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) February 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) February 2007

March 2007

This report takes into account the particular instructions and requirements of our client. It is not intended for and should not be relied upon by any third party and no responsibility is undertaken to any third party

Maunsell Environmental Management Consultants Ltd

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By Fax (2492 6201) and Post

Meinhardt Halcrow JV 4/F., Wah Ming Centre, 421 Queen's Road West, Hong Kong

Attn: Mr. Michael S Harfoot

14 March 2007

Dear Sir,

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

We refer to the Monthly EM&A Report for Reclamation Works (EP No. EP-219/2005) - February 2007 received via emails on 13 March 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 14 March 2007, the Monthly EM&A Report for Reclamation Works (EP No. EP-219/2005) - February 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 Maunsell Environmental Management Consultants Ltd

Y T Tang

Independent Environmental Checker

CC

VLHM Arup

Mr. Simon Illingworth

Mr. Sam Tsoi / Mr. Samuel Chan

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Page 1 of 1



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Document title		Monthly Envi Works (EP N	n File reference							
Document ref										
Revision Date		Filename	Filename 27-Mar-07 (Reclamation).doc							
First Issue [3/03/07		Description	Submit to IEC for cor	Submit to IEC for comments						
			Prepared by	Checked by	Approved by					
		Name	Raymond Liu	Samuel Chan	Sam Tsoi					
		Signature								
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Contents

Exe	cutive Sum	nmary	Page i	
1	Introdu	•	1	
	1.1	Project Background	1	
	1.2	Project Organisation	2	
	1.3	Impact EM&A Requirements	4	
	1.4	Purpose of the Report	4	
2	Scope	of Construction Works	4	
	2.1	Construction Programme	4	
	2.2	Construction Activities of the Month	4	
3	Summ	ary of EM&A Requirements	4	
	3.1	Construction Noise	4	
	3.2	Marine Water Quality	6	
	3.3	Performance Limits and Event and Action Plan	7	
	3.4	Site Inspection and Environmental Complaint Handling	13	
4	Noise	Monitoring	16	
	4.1	Monitoring Equipment	16	
	4.2	Methodology	16	
	4.3	Results and Observations	16	
5	Marine	Water Quality Monitoring	17	
	5.1	Marine Water Quality Monitoring Equipment	17	
	5.2	Methodology	17	
	5.3	Results and Observations	18	
6		spection, Waste Disposal, environmental complaints, environmental licenses arompliance records	nd 24	
	6.1	Site Audit Findings	24	
	6.2	Waste Disposal	25	
	6.3	Complaint Record	25	
	6.4	Exceedance	26	
	6.5	Notification of Summons and Successful Prosecution	26	
	6.6	Environmental Licenses	26	
7	Conclu	usions	27	
8	References			

Tables

Γable 3-1:	Construction noise monitoring parameters and frequency
Гable 3-2:	Construction noise monitoring locations
Гable 3-3:	Marine water quality monitoring locations
Гable 3-4:	Action and Limit Levels of construction noise
Гable 3-5:	Event and Action Plan for construction noise
Гable 3-6:	Action and Limit Levels of marine water quality established in Baseline Monitoring
	Report #
Гable 3-7:	Marine water quality data obtained in the baseline check on 27 February 2006
Гable 3-8:	Event-Action plan for marine water quality
Гable 5-1:	Equipment list for construction noise monitoring
Гable 5-1:	Marine water quality monitoring equipment
Table 6-1:	Findings of weekly environmental site audit in February 2007
Гable 6-2:	Waste disposal quantity in February 2007
Гable 6-3:	Summary of exceedances of marine water quality monitoring not related to construction
	works of the Project in February 2007
Гable 6-4:	Summary of valid environmental licences in February 2007

Figures

Figure 1-1:	Site location plan
Figure 1-2:	Project organisation chart
Figure 3-1:	Noise monitoring station
Figure 3-2:	Marine water quality monitoring locations
Figure 3-3:	Complaint procedure
Figure 5-1:	DO levels (surface and middle level) at mid-ebb tide in February 2007
Figure 5-2:	DO levels (bottom level) at mid-ebb tide in February 2007
Figure 5-3:	DO levels (surface and middle level) at mid-flood tide in February 2007
Figure 5-4:	DO levels (bottom level) at mid-flood tide in February 2007
Figure 5-5:	Turbidity levels at mid-ebb tide in February 2007
Figure 5-6:	Turbidity levels at mid-flood tide in February 2007
Figure 5-7:	SS levels at mid-ebb tide in February 2007
Figure 5-8:	SS levels at mid-flood tide in February 2007

Appendices

Appendix A	Construction programme
Appendix B	Monitoring schedule for February 2007 and March 2007
Appendix C	Calibration certificates of marine monitoring equipment
Appendix D	Marine water quality monitoring results
Appendix E	Investigation summary on marine water quality exceedances
Appendix F	Records on disposal of C&D material by barge and CEDD's approval letter

Executive Summary

This is the twelfth monthly environmental monitoring and audit (EM&A) report presenting the progress of environmental monitoring and audit works for the reporting period between 01 and 28 February 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 5.45 mg/L were recorded at WWA1 on 28 February 2007 and the lowest DO level for bottom position of 5.37 mg/L were recorded at WWA3 on 23 February 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 5.2 Nephelometric Turbidity Unit (NTU) were recorded at WWFCZ2 on 23 February 2007. There was no exceedance of Tby 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 SS level of 25.8 mg/L were recorded at WWA2 on 05 February 2007. There were 5 exceedances of SS Baseline Check Criteria on 05, 07 and 09 February 2007 and 1 exceedance of SS Limit Level on 05 February 2007 when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

The exceedances of SS levels were likely attributed to an unidentified source.

Summary of Mid-Flood Tide

The lowest DO level for surface & middle position of 5.43 mg/L were recorded at WWFCZ2 on 12 February 2007 and the lowest level for bottom position of 5.32 mg/L were recorded at WWFCZ2 on 16 February 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 4.3 NTU were recorded at WWFCZ1 on 05 February 2007. There was no exceedance of Tby 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 SS level of 20.0 mg/L were recorded at WWFCZ1 on 05 February 2007. There were 2 exceedances SS Baseline Check Criteria on 05 and 16 February 2007 when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

The exceedances of SS levels were likely attributed to an unidentified source.

Environmental Auditing

A total of 3 environmental site audits were conducted in February 2007. Non-conformance to the environmental requirements was not identified during the reporting period. CT was recommended to improve in the following areas:

Air Quality: Frequent water spraying over unpaved area and during rock breaking works; keep good maintenance to equipment emitted black smoke;

Water Quality: Repairing of broken silt curtain; and

Waste Management: Frequent clearing of construction waste and general refuse

Waste Disposal

A total of 31 tonnes of Construction & Demolition (C&D) waste and 1290 tonnes of C&D materials (282 tonnes transported by trucks and 1008 tonnes transported by barge) were disposed of at WENT Landfill and Public Filling Reception Facility at Tuen Mun Area 38 during reporting period. No chemical waste was disposed of during the reporting period.

Complaint Records

No environmental complaint was received during the reporting period.

Exceedance

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

Investigation has been conducted for the exceedances. High SS levels were recorded at respective control stations. The site was closed from 15 to 25 February 2007 during Chinese New Year. It is likely that the exceedances recorded during reporting period were attributed to an unidentified source.

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).

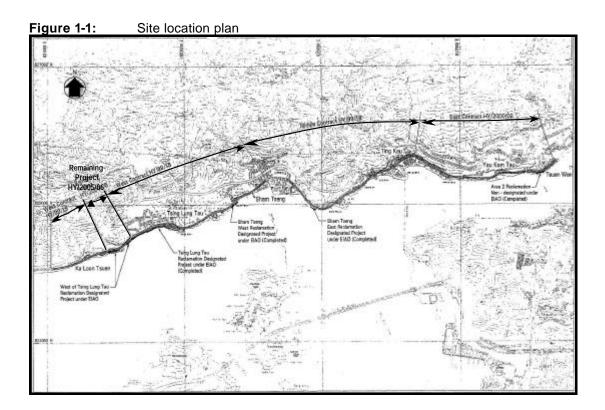
Prior to inviting tenders for Contract No. HY/99/18, a section of the proposed works, between Ch.1+800 and Ch.2+240, west of Tsing Lung Tau, was excised from the Project and entrusted to the Route 10 – North Lantau to Yuen Long Highway project. This 440m long section of CPR was located under the proposed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

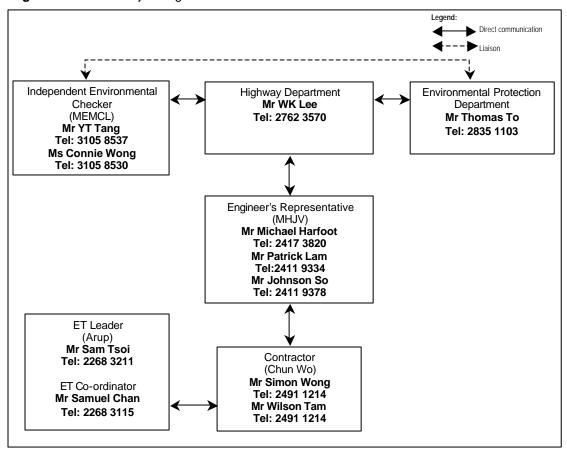
- The area of reclamation to the east of Grand Bay Villa is about 0.12 ha. The length of
 this part of the reclamation, measured parallel to the road, is about 107 m, and the
 maximum width, measured from the existing High Water Mark (HWM) to the proposed
 toe of the scour apron is about 16 m, of which 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 Maunsell Environmental Management Consultants Ltd (MEMCL) and the ET leader is Ove Arup & Partners Hong Kong Ltd (Arup).

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

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

The duties of IEC include the followings:

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

1.3 Impact EM&A Requirements

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

1.4 Purpose of the Report

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

This is the twelfth 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 February 2007 to 28 February 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 site was closed from 15 to 25 February 2007 during Chinese New Year. The major construction activities carried out by CT in February 2007 included:

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

3 Summary of EM&A Requirements

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

The monitoring schedule for February 2007 and the tentative schedule for March 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.

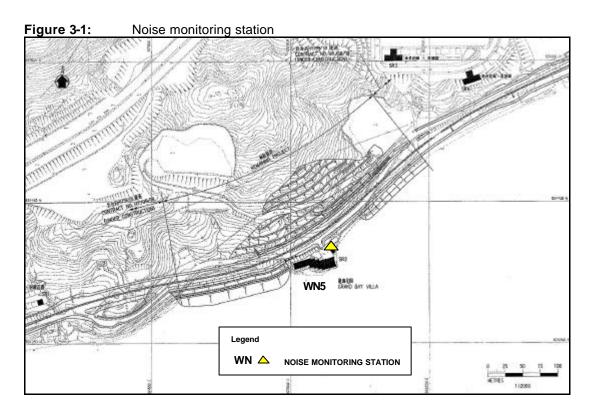
3.1.3 Monitoring Location

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 faç ade 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

Marine Water Quality	Marine Water Quality Monitoring Location No.			
Marine Water Quanty	Eastings	Northings		
West of Grand Bay Villa	WWA1 (Impact Location)	821981	824282	
West of Grand Bay Villa	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	
East of Grand Day villa	WRA3 (Control Location)	822625	824222	
	WWFCZ1 (Impact Location)	823500	823870	
Ma Wan Fish Culture Zone	WWFCZ2(Impact Location)	822943	823983	
Wid Wall Fish Outland Zone	WFCZR1 (Control Location)	824024	824333	
	WFCZR2 (Control Location)	822677	823547	

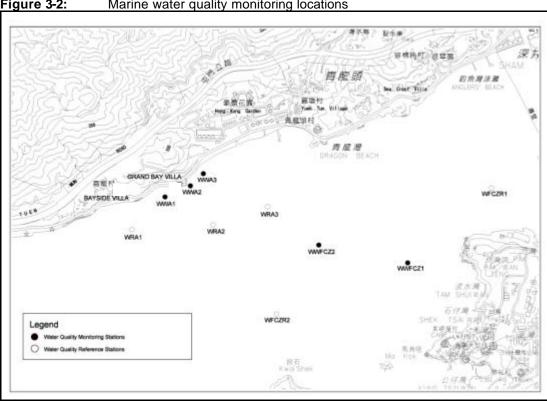


Figure 3-2: Marine water quality monitoring locations

Performance Limits and Event and Action Plan 3.3

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	P3. Event and Acti	on Plan for constructi	tion	
Event			- · ·	0.7
	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 	 Discuss amongst the ER, the ET Leader and the CT on the potential remedial actions. Review the CT's remedial actions whenever necessary to assure their effectiveness and advise the 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. 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. 	 Take immediate action to avoid further exceedance. Submit proposals for remedial actions to IEC within 3 working days of notification. Implement the agreed proposals. Resubmit proposals if problem still not under control. 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 37). 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 #

Table 3				y		Monitoring	locations				
Parameters		WWA1		WWA2		WWA3		WWFCZ1		WWFCZ2	
		Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Le vel	Action Level	Limit Level	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
-	Гby (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-1	flood					
DO (m m/l)	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	5.9	6.5
(SS (mg/L)	24.1	24.3	23.5	23.6	22.3	23.5	24.4	25.8	27.4	28.0

Notes:

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

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

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

Parameters _		Monitoring locations					
		WWA1	WWA2	WWA3	WWFCZ1	WWFCZ2	
			Mid-	ebb			
DO	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 (mg/L)	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 quality					
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		J.				
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 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.		
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

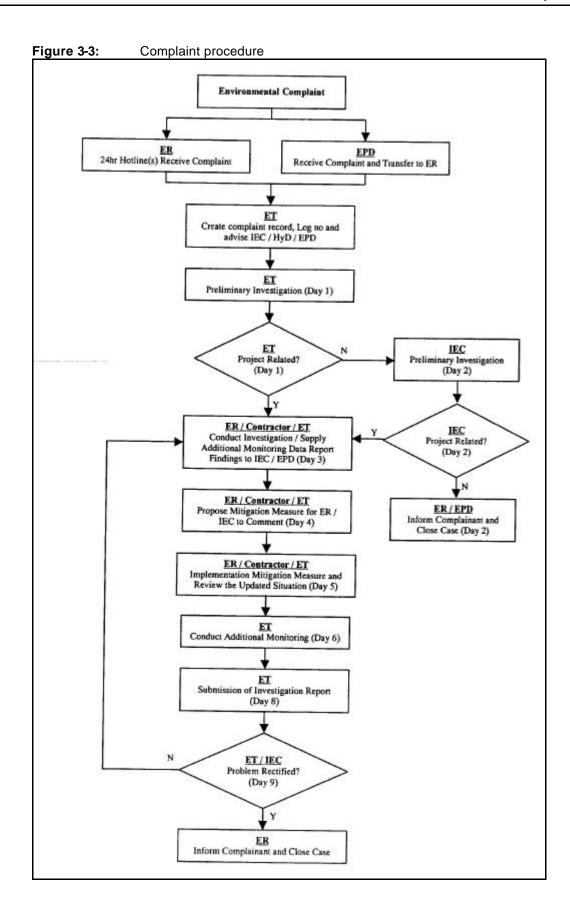
A 24-hour complaint hotline at 6277 7465 has been established for the Project. In accordance with the EM&A Manual, environmental complaints will be referred to the ET for initiation of the complaint investigation procedures. The ET will undertake the following procedures upon receipt of complaints:

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

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

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



4 Noise Monitoring

4.1 Monitoring Equipment

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

Table 5-1: Equipment list for construction noise monitoring

Equipment	Manufacturer & Model No.	Precision Grade	Qty.
Integrating sound level meter	Rion NA-27	IEC 651 Type 1	1
Windshield	Brüel & Kjær UA0237	IEC 804 Type 1	1
Acoustical calibrator	Brüel & Kjær 4226	120 004 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 faç ade.
- 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}), L₁₀ and L₉₀ were recorded on the field record sheet.
- The sound level meter was re-calibrated by the acoustical calibrator to confirm that there was no significant drift of reading.

4.2.3 Equipment Maintenance and Calibration

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

4.3 Results and Observations

4.3.1 Occupancy Status of Grand Bay Villa

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

5 Marine Water Quality Monitoring

5.1 Marine Water Quality Monitoring Equipment

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

 Table 5-1:
 Marine water quality monitoring equipment

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

5.2 Methodology

5.2.1 DO, Temperature and Salinity Measuring Equipment

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

- i. The instrument was a portable, weatherproof dissolved oxygen measuring instrument complete with cable and used a DC power source. It was capable of measuring:
 - A dissolved oxygen level in the range of 0-20 mg/L and 0-200% saturation;
 - A temperature of 0-45°C; and
 - A salinity level in the range of 0-40 ppt.
- ii. It had a membrane electrode with automatic temperature compensation complete with a cable.

5.2.2 Tby Measurement Instrument

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

5.2.3 SS

The following equipment was used to monitor the SS:

- i. A water sampler comprised a transparent PVC cylinder, with a capacity of not less than 2 litres and which can be effectively sealed with latex cups at both ends. The sampler had a positive latching system to keep it open and prevent premature closure until released by a messenger when the sampler was at the selected water depth.
- ii. Water samples for SS measurement were collected in high density polythene bottles, packed in ice (cooled at 4°C without being frozen) and delivered to the laboratory as soon as possible after collection.

5.2.4 Water Depth Detector

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

5.2.5 Location of the Monitoring Site

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

5.2.6 Calibration and Accuracy of Instrumentation

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

5.3 Results and Observations

5.3.1 Weather Conditions and Other Factors

No adverse weather conditions were recorded during the reporting period.

5.3.2 Summary of Results

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

Summary of Mid-Ebb Tide

The lowest DO level for surface & middle position of 5.45 mg/L were recorded at WWA1 on 28 February 2007 and the lowest DO level for bottom position of 5.37 mg/L were recorded at WWA3 on 23 February 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 5.2 Nephelometric Turbidity Unit (NTU) were recorded at WWFCZ2 on 23 February 2007. There was no exceedance of Tby 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 SS level of 25.8 mg/L were recorded at WWA2 on 05 February 2007. There were 5 exceedances of SS Baseline Check Criteria on 05, 07 and 09 February 2007 and 1 exceedance of SS Limit Level on 05 February 2007 when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

The exceedances of SS levels were likely attributed to an unidentified source.

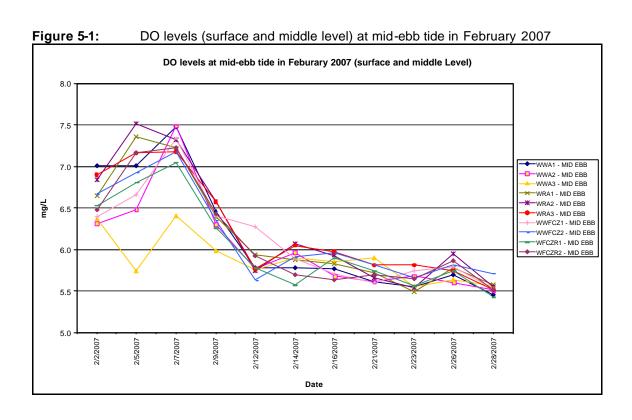
Summary of Mid-Flood Tide

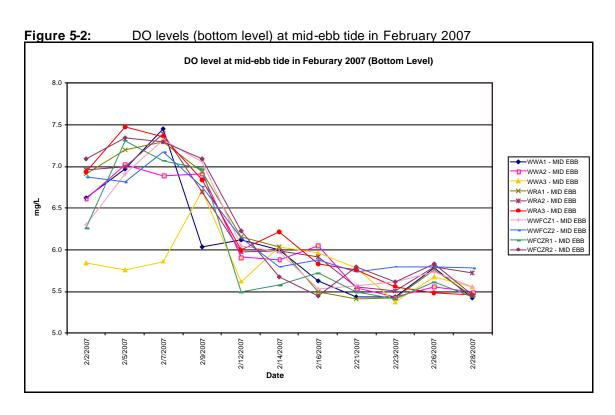
The lowest DO level for surface & middle position of 5.43 mg/L were recorded at WWFCZ2 on 12 February 2007 and the lowest level for bottom position of 5.32 mg/L were recorded at WWFCZ2 on 16 February 2007. There was no exceedance of DO level during reporting period when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

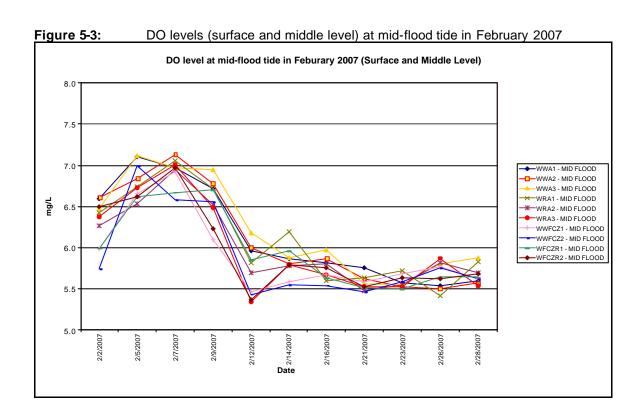
The highest depth-averaged Tby level of 4.3 NTU were recorded at WWFCZ1 on 05 February 2007. There was no exceedance of Tby level during reporting period when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

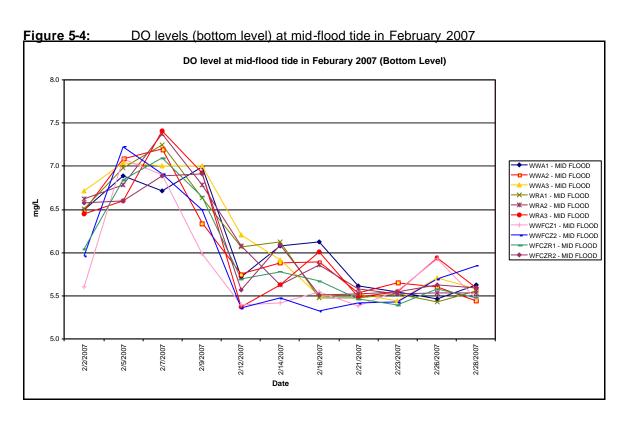
The highest SS level of 20.0 mg/L were recorded at WWFCZ1 on 05 February 2007. There were 2 exceedances SS Baseline Check Criteria on 05 and 16 February 2007 when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

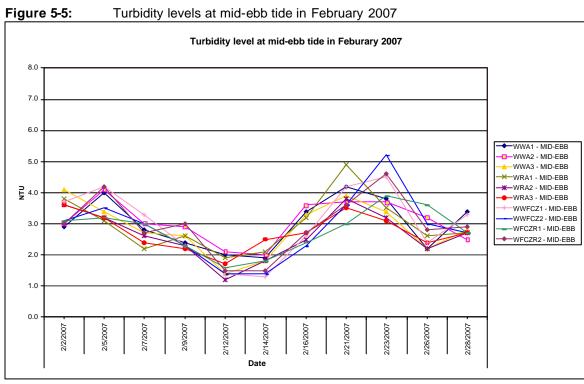
The exceedances of SS levels were likely attributed to an unidentified source.

