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)

October 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) October 2007

November 2007

ENSR AECOM

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Attn: Mr. Larry Chan

16 November 2007

Dear Sir.

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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) – October 2007

We refer to the Monthly EM&A Report for Reclamation Works (EP No. EP-219/2005) — October 2007 received via email on 12 November 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 12 November 2007 and the receipt of the revised report from the ET on 15 November 2007, the Monthly EM&A Report for Reclamation Works (EP No. EP-219/2005) — October 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 8530.

Yours faithfully, For and on behalf of ENSR Asia (HK) Ltd.

Y T Tang

Independent Environmental Checker

CC

MHJV

Mr. Simon Illingworth

(Fax: 2559 1613)

Arup

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Page 1 of 1



Job title		Contract No H	IY/2005/06		Job number	
		Castle Peak F	Road Improvement – W	Vest of Tsing Lung Tau	24583	
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Executive Summary

This is the twentieth 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 October 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 5.44 mg/L was recorded at WWFCZ1 on 16 October 2007 and the lowest DO level for bottom position of 5.45 mg/L was recorded at WWA2 on 16 October 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 7.9 Nephelometric Turbidity Unit (NTU) was recorded at WWA1 on 12 October 2007. There were 2 exceedancea of Tby Limit Level on 12 October 2007 when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

The highest SS level of 27.2 mg/L was recorded at WWA1 on 12 October 2007. There were 13 exceedances of SS Baseline Check Level on 12, 13, 16, 18, 23, 25, 27 and 30 October 2007 and 1 exceedance of SS Limit Level on 12 October 2007 when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

Except for the exceedances on 12 October 2007, exceedances of SS levels on other days were likely attributed to natural variation of marine water quality and unidentified source.

Summary of Mid-Flood Tide

The lowest DO level for surface & middle position of 5.52 mg/L was recorded at WWA2 on 20 October 2007 and the lowest level for bottom position of 5.43 mg/L was recorded at WWFCZ2 on 25 October 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 11.4 NTU was recorded at WWA3 on 12 October 2007 respectively. There was 1 exceedance of Tby Limit Level on 12 October 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 20.7 mg/L was recorded at WWFCZ2 on 30 October 2007. There were 4 exceedances of SS Baseline Check Criteria on 13 and 30 October 2007 when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

Except for the exceedances on 12 October 2007, exceedances of SS levels on other days were likely attributed to natural variation of marine water quality.

Environmental Auditing

A total of 4 environmental site audits were conducted in October 2007 CT was recommended to improve in the following areas:

Air Quality: Frequent watering over unpaved area;

Waste Management: Provision of driptrays to oil drums, clearing of the oil stain and clearing of C&D waste and general refuse frequently; and

Water Quality: Clearing the silt in the sedimentation tanks and removal the remaining stockpile at Seawall B as soon as possible.

Waste Disposal

A total of 63.4 tonnes of Construction & Demolition (C&D) waste was disposed of at landfills. Neither C&D materials nor chemical waste was disposed of in the reporting period.

Complaint Records

There was no environmental complaint received in October 2007.

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. Exceedances on 12 October 2007 were likely attributed to removal of silt curtain at Seawall A near Grand Bay Villa, causing re-suspension of sediment. Exceedances of SS level recorded on other days were likely attributed to natural variation of marine water quality.

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).

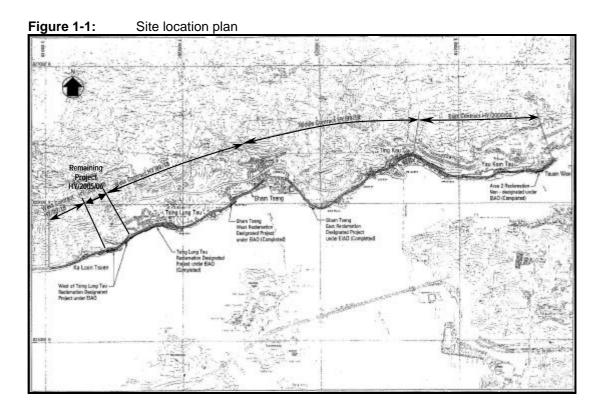
Prior to inviting tenders for Contract No. HY/99/18, a section of the proposed works, between Ch.1+800 and Ch.2+240, west of Tsing Lung Tau, was excised from the Project and entrusted to the Route 10 – North Lantau to Yuen Long Highway project. This 440m long section of CPR was located under the proposed 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:

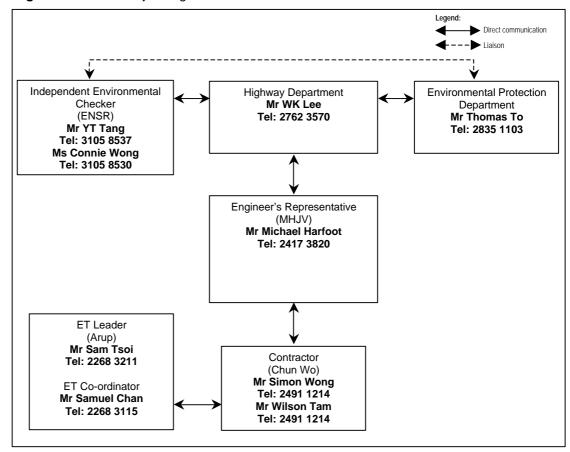
- The area of reclamation to the east of Grand Bay Villa is about 0.12 ha. The length of this part of the reclamation, measured parallel to the road, is about 107 m, and the maximum width, measured from the existing High Water Mark (HWM) to the proposed toe of the scour apron is about 16 m, of which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



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 ENSR Asia (HK) Ltd (ENSR) 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 twentieth 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 October 2007 to 31 October 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 October 2007 included:

- Removal of stockpile at Seawall A near Grand Bay Villa;
- Removal of silt curtain at Seawall A; and
- Construction of foothpath at slope 170 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 October 2007 and the tentative schedule for November 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	Leq(30 min)		1
Between 1900-2300 hours on normal weekdays		Once per	
Between 2300-0700 hours of next day	Leq(5 min)*	week	3 (consecutive)
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.

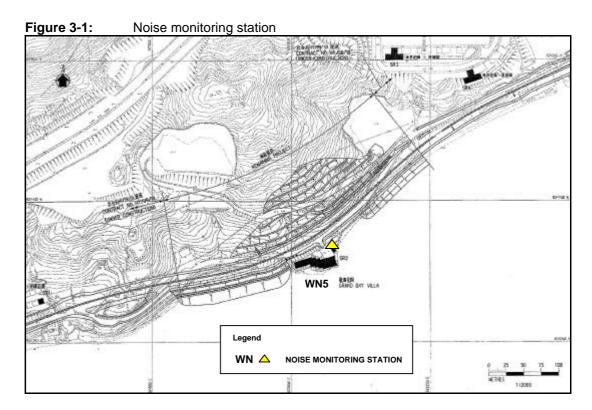
3.1.3 Monitoring Location

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.



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

Marino Wator Quality	Monitoring Location No.	Locat	tion
ivialitie water Quality	Widilitaring Location No.	Eastings	Northings
West of Grand Bay Villa	WWA1 (Impact Location)	821981	824282
West of Grand Bay vind	WRA1 (Control Location)	821776	824078
Grand Bay Villa	WWA2 (Impact Location)	822141	824352
Grand Bay Villa	WRA2 (Control Location)	822283	824107
East of Grand Bay Villa	WWA3 (Impact Location)	822222	824429
Lust of Orana bay villa	WRA3 (Control Location)	822625	824222
	WWFCZ1 (Impact Location)	823500	823870
Ma Wan Fish Culture Zone	WWFCZ2(Impact Location)	822943	823983
Wid Wall Fish Guitare Zone	WFCZR1 (Control Location)	824024	824333
	WFCZR2 (Control Location)	822677	823547

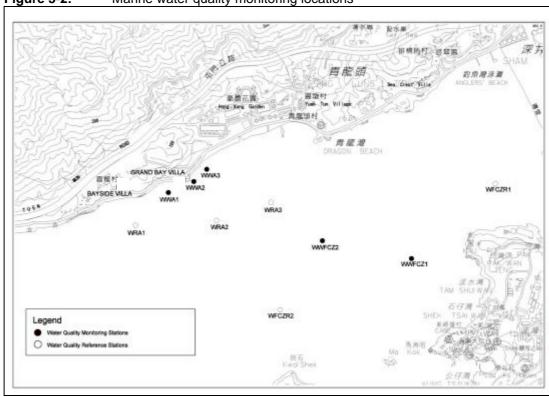


Figure 3-2: Marine water quality monitoring locations

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

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

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 **

						Monitoring	locations				
Parameters		WWA1		ww	A2	WWA3		WWFCZ1		WWFCZ2	
		Action Level	Limit Level								
					Mid	-ebb					
DO	Surface & middle	3.5	3.5	3.5	3.4	3.4	3.3	5.0 *	5.0	5.0 *	5.0
(mg/L)	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	Surface & middle	3.3	3.3	3.4	3.3	3.5	3.3	5.0 *	5.0	5.0 *	5.0
(mg/L)	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		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					
Farameters		WWA1	WWA2	WWA3	WWFCZ1	WWFCZ2	
			Mid-	ebb			
DO	Surface & middle	5.4	5.4	5.4	5.4	5.4	
(mg/L)	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-f	lood			
DO (TO TO IT)	Surface & middle	5.3	5.3	5.3	5.3	5.3	
(mg/L)	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

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

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

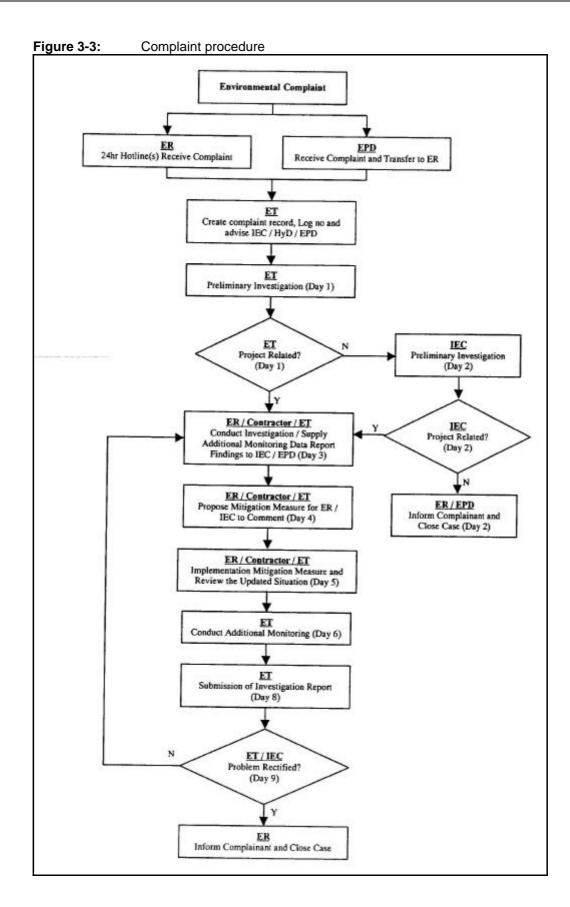
A 24-hour complaint hotline at 6277 7465 has been established for the Project. In accordance with the EM&A Manual, environmental complaints will be referred to the ET for initiation of the complaint investigation procedures. The ET will undertake the following procedures upon receipt of complaints:

- 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.
- 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.



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 451 Type 1	1
Windshield	Brii el & Kjær UA0237	IEC 651 Type 1	1
Acoustical calibrator	Brii el & Kjær 4226	- IEC 804 Type 1	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 ($L_{\rm eq}$ 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°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:

- (1) 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.
- (2) Water samples for SS measurement were collected in high density polythene bottles, packed in ice (cooled at 4°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 is illustrated in **Figures 5-1 to 5-8**.

Summary of Mid-Ebb Tide

The lowest DO level for surface & middle position of 5.44 mg/L was recorded at WWFCZ1 on 16 October 2007 and the lowest DO level for bottom position of 5.45 mg/L was recorded at WWA2 on 16 October 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 7.9 Nephelometric Turbidity Unit (NTU) was recorded at WWA1 on 12 October 2007. There were 2 exceedancea of Tby Limit Level on 12 October 2007 when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

The highest SS level of 27.2 mg/L was recorded at WWA1 on 12 October 2007. There were 13 exceedances of SS Baseline Check Level on 12, 13, 16, 18, 23, 25, 27 and 30 October 2007 and 1 exceedance of SS Limit Level on 12 October 2007 when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

Except for the exceedances on 12 October 2007, exceedances of SS levels on other days were likely attributed to natural variation of marine water quality and unidentified source.

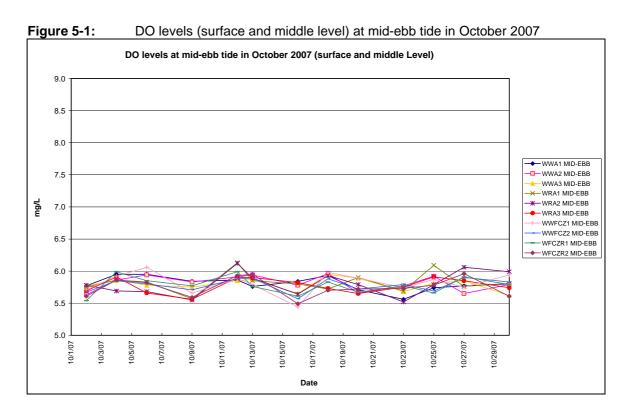
Summary of Mid-Flood Tide

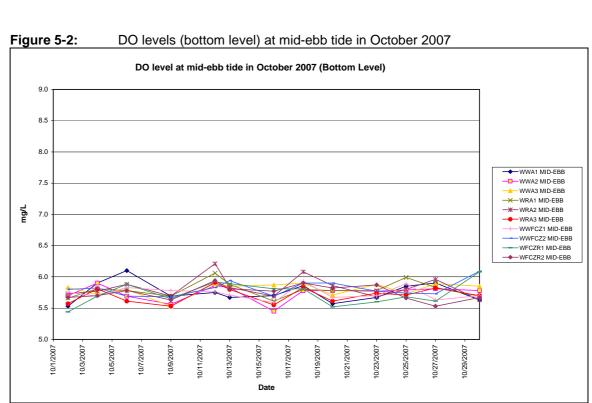
The lowest DO level for surface & middle position of 5.52 mg/L was recorded at WWA2 on 20 October 2007 and the lowest level for bottom position of 5.43 mg/L was recorded at WWFCZ2 on 25 October 2007. There was no exceedance of DO level during reporting period when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

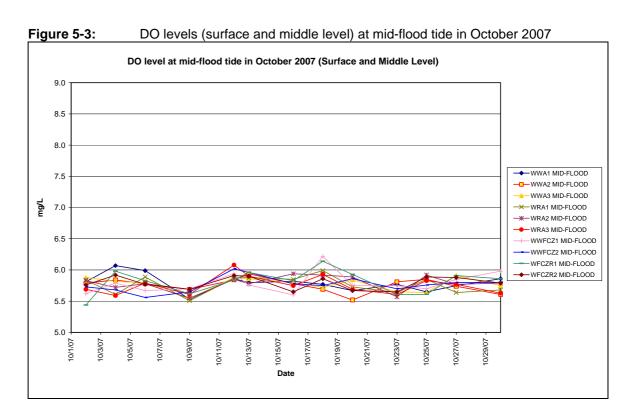
The highest depth-averaged Tby level of 11.4 NTU was recorded at WWA3 on 12 October 2007 respectively. There was 1 exceedance of Tby Limit Level on 12 October 2007 during reporting period when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

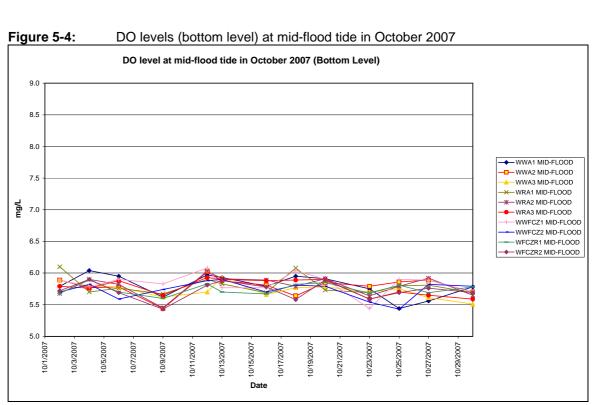
The highest SS level of 20.7 mg/L was recorded at WWFCZ2 on 30 October 2007. There were 4 exceedances of SS Baseline Check Criteria on 13 and 30 October 2007 when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

Except for the exceedances on 12 October 2007, exceedances of SS levels on other days were likely attributed to natural variation of marine water quality.









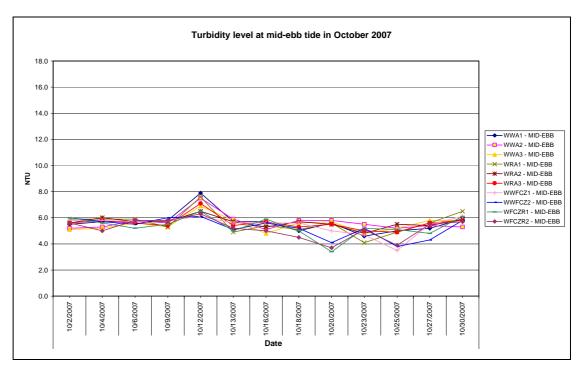
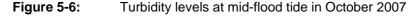
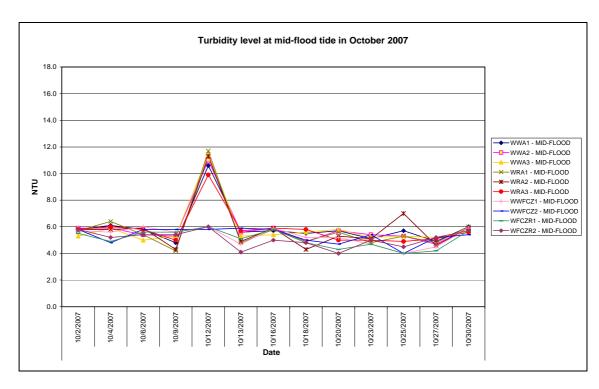


Figure 5-5: Turbidity levels at mid-ebb tide in October 2007





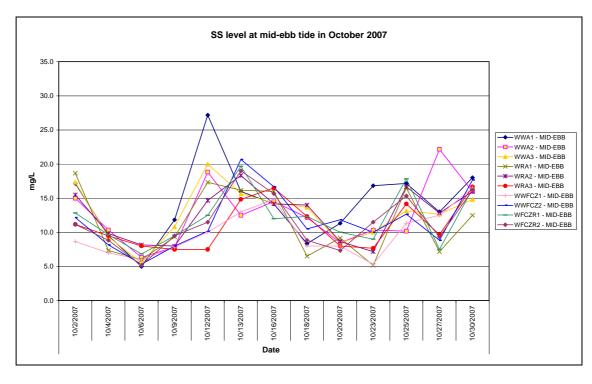
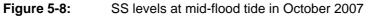
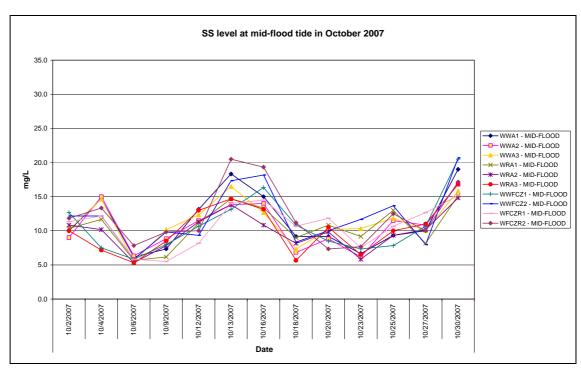


Figure 5-7: SS levels at mid-ebb tide in October 2007





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

6.1 Site Audit Findings

Four weekly environmental site audits were carried out on 05, 12, 18 and 26 October 2007. The findings of the site audits are summarised in **Table 6-1**.

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

Date of Issue Raised	Observation	Advice from EA	CT's Response / Action	Closing Date
05 October 2007 (WTLT 088)	C&D waste was observed near outfall EA and EB.	CT was reminded to clear the waste.	Agreed with the ET's advice. CT had cleared the waste.	12 October 2007
	General refuse was observed outside GrandBay Villa.	CT was reminded to clear the refuse.	Agreed with the ET's advice. CT had cleared the waste.	12 October 2007
	3. Environmental Permit was not posted at Seawall A & B.		Agreed with the ET's advice. CT had posted EP at Sewall A & B.	12 October 2007
12 October 2007 (WTLT 089)	Stockpile was not covered outside CT site office.	CT was reminded to cover the stockpile.	Agreed with the ET's advice. CT had covered the stockpile.	26 October 2007
	Unpaved area was observed dry outside CT site office.	CT was reminded to provide water spraying frequently.	Agreed with the ET's advice. CT had provided water spraying over unpaved area.	26 October 2007
	Muddy effluent was discharged from the sedimentation tank at ex-Maeda site office.	the silt in the	Agreed with the ET's advice. CT advised that the silt was cleared from the sedimentation tank. The effluent quality was observed acceptable.	26 October 2007
	4. C&D waste was observed along the lagging wall.	CT was reminded to clear the waste frequently.	Agreed with the ET's advice. CT had cleared majority of waste. However, accumulation of empty cement bags was observed along lagging wall in the reporting period.	On-going
	5. A small portion of C&D materials was observed near shore at Seawall B.		Agreed with the ET's advice. CT had cleared the C&D materials.	26 October 2007

Date of Issue Raised	Observation	Advice from EA	CT's Response / Action	Closing Date
18 October 2007 (WTLT 090)	Stagnant water was observed along the u-channel at seawall A.	CT was reminded to clear the stagnant water.	Agreed with the ET's advice. CT had cleared stagnant water.	
26 October 2007 (WTLT 091)	1. C&D waste was observed outside GrandBay Villa and uchannel at Seawall A.	CT was reminded to clear the waste.	Agreed with the ET's advice. C&D waste outside GrandBay Villa had been cleared, however, C&D waste had not been cleared along the u-channel at Seawall A.	On-going

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**.

Table 6-2: Waste disposal quantity in October 2007

Type of waste or material		Disposal at	No. of loads or quantities
C&D waste		WENT Landfill	63.4 tonnes
COD motorial	By barge	Public Filling Reception Facility in	0
Cad material	material By truck Tuen Mun Area 38		0
Chemical waste)	Collected by licensed collector	0

6.3 Complaint Record

There was no environmental complaint received in October 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. Exceedances on 12 October 2007 was likely attributed to removal of silt curtain at Seawall A near Grand Bay Villa, causing resuspension of sediment. Exceedances of SS level recorded in other days were likely attributed to natural variation of marine water quality.

These exceedances are summarised in **Tables 6-3.** The details of the investigation was summarised in **Appendix E**. The details of the silt curtain inspection record were given in **Appendix F**.

Table 6-3: Summary of exceedances of marine water quality monitoring in October 2007

		2007	Exceedances of monitoring data						
Date	Tide	Location	Tby (NTU)		SS (mg/L)				
			Control Station	Impact Station	Exceedance of	Control Station	Impact Station	Exceedance of	
12-Oct	Mid-ebb	WWA1	7.6	7.9	Limit Level	17.3	27.2	Limit Level	
12-Oct	Mid-ebb	WWA2	6.5	7.5	Limit Level	14.7	18.8	Baseline Check	
12-Oct	Mid-ebb	WWA3	-	-	-	7.5	20.0	Baseline Check	
12-Oct	Mid-flood	WWA3	9.9	11.4	Limit Level	-	ı	-	
13-Oct	Mid-ebb	WWA3	ı	-	-	14.8	15.7	Baseline Check	
13-Oct	Mid-flood	WWFCZ2	ı	=	-	19.0	20.7	Baseline Check	
16-Oct	Mid-ebb	WWA2	ı	=	-	14.2	14.5	Baseline Check	
16-Oct	Mid-ebb	WWFCZ1	-	=	-	12.0	14.8	Baseline Check	
16-Oct	Mid-ebb	WWFCZ2	-	=	-	15.7	16.7	Baseline Check	
18-Oct	Mid-ebb	WWA3	-	-	-	12.3	13.7	Baseline Check	
23-Oct	Mid-ebb	WWA1	ı	=	-	5.2	16.8	Baseline Check	
25-Oct	Mid-ebb	WWA1	ı	-	-	16.5	17.2	Baseline Check	
27-Oct	Mid-ebb	WWA2	ı	=	-	12.8	22.2	Baseline Check	
30-Oct	Mid-ebb	WWA1	ı	=	-	12.5	18.0	Baseline Check	
30-Oct	Mid-ebb	WWFCZ1	-	=	-	16.3	16.5	Baseline Check	
30-Oct	Mid-ebb	WWFCZ2	-	-	-	16.2	17.7	Baseline Check	
30-Oct	Mid-flood	WWA1	-	-	-	15.2	19.0	Baseline Check	
30-Oct	Mid-flood	WWFCZ1	-	=	-	15.2	20.5	Baseline Check	
30-Oct	Mid-flood	WWFCZ2	-	-	-	17.2	20.7	Baseline Check	

6.5 Notification of Summons and Successful Prosecution

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

6.6 Environmental Licenses

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

Table 6-4: Summary of valid environmental licences in October 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

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.

The exceedances of Tby and SS recorded on 12 October 2007 were due to the removal of silt curtain at Seawall A near Grand Bay Villa, causing re-suspension of sediment. The remaining exceedances of Tby and SS level recorded in the reporting period were likely due to natural variation of marine water.

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 mitigation measures on air quality, water quality and waste management have been recommended.

