 | 10.7 | 13.0 | 14.8 | 22.5 | Ditto | Ditto | Ditto | Ditto |
| 21-Mar-07 | Mid-ebb | WWFCZ2 | - | - | - | - | 6.5 | 6.5 | 9.4 | 13.0 | 9.2 | 19.5 | Ditto | Ditto | Ditto | Ditto |
| 21-Mar-07 | Mid-flood | WWA1 | - | - | - | - | 6.6 | 6.5 | 9.8 | - | - | - | Ditto | Ditto | Ditto | Ditto |
| 21-Mar-07 | Mid-flood | WWA2 | - | - | - | - | 6.6 | 7.3 | 7.8 | 13.0 | 14.8 | 26.2 | Ditto | Ditto | Ditto | Ditto |
| 21-Mar-07 | Mid-flood | WWA3 | - | - | - | - | 6.6 | 6.0 | 9.4 | - | - | - | Ditto | Ditto | Ditto | Ditto |
| 21-Mar-07 | Mid-flood | WWFCZ2 | - | - | - | - | 6.6 | 7.2 | 8.4 | 17.0 | 21.7 | 22.2 | Ditto | Ditto | Ditto | Ditto |
| 23-Mar-07 | Mid-ebb | WWA1 | - | - | - | - | 6.5 | 5.2 | 7.0 | - | - | - | Ditto | Ditto | Ditto | Ditto |
| 23-Mar-07 | Mid-ebb | WWA2 | - | - | - | - | 6.5 | 4.9 | 7.4 | - | - | - | Ditto | Ditto | Ditto | Ditto |
| 23-Mar-07 | Mid-ebb | WWA3 | - | - | - | - | 6.5 | 6.4 | 8.9 | - | - | - | Ditto | Ditto | Ditto | Ditto |
| 23-Mar-07 | Mid-flood | WWA2 | - | - | - | - | 6.6 | 4.6 | 6.9 | - | - | - | Ditto | Ditto | Ditto | Ditto |