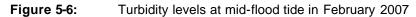


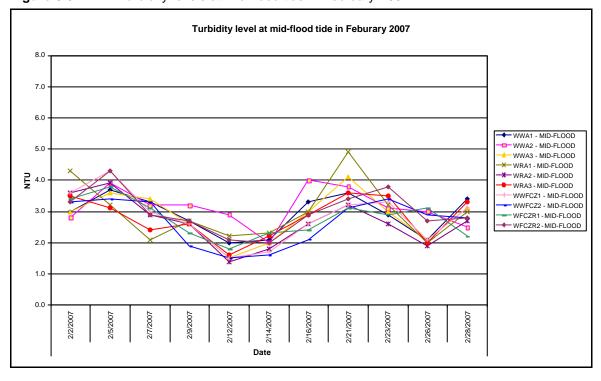








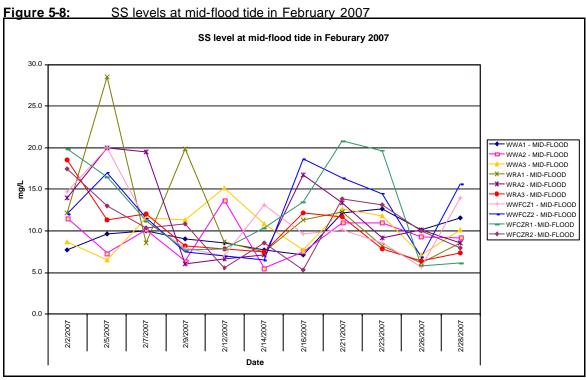




February 2007

SS level at mid-ebb tide in Feburary 2007 30.0 25.0 ◆ WWA1 - MID-EBB 20.0 WWA2 - MID-EBB WWA3 - MID-EBB -WRA1 - MID-FRR WRA2 - MID-EBB **1**5.0 WRA3 - MID-EBB WWFCZ1 - MID-EBE WWFCZ2 - MID-EBB WFCZR1 - MID-EBB 10.0 - WFCZR2 - MID-EBB 5.0 0.0 2/28/2007

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



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

6.1 Site Audit Findings

Three weekly environmental site audits were carried out on 01, 08 and 13 February 2007. The findings of the site audits are summarised in **Table 6-1**. No site inspection was conducted for the week from 19 to 25 February 2007 as the site was closed from 15 to 25 February 2007 during Chinese New Year.

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

Date of Issue Raised	Observation	Advice from EA	CT's Response	Closing Date
Follow-up of last month's site audit	1. Unpaved area near Maeda's site office was dry.	CT was reminded to provide water spraying frequently.	Agreed with the ET's advice.	08 February 2007
01 February 2007 (WTLT 054)	Rock breaking works was observed without water spraying.	CT was reminded to provide water spraying frequently.	Agreed with the ET's advice.	08 February 2007
	Construction site at seawall B was observed dry.	CT was reminded to provide water spraying frequently.	Agreed with the ET's advice.	01 March 2007
	3. General refuse and construction waste were observed outside Maeda's site office.	Contractor was reminded to clear the waste.	Agreed with the ET's advice.	13 February 2007
08 February 2007 (WTLT 055)	Construction site at seawall B was observed dry and fugitive dust was observed during unloading of dusty material from trucks.	CT was reminded to provide water spraying frequently.	Agreed with the ET's advice.	01 March 2007
	Construction waste was observed at Slope D.	CT was reminded to clear the waste.	Agreed with the ET's advice.	13 February 2007

Date of Issue Raised	Observation	Advice from EA	CT's Response	Closing Date
	3. Tree branches of Tree T113 was damaged.	CT was reminded to transplant the tree promptly.	CT advised that the root of the tree is beneath the existing CPR and the tree will be transplanted once the traffic is diverted. CT also agreed to put fence around the tree.	On-going
13 February 2007	1. Stockpile was observed at outfall EA and EB area.	CT was reminded to cover the stockpile.	Agreed with the ET's advice.	On-going
(WTLT 056)	2. Silt curtain was observed broken at Seawall B. Seepage of muddy water from the silt curtain was also observed.	CT was reminded to repair the silt curtain.	Agreed with ET's advice.	On-going
	3. Black smoke was emitted from an excavator at Seawall B.	CT was reminded to have good maintenance to all equipment.	Agreed with the ET's advice.	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**. CT transported C&D material to Public Filling Reception Facility in Tuen Mun Area 38 by barge and truck during reporting period. The record of disposal of C&D materials by barge in February 2007 is attached in **Appendix F**.

Table 6-2: Waste disposal quantity in February 2007

Type of waste or material		Disposal at	No. of loads or quantities	
C&D waste		WENT Landfill	31 tonnes	
C&D material	By barge	Public Filling Reception Facility in	1,008 tonnes	
CAD material	By truck	Tuen Mun Area 38	282 tonnes	
Chemical waste		Collected by licensed collector	0	

6.3 Complaint Record

There was no environmental complaint received in February 2007.

6.4 Exceedance

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

Investigation has been conducted for the exceedances. Abnormal construction activities contributed to deterioration of water quality were not observed by ET's feld staff during marine water quality monitoring. The de-silting facility was properly installed near bored piling site. The site was closed from 15 to 25 February 2007 during Chinese New Year. In addition, high SS levels were also recorded at respective control stations. It is likely that the exceedances recorded during reporting period were attributed to an unidentified source.

These exceedances are summarised in **Table 63**. The details of the investigation was summarised in **Appendix E**.

Table 6-3: Summary of exceedances of marine water quality monitoring not related to

construction works of the Project in February 2007

	Tide	Location	Exceedances of monitoring data					
Date			Tby (NTU)		SS (mg/L)			
			Control Station	Impact Station	Exceedance of	Control Station	Impact Station	Exceedance of
05-Feb	Mid-ebb	WWA1	-	-	-	17.3	18.3	Baseline Check
05-Feb	Mid-ebb	WWA2	-	-	-	12.7	25.8	Limit Level
05-Feb	Mid-ebb	WWA3	-	ı	-	10.2	15.2	Baseline Check
05-Feb	Mid-ebb	WWFCZ1	-	ı	-	9.5	13.3	Baseline Check
05-Feb	Mid-flood	WWFCZ1	-	-	-	16.5	20.0	Baseline Check
07-Feb	Mid-ebb	WWFCZ1	-	-	-	9.2	13.8	Baseline Check
09-Feb	Mid-ebb	WWA1	-		-	10.8	13.7	Baseline Check
16-Feb	Mid-flood	WWFCZ2	-	-	-	5.3	18.7	Baseline Check

The silt curtain was observed broken at Seawall B on 13 February 2007 and seepage of muddy water from the silt curtain was also observed. CT stopped their construction works immediately and agreed not to remove any stockpile near the seaside until the maintenance of the silt curtain is complete. In subsequent monitoring, exceedances of marine water quality were not recorded at impact monitoring stations, WWA1, WWA2 and WWA3, which are close to the construction site. However, the CT was reminded to repair the sit curtain promptly to prevent the propagation of sediment plume.

6.5 Notification of Summons and Successful Prosecution

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

6.6 Environmental Licenses

No new environmental licence was granted during reporting period. A summary of the valid environmental licences is given in **Table 6-4.** CT applied for extension for disposal of C&D

materials to PFRF at Tuen Mun Area 38 by barge and CEDD approved the application on 30 January 2007. A copy of the approval letter is attached in **Appendix F**.

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

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

7 Conclusions

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

Exceedances of marine water quality were detected from the monitoring data. After ET's investigation, all exceedances were unlikely due to the construction activities of the Project.

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

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

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

8 References

- [1] Mouchel Halcrow Joint Venture. January 2006. Supplementary Agreement No.1 Remaining Project EM&A Manual for Construction of Reclamation West of Tsing Lung
- [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
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?Primavera Systems, Inc.		CSD Works Programme Rev 1

Service Levillor Landing & Carling &	man motionard in a famoury Working Platform 31-33	Initial Setting up for Bornd Pile Construction	2.5.0 th added Pile Constitution (Course) (Set Up for Bornet Pile B01.31	Society Pile Construction (801.31)	2.5 Dia Bared Pile Construction (801.32)	#Formation of Tempoary Working Plastorm 28-30.	S.5 Dra Bored Prile Construction (Bornes) Set Up for Bored Prile (BDI.30	2.5 Dis Bared Pile Construction (B01.30)	(Set Up for Belood Pile B01.28	The Bodge File Constitution of Road Formation & Roak Cut	Medianed Pile Lagging Wall Construct (23-33)	Top Capping Own I		Construct EB Uto drainage & watermain	With the state of		Divert the original youd to the LDS Toward the original Secretified EVB Beam Barrier & Footpath	Construct WB LIG drainage & watermain	Promising Williams Laying W/B	Construct WB 80 Karb, Barrier & Surroung	paration		MINIOROPHORA ALANDER		Sewall A construction	ept. & EPD	T POCHEI(70)	The section of the se	Place nock amour in Contract (lower RD retaining wall (Bay 1-16)	(tocz)ujuyou ioogialia	Complete rock armout in Containing wall Ray 1-17)	Marketing.		RECENTABLE Cut Proposed Slope B, D & E	Management 1, 2, Stope stabilisation works	Market Wile U.G drainage & watermain	Mana Construct W/B Rd Kerb, Barrier & Surfacing	EMBERGETS In Watermain CH18CAS to Ch2030 (2005 m) W/B	EMMEDIACS(CAS) PIPE LAYING WIB	Extraction Concess Read During Laying Will Concess Read During Laying Will Concess Read During Laying Will Concess Read During Concess Read During Laying Will Concess Read During Laying Will Concess Read During Laying Will Concess Read During Laying Layi	Consider Consider Consider No. 1	Special Specia	Chun Wo Construction & Eng. Co. Ltd cacasing o Revision Construction & Eng. Co. Ltd	Contract No. HY/2005/06	Castle Peak Road Improvment, West of Tsing Lung 1au	CSD Works Programme Rev 1
1	1	异			+							+									+					Notification to Marine Dept. & EPD	American Sill in	T	98	T.	П	-										A	COSO PAR COSO	Colifed Activity		
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· Storeton	Ť	28/04/06 I	18/05/06	10/06/06	28/06/05	90/2050	20/07/06			23/08/06		29/01/07	22/03/07	17/01/07	П	15/02/07			02/04/07			03/01/07			3 27712/06		90/20/09	L	П	30/09/06			5 271206		80/60/06		03/01/07	1	28/12/06			70/10/71 70	CONTRACTOR STATE			
Start Rinish	19/04/06		15/29/24/06 18/05/06		14 13/06/06 12/06/06 1	П	90/20/90	11 22/07/06 03/08/06		16 05/08/06 23/08/06			40 30/01/07 22/03/07		П				40 09/02/07 02/04/07	21/03/07	03/04/07	19 07/12/06 02/01/07						45 04/04/06 02/06/0	П	20/26/06/06 15/09/06 20/26/08/05 30/09/06		64 28/09/06 14/12/06			40 15/08/06 30/09/08		56 25/10/06 03/01/07	1				1 17/10/77 70/10/71	COMMUNICATION OF THE PERSONS ASSESSMENT			
ription Dur Start Rinish	2 18/04/05 19/04/06 ()	1-33 3/2/04/05 22/04/05 1	29/04/06	on (B01,31) 18 20/05/06		5/29/06/05	on (B01,29) 13 06/07/06	1 22/07/06		on (B01,28) 16 05/08/06	40/11/106	22 04/01/07	Vation 40 30/01/07		030 to Ch2150 (120 m) E/B 50 10/11/06	35* 06/01/07	1 08/02/07		40 09:02/07	21/03/07	15 03/04/07	19 07/12/06	10 04/01/07	Area 3 Construction(Ch1+825 to Ch2+030)	265* 04/02/06		4 04/02/06	L	21 03/06/05	C retaining wall (Bay 1-18) 70/26/06/06	22 16/09/06	aining wall (Bay 1-17) 64 28/09/05	56 19/10/05	*80'89'08'08'			inage & watermain 56 25/10/06	18 23 1206		GAS PIPE LATING W/B	56* 04/01/07	1 17/01/07 1 1 17/01/07	21/205 Statestanding the property of the prope	SOURCE STATE OF THE STATE OF TH	designation seems	

3RW2505 Construct W/B Beam Barrier & Footpath	35 18/01/07	05/03/07	Alberta Commentation of the Comment	Control of the Contro	The state of the s	a branch bill before the property of the day of the black	
	56 18/01/07	29/03/07			Condition with Desiring and	a coolean	•
A03RW4500 Utilities Laying E/B	36* 06/03/07	20/04/07			Constitute Lador Fix	inage & watermain	
3RW2605 Construct E/B Rd Kerb, Barrler& Surfacing	18 30/03/07	SAIDAINZ			ST Guides Cayno		
	14 04/04/07	24/04/07			South of Fig.	Construct Eth Boom Bowler & County H	
3HW2510 TTM Staging Preparation	19 21/11/06	12/12/06		TIM Stanton Preparation	L.		
RWZSZO TMLG Meefing	1 13712/05	13/12/06		TIMI C Meeting			
RW2530 RMO/Roadwork Advice	10 14/12/08	28/12/06		MINIOTHOROGOMON'S Advice	work Advice		
Area 5 Construction(Ch2+150 to Ch2+300)							
Scannill B Continued on			•••				-
١		Ī					
1	204" 04/02/06			Seawall B construction,			-
	3 04/02/05	•	hatall Silt Curtain				-
	50/20/10	03/04/05	Dredging / Rockfill (700)				
2SWB1100 Place rockfill	28,04/04/06	12/05/06	Pine Place rockfill	Table Comments			
SWB1200 Place rock armour	14, 13/05/08	29/05/08	I III (Place rock armour				
251/081300 Construct RC retaining wall (Bay 6-12)	SOUTH CR	Official					
T	on complete			Construct HC retaining wall (Bay 6-12)			
Т	50,00,77	CONSINO		Builling			
WE JOUR COMPLETE TOCK BRITTON	14,2309/05	11/10/06		Complete rock armour ;			
- 1	35 25/01/07	13/03/07			Construct RC Retaining Wall (Bay 1-5)	(all (Bay 1-5)	-
	10 09/03/07	20/03/07		40	Beckfilling		
A02SWB1100 Complete Rock Amour	\$121,03/07	26/03/07			Complete Rock Amoun		
Boartworks Construction							
500DMM100 Brazana of Terrandor Diversion Calama	- dologoodor						
Т	30 Z0/0.3/06	11/07/08	Marie and American Company	sproval of Tempoary Divarsion Scheme			
8	50 12/07/08	07/08/DS	Constitution	and Temporary Diversion of Water Main			12)
2RW3000 Construct WB LVG drainage & watermain(Bay 5-12)	30 15/09/06	21/10/06		SECONSTRUCT WE US drainage &	e & watermain(Bay 6-12)		
A02RW1900 Gas Pipe Laying W/B	14 21/09/06	09/10/05		MINICIGAS Pipe Laying W/B			
ADZRWT800 Gross Road Duct Laying W/B	4*10/10/06	13/10/06		Money Don't Dure I saken Will			
402RW1600 Hilities Laving W/R	45, 56/11/06	SALCOLOG	The second secon	The second secon		December of the contract of th	
ODINAGA Concluse M.D Dd Korb Derriors Conference	44/40/00	0017100		A Swin Swin Commission	And Ans		
1	18 14/10/05	04/11/06		Construct Will Rd Karb, Barrier Surfa	Barriera Surfacing		
T	1,06/11/06	96/11/06		ADIVORTINE original road	to the W/B		_
	35,06/11/06	15/12/06		V Construct Wil	Construct Will Beam Barrier & Foothpath		
	65 27/10/06	16/01/07		Const	Construct E/B U/G drainage & watermain		
40UU26000 1m Watermain Ch2150 to Ch2300 (150 m) E/B	50 27/10/06	28/12/06		Martin Watern	##11m Watermain Ch2150 to Ch2300 (150 m) E/B	9	
7		16/12/06	**	Marked Gas Pipe Laying E/B	19 E/B		-
		22/12/06		MCross Road	MCross Road Duct Laying E/B		
NOZRW1700 Utilities Laying E/B	28* 15/12/06	20/01/07		THE PROPERTY OF THE PARTY OF TH	Willities Laving E/B		
RW3510 Construct E/B Rd Korb , Barrier& Surfacing	15 08/01/07	24/01/07		Con	Constnict E/B Rd Korb. Remark Surfacing	Display	
RW3500 Divert the original road to the E/B	125,01/07	25/01/07			Diene de la company de la comp	and a decided in the contract of the contract	and the same of th
I	15 12/01/07	20/04/07			or o		
T	10/10/51 61	20/10/10/		3,	Construct E/B Beam Barrier & Footpath	outh :	
Ī		21/12/05		TTM Staging Proparation	Proparation !		
		22/12/06		TMLG Meting	9		
٦	10 23712/06	08/01/07	•••	MERMO/Roadwork	dwork Advice		_
402HW1100 Construct WB U/G drainage & watermain(Bay 1-5)	22 13/03/07	07/04/07			ľ	Construct WB U/G drainage & werjermain(Bay 1-5)	
A02FW13300 Construct W/B Rd Kerb, Barrier& Surfacing(B1-5)		23/04/07			Construct W/B R	Constuct W/B Rd Kerb, Barrier& Surfacing/B1-51	
_		23/04/07			I I I I I I I I I I I I I I I I I I I	F 181-5	
A02FW1400 Construct W/B Beam Barrier & Footboath/B1-5)	ı	24/04/07			Section 1	Control of the Contro	
THE PART OF CONTRACTOR	ı				MOUNTAIN NAB	eam partiet & roompan(b1-5)	
COLFALL EA & EB CONSTRUCTION							
	120" 26/06/06	16/11/08		Lower section const	construction (Seaside - CPR)		
3OF1100 Construct infet & outlets	Г	15/09/06	The state of the s	Construct Inlet & outlets			
ì	58/07/09/06	16/11/06		cascack	d d Dioes		
		05/03/07	-	å.			
		05/03/07			Color section pipe constituction (remaining)	inon (Remaining)	
E	ionological control	20000			Particle Construction (At Carrie	geway Portion)	
3							
5RW0500 W/B: Clear existing road surface	12 03/02/07	16/02/07		J.	SelWiB; Clear existing road surface		(100
	6 17/02/07	11/03/07		•	Construct W/B carriageway road surfacing	oad surfacing	
			OSIN				
	Mention in presented	WESTERNOOD Early Bur	2000	Chira Wo Constantion & Eng. Co. 141	Special of the Court	Omer	
Data Date 21/12/05 Para Date		Calcal Artich			9290(0)	0	
				Contract No. HY/2005/06 Castle Book Dood Improvement Most of Fairs Live Tax	210606		
			BOU YEST STEED YOU	suprovinent west of I sing congillar			
			100	10. C. D			
Observators Contame lan			200	USD Works Programme Rev 1			

SHW2000 Divertibe original road to the new road (W/S)		20/60/02		
Eta-clost existing mad surface	12 03/03/07 18	18/03/07	THE E.B. char axisting road surface	
1 surfacing		23/03/07	Bloomstruct E/B carriageway road surranger	
TTM Staging Preparation		24/01/07	STALC Meeting	
TMLG Meeting	1 25/01/07 25	25/01/07	SERMOR cadwork Advice	
-		1000		
S Construction(Ch2+3UU to Ch2+4UU)	12 14/10/06	27/10/06		
W.E. Coar exemp ford surane, I alle	I	04/11/06	Econstruct W/B carrisgoway road surfacing, 1 lane	
Ī		06/11/05	Divert the original road to the new lane	
W/B: crear existing road surface, 1 lans		20111/05	MINUS: clear existing road surface, 1 drie	
Construct W/B carriageway road surfacing, 1 lane		27/11/06	WALE Clear existing road surface, 1 land	
E/B: Clear existing road surface, 1 fane	12 28/11/06 11	11/12/06	Robertuct EIB carriageway road surfacing, 1 lane	
Construct E/B carriageway road surrading, 1 lane		70/10/107	ear existing road gurface,	
ing, 1 lane 6		13/01/07	Moonstruct EIB carriagoway road surfacing, 1 lane	
TTM Staging Preparation	11/09/06	03/10/06	WEEDSTTM Staging Preparation	
Divert the original road to the new lane	T	19/12/06	TIME Mosling	
TMLG Meeting	1 04/10/06	12/10/06	AMERIMO:Roadwork Advice	
6HW3530 HWChastoon Aurice				
Must Franchise & demolish poleting mad surface	12 21/04/06" 0	06/05/06	\$25W/8: Excavation & demolish existing road surface	
Acti 195701 1m Watermain Connection to Ch1825 (25 m) E/B 80 kg		28/03/06	Section of the Watermain Connection to Ch1825 (25 m) E/8	
Cross Road Duct Laying E,W/B	8 23/09/06 0	03/10/06	ERChoss Road Duct Laying E-W/B	
Utitios Laying E/B		13/04/07	Company of the Compan	
nection to Ch1825 (25 m) W/B		28/08/06	A Marie Mari	
00 Utilities Laying W/B	14" 06/02/07	27/02/07	HOTE GENERAL MANAGEMENT CONSTRUCT W.B. E.B. U/G drafn, watermain, etc	
Construct W/B, E/B: U/G drain, walermain, did		14/10/06	September 1975 Ele Kerb, Barrier and surfacing	
		16/10/06	Divertithe original road to the new road (E,WIB)	
Construct W/B, E/B Beam Barrier & Footpath		14/11/08	West Constitution (W.S. Constitution of Consti	
Slip Rd: Excay & demolish exist road surface		31/10/06	Same State Sip Rd; UG drainage & utilities	
Sip Rd: U/G drainage & utilities	18 09/02/07	07/08/07	The Construct Slip Rd surfacing work	
		21/11/06	Management Construction of Car Park	
TTM Staging Preparation	П	12/09/06	MMR TTM Staging Preparation	
TMLG Meeting		13/09/06	Olithia Areaing	
	10 14/09/05	25/09/06	ENTING ROSCING NATION	
Slope Remedial Works				
			REMANDER Remodal works to Slope No. 6SW-DC170	DIC170
6SW-D/C170	57- 30/01/07	1204/07		
dial Work 6SW-D/FR286	167-10864/06	31/10/06	In-terconner properties and the second second second second works to Slope No. 6SW-DIFRZ66	
, 6SW-D/F89	100" 13/06/06	10/10/06	EXECUTION CONTROL OF THE CHARGE IN SOCIETY OF SOME SOME SOME STATE OF THE SOME SOME SOME SOME SOME SOME SOME SOM	
dial Work 6SW-D/FR63			Section No. 65W, OFFRS	
. 6SW-D/FR83	80* 15/10/05	22/01/07		
nedial Work 6SW-D/F82	120-115/06/08	06/11/06	RECOLUMNIA TO THE WASHINGTON TO SHOP IN THE STATE OF THE	
			-	i
e No. 6SW-D/R1	87-12/12/08	02/04/07	SECOND SALES OF SALES	
on II - Landscaping Works				
X Tree Transplant	200 06/02/05*	24/05/07	Landscaping Work	
Lanoscaparg work	П		Shart 4 of 5	Manual Manual
Slan Dave 21/10/05 Institution of the Person	a shareware a	Prograss Sar		NOTION NO
		Ottorio	Castle Peak Road Improvment West of Tsing Lung Tau	
			Lysh emmane Bay	
			The state of the s	

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EP1000 Establishment works ?Primavera Systems, Inc. Start Oax Presh Bute Data Date Ren Date

Appendix B
Monitoring schedule for
February 2007 and
March 2007

Environmental Monitoring and Audit Schedule - February 2007

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

Note 2: Note 3:

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

			Feb-2007			
Sunday	Monday	Tuesday		Thursday	Friday	Saturday
				-	2	3
				Site Inspection		
					MW	
4	5	9	7	8	6	10
		5	8	Site Inspection		
	MW		MW		MW	
=	12	13	14	15	16	17
		Site Inspection				
	MW		MW		MW	
18	19	20	21	22	23	24
	£)					
26	30	7.0	MW		MW	
67	97	/7	97			
	WW		MANA			
			2000			

Tentative Environmental Monitoring and Audit Schedule - March 2007

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

Note 3:

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

			Mar-2007			
Sinday	Monday	Tuesday		Thursday	Friday	Saturday
				Site Inspection	2	8
4	S	9	7	8 Site Inspection	MM 6	10
	WWW		MW		MW	
	12	13	•	15	nspection	17
	744		WW		MW	
18	19	20		22 Site Inspection	23	24
	VWW		, AVM		MV	
25	26	27		29 Site Inspection	30	31
	MW		MW		MVV	

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, Kowloon Tong,

Kowloon.