C&D materials were transported to PFRF at Tuen Mun Area 38 by 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

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State Control Cont	2000 Temp Cut / Stape Stabilisation (Ch 2130-2;	53 28/08/06	1/10/06		Cut / Slope St.	billsation (Ch 2130-2200)				
100 100			5/11/06		Excavallon to Ro	td Formation		. ,,		
Make Concrete Well Constitution 2 1401077 1703077 1402077 15020		60 27/10/06	70/10%		HANDERS OF THE OWNER, WHEN THE	ng Pro-Bored H-Pile (30 n				
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120 Stope Mechanism (Works) 22 1502070 1707307			702/07			Elitass Concrete Wall Co	nstruct			
Act Construction	Į	Į	103/07		***	Frank Slope Re-Insta	(eman) Works	to the state of th		
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Plant Mobilization & Testing 2 2000/06/2 21/03/06 2000/06/2 21/03/06 21/03	ed Pile Construction - B01.23 - B01.33							,		
			1/03/06	Plant Mobilization & Tooling						
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13 13 13 13 13 13 13 13	•	5 24/03/06	3/03/06	Initial Setting up for Bored Pile	a Construction					
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2000-20 ENGREGATE CONTROLL FOR THE STATE OF	V-45150311						*			
Patronia issa Parameter Celebrate Model Improvment West of Taing Lung Tau Casite Peak Road Improvment West of Taing Lung Tau Contract No. HY/2005/06 Casite Peak Road Improvment West of Taing Lung Tau			Early Bar Process Ba	cany	We Construction & Eng. Co. Ltd		Cate	Hevision	Checked	yay
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Ì	2 16/04/06	18/04/05	Plant Mobilization & Testing A		7
4BP3090 Formation of Tempoary Working Platform 31-33	3 20/04/06	22/04/06	Formation of Tampoary Working Platform 31-33	ora 31-33	
48P3100 Initial Setting up for Bored Pile Construction	5 24/04/06	28/04/08	Initial Setting up for Bored Pile Construction	MUCH ON	
	15 29/04/05	18/05/06	Mara 2.5 Dia Borod Pile Construction (B01,33)	(B0(33)	
ĺ	1 19/05/06	19/05/06	Set Up for Bored Pile B01.31		man var e
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4BP3133 Set Up for Bored Pile B01.30	1 21/07/06	21/07/06	Set Up for Bored Pile B01.30	Pile BOL 30	er c share
4BP3134 2.5 Dia Bored Pile Construction (B01,30)	11 22/07/06	03/08/06	MEZ.S.Dia Bored P	R.S. Stya Borned Pile Construction (BOT.30)	
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4BP3136 2.5 Dia Bored Pile Construction (801.28)	16 05/08/06	23/08/06	2.5 Dia Bor	2.5 bia Bond Pile Construction (Bot 28)	
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4BP3170 Top Capping Beam	22 04/01/07	29/01/07		Control of the Contro	
4BP3180 Wall Facing Panel Installation	40 30/01/07	1 2010/66		of the control of the	THE COMMENS OF A SECRETARIST CONTRACTOR OF THE PROPERTY OF THE
4RW4100 [Construct F/B BR3 designes & vertenmin	20/Ottecinz i	42/04/07			
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	1 08/02/07	08/02/07		Managed Company of the New York of the Company of t	
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	40 09/02/07	09/04/07		The state of the s	****
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	15 0305/07	24/04/07		Construct With Hard Kerb, Barriera Surfacing	
		0201,07		MTH CONSILION WAS A CONTROLLED WAS A CON	
T	1 00001/02	2010400		established Freponsion	
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Area 3 Construction(Ch1+32/5 to Ch2+030)					
Seawall A Construction					77 TO 87% NO.
35WA0500 Sawall A construction	268* 04M3/NB	27/10/08		:	
3SWA0600 Notilication to Marine Dept. 8. EPD	28 07/01/06	T	[Molfication to Marine Danf & EDD	TO THE PROPERTY OF THE PROPERT	· •••• /
١.		Τ	Curtain		W. 7 V.
35WA1000 Dredging / Rockfill(700)	04/02/06		Dredging / Rockfill(700)		rania man
	04/04/08	T	MR-MARINE Place rockfill(700)		
3SWA1200 Place rock armour	21 03/06/06	27/06/06	Family Place tock armour	to the second se	
	70 28/06/06	15/09/06	Management of the Const	Construct lower RC retaining wall (Bay 1-14)	n. 1 Nav
	32 25/08/06	30/08/06		MPHace rockfill(200)	Maria shek
	22 16/09/06	13/10/06		###Complete rock armour	
3SWA1600 Construct upper RC retaining wall (Bay 1-17)	64 28/09/06	14/12/06		Construct upper RC retaining wall (Bay 1-17)	man or who
	56 19/10/06	27/12/06	The state of the s	DIIII DOCKIIII U	**************************************
Slope Works				The state of the s	
35W 1000 Cut Proposed Stope B, D & E	55 28/06/06*	31/08/06	Comment of the Bank Bank Bank Bank Bank Bank Bank Bank	Sold Sales S. D. Sell	
3SW2000 Fill & Slopd stabilisation works		30/60/06	PI TOWNS TO THE PERSON TO THE	AMERICAL STOPP STABILISATION WORKS	
Roadworks Construction					
3RW2100 Construct W/B LVG drainage & watermain		03/01/07		Marie Constitut Will His draformation	
	18 23/12/06	16/01/07		Hermiconstruct W/B Rd Kerb, Barriera Surfacing	ra radial
	35 01/11/06	11/12/06		Extraction Watermain CH1825 to Ch2030 (205 m) W/B	***
	42 07/11/08	28/12/06		ENERGY PIPE LAYING W/B	ggi yanga da
A03RW4100 Cross Road Duct Laying W/B	32* 18/11/06	28/12/06		RESERVED Cross Road Duct Laying W/B	
8	56* 04/01/07	15/03/07		BOX CANAL CANAL Laying W/P	
500 Divert the original road to the	1 17/01/07		*	Py Physical Life original road to the Will	
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	Construct W/B Beam Barrier & Footbath	/ LV COX L CS								
3RW2600 Constru	Construct E/B U/G drainage & watermain	56 18/01/07	70/02/02				Construct W/B Beem Barrier & Footpeth	Barrier & Foolpath	•	
Ω	Utilities Laying 5/8	36. 06/03/07	20/04/07				William Laving F/B	The state of the s	v • · ·	verve
	Construct E/B Rd Karb, Barrler& Surfacing	18 30/03/07	24/04/07				Construct	Construct E/8 Rd Kerb. Barrier& Surfacing	THE PARTY OF THE PROPERTY OF THE PARTY OF TH	
	Construct E/B Beam Barrier & Footpath	14 04/04/07	24/04/07	~ ~ ~			Construct	Construct El8 Beam Barrier & Footpath		
3HW2610 TTM St	TTM Staging Preparation	19 21/11/06	12/12/06			Margittal Staging Preparation	aration		- ·	
7	PMC/Braduari falina	1 13/12/06	13/12/06			TMLG Moeting				
		1 10 14/12/05	281206	The state of the s		BENEVIA OFFICE Advice	rk Advice			
ea o consin	Area o construction(GnZ+150 to CnZ+300)									AVER 1811
Seawall B Construction	struction					~ ~ ~				
٦	Seawait B Construction	204" 04/02/06	Ĩ			Seavall B construction				
1	Produka (Pochell (700)	3 04/02/06		Install Silt Curtain						
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	Construct RC relation well (Bay 6.19)	90,300,600	23/03/06	39)-	Prisco rock armour		***************************************	The second secon	ann i reighadachd magailt a' gan i reigh a' danna a' a' ga ait an beach beach a seann an an an an an an an an a	
Τ	, , , , , , , , , , , , , , , , , , ,	28 22/08/06	22/09/06			Construct Horizontal (asset betz)			~ ~ .	nganon o
	Complete rock armour	14 23/09/06	11/10/06			Complete rock armour 4				-, 401
8	Construct RC Retaining Walf (Bay 1-5)	35 26/01/07	13/03/07				The Contract of the Contract o	And Market Alberta & Market		enera eras
	5u	10,09/03/07	20/03/07				MEBACKETING TO THE BACKET (BAY 1-5)	(C-) Apply that District		
A02SWB1100 Comple	Complete Rock Amour	5 21/03/07	26/03/07		- Comment of the comment	the state of the s	Complete Rock Arroun	Jaour	A COLUMN TO THE COLUMN THE PROPERTY OF THE PRO	
Roadworks Construction	nstruction								and the state of t	
A02RW0100 Approve	th of Tempoary Diversion Scheme	.90/20/03/06	11/07/05		-8	Approval of Tempoary Diversion Scheme				
A02RW0500 Tempor	Temporary Diversion of Water Main	50 12/07/06	02/08/06		Метери	femborary Diversion of Water Main			- A - A - A - A - A - A - A - A - A - A	•••
	Construct WB U/G drainage & watermain(Bay 6-12)		21/10/06			Construct WB U/G drainage &	watermain(Bay 6-12)			
П	Gas Pipe Laying W/B	14 21/09/06	90/10/06			SESSON Pipe Laying W/B	-			
	Cross Road Duct Laying W/B	4* 10/10/06	13/10/06			ECross Road Duct Laying W/B		» •		-
0	Ullikios Leying W/B	45* 05/11/05	30/12/06	3		* Example Laying W/B	9 W/B	And the second of the second o	The same and the same and the same and the same of the same and the sa	
	Construct W/B Rd Kerb, Barrier& Surtacing	18 14/10/06	04/11/06			MINICONSTRUCT W/B Rd Kerb, Barriera Surfacing	arriera Surfacing			
1	Divert the original road to the W/B	1 05/11/06	90/11/90		-	Divert the original road to the W/B	The W/B			
	Construct W/B Beam Barrior & Foothpath	35 06/11/06	15/12/06		- Charle and	A MANUAL Construct W/B B	Construct W/B Beam Barrler & Foothputh			
T	Construct E/B U/G drainage & watermain	65 27/10/06	16/01/07	4		Section of the Construct	**************************************	atermaln		
Т	termain Ch2150 to Ch2300 (150 m) E/B	50 27/10/06	28/12/06			(150 m) E/B	1 Ch2150 to Ch2300 (15	0 m) E/B	AMERICAN PROPERTY OF THE PROPE	
T	Gas Pro Laying E/B	28 15/11/06	16/12/06			Cas Pipe Laying E/B	8-		5 700 701	datudi
AO2BW1700 1HBilles	Cross node Later Laying E78	204 18/12/06	22/12/06			UCross Road Duct Laying E/B	of Laying E/B			e .e /e
,[Construct F/R Rd Keth Barrians Curtacion	20 121 121 02	24/04/07			BANKE STONE TO STONE EN	Laying E/B			
2RW3500 Divert th	Divert the original road to the E/R	100,000	24/01/0/	***************************************		Consin	Construct E/8 Rd Kerb., Bunlar& Surfacing	r& Surfacing		
Τ	Construct E/B Boam Borrior & Footon'h	16 120107	2000105			Lawrence Control	Divertine original road to the E/B			ndrata 'r
	TTM Stacko Preparation	19 29/11/06	91/19/06			Const	Coppetition of the search source of Footpath	* Footpath		
-1	(control	1 22/12/06	9211200			The Supplied Freparation	eparation		*** *** · ·	
2RW3720 RMO/IRc	BMO/Roadwork Advico	10 23/12/06	09/01/02			Management Ashion	Additor I			
1	Construct WB U/G drainage & watermain(Bay 1-5)	22 13/03/07	07/04/07	***************************************		1	Manager Construct Up	ECONOMICS WELL THE STATE OF THE	G. C.	-
_	Construct W/B Rd Kerb, Barrier& Surfacing(B1-5)	13 04/04/07	23/04/07		-		Tolland Constraint	Selection of the parties of the part		
ADZRW1200 Utilities	Utilities Laying for B1-5	13 04/04/07	23/04/07				Applition Laying for 81-5	who for 81.5		
A02RW1400 Construc	Construct W/8 Beam Barrier & Foothpath(81-5)	5 19/04/07	24/04/07				Construct	Construct W/9 Boarn Barrier & Feoilpouble1-5)	Ę,	
TATE OF THE	OUTFALL EAS EB CONSTRUCTION									
00 Lower se	Lower section construction (Seaside - CPR)	120 28/08/08	116/11/06		Notice the second supported to	COD - State (Construction Case (CDD)	You (Sassicka , CDB)			
30F1100 Construc	Construct Inlet & outlets	70 25/05/06	15/09/06		I Company Con	Construct inlet & outlets	Carlo and Carlo	# #		
	Construct cascades & ploas	58 07/09/06	16/11/06		1	Construct cascades & pipes	Sec.		per series	• •• ••
	ection pipe construction (Remaining)	35* 18/01/07	05/03/07				Upper section ploe on	and Upper section ploe construction (Remaining)		
30F2100 Pipe Cel	Pipe Construction (At Carriageway Portion)	35 18/01/07	05/03/07				- The Construction (At Carriageway Portion)	Carriageway Portion)		*****
a 1 Constru	Area 1 Construction (Chil+600 to Chil+705)	35				:	-		The state of the s	
SHW0500 W/B; C)	W/B; Clear existing road surface	12 03/02/07	16/02/07	 - •			W/R: Clost existing road surface	90		
5RW 1500 Construc	Construct W/B corriageway road surfacing	6 17/02/07	01/03/07				Econstruct WiB carriageway road surfacing	eway road surfacing		
	21/12/05			Cent				T T ATTACAMENT	AND THE RESIDENCE OF THE PROPERTY OF THE PROPE	
Pinish Date Cata Date	23/05/06		Progress Ba	1	Chun Wo Constru-	Chun We Construction & Eng. Co. Ltd	CO C		Revision	Checked
	22/08/06 15:00		majorana mases. Critical Activity		Contract N	o HY/2005/06	21/02/06	1		
				t)	aste Peak Road Improv.	Castle Peak Road Improvment West of Tsing Lung Tau			The state of the s	
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	Divert the original road to the new road (W/B)	1 02/03/07		Divertible of the new road (Will)	Trees and
5RW2500 E/B; clear exis	E/B: clear existing road surface Constituti E/B cardonowov med surfaction	12 03/03/07	16/03/07	Emplets: clear exteting road surface	
-	Preparation	19 03/01/07	24/01/07	Walthur Station Bearingway (and autscing	
5RW3520 TMLG Meeling	Ó	1 25/01/07	25/01/07	CHEC Months	
SHW3530 RMC/Readwork Advice	ark Advice	10/28/01/07	06/02/07	ERRIO/Readwork Aprico	
Alfea o Construen	Area o Construction(Ch2+300 to Ch2+400)	<u></u>			
	Construct W/B carriageway road surfaction 1 lane	12 14/10/06 6 28/10/06	27/10/06		
	Divert the original road to the new land	1 06/11/06	06/11/06	- Vocantius we we carried speed to a surfacility of lane Divers the certainst proof in the new leve	/ .
	W/B: clear existing road surface, 1 fane	12 07/11/06	20/11/06	With the control of t	
	Construct W/B carriageway road surfacing, 1 lane	6 21/11/06	27/11/06	** ** *** *** *** *** *** *** *** ***	
6HW2500 E/8: Clear ex	EB: Clost extering road surface, 1 lane	12 28/11/06	11/12/06	Email: Glear optability road surfaçe, 1 limid	
	Construct the Carriagoway road surface 1 and E/B: clear existing road surface 1 land	12 21/2/06	18/12/06	Roomitud EB cartiagaway read surfacing, I lane	
Ī.,	Construct E/B carriageway road surfacing, 1 lane	6 08/01/07	13/01/07	The control of the co	
	Preparation	19 11/09/06	03/10/06	ENTERTITIES Single Propagation	
	Divert the original road to the new lane	1 19/12/05	19/12/06	Divertifing original road to the new lane	
GRW3530 IMIL'S Meeting	ig Advice	1 04/10/06	04/10/06	TML Gheefing	
AVes O Consider	AVes 2 entstriction (day mynatio day napia		2000	EWITKAL PROGNAVIT AGVISO	
1RW0500 W/R: Excavat	WR: Excavation & demolish axisting coad contact	rolationie.	90000	The state of the s	
A0UU25700 1m Watermail	1m Watermain Connection to Ch 1825 (25 mt E/B	80,25,05,06	28/08/06	And the state of t	
	Cross Road Duct Laying E,W/B	8 23/09/06	03/10/06	Efficient Principle (1979)	
	9 5/8	42' 17/02/07	13/04/07	FERRINGENESS UNITED TO THE PER	
1	1m Watermain Connection to Ch1825 (25 m) W/B	80 25/05/06	28/08/06	CEREBITA MASSESSESSESSES 1 WAS created to Charles 2 (23 m) W/B	
8	g W/B	14" 05/02/07	27/02/07	Windings Laying Will	
1 RW 1500 Construct Wit	Construct W/B, E/B: U/G drain, watermain, etc	115 08/05/06	20/09/06	Entrice International Control Wile Fig. Ure drain, watermain, etc.	v *****
	Divort the original road to the new road (F.W.A)	1 16/10/06	14/10/08	Sept Constitute Wile Life Actual duringing	rom a rem
	Construct W/B, E/B Beam Barrier & Footpath	24 17/10/06	14/11/06	- Constitution of the state of	THE PROPERTY AND ADDRESS.
	Sip Rd: Excav & demolish exist road surface	12 17/10/06	31/10/06	Englis Rei. Excav & dampolish exist road surfatoo	
1RW3500 Sip Rd: U/G o	Sip Rd: U/G drainage & utilities	82 01/11/06	08/02/07	Spullithy and and the principle of the p	
8	or of surfacing work	18 09/02/07	07/03/07	The Ref surfacing work	
	Preparation	15 25/08/06	12/09/06	Washington Out of the August Onthiblion of Carriers	
	6	1 13/09/06	13/09/06	TANL Cheditod	
1RW3530 RMO/Roadwork Advice	nk Advice	10 14/09/06	25/09/06	EFFRACIROasbook Advice	
Slope Remedial Works	/arks				
Remedial Work 6SW-D/C170	W-D/C170				
SW3000 Remedial worl	Remedial works to Slope No. 6SW-D/C170	57* 30/01/07	12/04/07	国図工作品を記録を表現しています。 Ronge No. 65W-D/C170	w.w
lal d					
Swasou Hernedial works to Slope	No. GSW-D/FR286	167* 08/04/06	31/10/06	DATE OF THE PROPERTY OF THE PR	
SW4000 Remedial work	Remedial works to Stope No. 6SW-D/F89	13/06/06	10/10/08	ATTACA CALL AND A CALL	
dial	V-D/FR83				
SW5000 Ramodlal wor	Remedial works to Slope No. 6SW-D/FR83	80* 16/10/06	22/01/07	EGB/NEARINE NEW PARKET Remedial work a to Slope No. GSW-Di-FPR3	
dial	V-D/F82				- Constitution and Assessment Property
nowing bearing the second	Hemotati works to Stope No. 65W-UIF82	120* 15/06/06	06/11/06	Control of the Contro	
SW6000 Remedial works to Stop	Remedial works to Stope No. 65W-D/B1	87* 12/12/06	D2/H4/07	AND THE PROPERTY OF THE PROPER	A ****
Saction I - Landscaning Works	Sabino Works			COORDINATION OF THE PROPERTY O	
AOLW1000 Tree Transplant		200 06/02/06*	06/10/06	Section of the Property of the	
LW1000 Landscaping Work	Work	90 24/02/07	24/05/07	Material And Sedimin Mark	
Star Date	21/2/05 ERVINITED		ANNA STATE OF THE	CSD2 Shock ais	
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7Primavera Systems, Inc.	stems, Inc.			CSD Works Programme Rev 1	

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fivity ripilon	Per		22/06/1		
Desc					j. Lic
	at works				ystoms
	thishme				7Primavera Systems, Inc.
	Esla				7Prins
Activity					
	Section III - Establishment Period EP1000 Establishment works	Start Date Finish Date Data Date	Run Cette		

Appendix B
Monitoring schedule for
October 2007 and
November 2007

Environmental Monitoring and Audit Schedule - October 2007

Note 1: L30 denotes L_{eq(30 min)} monitoring Note 2: TSP denotes Total Suspended Particulate monitoring

MV denotes marine water monitoring Note 3:

L&V denotes Landscape and Visual audit and monitoring Note 4:

			Oct-2007			
Sunday	Monday	Tuesday		Thursday	Friday	Saturday
	1	2		4	5	9
					Site Inspection	
		WW		W		WW
7	8	6	10	1	12	13
					Site Inspection	
		WW			WW	WW
14	15	16	17	18	19	20
				Site Inspection		
		MW		MW		MW
21	22	23	24	25	26	22
					Site Inspection	
		N.		X.		X.
28	29	30	31			
		XV				

Tentative Environmental Monitoring and Audit Schedule - November 2007

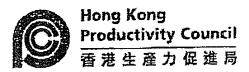
Note 1: L30 denotes L_{eq(30 min)} monitoring Note 2: TSP denotes Total Suspended Particulate monitoring

MV denotes marine water monitoring Note 3:

L&V denotes Landscape and Visual audit and monitoring Note 4:

			Nov-2007			
Sunday	Monday	Tuesday		Thursday	Friday	Saturday
				-	2	3
					Site Inspection	
				XV.		WW
4	5	9	7	8	6	10
					Site Inspection	
		WW		WM		MW
Ξ	12	13	41	15	16 Site Inspection	17
	_	MW		MW		MM
18	19	20	21	52	23 Site Inspection	24
		MW		MW		MM
25	26	27	28	59	30 Site Inspection	
		W		W		

Appendix C
Calibration certificates of marine water monitoring equipment



CALIBRATION REPORT

Client

: OVE ARUP & PARTNERS H.K. LTD.

Address : Level 5 Festival Walk, 80 Tat Chee Avenue,

Kowioon Tong,

Kowloon.

Received Date

: 10/07/2007

Completion Date

: 17/07/2007

Report No.

Issue Date

Page No.

: CR 000079

: 17/07/2007

: 1 of 5

Approved Signatory: Fung Kam Wing Remarks

Calibration Results:

Item

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

Serial No.

99 G0526 AJ

Calibration Method : APHA 18e 2520 A & B

Date of Calibration: 10/07/2007

Results:

Salinity

Expected Reading (ppt)	Recorded Reading (ppt)
0	0
7.4	7.2
15	14.6
35	33.2
79.7	37.4

Approval Signatory:

75T P.O. Box 99027 Hong Kong • HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong Tel: (852) 2782 5673 - Fax: (352) 2788 5900 - Telex: 32842 HKPC HX

Hong Kong Hoad Office



والمرازي والمراجي والمنافية والمنافعة والمنافعة والمنافعة والمهابية والمنافعة والمنافعة والمنافعة والمنافعة والمنافعة

Environmental Management Division

Client

: OVE ARUP & PARTNERS H.K. LTD.

Address : Level 5 Festival Walk, 80 Tat Chee Avenue, Kowloon Tong,

Kowloon.

Received Date

: 10/07/2007

Completion Date : 17/07/2007

Page No.

Report No. : CR 000079

Issue Date : 17/07/2007

:2 of 5

Approved Signatory: Fung Kam Wing

Remarks

Calibration Results:

Item

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

Serial No.

; 99 G0526 AJ

Calibration Method : In house method

Date of Calibration : 10/07/2007

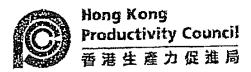
Results:

Temperature

Expected Reading ('C)	Recorded Reading (*C)
10.0	11.0
20.0	20.9
30.0	31.0
40.0	41.1

Approval Signatory:

नदर P.C. Ray 99827 Hone Kong • HKPC Building, 78 Tat Chee Avenue, Kowleen, Hong Kong



CALIBRATION REPORT

: OVE ARUP & PARTNERS H.K. LTD.

Address : Level 5 Festival Walk,

80 Tat Chee Avenue, Kowloon Tong, Kowloon.

Received Date

: 10/07/2007

Completion Date

: 17/07/2007

Report No.

Page No.

Issue Date

: CR 000079

: 17/07/2007

:3 of 5

Approved Signatory: Fung Kam Wing

Remarks

Calibration Results:

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

99 G0526 AJ Serial No.

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

Date of Calibration: 17/07/2007

Results:

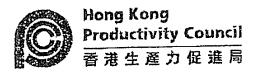
Dissolved Oxygen

Expected Reading (mg/L)	Recorded Reading (mg/L)
2.80	3.39
4.15	4.65
6,50	7.04
7.80	7.96
8.70	8.67

Approval Signatory:

151 P.O. Box 99027 Hong Kong • HKPC Building, 78 Tat Chez Avenue, Kowloon, Hong Kong Hong Kong Tel: (852) 2788 5678 • Fax: (852) 2788 5900 • Telex: 32842 HKPC HX

Head Office



CALIBRATION REPORT

Client : OVE ARUP & PARTNERS H.K. LTD.

Address : Level 5 Festival Walk,

80 Tat Chee Avenue, Kowloon Tong, Kowloon.

Received Date

: 10/07/2007

Completion Date

: 17/07/2007

Page No.

Report No. : CR 000079

Issue Date : 17/07/2007

: 4 of 5

Approved Signatory: Fung Kam Wing

Remarks

Calibration Results:

Item : HACH 2100P Turbidimeter

Serial No. : 011100024354

Calibration Method : APHA 18e 2130 B

Date of Calibration : 12/07/2007

Results:

Turbidity

Expected Reading (NTU)	Recorded Reading (NTU)	
0	0.18	
2	2.06	
4	3.78	
16	15.7	
40	37.8	
90	77.1	

Approval Signatory:

TST P.C. Box 99027 Hong Kong = HKPC Building, 78 Tat Chet Avenue, Kowloon, Hong Kong



Client

: OVE ARUP & PARTNERS H.K. LTD.

Address : Level 5 Festival Walk, 80 Tat Chee Avenue, Kowloon Tong, Kowloon.

Received Date

: 10/07/2007

Completion Date

: 17/07/2007

Report No.

Page No.

Issue Date

: CR 000079

: 17/07/2007

: 5 of 5

Approved Signatory: Fung Kam Wing

Remarks

Calibration Results:

Item

HANNA instrument HI 1270 pH meter

Serial No.

S354547

Calibration Method: In house method

Date of Calibration: 17/07/2007

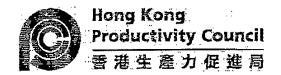
Results:

pН

Expected Reading (pH unit)	Recorded Reading (pH unit)
4.01	4.01
7.00	7.03
10.0	10.03

Approval Signatory:

75T P.O. Box 99827 Hong Kong . HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong Hong Kong Tel: (852) 2768 5672 • Fax: (852) 2788 5900 • Telex: 22842 HKPC HX Head Office



Client

: OVE ARUP & PARTNERS H.K. LTD.

Address : Level 5 Festival Walk,

80 Tat Chee Avenue, Kowloon Tong,

Kowloon.

Received Date

: 08/10/2007

Completion Date

: 09/10/2007

Report No.

Page No.

Issue Date

: CR 000081

: 09/10/2007

:1 of 5

Approved Signatory: Fung Kam Wing

Remarks

Calibration Results:

Item

YSI Model 85-10 FT Handhold Salinity, Conductivity & Temperature Instrument

Serial No.

99 G0526 AJ

Calibration Method : APHA 18e 2520 A & B

Date of Calibration: 09/10/2007

Results:

Salinity

Expected Reading (ppt)	Recorded Reading (ppt)
0	Ō
7.4	7.2
15	14.5
35	33.4
39,3	37.5

Approval Signatory:

Hong Kong

TST P.O. Box 99027 Hong Kong • HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong

Head Office 香港超部

Tel: (852) 2788 5678 • Fax: (852) 2788 5900 • Telex: 32842 HKPC HX 香港尖沙咀郵政信和99027號 - 香港九龍達之路78號生產力火樓



IBRATION REPORT

Client

: OVE ARUP & PARTNERS H.K. LTD.

Report No.

: CR 000081

Address : Level 5 Festival Walk,

Page No.

: 2 of 5

80 Tat Chee Avenue, Kowloon Tong,

Kowloon.

Issue Date

: 09/10/2007

Received Date

: 08/10/2007

Completion Date

: 09/10/2007

Approved Signatory: Fung Kam Wing

Remarks

Calibration Results:

Item

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

Serial No.

99 G0526 AJ

Calibration Method:

In house method

Date of Calibration :

09/10/2007

Results:

Temperature

Expected Reading (°C)	Recorded Reading (°C)
10.0	10.9
20.0	20.8
30.0	31.0
40.0	41.0

Approval Signatory:

Hong Kong

TST P.O. Box 99027 Hong Kong • HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong

Head Office 香港羅那

Tel: (852) 2788 5678 • Fax: (852) 2788 5900 • Telex: 32842 HKPC HX 香港尖沙岨郵政信箱99027號。香港九龍逕之路78號生產力大樓



IBRATION REPORT

Client

: OVE ARUP & PARTNERS H.K. LTD.

Address : Level 5 Festival Walk,

80 Tat Chee Avenue, Kowloon Tong,

Kowloon.

Received Date

: 08/10/2007

Completion Date

: 09/10/2007

Report No.

Issue Date

Page No.

: CR 000081

: 09/10/2007

:3 of 5

Approved Signatory: Fung Kam Wing

Remarks

Calibration Results:

Item

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

Serial No.

99 G0526 AJ

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

Date of Calibration: 09/10/2007

Results:

Dissolved Oxygen

	Expected Reading (mg/L)	Recorded Reading (mg/L)	
_	3,50	3.73	
	5.60	5.64	
	6.65	6.56	
	7.65	7.39	
	8 65	8.62	

Approval Signatory:

Hong Kong

TST P.O. Box 99027 Hong Kong • HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong

Head Office 香港瑪那

Tel: (852) 2788 5678 • Fax: (852) 2788 5900 • Telex: 32842 HKPC HX 香港尖沙咀郵政信箱99027號 • 香港九爾達之路78號生產力大楼



Client

: OVE ARUP & PARTNERS H.K. LTD.

Address: Level 5 Festival Walk,

80 Tat Chee Avenue, Kowloon Tong, Kowloon.

Received Date

: 08/10/2007

Completion Date

: 09/10/2007

Report No.

Page No.

Issue Date

: CR 000081

: 09/10/2007

: 4 of 5

Approved Signatory: Fung Kam Wing

Remarks

Calibration Results:

Item

HACH 2100P Turbidimeter

Serial No.

: 011100024354

Calibration Method : APHA 18c 2130 B

Date of Calibration: 09/10/2007

Results:

Turbidity

Expected Reading (NTU)	Recorded Reading (NTU)	
 0	0.18	
2	2.20	
4	3.71	•
16	15.3	
40	37.9	
80	77.8	

Approval Signatory:

Hong Kong

TST P.O. Box 99027 Hong Kong • HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong

Head Office 香港護部

Tel: (852) 2788 5678 - Fax: (852) 2788 5900 - Telex: 32842 HKPC HX 香港尖沙咀郵政信箱99027號。香港九確達之路78號生產力大樓



Client

: OVE ARUP & PARTNERS H.K. LTD.

Address : Level 5 Festival Walk, 80 Tat Chee Avenue, Kowloon Tong,

Kowloon.

Received Date

: 08/10/2007

Completion Date

: 09/10/2007

Report No.

Page No.

Issue Date

: CR 000081 ·

: 09/10/2007

:5 of 5

Approved Signatory: Fung Kam Wing

Remarks

Calibration Results:

Item

: HANNA instrument III 1270 pH meter

Serial No.

S354547

Calibration Method: In house method

Date of Calibration: 09/10/2007

Results:

pН

Expected Reading (pH unit)	Recorded Reading (pH unit)
4.01	4.05
7.00	7.09
10.0	10.08

Approval Signatory:

Hong Kong Head Office TST P.Q. Box 99027 Hong Kong • HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong

香港雄郡

Tel: (852) 2788 5678 • Fax: (852) 2788 5900 • Telex: 32842 HKPC HX 香港尖沙咀郵政信箱99027號 • 香港九爾達之路78號生產力大樓

Appendix D

Marine water quality
monitoring results

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

							Temp.				DO, %	DO, %	l		- 450		NTU,		SS,
Lab ID	Lagation	Position	Tide	Sampling Date	Time	Water depth, m		DO, mg/L (1)	DO, mg/L (2)	DO, Average value	saturation (1)	saturation (2)	au tiak	Salinity, ppt	Turbidity, NTU (1)	Turbidity. NTU (2)	Averaged Value	Suspended Solid, mg/L	Averaged Value
1	WWA1	S	MID-EBB	2-Oct-07	Lane	чери, ил	26.7	5.84	5.77	DO, Average value	88.4	87.7	8.2	23.7	5.9	5.7	Value	20.5	Value
2	WWA1	M	MID-EBB	2-0d-07	15:24	7.00	26.8	5.82	5.65	5.77	88.3	87.8	8.2	23.9	5.8	5.8		13.5	1
3	WWA1	8	MID-EBB	2-Oct-07	*5.2*	7.00	26.8	5,54	5,51	5.53	88,9	88.1	8.2	23.9	4.9	5.0	5.5	17.5	17.2
4	WWA2	S	MID-EBB	2-0d-07 2-Oct-07			27.0	5,59	5.53	0.00	89,3	87.9	8.2	23.7	5.1	5.2	3.3	14.5	
5	WWA2	M	MID-EB8	2-Oct-07	15:09	7.00	26.9	5.71	5.68	5.63	88.5	88.1	8.2	23.9	5.4	5.2		14.5	i
6	WWA2	B	MID-EBB	2-Oct-07	'5.55	1,00	27.0	5.72	5.67	5.70	89.7	87.8	8.2	24.1	5.1	5.0	5.2	16.0	15.0
7	WWA3	s	MID-EBB	2-Oct-07	\vdash		26.8	5.83	5,81	¥0	89.3	87.1	8.2	23.9	5.2	5,2	3.2	17.0	15.5
8	WWA3	M	MID-EBB	2-Oct-07	14:55	6.00	26.9	5.74	5.71	5.77	88.7	87.2	8.2	24.1	4.9	4.8		15.5	ĺ
9	WWA3	- B	MID-EBB	2-Oct-07	}	0.00	26.9	5.84	5.82	5.83	87.7	86.3	8.2	23.9	5.2	5.1	5.1	19.5	17.3
10	WRA1	s	MID-EBB	2-Oct-07	 		27.1	5.84	5.77	0.00	87.3	86.9	8.2	23.7	6.1	6.0	0.1	26.0	17.5
11	WRA1	й	MID-EB8	2-Oct-07	15:36	34,00	27.3	5,72	5.68	5.75	88.3	87.4	8.2	23.8	5.9	5.8		17.5	i
12	WRA1	В.	MID-EBB	2-Oct-07	,		27.1	5,69	5,63	5.66	87.6	86.3	8.2	23.7	5.8	5.6	5.9	12.5	18.7
13	WRA2	S	MID-EBB	2-Oct-07			26.9	5,71	5.67		87,4	87.1	8.2	23.9	5.5	5.6		20.0	
14	WRA2	М	MID-EBB	2-Oct-07	15:53	34.00	27.1	5.92	5.83	5.78	87.0	86.4	8.2	23.8	5.7	5.8		15.0	ſ
15	WRA2	В	MID-EBB	2-Oct-07	1 1		27.0	5.74	5.71	5.73	87.4	86.3	8.2	23.8	5.4	5.3	5.6	11.5	15.5
16	WRA3	s	MID-EBB	2-Oct-07	1		27.0	5.79	5.73		88,7	87,1	8.2	23.9	5.6	5.8	·	15.0	i
17	WRA3	M	MID-EBB	2-Oct-07	16:05	32.00	27.0	5.64	5.61	5.69	87.4	86.6	8.2	24.1	5.4	5.4		8.5	ı
18	WRA3	8	MID-EBB	2-Oct-07		ı	26.9	5,59	5,54	5.57	88,1	87,4	8.2	24.0	5.8	5.7	5.6	10.0	11.2
19	WWFCZ1	ş	MID-EBB	2-Oct-07			26.9	5.61	5.59		87,4	86.3	8.2	24.1	5.8	5.7		8.5	i
20	WWFCZ1	м	MID-EBB	2-0d-07	15:45	38.00	27.1	5.84	5,81	5.71	88.1	87.2	8.2	24.1	5.6	5.9		9.0	ı
21	WWFCZ1	В	MID-EBB	2-Oct-07	f I		27.1	5.78	5,71	5.75	87.7	86.4	8.2	24.2	5,8	6,0	5.8	8.5	8.7
22	WWFCZ2	S	MID-EBB	2-Oct-07	"		27.2	5.67	5.64		88.3	87.4	8.2	24.0	6.0	6.1		12.5	ĺ
23	WWFCZ2	M	MID-EBB	2-Oct-07	16:31	40.00	26.9	5.74	5.63	5.67	87.9	87.1	8.2	23.9	5.9	5.8		13.0	ı
24	WWFCZ2	В	MID-EBB	2-Oct-07		1	26.8	5.81	5,79	5.80	87,9	86.3	8.2	23.9	6.1	6.0	6.0	11.0	12.2
25	WFCZR1	S	MID-EBB	2-Oct-07			27.0	5.74	5.71		87.1	86.3	8.2	24.1	59	5.9		11,0	i
26	WFCZR1	M	MID-EBB	2-Oct-07	17:02	38.00	27.1	5.43	5.29	5.54	87.4	86,7	8.2	23.7	6.0	5.9		10.5	ı
	WFCZR1	В	MID-E8B	2-Oct-07		j	27.1	5.47	5.41	5.44	87.6	85.2	8.2	23.7	5.1	6.1	6.0	17.0	12.8
	WFCZR2	S	MID-EBB	2-Oct-07			27.2	5.54	5.43		89.1	88.3	8.2	24.1	5.7	5.8		12.5	1
	WFCZR2	М	MID-EBB	2-Oct-07	16:18	41.00	27.2	5.79	5.69	5.61	86.7	87.1	8.2	24.1	5.4	5.4		9.5	Į
	WFCZR2	8	MID-EBB	2-Oct-07		[27.3	5.70	5.63	5.67	88.4	87.2	8.2	23.8	5.8	5.6	5. 5	11.5	11.2
31	WWA1	S	MID-FLOOD	2-Oct-07			27.0	5.95	5.89		88.1	87.7	8.2	23.9	5.8	5.6		12.5	
32	WWA1	М	MID-FLOOD	2-Oct-07	10:08	7.00	25,8	5.71	5.69	5.81	87.6	87.1	8,2	24.1	5.9	5.8		5.5	
33	WWA1	В	MID-FLOOD	2-Oct-07			26.8	5.83	5.74	5.79	89.4	88.9	8.2	23.9	6.0	5.9	5.8	12.0	10.0
34	WWA2	<u>s</u> į	MID-FLOOD	2-Oct-07			27.1	5.79	5,73		88.4	87.3	8.2	23.7	6.1	6.1		8.0	i
35	WWA2	М	MID-FLOOD	2-Oct-07	9:53	6.00	26.9	5.83	5.79	5.79	86.3	85.8	8.2	23.8	5.7	5.8		9.5	
36	WWA2	В	MID-FLOOD	2-Oct-07			27.0	5.94	5.83	5.89	87.4	8.88	B,2	23.8	5.7	5.6	5.9	9.5	9.0
37	WWA3	S	MID-FLOOD	2-Oct-07			27.0	5.82	5.76		89.1	88.3	8.2	23.6	5.2	5.3		9.5	i
38	WWA3		MID-FLOOD	2-Oct-07	9:41	6.00	26.9	6.01	5.94	5.88	88.4	87.1	8.2	24.1	5.2	5.2		11.5	40.0
39	WWA3		MID-FLOOD	2-Oct-07			26.9	5.92	5.83	5.88	87.4	86.3	8.2	24.1	5.5	5.4	5.3	9.5	10.2
40	WRA1		MID-FLOOD	2-Oct-07	10:23	34.00	26.7	5.86 5.96	5.77		87.1 87.7	86.2 86.8	8.2	23.4 23.6	5.5	5.6 5.8		11.0 9.5	
41	WRA1		MID-FLOOD	2-Oct-07 2-Oct-07	10:23	39,00	26,7 26,9	6.13	5.78 6.07	5.84 6.10	87.3	86.6	8.2	23.6	5.9 5.7	5,8	5.7	10.5	10.3
43	WRA2		MID-FLOOD	2-Oct-97 2-Oct-97			26.9	6.04	5.92	6.10	88.1	87.4	8.2	23.9	5.7	5.6	5.7	11.5	10.3
44	WRA2		MID-FLOOD	2-Oct-07	10:38	34.00	27.1	5.74	5.63	5.83	88.3	86.7	8.2	23.7	5.8	5.8		11.0	
45	WRA2		MID-FLOOD	2-Oct-07 2-Oct-07	20.30	37.00	27.1	5.72	5,64	5.68	88.9	86.6	8.2	23.7	5.0	6.1	5.8	10.0	10.8
40	YVIVA2	0	MID-PLOUD	2-00-01			41.1	9.72	3,04	5.00	6,00	00.00	0.2	23.1	0.0	0.1	9.0	10.0	

Grenv project 24583 env_data marine impact Data Evaluation monthly

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

Lab						Water	Temp,	DO mad	DO, mg/L		DO, % saturation	DO, % saturation			Turbidity,	Turbidity.	NTU, Averaged	Suspended	SS, Averaged
ID	Location	Position	Tide	Sampling Date	Time	depth, m	°C	(1)	(2)	DO, Average value		(2)	pH, Unit	Salinity, ppt	NTU (1)	NTU (2)	Value	Solid, mg/L	Value
46	WRA3	S	MID-FLOOD	2-Oct-07			26.9	5,98	5.79		87.7	85.4	8.2	23.9	6.0	5.9		10.5	
47	WRA3	M	MID-FLOOD	2-Oct-07	10:51	33.00	27.0	5.51	5.48	5.69	87.4	85.3	8.2	24.D	5.7	5.7		10.0	ĺ
48	WRA3	В	MID-FLOOD	2-Oct-07	1		27.0	5.82	5.76	5.79	89.2	87.4	8.2	23.6	5.7	5.5	5.8	9.5	10.0
49	WWFCZ1	S	MID-FLOOD	2-Oct-07			27.3	5.51	5.48		87.1	86.6	8.2	24.6	5.7	5.7		14.0	
50	WWFCZ1	×	MID-FLOOD	2-Oct-07	11:37	38.00	27.4	5.76	5.71	5.62	87.4	85.9	8.2	24.7	5.7	5.6		12.0	i
	WWFCZ1	В	MID-FLOOD	2-Oct-07			27.4	5.94	5.83	5.89	88.4	87.5	8.2	24.3	5.9	5.8	5.7	12.0	12.7
52	WWFCZ2	S	MID-FLOOD	2-Oct-07		l i	27,2	5.91	5.84		87.2	86.7	8.2	24.8	6,0	6.1		11.0	i
53	WWFCZ2	M	MID-FLOOD	2-Oct-07	11:21	40.00	27.1	5.67	5.49	5.73	87.1	86.7	8.2	24.7	5.9	5.8		14.0	į
54	WWFCZ2	В	MID-FLOOD	2-Oct-07			26.9	5.71	5.68	5.70	88.3	87.6	8.2	24.4	5.4	5.5	5 8	11.5	12.2
55	WFCZR1	S	MID-FLOOD	2-Oct-07			27.2	5.47	5.41	1	87.4	86.3	8.2	24.9	5.7	5.6		12.0	
56	WFCZR1	M	MID-FLOOD	2-Oct-07	11:43	38.00	27.2	5.49	5,39	5.44	89.8	87.1	8.2	24.2	5.5	5.3		11.0	
	WFCZR1	В	MID-FLOOD	2-Oct-07			27.3	5.71	5.64	5.68	88.1	86.8	8.2	24,2	5.6	5.5	5.5	11.0	11.3
58	WFCZR2	S	MID-FLOOD	2-Oct-07			27.3	5.84	5.81	<u> </u>	89.2	87.4	8.2	24.7	5.8	5.9		14.0	
59	WFCZR2	М	MID-FLOOD	2-Oct-07	10:59	41.00	26,9	5.73	5.64	5.76	89,3	87.8	8,2	24,3	5.9	6.0		8.5	
60	WFCZR2	8	MID-FLOOD	2-Oct-07			27.1	5.74	5.69	5.72	88.3	87.1	8.2	24.2	5.7	5.6	5.8	13.0	11.8
61	WWA1	S	MID-EBB	4-Oct-07			28.0	6.13	6.04		91.2	89.3	8.2	24.3	5.9	5.8		11.0	
62	WWA1	М	MID-EBB	4-Oct-07	9:00	7.90	27.9	5.86	5.75	5.95	88.4	87.2	8,2	24.1	5.5	5.8		10.0	
63	WWA1	В	MID-EBB	4-Oct-07			27.8	5.92	5.87	5.90	86.5	85.3	8.2	24.2	5.9	5.9	5.7	7.5	9.5
64	WWA2	S	MID-EB8	4-Oct-07		l l	27.9	5.94	5,87		88.1	87,5	8.2	23.9	6.0	5,9		7.0	
65	WWA2	М	MID-EBB	4-Oct-07	8:45	7.70	27.8	5.86	5.75	5.86	90.4	88.2	8.2	24.1	5.0	5.1		11.0	
66	WWA2	В	MID-E8B	4-Oct-07			27,8	5.92	5,88	5.90	89.5	87.6	8.2	24.2	5.0	4.7	5.3	13.0	10.3
57	WWA3	S	MID-EBB	4-Oct-07			27,9	5,85	579		89.2	88.3	8,2	24.8	4.7	4.7		8.0	
68	WWA3	M	MID-EBB	4-Oct-07	8:30	7.10	27.9	5.91	5.88	5.86	90.5	89.1	8.2	24.7	5.1	5.3		8.5	
69	WWA3	В	MID-EBB	4-Oct-07			27.8	5.74	5.69	5.72	89.7	88.1	8.2	24.7	5.8	5.8	5.2	11.5	9.3
70	WRA1	S	MID-EB9	4-Oct-07			28.1	5.84	5.76		88.6	87.5	8.2	24.3	5.8	5.7		6.0	
71	WRA1	M	MID-EBB	4-Oct-07	9:14	26.30	28.0	5,95	5.87	5,86	90.1	89.3	8.2	23.7	5.9	5.9		8.0	
72	WRA1	В	MID-EBB	4-Oct-07			27.8	5.88	5.73	5.81	87,5	86.4	8.2	23.9	5.9	5.9	5,9	8.0	7.3
73	WRA2	S	MID-EBB	4-Oct-07			28.1	5.81	5.73		87.2	86.3	8.2	23.8	6.0	6.1		10.5	
74	WRA2	M	MID-EBB	4-Oct-07	9:27	28.50	27.9	5.65	5,55	5.69	86,5	85.4	8.2	23.7	5.9	6.0		11.0	
75	WRA2	В	MID-EBB	4-Oct-07			27.8	5.78	5.76	5.77	87.9	86.3	8.2	23.7	5.9	5.9	60	8.0	9.8
76	WRA3	\$	MID-EB8	4-Oct-07			28.1	5,86	5,83		86.3	85.4	8.2	24.7	5.7	5.6		8.0	
77	WRA3	M	MID-EBB	4-Oct-07	9;44	29.10	28.0	5.99	5.95	5.91	89.1	88.7	8.2	24,2	6.0	6.1		9.0	
78	WRA3	В	MID-EBB	4-Oct-07			27.8	5,87	5.74	5.81	86.5	85.4	8.2	24.9	5.7	5.5	5.8	11.5	9.5
	WWFCZ1	S	MID-EBB	4-Oct-07	40.00		28,1	5.95	5.87		88.7	86.5	8.2	23.6	5.7	5.7		7.5	
	WWFCZ1	M	MID-EBB	4-Oct-07	10:30	38.20	28.0	5.99	5,86	5.92	87.3	86.3	8.2	23,4	5.8	5,9		7.5	
	WWFCZ1	В	MID-EBB	4-Oct-07			27.8	5.75	5.63	5.69	87.4	85.9	8.2	23.2	5.9	5.8	5.8	6.0	7.0
	WWFCZ2	S	MID-EBB	4-Oct-07			28.2	5.84	5.77		89.7	88.4	8.2	24.4	5.7	5.8		10.5	
	WWFCZ2	M	MID-EBB	4-Oct-07	10:15	39.80	28.0	5.91	5.86	5,85	88.6	87.4	8.2	23.8	6.0	5.8		6.5	
	WWFCZ2	В	MID-EB8	4-Oct-07			27.9	5.83	5.81	5.82	86.2	85.1	8.2	23.7	5.4	5.6	5.7	7.5	8.2
	WFCZR1	s	MID-EBB	4-Oct-07			28.2	6.13	6.04		91.2	89.7	8.2	23.9	5.9	5.8		9.0	
	WFCZR1	M	MID-EBB	4-Oct-07	10;47	36,30	28.0	5.98	5,81	5,99	88.6	87.5	8.2	23.7	6.1	6.2		9.5	
	WFCZR1	8	MID-E8B	4-Oct-07			27.8	5.75	5.63	5.69	86,3	85,4	8.2	24.1	5.0	4.8	5.6	10.5	9.7
	WFCZR2	S	MID-EBB	4-Oct-07			28.1	5.87	5.82		89.1	87.6	8.2	23.5	5,3	5.3		8.0	
9	WFCZR2	M	MID-EBB	4-Oct-07	10:00	40.60	27.9	5.93	5.81	5.86	88.5	86.3	8.2	23.1	4.8	4.7		7.0	

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Lab						Water	Temp.	DO, mg/L	DO, mg/L	1	saluration	saturation			Turbidity,	Turbidity,	Averaged	Suspended	Averaged
ID	Location	Position	Tide	Sampling Date	Time	depth, m	°C	(1)	(2)	DO, Average value	(1)	(2)	pH, Unit	Salinity, ppl	NTU (1)	NTU (2)	Value	Solid, mg/L	Value
90 (WFCZR2	В	MID-EBB	4-Oct-07			27.7	5.74	5.65	5.70	89.4	87.2	8,2	23.3	4.8	4.9	5.0	11.5	8.8
91	WWA1	S	MID-FLOOD	4-Oct-07			28.4	6.13	6.07	1	87.6	55.1	8.2	24.9	6.0	6.0		14.0	
92	WWA1	M	MID-FLOOD	4-Oct-07	15:48	8.10	28.2	6.05	6.03	6.07	85.9	84.3	8.2	24.7	6.1	6.0		16.0	
93	WWA1	8	MID-FLOOD	4-Oct-07			28.0	6.11	5.97	6.04	87.2	86,3	8.2	24.7	6.1	6.1	6.1	14.0	14.7
94	WWA2	S	MID-FLOOD	4-Oct-07			28.5	5.86	5.75		88.1	87.6	8.2	24.8	6.1	5.9		13.0	
95	WWA2	М	MID-FLOOD	4-Oct-07	16:10	7.80	28.3	5.92	5.83	5.84	90.3	89.1	8.2	24.8	6.1	6.0		17.D	45.0
96	WWA2	В	MID-FLOOD	4-Oct-07			28.1	5.87	5.66	5.77	87.6	86.4	8.2	24.6	5.8	5.6	5.9	15.0 13.5	15.0
97	WWA3	S	MID-FLOOD	4-Oct-07		ا مند ا	28.4	5.87	5.65		88.2	87.6 88.5	8.2	25.1 24.9	5.9 6.1	6.0		15.0	
98	WWA3	M	MID-FLOOD	4-Oct-07	16:24	7.40	28.2	5.91	5.83 5.76	5.82 5.80	89.1 87.7	86.8	8.2 8.2	24.9	5.9	5.9	5.9	15.5	14.7
99	WWA3	В	MID-FLOOD	4-Oct-07			28.1 28.4	5,84 5,68	5.62	5.80	87.1	86.8	8.2	25.4	6.1	6.0	3,8	11.5	
100	WRA1	S	MID-FLOOD	4-Oct-07	15:33	27,50	28.3	5.59	5.54	5.61	85.5	85.3	8.2	25.3	6.6	6.5		9.0	
101	WRA1	M B	MID-FLOOD MID-FLOOD	4-Oct-07 4-Oct-07	15,55	27.50	28.3	5.71	5.69	5.70	88,1	87.6	8.2	25.3	6.7	6.5	6.4	14.5	11.7
102	WRA2	5	MID-FLOOD	4-Oct-07			28.4	5.82	5.78	3.70	89.3	88.2	8.2	25.7	6.0	5.8		12.0	 _
104	WRA2	- N	MID-FLOOD	4-Oct-07	15:18	29.30	28.3	5.66	5.63	5.72	88.3	87.6	8.2	25.4	6.2	6.0		10.5	1
105	WRA2	В	MID-FLOOD	4-Oct-07	10.10	20,00	28.3	5.92	5.87	5.90	86.5	85.9	8.2	25.4	5.4	5.6	5.8	8.0	10.2
106	WRA3	S	MID-FLOOD	4-Oct-07			28.4	5.69	5.63	0.00	87,6	86.3	8.2	24.9	5.8	5.8		6.5	
107	WRA3	M	MID-FLOOD	4-Oct-07	15:02	30.30	28.3	5.53	5.51	5,59	86.9	85.4	8.2	24.8	5.8	5.7		7.0	ĺ
108	WRA3	В	MID-FLOOD	4-Oct-07			28.3	5.78	5.74	5.76	87.6	86.3	8.2	24.8	6.4	6.3	6.0	8.0	7.2
	WFCZ1	<u>š</u>	MID-FLOOD	4-Oct-07			28.5	5.87	5,81		88.3	87.5	8.2	24.7	5,2	5.4		6.5	
	WFCZ1	M	MID-FLOOD	4-Oct-07	15:14	39.70	28.3	5.75	5.73	5.79	86.1	85.8	8.2	24.6	5.4	5.5		8.0	- 1
	WFCZ1		MID-FLOOD	4-Oct-07			28.0	5.84	5.71	5.78	86.7	86.2	8.2	24.6	6.0	5,9	5.6	8.0	7.5
	WFCZ2	s	MID-FLOOD	4-Oct-07			28.5	5.76	5.65		87.5	86.3	8.2	25.8	5.4	5.6		10.5	i
	WFCZ2	м	MID-FLOOD	4-Oct-07	15:29	40.30	28.2	5.69	5.63	5.68	89.4	88.3	8.2	25.3	4.2	4.2		15.5	
114	WFCZ2	8	MID-FLOOD	4-Oct-07			28.1	5.82	5.81	5.82	87.1	86.4	8.2	25,1	4.8	4.6	4.8	10.5	12.2
115	NFCZR1	S	MID-FLOOD	4-Oct-07			28.4	6.03	5.01		85.2	84.9	8,2	25.7	4.9	4.9		10.0	
116	NFCZR1	М	MID-FLOOD	4-Oct-07	15:00	38,50	28.2	5.99	5.87	5,98	86.3	85.1	8.2	24.9	4.8	4,8		14.0	
117	NFCZR1	В	MID-FLOOD	4-Oct-07			27.9	5.95	5.83	5.89	87.7	86.6	8.2	24.3	5.0	5.1	4.9	12.5	12.2
	NFCZR2	S	MID-FLOOD	4-Oct-07			28.5	6.09	6.03		89.3	87.8	8,2	23.7	5.3	5,5		11.0	
	WFCZR2		MID-FLOOD	4-Oct-07	15:46	41,10	28.3	5.84	5.71	5.92	87,4	86.5	8.2	23.5	5.6	5.5		14.5	
	NFCZR2	В	MID-FLOOD	4-Oct-07			28.1	5.92	5.87	5.90	87.1	86.8	8.2	23.5	5.3	4.4	5.2	14,5	13.3
121	WWA1	S	MID-E8B	6-Oct-07			29.1	5.92	5.78		90.1	88.8	8.2	24.1	5.2 5.7	5.3 5.7		5.0 5.0	
122	WWA1	M	MID-EBB	6-Oct-07	15:33	8.00	28.7	6.08	6,01 6.07	5.95 6.10	89.2 91.1	87.8 90.6	8.2 8.2	24.7 24.6	6.1	5./ 6.D	5.7	5.0	5.0
123	WWA1	В	MID-E8B	6-Oct-07			28.7 28.6	5.13 5.97	5.84	0.10	91.1 89.4	87.3	8.2	24.7	5,7	5.9	3,1	7.0	3,0
124	WWA2	_ S	MID-EBB	6-Oct-07 6-Oct-07	15:56	8.00	28.7	5.97	5.84	5,94	87.9	87.1	8.2	24.7	5.8	5.7		6.5	
125	WWA2	B	MID-EBB MID-EBB	6-Oct-07	13:30	9.00	28.7	5.74	5.63	5.69	86.4	85.8	8.2	24.6	5.7	5.7	5.8	5,5	6.3
126 127	WWA2	S	MID-EBB	6-Oct-07			28.9	5.77	5.71	3.09	88.3	86.9	8.2	24.4	5.9	5.8	<u>v.v</u>	5.0	
128	WWA3	M	MID-EBB	6-Oct-07	16:07	7.00	28.7	5.89	5.74	5.78	87.4	86.3	8.2	24.8	5.3	5.4		6.5	
129	WWA3	- M	MID-EBB	6-Oct-07	10.01	,,,,,	28.6	5.84	5.75	5.80	87.7	86.9	8.2	24.6	5.6	5.5	5.6	5.0	5.5
130	WRA1	S	MID-EBB	6-Oct-07			28.9	6.01	5.92	 	88.7	86,9	8.2	24.7	6.2	6.1		5.5	
131	WRA1	M	MID-EBB	6-Oct-07	15:18	28.00	28.8	5.74	5.63	5.83	90.4	89.2	8.2	24.9	5.9	5,8		6.5	
132	WRAI	- B	MID-EB8	6-Oct-07			28.7	5.82	5.74	5.78	87.4	86.2	8.2	25.1	5.7	5,5	5.9	6.C	6.0
133	WRA2	s	MID-EBB	6-Oct-07			29.1	5,63	5.52		88.1	87.3	8.2	24.7	5.2	5.4		9.5	