Received Date

: 24/01/2007

Approved Signatory: Fung Kam Wing

Remarks

Completion Date : 25/01/2007

Report No.

Page No.

: CR 000077

: 1 of 5

Issue Date : 01/02/2007

Calibration Results:

Item

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

Serial No.

: 99 G0526 AB

Calibration Method : APHA 18e 2520 A & B

Date of Calibration : 25/01/2007

Results:

Salinity

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

Approval Signatory:



CALIBRATION REPORT

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

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

> Kowloon Tong, Kowloon.

Received Date

: 24/01/2007

Approved Signatory : Fung Kam Wing

Remarks

Report No.

: CR 000077

Page No.

: 2 of 5

Issue Date

: 25/01/2007

: 01/02/2007

Calibration Results:

Item

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

Completion Date

Serial No.

99 G0526 AB

Calibration Method: In house method

Date of Calibration : 25/01/2007

Results:

Temperature

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

Approval Signatory:



CALIBRATION REPORT

Client

: OVE ARUP & PARTNERS H.K. LTD.

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

Kowloon Tong,

Kowloon.

Received Date

: 24/01/2007

Approved Signatory: Fung Kam Wing

Remarks

Completion Date : 25/01/2007

Report No.

Page No.

Issue Date

: CR 000077

: 01/02/2007

:3 of 5

Calibration Results:

Item

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

Serial No.

: 99 G0526 AB

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

Date of Calibration : 24/01/2007

Results:

Dissolved Oxygen

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

Approval Signatory:

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

Tel: (852) 2788 5678 • Fax: (852) 2788 5900 • Telex: 32842 HKPC HX

香港總部

香港尖沙咀郵政信箱99027號 ● 香港九龍達之路78號生產力大樓



CALIBRATION REPORT

Completion Date

Client OVE ARUP & PARTNERS H.K. LTD.

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

Kowloon.

Received Date

: 24/01/2007

Approved Signatory: Fung Kam Wing

Remarks

Report No.

: CR 000077

Page No.

: 4 of 5

Issue Date : 01/02/2007

: 25/01/2007

Calibration Results:

Item

: HACH 2100P Turbidimeter

Serial No.

011100024354

Calibration Method : APHA 18e 2130 B

Date of Calibration : 25/01/2007

Results:

Turbidity

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

Approval Signatory:



CALIBRATION REPORT

Client

: OVE ARUP & PARTNERS H.K. LTD.

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

Kowloon Tong, Kowloon.

Received Date

: 24/01/2007

Remarks

Report No.

: CR 000077

Page No. Issue Date :5 of 5

: 01/02/2007

Approved Signatory: Fung Kam Wing

Completion Date : 25/01/2007

Calibration Results:

Item

HANNA instrument HI 98128 membrane pH meter

Serial No.

: 1377140

Calibration Method: In house method

Date of Calibration : 24/01/2007

Results:

pН

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

Approval Signatory:

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

香港總部

香港尖沙咀郵政信箱99027號 • 香港九龍達之路78號生產力大樓

Appendix D

Marine water quality
monitoring results

Test	1(10)5	Make:				147-1	Temp.			Turke 1888	DO, %	DO. %			2420		NTU,		SS,
Lab	Location	Position	Tide	Sampling Date	Time	Water depth, m	°C	DO, mg/L (1)	DO, mg/L (2)	DO, Average value	saturation (1)	saturation (2)	nH Holt	Salinity, ppt	Turbidity, NTU (1)	Turbidity, NTU (2)	Averaged Value	Suspended Solid, mg/L	Averaged Value
1	WWA1	S	MID-EBB	2-Feb-07	VIIII	in a print, and	18.0	6.95	6.93	DO, Avoiage value	91.3	91.1	8.1	33.0	2.8	2.8	Value	7.0	value
2	WWA1	M	MID-EBB	2-Feb-07	13:48	6.90	17.8	7.07	7.08	7.01	91.2	91.0	8.1	32.8	2.7	2.7		13.5	1
3	WWA1	В	MID-EBB	2-Feb-07			17.6	6.64	6.60	6.62	89.3	88.8	8.1	32.9	3,1	3.3	2.9	6.5	0.0
4	WWA2	S	MID-EBB	2-Feb-07			18.1	6.11	6.10	0.02	79.4	79.0	8.1	32.9	3.0	2.8	2,9	5.0	9.0
5	WWA2	M	MID-EBB	2-Feb-07	13:39	6.80	17.9	6.50	6.52	6.31	82.6	83.0	8.1	33.0	2.9	2.8		7.0	
6	WWA2	В	MID-EBB	2-Feb-07	10.00	0,00	18.0	6.65	6.57	6.61	88.9	87.5	8.1	32.8	3.4	3.4	3.0	9.0	7.0
7	WWA3	s	MID-EBB	2-Feb-07			18.7	6.16	6.17	0,01	76.6	78.4	8.1	31.7	2.9	2.9	3,0		7.0
8	WWA3	М	MID-EBB	2-Feb-07	13:30	7.10	18.0	6.58	6.56	6.37	85.4	85.2	8.1	32.8	3.8	3.8		9.0	
9	WWA3	B	MID-EBB	2-Feb-07	10.00	1,110	18.3	5.85	5.83	5.84	77.6	77.3	8.1	32.8	5.6	5.6	4.1	-	100
10	WRA1	S	MID-EBB	2-Feb-07	_		17.9	6.88	6.84	3,04	89.3	89.0	8.1	32.8	5.5	5.0	4.1	10.5	10.0
11	WRA1	M	MID-EBB	2-Feb-07	14:01	31.90	17.9	6.45	6.44	6.65	84.3	83.9						9,0	1
12	WRA1	В	MID-EBB	2-Feb-07	14.01	01.00	18.0	6.92	6.90	6.91	90,0	89.5	8.1	32.4 32.8	3.9 2.3	3,8		9.0	
13	WRA2	S	MID-EBB	2-Feb-07	_	_	17.9	6.96	6.93	6.91	91.7	90.0		32.8	3.3	2.4	3,8	9,5	9.2
14	WRA2	M	MID-EBB	2-Feb-07	14:15	30.40	17.7	6.73	6.74	6,64	86.4	86.2	8.1	32.8	2.9	3,5		9,0	1
15	WRA2	B	MID-EBB	2-Feb-07	14,13	30,40	17.8	6.94	6.97	6.96					21,010	2.9		7.0	
16	WRA3	S	MID-EBB	2-Feb-07			18.0	7.07	7.02	0.90	89.2	89.1	8.1	32.8	4.8	4.5	3,6	16.0	10.7
17	WRA3	M	MID-EBB	2-Feb-07	14:27	30.20	18.1	6.76	6.73		92.0 87.9	91.7 87.7	8.1	32.8	3.4	3.4		11.0	
18	WRA3	В	MID-EBB	2-Feb-07	14.21	30,20	17.9	6.92	6.93	6.90 6.93	89.4	89.2	8.1	32.8	3.9	3.9	20	6,5	
	WWFCZ1	S	MID-EBB	2-Feb-07	_	_	18.0	6.65	6.64	0.93			8.1	32.8	3.5	3,5	3,6	18.0	11.8
	WWFCZ1	M	MID-EBB	2-Feb-07	15:10	40.60		6.17		0.40	89.0	88.4	8.1	32.8	3.3	3,3		10.0	
	WWFCZ1	B	MID-EBB	2-Feb-07	15,10	40.00	18.1	6.31	6.15	6.40	76.1	75.9	8.1	32.9	3.0	3.2		11.5	
	WWFCZ2	S	MID-EBB	2-Feb-07 2-Feb-07				6.69		6.30	83.4	82.9	8.1	32.9	4.7	4.5	3,7	13.5	11.7
23	WWFCZ2	M	MID-EBB	2-Feb-07 2-Feb-07	14:55	40.20	18.0	6.71	6.67	0.07	89.1	87.2	8.1	32.8	3.1	3.3		11.0	1
	WWFCZ2	B	MID-EBB	2-Feb-07 2-Feb-07	14.55	40.20	18.0	6.87		6,67	88,2	87,3	8.1	32.9	2.9	2.8		12.0	
	WFCZR1	S	MID-EBB	2-Feb-07	_	_	18.0	6.56	6.86	6.87	89.4	89.0	8.1	32.8	3,2	3.3	3.1	11.5	11.5
26	WFCZR1	M	MID-EBB	2-Feb-07	15:26	43.50			6.51		85.9	84.9	8.1	32,9	2.9	2.8		11.5	i
27	WFCZR1	B	MID-EBB	2-Feb-07 2-Feb-07	15.26	43.50	18.0	6.54	6.49	6.53	87.0	86.5	8.1	32.8	3.1	3,1	200	19,5	
28	WFCZR1	S	MID-EBB	2-Feb-07 2-Feb-07	_		18.0	6.32	6,20	5.26	86.2	85.9	8.1	32.8	3.5	3,6	3.1	17,5	16.2
29		M	The second second second second		14:39	43.00					84.7	84.6	8.1	32.9	2.6	2.5		8.5	1
30	WFCZR2 WFCZR2	B	MID-EBB MID-EBB	2-Feb-07 2-Feb-07	14.39	43.00	17.8	6.39 7.10	6.37	6.48	82.6	82.4	8.1	32,9	3.6	3,5		0.8	
31	WWA1	S	MID-EDD	2-Feb-07					7.07	7.09	90.8	91.1	8.1	32,8	3.1	3.1	3.0	8,0	8.2
32	WWA1	M	MID-FLOOD	2-Feb-07	9:50	7.40	18.0	6.59	6.56		63.6	84.0	8.1	32.8	2.9	2.9		6.0	
33	WWA1	B	MID-FLOOD	2-Feb-07	9,00	1,40	17.9	6.62	6.58	6,59	86.1	85.9	8.1	32.8	3.1	3.0		9,0	22
34	WWA2	S	MID-FLOOD	2-Feb-07	_		18.0	6.50	6.48 6.58	6.49	85,3	85.1	8.1	32,8	3.2	3.2	3,0	8.0	7.7
35	WWA2	M	MID-FLOOD	2-Feb-07	9:40	7.20	18.0	6.64	6,60	0.04	86.9 87.0	86.3	8.1	32,7	2.8	2.9		6.0	
36	WWA2	B	MID-FLOOD	2-Feb-07 2-Feb-07	9.40	1.20	17.9	6.49		6,61		86,5	8.1	32,3	2.4	2.5		19.0	
37	WWA3	S	MID-FLOOD	2-Feb-07 2-Feb-07	-		17.9	6,54	6.47 6.55	6.48	83.6	83.5	8.1	32.8	3.2	3.1	2.8	9.5	11,5
38	WWA3	M	MID-FLOOD	2-Feb-07	9:30	7.60	17.8	6.38		0.47	85.0	84.8	8.1	32.7	2.7	2.8		11.0	
38	WWA3	В			9.50	7.00			6.41	6.47	83.9	82.4	8_1	32,9	3,0	2.9		9.5	1. 20
40	WRA1	S	MID-FLOOD	2-Feb-07 2-Feb-07			17.8	6.72	6.69	6.71	87.2	86.9	8.1	32.9	3,3	3,4	3.0	5.5	8.7
41	WRA1	M	MID-FLOOD	2-Feb-07	10:03	33,40	18.0		6.36	6.40	83,9	83.3	B_1	33.2	4.8	4.8		9.0	
42	WRA1		MID-FLOOD	2-Feb-07 2-Feb-07	10,03	33,40		6.43	6.42	6.42	85.0	84.6	8.1	32.8	4_1	4.2		11.0	
43	WRA2		MID-FLOOD	2-Feb-07 2-Feb-07	-		17.8	6.52	6,50	0.51	85,5	85.0	8,1	32.0	3.9	3.8	4.3	16.5	12.2
44	WRA2		MID-FLOOD	2-Feb-07 2-Feb-07	10:16	30.80			6.21	0.00	84.0	83.2	8.2	32,9	3.6	3.4		12.0	
	WRA2		MID-FLOOD	2-Feb-07	10.10	30,00	18.0	6.29	6,27	6.26	84.2	82.6	8.2	32.8	3.2	3.4		10.5	
45	VVIKAZ	В	MID-LTOOD	2-rep-U/			18.0	6.61	6,63	6.62	84.8	85.0	8.2	32.7	4.0	3,9	3,6	19.5	14.0

G: env project 24583:env_data:marine impact Data Evaluation/monthly

Page 1 of 15

Lab	Location	Position	Tide	Sampling Date	Time	Water depth, m	Temp.	DO, mg/L (1)	DO, mg/L	DO, Average value	DO, % saturation (1)	DO, % saturation (2)	pH, Unit	Salinity, ppt	Turbidity, NTU (1)	Turbidity,	NTU, Averaged Value	Suspended Solid, mg/L	SS, Averaged Value
46	WRA3	S	MID-FLOOD	2-Feb-07			17.7	6,40	6.37		84.2	83.7	8.1	33.0	3.6	3.5	Various.	18.5	
47	WRA3	M	MID-FLOOD	2-Feb-07	10:28	31.10	18.0	6.37	6.32	6.37	84.7	83.5	8.1	32.9	3.3	3.3		19.5	
48	WRA3	8	MID-FLOOD	2-Feb-07	100000	1000000	18.0	6.44	6.45	6.45	82.2	82.4	8.1	32.8	3.5	3.6	3.5	17.5	18.5
49	WWFCZ1	S	MID-FLOOD	2-Feb-07			17.5	6.02	6,00		77.5	77.3	8.1	32.9	3.9	3.8		17.5	11000
50	WWFCZ1	M	MID-FLOOD	2-Feb-07	11:08	40.80	17.7	5.95	5.94	5.98	77.0	76.7	8.1	32.8	3.1	3.2		10.0	į.
51	WWFCZ1	В	MID-FLOOD	2-Feb-07			17.7	5.60	5.59	5.60	72.2	72.1	8.1	32.8	4.0	3.8	3.6	16.5	14.7
52	WWFCZ2	S	MID-FLOOD	2-Feb-07			17.8	5.84	5.82		76.1	76.0	8.1	32.9	3.3	3.4		10.5	1.777
53	WWFCZ2	M	MID-FLOOD	2-Feb-07	10:53	40.20	18.0	5.65	5.64	5.74	73.2	73.1	8.1	32.7	3.1	3.2		12.5	
54	WWFCZ2	В	MID-FLOOD	2-Feb-07			18.0	5.96	5.95	5.98	76.2	76.3	8,1	32.7	3.4	3.4	3.3	13.0	12.0
55	WFCZR1	S	MID-FLOOD	2-Feb-07			18.4	6.21	6.19		82.5	82.3	8.1	32.8	3.0	2.8	331150	16.0	1,000
56	WFCZR1	M	MID-FLOOD	2-Feb-07	11:23	44.00	17.6	5.78	5.77	5.99	74.8	74.6	8.1	32.8	3.6	3.7		25.5	
57	WFCZR1	В	MID-FLOOD	2-Feb-07			17.6	6.05	6.03	6.04	78.7	78.4	8.1	33.0	3.8	3.7	3.4	18.0	19.8
58	WFCZR2	S	MID-FLOOD	2-Feb-07			17.7	6.36	6.35		83.0	82.7	8.1	33.0	3.1	3.1		17.5	
59	WFCZR2	M	MID-FLOOD	2-Feb-07	10:41	43.70	17.9	6,65	6.64	6.50	74.7	85.3	8.1	32.6	3.3	3.4		17.5	į.
60	WFCZR2	В	MID-FLOOD	2-Feb-07			18.0	6.58	6.57	6.58	85,4	85.1	8.1	32.8	3.6	3.4	3.3	17.5	17.5
51	WWA1	S	MID-EBB	5-Feb-07			18.6	7.37	7.36		96.4	96.1	8.1	32.5	2.7	2.7		25.0	7.1.0
32	WWA1	M	MID-EBB	5-Feb-07	15:19	6.80	18.8	8.62	6.69	7.01	87.1	86.6	8.1	32.5	6.9	6.8		21.5	į.
33	WWA1	8	MID-EBB	5-Feb-07	20000	250000000	18.6	7.00	6.93	6.97	92.2	91.9	8.1	32.6	2.4	2.4	4.0	8.5	18.3
34.	WWA2	S	MID-EBB	5-Feb-07			18.7	6,35	6.34		83.0	82.9	8.1	32.6	3.5	3.6	7.0	28.0	10.0
35	WWA2	м	MID-EBB	5-Feb-07	15:08	6.90	18.7	6.61	6.60	6.48	86.3	86.2	8.1	32.6	4.8	4.6		29.5	
66	WWA2	В	MID-EBB	5-Feb-07	(9000000)	0.00000000	18.6	7.01	7.02	7.02	90.6	90.7	8.1	32.6	4.0	4.2	4.1	20.0	25.8
37	WWA3	S	MID-EBB	5-Feb-07			19.6	5.86	5.79		78.8	78.6	8.1	32.3	3.3	3.3	7-1	10.5	20,0
8.6	WWA3	м	MID-EBB	5-Feb-07	15:00	6.90	18.2	5.67	5.64	5.74	76.4	76.2	8.1	32.3	4.5	4.7		11.5	
69	WWA3	В	MID-EBB	5-Feb-07	10000	36366.	18.8	5.75	5,77	5.76	73.4	73.5	8.1	30.7	2.4	2.4	3.4	23.5	15.2
70	WRA1	S	MID-EBB	5-Feb-07			18.6	7.91	7.92	3.1.5	102.3	102.4	8.1	32.4	3.5	3.5	5.4	23.0	.19:6:
71	WRA1	M	MID-EBB	5-Feb-07	15:32	32.90	18.6	6.82	6.79	7.36	91.2	90.8	8.1	32.5	2.7	2.7		21.5	
72	WRA1	В	MID-EBB	5-Feb-07			18.8	7.22	7.18	7.20	95.8	95,4	8.1	32.5	3.1	3.1	3.1	7.5	17.3
73	WRA2	S	MID-E88	5-Feb-07			18.6	7.50	7.46	1,20	98.2	98.0	8.1	31.8	2.7	2.7	3.1	17.0	17.3
74	WRA2	M	MID-EBB	5-Feb-07	15:46	30.20	18.7	7.56	7.54	7.52	97.5	97.8	8.1	32.4	2.6	2.6		9.5	
75	WRA2	В	MID-E8B	5-Feb-07	2000	S2002	18.5	7.00	6.97	6.99	93.1	92.6	8.1	32.5	4.4	4.2	3.2	11.5	12.7
76	WRA3	S	MID-EBB	5-Feb-07	_		18.5	7.07	7.01	0.00	94.4	93.7	8.1	32.5	3,6	3.6	3.2	12.0	14.1
77	WRA3	M	MID-EBB	5-Feb-07	15:58	29.80	18.5	7.28	7.26	7.16	95.1	94.8	8.1	32.5	2.7	2.7		7.5	
78	WRA3	В	MID-EBB	5-Feb-07	10000	355555	18.4	7.45	7.49	7.47	94.4	94.2	8.1	32.6	3.4	3.5	3.2	11.0	10.2
79	WWFCZ1	S	MID-EBB	5-Feb-07	_	_	18.4	6.57	6.54	1557	89.3	88.4	8.3	32.5	3.3	3.4	3.2	17.5	10.2
	WWFCZ1	M	MID-EBB	5-Feb-07	16:39	40.70	18.3	6.77	6.74	6.66	90.2	89.4	8.3	32.5	6.1	6.2		10.0	
	WWFCZ1	В	MID-EBB	5-Feb-07			18.3	6.90	6.91	6.91	88.3	88.5	8.3	32.4	3.0	3.2	4.2	12.5	13.3
-	WWFCZ2	S	MID-EBB	5-Feb-07	-		18.6	6.71	6.70	0.01	88.0	87.7	8.3	32.6	2.3	2.4	9.2	8.0	13,3
	WWFCZ2	M	MID-EBB	5-Feb-07	16:27	40.60	18.5	7.15	7.14	6.93	92.5	92.4	8.3	32.5	4.4	4.0			
-	WWFCZ2	В	MID-EBB	5-Feb-07			18.3	6.82	6.79	6.81	90.3	89.2	8.3	32.5	3.9	3.9	3.5	14.0	100
	WFCZR1	S	MID-EBB	5-Feb-07	_	_	18.6	6.87	6.85	0.01	92.5	91.8	-				3,5	14.0	12.0
	WFCZR1	M	MID-EBB	5-Feb-07	16:56	43.00	18.4	6.80	6.71	6.81	90.0		8,3	32.4	2.6	2.7		10.5	
	WFCZR1	В	MID-EBB	5-Feb-07	.0.00	45.00	18.4	7.31	7.30	7.31	93.7	89.5	8.3	32.5	3.1	3.1	227	11.5	202
	WFCZR2	S	MID-EBB	5-Feb-07	_		18.5	6.92	6.90	7:31	88.6	94.0	8.3	32.4	3.8	3.7	3.2	6.5	9.5
-	WFCZR2	M	MID-EBB	5-Feb-07	16:12	41.90		75,150,000		7.7		89.1	8.1	32.6	4.2	4.3		18.0	
10	VIFUZINZ	ret.	MID-EDB	2-F60-01	10,12	41.90	18.4	7,44	7.43	7.17	92.5	92.8	8.1	32.6	3.4	3.6		14.0	