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Lab		Į				Water	Temp.	DO, mg/L	DO, mg/L		saturation	saturation			Turbidity,	Turbidity,	Averaged	Suspended	Averaged
ID	Location	Position	Tide	Sampling Date	Time	depth, m	°c	(1)	(2)	DO, Average value	(1)	(2)	pH, Unit	Salinity, pot	NTU (1)	NTU (2)	Value	Solid, mg/L	Value
134	WRA2	М	MID-EBB	6-Oct-07	15:02	29.00	28.9	5.84	5.73	5.68	87.9	86.1	8.2	24.6	5.8	5.7		8.5	
135	WRA2	В	MID-EBB	6-Oct-07	1		29.0	5.92	5.84	5.88	85.8	85.1	8.2	24.4	5.9	6.0	5.7	6.5	8.2
136	WRA3	<u>-</u>	MID-E88	6-Oct-07			29.1	5,66	5.49		87.4	86.3	8.2	24.8	5.3	5.4		8.5	
137	WRA3	M	MID-E8B	6-Oct-07	14:47	30.00	29.0	5.78	5.71	5.66	90.2	89.2	8.2	24.7	5.7	5.6		10.0	
138	WRA3	8	MID-EBB	6-Oct-07			28.8	5.64	5.58	5.61	87.6	86.8	8.2	24.8	5.7	5.7	5.6	5.5	8.0
	WWFCZ1	s	MID-EBB	6-Oct-07			28.9	6.09	6.03		90.6	89.7	8.2	24.8	5.2	5.4		6.0	
	WWFCZ1	М	MID-EBB	6-Oct-07	14:58	40.00	29.1	6.11	6.02	6.06	88.4	87.7	8.2	24.7	5.7	5.6		6.0	
	WWFCZ1	В	MID-EBB	6-Oct-07			28.9	5.92	5.74	5.83	87.9	86.3	8.2	24.8	6.1	5.D	5.7	6.0	6.0
	WWFCZ2	s	MID-EBB	6-Oct-07			29.0	5.83	5.62		90.1	88.7	8.2	24.6	5.9	5.7		5.0	
	WWFCZ2	М	MID-EBB	6-Oct-07	15:14	41.00	28.8	5.91	5.83	5.80	89.2	87.8	8.2	24.3	5.2	5.0		5.5	i
	WWFCZ2	В	MID-EBB	6-Oct-07		ì	28.8	5.74	5.63	5.69	86.3	85.7	8.2	24.6	5.4	5.6	5,5	5.5	5.3
	WFCZR1	s	MID-E88	6-Oct-97			29.1	5.82	5.74		87.4	86.1	8.2	24.7	5.1	5.0		9.0	
	WFCZR1	М	MID-EB8	6-Oct-07	14:44	41.00	28.7	5.93	5.91	5.85	87.3	86,2	8.2	24.8	5.2	5.1		5.5	
	WFCZR1	В	MID-EB8	6-Oct-07			28.9	5,92	5.83	5.88	87.4	86.3	8.2	24.7	5.5	5.3	5.2	6.0	6.8
	WFCZR2	S	MID-EBB	6-Oct-07			29.0	6.01	5.89		89.4	88.1	8.2	24.1	5.8	5.9		5.0	
	WFCZR2	М	MID-EBB	6-Oct-07	15:32	42.00	29.0	5.74	5.63	5.82	87.4	85.6	8.2	24.3	5.7	5.6		5.5	
	WFCZR2	В	MID-EBB	6-Oct-07		1	28.9	5.82	5.74	5.78	87.1	86.8	8.2	23.7	5.9	6.0	5.8	5,0	5.2
151	WWA1	S	MID-FLOOD	6-Oct-07			28.3	5.94	5.83		88.7	86,9	8.2	24.4	5.8	5.7		6.5	
152	WWA1	M	MID-FLOOD	6-Oct-07	9:32	8.00	28.3	6.13	6.07	5,99	90.1	89.2	8.2	24.5	6,1	6.0		6.0	
153	WWA1	В	MID-FLOOD	6-Oct-07		1	28.4	6.02	5.88	5.95	88.4	87.3	8.2	24.5	5.7	5.6	5.8	6.0	6.2
154	WWA2	s	MID-FLOOD	6-Oct-07			28.3	5.94	5.82		90.3	89.2	8.2	24.7	5.2	5.4		6.5	
155	WWA2	м	MID-FLOOD	6-Oct-07	9:47	7.00	28.2	5.73	5.64	5,78	88.4	87.3	8.2	24.7	5,2	5.1		6.5	
156	WWA2	8	MID-FLOOD	6-Oct-07			28.2	5.82	5.74	5.78	89.2	88.3	8.2	24.4	5.6	5.8	5.4	6.0	6.3
157	WWA3	s	MID-FLOOD	6-Oct-07			28.3	5.93	5.86		89.5	88.1	8.2	24.8	5.3	5.1	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	5.0	
158	WWA3	М	MID-FLOOD	6-Oct-07	9:03	7.00	28.3	5.74	5.62	5.79	91.1	90.2	8.2	24.7	5,0	4.9		6.5	
159	WWA3	8	MID-FLOOD	6-Oct-07		1	28.2	5.82	5.74	5.78	89.2	88.4	8.2	24.7	4.9	5.0	5.0	5.0	5,5
160	WRA1	s	MID-FLOOD	6-Oct-07			28.5	6.01	5.92		90.7	89.8	8.2	24.1	5.0	5.0		5.0	
161	WRA1	М	MID-FLOOD	6-Oct-07	9:46	26.00	28.6	5.87	5.74	5.89	89.4	88.7	8.2	24.3	5,7	5.6		5.5	
162	WRA1	В	MID-FLOOD	6-Oct-07			28.6	5.82	5.69	5.76	86.9	86.3	8.2	24.3	5.5	5.3	5.4	6.5	5.7
163	WRA2	s	MID-FLOOD	6-Oct-07			28.4	5.74	5.63		89.4	88.3	8.2	24.4	5.8	5.9		5.5	
164	WRA2		MID-FLOOD	6-Oct-07	9:58	28.00	28.7	5.91	5.84	5.78	87.9	87,1	8.2	24.1	6.1	6.0		5.5	
165	WRA2		MID-FLOOD	6-Oct-07		i	28.6	5.83	5.81	5.82	85.2	87.4	8.2	24.5	5.9	5.8	5.9	5.0	5.3
166	WRA3		MID-FLOOD	6-Oct-07			28.7	5.94	5,83		86.7	86.2	8.2	24.3	5,5	5.6		5.0	
167	WRA3		MID-FLOOD	6-Oct-07	10:13	27.00	28.7	5.74	5.63	5.79	89.1	88.3	8.2	24.4	5.8	5.7		5.0	
168	WRA3		MID-FLOOD	6-Oct-07	İ	1	28.8	5.92	5.84	5.88	87.2	86.3	8.2	24.7	6.0	5.9	5.8	6.0	5.3
169	WWFCZ1		MID-FLOOD	6-Oct-07			28.7	5.58	5.59		90,1	88.9	8.2	24.2	6.5	6.3		6.0	
	WFCZ1		MID-FLOOD	6-Oct-07	11:01	38.00	28.9	5.74	5.68	5.67	89.3	88.7	8.2	24.3	5,9	5.8		5.5	
	WFCZ1		MID-FLOOD	6-Qcl-07		İ	28.6	5.93	5.87	5.90	87.4	86.6	8,2	23.9	5.7	5.8	6.0	6.0	5.8
	NWFCZ2		MID-FLOOD	6+Ocl-07			28.8	5.74	5.63		87.7	87.1	8.2	24.3	5.6	5.7		5.5	
	AWFCZ2		MID-FLOOD	6-Oct-07	10:43	38.00	28.9	5.47	5.38	5.56	89.3	88.2	8.2	24.4	5.8	5.7		5.5	
	WFCZ2		MID-FLOOD	6-Oct-07		1	28.7	5.61	5,57	5.59	90.4	89.3	8.2	24.6	6.1	5.1	5.8	6.5	5,8
	WFCZR1		MID-FLOOD	6-Oct-07			28.9	5.84	5.73		88.2	87.3	8.2	24.4	5.1	5.3		5.0	
	WFCZR1		MID-FLOOD	6-Oct-07	31:16	39.00	29.1	5.92	5.84	5.83	87.9	87.1	8.2	24.3	5.7	5.6		6.0	
	WFCZR1		MID-FLOOD	5-Oct-07		ŀ	28.8	5.73	5.66	5.70	86.4	85.9	8.2	24.3	5.9	5.8	5.6	6.5	5.8

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

			1			1	Í _		1		DO, %	DO, %					ΝΤυ,		SS,
Lab					1	Water	Temp.		DO, mg/l,	ĺ	saturation	saturation			Turbidity,	Turbidity,	Averaged	Suspended	Averaged
ID	Location	Position	Tide	Sampling Date	Time	depth, m	°c	(1)	(2)	DO, Average value	(1)	(2)	pH, Unit	Salinity, ppt	NTU (1)	NTU (2)	Value	Solid, mg/L	Value
178	WFCZR2	S	MID-FLOOD	6-Oct-07	f		28.9	5.88	5.81		89.1	88.2	8.2	24.6	5.3	5.4		0.8	
	WFCZR2	М	MID-FLOOD	6-Oct-07	10:29	41.00	28,9	5.74	5.63	5.77	87,4	86.1	8.2	24.4	5,5	5,6		7.5	ı
	WFCZR2	В	MID-FLOOD	6-Oct-07			28.7	5,73	5.65	5.69	89,3	87.7	8.2	24.7	5.1	5.3	5.4	8.0	7.8
181	WWA1	S	MID-EBB	9-Oct-07			27.4	5.84	5.73		87.4	86.3	8.1	28.4	5.7	5.8		9.0	,
182	WWA1	М	MID-EBB	9-Oct-07	15:25	8.00	27.5	5.91	5.88	5.84	87.7	86.3	8.1	28,5	6.0	5.9		13.5	
183	WWA1	В	MID-EBB	9-Oct-07	1		27.4	5.74	5,63	5.69	85.8	85.4	8,1	28.4	5.8	5.6	5.8	13.0	11.8
184	WWA2	S	MID-E9B	9-Oct-07		l	27.5	5.92	5.83		89.1	88.3	8.1	28.6	5.4	5.6		6.5	
185	WWA2	М	MID-EBB	9-Oct-07	15:13	7.00	27.3	5.81	5.74	5.83	88.7	87.7	8.1	28.4	5.6	5.8		10.0	
186	WWA2	В	MID-EBB	9-Oct-07			27.6	5.63	5.49	5.56	86.4	85.8	8.1	28.7	5.5	5.5	5.6	7.0	7.8
187	WWA3	S	MID-EBB	9-Oct-07		7.00	27.7	5.87	5.73		84.8	83.9	8.1	28.6	5.0	5.2		12.0	
188	WWA3	M	MID-EBB	9-Oct-07	14:59	7.00	27.6	5.74	5.65	5.75 5.53	86.5	85.7	8.1	28.7	5.3 5.7	5.3		7.0	400
189	WWA3	В	MID-EBB	9-Oct-07			27.4	5.59 5.57	5.47	5.53	84.9	84.1 87.3	8.1	28.4 28.4	4.7	5.6	5.3	13.5	10.8
190	WRA1	S M	MID-EBB	9-Oct-07 9-Oct-07	15:39	30.00	27.7	5.63	5.49 5.58	5.57	88.4 85.3	85.7	8.1 8.1	28.5	5.5	4.9 5.5		11.5 8.5	
197	WRA1	м В	MID-EBB MID-EBB	9-Oct-07	15.58	30.00	27.4	5.74	5.63	5.69	86.8	86.1	8.1	28.5	5.6	5.6	5.3	8.0	9.3
192	WRA2	S	MID-EBB	9-Oct-07			27.6	5.54	5.47	3.03	87.7	86.9	8.1	28.2	5,5	5.6	3.3	9.0	
194	WRA2	M	MID-EBB	9-Oct-07	15:56	31.00	27.5	5.62	5.55	5.55	88.3	87.2	8.1	28.4	5.8	5.7		6.5	
195	WRA2	В	MID-EBB	9-Oct-07	15,50	51.55	27.4	5.74	5.63	5.69	88.1	87.4	8.1	28.7	5.6	5.7	5.7	8.5	8.0
196	WRA3	s	MID-EBB	9-Oct-07			27.8	5.71	5.62	3.03	85.1	84.3	8.1	28.3	5.8	5.7	3,1	5.0	
197	WRA3	М	MID-EBB	9-Oct-07	16:07	28.00	27.7	5.49	5.41	5.56	85.7	85.1	8.1	28.4	5.3	5.2		8.5	
198	WRA3	B	MID-EBB	9-Oct-07			27.7	5.57	5.48	5.53	84.3	83.7	8,1	28.6	5.1	5.2	5.4	9.0	7.5
	WWFCZ1	s	MID-EBB	9-Oct-07			27.6	5.68	5,54		86.7	85,4	8.1	28.5	6.0	6.0		10.0	
	WWFCZ1	M·	MID-EBB	9-Oct-07	16:41	38.00	27.3	5,73	5.69	5.66	85.7	84.9	8.1	28.4	5.8	5.7		7.5	
	WWFCZ1	В	MID-EBB	9-Oct-07			27.3	5.82	5.74	5,78	84,9	84.3	8.1	28.4	5.7	5,6	5,8	6,0	7.8
	WWFCZ2	ş	MID-EBB	9-Oct-07			27.4	5.67	5.59		86.9	85.8	8.1	28.3	6.2	6.2		8.0	
203	WWFCZ2	M	MID-EBB	9-Oct-07	16:32	36.00	27.6	5.83	5.74	5.71	85,7	85.1	8.1	28.6	6.0	6.1		9.0	1
204	WWFCZ2	8	M/D-E8B	9-Oct-07		i	27.9	5.72	5.63	5.68	86.3	85.8	8.1	28.4	5.7	5.6	6.0	70	8.0
205	WFCZR1	s	MID-EBB	9-Oct-07			27.4	5.84	5.73		87.1	86.3	8.1	28.4	5.7	5.7		7.0	
	WFCZR1	М	MID-EBB	9-Oct-07	16;59	37,00	27.7	5.79	5.71	5.77	86,2	85.7	8.1	28.4	5.0	5.2		12.5	
	WFCZR1	В	MID-EBB	9-Oct-07			27.3	5.68	5.61	5.65	87.7	86.9	8.1	28,3	5,6	5.5	5.5	9.0	9.5
	WFCZR2	S	MID-EBB	9-Oct-07			27.7	5.72	5.63		87.4	85.3	8.1	28.7	5.7	5.9		11.0	
	WFCZR2	М	MID-EBB	9-Oct-07	16:20	38.00	27.8	5.54	5.47	5.59	87.4	86.8	8.1	28.6	5.6	5.6		9.0	
	WFCZR2	В	MID-EB8	9+Oct-07			27.6	5.67	5.59	5.63	89.2	86.3	8.1	28.4	6.0	5.8	5.8	8.5	9.5
211	WWA1	S	MID-FLOOD	9-Oct-07			26.8	5.54	5.42		86.6	85.5	8.1	28.6	4.3	4.1		7,5	
212	WWA1	М	MID-FLOOD	9-Oct-07	11:00	8.00	26.8	5.62	5.53	5.53	88.9	87.3	8.1	28.5	4.7	4.9		8.0	
213	WWA1	В	MID-FLOOD	9-Oct-07			26.9	5.69	5.54	5.62	86.7	85.3	8.1	28.6	5.3	5.2	4.8	6.5	7.3
214	WWA2	s	MID-FLOOD	9-Oct-07			27.1	5.83	5.71		85.8	84.7	8.1	28.4	5.8	5.6		6.0	
215	WWA2		MID-FLOOD	9-Oct-07	10:43	7.00	26.9	5.63	5,59	5.69	86.3	85.1	8.1	28.4	4.9	4.8		9.5	4.5
216	WWA2	В	MID-FLOOD	9-Oct-07			26.8	5.47	5.41	5.44	86.5	85.4	8.1	28.7	5.5	5.3	5.3	11.0	8.8
217	WWA3	S	MID-FLOOD	9-Oct-07	10:29	7.00	27.0 27.0	5.49 5.63	5.47 5.58	5.54	87.9 88.5	86.7 88.2	8.1 8.1	28.5 28.6	4.8 5.4	4.9 5.6		6.0	
218	WWA3	M B	MID-FLOOD	9-Oct-07 9-Oct-07	10:29	7.00	25.9	5.65	5.58	5.54	87.3	86.4	8.1	28.5	5.7	5.7	5.3	14.0 10.5	10.2
220	WRA1	S	MID-FLOOD	9-Oct-07			27.0	5,62	5.53	5.62	88.3	87.2	8.1	28.8	3.5	3.6	2.3	6.5	10.2
221	WRA1	M	MID-FLOOD	9-Oct-07	11:12	31.00	27.0	5.48	5.39	5.51	86,6	85.7	8.1	28.6	4.2	4.0		6.5	
ZZI	TVICAL	M	MID-PLOOD	9-Od-01	11.12	31.00	21.0	3.40	2.09	2,31	60.0	02.1	9.1		4.2	4.0		0.0	

Giveny project 24583 envijdata marine impact Data Evaluation/morthly

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

		Ι	T		1	i		1			00,%	00,%				Т	NTU,		SS,
Lab					l	Water	Тетр.	DO, mg/L	DO, mg/L		saluration	saturation	l		Turbidity,	Turbidity.	Averaged	Suspended	Averaged
ΙĐ	Location	Position	Tide	Sampling Date	Time	depth, m	°C	(1)	(2)	DO, Average value	(1)	(2)	pH, Unit	Salinity, ppl	NTU (1)	NTU (2)	Value	Solid, mg/L	Value
222	WRA1	В	MID-FLOOD	9-Oct-07			27.1	5.71	5.62	5.67	86.8	84.9	8.1	28.8	4.9	4.8	4.2	5.5	6.2
223	WRA2	S	MID-FLOOD	9-Oct-07			26.9	5.48	5.33		87.3	86.2	8.1	29.1	4.7	4.6		11.0	
224	WRA2	М	MID-FLOOD	9-Oct-07	11:26	32.00	27.2	5.72	5.67	5.55	85.9	84.3	8.1	28.9	4.3	4.4		7.0	i
225	WRA2	æ	MID-FLOOD	9-Oct-07			27,2	5,49	5.41	5.45	84.9	84.1	8.1	28.8	3.8	3.8	4.3	5.5	7.8
226	WRA3	S	MID-FLOOD	9-Oct-07			27.1	5.56	5.48		85.8	843	8.1	29.2	4.6	4.9		9.D	1
227	WRA3	M	MID-FLOOD	9-Oct-07	11:41	30.00	27.0	5.71	5.68	5.61	87.2	86.3	8.1	29.1	5.1	5.2		6.0	Ι.
228	WRA3	В	MID-FLOOD	9-Oct-07			26.8	5.69	5,61	5.65	87.9	87.1	8.1	29.1	5.1	5.0	5.0	10.5	8.5
	WWFCZ1	S	MID-FLOOD	9-Oct-07		l	27.1	5.84	5.73		89.6	88.3	8.1	28.7	5.7	5.7		10.5	i
	WWFCZ1	М	MID-FLOOD	9-Oct-07	12:18	41.00	27.2	5.68	5.55	5.70	87.8	86.7	8.1	28.9	5.6	5.5		6.5	
	WWFCZ1	В	MID-FLOOD MID-FLOOD	9-Oct-07			26.9	5.87 5.63	5.79 5.58	5.83	85.9 87.1	84.7 86.6	8.1	28.8 28.8	5.6 5.9	5.5 5.9	5.6	7.0 12.0	8.0
	WWFCZ2	S	MID-FLOOD	9+Oct-07	12:05	39.00	27.4	5.74	5.63	5.65	86.9	85.7	8.1	29.1	5.7	5.6			ı
		M	MID-FLOOD	9-Oct-07	12.00	39.00	27.4	5,77	5.71	5.74	87.4	86.3	8.1	28.7	5.9	5.9		8.0 9.5	
	WWFCZ2 WFCZR1	B	MID-FLOOD	9-Oct-07 9-Oct-07			27.1	5.84	5.73	5.74	88.4	87.2	8.1 8.1	28.6	5.2	5.3	5.8	5,5	9.8
	WFCZR1	M	MID-FLOOD	9-Oct-07	12:33	38.00	27.0	5.49	5,43	5.62	87.9	86.7	8.1	28.8	5.7	5.7		5.5	i
	WFCZR1	8	MID-FLOOD	9-Oct-07	12,00	20,00	27.1	5,67	5,53	5.60	87.1	86.8	8.1	28.7	5.7	5.8	5.6	5.5	5.5
	WFCZR2	S	MID-FLOOD	9-Oct-07			27.1	5,74	5.69	3.00	85.5	84.9	8.1	28,4	5.0	5.2	3.0	10.0	3.3
	WFCZR2		MID-FLOOD	9-Oct-07	11:51	39.00	26.9	5,73	5,61	5.69	83.9	83.7	8.1	28.8	5.5	5.5		7.5	ı
	WFCZR2	В	MID-FLOOD	9-Oct-07	1,1,5	22,22	27.0	5.47	5.38	5.43	86.3	85.4	8.1	28.7	5.7	5.7	5.4	12.0	9.8
241	WWA1	s	MID-EBB	12-Oct-07			28.8	5.94	5.82	V.7V	89.7	88.3	8.1	23.5	7.9	7.5	V.7	30.0	
242	WWA1	-ŭ	MID-EBB	12-Oct-07	13:59	7,40	28.8	5.85	5.81	5.86	88.5	87.4	8.1	23.2	8.3	8.7		22.5	l
243	WWA1	B B	MID-EBB	12-Oct-07	,		28.7	5.77	5.73	5.75	86.9	86.2	8.1	23.1	7.7	7.4	7.9	29.0	27.2
244	WWA2	S	MID-EBB	12-Oct-07			28.8	6.02	5.97		89.3	88.7	8.1	23,7	8.2	8.1		15.5	
245	WWA2	M	MID-E88	12-Oct-07	13:43	7.00	28.7	5.83	5.81	5.91	86.9	86.2	8.1	23.5	7.9	7.7		20.5	l
246	WWA2	В	MID-EBB	12-Oc1-07	i		28.7	5.89	5.83	5.86	87.6	85.4	8.1	23.5	6.5	6.4	7.5	20.5	18.8
247	WWA3	S	MID-EBB	12-Oct-07			28.8	6.02	5.95	***************************************	87.9	87.7	8.1	23.6	7.2	7.1		16.5	i Total
248	WWA3	M	MID-EBB	12-Oct-07	13:30	6.60	28.8	5.78	5,65	5.85	86.5	85.3	8.1	23.5	6.8	6.6		20.0	į
249	WWA3	В	MID-EBB	12-Oct-07			28.7	5,94	5.86	5.90	84,7	83.8	8.1	23.5	6.9	6.7	6.9	23.5	20.0
250	WRA1	S	MID-EBB	12-Oct-07			28.8	6.13	6.05		91.2	90.3	8.1	24.1	8,1	7.9		14.0	
251	WRA1	М	MID-E8B	12-Oct-07	14:10	33.70	28.6	6.24	6.11	6.13	90.9	89.5	8.1	23.8	7.4	7.5		20.0	
252	WRA1	В	MID-E8B	12-Oct-07		- 1	28.5	6.09	6.03	6.06	88.7	87.4	8.1	23.7	7.2	7.3	7.6	18.0	17.3
253	WRA2	S	MID-EBB	12-Oct-07		ĺ	28.9	6.15	6.07		91.9	90.4	8.1	23.9	6.5	6.7		12,5	
254	WRA2	M	MID-EBB	12-Oct-07	14:23	32,80	28.7	6.19	6.08	5.12	90.5	89.6	8.1	23.7	5.9	7.0		21.5	
255	WRA2	В	MID-EBB	12-Oct-07			28.6	6.25	6.16	6.21	92.7	90.6	8.1	23.7	5.8	5.9	6.5	10.0	14.7
256	WRA3	s	MID-EBB	12-Oct-07			28.9	6.04	5.98		89,5	88.3	8.1	23.5	7.2	6.8		8.0	
257	WRA3	М	MID-EBB	12-Oct-07	14:38	32.60	28.8	5,85	5,73	5.90	87.8	85.1	8,1	23.4	7,5	7.7		9.5	
258	WRA3	В	MID-EBB	12-Oct-07			28.7	5.94	5.87	5.91	88.3	87.5	8.1	23.4	6.4	6.8	7.1	5.0	7.5
	WWFCZ1	S	MID-EBB	12-Oct-07			28.9	5.96	5.88		89.3	88.6	8.1	22.7	5.5	5.5		9.0	
	WWFCZ1	М	MID-EBB	12-Oct-07	15:22	39.70	28.6	5.85	5.81	5.88	89.1	88.4	8.1	23.1	6.4	6.2		10.0	
	WWFCZ1	В	MID-EBB	12-Oct-07			28.5	5.79	5.72	5.76	86.2	87.3	8.1	22.9	6.6	6.6	6.1	11.0	10.0
	WWFCZ2	S	MID-EBB	12-Oct-07		١	28.8	5.94	5.83		89.3	88.1	8.1	23.8	5.6	5.6		12.5	
	WWFCZ2	M	MID-EBB	12-Oct-07	15:08	40.10	28.6	5.96	5.77	5.88	89.4	87.5	8.1	23.6	6.5	6.5		10.0	
	WWFCZ2	В	MID-EBB	12-Oct-07			28.4	5.85	5.81	5.63	86.3	85.5	8.1	23.1	6.0	6.1	6.1	8.0	10.2
265	WFCZR1	S	MID-EBB	12-Oct-07		L	28.8	6.04	6.01	1	90.1	89.2	8.1	22.9	5.4	5.6		13.0	

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								1	T	T	00,%	DÖ. %	1			Į	NTU.	1	\$\$,
Lab						Water	Тетр.	DO, mg/L	DO, mg/L		saturation	saturation	l		Turbidity,	Turbidity,	Averaged	Suspended	
ID	Location	Position	Tide	Sampling Date	Time	depth, m	°C	(1)	(2)	DO, Average value	(1)	(2)	pH, Unit	Salinity, ppt	NTU (1)	NTU (2)	Value	Solid, mg/L	Value
266	WFCZR1	М	MID-EBB	12-Oct-07	15:37	37.90	28.7	5.97	5.92	5.99	89.5	88.7	8.1	22.7	7.4	7.4		10.5	
267	WFCZR1	В	MID-EBB	12-Oct-07	1		28.5	5,93	5.91	5.92	88.5	87.6	8.1	22.5	6.8	6.6	6.5	14.0	12.5
268	WFCZR2	s	MID-EBB	12-Oct-07			28.7	5.93	5.91		90.2	89.2	8.1	23,9	5.1	6.1		11.0	
269	WFCZR2	M	MID-EBB	12-Oct-07	14:53	38.30	28.6	5.99	5.87	5.93	89.7	88,5	8.1	24.2	6.3	6.2		9.5	
270	WFCZR2	В	MID-EBB	12-Oct-07			28.3	5.94	5.93	5.94	88.6	87.1	8.1	24.1	6.5	6.6	6.3	14.0	11.5
271	WWA1	S	MID-FLOOD	12-Oct-07			28.7	5.88	5.79		90.7	88.6	8.1	23.9	9.8	8.7		13.0	
272	WWA1	М	MID-FLOOD	12-Oct-07	10:40	7.70	28.7	5.95	5.83	5.86	87.5	86,3	8,1	22.7	11.2	10.9		14,0	
273	WWA1	8	MID-FLOOD	12-Oct-07			28.6	6.01	5,93	5.97	90.2	89,6	8.1	22.9	12.1	10,7	10.6	12.5	13.2
274	WWA2	S	MID-FLOOD	12-Oct-07			28.7	5.85	5.74		87.5	85.3	8.1	24.2	9.5	9.4		13.5	
275	WWA2	M.	MID-FLOOD	12-Oct-07	10:53	7.30	28.6	5.92	5.83	5.84	89.2	88.6	8.1	23.5	11.9	10.7		12.0	
276	WWA2	₿	MID-FLOOD	12-Oct-07			28.6	6.03	6.01	6.02	90.5	89.7	8.1	22.9	12.7	11.8	11.0	9.0	11.5
277	WWA3	S	MID-FLOOD	12-Oct-07	ا ا		28.7	5.95	5.86		89.3	88.2	8.1	22.6	11.3	10.5		12.0	
278	WWA3	М	MID-FLOOD	12-Oct-07	11:09	6.90	28.7	5.89	5.83	5.88	88.7	87.5	8.1	21.9	10.4	9.8	44.4	11.5	12.3
279	WWA3	В	MID-FLOOD	12-Ocl-07			28.6	5.74	5.65	5.70	87.3	86.4	8.1	23.8	13.7	12.9	11.4	13.0	12.3
280	WRA1	S	MID-FLOOD	12-Oct-07	40.00	34.30	28.8	5.97	5.88		93.6	92.5	8.1	23.9	10.6 13.7	11.2		12.0	
281	WRA1	M	MID-FLOOD	12-Oct-07	10:25	34.30	28.6	5.86	5.75	5.87	94.8 95.7	93.3 94.6	8.1	24.1 23.8	11.7	10.5	11.7	8.5	11.2
282	WRA1	В	MID-FLOOD	12-Oct-07			28.5	5.93	5.87 5.83	5.90	95.7	93.7	8.1	23.0	10.1	11.5	13.7	14.5	11.5
283	WRA2	S	MID-FLOOD	12-Oct-07	10:13	33,20	28.7	5.95		5.85	96.2	95.3	8.1	23.9	11.3	11.5		9.5	}
284	WRA2	M	MID-FLOOD	12-Oct-07 12-Oct-07	10:13	33.20	28.6	5.86 6.05	5.77 6.01	6.03	97.6	96.5	8.1	23.7	11.1	12.3	11.3	10.0	11.3
285	WRA2	8 8	MID-FLOOD	12-Oct-07			28.7	6.13	6.06	0.03	95.3	94.6	8.1	23.6	8.5	8.7	11.0	12.5	11.0
286 287	WRA3	M	MID-FLOOD	12-Oct-07	10:00	32.90	28.5	6.07	6.05	6.08	89.2	88.3	8.1	23.5	11.2	11.5		13.0	
288	WRA3	8	MID-FLOOD	12-Oct-07	10.50	32.30	28.3	5.97	5.88	5.93	89.8	88.6	8.1	23.5	9.6	9.8	9.9	13.5	13.0
	WWFCZ1	S	MID-FLOOD	12-Oci-07			28.8	6.03	5.87	3.55	90.5	89.5	8.1	22.9	5.4	5.7		9.0	
	WWFCZ1	M	MID-FLOOD	12-Oct-07	9:15	40.50	28.6	5.99	5.85	5.94	88.3	87.5	8.1	23.1	6.0	6.1		13.0	
	WWFCZ1		MID-FLOOD	12-Oct-07	0,,,0	,,,,,,	28.4	6.12	6.03	6.08	86.3	85.4	8.1	22.9	6.3	5.4	6.0	10.0	10.7
	WWFCZ2		MID-FLOOD	12-Oct-07			28.9	6.12	6.01	0.00	89,6	88.3	8.1	23.8	5,8	5.7		11.0	· ·
	WWFCZ2	M	MID-FLOOD	12-Oct-07	9:29	41.20	28.6	5.98	5.96	6.02	88.6	87.5	8.1	23.7	6.0	5.8		9.0	
	WWFCZ2	В	MID-FLOOD	12-Oct-07			28.3	5.88	5.87	5.88	98.9	88.3	8.1	22.9	5.9	5.8	5.8	8.0	9.3
	WFCZR1	s	MID-FLOOD	12-Oct-07			28.7	5.96	5.85		89.1	88.6	8.1	23.6	5.5	5.6		7.0	
	WFCZR1	М	MID-FLOOD	12-Oct-07	9:00	38.70	28.5	5.79	5.74	5.84	87.9	86.3	8.1	22.9	6.G	6.1		9.5	
297	WFCZR1	В	MID-FLOOD	12-Oct-07	1		28.3	5.84	5.81	5,83	86.8	85.1	8.1	23,5	6.4	6.5	6.0	8.0	8.2
	WFCZR2	S	MID-FLOOD	12-Oct-07			28.8	6.05	5.83		89.7	88,6	B.1	23.9	5.9	5.8		11.0	
	WFCZR2	М	MID-FLOOD	12-Oct-07	9:43	39.50	28.6	5.98	5.77	5.91	88.2	87.1	8.1	24.1	6.1	6.3		9.0	
	WFCZR2	В	MID-FLOOD	12-Oct-07		l	28.3	5.86	5.75	5.81	89.2	88.1	8,1	22.8	6.1	6.2	6.0	10,0	10.0
301	WWA1	S	MID-EBB	13-Oct-07			28.5	5.81	5.76		88.7	87.5	8.2	24,7	5.8	5.7	ľ	11.5	
302	WWA1	M	MID-EBB	13-Oct-07	12:27	7.50	28.4	5.79	5.68	5.76	87.9	86.3	8.2	24.6	6.0	6.1		17.5	
303	WWA1	В	MID-E8B	13-Oct-07			28.4	5.69	5.65	5.67	85.4	85.1	8.2	24.3	5.3	5.4	5.7	19.0	16.0
304	WWA2	S	MID-E8B	13-Oct-07			28.6	6.01	5.92		89.7	88.88	8.2	24.6	5,8	5.9		11.5	
305	WWA2	М	MID-E8B	13-Oct-07	12:12	7.20	28.4	5.93	5.91	5.94	87.4	87.1	8.2	24.2	6.0	5.9		12.0	
306	WWA2	В	MID-EBB	13-Oct-07			28.3	5.84	5.81	5.83	86.8	85.3	8.2	24.1	5,8	5.8	5.9	14.0	12.5
307	WWA3	S	MID-EBB	13-Oct-07		ا ا	28.5	5.97	5.92		90.2	89.3	8.2	25.1	5.9	6.0		11.5 16.5	
308	WWA3	M	MID-EBB	13-Oct-07	12:00	6.80	28.4	5.85	5.73	5.87	89.7	88.6	8.2	25.2	5,8	5.7		19.0	45.7
309	WWA3	8	MID-EBB	13-Oct-07			28.3	5.87	5,82	5,85	87.1	86.2	8.2	25.1	5.8	5.8	5.8	19.0	15.7

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	Marine	Water C	luality lmpa	ct Monitoring	- Octo	ber 200	7	_											
r			I		Γ			т	ſ		00.%	DO, %	г —				NTU.	1	SS,
Lab	}					Water	Temp.	DO, mg/L	DO, mg/L		saturation	saturation			Turbidity,	Turbidily,	Averaged	Suspended	Averaged
ID	Location	Position	Tide	Sampling Date	Time	depth, m	°C	(1)	(2)	DO, Average value	(1)	(2)	pH, Unit	Salinity, ppt	NTU (1)	NTU (2)	Value	Solid, mg/L	Value
310	WRA1	S	M(D-E8B	13-Oct-07			28.6	5.93	5.87		90.5	89.2	8.2	25.2	4.9	4.8		15.0	
311	WRA1	M	MID-EBB	13-Oct-07	12:43	33.10	28.4	5.85	5.74	5.85	89.7	88.3	8.2	25.1	4.6	4.5		17.5	
312	WRA1	В	MID-E8B	13-Oct-07	1		28.1	5.91	5.85	5,88	89.6	88.2	8.2	25.1	5.4	5.4	4.9	16.0	16.2
313	WRA2	S	MID-E8B	13-Oct-07			28.6	6.14	6.03		91.4	90,3	8.2	24.9	5.9	5.9		18.5	
314	WRA2	М	MID-EBB	13-Oct-07	12:58	32.70	28.5	5.75	5.63	5,89	87,2	86.5	8.2	24.7	5.5	5.5		22.0	
315	WRA2	В	MID-EBB	13-Oct-07	l		28.2	5,85	5.81	5.83	88.3	87.4	8.2	24.7	5.7	5.6	5.7	14,5	18.3
316	WRA3	S	MID-EBB	13-Oct-07			28.5	5.99	5.96		89.2	88.1	8.2	24.8	5.0	4.9	ļ	19.0	
317	WRA3	M	MID-EBB	13-Ocl-07	13:10	33.20	28.3	5.85	5.81	5.90	88.5	87.1	8,2	24.6	5.8	5.6		14.5	
318	WRA3	В	MID-EBB	13-Oct-97			28.1	5.85	5.74	5.80	88.8	88.3	8.2	24.6	5.6	5.6	5.4	11.0	14.8
	WWFCZ1	s	MID-EBB	13-Oct-07			28.5	5.85	5.76		87.6	86.3	8.2	24.7	4.9	4.8		6.5	
	WWFCZ1	M	MID-EBB	13-Oct-07	13:44	39.60	28.3	5.81	5.73	5.79	87,5	85.3	8.2	24.6	6.0	6.1		15.0	
	WWFCZ1	В	MID-EBB	13-Oct-07			28.2	5.75	5.67	5.71	84.3	83.1	8.2	24.6	5,9	5.7	5.6	17,5	13.0
	WWFCZ2	Ş	MID-EBB	13-Oct-07			28.4	5.98	5.93		89.2	88.5	8.2	25.3	5.2	5.2		19.5	
	WWFCZ2	M	MID-EBB	13-Oct-07	13:39	40.50	28.1	5,85	5.81	5.89	87.5	86,5	8.2	25.2	5.3	5.3		17.5	20.7
324	WWFCZ2	В	MID-EBB	13-Oct-07			28.1	5.92	5.96	5.94	89,6	88.3	8.2	25.1	4,9	4.8	5.1	25.0 21.0	20.7
325	WFCZR1	S	MID-EBB	13-Oct-07			28.5	5.74	5.69		87.5	86.5	8.2	25.2	4.9 5.0	4.9		18.5	
326	WFCZR1	M	MID-EBB	13-Oct-07	13:59	39.10	28.3	5.83	5.77	5.76	89.5	88.5	8.2	25.1	5.0	5.0 5.2	5,0	19.5	19.7
327	WFCZR1	В	MID-EBB	13-Oct-07			28.1	5.92	5.86	5.89	90.1	89.6	8.2	25.0 24.7	6.0	5.7	5,0	15.5	19.7
328	WFCZR2	S	MID-EBB	13-Oct-07			28.5	6,03	5.97		89.9	88.2	8.2			4.9		18.0	
329	WFCZR2	M	MID-EBB	13-Oct-07	13:25	39.80	28.4	5.98	5.81	5.95	89.5	87.6	8.2	24.7 24.6	4.9 5.0	4.9	5.2	23.5	19.0
330	WFCZR2	В	MID-EBB	13-Oct-07			28.2	5.84	5.77	5.81	88.3	86.9	8.2		5.5	5.6	3,Z	16.5	15.0
331	WWA1	S	MID-FLOOD	13-Oct-07	0.00	7.80	28.3	5.97	5.85	5.00	87.5 88.5	86.1 88.3	8.2	25.1 24.8	5.4	5.5		20.0	
332	WWA1	M	MID-FLOOD	13-Oct-07	9:00	7.80	28.3	5,76	5.61	5.80	87.2	86.9	8.2	24.8	6.0	5.8	5.6	18.5	18.3
333	WWA1	В	MID-FLOOD	13-Oct-07			28.2 28.3	5.99 6.12	5,87 6.06	5.93	91.2	90.3	8,2	25.2	6.1	6.1	3.0	10.0	
334	WWA2	S	MID-FLOOD	13-Oct-07	8:45	7.50	28.3	5.85	5.73	5.94	86.4	85.7	8.2	24.9	6.0	6.0		15.5	
335	WWA2	M B	MID-FLOOD	13-Oct-07 13-Oct-07	0:40	7.50	28.3	5.85	5.85	5.88	89.2	88.3	8.2	24.7	4.8	4.8	5.6	16.0	13.8
336	WWA2	S	MID-FLOOD	13-Oct-07			28.3	5.88	5.74	3.00	87.6	86.4	8,2	24.9	5.5	5.4	- 0.0	14.5	10/0
337	WWA3	M	MID-FLOOD	13-Oct-07	8:30	7.10	28.3	5.94	5.87	5,86	91.2	90,3	8.2	25.2	5.6	5.7		18.5	
339	WWA3		MID-FLOOD	13-Oct-07	0,00	1	28.3	5,94	5.92	5.93	89.5	88.7	8,2	24.7	4.9	4.9	5.3	16.5	16.5
340	WRA1	S	MID-FLOOD	13-Oct-07			28.4	5.87	5.84	033	90.2	89.7	B.2	25.2	4.2	4.7		14.0	
341	WRA1	M	MID-FLOOD	13-Oct-07	9:15	34.90	28.4	5.91	5.88	5.88	88.6	87.5	8.2	25.1	4.6	4.7		12.5	
342	WRA1	B	MID-FLOOD	13-Oct-07	5,.5	54.55	28.3	5.95	5.71	5.83	88.4	86.5	8.2	25.2	5.2	5,3	4.8	17.5	14.7
343	WRA2	S	MID-FLOOD	13-Oct-07			28.4	5.85	5.63		89.7	86.1	8.2	24.8	5.6	5.6		14.0	
344	WRA2	M	MID-FLOOD	13-Oct-07	9:28	33.80	28.3	5.87	5.75	5.78	87.6	86,3	8.2	24.7	4.3	4.3		14.5	
345	WRA2		MID-FLOOD	13-Oct-07		55.55	28.3	5.92	5.90	5.91	87.4	85.5	8.2	24.5	4.7	4.7	4.9	13.0	13.8
346	WRA3	s	MID-FLOOD	13-Oct-07			28.5	6,11	6.04		91.8	90.3	8.2	24.5	5.0	5.2		14.5	
347	WRA3	M	MID-FLOOD	13-Oct-07	9:44	33.50	28.4	5.79	5,65	5.90	86.5	85.4	8.2	24.6	6.0	5.9		15.0	
348	WRA3	В	MID-FLOOD	13-Oct-07			28.4	5.92	5.87	5.90	88.1	87.6	8.2	24.6	6.1	6.1	5.7	14.5	14.7
	WWFCZ1	S	MID-FLOOD	13-Oct-07			28.5	5.96	5.87	2,00	89.8	87.6	8.2	25.1	4.2	4.3		10.0	
	WWFCZ1	M	MID-FLOOD	13-Oct-07	10.27	41.10	28.3	5.64	5.58	5.76	87.7	86.4	8,2	25.0	4.4	4.6		15.0	
	WWFCZI	В	MID-FLOOD	13-Oct-07			28.2	5.79	5.75	5.77	85.9	84.2	8.2	25.1	5.6	5.4	4.7	14.5	13.2
	WWFCZZ	S	MID-FLOOD	13-Oct-07			28.4	6,13	6.08		91.3	90.2	8.2	24.8	6.0	5.9		15.5	
					10:13	41.80				5.96	88.5	87.3	8.2	24.7	5.7	6.0		19.0	
	WWFCZ2	М	MID-FLOOD	13-Oct-07	10:13	41.80	28.4	5.86	5.75	5,96	88.5	87.3	8.2	24.7	5.7	6.0		19.0	

.							Temp.		DO	1	DO, %	DO, %			.		NTU,		SS.
Lab	Location	Position	Tide	Sampling Date	Time	Water depth. m		DO, mg/L (1)	DO, mg/L (2)	DO, Average value	saluration (1)	saturation (2)	nH Unit	Salinity, ppt	Turbidity, NTU (1)	Turbidity, NTU (2)	Averaged Value	Suspended Solid, mg/L	Averaged Value
	WWFCZ2	B	MID-FLOOD	13-Oct-07	7.511.0	depin, m	28.3	5.92	5.88	5.90	86,5	85.5	8.2	24.7	6.0	6.1	5.9	17.5	17.3
	WFCZR1	S	MID-FLOOD	13-Oct-07			28.4	5.94	5.83	5.35	89.2	87.1	8.2	24.6	5.9	5.7	J. 3	12.5	17.3
	WFCZR1	M	MID-FLOOD	13-Oct-07	10:43	39.60	28.3	6.05	6.01	5.96	90.1	87.2	8.2	24.3	5,6	5.6		14.0	ı
	WFCZR1	В	MID-FLOOD	13-Oct-07	1		28.3	5.74	5.65	5.70	88.3	87.1	8.2	24.1	4.0	3.9	5.1	15.5	14.0
	WFCZRZ	S	MID-FLOOD	13-Oct-07			28.4	5.98	5.77		89.6	86.5	8,2	24.9	4.3	4.3		17.0	i — —
359	WFCZR2	М	MID-FLOOD	13-Oct-07	9:58	40,50	28.3	6.03	5.82	5.90	89.2	87.3	8.2	24.2	4,1	4.4		20.0	ı
360	WFCZR2	В	MID-FLOOD	13-Oct-07	1		28.2	5.91	5.84	5.88	86,5	87.4	8.2	24.1	3.9	3.7	4.1	24.5	20.5
361	WWA1	S	MID-EBB	16-Oct-07			26.3	5,83	5.74		86,8	85.9	8.2	24.4	5.8	5.7		12.0	
362	WWA1	M	MID-EBB	16-Oct-07	15:29	7.00	25.4	5.92	5.86	5.84	87.4	86.4	8.2	24.4	5.6	5,6		17.5	J
363	WWA1	8	MID-EBB	16-Oct-07			26.4	5.74	5,66	5,70	88.1	87.3	8.2	24.6	5.6	5.7	5.7	13.0	14.2
364	WWA2	S	MID-E88	16-Oct-07			26.2	5.74	5.68		88.4	87.8	8.2	24.7	4.9	4.8		17.0	
365	WWA2	М	MID-EBB	16-Oct-07	15:15	6.00	26.2	5.92	5.78	5.78 5.45	86.9	86.1	8.2	24.3	5.0	5.1		14.0	
366	WWA2	B	MID-EBB MID-EBB	16-Oct-07			26.1 26.3	5.49 5.63	5.41 5.55	5.45	87,3 84,9	86.8 83.8	8.2 8.2	24.4	5.3 4.5	5.2 4.5	5.1	12.5 14.5	14.5
367 368	WWA3	M	MID-EBB	16-Oct-07	15:00	6.00	26.1	5.74	5,68	5.65	87.1	86.2	8.2	24.4	4.5	4.9		12.0	
369	WWA3	В	MID-EBB	16-Oct-07	13.00	3.00	26.1	5.91	5.83	5.87	88.1	86.9	8.2	24.3	5.0	4.9	4.8	16.5	14.3
370	WRA1	S	MID-EBB	16-Oct-07	-		26.2	5.85	5.79	3.01	86.1	85.4	8.2	24.6	5.2	5.4	7.0	15.0	
371	WRA1	м	MID-EBB	16-Oct-07	15:43	34.00	26.4	5.83	5.72	5.80	87.3	86,2	8.2	24.9	5.4	5.4		15.5	
372	WRA1	В	MID-EBB	16-Oct-07	1 1		25.4	5.64	5.58	5.61	86.1	87.3	8.2	24.7	5.6	5.6	5.4	17.5	16,0
373	WRA2	s	MID-EBB	16-Oct-07			26.3	5.72	5.63		88.4	87.9	8.2	24.3	4.9	5.0		15.5	
374	WRA2	М	MID-EBB	16-Oct-07	15:58	33.00	26.8	5.64	5.58	5.64	86.3	85.4	8,2	24.3	5.3	5.4		14.0	. 1
375	WRA2	В	MID-EBB	16-Oct-07			25.4	5.72	5.66	5.69	87.2	86.3	8.2	24.6	5,7	5.6	5.3	13.0	14.2
376	WRA3	S	MID-EBB	16-Oct-07			26.6	5.83	5.64		88.5	87.4	8.2	24.4	5.5	5.3		16.0	
377	WRA3	М	MID-EBB	16-Oct-07	16:07	33.00	26.5	5.97	5.82	5.82	89.1	88.4	8,2	24.7	5.5	5.6		19.5	
378	WRA3	8	MID-E88	16-Oct-07			26.2	5.57	5.52	5.55	86.3	85.8	8.2	24.8	6,0	6.1	5.7	14.0	16.5
	WWFCZ1	S	MID-EBB	16-Oct-07			26.4	5.39	5.48		87.4	85.3	8,2	24.2	5.8	5.6		14,5	. 1
	WWFCZ1	М	MID-EBB	16-Oct-07	16:54	37.00	25.7 26.3	5.48 5.61	5.39 5.57	5.44 5.59	88.8 86.4	87.9 85.7	8.2	24.2 24.1	5.5 5.6	5,5 5,4		14.5	
	WWFCZ1	B	MID-EBB MID-EBB	16-Oct-07 16-Oct-07			26.1	5.74	5.62	3.5B	87.2	86.6	8.2	24.1	5.6	5.4	5.6	15.5 16.5	14.8
	WWFCZ2	M	MID-EBB	16-Oct-07	15:39	39.00	25.9	5.49	5.62	5.57	88.3	87.4	8.2	23.9	5.6	5.7		19.5	. 1
	WWFCZ2	B	MID-EBB	16-Oct-07	10.55	33.00	26.2	5.72	5.66	5.69	89.2	88.1	8.2	24.2	5.7	5.6	5.6	14.0	16.7
	WFCZR1	s	MID-EBB	16-Oct-07	-		26.4	5.81	5.74	****	90.1	88.9	8.2	24,4	6.0	6.1		12.0	
	WFCZR1	M	MID-EBB	16-Oct-07	17:11	36.00	26.3	5.49	5.39	5.61	87.4	86.3	8.2	24.4	5.9	5.9		13.5	
387	WFCZR1	₽	MID-EBB	16-Oct-07		1	25.9	5.87	5.74	5.81	87,2	85.9	8.2	24.7	5.6	5.7	5.9	10.5	12.0
	WFCZR2	S	MID-EBB	16-Oct-07			26.7	5.49	5.32		87.4	86.6	8.2	24.4	5.3	5.2		15.5	
	WFCZR2	М	MID-EBB	16-Oct-07	16:25	41.00	26.1	5.67	5.49	5.49	85.7	84.9	8.2	24.3	4.9	5.1		15.5	
	WFCZR2	В	MID-EBB	16-Oct-07			26.3	5.81	5.72	5.77	88.1	87.2	8.2	24.3	4.8	4.8	5.0	16.0	15.7
391	WWA1	S	MID-FLOOD	16-Oct-07			25.8	5.96	5.93		87.2	86.5	8.2	24.5	5.7	5.7		14.0	
392	WWA1		MID-FLOOD	16-Oct-07	10:00	7.00	25.9	5.76	5.64	5.82	85,9	85,4	8.2	24.6	5.9	5.7		15.0	400
393	WWA1	В	MID-FLOOD	16-Oct-07			25.9 26.1	5.83 5.92	5.74 5.84	5.79	88.2 86.4	87.3 85.8	8.2 8.2	24.5 24.4	5.6 5.7	5.6 5.8	5.7	16.0 15.0	15.0
394	WWA2		MID-FLOOD	15-Oct-07 16-Oct-07	9:44	6.00	25.9	5.92	5.61	5.78	85.9	85.1	8.2	24.4	5.7	5.8		15.0	
395	WWA2		MID-FLOOD	16-Oct-07	5.44	0.00	25.9	5.88	5.73	5.81	86.1	85.7	8.2	24.6	B.1	6.0	5.9	14.5	14.0
397	WWA3		MID-FLOOD	16-Oct-07			26.0	5.92	5.83	5.01	88.3	87.4	8.2	24.7	5.7	5.8		9.5	17.0
201	FFFFAS	,	INDA COOD	30-001-07	1	L	20.0	7.72	5.85	ı	55.5	V1.7	٧.٤	47./	9.7	5.6		9.3	