Lab	E HAY	D. Man	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	Torbidity. NTU (1)	Turbidity, NTU (2)	NTU, Averaged Value	Suspended Solid, mg/L	Value
ID	Location			A STATE OF THE PARTY OF THE PAR	Links		18.4	7.40	7.28	7.34	93.8	94.0	8.1	32.6	4.9	4.8	4,2	17.0	16.3
90	WFCZR2	В	MID-EBB	5-Feb-07 5-Feb-07	_		18.2	7.14	7.09		93.2	93.6	8.3	32.6	3.3	3.3		9.5	
91	WWA1	S	MID-FLOOD	5-Feb-07	9:49	7.00	18.2	7.12	7.07	7.11	91.7	91.8	8.3	32.5	4.1	4.2	0.00	8.5	0.7
92	WWA1	M	MID-FLOOD	5-Feb-07	0.40	1.00	18.2	6.92	6.85	6.89	92.3	91.8	8.3	32.6	3.7	3.6	3.7	11.0	9.7
93	WWA1	В	MID-FLOOD		_		18.2	6.59	6.55		91.4	90.3	8,3	32.5	3.3	3,4		5.5	
94	WWA2	S	MID-FLOOD	5-Feb-07	9:40	6.90	18.2	7.12	7.10	6.84	91.7	91.3	8.3	32.6	4.2	4.3	10	6.5	
95	WWA2	M	MID-FLOOD	5-Feb-07	3.40	0.00	18.1	7.12	7.06	7.09	94.0	93.4	8.3	32.6	4.3	4.2	3.9	10.0	7.3
96	WWA2	В	MID-FLOOD	5-Feb-07	-	_	18.2	7.05	7.08		91.5	91,3	8.3	32.6	3.8	3.8		6.5	
97	WWA3	S	MID-FLOOD	5-Feb-07	9:30	7.30	18.2	7.20	7.15	7.12	94.5	94.4	8.3	32.5	3.7	3.9		7.5	872
98	WWA3	M	MID-FLOOD	5-Feb-07	9.30	7.50	18.2	7.03	7.05	7.04	90.9	90.8	8.3	32.6	3.3	3.2	3.6	5.5	6.5
88	WWA3	В	MID-FLOOD	5-Feb-07	_	_	18.4	7.02	7.01	1	90.7	90.9	8.2	32.5	3.3	3.6		24.0	1
100	WRA1	S	MID-FLOOD	5-Feb-07	40.00	33.80	18.5	6.46	6.45	6.74	85.8	85.3	8.2	32.4	3.1	3.2	1	24.5	1
101	WRA1	M	MID-FLOOD	5-Feb-07	10:05	33,00		6.97	6.98	6.98	89.8	89.7	8.2	32.6	3.1	3.0	3.2	37.0	28.5
102	WRA1	В	MID-FLOOD	5-Feb-07			18.2		6.85	0,00	90.0	89.5	8.2	32.5	3.6	3.5		25.0	
103	WRA2	S	MID-FLOOD	5-Feb-07			18.3	6.87	6.19	6,53	82.4	81.8	8.2	32.5	3.6	3.4	1	29.0]
104	WRA2	M	MID-FLOOD	5-Feb-07	10:18	31.00	18.4	6.22		6.78	88.3	87.9	8.2	32.5	4.7	4.7	3.9	6.0	20.0
105	WRA2	В	MID-FLOOD	5-Feb-07			18.3	6.77	6.79	0,70	87.8	87.7	8.2	32.6	2.6	2.6		10.5	
106	WRA3	S	MID-FLOOD	5-Feb-07		110400000	18.5	6,91	6.90	6.73	85.6	85.9	8.2	32.6	3.9	3.8	1	15.0]
107	WRA3	M	MID-FLOOD	5-Feb-07	10:31	30,60	18.4	6.54	6.55	6.60	87.9	86.5	8.2	32.6	2.8	2.9	3.1	8.5	11.3
108	WRA3	В	MID-FLOOD	5-Feb-07			18.3	6.61	6,58	6.00	91.7	91.6	8.1	32.5	3.8	3.9		19.5	
109	WWFCZ'	1 S	MID-FLOOD	\$-Feb-07			18.2	7.01	7.00		83.0	82.6	8.1	32.5	5.7	5.7	1	16.0	1
110	WWFCZ:	M	MID-FLOOD	5-Feb-07	11:16	41.30	18.2	6.31	6.30	6.66		91.4	8.1	32.5	3.4	3.3	4.3	24.5	20.0
111	WWFCZ*	1 B	MID-FLOOD	5-Feb-07	1		18,3	7.09	7.08	7.09	91.4	90.7	8.1	32.5	3.0	3.1		21,5	
112	WWFCZ	2 8	MID-FLOOD	5-Feb-07	970.5755	- 20504	18.1	7.07	7.04		90.6	90.7	8.1	32.5	3.9	4.0	1	17.5	1
113	WWFCZ:		MID-FLOOD	5-Feb-07	11:02	40.80	18.1	6.90	6.93	6.99	90.6		8.1	32.5	3.1	3.2	3.4	12.0	17.0
114	WWFCZ		MID-FLOOD	5-Feb-07	1		18.2	7.24	7.22	7.23	92.0	92.6 86.1	8.1	32.1	2.9	2.9		9.0	
			MID-FLOOD	5-Feb-07		100000	19.0	6.56	6,60	000000	86.6		8.1	32.3	3.7	3.8	+	17.0	1
116	WFCZR		MID-FLOOD	5-Feb-07	11:32	43,40	18.4	6.67	6.63	6.62	87.9	87.2		32.7	4.6	4.7	3.8	23.5	16.5
117	WFCZR		MID-FLOOD	5-Feb-07	7		18.2	6.83	6.84	6.84	86.6	87.1	8.1	32.6	4.6	4.5		14.5	
118	WFCZR		MID-FLOOD	5-Feb-07	1		18.4	6.53	6.51	93.332	85.9	85.5	8.1	32.7	4.1	4.6	4	9.5	1
119	WFCZR		MID-FLOOD		10:47	42.60	18.4	6.73	6.71	6.62	88.9	88.7	8,1	32.6	4.1	4.1	4.3	15.0	13.0
120	WFCZR		MID-FLOOD				18.2	6.61	6.59	6,60	86.7	86.0	8.1	31.6	2.8	2.8	1.0	9.0	
121	WWA1	S	MID-EBB	7-Feb-07			19.6	7.27	7.26		96.2	96.0	7.8	31.9	3.0	3.1	-	7.0	7
122	WWA1	M	MID-EBB	7-Feb-07	15:21	7.00	19.3	7.68	7.69	7.48	101.8	101.4	7.8		2.7	2.6	2.8	7,5	7.8
123	WWA1	В	MID-EBB	7-Feb-07	1	1	19.1	7.43	7.46	7.45	97.0	96.8	7.8	32.0	3.1	3.1		5.0	
124	WWA2		MID-EBB	7-Feb-07			19.3		7.35		99.8	99.9	7.8		3.1	3.2	1	15.0	
125			MID-EBB	7-Feb-07	15:11	6,60	19.2	7,42	7.79	7,49	98,1	97.6	7.8	32.0	2.6	2.7	3.0	6.0	8.7
126	WWA2		MID-EBB	7-Feb-07	1		19.4		6,88	6.89	91.9	91.5	7.8	31.1	2.4	2.5	3.0	7.0	1
127	WWA3		MID-EBB	7-Feb-07			20.2	6.57	6.54	(included)	87.9	88.0	7.8	31.5		2.5	4	7.5	-
128	WWA3		MID-EBB	7-Feb-07	15:00	6.90	19.7	6,26	6.25	6.41	84.0	83.8	7.8	31.1	2.6		2.7	9.5	8.0
distance man	-		MID-EBB	7-Feb-07	-		19.4	5.87	5.85	5.86	78.6	78.0	7.8	32.1	3,2	3.2	2.1	6.5	0.0
129		S	MID-EBB	7-Feb-07			19.3	7.28	7.29		95,5	95.4	7.8	31.7	2.1	2.2	4	6.5	-
130		M	MID-EBB	7-Feb-07	15:35	31,90	18.9		7.14	7.22	95,2	94,6	7.8	32.0	2.7	2.7	2.2	5.0	6.0
131	WRA1	B	MID-EBB	7-Feb-07	1		18.9		7.28	7.29	93.9	94.0	7.8	31.9	1.9	1.9	2.2	5.0	0.0
132			MID-EBB	7-Feb-07	+	_	19.3		7.55		101.2	101.0	7.8	31.8	3.0	3.3		5,0	_

G_env_project/24583/env_data/marine/impact/Data Evaluation/monthly/

Page 3 of 15

											50.%	DO, %			H. A.		NTU,	Control (SS,
	No.	Tulloud	1000000000	MADE REV	10.75	Water	Temp.	DO. mg/L	DO, mg/L		saturation	saturation			Turbidity,	Turbidity,	Averaged	Suspended Solid, mg/L	Averaged Value
Lab	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		Value
_	WRA2	M	MID-EBB	7-Feb-07	15:47	29.50	19.3	7.09	7.07	7.32	94,5	94.3	7.8	32.0	2.1	2.7	0.0	16.0	10.8
134	WRA2	B	MID-EBB	7-Feb-07	1000		19.0	7.37	7.40	7,39	94.1	94.5	7.8	32.1	2.5	2.4	2,6	13.5	10,0
135 136	WRA3	S	MID-EBB	7-Feb-07			19.3	7,41	7.42		97.7	97.6	7,8	31.8	2,3	2.4		6.0	
137	WRA3	M	MID-EBB	7-Feb-07	15:59	28.80	19.0	6.94	6.93	7.18	92.7	92,1	7.8	32.1	2,4	2.5	2.4	12.0	10.5
138	WRA3	В	MID-EBB	7-Feb-07			18.9	7.35	7.36	7.36	93.7	93.9	7.8	32.1	2.5	2.5	2.4	7.0	10,0
139	WWFCZ1	S	MID-EBB	7-Feb-07			19.2	7.43	7.37		99,3	98.9	7.8	31.8	2.5	2.5	-	21.0	1
140	WWFCZ1	M	MID-EBB	7-Feb-07	16:36	39.70	19,0	7.28	7.27	7.34	95.2	95.1	7.8	31.9	3,2	3.2	3.3	13.5	13.8
141	WWFCZ1	В	MID-EBB	7-Feb-07			18.9	7,33	7.31	7,32	95,2	95.3	7.8	32.0	4.3	2.3	3,3	10.5	10.0
142	WWFCZ2	S	MID-EBB	7-Feb-07			19.2	7.34	7.32		97.0	96.7	7.8	31,9	2.2	3.6	4	8.0	1
143	WWFCZ2	M	MID-EBB	7-Feb-07	16:23	39_00	19.1	7.01	7.06	7.18	92.4	92.3	7.8	32.1	3.6	3.1	3.0	8.5	9.0
144	WWFCZ2	В	MID-EBB	7-Feb-07			19.4	7.18	7.16	7.17	93,9	94.1	7.8	32,0	3.1	2.5	3.0	10.0	0.0
145	WFCZR1	s	MID-EBB	7-Feb-07			19_4	7.22	7.20		94,3	94.8	7.8	31,9	2.5	2,5	-	7.5	1
146	WFCZR1	M	MID-EBB	7-Feb-07	16:49	41.20	19,1	6.93	6.83	7.05	92.7	92.4	7.8	31.9	4.0	3.9	3.0	10.0	9.2
147	WFCZR1	В	MID-EBB	7-Feb-07	1		18.9	7.06	7.07	7.07	92.4	92.2	7.8	32.1	2.9	2.B	3,0	8.5	1
148	WFCZR2		MID-EBB	7-Feb-07			19.4	7.40	7.37	9	98.0	97.7	7.8	31.9	2.5	2.5	4	16.0	1
149	WFCZR2		MID-EBB	7-Feb-07	16:11	40,30	19.1	7.08	7.06	7.23	93.3	93.0	7.8	32.1	2.8	2.8	2.7	10.0	11.5
150	WFCZR2	_	MID-EBB	7-Feb-07	1		19.0	7.28	7.30	7.29	95.8	95,5	7.8	32.0		2.6	2.1	11.5	
151	WWA1	S	MID-FLOOD	7-Feb-07			19,2	6.83	6.84		90.5	90.0	8.2	31,8	3.4	3.5	4	9.0	1
152	WWA1	M	MID-FLOOD	7-Feb-07	10:20	7,30	19.0	7.12	7_09	6.97	95.7	95.4	8.2	32.0	3.9	3.7	3.3	9.5	10.0
153	WWA1	В	MID-FLOOD	7-Feb-07	1		19.0	6.74	6.70	6,72	94.1	93.4	8,2	31.8	3.2	3.3	0.0	11.5	1
154	WWA2	S	MID-FLOOD	7-Feb-07			19.0	6.97	6,95		91.4	91.2	8,1		3.6	3.7	-	7.0	1
155	WWA2	M	MID-FLOOD	7-Feb-07	10:12	7.20	18.8	7.31	7.30	7.13	93.8	94.1	8.1	32.1 32.0	2.8	2.7	3.2	12.0	10.2
156	WWA2	В	MID-FLOOD	7-Feb-07			18.9	7.21	7.19	7.20	95.1	95.0	8.1		3.0	3.1	9,2	9.5	1
157	WWA3	S	MID-FLOOD	7-Feb-07			18.9	6.79	6,80		90.2	89.4	8.1	32.0 31.9	3.2	3.3	-	17.0	1
158	WWA3	M	MID-FLOOD	7-Feb-07	10:00	7.50	19.0	7.15	7.13	6.97	93.5	93.6	8.1	31.9	3.B	3.8	3.4	8.0	11.5
159	WWA3	В	MID-FLOOD	7-Feb-07	1		19.0	7,02	7.00	7,01	91.1	90.5	B_1		1.9	2.0	0.4	8.0	1
160	WRAT	s	MID-FLOOD	7-Feb-07			18.8	7,08	7.07		93.7	92.9	8.2	32.0	2.6	2.5	4	10.5	1
161	WRA1	M	MID-FLOOD	7-Feb-07	10:34	32.60	18.8	7.08	6,99	7,06	93.4	93.1	8.2	31.7	2.0	1.8	2.1	7.0	8.5
162	WRA1	В	MID-FLOOD	7-Feb-07			18.8	7.24	7.25	7.25	94.1	93.8	8.2	32.0	3.2	3.1		21.5	_
163	WRA2	S	MID-FLOOD	7-Feb-07			18.8	7.20	7.17		95.7	95.8	8.2	32.0	2.6	2.7	+	20.0	1
164	WRA2	M	MID-FLOOD	7-Feb-07	10:47	30.70	18.8	6,71	6.69	6.94	88.6	87.9	8.2	32.0	3.0	2.8	2.9	17.0	19.5
165	WRA2	В	MID-FLOOD	7-Feb-07			18.9	7,36	7.40	7,38	93.7	93.5	8.2	32.0	2.7	2.6		11.0	1
166	WRA3	S	MID-FLOOD	7-Feb-07			19.0	7.15	7.14		94.2	93.8	8.2	32.0	2.6	2.6	-	10.0	1
167	WRA3	M	MID-FLOOD	7-Feb-07	11:00	30,20	19.0		6.85	7.01	92.2	91.7	8.2	31.9	2.0	2.1	2.4	15.0	1 12.
168	WRA3	B	MID-FLOOD	7-Feb-07	7		19.0		7.39	7.41	95.7	96.0		31.2	2.2	2.3	1	7,0	1
169	WWFCZ	1 8	MID-FLOOD	7-Feb-07			19.4	7.13	7.12		93.3	93.2	8.4	31.9	3.3	3.5	-1	9.0	1
170	-		MID-FLOOD	7-Feb-07	11:43	40.60	19.0		6.71	6,92	87.6	87.7	8.4	31.9	3.2	3.4	3.0	17.5	11.
171	WWFCZ	1 8	MID-FLOOD	7-Feb-07			18.9		6.89	6.90	89.7	89.8		32.1	2.9	2.8	-	13.0	
172			MID-FLOOD	7-Feb-07			18.8		6.76	- ∤	88.7	88.8	8.4	32.1	3.7	3.8		10.5	7
173			MID-FLOOD	7-Feb-07	11:30	39,80	18.9		6,36	6.58	85.2	84.8	8.4	32.0	3.2	3.3	3.3	11.0	1 11.
174			MID-FLOOD	7-Feb-07			18.9		6.92	6.91	88.6		8.4	31.8	2.8	2.8	1	10.0	1
175			MID-FLOOD	7-Feb-07			19.9		6,61		89.1	88.9	_		2.7	2.8	-	13.0	1
176			MID-FLOOD	7-Feb-07	11:55	42.00	19.3		6.70	6,67	88.9	88.6	8.2	31.9 31.8	3.6	3.7	3_1	10.5	11.5
	WFCZR		MID-FLOOD				19,1	7.09	7.11	7.10	91.1	91.4	8.2	31.8	3,0	3.7	0_1	10.0	

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)	Turbidity, NTU (2)	NTU, Averaged Value	Suspended Solid, mg/L	SS, Averaged Value
178	WFCZR2	S	MID-FLOOD	7-Feb-07			18.9	7.06	7,09		90.9	91.1	8.4	31.8	2.2	2.2		8.5	
179	WFCZR2	M	MID-FLOOD	7-Feb-07	11:16	41.10	18.8	6.88	6.86	6.97	90.1	89.7	8.4	32.0	2.8	2.7		10.5	
180	WFCZR2	В	MID-FLOOD	7-Feb-07			18.8	6.88	6.90	6.89	90.2	90.0	8.4	32.0	3,5	3.8	2.9	12.0	10.3
181	WWA1	S	MID-EBB	9-Feb-07			20.1	6.87	6.83		93.0	92.7	7.7	31.4	2.5	2.5		7,5	
182	WWA1	M	MID-EBB	9-Feb-07	17:19	7.20	20.1	6.08	6.06	6.46	83.2	82.9	7.7	31.5	2.7	2.7		15,5	
183	WWA1	В	MID-EBB	9-Feb-07			20.1	6.04	6.01	6.03	82.5	82.8	7.7	31.4	2.0	2.2	2.4	18.0	13.7
184	WWA2	S	MID-EBB	9-Feb-07			20,3	6.33	6.34		85.2	84.9	7.7	31.3	2.5	2.6		8.5	
185	WWA2	M	MID-EBB	9-Feb-07	17:28	6.80	20.2	6.27	6.24	6.30	84.5	84.3	7.7	31.4	3.0	3.2		13.5	i i
186	WWA2	В	MID-EBB	9-Feb-07			20.2	6.90	6.91	6.91	92.1	92.0	7.7	31.5	3.2	3.2	2.9	12.5	11.5
187	WWA3	S	MID-EBB	9-Feb-07			21.2	5.99	6.00	7	80.1	80.3	7.7	31.3	2.9	2.9		6.5	11.0
188	WWA3	M	MID-EBB	9-Feb-07	17:39	7.10	20.7	5.97	5.96	5.98	81.7	81.4	7.7	31.3	2.5	2.5		5.0	
189	WWA3	8	MID-EBB	9-Feb-07			20.6	6.70	6.72	6.71	86.0	86.7	7.7	31.1	2.3	2.3	2.6	6.5	6.0
190	WRA1	S	MID-EBB	9-Feb-07			20.2	6.05	6.04		81.9	81.5	7.7	31.3	2.1	2.1	2.0	11.0	0.0
191	WRA1	M	MID-EBB	9-Feb-07	17:08	32.30	20.2	6.74	6.75	6.40	89.0	88.9	7.7	31.2	2.7	2.7		9.0	
192	WRA1	8	MID-EBB	9-Feb-07	- Newspec	1.100100110	20.1	6.92	6.93	6.93	92.0	92.2	7.7	31.4	3.1	3.1	2.6	12.5	10.8
193	WRA2	S	MID-EBB	9-Feb-07	-		20.1	6.77	6.71	4.00	90.9	90.7	7.7	31.2	1.6	1.6	2.0	13.5	10.6
194	WRA2	M	MID-EBB	9-Feb-07	16:59	30.70	20.1	6.40	6.39	6.57	84.9	84.8	7.7	31,3	3.0	3.2		15.0	
195	WRA2	В	MID-EBB	9-Feb-07	10.000	0.700000	20.2	6.67	6.70	6.69	86.8	87.0	7.7	31.2	2.2	2.4	2.3	8.0	12.2
196	WRA3	S	MID-EBB	9-Feb-07			20.1	6.62	6.61	0.03	89.4	89.0	7.7	31.2	2.2	2.3	2.3	5.0	12.2
197	WRA3	M	MID-EBB	9-Feb-07	16:51	29.60	20.1	6.54	6.49	6.57	87.6	87.3	7.7	31.3	2.2	2.3		9.5	
198	WRA3	В	MID-EBB	9-Feb-07	10.01	20.00	20.0	6.84	6.83	6.84	91.2	90.9	7.7	31.2	2.1	2.1	2.2	6.5	7.0
199	WWFCZ1	S	MID-EBB	9-Feb-07	-		20.1	6.72	6.63	0.04	90.1	89.9	7.7	31.1	2.4	2.1	2.2		7.0
-	WWFCZ1	M	MID-EBB	9-Feb-07	16:13	40.50	20.0	6.12	6.15	6.41	82.1	81.1	7.7	31.3	2.5	2.5		5.5	
	WWFCZ1	8	MID-EBB	9-Feb-07	10.10	40.50	19.9	7.06	7.05	7.06	87.9	88.2		31.4				6.0	
	WWFCZ2	S	MID-EBB	9-Feb-07	_	-	20.0	6.50	6,52	7.06	84.5	84.7	7.7		2.0	2.1	2.3	12.5	0.8
	WWFCZ2	M	MID-EBB	9-Feb-07	16:28	40.30	19.9	6.20	6.19	6.35	84.5		7.7	31.3	1.6	1.7		7.0	
204	WWFCZ2	B	MID-EBB	9-Feb-07	10.20	40.30	20.0	6.72				84.0	7.7	31.4	1.9	1.8	202	12.0	0.00
	WFCZR1	S	MID-EBB	9-Feb-07		-	20.0		6.79	6.76	85.8	86,2	7.7	31,3	3.6	3.5	2.3	8.0	9.0
205	WFCZR1	M	MID-EBB	9-Feb-07	16:00	41.50	19.9	6.29	6.12		85.9	85.4	7.7	31.2	1.8	1.6		5.0	
-			The state of the s		10,00	41,50				6.26	85.7	84.8	7.7	31.4	2.3	2.4	200	5.5	42425
207	WFCZR1 WFCZR2	В	MID-EBB MID-EBB	9-Feb-07 9-Feb-07		\rightarrow	19.7	6.97	6.96	6,97	90.3	90.1	7.7	31.4	3.0	2.9	2.3	5.0	5.2
		S			16:40	40.90	20.0	6,56	6.53	1.12	88.1	87.9	7.7	31,3	4.1	4.3		5.5	
-	WFCZR2	M	MID-EBB	9-Feb-07	16:40	40,90	20.0	6.33	6.28	6.43	88.1	87.9	7.7	31.2	2.5	2.4	0.000	5.0	
210	WFCZR2	В	MID-EBB	9-Feb-07			20.0	7.10	7.08	7.09	92.5	92.8	7.7	31.3	2.2	2.3	3.0	6.0	5.5
211	WWA1	S	MID-FLOOD	9-Feb-07	40.00	7.00	20.1	6.81	6.78		90.9	90.7	7.6	30.8	2.5	2.7		7.5	
212	WWA1	M	MID-FLOOD	9-Feb-07	12:00	7.60	19.8	6.65	6,63	6.72	90.4	89,8	7.6	31.1	2,8	2.6		10.0	
213	WWA1	В	MID-FLOOD	9-Feb-07			19.5	7.00	6.98	6.99	92.7	92.5	7.6	31.5	2.7	2.9	2.7	9.5	9.0
214	WWA2	S	MID-FLOOD	9-Feb-07			20.0	7.04	7.00		94.0	93.7	7.6	30.9	2.5	2.8		5.0	
215	WWA2	M	MID-FLOOD	9-Feb-07	12:11	7.10	19,7	6.54	6,52	6.78	86.7	86.4	7.6	31.4	3.1	3.3		7.0	
216	WWA2	В	MID-FLOOD	9-Feb-07			19.5	6.32	6.35	6.34	83.9	82.6	7.6	31.6	3.9	3.8	3.2	7.0	6.3
217	WWA3	S	MID-FLOOD	9-Feb-07			19.7	6.97	6.95	Unicasies:	92.7	92.4	7.6	31.1	3.0	2.8		13.5	
218	WWA3	М	MID-FLOOD	9-Feb-07	12:25	7.50	19.6	6.91	6.96	6.95	89.5	89.6	7.6	31.1	2,5	2.8		11.0	
219	WWA3	В	MID-FLOOD	9-Feb-07			19.7	7.00	7.01	7.01	91.6	91.1	7.6	31.5	2.3	2.3	2.6	9.5	11.3
220	WRA1	S	MID-FLOOD	9-Feb-07	0.001081081	5.0000000000000000000000000000000000000	19.3	6.85	6.80	K1603005	91.8	91.4	7.6	31.5	2.1	2.3		17.0	
221	WRA1	M	MID-FLOOD	9-Feb-07	11:45	33.50	19.3	6.62	6.60	6.72	86.3	86,2	7.6	31.6	2.9	2.8		15.0	

G enviproject/24583 env_data marine impact Data Evaluation/morthlyly

Page 5 of 15

	DESERTED.		U.576110161		E310224	145103		WHEEL BUILDING		Carried Street	DO, %	DO, %	1	STATE OF	C 0-347	(100)	NTU,	(SS,
Lab	1	Danillan	3500	C	-	Water	Temp	DO, mg/L			saturation	saluration			Turbidily,	Turbidity,	Averaged	Suspended	
1D 222	Location WRA1	B	Tide MID-FLOOD	Sampling Date 9-Feb-07	Time	depth, m	°C 19.3	(1)	(2)	DO, Average value		(2)	_	Salinity, ppt	NTU (1)	NTU (2)	Value	Solid, mg/L	Value
223	WRA2	S	MID-FLOOD	9-Feb-07	-		19.3	6.63	6.62	6,63	86.0	85.9	7,6	31.7	3,2	3.2	2,7	27.5	19.8
224	WRA2	M	MID-FLOOD	9-Feb-07	11:32	31.80	19.2			0.00	90.6	90.3	7.6	31,5	1,6	1.8		5.0	
225	WRA2	B	MID-FLOOD	9-Feb-07	11:32	31,00		6,38	6.37	6.52 5.78	86.4	85.5	7.6	31.7	3,1	3.3		5.5	
226	WRA3	S	MID-FLOOD	9-Feb-07	-		19.2	6,77	6,79	6.78	86.5	87,2	7,6	31,8	2.8	2.8	2.6	6,5	6.0
227	WRA3	M	MID-FLOOD		*4.00	30.70	19,5	6.41	6.42		86.1	85.3	7,6	31.7	2.5	2.6		10.0	
228	WRA3	B	MID-FLOOD	9-Feb-07	11:20	30.70	19_4	6,53	6.54	6.48	88.5	88.0	7,6	31.7	2.8	3.0		9,5	
229	WWFCZ1	S	MID-FLOOD	9-Feb-07 9-Feb-07			19.2	6.92	6.91	6.92	89.4	89,4	7.6	31.9	2.2	2.4	2,6	5,0	8.2
	WWFCZ1	M	MID-FLOOD		40.50	44.30	19.4	6,13	6.12		81,4	81,3	7.6	31.3	2,6	2.7		5,5	
	WWFCZ1	В	MID-FLOOD	9-Feb-07	10:53	41.40	19.5	6.09	6.06	6.10	81.0	80,8	7.6	31.3	2,8	2.9		9.0	
				9-Feb-07		_	19.5	5.97	5.99	5.98	77.9	78.0	7.6	31.3	2,2	2.4	2,6	9.5	8,0
	WWFCZ2	S	MID-FLOOD	9-Feb-07	40.12	40.00	19.8	6.79	6.76		89,5	89,4	7.6	30,6	1.7	1.9		7.0	1
233	WWFCZ2	M	MID-FLOOD	9-Feb-07	10.41	40,90	19.4	6,36	6.33	6.56	85,8	85,5	7.6	31,2	1.8	1.8		8,5	
	WWFCZ2	В	MID-FLOOD	9-Feb-07			19.3	6.50	6.49	6.50	85,2	85,3	7,6	31.5	2.0	2.0	1.9	7.0	7.5
	WFCZR1	S	MID-FLOOD	9-Feb-07	44.00	44.70	20.0	6.78	6.79		91.1	90,6	7.6	31.4	1.9	1.8		7.0	
	WFCZR1	M	MID-FLOOD	9-Feb-07	11:06	41.70	19.7	6.61	6.62	6.70	87.9	87.4	7,6	31.3	2.3	2.4		8.5	
237	WFCZR1	В	MID-FLOOD	9-Feb-07			19.2	6.65	6,64	6.65	87.0	87.1	7.6	31.8	3,0	2.9	2.3	7.5	7.7
238	WFCZR2	S	MID-FLOOD	9-Feb-07	100000		19.3	6_08	6.07		79.7	79.6	7.6	31,7	3.3	3.2		9.5	
239	WFCZR2	M	MID-FLOOD	9-Feb-07	10:30	41,30	19.3	6.39	6.38	6,23	84.3	84.1	7.6	31.6	2.5	2.5		8.5	1
240	WFCZR2	В	MID-FLOOD	9-Feb-07			19.3	6.92	6.90	6.91	89.8	90.0	7,6	31.7	2.3	2.3	2.7	14.5	10 B
241	WWA1	S	MID-EBB	12-Feb-07		1200	19.8	5.70	5.64		79.6	78.6	8,0	32.1	2.2	2.2		6.0	
242	WWA1	M	MID-EBB	12-Feb-07	18:39	7.50	19.8	5.90	5.89	5.78	78.9	78.7	B.0	32.1	1.7	1.9		10.5	1
243	WWA1	В	MID-EBB	12-Feb-07			19.8	6.13	6.10	6.12	83.1	82.1	8.0	32.1	1.9	2.1	2.0	8.5	8.3
244	WWA2	S	MID-EBB	12-Feb-07			19.8	5.74	5.69		79.6	78.5	8.0	32.1	1.5	1.8		7.5	
245	WWA2	M.	MID-EBB	12-Feb-07	18:49	7.10	19.7	5.81	5.83	5.77	76.3	76.1	8.0	32.2	3.7	1.7		12.0	į.
246	WWA2	В	MID-EBB	12-Feb-07			19.7	5,93	5,89	5,91	81.2	80.1	8.0	32.1	2,9	1,3	2.1	6.0	8.5
247	VVVVA3	S	MID-EBB	12-Feb-07	1		20.0	5.54	5,58		78.5	74.1	0,8	32.1	1.2	1.7		5.5	
248	WWA3	M	MID-EBB	12-Feb-07	18:59	7.20	20.0	5.95	5.98	5.76	77.5	77.9	8.0	32.1	1.4	1.3		12.0	ľ
249	EAWW.	B .	MID-EBB	12-Feb-07			19.9	5.64	5.60	5.62	77.1	76.3	8.0	32.1	1.4	1.5	1.4	7.0	8.2
250	WRA1	S	MID-EBB	12-Feb-07			19.5	5.98	5.94		80.2	80.0	8.0	31.5	1.6	2.5		5.0	
251	WRA1	M	MID-EBB	12-Feb-07	18:28	32.70	19.5	5.92	5.91	5.94	78.2	78.3	8.0	32.1	1.3	1.5		8.5	ĺ.
252	WRA1	В	MID-EBB	12-Feb-07			19.5	6.16	6.13	6.15	82.4	81.9	8.0	32.3	1.6	2.7	1.9	7.0	6.8
253	WRA2	S	MID-EBB	12-Feb-07			19.7	5.67	5.66		75.8	75.3	8.0	32.3	0.9	1.0		6.0	
254	WRA2	M	MID-EBB	12-Feb-07	18:18	31,80	19.6	5.80	5.84	5.74	82.9	83.0	8.0	32.3	1.3	1.3		10.0	
255	WRA2	В	MID-EBB	12-Feb-07		1	19.5	5,99	5.97	5.98	80.5	80.0	8.0	32.3	1.3	1.5	1.2	7.5	7.8
256	WRA3	S	MID-EBB	12-Feb-07			19.7	5.72	5.70		75.7	75.6	8.0	32.0	1.0	1.1		6.5	
257	WRA3	M	MID-EBB	12-Feb-07	18:09	30.90	19.6	5.84	5.81	5.77	79.4	78.7	8.0	32.1	1.0	1.2		13.0	Ď.
258	WRA3	В	MID-EBB	12-Feb-07		0.00	19.5	5.99	6.01	6.00	80.6	81.7	8.0	32.2	2.5	3.2	1.7	7,5	9.0
259	WWFCZ1	S	MID-EBB	12-Feb-07			19.8	6.08	6.09		77.2	77.3	8.0	32.0	1.5	1.5		6.5	3.0
	WWFCZ1	М	MID-EBB	12-Feb-07	17:41	40.20	19.7	6,45	6.46	6.27	82.0	81.9	8.0	32.1	1.2	1.3		11.5	1
	WWFCZ1	В	MID-EBB	12-Feb-07			19.5	6.11	5.98	6.05	82.7	81.2	8.0	32.2	1.4	1.5	1.4	10.0	9.3
	WWFCZ2	S	MID-EBB	12-Feb-07			19.6	5.57	5.56	0,00	73.7	73.8	8.0	32.1	1.1	1.2	1.4	5.0	9.0
	WWFCZ2	М	MID-EBB	12-Feb-07	17:52	40.30	19.6	5.70	5.69	5,63	77.7	76.7	8.0	32.2	1.4	1.7		7.5	
	WWFCZ2	В	MID-EBB	12-Feb-07			19.6	6.14	6.13	6.14	83.3	82.B	8.0	32.3	1.4	1.5	4.4	8.0	6.8
_	WFCZR1	S	MID-EBB	12-Feb-07	_		20.0	5.84	5.80	0,14	76.3	75.7	8.0	32.1	1.6	1.5	1.4	7.5	0.0

	HELV. N	diversit	2000 1100	almustics.	31.04	4 7 M	Temp.		D0 II	seconde	DO, % saturation	DO, %	LEGIS.	The Later	Turbidity.	Turbidity.	NTU, Averaged	Suspended	SS, Averaged
Lab	Location	Position	Tide	Sampling Date	Time	Water depth, m	°C	DO, mg/L (1)	DO, mg/L (2)	DO, Average value	(1)	(2)	pH, Unit	Salinity, ppt	NTU (1)	NTU (2)	Value	Solid, mg/L	Value
ID	_		MID-E8B	12-Feb-07	17:30	41.20	20.0	5.75	5.74	5.78	75,3	73.6	8,0	32.3	1.6	1.7		9.5	
266	WFCZR1	M	MID-EBB	12-Feb-07	17,50	41,20	19.8	5.49	5.48	5.49	69.9	69,8	8.0	32.3	1.5	1.7	1.6	9.5	8.8
267	WFCZR1	B	MID-EBB	12-Feb-07		_	19.6	5,97	5,95		80,7	80.2	8.0	32.2	1.4	1.3		9.0	
268	WFCZR2		MID-EBB	12-Feb-07	17:59	40.70	19.5	5.91	5,86	5.92	80,9	80.3	8.0	32.2	1.5	1.4		8,0	
269	WFCZR2		MID-EBB	12-Feb-07	17.00	1011	19.6	6.23	6.22	6.23	83,1	82.9	8.0	31.8	1.8	1.9	1.5	11,0	9,3
270	WFCZR2	В		12-Feb-07	-	_	19.6	5.69	5,67		75.4	75.2	8.0	31.6	2,3	2.4		7,5	
271	WWA1	S	MID-FLOOD	12-Feb-07	14:15	7.90	19.5	6.27	6.22	5.96	83.4	83,3	8.0	32.0	1.8	1.7	l .	0.8	1
272	WWA1	M	MID-FLOOD	12-Feb-07	14.10	1.00	19.5	5.73	5.71	5.72	76.4	75.9	8.0	31.9	1.9	2.1	2.0	10.0	8_5
273	WWA1	В	MID-FLOOD		-		19.5	6.08	6.07	2.7.0	82.4	81.0	8.0	31.9	1,6	1.7		13.0	
274	WWA2	S	MID-FLOOD	12-Feb-07	14:27	7.50	19,4	5.92	5.93	6.00	77.2	77.4	8.0	31.1	2.8	2.7	1	13.5	
275	WWA2	M	MID-FLOOD	12-Feb-07	14.27	1,30	19.5	5.76	5.73	5.75	78.2	77.6	8.0	31.6	4.2	4.1	2,9	14.5	13.7
276	WWAZ	В	MID-FLOOD	12-Feb-07			19.7	6.09	6.10	0,10	80.1	79.9	0.8	31.7	1.4	1,5		11.5	
277	WWA3	S	MID-FLOOD	12-Feb-07	14:40	7.70	19,5	6.28	5.24	6.18	83.5	83.4	8.0	31.8	1.5	1.6	1	13.5	i
278	WWA3	M	MID-FLOOD	12-Feb-07	14:40	7,70	19.5	6.21	6.18	6.20	82.4	82.0	8.0	31.9	1.5	1.5	1.5	20.5	15,2
279	WWA3	В	MID-FLOOD	12-Feb-07		_	19.5	6.37	6.30	0,20	90.0	89.1	8.0	31.7	2.1	2.1		7.5	
280	WRA1	S	MID-FLOOD	12-Feb-07	44.05	33.90	19.5	5.31	5.29	5.82	71.4	71.1	8.0	32.1	2.5	2.6	1	6.0	1
281	WRA1	M	MID-FLOOD	12-Feb-07	14:05	33,90		6.08	6.06	6.07	81,0	80.7	8.0	32.2	2.0	1.8	2.2	12.5	8.7
282	WRA1	В	MID-FLOOD	12-Feb-07			19.3	5.65	5.60	0,07	76.2	75.4	8.0	32.1	1.3	1.4		7.0	
283	WRA2	\$	MID-FLOOD	12-Feb-07	40.50	32.60	19.4	5.83	5.72	5.70	78.7	78.2	8.0	32.1	1.5	1.6	1	7.5	1
284	WRA2	M	MID-FLOOD	12-Feb-07	13:56	32.00	19.4	6.10	6.06	6.08	83.2	82.5	8.0	32.1	1,5	1.5	1.4	5.5	6.7
285	WRA2	В	MID-FLOOD	12-Feb-07	_		19.4		5.20	0,00	76.0	76.3	8.0	32.1	1.2	1.4		12.5	
286	WRA3		MID-FLOOD	12-Feb-07	ا م. ما	04.70	19.6	5.21	5.46	5.34	72.2	72.0	8.0	32.1	1,2	1.3	1	5.0	1
287	WRA3	M	MID-FLOOD	12-Feb-07	13:45	31.70	19.5	5.48	5,36	5,37	74.0	73.6	8.0	32.2	2,3	2.4	1.6	6.0	7.8
288	WRA3	В	MID-FLOOD	12-Feb-07			19.4	5,38	5,50	5,51	70.0	69.9	8.0	31.7	1.5	1.6		6.0	
289	WWFCZ1	S	MID-FLOOD	12-Feb-07			19.7	5,51	5,50	5.46	68.7	68.5	8.0	32.0	1.5	1.6	1	8.0	1
290	WWFCZ1	1 M	MID-FLOOD	12-Feb-07	13:12	41_10	19,4	5.43	5.38	5,39	68.4	68.0	8.0	32.0	1.4	1.6	1.5	7.0	7.0
291	WWFCZ1	1 B	MID-FLOOD	12-Feb-07	-		19.4	5,39		5,39	65.5	65.4	8,0	31.9	1.3	1.4		5,5	
292	WWFCZ2		MID-FLOOD	12-Feb-07			19.5	5.45	5.42	5.43	63.9	63.9	8.0	32.1	1.6	1.7	1	9.0	1
293	WWFCZ2		MID-FLOOD	12-Feb-07	13:24	40.80	19.5	5.40	5.34	5,36	66.6	66.5	8.0	32.1	1.5	1.5	1.5	6,5	7.0
294	WWFCZ2		MID-FLOOD	12-Feb-07			19,4	5,38		5,36	69.5	68.9	8.0	31.9	1.8	1.9	1	11.0	
295	WFCZR1		MID-FLOOD	12-Feb-07			19.8	5,99	5.98	5.85	72.8	72.7	8.0	32.2	1.7	1.9	1	6.5	1
296	WFCZR1		MID-FLOOD	12-Feb-07	13:00	41.50	19.5	5.71	5.70	5.69	72.0	71.9	8.0	32,3	1.8	1.8	1_B	6.0	7.8
297	WFCZR1		MID-FLOOD	12-Feb-07			19,3	5.69	5.68	2,09	67.3	67.2	8.0	32.1	2.1	2.1		5.0	
298	WFCZR2		MID-FLOOD	12-Feb-07		44.00	19.5	5,33	5.32	5,37	67.9	67.B	8.0	32.1	2.2	2.5	1	6.5	1
299	WFCZR2		MID-FLOOD	12-Feb-07	13:34	41.60	19.5	5.40	5.57	5,57	70.1	70.0	8.0	32.1	1.8	1.8	2.1	5.0	5.5
300	WFCZR2		MID-FLOOD	12-Feb-07		_	19.4			2.31	61.2	79.8	8.1	32.1	1.4	1.5		17.0	
301	WWA1	S	MID-EBB	14-Feb-07	40.00	000	20.6	5.67	5,61	5.78	81.1	80.8	8.1	32.1	2.1	2.1	1	7.5	1
302	WWA1	M	MID-EBB	14-Feb-07	13:59	6,80	20.4	5.95	5.90	6.00	83.9	83.1	8.1	32.1	2.0	2.1	1,9	8.0	10.8
303	WWA1	В	MID-EBB	14-Feb-07	-		20.3	6.03	5.97	0,00	84.3	82.9	8.1	31.9	1.3	1.4		10.5	
304	WWA2		MID-EBB	14-Feb-07		340	20.8	5,85	6.07	5.96	85.1	84.3	8.1	31.9	2.1	2.1	1	6.0	1
305	WWA2	M	MID-EBB	14-Feb-07	14:08	7.10	20.7	6,13		5.88	83.5	82.5	8.1	32.0	2.4	2.4	2.0	9.5	8.7
308	WWA2	В	MID-EBB	14-Feb-07	_		20.7	5.91	5,85	3,00	85.0	83.6	8.1	32.0	1.4	1.4	1	7.0	
307	WWA3	S	MID-EBB	14-Feb-07	1	7.00	20.5	5.92	5.70	- 500	83.7	82.2	8.1	32.0	2.2	2.3	1	5.5	1
308	WWA3	M	MID-EBB	14-Feb-07	14:20	7,20	20.2		5.97	5,90	84.4	83.2	8.1	32.1	1.8	1.7	1.8	5.5	6.0
309	WWA3	В	MID-EBB	14-Feb-07	_		20.1	6.07	5,99	0,03	85.0	83.3	8.1	32.0	1.2	1.3	1	8.5	1
310	WRA1	S	MID-EBB	14-Feb-07			20.0	6.08	5,99	1	05.0	03.3	0.1	1 32.0	1 1000	1	_		4