Green project 24583 env_data marine impact Data Evaluation monthly

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

Lab ID	Location	Position	Tide	Sampling Date	Time	Water depth, m	Temp.	DO, mg/L (1)	DO, mg/L (2)	DO, Average value	DO, % saturation (1)	DO, % saturation (2)	pH, Unit	Salinity, ppt	Turbidity, NTU (1)	Turbidily, NTU (2)	NTU, Averaged Value	Suspended Solid, mg/L	SS, Averaged Value
398	WWA3	М	MID-FLOOD	16-Oct-07	9:31	6.00	25.1	5.74	5.71	5.80	86.9	86.1	8.2	24.8	5.5	5.6		13.0	,
399	WWA3	В	MID-FLOOD	16-Oct-07			26.1	5.59	5.63	5,66	87.4	86.3	8.2	24.5	5.0	5.0	5.4	15.5	12.7
400	WRA1	S	MID-FLOOD	16-Oct-07			26.1	5.86	5.74		87.2	86.3	8.2	24.7	6.1	5.9		14.5	
401	WRA1	М	MID-FLOOD	16-Oct-07	10:15	35.00	26.1	5.93	5.86	5.85	86.9	86.1	8.2	24.9	5.8	5.8		13.0	
402	WRA1	В	MID-FLOOD	16-Oct-07	i		26.3	5.74	5.63	5.69	88.7	87.4	8.2	24.6	5.4	5.5	5.8	12.5	13.3
403	WRA2	s	MID-FLOOD	16-Oct-07			26.1	6.12	6.03	***************************************	85.9	851	8.2	24.6	5.7	5.8		10.0	
404	WRA2	М	MID-FLOOD	16-Oct-07	10;30	34.00	25.9	5.84	5.77	5.94	85.3	85.4	8,2	24.5	5.9	5.8		12.5	
405	WRA2	В	MID-FLOOD	16-Oct-07	1 1		26.0	5.92	5.86	5.89	86.1	85.5	8.2	24.3	6.0	6.1	5.9	10.0	10.8
406	WRA3	s	MID-FLOOD	16-Oct-07			26.0	5.74	5,68		87.3	86.4	8.2	24.2	6.1	6.1		11.5	
407	WRA3	М	MID-FLOOD	16-Oct-07	10:42	34.00	26.2	5.84	5.77	5.75	88.9	87.8	8,2	24.6	5.9	6.0		17.0	
408	WRA3	В	MID-FLOOD	16-Oct-07			26.2	5.91	5.84	5.88	86.3	85.8	8.2	24.3	5.7	5.6	5.9	11.0	13.2
409	WWFCZ1	s	MID-FLOOD	16-Oct-07			26.3	5.51	5,47		86.1	85.8	8.2	24.9	5.9	5.7		17.0	***************************************
410	WWFCZ1	M	MID-FLOOD	16-Oct-07	11:31	39.00	26.4	5.76	5.64	5.60	87.4	86.6	8.2	25.1	5.9	5.9		15.5	
411	WWFCZ1	В	MID-FLOOD	16-Ocl-07	i		26.6	5.81	5.73	5.77	87.3	86.8	8.2	24.9	6.0	5.9	5.9	16.5	16.3
	WWFCZ2	S	MID-FLOOD	16-Oct-07			26.3	5.92	5.84		84.8	83.9	8.2	24.8	6.0	5.9		18.5	
413	WWFCZ2	М	MID-FLOOD	16-Oct-07	11;14	40.00	26.3	5.73	5.64	5.78	85.7	84.6	5.2	24.4	5.7	5.9		19.0	
414	WWFCZ2	В	MID-FLOOD	16-Oct-07			26,5	5,77	5.63	5.70	88.1	87.3	8.2	24.7	5.6	5.5	5.8	17.0	18.2
	WFCZR1	. s	MID-FLOOD	16-Oct-07			26.7	5.81	5.72		85.4	84.8	8,2	24.7	5.7	5.6		15.5	
415	WFCZR1	М	MID-FLOOD	15-Oct-07	11:46	38.00	26.4	5.94	5.83	5.83	87.7	86.6	8.2	24.8	5.8	5,7		16.5	
	WFCZR1	В	MID-FLOOD	16-Oct-07		[26.1	5.71	5.63	5.67	89.2	88.1	8.2	24.9	5.9	5.8	5.8	11.5	14.5
	WFCZR2	s	MID-FLOOD	16-Oct-07			26.1	5.82	5.76		87.4	86.3	8.2	24.6	5.1	5.0		24.0	
419	WFCZR2	М	MID-FLOOD	16-Ocl-07	10:57	42.00	25.9	5.54	5,47	5,65	84.9	84.1	8.2	24.7	5.0	5.0		16.5	
	WFCZR2	В	MID-FLOOD	16-Oct-07			25.8	5.81	5.74	5.78	87.8	86.3	8.2	24.7	5.1	5.1	5.0	17.5	19.3
421	WWA1	S	MID-EBB	18-Oct-07			27.7	6.03	6.11	"	89.7	86.2	8.3	23.7	5.6	5.6		6.5	
422	WWAI	М	MID-EBB	18-Oc1-07	10:41	6.80	27.7	5.83	5,75	5.93	87.6	87.3	8.3	24.4	5.0	4.8		10.0	
423	WWA1	В	MID-EBB	18-Oct-07			27.6	5.98	5.73	5.86	88.5	87.9	8.3	23.5	4.5	4.4	5.0	8.5	8.3
424	WWA2	S	MID-EBB	18-Oct-07			27.7	6.12	6,07		90.3	89.6	8.3	23.9	6.0	6,0		9.5	
425	WWA2	M	MID-EBB	18-Oct-07	10:58	6.60	27.7	5.86	5.79	5.96	87.5	86.1	8.3	23.7	5.5	5.8		13.0	
426	WWA2	В	MID-EBB	18-Oct-07	l		27.7	5.81	5.75	5.78	88.3	87.9	8.3	23.8	5.7	5.7	5.8	14.0	12.2
427	WWA3	S	MID-EBB	18-Oct-07			27.8	6.12	6.04		91.2	90.7	8.3	23.5	5.5	5.7		11.5	
428	WWA3	M	MID-EBB	18-Oct-07	11:13	6.30	27.7	5.88	5.76	5.95	86.3	85.5	8.3	23.6	5.5	5.6		18.0	
429	WWA3	В	MID-EBB	18-Oct-07			27.7	5.93	5,87	5.90	89.1	88.6	8.3	23.6	5.6	5.6	5.6	11.5	13.7
430	WRA1	S	MID-EBB	18-Oct-07			27.8	5.75	5.62		88.3	87.6	8.3	23.7	4.9	4.8		6.0	
431	WRA1	М	MID-EBB	18-Oct-07	10:27	29.60	27.7	5.81	5.69	5.72	87.5	86.2	8.3	23.5	5,1	5.1		6.5	
432	WRA1	8	MID-EBB	18-Oct-07			27.6	5.83	5,77	5.80	86.9	85.3	8.3	23.5	5.3	5.1	5.1	7.0	6.5
433	WRA2	S	MID-E88	18-Oct-07			27.8	6.07	6.02		88.7	87.2	8.3	23.7	6.0	5.9	·	16.0	
434	WRA2	M	MID-E8B	18-Oct-07	10:13	30.70	27.6	5.87	5.74	5.93	6.88	87.3	8.3	23.5	5.3	5.5		15.0	
435	WRA2	В	MID-EBB	18-Oct-07			27.5	6,13	6.02	80.8	91.2	90,3	8,3	23.4	5.8	5.6	5,7	11.0	14.0
436	WRA3	S	MID-EBB	18-Oct-07			27.8	5.89	5.63		89.7	86.3	8.3	23.5	5.5	5.6		13.0	
437	WRA3	M	MID-EBB	18-Oct-07	10:00	34.10	27.6	5.74	5.66	5.73	87.5	85.9	8.3	23.2	5.4	5.3		15.5	
438	WRA3	В	MID-EBB	18-Oct-07		[27.5	5.85	5,81	5,83	86.4	85.7	8.3	23.2	5.1	5.1	5.3	8.5	12.3
	AWFCZ1	S	MID-EBB	18-Oct-07			27.8	6.13	6.07		89.6	88.3	8.3	23.9	4.9	4.8		9.5	
	MWFCZ1	М	MID-EBB	18-Oct-07	9:14	39.20	27.6	5,92	5.81	5.98	87.2	86.5	8.3	24.1	6.0	6.1		7.0	
441 V	MWFCZ1	8	MID-EBB	18-Oct-07			27.4	5.99	5.87	5.93	88.3	86.9	8.3	23.8	6.0	5.8	5,6	7.5	8.0

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

	1 3					3		1	I	1	DQ, %	00,%	1		· · · · · · · · · · · · · · · · · · ·	1	NTU,	T	SS,
Lab	l i					Water	Temp	DO, mg/L	DO, mg/L		saturation	saturation			Turbidity,	Turbidity,	Averaged	Suspended	Averaged
(D	Location	Position	Tide	Sampling Date	Time	depth, m	,c	(1)	(2)	DO, Average value		(2)	-	Salinity, ppt	NTU (1)	NTU (2)	Value	Solid, mg/L	Value
	WWFCZ2	5	MID-EBB	18-Oct-07			27.7	6.06	5.83		90.2	88.7	8.3	24.1	5.7	5.5		7.5	
	WWFCZ2	М	MID-EBB	18-Oct-07	9:28	38.70	27.5	5.88	5.75	5.88	87.5	86.7	8.3	24.0	4.3	4.1		8.5	
	WWFCZ2	В	MID-EBB	18-Oct-07			27.4	5.93	5.87	5.90	89.2	87.3	8.3	24.0	6,0	5.7	5.2	15.5	10.5
	WFCZR1	S	MID-EBB	18-Oct-07			27.7	5.84	5.75		89.7	88.6	8.3	24.2	5.5	5,3		11.0	
	WFCZR1	M	MID-EBB	18-Oct-07	9:00	36.70	27.5	5.91	5.82	5.83	89.8	87.4	8.3	23.9	4.8	4.8		13.5 12.5	****
	WFCZR1	E .	MID-EBB	18-Ocl-97			27.3	5.86	5.75	5.81	88.3	87.5 86.3	8.3 8.3	23.7 23.5	4.9 4.7	4.8	5.0	8.0	12.3
448	WFCZR2	S M	MID-EBB MID-EBB	18-Oct-07 18-Oct-07	9:43	35,20	27.8 27.6	5.65 5.82	5.57 5.76	5.70	87.2 89.1	88.5	8.3	23.8	4.0	3,8		9.5	
450	WFCZRZ		MID-EBB	18-Oct-07	9.43	35.20	27.5	5.82	5.82	5.90	87.1	86.3	8.3	23.7	5.1	5.1	4.5	9.0	8.8
451	WWA1	S	MID-FLOOD	18-Oci-07			27.3	5,75	5.64	3.80	87.3	86.8	8.3	24.6	5.2	5.3	7.0	8.5	
452	WWA1	N.	MID-FLOOD	18-Oct-07	14:50	7.10	27.3	5.87	5.82	5.77	89.2	88.7	8.3	24.3	6.0	5.7		11.5	
453	WWA1	В В	MID-FLOOD	18-Oct-07	14.55	1.,0	27.2	5.98	5.02	5.95	90.4	89.1	8.3	24.3	5.5	5.4	5.5	7.5	9.2
454	WWA2	s	MID-FLOOD	18-Oct-07			27.2	5.84	5,81	0.00	87.6	86.3	8.3	25.2	4.8	4.6		5.5	
455	WWA2	M	MID-FLOOD	18-Oct-07	15:03	6.80	27.2	5.59	5.53	5.69	85.4	84.2	8.3	25.1	5.0	4.9		8,0	
456	WWA2		MID-FLOOD	18-Oct-07			27.2	5.65	5.62	5.64	84.7	83.8	8.3	24.9	5.1	5.1	4.9	7.0	6.8
457	WWA3		MID-FLOOD	18-Oct-07			27.3	5.74	5.59		86.5	85.1	8.3	24.7	5.6	5.5		5.0	
458	WWA3	М	MID-FLOOD	18-Oct-07	15:18	6.50	27.2	5.81	5.73	5.72	87.8	87.2	8.3	24.6	6.0	5.9		10.0	
459	EAWW	В	MID-FLOOD	18-Oct-07		ı	27.2	5.82	5.71	5.77	88.5	88.1	8.3	24.6	5.4	5.4	5.6	7.0	7.3
460	WRA1	S	MID-FLOOD	18-Oct-07			27.3	6.08	5.86		90.3	87.5	8.3	25.3	5,1	5.1		6.0	
461	WRA1	M	MID-FLOOD	18-Oct-07	14:35	31.90	27.2	6.07	5.94	5.99	89,2	86.5	8.3	25.1	4.8	4.9		10.0	
462	WRA1	В	MID-FLOOD	18-Oct-07			27.1	6.13	6.02	6.08	90.4	89.3	8.3	25.1	4.7	4,8	4.9	11.0	9.0
463	WRA2	S	MID-FLOOD	18-Oct-07			27.3	5.97	5.86		87.2	86.1	8.3	24.8	4,0	3.8		8,5	
464	WRA2		MID-FLOOD	18-Oct-07	14:20	31.20	27.3	5.95	5.91	5.92	88,5	87.3	8.3	24.7	4.3	4.4		9.0	
465	WRA2	В	MID-FLOOD	18-Oct-07			27.1	5.83	5.75	5.79	86.5	85,2	8.3	24.7	4,5	4.5	4.3	7.0	8.2
465	WRA3		MID-FLOOD	18-Oct-07			27.3	6.08	5.82		89.7	88.3	8.3	24.9	5.9	5.9		7.0	
467	WRA3	<u> </u>	MID-FLOOD	18-Oct-07	14:02	34.70	27.2	5.95	5.87	5.93	87.6	85.5	8.3	24.9 24.8	5.7 5.8	5.6 5.8	5.8	5.0	5.7
468	WRA3	В	MID-FLOOD	18-Oct-07			27.1	5.91	5.86	5.89	89.5	88,6 95,2	8.3	23.9	4.5	4.4	5.0	10.5	5.1
469	WWFCZ1	S	MID-FLOOD	18-Oct-07	13:14	40.30	27.2	6.29	6.25	2.50	96,3 94.6	95.2	8.3	23.7	5.4	5.3		7.5	
	WWFCZ1	M B	MID-FLOOD	18-Oct-07 18-Oct-07	13,14	40,30	27.0 26.8	6.22	6.13 6.01	6.22 6.04	91.1	90.8	8.3	23.7	5.8	5.7	5.2	14.5	10.8
		S	MID-FLOOD	18-Oct-07			27,3	5.75	5.69	7.04	94.6	93.3	8.3	24.7	5.5	5.4	J.2	7.0	
	WWFCZ2	M	MID-FLOOD	18-Oct-07	13:28	39.50	27.3	5.82	5.73	5.75	89.7	88.5	8.3	25.2	4.7	4.8		8.5	
	WWFCZ2	B	MID-FLOOD	18-Oct-07	.5.2.5	30.00	27.0	5.82	5.79	5,81	87.6	86.2	8.3	24.8	4.9	4.9	5.0	9.5	8.3
	WFCZR1	s	MID-FLOOD	18-Oct-07			27.2	6.23	6.12		97.5	96.3	8.3	24.3	5.2	5,1		8,5	
476	WFCZR1	- Ň	MID-FLOOD	18-Oct-07	13:00	37.40	27.0	6.12	6.09	6.14	95,3	94.4	8.3	24.2	4.7	4.8		11.5	
477	WFCZR1	В	MID-FLOOD	18-Oct-07			26.9	5.88	5.76	5.82	93.2	92.3	8.3	24.1	4,4	4.5	4.8	12.0	10.7
478	WFCZR2	S	MID-FLOOD	18-OcI-07			27.2	5.95	5.84		89.2	88.7	8.3	23.7	4.8	4.7		12.0	
479	WFCZR2	М	MID-FLOOD	18-Oct-07	13:48	36.10	27.1	5.89	5.77	5.86	87.4	86.1	8.3	23.5	4.7	4.6		12.0	
480	WFCZR2	В	MID-FLOOD	18-Oct-07		Ī	26.9	5.62	5.53	5.58	87.9	86.1	8.3	23.5	5.0	5.2	4.8	9.5	11.2
481	WWA1	s	MID-EBB	20-Oct-07			25,3	5.89	5.77		89.7	88,3	8.3	24.2	6.0	6.0		10.0	
482	WWA1	М	MID-EBB	20-Oct-07	9:29	6.60	25.3	5.65	5,53	5.71	86.5	85.4	8.3	23.8	5.4	5,3		13.5	
483	WWA1	В	MID-EBB	20-Oct-07		1	25.2	5.63	5.51	5.57	87.3	86,1	8.3	23.7	5,5	5.4	5.6	10.5	11.3
484	WWA2	s	MID-EB8	20-Oct-07			25.3	5.68	5,54		89.2	88.3	8.3	23.9	5.6	5.5		8.0	
485	WWA2	М	MID-EBB	20-Oct-07	9:13	6.40	25.2	5.73	5.69	5.66	85.3	84.6	8.3	23.7	6,3	6.3		10.0	

Goene project 24583 env_data marine impact Data Evaluation monthly

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

	Marine \	Water C	tuality Impa	ct Monitoring	g - Octo	ober 200	7												
$\overline{}$) 1					1			T	1	00.%	DO. %	T			1	NTU.	1	SS,
Lab	1					Water	Temp.	DO. ma/L	DO, mg/L	i	saturation	saturation	l		Turbidity,	Turbidity,	Averaged	Suspended	Averaged
ID	Location	Position	Tide	Sampling Date	Time	depth. m	°C	(1)	(2)	DO, Average value	(1)	(2)	pH, Unit	Salinity, ppt	NTU (1)	NTU (2)	Value	Solid, mg/L	Value
486	WWA2	В	MID-EBB	20-Oct-07			25.2	5,81	5.75	5.78	87.2	86.4	8.3	23.7	5.7	5.5	5.8	7.5	8.5
487	WWA3	Š	MID-EBB	20-Oct-07	 		25.3	5.94	5.83		89.4	88.7	8.3	24.1	5.6	5.6		9.0	
488	WWA3	M	MID-EBB	20-Oct-07	9:00	6.10	25.3	5.92	5.87	5,89	87.3	86.5	8.3	23.9	6.2	6.2		0.8	
489	WWA3	В	MID-E88	20-Oct-07	1		25.2	5.76	5.65	5,71	89.3	88.2	8.3	23.7	5.4	5.4	5.7	8.5	8,5
490	WRA1	s	MID-EBB	20-Oct-07			25.3	5.94	5.91		88.7	87,6	8.3	23.1	5,9	5.8		10.5	
491	WRA1	M	MID-EBB	20-Ocl-07	9:43	32.30	25.2	5.88	5.86	5.90	88.5	85.1	8.3	22.9	5.9	5.8		7.0	
492	WRA1	В	MID-EBB	20-Oct-07	1		25.1	5.79	5.77	5.78	87.3	87.2	8.3	22.8	5.1	5.1	5.6	10.0	9.2
493	WRA2	S	MID-EBB	20-Oct-07			25.3	5.75	5.73		87.6	87.5	8.3	22.7	4.9	4.8		10.0	
494	WRA2	M	MID-EBB	20-Oct-07	9:58	33,40	25.1	5.85	5.84	5.79	88.4	88.1	8.3	22.5	5.4	5.4		8.5	
495	WRA2	8	MID-EBB	20-Oct-07			25.1	5.89	5.83	5.86	88.9	88.4	8.3	22.7	6.2	6.3	5.5	7.5	8.7
496	WRA3	s	MID-EBB	20-Oct-07			25,3	5.75	5.71		87.3	87.D	8.3	23.1	4.9	4.9		6.5	
497	WRA3	M	MID-EBB	20-Oct-07	10:15	31.70	25.1	5.58	5.54	5 65	84.9	83.6	8.3	23.2	5.9	6,0		8.0	
498	WRA3	В	MID-EBB	20-Oct-07			25.1	5.63	5.59	5.61	86.5	85.8	8.3	23.2	5.7	5.6	5.5	9.5	8.0
499	WWFCZ1	S	MID-EBB	20-Oct-07			25.3	5.91	5.85		89.7	88.6	8,3	23,1	5.5	5.3		8.5	į
500	WWFCZ1	М	MID-EB8	20-Oct-07	10:58	38.60	25.1	5.94	5.87	5.89	89.5	88.3	8.3	23.2	5.0	4,9		8.0	
	WWFCZ1	В	MID-EBB	20-Oct-07			24.9	5.69	5.65	5.67	87.4	87.1	8.3	23.2	4,7	4.5	5.0	7.5	8.0
	WWFCZ2	S	MID-EBB	20-Oct-07			25.3	5.88	5.75		88.8	87.6	8.3	24.2	4.2	4,3		9.0	*
	WWFCZ2	M	MID-EBB	20-Oct-07	10:44	39,20	25,2	5.63	5.61	5.72	87.5	86.9	8.3	24.1	4.4	4.4		11.5	_ }
	WWFCZ2	В	MID-EBB	20-Oct-07			25.0	5.92	5.88	5.90	89.4	88.5	8.3	24.1	3.9	3.8	4.1	15.0	11.8
	WFCZR1	S	MID-E88	20-Oct-07			25.3	5.87	5.86		87.6	87.3	8.3	23.5	3.6	3.6		8.5	
	WFCZR1	М	MID-EBB	20-Oct-07	11:13	38.70	25.1	5.54	5.41	5.67	86.9	85.4	8.3	23.6	3.5	3.4		9.5	
	WFCZR1	В	MID-EBB	20-Oct-07			24.9	5.53	5.51	5.52	86.3	85.5	8.3	23.6	3.2	3.1	3.4	12.0	10.0
	WFCZR2	S	MID-EBB	20-Oct-07			25.3	5,65	5.60		86.4	85.1	8.3	23,4	3.5	3.6		6.5	
	WFCZR2	M	MID-EBB	20-Oct-07	10:30	38.20	25.1	5.82	5.79	5.72	87.6	87.4	8.3	23.7	3.8	3.9		6.5	
	WFCZR2	В	MID-E8B	20-Oct-07			24.9	5.83	5.81	5.82	88.2	87.7	8.3	23,7	3.7	3.6	3.7	9.0	7.3
511	WWA1	\$	MID-FLOOD	20-Oct-07		ľ	25.6	5.65	5.61		86.5	85,9	8.3	24.1	6.0	5.9		8.0	
512	WWA1	М	MID-FLOOD	20-Oct-07	15:28	6.80	25.6	5.73	5.70	5.67	87.3	86.4	8.3	24.2	5,5	5.5		9.0	
513	WWA1	8	MID-FLOOD	20-Oct-07			25.5	5.98	5.83	5.91	88.6	87.2	8,3	24.2	5.7	5.7	5.7	10.5	9.2
514	WWA2	. \$	MID-FLOOD	20-Oct-07			25.6	5.65	5.59		87.1	86.5	8.3	23.9	5.8	5.8		6.5	
515	WWA2	М	MID-FLOOD	20-Oct-07	15:13	6.60	25.6	5.43	5.42	5.52	87.3	861	8.3	23.9	5.6	5.5		10.0	
516	WWA2	8	MID-FLOOD	20-Oct-07			25.6	5.87	5,83	5.85	87.9	86.8	8.3	23.8	5.9	5.7	5.7	10.0	8.8
517	WWA3	s	MID-FLOOD	20-Oct-07			25,6	5.82	5.77		88.5	87.1	8.3	23.6	5.9	5.9		8.0	
518	WWA3	M	MID-FLOOD	20-Oct-07	15:00	6,30	25.6	5.94	5,83	5.84	89.2	88.3	8.3	23.7	5.8	5.8		10.0 12.5	40.2
519	WWA3	В	MID-FLOOD	20-Oct-07			25.6	5.82	5.73	5.78	87,6	86.5	8.3	23.5	5.6 5.7	5.6	5.8	11.0	10,2
520	WRA1		MID-FLOOD	20-Oct-07			25.6	5.83	5.77		88.2	87.6	8.3	23.3		5.7		10.0	
521	WRA1	М	MID-FLOOD	20-Oct-97	15:43	33.80	25.6	5.59	5,63	5.73	86.5	85.3	8.3	23.4	5.7	5.7			***
522	WRA1	8	MID-FLOOD	20-Ocl-07			25,5	5.75	5.71	5.73	87.6	85.2	8.3	23.4	5.5	5.6	5.6	11.5	10.8
523	WRA2	\$	MID-FLOOD	20-Oct-07	ا ا	ا ا	25.6	5.92	5.84		88.4	87.1	8.3	23.2	5.1	5.1		8.5 9.5	Ì
524	WRA2	<u>M</u>	MID-FLOOD	20-Oct-07	15:57	34.50	25.5	5.96	5.83	5.89	89.5	89.2	8.3	23.2	5.9	5.9			9,8
525	WRA2	В	MID-FLOOD	20-Oct-07			25.4	5.95	5.87	5.91	89.3	87.2	8.3	23.2	4.9	4.7	5.3	11.5	9.6
526	WRA3	S	MID-FLOOD	20-Oct-07			25.6	5.65	5.61		85.3	85.4	8.3	23,1	5.1	5.2		11.5	
527	WRA3	M	MID-FLOOD	20-Oct-07	16:10	32.90	25.5	5,75	5.73	5.69	87.2	87.1	8.3	23.1	5.1	5.1		13.0	10.5
528	WRA3	В	MID-FLOOD	20-Oct-07			25.4	5.92	5.87	5.90	88.5	88.3	8.3	23.1	5.0	4.9	5.0	7,0 7,0	10.5
529	WWFC21	S	MID-FLOOD	20-Oct-07	 	i [25.6	5.71	5.65		87.1	86.9	8.3	23.5	5.4	5.4		7.0	I

	Т				П		_			Í	DO. %	DO, %				1	NTU.		SS.
Lab			***	۵		Water	Temp.		DO, mg/L		saturation	saturation	l		Turbidity,	Turbidity.	Averaged	Suspended	Averaged
ID	Location		Tide	Sampling Date		depth, m	-	(1)	(2)	DO, Average value		(2)		Salinity, ppt	NTU (1)	NTU (2)	Value	Solid, mg/L	Value
	WWFCZ1	M	MID-FLOOD	20-Oct-07	16:55	40.30	25.4	5.83	5.79	5.75	88,3	87.6	8.3	23.5	5.1	5.1		9.0	i
	WWFCZ1	В	MID-FLOOD	20-Oct-07			25.2	5.94	5,86	5.90	86.4	85.7	B.3	23.6	5,0	5.0	5.2	9.5	8.5
	WWFCZ2	S	MID-FLOOD	20-Oct-07	1 45.45	44.00	25,6	5.88	5.75		88.6	87.1	8.3	23.4	4.7	4.7		9.0	1
	WWFCZ2	М	MID-FLOOD	20-Oct-07	16:40	41.20	25.5	5.94	5.87	5.86	89.2	88.3	8,3	23.4	4.6	4.8		9.0	1
	WWFCZZ	В	MID-FLOOD	20-Oct-07			25.3	5.82	5.75	5.79	89.2	88.1	8.3	23.3	4.6	4.6	4.7	12.0	10,0
535	WFCZR1	S	MID-FLOOD	20-Oct-07 20-Oct-07	17:10	39,80	25.6 25.3	5.96 5.99	5.87 5.91	5.93	88.6 87.3	87.5	8.3	23.2	4.1	4.1		16.0	1
	WFCZR1	M B	MID-FLOOD	20-Oct-07	17:10	39,60	25.2	5.87	5.82	5.85	86.9	86,2 85,3	8.3	23.2 23.3	5.0 3.9	4.8 3.8		8.0 11.5	1
537 538	WFCZR1		MID-FLOOD	20-Oct-07 20-Oct-07			25.6	5.87	5.82	3.63	88.4	87.9	8.3	23.4	3.6		4.3	8.0	11.8
539	WFCZR2	S M	MID-FLOOD	20-Oct-07 20-Oct-07	16:25	39.50	25.4	5,53	5.47	5.67	88.1	87.5	8.3	23.4	4.1	3,8 4.1		6.5	l
	WFCZR2	B	MID-FLOOD	20-Oct-07	10.23	35,30	25.2	5.91	5.87	5.89	86.3	85.8	8.3	23.4	4.3	4.2	4.0	7.5	7.3
541	WWA1	S	MID-FEBB	23-Oct-07			26.1	5.55	5.47	3.03	84.7	83.9	8.1	28.4	4.0	4.2	4.0	17.5	7.3
542	WWA1	M	MID-EBB	23-Oct-07	11:00	7.00	26.1	5.62	5.58	5.56	86.1	85.7	8.1	28.5	4.8	4.7		17.5	i
543	WWA1	B	MID-EBB	23-Oct-07	,		26.0	5.71	5.63	5.67	85.9	84.8	8.1	28.7	5.0	4.9	4.6	15.5	16.8
544	WWA2	s	MID-EBB	23-Oct-07			26.0	5.84	5.73	0.01	87.3	86.2	8.1	28.3	5.4	5.5	7,0	10.5	70.0
545	WWA2	М	MID-EBB	23-Oct-07	10:45	7.00	25.9	5.78	5.71	5.77	88.1	87.4	8.1	28.4	5.7	5.6		11.0	i
546	WWA2	В	MID-EBB	23-Oct-07	1		25.7	5.81	5.73	5.77	89,3	88.6	8.1	28.4	5.4	5.3	5.5	9.5	10.3
547	WWA3	s	MID-EBB	23-Oct-07			26.1	5.64	5.54		87.4	86.2	8,1	28.6	4.8	4.9		10.0	
548	WWA3	M	MID-EBB	23-Oct-07	10:30	6.00	26.1	5.83	5.72	5.68	87.8	87.1	8.1	28.7	5.0	4.9		5.5	i
549	WWA3	В	MID-EBB	23-Oct-07		· · · · }	26.2	5.91	5.84	5.88	88.4	87.3	8.1	28.3	4.8	4.5	4.8	14.5	10.0
550	WRA1	s	MID-EBB	23-Oct-07			26.4	5.71	5.64		88.1	87.4	8.1	28.8	3.7	3.7		5.5	1
551	WRA1	M	MID-EBB	23-Oct-07	11:12	31.00	26,2	5.73	5.66	5.69	87.9	87.3	8.1	28.7	4.1	3.9		5.0	i
552	WRA1	В	MID-E8B	23-Oct-07	1	1	26.2	5.82	5.74	5.78	86.9	86.1	8.1	29.0	4.4	4.5	4.1	5.0	5.2
553	WRA2	s	MID-E8B	23-Oct-07			26.4	5,49	5.43		87.3	85.8	8.1	28.5	4.7	4.6		8.5	
554	WRA2	M	MID-EBB	23-Oct-07	11:25	32,00	25.3	5.62	5.55	5.52	89.1	88,3	8.1	28.5	5.0	4.9		8.0	i
555	WRA2	B	MID-EBB	23-Oct-07		ı	26.2	5.71	5.64	5.68	88.7	87.4	8.1	28.4	4,9	4.7	4.8	5.0	7.2
556	WRA3	S	MID-EBB	23-Oct-07			26.4	5.75	5.69		86.7	85.9	8.1	28.7	5.2	5.1		7,5	
557	WRA3	М	MID-EBB	23-Oct-07	11:40	29.00	26.3	5.83	5.73	5.75	85.7	85.1	8.1	28.8	4.7	4.9		10.5	:
558	WRA3	В	MID-EBB	23-Oct-07		i	26,2	5.79	5.68	5.74	86.4	85.3	8.1	29.0	5.0	5.1	5.0	5.0	7.7
559	WWFCZ1	s	MID-EBB	23-Oct-07			26.5	5.92	5.87	***************************************	89.3	88.1	8.1	28.8	4.2	4.2		5.0	
560	WWFCZ1	М	MID-EBB	23-Oct-07	12:20	39.00	25.4	5.64	5.53	5.74	87.4	86.1	8.1	28.4	4.8	4.6		5.5	
561	WWFCZ1	В	MID-E88	23-Oct-07		[26.2	5.72	5.68	5.70	87.8	87.1	8.1	29.1	5.2	5.2	4.7	5.5	5.3
562	WWFCZ2	S	MID-E8B	23-Oct-07			26.7	5.92	5.B4		89.1	88.4	8.1	28.7	5.0	4.8		10.0	
563	WWFCZ2	М	MID-EBB	23-Oct-07	12:08	37.00	26.8	5.73	5.66	5.79	87.2	86,3	8.1	28,7	5.1	5.2		12.5	
	WWFCZ2	8	MID-EBB	23-Oct-07			26.5	5.81	5.73	5.77	87.4	86.6	8.1	28.4	5.7	5.6	5.2	7.5	10.0
	WFCZR1	S	MID-EBB	23-Oct-07			26.7	5.82	5.77		87.4	86.3	8.1	29.1	5.2	5.1		11.0	
	WFCZR1	М	MID-EBB	23-Oct-07	12:33	39.00	26.5	5.79	5.71	5.77	86.7	85.7	8.1	28.7	5.3	5.3		8.5	
	WFCZR1	В	MID-EB8	23-Oct-07			26.4	5.64	5.55	5.60	84.9	84.1	8.1	28.3	5.1	5.1	5.2	7.5	9.0
	WFCZR2	S	MID-EBB	23-Oct-07			26.4	5.74	5.62		87,4	86.3	8.1	28.8	5.0	4.9		9.5	
	WFCZR2	М	MID-E8B	23-Oct-07	11:52	40.00	26.2	5.81	5.74	5.73	87.1	86.7	8.1	28.4	5.1	5.2		10.5	
	WFCZR2	В	MID-EBB	23-Oct-07			26,2	5.91	5.83	5.87	87.2	85.4	8.1	28.7	5.2	5.1	5.1	14.5	11.5
571	WWA1		MID-FLOOD	23-Oct-07			25.9	5.87	5.79		87.4	86,3	8.1	28.3	4.7	4.7		5.5	
572	WWA1		MID-FLOOD	23-Oct-07	14:24	7.00	26.7	5.74	5.68	5.77	87.8	86.9	8.1	28.4	5.0	5.0		9.0	
573	WWA1	8	MID-FLOOD	23-Oct-07			26.7	5.78	5.71	5.75	86.1	87,4	8.1	28.4	5.7	5.6	5.1	5.5	6.7

G'env project 24583 env. data marine impact Data Evaluation monthly

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	1	l			ī	1			1	1	DO, %	1 00.%				1	NTU.	1	SS.
Lab	Į I				Ì	Water	Тетр.	DO, mg/L	DO, mg/L		saturation	saturation	1		Turbidity,	Turbidity.	Averaged	Suspended	
ID	Location	Position	Tide	Sampling Date	Time	depth, m	°C	(1)	(2)	DO, Average value	(1)	(2)	pH, Unit	Salinity, ppl	NTU (1)	NTU (2)	Value	Solid, mg/L	Value
574	WWA2	S	MID-FLOOD	23-Oct-07			27.2	5.92	5.84		87.9	87.1	8.1	28.6	5.4	5.5		5.0	
575	WWA2	М	MID-FLOOD	23-Oct-07	14:13	7.00	26.9	5.79	5.68	5.81	88.3	87.4	8.1	28.6	5.5	5.4		7.0	i
576	WWA2	В	MID-FLOOD	23-Oct-07	1		27.0	5.83	5.74	5.79	86.9	86.1	8.1	28.8	5.3	5.2	5.4	6.5	6.2
577	WWA3	S	MID-FLOOD	23-Oct-07			27.1	5,71	5.62		87.4	86.3	8.1	28.4	4,9	4.8		10.0	
578	WWA3	М	MID-FLOOD	23-Oct-07	14:00	6.00	27.0	5.67	5.59	5.65	87.9	86.8	8.1	28.5	5.2	5.3		11.0	i
579	WWA3	8	MID-FLOOD	23-Oct-07			26.9	5.74	5.65	5.70	87.4	86.3	8.1	28.5	5.5	5.3	5.2	10.0	10.3
580	WRA1	S	MID-FLOOD	23-Oct-07			27.2	5.64	5.55		86.4	85.9	8.1	28.2	4.5	4.3		8.0	ı
581	WRA1	М	MID-FLOOD	23-Oct-07	14:40	29.00	27.1	5.73	5.62	5.64	87.2	86.6	8.1	28.4	5.2	5.1		11.0	
582	WRA1	В	MID-FLOOD	23-Oct-07			27.3	5.74	5.63	5.69	87.4	86.3	8.1	28.3	4.9	4.8	4 8	8.5	9.2
583	WRA2	S	MID-FLOOD	23-Oct-07	44.50	30.00	27.4	5,49	5.41		85.9	85,8	8.1	28.7	5.2	5.3		6.0	:
584	WRA2	M	MID-FLOOD	23-Oct-07	14:56	30.00	27.3	5.72	5.66 5.58	5.57	87.1	86.2	8.1	28.4	5.3	5.2		6.0	
585	WRA2	В	MID-FLOOD MID-FLOOD	23-Oct-07 23-Oct-07			27.2	5.69	5.58	5.64	87.4 85.8	85.3 84.9	8.1 8.1	28.4	4.9	4.8 5.2	5.1	5.5 9.5	5.8
586 587	WRA3	S M	MID-FLOOD	23-Oct-07	15:08	28.00	27.4	5.58	5.49	5.61	87.1	86.5	8.1	28.5 28.4	5.0 5.4	5.2		5.0	: }
588	WRA3	B	MID-FLOOD	23-Oct-07	13,08	20.00	27.6	5.61	5.57	5.59	87.3	86,4	8.1	28.7	4.7	5.∠ 4.6	5.0	5.0	6.5
	WWFCZ1	S	MID-FLOOD	23-Oct-07			27.4	5.84	5.73	3.35	87.4	86.3	8.1	28.6	4.5	4.4	3.0	6.5	0.5
	WWFCZ1	M	MID-FLOOD	23-Oct-07	15:48	39.00	27.2	5.72	5,69	5.75	86.9	85.8	8.1	28.4	4.6	4.6		7.0	
	WWFCZ1	8	MID-FLOOD	23-Oct-07	701.10	*****	27.2	5.48	5,39	5.44	87.4	86.2	8.1	28.4	5.1	5.2	4.7	8.5	7.3
	WWFCZ2	s	MID-FLOOD	23-Oct-07			27.3	5.72	5.66		84.7	83.4	8.1	28.5	5.1	5.0		9.5	
	WWFCZ2	M	MID-FLOOD	23-Oct-07	15:37	37.00	27.1	5.74	5.68	5.70	84.9	84.1	8.1	28.7	5.8	5.7		12.0	1
	WWFCZ2	В	MID-FLOOD	23-Oct-07			27.1	5.59	5.48	5,54	85.3	84.4	8.1	28.4	5.2	5.3	5.4	13.5	11.7
	WFCZR1	S	MID-FLOOD	23-Oct-07			27.4	5.73	5.64		87.1	86.3	8.1	28.4	5.0	4.9		10.0	
596	WFCZR1	м	MID-FLOOD	23-Oct-07	16:05	37.00	27.2	5.59	5.46	5.61	86.2	85.5	8.1	28.3	4.8	4.8		5.5	
597	WFCZR1	В	MID-FLOOD	23-Oct-07			27.2	5.73	5.62	5.68	85.9	84.7	8.1	28.7	4.3	4.1	4.7	7.0	7.5
598	WFCZR2	S	MID-FLOOD	23-Oct-07			27.4	5.59	5.46		84.9	83.8	8.1	28.7	4.7	4.9		7.0	
599	WFCZR2	м	MID-FLOOD	23-Oct-07	15:22	38.00	27.3	5.82	5.73	5,65	85.2	84.6	8.1	28.6	5.0	51		7.5	
600	WFCZR2	В	MID-FLOOD	23-Oct-07			27.3	5.63	5.55	5.59	87.1	86.6	8.1	28.4	5.3	5.1	5.0	8.5	7.7
601	WWA1	S	MID-EBB	25-Oct-07			26.2	5.87	5.76		89.7	88.3	8.3	24.7	4.2	4.4		18.5	
602	WWA1	М	MID-EBB	25-Oct-07	12:34	7.00	26.2	5.69	5.65	5.74	87.6	86.5	8.3	23.8	5.0	4.9		17.5	
603	WWA1	В	MID-E88	25-Oct-07			26.1	5.86	5.83	5.85	88.4	88.2	8.3	22.9	6.0	5.8	5.0	15.5	17.2
604	WWA2	S	MID-E8B	25-Oct-07]	26.2	5.93	5.87		89.6	87.3	8.3	22.7	4.6	4.7		11.0	
605	WWA2	M	MID-EBB	25-Oct-07	12:15	6.80	26.2	5.95	5.91	5.92	90.2	89.2	8.3	25.1	5.6	5.6		8.5	
606	WWA2	В	MID-EBB	25-Oct-07		ļ	26.1	5.83	5.74	5.79	87.5	86.3	8.3	25.3	5.4	5.4	5.2	11.0	10.2
607	WWA3	S	MID-EBB	25-Oct-07			26.2	5.91	5.82		89.4	88.8	8.3	24.4	5.8	5.5		11.0	
608	WWA3	М	MID-EBB	25-Oct-07	12:00	6.60	26.2	5.78	5.73	5.81	87,9	87.5	8.3	24.8	5.1	5.1		13.5	
609	WWA3	В	MID-EBB	25-Oct-07			26,1	5.75	5.71	5.73	87.4	87.1	8.3	24.3	5.0	4.8	5.2	15.0	13.2
610	WRA1	S	MID-EBB	25-Oct-07	12:58	34.60	26.2	6.07	6.05		91.3	90.2	8.3	23.1	4.3	4.6		16.0	
611	WRA1	M	MID-EBB MID-EBB	25-Oct-07 25-Oct-07	12:58	34.00	26.1 26.0	6.13	6.09 5.97	6.09	92.8	91.7	8.3	23.2	4.9	4.9		16.5	40.0
612 613	WRA1	B					26.2	5.89	5.85	5.99	90.6 88.7	89.3	8.3	23.3	5.3	5.4	4.9	17.0	16.5
	WRA2	S M	MID-EBB MID-EBB	25-Oct-07 25-Oct-07	13:15	32.50	26.2	5.74	5.85	5.70	86.8	87.5	8.3	24.1	6.D	5.9		21.5	
614	WRA2	<u>R</u>	MID-EBB	25-Oct-07 25-Oct-07	13.15	32.30	26.0	5.85	5.74	5.79 5.80	87.6	85.4 86.1	8.3 8.3	24.3 24.9	5.1 5.4	5.1 5.4		20.0 8.5	40.7
616	WRA3	S	MID-EBB	25-Oct-07			26.1	5.96	5.87	5.00	89.2	86.7	8.3	23.7	5.6	5.4	5.5	13.0	16.7
617	WRA3	M	MID-EBB	25-Oct-07 25-Oct-07	13:34	31.10	26.0	5,92	5.88	5.91	89.2	87.9	8.3	23.7	5.5	5.2			1
017	VVICA3	NFI	MID-EBB	25-001-07	14.54	31.10	20.0	9,92	9,00	3.51	6.80	07.9	6.3	23.0	5.1	5.2		17.0	j

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	1	Ι	I						l	1	DO, %	DO, %]	NTU.		SS,
Lab						Water	Temp.		DO, mg/L		saturation					Turbidity,	Averaged	Suspended	Averaged Value
ID	Location	Position	Tide	Sampling Date	Time	depth, m	°c	(1)	(2)	DO, Average value		(2)	, ,	Salinity, ppt	NTU (1)	NTU (2)	Value	Solid, mg/L	
618	WRA3	В	MID-EBB	25-Oct-07			25.9	5.74	5.68	5.71	87.5	86.8	8.3	23.6	4.2	4.1	4.9	12.5	14,2
	WWFCZ1	\$	MID-EBB	25-Oct-07			25.2	5.94	5.86		88.7	87.5	8.3	23.8	3.5	3.6		11.0	1
	WWFCZ1	М	MID-EBB	25-Oct-07	14:19	41.20	25.0	5.87	5.82	5.87	87.6	86.9	8.3	23.7	3.1	3.1		14.0	ا مید ا
	WWFCZ1		MID-EBB	25-Oct-07			25.8	5.95	5.83	5.89	89.3	88.7	8.3	23.6	4.0	3,9	3.5	9.0	11.3
	WWFCZ2		MID-EBB	25-Oct-07			26.2	5.74	5.71		86.8	85,4	8.3	24.7	4.2	4.1		11.5	i i
	WWFCZ2	M	MID-EBB	25-Oct-07	14:03	40.80	26.0	5.69	5.63	5,69	87.1	85.8 87,5	8.3	24.2 24.0	3.2 4.2	3.1	3.8	11.5	12.7
	WWFC22	В	MID-EBB	25-Oct-07			25.9	5.76	5.71	5,74	88.2 87.6	86.5	8.3	23.8	5.3	5.2	3,0	20.0	1 1 1 1 1
	WFCZRI	5	MID-EBB	25-Oct-07	14.25	38.60	26.2	5.62 5.75	5.57 5.71	5.66	87.5	86.9	8.3	23.7	5.1	5.2		14.5	i
	WFCZR1	M. B	MID-EBB MID-EBB	25-Oct-07 25-Oct-07	14:35	30.00	25.8	5.69	5.66	5.68	B6.5	85.5	8.3	23.7	5.0	5.0	5.1	19.0	17.8
628	WFCZR1	- B	MID-EBB	25-Oct-07 25-Oct-07			26.2	5.83	5.81	3,00	88.7	87.5	8.3	24,4	3.9	3.9		8.5	
	WFCZR2	M	MID-EBB	25-Oct-07	13:50	39.30	26.1	5.75	5.73	5.78	87.4	87.1	8.3	24.4	4.0	4.0		18.5	i
630	WFCZR2	В	MID-EBB	25-Oct-07	10.00	55.55	26.0	5.68	5.63	5.66	86.5	86.1	8.3	24.7	3.9	3.9	3.9	19.0	15.3
631	WWA1	S	MID-FLOOD	25-Oct-07			26.2	5.64	5.59	3.55	88.3	87.6	8.3	24.8	4.2	4.2		6.0	
632	WWA1	м	MID-FLOOD	25-Oct-07	9:27	7.20	26.2	5.72	5.63	5.65	88.4	87.7	8.3	24.7	6.0	5.9		11.0	I
633	WWA1	В	MID-FLOOD	25-Oct-07			26.1	5.49	5,39	5,44	87.9	86.7	8.3	24.4	6,9	6.9	5.7	11.0	9.3
634	WWA2	5	MID-FLOOD	25-Oct-07			26.1	5.92	5.87		88.4	87.2	8,3	24.7	4.7	4.6		10.0	i T
635	WWA2	М	MID-FLOOD	25-Oct-07	9:13	6.90	26.0	5.88	5.73	5.85	87.9	86.8	8.3	24.6	5.7	5,8		11.0	İ
636	WWA2	8	MID-FLOOD	25-Oct-07			25.9	5.92	5.79	5.86	85.9	85.1	8.3	24.4	5.4	5.4	5.3	13.5	11.5
637	WWA3	\$	MID-FLOOD	25-Oct-07			26.0	5.63	5.55		87.4	86.3	8.3	24.3	4.8	4.6		9.0	1
638	WWA3	М	MID-FLOOD	25-Oct-07	9:00	6.70	25.8	5,73	5.64	5.64	86.8	85.9	8.3	24.7	5.2	5.3		13.0	i
639	WWA3	В	MID-FLOOD	25-Oct-07			25.8	5.81	5.69	5.75	87.4	85.3	8.3	24.4	5.9	5.9	5.3	13.5	11.8
640	WRA1	Ş	MID-FLOOD	25-Oct-07			25.9	5.94	5.87		87.2	86.6	8.3	24.4	4.3	4.8		10.5	İ
641	WRA1	М	MID-FLOOD	25-Oct-07	9:41	33,80	25.9	5.83	5.76	5.85	88.1	87.4	8.3	24.6	5.4	5.4		13.5	i
642	WRA1	В	MID-FLOOD	25-Oct-07			25.7	5.82	5.77	5.80	87.9	86.8	8.3	24.5	6.0	5,9	5,3	15.0	13.0
643	WRA2	S	MID-FLOOD	25-Oct-07			26.0	5.92	5.83		85.9	84.7	8.3	24.3	6,1	6.1		7.5	i l
644	WRA2	M	MID-FLOOD	25-Oct-07	9.56	34.20	25,9	6.01	5.92	5.92	85.4	84.3	8.3	24.4	7.5	7.4		10.0 10.5	9,3
645	WRA2	В	MID-FLOOD	25-Oct-07			25.9	5.84	5.73	5.79	86.7	85.3	8.3	24.2	7.4 4.2	4.1	7,0	8.D	9,3
645	WRA3	S	MID-FLOOD	25-Oct-07	40.40		26.1	5.81	5.73		88.9	88.1	8.3	24.7 24.1	5.2	5.2		11.0	i l
647	WRA3	M	MID-FLOOD	25-Oct-07	10:10	32.90	26.0	5.92	5.84	5.83 5.70	88.4 86.8	87.2 85.9	8.3 8.3	24.3	5.2	5.4	4.9	11.0	10.0
648 649	WRA3 WWFCZ1	B	MID-FLOOD MID-FLOOD	25-Oct-07 25-Oct-07			25.8 26.0	5.76 5.73	5.64 5.88	3.70	87,4	85.9	8.3	24.3	3.4	3.4	7.0	5.0	,,,,,
	WWFCZ1	M	MID-FLOOD	25-Oct-07	10:52	40.70	25.8	5.73	5.66	5,70	88.8	87.9	8.3	23.9	3,3	3.4		7.5	i .
	WWFCZ1	B	MID-FLOOD	25-Oct-07	10.02	40.70	25.8	5.72	5.87	5.90	86,3	85.8	8.3	23.8	5.3	5.1	4.0	11.0	7.8
	WWFCZ2	S	MID-FLOOD	25-Oct-07			26.1	5.84	5.73	5.50	87,4	86.6	8.3	24.5	4.2	4.3		14.0	
	WWFCZZ	M	MID-FLOOD	25-Oct-07	10:38	42.10	25.9	5.78	5.69	5.76	89.1	88.2	8.3	24.3	3.8	3.8		13.0	i
	WWFCZ2	В	MID-FLOOD	25-Oct-07			25.8	5,47	5.39	5.43	90.1	88.9	8.3	24.2	3.9	3.9	4.D	14.0	13.7
	WFCZR1	_ <u>s</u> _	MID-FLOOD	25-Oct-07			25.9	5.81	5.74	***************************************	87.4	85.3	8.3	24.7	3.8	3.7		10.0	
	WFCZR1	М	MID-FLOOD	25-Oct-07	11:06	39.80	25.9	5.49	5.41	5.61	88.1	87.2	8.3	24.8	4.1	4.1		5.5	i
657	WFCZR1		MID-FLOOD	25-Oct-07			25.8	5.83	5.79	5.81	87.4	85.3	8.3	24.1	4.3	4.1	4.0	16.5	10.7
658	WFCZR2	s	MID-FLOOD	25-Oct-07	·i		26.1	6.01	5.92		88.7	87.9	8.3	24.4	4.1	4.2		18.0	
659	WFCZR2	M	MID-FLOOD	25-Oct-07	10:23	38.80	25.9	5.84	5.77	5.89	86.4	85.7	8.3	24.3	4.2	4.2		9.0	į
660	WFCZR2	В	MID-FLOOD	25-Oct-07			25.8	5.74	5.63	5.69	87.4	86.3	8.3	24.7	5,1	5.1	4.5	10.5	12.5
661	WWA1	S	MID-EBB	27-Oct-07			25.4	5.75	5.71		89.3	85.7	8.3	23.5	4.3	4.2		15.0	ı