G, env-project/24583/env_data marine impact/Data Evaluation/monthly/

Page 7 of 15

Lab	2530					Water	Temp	DO, mg/L	DO, mg/L		DO, % saturation	DO, %	1	The Res	Turbidity,	Turbidity,	NTU, 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
311	WRA1	M	MID-EBB	14-Feb-07	13:47	32.50	20.0	5.77	5.69	5_88	81.9	80.6	8.1	32.0	2.7	2.5		12.0	
312	WRA1	В	MID-EBB	14-Feb-07	187		19.9	6.06	6.02	6.04	82.3	82.1	8.1	32.0	2,4	2.4	2.1	11.5	10.7
313	WRA2	S	MID-EBB	14-Feb-07			20.3	6.10	6.04		84.5	83.6	8.1	32.0	1.9	1.8		8.5	
314	WRA2	M	MID-EBB	14-Feb-07	13:35	30.90	20.0	6.09	6,03	6.07	83,6	82.9	8.1	32.0	1.9	1.9		9.0	2.5
315	WRA2	В	MID-EBB	14-Feb-07			20.0	6.02	5,96	5.99	84.7	83.6	8.1	32.0	1.6	1,6	1.8	8.5	8.7
316	WRA3	S	MID-EBB	14-Feb-07			20.4	6.08	6.00		83.9	83,0	8.1	32.0	1.5	1.5		7.0	
317	WRA3	М	MID-EBB	14-Feb-07	13:20	29.60	20.1	6.09	6.03	6.05	84.3	83.5	8.1	32.0	2.5	2.6		5,5	
318	WRA3	В	MID-EBB	14-Feb-07			20,1	6.24	6.18	6.21	85,7	85.1	8.1	31.9	3.4	3,4	2.5	5.5	6.7
319	WWFCZ1	S	MID-EBB	14-Feb-07			20,4	5.83	5.81		76,9	78.2	6.1	31.8	1,5	1,5		6.0	
	WWFCZ1	M	MID-EBB	14-Feb-07	12.44	39,80	20.0	5.97	5.95	5.89	80.1	80.2	8.1	30.6	1.2	1.5		5.0	
	WWFCZ1	В	MID-E88	14-Feb-07	1.875		19.9	6.00	5.96	5.98	80,6	80.5	8.1	32.0	1.1	1.2	1.3	6.0	5.7
	WWFCZ2	Š	MID-EBB	14-Feb-07			20.6	5.96	5.91		83.2	82.9	8.1	31.8	1.2	1.4		5,5	Į.
	WWFCZ2	M	MID-EBB	14-Feb-07	12:57	38.70	20.2	5.92	5,86	5.91	81.7	81.2	8.1	31.7	1.4	1.4		8.0	
	WWFCZ2	B	MID-EBB	14-Feb-07			20.2	5.83	5.77	5.80	80.5	78.7	B.1	31.9	1.5	1.5	1.4	7.0	6.8
	WFCZR1	S	MID-EBB	14-Feb-07			21.2	5,63	5,61		79.5	78.3	8.1	31.8	2.6	2.6		22:0	ł
	WFCZR1	М	MID-EBB	14-Feb-07	12:30	39.50	20.5	5.54	5,51	5.57	77.5	77.1	8.1	31.8	1.4	1.5		9.0	4
	WFCZR1	В	MID-EBB	14-Feb-07			20.1	5.59	5.57	5.58	78.3	78.1	8.1	31.9	1.6	1.4	1.8	5.5	12.2
328	WFCZR2	S	MID-EBB	14-Feb-07			20.7	5.75	5.63		78.9	78,3	8.1	31.7	1.1	1.1		6.5	4
329	WFCZR2	М	MID-EBB	14-Feb-07	13:08	39.10	20.3	5.71	5.68	5.69	79.6	78,7	8.1	31.8	1,6	1.6		8.5	
330	WFCZR2	В	MID-EBB	14-Feb-07			20.1	5.68	5.65	5.67	77.4	76.7	8.1	31.9	1.8	1.8	1.5	8,5	7.B
331	WWA1	S	MID-FLOOD	14-Feb-07			20,3	5.90	5.81		85,0	83.7	8.1	32.2	1.6	1,6		5,0	4
332	WWA1	M	MID-FLOOD	14-Feb-07	10:24	7.10	20.0	5.91	5.84	5.87	84.0	82.8	8.1	32.2	2.2	2.5		5,0	4
333	WWA1	B	MID-FLOOD	14-Feb-07	1		20.0	6.12	6.03	6.08	86.3	85.5	8.1	32.1	2.3	2.4	2.1	13.0	7.7
334	WWA2	S	MID-FLOOD	14-Feb-07			20.6	5.83	5.75		62.9	81,8	8.1	32.2	1.5	1.6		5.0	4
335	WWA2	M	MID-FLOOD	14-Feb-07	10:36	7.20	20.4	5.85	5.77	5.80	84.1	82.5	8.1	32_1	2.1	2,2	1	5.0	4
336	WWA2	В	MID-FLOOD	14-Feb-07	100		20.1	5.91	5.84	5.88	82.3	81.9	8.1	32.1	2.4	2,4	2.0	6.5	5.5
337	WWA3	S	MID-FLOOD				20.3	5.90	5.81		84.6	83.3	8.1	32.1	1.6	1.8	1	15.0	4
338	WWA3	М	MID-FLOOD		10:49	7.30	19.9	5.94	5.86	5,88	83.9	82.5	8.1	32.1	2,3	2.4		6.5	
339	WWA3	В	MID-FLOOD				19.9	5.95	5.88	5.92	84.8	83.8	8.1	32.1	2,0	1.8	2.0	11.0	10,8
340	WRA1	S	MID-FLOOD				20.0	6.17	8.12		82,9	82.6	8,1	32.2	1.5	1.6		5.0	4
341	WRA1	M	MID-FLOOD	14-Feb-07	10:12	32.60	20.0	6.31	6.16	6.19	89.4	87.4	8.1	32.2	2,7	2.7	1	10.0	4
342	WRA1	В	MID-FLOOD	14-Feb-07			19.9	6.16	6.08	6.12	85.4	84.4	8.1	32.2	2,5	2.5	2.3	7,5	7.5
343	WRA2	Ŝ	MID-FLOOD	14-Feb-07			20.1	5.76	5.73		76,5	76.3	8.1	31.9	2,0	1.8		5.5	-
344	WRA2	M	MID-FLOOD	14-Feb-07	9:59	31.70	19.9	5.83	5.79	5.78	77.5	77.3	8,1	32.2	1.8	1,6	1	10.0	-
345	WRA2	B	MID-FLOOD		1		19.9	5.65	5.58	5,62	76.1	75.4	8.1	32.2	1.7	1.7	1.8	6.0	7.2
346	WRA3	Ŝ	MID-FLOOD				20.2	5.89	5.81		82.1	80.9	8.1	32.2	1.5	1.9		8.5	-
347	WRA3	M	MID-FLOOD		9:50	30_90	20.3	5.75	5.71	5.79	80,5	79.6	8.1	31.9	2.1	2.3	1	8.0	4
348	WRA3	B	MID-FLOOD		1.3225		19.9	5,65	5.61	5.63	80.5	78.6	8.1	32.1	2.8	2.7	2.2	6.0	7.5
349	WWFCZ1	S	MID-FLOOD		1	-	20.5	5.76	5.65		75.3	74.2	8.1	31.9	1.8	1.8		17.5	4
350	WWFCZ1	M	MID-FLOOD		9.13	40.10	20.0	5.46	5.45	5.58	72.8	71.9	8.1	32.1	1.5	1.7		6.0	1
351	WWFCZ1		MID-FLOOD		1		19.9	5.44	5.40	5.42	72.9	72.7	8.1	32.2	1,8	1.8	1.7	16.0	13,2
352	WWFCZ2		MID-FLOOD				20.3	5.59	5.53		76.2	75.7	8,1	31.9	1.5	1.6		5,0	
353	WWFCZ2		MID-FLOOD		9:25	39.60	19.9	5.56	5.52	5.55	78,3	77.5	8.1	32.2	1.6	1.6	_	7,5	_
354	WWFCZ2		MID-FLOOD		1		20.1	5.48	5.46	5.47	75.8	75.3	8.1	32.2	1.6	1.6	1.6	7.0	6,5
355	WFCZR1		MID-FLOOD				20.7	6.34	6.31		79.1	78.2	8.1	31.7	2.4	2.5		8.5	

Lab	Close.	BASS!			SUL.	Water	Temp.	DO, mg/L	DO, mg/L		DO, % saturation	DO, %	141	AT MES	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	Safinity, ppt	NTU (1)	NTU (2)	Value	Solid, mg/L	Value
356	WFCZR1	M	MID-FLOOD	14-Feb-07	9:00	40,80	20.3	5.62	5.58	5.96	76.5	76.2	8.1	32.3	2.6	2.6		10.5	
357	WFCZR1	В	MID-FLOOD	14-Feb-07	1		20.1	5,83	5.72	5.78	71.5	71.5	8.1	32.2	2.0	1.8	2.3	12,0	10.3
358	WFCZR2	S	MID-FLOOD	14-Feb-07			20.1	6.01	5.87		83.2	79.1	8.1	31.8	1.3	1.6		9.5	10.0
359	WFCZR2	M	MID-FLOOD	14-Feb-07	9:38	40.30	20.0	5,65	5,61	5,79	74.7	73.B	8,1	31.7	2.1	2.1		7.0	į.
360	WFCZR2	В	MID-FLOOD	14-Feb-07	1	1	20.0	6.12	6.05	6,09	81.5	80.3	8.1	32.1	2.4	2.5	2.0	9.0	8.5
361	WWA1	S	MID-EBB	16-Feb-07			20.7	5.92	5.87		64.9	83.1	7.4	31,9	3,3	3.3		13.0	
362	WWA1	M	MID-EBB	16-Feb-07	14:23	6,80	20.3	5.50	5.77	5,77	80.1	80.0	7.4	32.0	3.7	3.7		6.5	i .
363	WWA1	В	MID-EBB	16-Feb-07			20.3	5.64	5.62	5.63	74.6	73.9	7.4	32.0	3.1	3.3	3.4	11.5	10.3
364	WWA2	S	MID-EBB	16-Feb-07			20.3	5,86	5_71		82.3	82.0	7.4	31.8	4.0	3,9		10.0	
365	WWA2	M	MID-EBB	16-Feb-07	14:38	7.10	20.3	5,63	5,52	5.68	82.9	83.5	7.4	32.0	3.9	3.9		17.0	1
366	WWA2	В	MID-EBB	16-Feb-07			20.3	6.05	6.04	6.05	77.3	77.0	7.4	32.0	3.0	2.8	3.6	10.5	12.5
367	WWA3	S	MID-EBB	16-Feb-07			20.8	5.71	5.70		73.6	73.5	7.4	31.7	3.0	2.9		16.5	12.0
368	EAWW	M	MID-EBB	16-Feb-07	14:50	6,90	20.5	6,00	5,99	5.85	78.6	78.4	7.4	31.8	3.2	3.2		9.5	į.
369	WWA3	В	MID-EBB	16-Feb-07		1 1	20.5	5.97	5,95	5.96	77.6	77.1	7.4	31.8	3.9	3.9	3.3	8.5	11.5
370	WRA1	S	MID-EBB	16-Feb-07			20.2	5,93	5.87		78.0	77.4	7.6	31.8	3,5	3,6		7,5	
371	WRA1	M	MID-EBB	16-Feb-07	14:15	33,30	20.3	5.80	5,73	5.83	77.2	76.2	7.6	31.9	2.2	2.4		5.5	i l
372	WRA1	В	MID-EBB	16-Feb-07		77	20.2	5,52	5.48	5.50	83.5	82.0	7.6	31.9	3.9	3.8	3.2	5.0	6.0
373	WRA2	S	MID-EBB	16-Feb-07			20.2	6.02	6.01		78.2	77.0	7.6	31.8	2.4	2.4		5.0	
374	WRA2	M	MID-EBB	16-Feb-07	14:03	31.70	20.2	5.84	5,83	5,93	77.0	76.5	7.6	32.0	2.8	2.9		8.0	ř
375	WRA2	В	MID-EBB	16-Feb-07			20.2	5.90	5,92	5.91	74.2	74.0	7.6	32.0	2.2	2.2	2.5	6,5	6.5
376	WRA3	S	MID-EB8	16-Feb-07			20.3	6.04	6,01		78.5	78.3	7.6	31.7	2.8	2.8		5.5	
377	WRA3	M	MID-EBB	16-Feb-07	13:50	30,90	20.2	5.94	5,87	5.97	82.T	81.8	7.6	32.0	2,5	2.6		6.0	į.
378	WRA3	В	MID-EBB	16-Feb-07			20.1	5.90	5,75	5.83	81.3	81.2	7.6	32.0	2.6	2.6	2.7	8.0	6.5
379	WWFCZ1	S	MID-EBB	16-Feb-07			20.4	5.94	5.89		78.7	77.9	7.5	31.7	2.2	2.4		7.0	
380	WWFCZ1	M	MIO-EBB	16-Feb-07	13:25	40.80	20.2	5.52	5.49	5.71	73.7	73.6	7.5	31.9	2.6	2.6		5.5	
381	WWFCZ1	В	MID-EBB	16-Feb-07			20.2	5.54	5.51	5.53	74.6	74.0	7.5	31.9	2.6	2.8	2.6	6.0	6.2
382	WWFCZ2	S	MID-EBB	16-Feb-07			20.3	6.09	6.05		80.7	80.1	7.5	31.8	2.0	1.9		9.0	
383	WWFCZ2	M	MID-EBB	16-Feb-07	13:13	39.70	20_3	5.89	5.B0	5.96	74.0	73.3	7.5	31.8	2.6	2.6		5.5	į l
384	WWFCZ2	В	MID-EBB	16-Feb-07	1 1	Ì	20.2	5.88	5.87	5,88	76.2	75.4	7.5	32.0	2.3	2.4	2.3	13.0	9.2
385	WFCZR1	\$	MID-EBB	16-Feb-07			20.3	5.93	5,88		76.7	76.6	7.5	31.8	2.3	2.3		10.5	
386	WFCZR1	M	MID-EBB	16-Feb-07	13:38	41,20	20.2	5.94	5.86	5,90	75.0	74.3	7.5	31.9	2.7	2.8		5.0	i II
387	WFCZR1	В	MID-EBB	16-Feb-07			20.1	5.76	5.67	5.72	77.4	77.1	7.5	31.9	2.2	2.4	2.4	5.0	6.8
388	WFCZR2	S	MID-EBB	16-Feb-07			20.3	5.56	5,57		81,2	81.3	7.5	31.8	2.7	2.7		5.5	
389	WFCZR2	M	MID-EBB	16-Feb-07	13:00	41,30	20.3	5.77	5,62	5.63	82.7	82.6	7.5	31.9	2.9	2.7		5.0	1
390	WFCZR2	В	MID-EBB	16-Feb-07			20.3	5.49	5.41	5.45	75.9	73.9	7.5	31.9	2.8	2.7	2.7	5.0	5.2
391	WWA1	S	MID-FLOOD	16-Feb-07			20.1	6,06	6.05		78.5	78.0	7.5	32.2	3.1	3.2		6.5	
392	WWA1	M	MID-FLOOD	16-Feb-07	9:38	7.30	20.1	5,59	5,56	5.82	75.4	75.2	7.5	32.2	3.3	3.4		8.5	
393	WWA1	В	MID-FLOOD	16-Feb-07			20.2	6.11	6,12	6.12	77.7	77.7	7.5	32.2	3.3	3.4	3.3	6.5	7.2
394	WWA2	S	MID-FLOOD	16-Feb-07			20.1	6.25	6.26		78.7	78.8	7.5	32.2	4.1	4.2		8.0	
395	WWA2	М	MID-FLOOD	16-Feb-07	9;50	7.40	20.2	5.54	5.44	5.87	76.8	76.2	7.5	32.1	4.1	4.2		6.5	. II
396	WWA2	В	MID-FLOOD	16-Feb-07		Ì	20.1	5,90	5.87	5,89	82.4	82.1	7.5	32.2	3.9	3.9	4.0	5.0	7.5
397	WWA3	S	MID-FLOOD	16-Feb-07			20.1	6,11	6,10		80.0	79.1	7,5	32.0	3.1	3.2		6.5	
398	WWA3	M	MID-FLOOD	16-Feb-07	10:06	7,20	20.1	5.86	5.79	5.97	83.0	82.7	7.5	32.2	3,3	3.1		10.0	
399	WWA3	В	MID-FLOOD	16-Feb-07			20.1	5,50	5.49	5,50	78.8	79.3	7.5	32.2	2.9	2.8	3.0	6.5	7.7
400	WRA1	S	MID-FLOOD	16-Feb-07		-	20.2	5.75	5.62		74.9	74.8	7.5	32.2	3.3	3.4		14.0	

G: env project 24583 env_data marine impact Data Evaluation monthly

Page 9 of 15

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	Turbidily, NTU (1)	Turbidity, NTU (2)	N7U, Averaged Value	Suspended Solid, mg/L	SS, Averaged Value
401	WRA1	M	MID-FLOOD	16-Feb-07	9:25	33,50	20.2	5,52	5,51	5,60	74.9	74.7	7.5	32.2	2,5	2,6		9.5	
402	WRA1	В	MID-FLOOD	16-Feb-07			20.2	5,49	5.47	5,48	75.2	74.8	7.5	32.2	3.3	3.2	3.0	10,5	11.3
403	WRA2	S	MID-FLOOD	16-Feb-07			20.1	6.00	5.98		79.9	79.3	7.5	32.2	2.6	2.6		18.0	
404	WRA2	ívi	MID-FLOOD	16-Feb-07	9:11	32,40	20.2	5,60	5.65	5,81	75.5	75.4	7.5	32.2	2.9	2.7		14.5	ľ.
405	WRA2	В	MID-FLOOD	16-Feb-07			20.1	5,98	5.73	5,86	76.9	76.2	7.5	32.2	2.3	2.3	2.6	17.5	16.7
406	WRA3	5	MID-FLOOD	16-Feb-07			20.2	5,89	5.86		75.5	75.4	7.5	32.2	3.0	2.9		13.5	
407	WRA3	M	MID-FLOOD	16-Feb-07	9:00	31.60	20.2	5.50	5.42	5,67	79.7	79.6	7.5	32.2	2.5	2.6		10.0	
408	WRA3	В	MID-FLOOD	16-Feb-07			20.1	6.00	6.01	6.01	81.8	80.5	7.5	32.2	3.1	3,1	2.9	13.0	12.2
409	WWFCZ1	S	MID-FLOOD	16-Feb-07			20.1	5.82	5.76		75.9	75.2	7.5	32.2	2.4	2.5		9.5	
410	WWFCZ1	M	MID-FLOOD	16-Feb-07	11:07	41,20	20.1	5,54	5.55	5.67	74.4	74.5	7.5	32.2	2.6	2.6		9.0	0
411.	WWFCZ1	В	MID-FLOOD	16-Feb-07			20.1	5.50	5.59	6.55	74.1	74.0	7.5	32.2	2.9	2.7	2.6	10.5	9.7
412	WWFCZ2	S	MID-FLOOD	16-Feb-07			20.1	5.50	5.50		75.4	75.3	7.5	31.9	1.8	1.9		20.5	
413	WWFCZ2	М	MID-FLOOD	16-Feb-07	10:34	40,50	20.1	5.58	5.57	5.54	75.2	75.1	7.5	32.0	2.2	2.3		17.0	6
414	WWFCZ2	В	MID-FLOOD	16-Feb-07			20.1	5.34	5.30	5.32	73.9	73.4	7.5	32.2	2.1	2.2	2.1	18.5	18.7
415	WFCZR1	S	MID-FLOOD	16-Feb-07			21.0	5.70	5.69		80.0	79.9	7.5	31.5	2.4	2.3		16.0	10.7
	WFCZR1	M	MID-FLOOD	16-Feb-07	10:58	41.90	20.2	5.57	5.56	5.63	77.9	77.8	7.5	32.2	2.7	2.5		16.0	
	WFCZR1		MID-FLOOD	16-Feb-07			20.2	5.72	5.61	5.67	76.8	76.6	7.5	32.0	2.4	2.4	2.4	8.5	13.5
	WFCZR2		MID-FLOOD	16-Feb-07			20.2	5.82	5.68	5.01	62.6	81.1	7.5	32.0	2.9	2.8	2,4	5.5	13.0
	WFCZR2		MID-FLOOD	16-Feb-07	10:20	41.70	20.1	5.77	5.72	5.75	78.3	74.6	7.5	32.0	2.9	2.8		5.0	
	WFCZR2	В	MID-FLOOD	16-Feb-07			20.1	5.52	5.50	5.51	75.5	75.4	7.5	32.1	3.1	3.1	2.9	5.5	5.3
421	WWA1	S	MID-EBB	21-Feb-07			21.1	5.70	5.67	3,51	76.0	73.7	7.5	31.2	3.7	3.9	2,9	9.5	2.3
422	WWA1	M	MID-EBB	21-Feb-07	15:36	7.30	21.1	5.56	5.50	5.61	71.4	70.6	7.5	31.2	4.3	4.2			
423	WWA1	B	MID-EBB	21-Feb-07	10.00	7.00	21.1	5.47	5.40	5.44	74.8	73.1						8.5	
424	WWA2	S	MID-EBB	21-Feb-07	_	_	21.1	5.75	5.68	5.44	70.5	68.0	7.5	31.2	4.5	4.5	4.2	9.0	9,0
425	WWA2	M	MID-EBB	21-Feb-07	15:50	7.50	21.1	5.52	5.49	F 04	76.5		7.5	31,3	3.5	3.4		8.0	1
426	WWA2	В	MID-EBB	21-Feb-07	15.50	1.50		5.60	5.48	5,61		74.9	7.5	31.3	4.2	4.2		7.0	W
427	WWA3	S	MID-EBB	21-Feb-07	_	_	21.1	5.95	5.92	5,54	72.4	71.6	7.5	31.3	3.6	3.5	3.7	6.0	7.0
428	WWA3	M	MID-EBB	21-Feb-07	16:04	7.20	21.4	5.87	5.92	5.00	69.1	68.7	7.5	31.2	3.6	3.5		7.5	1
429	WWA3	В	MID-EBB	21-Feb-07	10,04	7.20				5.90	69.8	69.2	7.5	31,3	4.0	4.0		9.0	10
430	WRA1	S			_		21.2	5.80	5.75	5.78	73.9	72.6	7.5	31.3	4.0	4.2	3.9	13.0	9.8
431			MID-EBB	21-Feb-07	45.00		21_9	5.82	5,79		67.5	67.3	7.5	31.1	4.7	4.5		10.0	
432	WRA1	M	MID-EBB	21-Feb-07	15 26	34.10	21.0	5.64	5.62	5.72	69.8	69.4	7.5	31.3	5.5	5.6	Lan 1	18.0	123
	WRA1	В	MID-EBB	21-Feb-07			20.9	5.41	5.40	5,41	71.2	70.4	7.5	31.4	4.8	4.7	4.9	8.5	12.2
133	WRA2	S	MID-EBB	21-Feb-07			20.9	5.55	5.50		75.0	73.7	7.5	31.2	3,4	3.6		16.0	
34	WRA2	M	MID-EBB	21-Feb-07	15:13	32.80	20.9	5.79	5.78	5.66	75.9	75.2	7.5	31.4	4.0	4.2		14.5	
435	WRA2	B	MID-E88	21-Feb-07			20.9	5.57	5.52	5.55	72.9	71.9	7.5	31.5	4.0	3.8	3.8	23.5	18.0
136	WRA3	S	MID-EBB	21-Feb-07			20.9	5.86	5.85		72.3	71.9	7.5	31.3	3.5	3.5		18.5	
37	WRA3	M	MID-EBB	21-Feb-07	15:00	31.70	20.9	5,80	5.74	5,81	79.5	75.9	7.5	31.3	2.8	3.0		21.5	
38	WRA3	B	MID-EBB	21-Feb-07			20.9	5,79	5.72	5.76	72.2	71.5	7.5	31.4	4.0	4.2	3.5	9.5	16.5
	WWFCZ1	S	MID-EBB	21-Feb-07			20.8	5.71	5.68		68.8	67.6	7.5	31.3	3.9	3.9		6.0	
	WWFCZ1	M	MID-EBB	21-Feb-07	16:47	41.90	20.9	5,52	5.49	5.60	68.4	68.6	7.5	31.3	4.3	4.2		8.0	
	WWFCZ1	В	MID-EBB	21-Feb-07			20.8	5.60	5.54	5.57	74.7	75.7	7.5	31.5	4.4	4.4	4.2	7.0	7.0
142	WWFC22	8	MID-EBB	21-Feb-07			20.8	5.90	5.88		71.9	70.2	7.5	31.3	2.6	2.5		12.5	
143	WWFCZ2	M	MID-EBB	21-Feb-07	16:34	40.80	20.9	5.80	5.71	5.82	72.2	71.6	7.5	31.3	4.2	4.2		7.5	
144	WWFCZ2	В	MID-EBB	21-Feb-07		1	20.8	5.87	5.60	5.74	69.5	68.5	7.5	31.3	4.0	4.2	3.6	11.5	10.5

Lab	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)		Salinity, ppt	Turbidity, NTU (1)	Turbidity, NTU (2)	NTU, Averaged Value	Suspended Solid, mg/L	SS, Averaged Value
-		S	MID-EBB	21-Feb-07			20.9	5.88	5.84		68.5	67.8	7.5	31.3	3.3	3.2		6.0	
	WFCZR1	M	MID-EBB	21-Feb-07	16:59	42.70	20.9	5.64	5,59	5.74	67.2	66.8	7.5	31.4	3.1	3.1	4.0	8.0	
	WFCZR1	B	MID-EBB	21-Feb-07	0.000000	100000000000000000000000000000000000000	20.9	5.52	5.46	5.49	70.5	70.2	7.5	31.4	2.7	2.7	3.0	6.5	6.8
	WFCZR1	S	MID-EBB	21-Feb-07			21.0	5.73	5.75		67.7	66.8	7.5	31.1	2.6	2.5		6.5	
	WFCZR2	M	MID-EBB	21-Feb-07	16:20	42.50	20.9	5.67	5.62	5.69	72.1	71.0	7.5	31.4	3.9	3.9		6.0	
449	WFCZR2		MID-EBB	21-Feb-07		10755000	21.0	5.80	5.78	5.79	68.2	67.4	7.5	31.3	4.2	4.2	3.6	9,0	7.2
	WFCZR2	В	MID-EOD	21-Feb-07	_		20.7	5.73	5.77		72.9	72.7	7.5	31.3	3.2	3.5	1	14.0	1
451	WWA1	S		21-Feb-07	10:12	7.90	20.7	5.79	5.72	5.75	69.5	68.5	7.5	31.3	3.5	3.2		11.0	
452	WWA1	M	MID-FLOOD	21-Feb-07	10.12	1,19.5	20.7	5.61	5.60	5.61	68.9	68.1	7.5	31.3	4.1	4.2	3.6	11.5	12.2
453	WWA1	В			-		20.7	5.69	5.63		68.2	67.9	7.5	31.3	3.3	3.4		12.0	
454	WWA2	S	MID-FLOOD	21-Feb-07 21-Feb-07	10:26	7.80	20.7	5.59	5,58	5.62	74.4	73.5	7.5	31.4	4.1	4.1		10.5	
455	WWA2	M	MID-FLOOD		10.20	1.00	20.7	5,54	5.52	5.53	72.7	71.8	7.5	31.3	3.9	3.9	3.8	10.5	11.0
456	WWA2	В	MID-FLOOD	21-Feb-07	_	_	20.7	5.59	5.55		71.2	70.9	7.5	31.3	3.5	3.6		13.0	
457	WWA3	S	MID-FLOOD	21-Feb-07	40.40	7.40	20.7	5.58	5.51	5.56	70.0	70.2	7.5	31.3	4.1	4.1	1	11.0	
458	WWA3	M	MID-FLOOD	21-Feb-07	10:40	7,40	20.7	5.47	5.56	5.52	72.3	71.7	7.5	31.4	4.2	4.8	4.1	14.0	12.7
459	WWA3	В	MID-FLOOD	21-Feb-07		_	20.7	5.65	5.66	0.02	73.0	72.8	7.5	31.6	4.8	4.8		12.0	
460	WRA1	S	MID-FLOOD	21-Feb-07		24.44		5.62	5.58	5.63	76.4	76.7	7.5	31.6	5.1	5.1	1	11.0	1
461	WRA1	M	MID-FLOOD	21-Feb-07	9:56	33,90	20.7		5.41	5.47	70.1	70.2	7.5	31.1	4.9	4.8	4.9	14.0	12.3
462	WRA1	В	MID-FLOOD	21-Feb-07		_	20.7	5.52		0.41	65.6	65.7	7.5	31.5	3.5	3.2		12.0	
463	WRA2	S	MID-FLOOD	21-Feb-07	10000	1025/225	20.7	5.41	5.42	5.47	70.7	70.3	7.5	31.5	3.3	3.1	1	16.0	1
464	WRA2	M	MID-FLOOD	21-Feb-07	9:43	33.70	20.7	5.53	5.52	5.58	72.3	70.8	7.5	31.6	2.9	2.9	3.2	12.0	13.3
465	WRA2	В	MID-FLOOD	21-Feb-07			20.7	5.60	5.55	5.56	65.6	65.2	7.5	31.4	3.6	3.6		7.0	
466	WRA3	S	MID-FLOOD	21-Feb-07		350.28	20.7	5.42	5.41	1997	64.8	64.9	7.5	31.5	3.9	3.9	1	12.0	1
467	WRA3	M	MID-FLOOD	21-Feb-07	9:30	32.50	20.7	5,63	5.64	5.53	66.9	66.5	7.5	31.6	3.3	3.2	3.6	16.0	11.7
468	WRA3	В	MID-FLOOD	21-Feb-07	1		20.7	5,50	5.47	5.49	70.3	70.2	7.5	31.0	4.1	4.2	7.5.15	13.0	
469	WWFCZ1	S	MID-FLOOD	21-Feb-07			20.7	5.74	5.73	10000		66,2	7.5	30.9	2.9	2.8	1	7.0	1
470	WWFCZ1	M	MID-FLOOD	21-Feb-07	11:20	41.90	20.7	5.45	5,43	5.59	66.2	65.0	7.5	31.5	2.9	2.5	3.2	10.5	10.2
471	WWFCZ1	В	MID-FLOOD	21-Feb-07		1	20.6	5.38	5.37	5,38	85.7		7.5	31.6	2.6	2.7		14.0	19.00
472	WWFCZ2	S	MID-FLOOD	21-Feb-07			20.6	5.46	5.42		64.8	64.6		31.6	3.2	3.3	-	17.5	ri i
473	WWFCZ2	M	MID-FLOOD	21-Feb-07	11:08	41.30	20.6	5,49	5.45	5.46	65.5	65,5	7.5		3.3	3.4	3.1	17.5	16.3
474	WWFC22	В	MID-FLOOD	21-Feb-07			20.6	5.41	5.40	5.41	67.2	66.9	7.5	31.6	3.1	3.1	9.1	17.5	10.0
475	WFCZR1	S	MID-FLOOD	21-Feb-07			21.2	5,58	5.55		70.3	69.8	7.5	31.6		3.3	4	26.0	-1
476		M	MID-FLOOD	21-Feb-07	11:33	42.80	20.8	5.46	5.45	5.51	66.0	66.3	7.5	32.0	3.3	3.0	3.1	19.0	20.8
477	WFCZR1	В	MID-FLOOD	21-Feb-07	1		20.6	5,46	5.45	5.46	67.9	66.7	7.5	32.1	2.8	2.7	3.1	14.5	20.0
478	WFCZR2	S	MID-FLOOD	21-Feb-07			20.6	5.50	5.47		72.2	71.8	7.5	31.6	2.7	3.4	-	17.0	4
479	WFCZR2	M	MID-FLOOD	21-Feb-07	10:53	42.60	20.6	5.60	5,49	5,52	66.8	65.2	7,5	31.6	3.3		3.4	10.0	13.8
480	WFCZR2	В	MID-FLOOD		1		20.7	5.49	5.54	5.52	71.0	70.9	7.5	31.3	4.0	4.1	3.4	13.5	10,0
481	WWA1	S	MID-EBB	23-Feb-07			20.8	5.54	5.53	5-00-00-0	70.7	71.0	7.5	31.6	2.8	2.8		11.0	4
482	WWA1	M	MID-EBB	23-Feb-07	16:45	7.20	20.8	5.60	5.54	5,55	77.5	77.9	7.5	31.7	4.2	4.1	- 00	12.5	12.3
483	WWA1	В	MID-EBB	23-Feb-07	1		20.7	5,46	5.42	5.44	74.7	73,1	7.5	31.7	4.6	4.7	3,8		12.3
484	WWA2	S	MID-EBB	23-Feb-07	1		20.9	5.68	5.70		68.2	67.1	7.5	31.7	3.5	3.5	4	13.5 7.5	-
485	WWA2	M	MID-EBB	23-Feb-07	16:58	7.50	20.9	5.71	5.61	5.68	69.1	68.3	7.5	31.8	3.4	3.5	4		
486	WWA2	B	MID-EBB	23-Feb-07	1000000	1 100000	20.9	5.45	5.41	5.43	71.7	71.5	7.5	31.8	4.2	4.2	3.7	10.0	10.3
487	WWA3	S	MID-EBB	23-Feb-07	1		20.9		5.65		71.3	70.1	7.5	31.7	3,3	3.3		7.5	4
488	WWA3	M	MID-EBB	23-Feb-07	17:09	7.60	20.9	-	5.43	5.55	70.4	69,9	7.5	31.7	3.6	3.6		8,5	

Geenv project 24583 env_dataunarine impact/Data Evaluation/anonthly-

Page 11 of 15

Lab		Dasilion	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)	Turbidity, NTU (2)	NTU, Averaged Value	Suspended Solid, mg/L	Value
D	Location			Control of the Control of the Control	14110	dopin, na	20.8	5.40	5.33	5,37	71.7	70.7	7.5	31.7	3.3	3.4	3.4	6.5	7.5
469	WWA3	В	MID-EBB	23-Feb-07	_		20.0	5.49	5.47	0,01	74.7	73.2	7.5	31_3	2.8	2.8		6.5	
490	WRA1	S	MID-EBB	23-Feb-07	16:35	33.80	20.8	5,49	5,51	5,49	71.2	70.0	7.5	31.2	3.5	3,6		10.0	
491	WRA1	M	MID-EBB	23-Feb-07	10.35	33,00	20.8	5,43	5.40	5.42	72.3	72.0	7.5	31.7	4.1	4.2	3.5	11.0	9_2
492	WRA1	В	MID-EBB	23-Feb-07			20.8	5.53	5.50	0.42	73.5	72.9	7.5	31.4	3,6	3.6		8.5	
493	WRA2	S	MID-EBB	23-Feb-07			20.9	5,60	5.54	5.54	74.0	72.7	7.5	31.6	3.6	3,6	ř l	12.0	1
494	WRA2	M	MID-EBB	23-Feb-07	16:22	33.90		5.53	5,49	5.51	69.2	68,6	7.5	31.7	2.4	2.5	3.2	7,5	9.3
495	VVRA2	В	MID-EBB	23-Feb-07			20.9		5.75	3.31	74.1	74.2	7.5	31.1	2.8	2.8		6,5	
496	WRA3	S	MID-EBB	23-Feb-07		04.00	20.9	5.76	5.75	5.81	74.6	73.6	7.5	31_9	3,4	3.5	i	9,5	1
497	WRA3	M	MID-EBB	23-Feb-07	16:20	31,60	20.8	5.87	5.52	5.56	68.7	68.8	7.5	31.8	3.2	3.3	3.1	8.5	8.2
498	WRA3	В	MID-EBB	23-Feb-07			20.9	5.60	5,52	3,30	68.3	68.1	7.5	31.6	4.2	4.2		6.0	
499	WWFCZ1	S	MID-EBB	23-Feb-07			20.8	5.59		F 74	72.2	72.3	7.5	31.7	4.7	4.6	1	9_0	1
500	WWFCZ1	M	MID-EBB	23-Feb-07	15:42	41,60	20,9	5.90	5.91	5.74		71.9	7.5	31.7	4.9	4.8	4.5	10.0	8.3
501	WWFCZ1	В	MID-EBB	23-Feb-07			20,9	5.60	5,61	5.61	71.8	66,5	7.5	31.7	4.0	4.2	- 0.4	9.0	-
502	WWFCZ2	\$	MID-EBB	23-Feb-07			20.9	5.75	5.74		67,3	71.7	7.5	31.8	5.2	5.1	ł	16.0	1
503	WWFCZ2	M	MID-EBB	23-Feb-07	15:55	40.90	20,8	5,59	5.54	5.66	72.3			31.8	6.5	6.4	5.2	10.0	11,7
504	WWFCZ2	8	MID-EBB	23-Feb-07			20.9	5.78	5.81	5.80	74.4	74,3	7.5	31.5	3.3	3.5	3.2	6.5	
	WFCZR1	S	MID-EBB	23-Feb-07			21.1	5,55	5,51		70.0	69.8	7.5		4.0	3.8	1	10.0	4
	WFCZR1	M	MID-EBB	23-Feb-07	15:30	41.70	20.9	5.60	5,57	5.56	71.0	70.2	7.5	31.7	4.0	4.3	3.9	7.5	8.0
507	WFCZR1	В	MID-EBB	23-Feb-07			20.9	5.41	5.40	5.41	69,1	68_7	7.5	31.9			3,9	7.0	0.0
508	WFCZR2		MID-EBB	23-Feb-07			20.8	5.58	5,55		76.5	74.7	7.5	31.7	3,0	3,2	-	6,5	4
509	WFCZR2		MID-EBB	23-Feb-07	16:07	41.10	20.8	5.73	5.72	5,65	75.5	74.4	7.5	31.7	4.2	4.3		12.0	8.5
510	WFCZR2		MID-EBB	23-Feb-07			20.9	5.62	5.59	5.61	68.4	68.3	7.5	31.9	6.4	6.3	4,6		0.0
511	WWA1	S	MID-FLOOD	23-Feb-07			20.9	5,69	5.69		73.3	72.7	7.4	31,3	2.7	2.8		11.0	4
512	WWA1	M	MID-FLOOD	23-Feb-07	12:00	7.60	20.9	5.50	5.41	5,57	71.0	70.8	7.4	31.3	3.1	3.2		13.5	4
513	WWA1	В	MID-FLOOD	23-Feb-07		23.7	20.8	5,56	5.51	5.54	69.2	68.7	7.4	31.3	2.9	2.8	2.9	13,5	12.7
514	WWA2	S	MID-FLOOD	23-Feb-07		_	20.7	5,63	5,56		72.3	71.6	7.4	31.5	2.4	2.5		8.0	-
_		M	MID-FLOOD	23-Feb-07	12:09	7,90	20.6	5.48	5.42	5.52	73.6	72.7	7.4	31.6	3.1	3,3]	13.5	4
515	WWA2	B	MID-FLOOD	23-Feb-07	12.00	1,50	20.7	5.67	5,62	5.65	70.5	68.9	7.4	31,5	3.8	3.8	3.1	11.5	11.0
516	WWA2				_	_	20.7	5.66	5.63	1111	76.6	74.9	7.4	31.5	3.5	3.5		9.5	
517	WWA3	S	MID-FLOOD	23-Feb-07	12:23	7.70	20.7	5.46	5.44	5.55	71.6	71.3	7.4	31.6	2.8	2.8	1	16.5	3
518	WWA3	M	MID-FLOOD	23-Feb-07	12.23	1.10	20.8	5.47	5.41	5.44	69.3	69.2	7.4	31.5	2.9	2.8	3.0	9.5	11.8
519	WWA3	В	MID-FLOOD		-		20.8	5.73	5.71	1	76.2	75.0	7.5	31.7	2.8	2.6		9.0	
520	WRA1	S	MID-FLOOD	23-Feb-07		2440	20.8		5.68	5.72	76.5	76.0	7.5	31.6	3.2	3.5	1	8.5]
521	WRA1	M	MID-FLOOD	23-Feb-07	11:47	34.30		5.74	5.46	5,52	69.8	69.7	7.5	31.7	3.5	3.6	3.2	7.0	8.2
522	WRA1	В	MID-FLOOD	23-Feb-07			20.9	5.58	5.60	3,32	72.9	71.5	7.5	31.8	2.8	2.9		5.0	
523	WRA2	S	MID-FLOOD	23-Feb-07	1		20.7	5.67			71.3	70.4	7.5	31.8	2.B	2.6	1	10.5	1
524	WRA2	M	MID-FLOOD	23-Feb-07	11:34	34.20	20.7	5.49	5.44	5,55	72.1	71.9	7.5	31.7	2.4	2.4	2.6	12.0	9.2
525	WRA2	В	MID-FLOOD	23-Feb-07			20.9	5.56	5.48	5.52	76.2	76.1	7.5	31.6	3.9	3.8	1	6.0	1
526	WRA3	Š	MID-FLOOD	23-Feb-07			20.9	5.60	5.53			71.3	7.5	31.4	3.3	3.3	1	9.0	1
527	WRA3	M	MID-FLOOD	23-Feb-07	11:20	32.80	20.9	5.49	5.44	5,52	72.3		7.5	31.4	3.5	3.6	3.5	8.5	7.8
528	WRA3	B	MID-FLOOD	23-Feb-07	1		20.9	5,60	5.49	5,55	80.3	79.0			4.2	4.2	3.3	7.5	1.0
529	WWFCZ	1 5	MID-FLOOD	23-Feb-07			21.0	5.60	5.62		78.8	78.6	7.5	30.8		2.9	4	8.5	-11
530	WWFCZ		MID-FLOOD		10:55	41.80	21.0	5.78	5.70	5,68	77.1	76.5	7.5	31.3	2.8	2.9	٠,	9.5	8.5
531	WWFCZ		MID-FLOOD		1		21.1	5,59	5,53	5.56	74.4	74.0	7.5	34.2	3.0		3,3	16.0	0,5
	WWFCZ		MID-FLOOD				20.9	5.63	5.60		71.7	71.3	7.5	31.9	4.1	4.1	_	16.0	_