Grens project 24583 em "data marine impact Data Evaluation monthly

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	marme	water u	uality impa	ct Monitoring	j - Octo	ober zuu.	,												
г									7		DO. %	DO. %				T	NTU,	1	SS,
Lab						Water	Temp.	DO, mg/L	DO, mg/L		saturation	saturation		l i	Turbidity,	Turbidity,	Averaged	Suspended	Averaged
ID :	Location	Position	Tide	Sampling Date	Time	deplh, m	°C	(1)	(2)	DO, Average value	(1)	(2)	pH, Unit	Salinity, ppt	NTU (1)	NTU (2)	Value	Solid, mg/L	Value
662	WWA1	М	MID-EBB	27-Ocl-07	13:53	6.10	25.4	5.83	5.79	5.77	87.5	86.9	8.3	23.6	6.0	5.8		9.5	
663	WWA1	В	MID-EBB	27-Oct-07		5	25.3	5.92	5.87	5.90	89.4	88.3	8.3	23.6	5.4	5.5	5.2	14.5	13.0
564	WWA2	s	MID-EBB	27-Oct-07	-		25.4	5.65	5,54		83.4	82.9	8.3	23.7	5.3	5.2		23.0	
665	WWA2	M	MID-EBB	27-Oct-07	13:42	6.40	25.3	5.73	5.69	5.65	87.6	86.3	8.3	23.7	5.3	5.5		22.5	1
666	WWA2	В В	MID-EBB	27-Oct-07	14.12	52.15	25.3	5.82	5.80	5.81	85,7	84.9	8.3	23,6	5.6	5.6	5,4	21.0	22.2
667	WWA3	s	MID-EBB	27-Oc1-07			25.4	5.95	5.85		86.8	85.5	8.3	23.6	5.7	5.6		11.0	
668	WWA3	M	MID-EBB	27-Oct-07	13:30	5,90	25.3	5.83	5.75	5.85	86.2	85.5	8.3	23.5	6.0	5.9		14.0	ĺ
669	WWA3	B	MID-EBB	27-Oct-07		1,77	25.3	5.91	5.87	5.89	88.3	87.6	8.3	23.5	5.7	5.7	5.8	13.0	12.7
670	WRA1	s	MID-EBB	27-Oct-07			25.4	5.87	5.79		90.5	89.7	8.3	23.4	5.2	5.1		8.0	
671	WRA1	M	MID-EBB	27-Oct-07	14:04	33.50	25.3	5.75	5.63	5.76	88.3	87.2	8,3	23.4	6.0	5.9		7.5	i
672	WRA1	8	M/D-E8B	27-Oct-07			25.2	5.84	5.81	5.83	89.6	87.5	8.3	23.3	5.5	5.8	5.6	6.0	7.2
673	WRA2	s	MID-EBB	27-Oct-07			25.4	6.03	6.06		90.2	89.6	8.3	23.7	5.5	5.6		15.0	
574	WRA2	M	MID-EBB	27-Oct-07	14:20	34,20	25.3	6.12	6.01	6.06	88.3	87.6	8.3	23.6	5.4	5.4		11.0	i
675	WRA2	В	MID-EBB	27-Oct-07			25.3	5.98	5.93	5.96	86.9	85,4	8.3	23.5	5.3	5.1	5.4	12.5	12.8
676	WRA3	s	MID-EBB	27-Oct-07			25.4	5.84	5.76		86.9	85.4	8.3	23.3	5.5	5.3		10.5	
677	WRA3	M	MID-EBB	27-Oct-07	14:35	33.60	25.3	5.92	5.87	5.85	88.2	87.1	8.3	23,4	5.7	5.6		11.5	i i
678	WRA3	В	MID-EBB	27-Oct-07			25.2	5.88	5.76	5.82	88.5	87.6	8.3	23.6	5,8	5.8	5.6	7.D	9.7
	WWFCZ1	S	MID-EBB	27-Oct-07			25.4	5.74	5.63		92.3	91.2	8.3	23.5	5.2	5.2		8.0	
	WWFCZ1	M	MID-EBB	27-Oct-07	15:22	35.90	25.2	5.81	5.82	5.75	88.7	86.5	8.3	23.4	5.6	5.5		12.5	i l
	WWFCZ1	В	MID-EBB	27-Oct-07			25.1	5.65	5.61	5,63	86.3	84,9	8.3	23.3	5.6	5.9	5.5	17.D	12.5
	WWFCZ2	s	MID-EBB	27-Oct-07			25.5	5.95	5.87		87.2	85.3	8.3	23.7	4.3	4.3		9.0	
	WWFCZ2	M	MID-EBB	27-Oct-07	15:06	39,10	25.3	5.91	5.88	5.90	89.5	88.7	8.3	23.6	4.2	4.2		8.5	i i
	WWFCZ2	В	MID-EBB	27-Oct-07			25.1	5.75	5.71	5,73	86.1	85.3	8.3	23.5	4.3	4.3	4.3	9.D	8.8
	WFCZR1	s	MID-EBB	27-Oct-07			25.4	5.92	5.87		90,2	89.7	8.3	23.5	4.1	4.1		6.0	
	WFCZR1	М	MID-EBB	27-Oct-07	15:38	35.30	25.2	5.95	5.88	5,91	89.5	88.5	8.3	23.5	5.0	5.1		8.0	i
	WFCZR1	В	MID-EBB	27-Oci-07			25.1	5.64	5,57	5.61	87.2	86.3	8.3	23.4	5.4	5.3	4,8	8.5	7.5
	WFCZR2	S	MID-EBB	27-Oct-07			25.3	6.03	6.12		90.1	89.7	8.3	23,3	5.7	5.7		8.5	i
	WFCZR2	M	MID-EBB	27-Oci-07	14:50	40,70	25.2	5.87	5.81	5.96	90.2	88.7	8,3	23.3	5.5	5.2		9,0	i
	WFCZR2	В	MID-EBB	27-Oct-07	1	ì	25.1	5.54	5.51	5.53	86.4	85.3	8.3	23.4	5.4	5.4	5.5	10.5	9.3
691	WWA1	S	MID-FLOOD	27-Oct-07		-	25.2	5.86	5.73		87.5	86.3	8.3	23.7	4.4	4.5		7.0	i
692	WWA1	M	MID-FLOOD	27-Oct-07	9:28	6.40	25.2	5.75	5.67	5.75	88.4	87.2	8.3	23.5	5.0	5.2		10.0	i
693	WWA1	B	MID-FLOOD	27-Oct-07		ŀ	25.1	5,59	5.53	5.56	86.5	86.4	8.3	23.4	5.3	5.2	4.9	13.0	10.0
694	WWA2		MID-FLOOD	27-Oct-07			25.2	5.72	5.65		85.2	85.3	8.3	23.6	5.2	5.1		6.5	
695	WWA2		MID-FLOOD	27-Oct-07	9:13	6.50	25.1	5.81	5.77	5.74	88.2	87.1	8.3	23.2	4.2	4.2		17.0	1
695	WWA2		MID-FLOOD	27-Oct-07	.	ŀ	25.1	5.81	5.96	5.89	88.6	87.9	8.3	23.2	5.0	4.8	4.7	9.0	10.8
697	WWA3		MID-FLOOD	27-Oct-07		- i	25.2	6.03	5.83		90,2	89.7	8.3	23.9	5.2	5.1		7.5	
698	WWA3		MID-FLOOD	27-Oct-07	9:00	6.30	25.2	5,92	5.87	5.91	88.3	87.6	8,3	23.8	5.2	5,2		11.0	
699	WWA3		MID-FLOOD	27-Oct-07		İ	25.1	5.64	5.57	5.61	85.4	84,2	8.3	23.6	5.3	5.4	5.2	11.5	10.0
700	WRA1		MID-FLOOD	27-Oct-07			25.2	5.61	5.53		79.2	78,1	8.3	23.1	5.1	5.1		7.5	
701	WRA1	M	MID-FLOOD	27-Oct-07	9:45	34.50	25.1	5,74	5.69	5.64	77.5	78.1	8.3	23,5	5.0	4.9		8.0	
702	WRA1		MID-FLOOD	27-Oct-07		1	25.0	5.82	5.79	5,81	78.9	77.5	8.3	23.7	4.2	4.3	4.8	9.0	8.2
703	WRA2	s	MID-FLOOD	27-Oct-07			25.2	5.83	5.81		78.4	77.1	8.3	23.2	5.0	4.8		9.0	
704	WRA2		MID-FLOOD	27-Oct-07	9:58	35.90	25.0	5.75	5.6B	5.77	77.9	75.5	8.3	23.1	4.5	4.6		11.0	ı
705	WRA2	В	MID-FLOOD	27-Oct-07	· · ·]		24.9	5.96	5.88	5.92	79.9	77.8	8.3	23.2	4.3	4.3	4.6	10.5	10.2

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

	1							1	T	f	00,%	00,%				1	NTυ,		SS,
Lab						Water	Тетр.	DO, mg/L		İ	saturation				Turbidity,	Turbidity,	Averaged	Suspended	Averaged
ID.	Location	Position	Tide	Sampling Date	Time	depth, m	°C	(1)	(2)	DO, Average value		1,	pH, Unit	Salinity, ppl	NTU (1)	NTU (2)	Value	Solid, mg/L	Value
706	WRA3	S	MID-FLOOD	27-Oct-07			25.2	5.75	5.69		79.2	78.1	8.3	23.2	5,0	4.9		10.0	
707	WRA3	М	MID-FLOOD	27-Oct-07	10:13	34.70	25.1	5.82	5.81	5.77	80.3	79.5	8.3	23.4	5.0	5.2		11.5	
708	WRA3	В	MID-FLOOD	27-Oct-07			25.0	5.68	5.61	5.65	78.5	75.5	8.3	23.3	5.3	5.2	5.1	11.5	11.0
	WWFCZ1	S	MID-FLOOD	27-Oct-07			25.3	5.82	5.75		88.7	87.6	8,3	23,3	4.2	4.2		10.5	
	WWFCZ1	М	MiD-FLOOD	27-Oct-07	11:00	39.20	25.1	5.94	5.87	5.85	89,5	88.7	8.3	23.1	4.0	4.2		8.5	
	WWFCZ1	В	MID-FLOOD	27-Oct-07			24.9	5.95	5.82	5.89	88.6	87.5	8.3	23.2	5.1 5.2	5.1	4.5	13.0 8.0	10.7
	WWFCZ2	S	MID-FLOOD	27-Oct-07	10:45	41.10	25.2 25.1	5.99 5.71	5.83 5.65		87.3 87.9	86.5 86.8	8.3 8.3	23.4 23.5	5.2	5.2 5.1		10.0	
	WWFCZZ WWFCZZ	M B	MID-FLOOD	27-Oct-07 27-Oct-07	10.45	41.10	25.0	5.83	5.81	5.80 5.82	88.5	87.2	8.3	23.5	5.4 5.4	5.4	5.2	6.0	8,0
	WFCZR1	- <u>s</u>	MID-FLOOD	27-Oct-07			25.0	5.03	5.87	3.52	89.4	87.6	8.3	23.4	4.3	4.2	J.Z	13.0	0.0
	WFCZR1		MID-FLOOD	27-Oct-07	11:13	38.70	25.0	5.96	5.86	5,91	88,3	87.5	8.3	23.4	4.2	4.1		12.5	
	WFCZR1	B B	MID-FLOOD	27-Oct-07	,	40.70	24.9	5,75	5.63	5.69	86,9	85.4	8.3	23.2	4.1	4.2	4.2	12.5	12.7
	WFCZR2		MID-FLOOD	27-Oct-07			25.2	5,96	5.93	3,05	89.2	88.3	8.3	23.1	5.0	5.1	7.5	9.0	
	WFCZR2	м	MID-FLOOD	27-Oct-07	10:30	41.60	25.1	5.87	5.76	5.88	87.2	87.1	8.3	23.1	5.3	5.3		12.0	
	WFCZR2	В.	MID-FLOOD	27-Oct-07			24.9	5.75	5.77	5.76	86.9	86.3	8.3	23.2	5.3	5.3	5.2	9.0	10.0
721	WWA1	S	MID-E8B	30-Oct-07			25.2	5.86	5.81		86.3	85,8	8.2	25.1	6.2	6.1	~	14.5	
722	WWA1	M	MID-EBB	30-Oct-07	15:28	6.00	25.0	5.79	5.73	5.80	89.1	88.4	8.2	24.8	5.7	5.9		19.5	
723	WWA1	В	MID-EBB	30-Oct-07			25.0	5.67	5.59	5.63	87.3	86.2	8.2	25.D	5.9	5.7	5.9	20.0	18.0
724	WWA2	s	MID-EBB	30-Oct-07			25.1	6.01	5.94		8B.1	87.4	8.2	24.9	5.2	5.1		16.0	
725	WWA2	М	MID-EBB	30-Oct-07	15:14	7.00	25.0	5.63	5.57	5.79	87.1	85.3	8.2	24.9	5,5	5.6		15.5	
726	WWA2	В	MID-EBB	30-Oct-07			24.9	5,82	5.74	5.78	85,2	84.7	8.2	25.1	5.3	5.4	5.3	16.5	16.0
727	WWA3	S	MID-EBB	30-Oct-07			25.2	5.59	5.53		87.3	86.4	8.2	25.3	5.7	5.6		16.5	
728	WWA3	М	MID-EBB	30-Oct-07	15:00	6.00	25.1	5.71	5.63	5.62	87.2	86.6	8.2	24.9	5.9	6.0		14.5	
729	WWA3	В	MID-EBB	30-Oct-07			25,1	5.88	5.81	5.85	85.4	84.7	8.2	25.1	5.7	5.6	5.8	13.5	14.8
730	WRA1	5	MID-EBB	30-Oct-07			25.6	5.01	5.98		8.09	89.7	8.2	25.1	6.5	6.5		11.0	
731	WRA1	M	MID-EBB	30-Oct-07	15:42	32.00	25.3	5.67	5.58	5.81	87.4	86,3	8.2	24.9 24.6	6.7 6.3	6.6	6.5	13.0	12 5
732	WRA1	В	MID-EBB MID-EBB	30-Oct-07			25,2	5.74	5.63 6.03	5.69	88.1 86.4	87.2 85.8	8.2	24.6	5.8	5.7	0.5	18.5	123
733	WRA2 WRA2	S M	MID-EBB	30-Oct-07 30-Oct-07	15:55	34.00	25.7 25.4	6.12 5.97	5.84	5.99	87.3	85.6 86.6	8.2	24.9	5.7	5.8		18.5	
735	WRA2	- 8	MID-EBB	30-Oct-07	15.55	34,55	25.4	5.66	5.59	5.63	89.1	88.3	8.2	24.4	6.2	6.4	5.9	11.0	16.0
736	WRA3	s	MID-EBB	30-Oct-07			25.6	5.74	5.62	3.03	90.1	89.2	8.2	25.1	5.8	5.7	3.0	20.0	-10.5
737	WRA3	M	MID-E8B	30-Oct-07	16:10	33.00	25.3	5.83	5.77	5,74	87.4	86.2	8.2	24.7	B.1	6 D		16.5	
738	WRA3	В	MID-E8B	30-Oct-07		77	25.3	5.73	5.66	5.70	89.4	88.9	8.2	24.4	5.7	5.6	5.8	13.5	16.7
	WWFCZ1	s	MID-EBB	30-Oct-07			25.3	5.94	5.87		92.1	91.3	8,2	25.3	5.2	6.1		20.0	
740	WWFCZ1	M	MID-EBB	30-Oct-07	16:55	36,00	24.9	6.01	5.93	5.94	90.8	89.7	8.2	24.9	5.9	5.8		13.0	
741	WWFCZ1	В	MID-EBB	30-Oct-07		ľ	24.8	5.74	5.66	5,70	87.4	86.3	8,2	25.5	5.1	6.1	6.1	16.5	16.5
742	WWFCZ2	S	MID-EBB	30-Oct-07		i	25.2	5.82	5.73		91.1	90.7	8.2	24.9	5.5	5.6		14.5	
	WWFCZ2	М	MID-EBB	30-Oct-07	16:42	38.00	25.0	5.92	5.84	5.83	89.2	88.4	5.2	24.7	5.9	5.8		18.0	
	WWFCZ2	В	MID-EBB	30-Oct-07			24.8	6.13	6.04	6.09	87.3	86.6	8,2	24.7	5.9	5.9	5.8	20,5	17.7
	WFCZR1	s	MID-EB8	30-Oct-07	T		25.3	5.72	5.66		87.1	86.3	8.2	25.1	6.0	5.9		15.5	
	WFCZR1	М	MID-EBB	30-Oct-07	17:10	36,00	24.9	5,91	5,87	5.79	90.1	89.7	8.2	25.2	6.1	6.2		16.0	40.0
	WFCZR1	В	MID-E8B	30-Oct-07			24.7	6.12	6.03	80.8	87.4	86.3	8.2	25.3	6.1	6.2	5.1	16.5	16.3
	WFCZR2	S	MID-EBB	30-Oct-07	16:27	40.00	25.0	5.74 5.56	5.67 5.48		88.1 92.8	87.7 91.7	8.2 8.2	25.2 24.9	5.7 5.9	5,6 5.8		16.5 13.5	
749	WFCZR2	М	MID-EBB	30-Oct-07	10:27	42.00	24.6	5.55	5.48	5.61	92.8	91./	8,2	24.9	5.9	9.6		13.5	

G' env' project 24583 env | data marine impact Data Evaluation monthly

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

					,					,	DO. %	T DO. %	,	······			NTU.		SS.
Lab					1	Water	Тетр.	DO 007	DO, mg/L	Ì	saturation	saturation			Turbidity.	Turbidity.	Averaged	Suspended	Ayeraged
ID	Location	Position	Tide	Sampling Date	Time	depth, m	°C	(1)	(2)	DO, Average value		(2)	pH. Unit	Salinity, ppt	NTU (1)	NTU (2)	Value	Solid, mg/L	Value
	WFCZR2	В	MID-EBB	30-Oct-07	1	10,5.1.,1.1.	24.5	5.71	5.53	5.67	93.2	92.7	8.2	24.9	5.5	5.6	5.7	18.5	16.2
751	WWA1	s	MID-FLOOD	30-Oct-07			24.4	5.96	5.87	0.01	87.2	86.3	8.2	24.9	6.0	5.9		18.5	
752	WWA1	M	MID-FLOOD	30-Oct-07	10:57	7.00	24.3	5.85	5.77	5.86	89.1	88.7	8.2	25.3	5.9	6.0		19,5	
753	WWA1	В.	MID-FLOOD	30-Oct-07	1		24.3	5.82	5.73	5.78	91.1	90.6	8.2	25.2	6.1	6.0	6.0	19.0	19.0
754	WWA2	8	MID-FLOOD	30-Oct-07	 		24.5	5.74	5.66		87.4	86.3	8.2	25.4	5,9	5.7		15.0	
755	WWA2	М	MID-FLOOD	30-Oct-07	10:43	6.00	24.4	5.58	5,47	5.61	89.2	88.4	8.2	25.2	5.9	6.0		17.0	
756	WWA2	В	MID-FLOOD	30-Oct-07	i		24.4	5.74	5,65	5.70	87.9	86.8	8.2	25,2	5.9	5.8	5.9	18.5	16.8
757	WWA3	\$	MID-FLOOD	30-Oct-97			24.3	5,81	5.73		87.4	86.3	8.2	25.1	5.9	5.7		14.5	
758	WWA3	М	MID-FLOOD	30-Oct-07	10:30	6.00	24.3	5.79	5.68	5.75	88.1	86.9	8.2	24.9	6.0	5.8		18.5	
759	WWA3	В	MID-FLOOD	30-Oct-07	1		24.3	5.58	5.44	5.51	87.4	86.6	8.2	25.1	5.0	4.9	5.6	14.5	15.8
760	WRA1	S	MID-FLOOD	30+Oct-07			24.2	5.74	5.66	İ	85.8	84.3	8.2	25.5	6.1	6.0		15.0	
761	WRA1	М	MID-FLOOD	30-Oct-07	11:10	34.00	24.0	5.69	5.63	5.68	86.6	85.8	8.2	25.3	6.2	6.1		15.5	
762	WRA1	В	MID-FLOOD	30-Oct-07	1		24.0	5.74	5.53	5.69	87.2	86.4	8.2	25.3	5.9	5.7	6.0	15.0	15.2
763	WRA2	S	MID-FLOOD	30-Oct-07			24.1	5.81	5.77		87.1	86.5	8.2	25.4	57	5.9		13.0	
764	WRA2	M	MID-FLOOD	30-Oct-07	11:27	33.00	23.9	5.84	5.73	5.79	88.4	87.3	8.2	25,7	5.6	5.5		15.5	
765	WRA2	В	MID-FLOOD	30-Oct-07]		23.9	5.69	5.51	5.65	86.4	85.3	8.2	25.4	6.2	6.1	5.9	16.0	14.8
766	WRA3	\$	MID-FLOOD	30-Oct-07	i		24.2	5.84	5.77		87.2	86.3	8.2	25,3	5.5	5,6		17.0	
767	WRA3	M	MID-FLOOD	30-Oct-07	11:39	31.00	24,1	5.49	5.43	5.63	89.1	88.2	8.2	25.8	5.9	5.8		190	
768	WRA3	8	MID-FLOOD	30-Oct-07	}		24.1	5.62	5.55	5.59	86.4	85.9	8.2	25.7	5.5	5.4	5.6	14.5	16.8
	WWFCZ1	S	MID-FLOOD	30-Oct-07			25.0	6.12	6.03		86.4	85.8	8.2	25.3	5.9	5.9		23.0	
770	WWFCZ1	Σ	MID-FLOOD	30-Oct-07	12:22	37.00	24.9	5.94	5.83	5.98	89.3	88.4	8.2	25.4	6.0	6.1		19.0	
	WWFCZ1	В	MID-FLOOD	30-Oct-07			24.8	5.78	5.62	5.70	88.7	87.4	8.2	25.2	5.7	5,6	5.9	19.5	20.5
	WWFCZ2	S	MID-FLOOD	30-Oct-07			24.9	5.78	5,63		86.3	85.8	8.2	25.8	5.8	5.7		19.0	
	WWFCZ2	М	MID-FLOOD	30-Oct-07	12:08	38,00	24.7	5.92	5.87	5.80	89.2	88.3	8.2	25.6	4.9	5.1		22.5	
	WWFCZ2		MID-FLOOD	30-Oct-07			24.7	5.84	5.73	5.79	87.4	86.5	8.2	25.5	5.5	5.5	5.4	20.5	20.7
	WFCZR1		MID-FLOOD	30-Oct-07			24.8	5.98	5.87		88.1	86.9	8.2	25.6	5.8	5.7		17.0	
	WFCZR1		MID-FLOOD	30-Oct-07	12:45	37.00	24.8	5.83	5.74	5.86	87.4	86.3	8.2	25.4	5.7	5.6		16.0	
	WFCZR1		MID-FLOOD	30-Oct-07			24.7	5.82	5.73	5.78	85.4	84.7	8,2	24.9	5.5	5.6	5.7	12.5	15.2
	WFCZR2		MID-FLOOD	30-Oct-07			24.9	5.75	5.61		86.1	85.7	8.2	25.3	5.7	5.8		15.0	
	WFCZR2		MID-FLOOD	30-Oct-07	12:54	43.00	24.8	5.93	5.88	5.79	88.1	87.3	8.2	25.1	5,9	5.8		19.0	
780	WFCZR2	В	MID-FLOOD	30-Oct-07			24.8	5.74	5.63	5.69	85.4	85.7	8.2	25.1	5.6	5.6	5.7	17.5	17.2

Appendix E
Investigation summary
on marine water quality
exceedances

	Remark		Refer to ET's field record & CT's daily records.	Ditto	Ditto	Ditto
	Closing Date		15-Oct-07	Ditto	Ditto	Ditto
	CT's action		CT advised that the removal of silt curtain has been completed on 12 October 2007	Ditto	Ditto	Ditto
	ET's investigation		Silt curtain at Seawall A near CT advised that the removal Grand Bay Villa was being of silt curtain has been removed during marine water completed on 12 October quality monitoring on 12 2007 October 2007. The exceedances were likely due to the construction works of the Project.	Ditto	Ditto	Ditto
		Control Level at	27.2	18.8	20.0	
	SS (mg/L)	Control	17.3	14.7	7.5	
		Baseline	13.0	13.0	13.0	
g Data		Level at	7.9	7.5		11.4
dance of Monitoring Data	Tby (NTU)	Baseline Control	7.6	6.5		6.6
Exceedance o		Baseline	9.9	6.5		9:9
_		Level at			-	-
	DO (mg/L)	Control	,			
	oa	Baseline				-
		Position				
	Location		WWA1	WWA2	WWA3	WWA3
	Tide		Mid-ebb	Mid-ebb	Mid-ebb	Mid-flood
	Date		12-Oct-07 Mid-ebb	12-Oct-07 Mid-ebb	12-Oct-07	12-Oct-07 Mid-flood WWA3

			ഗ ഷ														
Remark			Refer to ETs field record & CTs daily records.	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto
	ıte		9-Nov-07	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto
	CT's action		No action	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto
	ET's investigation		Neither muddy water nor abnormal construction activities was observed along Seawall A quality monitoring. High SS levels were also recorded at respective control station except on 22 October 2007. ET field staff observed an excavator was working on excavator was working on an and B. Hence, the exceedances recorded from 13 observed along the Seawall A and B. Hence, the exceedances recorded from 13 october 2007 to 30 October 2007 were likely due to natural 2007 were likely due to natural yor an unidentified source, and not related to the construction autivities of the Project.	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto	Ditto
Exceedance o	SS (mg/L)	Level at Impact Station	15.7	20.7	14.5	14.8	16.7	13.7	16.8	17.2	22.2	18.0	16.5	17.7	19.0	20.5	20.7
		Control	14.8	19.0	14.2	12.0	15.7	12.3	5.2	16.5	12.8	12.5	16.3	16.2	15.2	15.2	17.2
		Baseline Check	13.0	17.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	17.0	17.0	17.0
	Tby (NTU)	Level at															
		Control															
		Baseline															
	DO (mg/L)	Level at Impact															
		Control															
	00	Baseline							,	,		1					
	_	Position		-	1		-			,			,		,		-
Location			WWA3	WWFCZ2			WWFCZ2	WWA3	WWA1	WWA1	WWA2	WWA1	WWFCZ1	WWFCZ2	WWA1	WWFCZ	WWFCZ
	Tide		Mid-ebb	Mid-flood		Mid-ebb	Mid-ebb	Mid-ebb	Mid-ebb	Mid-ebb	Mid-ebb	Mid-ebb	Mid-ebb	Mid-ebb	Mid-flood	Mid-flood WWFCZ1	Mid-flood WWFCZ2
Date			13-Oct-07	13-Oct-07	16-Oct-07	16-Oct-07	16-Oct-07	18-Oct-07	23-Oct-07	25-Oct-07	27-Oct-07	30-Oct-07	30-Oct-07	30-Oct-07	30-Oct-07	30-Oct-07	30-Oct-07

Appendix F
Silt curtain daily
inpsection record



Project : Castle Peak Road Improvement

Seawall B Silt Curtain Daily Inspection Record

Date	Condition	Action				
01/10/2007 (Mon)	Public Holiday	Public Holiday				
02/10/2007 (Tue)	No muddy water observed.	N/A				
03/10/2007 (Wed)	No muddy water observed.	N/A				
04/10/2007 (Thu)	No muddy water observed.	N/A				
05/10/2007 (Fri)	Little muddy water was observed.	Stop the work immediately, the subcontractor repair the silt curtain in the afternoon.				
06/10/2007 (Sat)	No muddy water observed.	N/A				
07/10/2007 (SUN)						

Inspected by Chun Wo	Gary Lam	Inspected by_ MHJV	Some som Do wis
Date:	15/10/07	Date:	14/10/07

Project : Castle Peak Road Improvement

Seawall B Silt Curtain Daily Inspection Record

Date	Condition	Action			
08/10/2007 (Mon)	No muddy water observed.	N/A			
09/10/2007 (Tue)	No muddy water observed.	N/A			
10/10/2007 (Wed)	No muddy water observed.	N/A			
11/10/2007 (Thu)	No muddy water observed.	N/A			
12/10/2007 (Fri)	No muddy water observed. Site curtain at Seawall A has been removed.	N/A			
13/10/2007 (Sat)	No muddy water observed. All the marine works has been completed on 12 Oct 2007. No inspection is required.	N/A			
14/10/2007 (SUN)					

Inspected by Chun Wo	Gary Lam	Inspected by «	Jano sun	Docum
Date:	T/10/07	Date:	(J/10/07	