Lab	W.					Water	Temp.	DO, mg/L	DO, mg/L	A SHOWN	DO, %	DO, %		et regul	Turbldity.	Turbidity.	NTU, Averaged	Suspended	\$\$,
ID	Location	Position	Tide	Sampling Date	Time	depth, m	°C	(1)	(2)	DO, Average value		(2)	pH, Unit	Sallnity, ppt	NTU (1)	NTU (2)	Value	Solid, mg/L	Averaged Value
533	WWFCZ2	M	MID-FLOOD	23-Feb-07	10:43	41,30	21.0	5,58	5,49	5,58	71.8	70.2	7.5	31.8	2.9	2.8		13.5	
534	WWFCZ2	В	MID-FLOOD	23-Feb-07			21.1	5.45	5.40	5.43	79.9	79.0	7.5	31.8	3.1	3.3	3.4	14.0	14.5
535	WFCZR1	S	MID-FLOOD	23-Feb-07			21.3	5.59	5.49		81.3	79.5	7.5	31.8	3.3	3.5		16.0	
536	WFCZR1	M	MID-FLOOD	23-Feb-07	11:08	42,10	21.1	5.47	5.45	5.50	72.7	72.4	7.5	31.7	2.8	2,5		24.0	ŕ
537	WFCZR1	8	MID-FLOOD	23-Feb-07	6		21.1	5,40	5,38	5.39	68.4	68.1	7.5	31.8	2.7	2.8	2.9	19.0	19.7
538	WFCZR2	S	MID-FLOOD	23-Feb-07			20.1	5.71	5,65		75.1	74.9	7.5	31.6	3.1	3.1		13.0	
539	WFCZR2	M	MID-FLOOD	23-Feb-07	10:30	42.60	21.0	5.60	5,55	5,63	73.6	73.0	7.5	31.6	4.1	4.1		10.5	ř.
540	WFCZR2	В	MID-FLOOD	23-Feb-07	P		21.1	5.58	5.50	5.54	69.5	69.6	7.5	31.7	4.1	4.3	3.8	16.0	13.2
541	WWA1	S	MID-EBB	26-Feb-07			21.0	5.76	5.63		83.0	81.3	7.5	32.5	2.1	2.1		9.0	
542	WWAT	M	MID-EBB	26-Feb-07	18:14	7,60	20.9	5.76	5.62	5.69	81.1	79.6	7.5	32.4	1.8	1.9		9.0	i i
543	WWAT	В	MID-EBB	26-Feb-07	0 1		20.9	5,80	5.76	5,78	83.8	82.1	7.5	32.5	2.6	2.6	2,2	9.5	9.2
544	WWA2	S	MID-EBB	26-Feb-07			20.9	5.68	5,56		82.5	80.5	7.5	32.5	3.7	3.7		7.0	
545	WWA2	M	MID-EBB	26-Feb-07	18:25	7,50	20.7	5.63	5.54	5.60	81.1	79.5	7.5	32.5	2.9	2.9		5.5	ĺ
546	WWA2	В	MID-EBB	26-Feb-07			20.8	5.61	5,51	5.56	80.9	79.3	7.5	32.5	3.3	3.0	3.2	6.0	6.2
547	WWA3	S	MID-EBB	26-Feb-07			20.8	5.68	5.57		82.7	80.1	7.5	32.5	2.4	2.4		6.0	
548	WWA3	M	MID-EBB	26-Feb-07	18:35	7.50	20.8	5.70	5,60	5.64	82.7	80.8	7,5	32,3	1,6	1.8		12.0	í .
549	WWA3	В	MID-EBB	26-Feb-07			20.8	5.71	5.63	5.67	82.6	81.1	7.5	32.5	2.4	2.3	2.2	12.0	10.0
550	WRA1	S	MID-EBB	26-Feb-07			20.8	6.03	5.89		85.2	83.4	7.4	32.5	2.5	2.6		12.5	10,0
551	WRA1	м	MID-EBB	26-Feb-07	18:04	32.90	20.8	5.66	5.53	5.78	81.1	79.4	7.4	32.5	2.2	2.4		18.5	i
552	WRA1	В	MID-EBB	26-Feb-07		12,01	20.7	5.81	5.70	5.76	82.1	79.9	7.4	32.6	2.9	2.8	2.6	6.5	13.2
553	WRA2	S	MID-EBB	26-Feb-07	_		20.7	6,22	6.07	0,10	83.5	82,6	7.5	32.3	1.9	1.9	2.0	5.0	15.2
554	WRA2	M	MID-EBB	26-Feb-07	17:52	32.70	20.8	5.84	5.65	5.95	81.0	79.9	7.5	32.5	2.5	2.5		7.5	A
555	WRA2	В	MID-EBB	26-Feb-07		12,02	20.8	5.83	5.76	5.80	81.6	80.4	7.5	32.5	2.2	2.2	2.2	6.0	6.2
556	WRA3	S	MID-EBB	26-Feb-07	_		20.7	5.67	5,56	0.00	81.3	79.7	7.5	32.3	1.9	1.8		5.0	0.2
557	WRA3	M	MID-EBB	26-Feb-07	17:40	31.80	20.8	5.89	5.82	5.74	81.2	80.7	7.5	32.5	2.7	2.3		11.5	ř.
558	WRA3	В	MID-EBB	26-Feb-07			20.7	5.52	5.44	5.48	77.0	75.8	7,5	32.7	2.9	2.9	2.4	5.0	7.2
559	WWFCZ1	S	MID-EBB	26-Feb-07	_		21.0	5.73	5.68	0,10	75.3	74.2	7.5	32.5	1.6	1.8		6.0	1 = 4
560	WWFCZ1	M	MID-EBB	26-Feb-07	17:23	40.60	20.7	5,88	5.86	5.79	79.7	78.6	7.5	32.4	2.3	2.3		10.0	
561	WWFCZ1	В	MID-EBB	26-Feb-07			20.7	5.76	5.69	5.73	77.5	76.1	7.5	32.8	3.3	3.2	2.4	7.0	7.7
562	WWFCZ2	S	MID-EBB	26-Feb-07	-		21.0	5.85	5.79	3,10	79.6	78.7	7.5	32.5	2.5	2.5	2,4	5.5	1-1
563	WWFCZ2	M	MID-EBB	26-Feb-07	17:10	41.10	20.9	5.81	5.77	5.81	80.2	76.3	7.5	32.6	3.1	3.8		5.5	
564	WWFCZ2	В	MID-EBB	26-Feb-07			20.9	5.83	5.75	5.79	80.9	79.6	7.5	32.5	3.2	3.3	3.0	6.5	5.8
565	WFCZR1	S	MID-EBB	26-Feb-07	-		21.1	5.93	5.87	5,15	81.2	79.5	7.5	31.8	3.4	3.5	3.0	12.5	5.6
566	WFCZR1	M	MID-EBB	26-Feb-07	17:38	40.70	21.0	5.65	5.49	5.74	78.2	77.3	7.4	32.6	3.8	4.0		5.5	
567	WFCZR1	В	MID-EBB	26-Feb-07			20.8	5,63	5.58	5.61	81.2	79.6	7.5	32.7	3.5	3.5	3.6	5.5	7.8
568	WFCZR2	S	MID-EBB	26-Feb-07	-		21.1	5.83	5.75	9,01	80.8	79.3	7.5	32.4	2.2	2.6	3,0	8.0	1,0
569	WFCZR2	M	MID-EBB	26-Feb-07	17:00	41.80	20,9	5,95	5,91	5.86	82.3	81.8	7.5	32.3	3.0	3.2		6.0	
570	WFCZR2	В	MID-EBB	26-Feb-07			20.9	5.86	5.80	5.83	78.2	77.6	7.5	32.5	2.9	2.9	2.8	8.0	7.3
571	WWA1	S	MID-FLOOD	26-Feb-07			20.9	5.63	5.58	5.03	81.3	79.6	7.5	32.5	2.1	2.0	4.0	8.5	1,3
572	WWA1	M	MID-FLOOD	26-Feb-07	11:38	7.80	20.8	5.55	5.41	5.54	80.3	79.0	7.5	32.5	2.0	2.1		12.5	
573	WWA1	B	MID-FLOOD	26-Feb-07		.,00	20.5	5.48	5.43	5.46	80.2	79.6	7.6	32.5	2.1	2.0	2.1	9.5	10.2
574	WWA2	s	MID-FLOOD	26-Feb-07	-		20,6	5.57	5.48	3.40	80.3	79.2	7.5	32.5	2.9	2.8	Z-1	8.5	10.2
575	VVVAZ	M	MID-FLOOD	26-Feb-07	11:53	7.70	20.6	5.53	5.41	5,50	78.2	77.6	7.5	31.7	3.2	3.5		14.5	
576	VVVA2	В	MID-FLOOD	26-Feb-07	11,55		20.7	5.62	5.58	5.60	79.3	78.1	7.5	32.4	3.0	2.8	3.0	5.0	0.2
310	****AZ	0	MID-I LOOD	£0-1 0D-07	_		20,7	5,02	0,00	3,00	19.5	70-1	1.5	32,4	3,0	2.0	3_0	5,0	9.3

G_env project 24583 env_data/marine/impact Data Evaluation/monthly

Page 13 of 15

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)	Turbidity, NTU (2)	NTU, Averaged Value	Suspended Solid, mg/L	SS. Averaged Value
577	WWA3	S	MID-FLOOD	26-Feb-07			20.9	5.72	5.68		78.6	77.3	7.5	32.5	2.1	2.2		6.0	
578	WWA3	M	MID-FLOOD	26-Feb-07	12:07	7.60	20.8	5.92	5.91	5.81	80.3	79.5	7.5	32.3	1.9	1.7		7.0	r .
579	WWA3	В	MID-FLOOD	26-Feb-07			20.8	5.74	5.68	5.71	79.2	78.8	7,5	31.8	2.4	2.5	2.1	8.5	7.2
580	WRA1	S	MID-FLOOD	26-Feb-07			20.8	5.47	5.41	20.7	86.9	83.5	7.5	32.5	1.8	1.7		7.0	7.12
581	WRA1	M	MID-FLOOD	26-Feb-07	11:24	33.80	20.7	5.42	5.38	5.42	85.1	84.6	7.5	32.5	2.1	2.1		5.0	E .
582	WRA1	В	MID-FLOOD	26-Feb-07	2216	2000	20.6	5,44	5.41	5.43	85.7	85.2	7.5	32.5	2.2	2.4	2.0	6.5	6.2
583	WRA2	S	MID-FLOOD	26-Feb-07	-		21.0	6.01	5.85		83.4	82.7	7.5	32.4	1.8	1.9		9.0	0.2
584	WRA2	M	MID-FLOOD	26-Feb-07	11:12	33,50	20.8	5.77	5.65	5.82	81.2	80.9	7.5	32.5	1.9	1.7		16.5	i)
585	WRA2	В	MID-FLOOD	26-Feb-07	1:5586	4500.0000	20.8	5.54	5.51	5.53	79.6	78.3	7.5	32.5	2.1	2.2	1.9	5.0	10.2
586	WRA3	S	MID-FLOOD	26-Feb-07			20.9	5.97	5.93	0,00	82.7	81.5	7.5	29.8	1.8	2.0	1.0	5.0	10.2
587	WRA3		MID-FLOOD	26-Feb-07	11:00	31.70	20.8	5.82	5.77	5.87	81.6	80.9	7.5	30.1	2.1	2.1		5.5	
588	WRA3		MID-FLOOD	26-Feb-07	202200	(2633.2)	20.9	5.94	5.93	5.94	81.5	80.7	7.5	32.5	2.0	2.3	2.0	8.5	6.3
589	WWFCZ1	S	MID-FLOOD	26-Feb-07			20.8	5.71	5.69	0.94	80.3	79.6	7.5	32.3	2.0	1.6	2.0	5.0	0.3
	WWFCZ1		MID-FLOOD	26-Feb-07	12:46	41.30	20.9	5.86	5.83	5.77	82.5	81.3	7.5	32.4	2.5	2.5		5.5	
	WWFCZ1	В	MID-FLOOD	26-Feb-07	16.40	7.1.29	20.5	5.97	5.88	5.93	84.5	83.2	7.5	32.3	2.1	2.1	2.1	6.5	5.7
	WWFCZ2		MID-FLOOD	26-Feb-07	_		20.7	5.89	5.76	5,83	83.5	82.7	7.5	32.5	2.4	2.5	2.1	5.0	5.7
	WWFCZ2	M	MID-FLOOD	26-Feb-07	12:33	40.90	20.7	5.71	5.63	5.75	82.6	81.5	7.5	32.6	3.2	3.3		6.5	
	WWFCZ2		MID-FLOOD	26-Feb-07	14,00	40.00	20.7	5.72	5.65	5.69	80.9	79.5	7.5	32.5	3.2	3.2			
	WFCZR1		MID-FLOOD	26-Feb-07	_		20.7	5.63	5.61	3.08	78.5	78.1	7,5	32.3	3.7	3.6	2.9	9.0	8.8
	WFCZR1		MID-FLOOD	26-Feb-07	15:59	41.50	20.7	5.69	5.63	5.64								5.0	
	WFCZR1		MID-FLOOD	26-Feb-07	15.58	41,50	20.3				79.3	78.6 77.6	7.5	32.1	2.6	2.6		5,5	
	WFCZR1				_			5.61	5.54	5,58	78.3		7.5	31.9	3.0	3.1	3.1	7.0	5,8
			MID-FLOOD	26-Feb-07	12:20	40.00	20.9	5.67	5.63	62820	82.5	81.3	7,5	32.4	2.3	2.8		15.0	
	WFCZR2	M	MID-FLOOD	26-Feb-07	12:20	42.20	20,8	5,65	5,54	5.62	80.7	79.5	7.5	32.5	2.3	2.5		8.0	
	WFCZR2		MID-FLOOD	26-Feb-07			20,6	5.63	5.62	5.63	81.7	80.5	7.5	32.7	3,1	3.2	2.7	7.0	10.0
501	WWA1	S	MID-EBB	28-Feb-07	22032	2002	21.3	5.50	5.47	9702	70.9	70.1	8.0	32.5	4.9	4.7		9.5	
502	WWA1	M	MID-EBB	28-Feb-07	13:40	6.90	21.1	5,40	5.43	5.45	72.2	71.6	8.0	32,7	2.7	2,6	2000	7.0	255
503	WWA1	В	MID-EBB	28-Feb-07	_		21.1	5.46	5.38	5,42	70.3	70.0	8.0	32.6	2.7	2,8	3.4	6.5	7.7
304	WWA2	S	MID-EBB	28-Feb-07		200	21.0	5.48	5.44		75.0	74.5	8.0	32.5	2.4	2.5		15.0	
305	WWA2	M	MID-EBB	28-Feb-07	13:53	7.50	21.0	5.57	5.53	5.51	71.9	71.8	8.0	32.6	2.4	2.5		5.0	
306	WWA2	В	MID-EBB	28-Feb-07			20.8	5.48	5.49	5.49	75.1	73.8	8.0	32.7	2.4	2.9	2.5	6.5	8.8
307	WWA3	S	MID-EBB	28-Feb-07			21.0	5.38	5.37		73.1	72.9	8.0	32.6	3.0	2.9		5.0	
808	WWA3	M	MID-EBB	28-Feb-07	14:04	6.70	21.0	5.77	5.70	5.56	74.8	74.5	8.0	32.6	2.4	2.5		5.5	
809	WWA3	В	MID-EBB	28-Feb-07			20.9	5.59	5.50	5.55	72.0	71.6	8.0	32.6	3.1	3.1	2.8	5.0	5.2
10	WRA1	S	MID-EBB	28-Feb-07			20.9	5.69	5.60		75.2	74.0	8.0	32.6	2.3	2.6		5.5	
511	WRA1	M	MID-EBB	28-Feb-07	13:27	33.80	21.0	5.54	5,50	5.58	76.0	75,3	8.0	32.5	2.6	2.6		5.5	
12	WRA1	В	MID-EBB	28-Feb-07			20.9	5.47	5.42	5.45	69,8	69,9	8,0	32.0	3.0	2.9	2.7	5.5	5.5
313	WRA2	S	MID-EBB	28-Feb-07	000000	**********	20.9	5.53	5.50		74.4	73.3	8,0	32.7	2.9	2.7		5.0	
14	WRA2	M	MID-EBB	28-Feb-07	13:09	33.50	20.9	5.61	5.56	5.55	70.8	69.8	8.0	32.6	2.6	2.6		5.0	
15	WRA2	В	MID-EBB	28-Feb-07			20,9	5.75	5.69	5.72	69.4	68.9	8.0	32.6	2.6	2.7	2.7	5.0	5.0
16	WRA3	S	MID-EBB	28-Feb-07			21.1	5.65	5.60	4500	74.4	74.3	8.0	32.5	2.7	2.7	770	6.0	-
17	WRA3	M	MID-E8B	28-Feb-07	12:53	31.60	21.0	5.39	5.38	5.51	67.7	67.3	8.0	32.6	2.8	2.9		7.5	
18	WRA3	В	MID-EBB	28-Feb-07		1	21.0	5.48	5.44	5.46	75.6	74.9	8.0	32.5	2.6	2.7	2.7	8.0	7.2
	WWFCZ1	S	MID-EBB	28-Feb-07			21.1	5.60	5.57	*****	71.2	70.5	8.0	32.5	2.7	2.7	2	5.0	
	WWFCZ1	M	MID-EBB	28-Feb-07	12:13	40.80	21.0	5.48	5.46	5.53	67.2	66.9	8.0	32.5	3.5	3,4		5.5	

Lab	Location F	Position.	Tide	Sampling Date	Time	Water depth, m	Temp.	DO, mg/L (1)	DO, mg/L (2)	DO, Average value		(2)	-	Salinky, ppt	Turbidity, NTU (1)	Turbidity, NTU (2)	NTU, Averaged Value 3.3	Suspended Solld, mg/L	SS, Averaged Value
-	WWFCZ1	В	MID-EBB	28-Feb-07			20.9	5,53	5,58	5,56	74,6	73_9	8.0	32.6	3,7	3.7	3.3	9.5	5.3
	WWFCZ2	S	MID-EBB	28-Feb-07			21.0	5.76	5.74		72.4	71.5	8.0	32.6	2.9	2.7		7.0	
_		M	MID-EBB	28-Feb-07	12:28	40.30	20.9	5,68	5.66	5,71	68,4	67_6	8.0	32.6	2,6	2.7		10.5	9.0
	WWFCZ2	B	MID-EBB	28-Feb-07			20.9	5,80	5.76	5.78	69,1	68,6	8.0	32.6	2.7	2,8	2.7	8.0	9,0
	WWFCZ2	S	MID-EBB	28-Feb-07			21,2	5,49	5,42		69.3	68,3	8.0	32.6	1,9	1.8	1		1
	WFCZR1	M	MID-EBB	28-Feb-07	12:00	40.90	21.0	5.41	5.40	5.43	68.4	68.0	8.0	32,7	2.7	2,7		12.0 6.0	B.7
	WFCZR1	B	MID-EBB	28-Feb-07			20.9	5.45	5.43	5.44	69.1	69.0	8.0	32,6	3.5	3.5	2.7		0.7
			MID-EBB	28-Feb-07			21.0	5,60	5.51		71.3	70.2	8.0	32.5	2.4	2.5	4	5,5	4
	WFCZR2	S	MID-EBB	28-Feb-07	12:40	40.80	20.9	5.46	5,48	5,51	67.2	66.9	B.0	32.6	3.4	3,3	1	6,5	
	WFCZR2	B 8	MID-EBB	28-Feb-07			20.8	5,47	5.44	5.46	73.7	73_0	8.0	32.7	3,0	2.8	2.9	7.5	6,5
	WFCZR2		MID-FLOOD	28-Feb-07	-		20.8	5.66	5.60		80.3	79.8	8.0	32.1	4.7	4.7	-	8,5	
631	WWA1	S	MID-FLOOD	28-Feb-07	10:24	7.20	20.8	5,58	5.54	5,60	81.0	80.7	8,0	32.6	2.9	2.8	1	10.0	38
632	WWA1	M	MID-FLOOD	28-Feb-07	10.2	7.00	20.6	5.68	5.58	5,63	80.0	79.1	8.0	32.7	2.8	2,6	3,4	16,0	11.5
633	WWA1	В	MID-FLOOD	28-Feb-07	-		20.8	5.69	5,62		74.9	74.6	8,0	32.7	2.5	2,5		7.5	-
634	WWA2	S	MID-FLOOD	28-Feb-07	10:39	7.60	20.7	5.4B	5.47	5,57 5,44	69.8	69.7	8.0	32.6	2.4	2.4	2,5	9.0	
635	WWA2	M	MID-FLOOD	28-Feb-07	10.00	1.00	20.7	5.45	5.42		73.3	72.3	8.0	32.7	2.6	2.7		11.0	9.2
636	WWA2	В	MID-FLOOD			_	20.8	5,99	5.95	5,88	80.7	79.7	0_8	32.7	3.1	3.1		10,0	1
637	WWA3	S	MID-FLOOD		10:53	7.10	20.9	5.80	5.76		80.6	80.2	8.0	32.6	2,8	2.8	1	11,0	
638	WWA3	M	MID-FLOOD		10.00	1,10	20.9	5.62	5.53	5.58	77.2	77.0	8.0	32.1	3,2	3.4	3.1	9,5	10.2
639	WWA3	В	MID-FLOOD		-	_	20.8	5.89	5.88		78.2	77.4	8.0	32.8	3,1	3.1	4	7.0	4
640	WRA1	S	MID-FLOOD		10:11	34.10	21.0	5.79	5.78	5,83 5,56	75.9	75.8	8.0	32.7	2.8	2.7	3.0	7.5	4
641	WRAT	M	MID-FLOOD	28-Feb-07	1 10.11	04.10	20.9	5.56	5.55		76.5	76.6	8.0	32.7	3.1	3.2		11.0	8.5
642	WRA1	В	MID-FLOOD		-	_	20.6	5.81	5.80		76.5	75.B	8.0	32.7	2.8	2.5		9,0	4
643	WRA2	S	MID-FLOOD		10:00	33.70	20.7	5.60	5.58	5.70	74.5	73.9	8.0	32,8	2.8	3.0	1	11,0	4
644	WRA2	М	MID-FLOOD	28-Feb-07	1 10.00	00.70	20.7	5.54	5.51	5.53	79.0	78.8	8.0	32.9	2.8	2.6	2.7	5,5	8.5
645	WRA2	В	MID-FLOOD	28-Feb-07	-	-	20.8	5.62	5.59		75.9	74.9	8.0	32.7	3,2	3.3		6.5	1
646	WRA3	S	MID-FLOOD		9:48	31.90	20.8	5.46	5.47	5.54	72.1	71.9	8.0	32.7	2.9	2.7	_	6.5	4
647	WRA3	M	MID-FLOOD		1 0.70	01,00	20.8	5.60	5.57	5.59	73.1	72.8	8.0	32.7	3.7	3.8	3.3	9.0	7.3
648	WRA3	В	MID-FLOOD		-	-	21.0	5.75	5.62		71.8	71.7	8.0	32.6	2.7	2.7		12.0	
649	WWFCZ1	S	MID-FLOOD		9:10	41.50	21.0	5.56	5.54	5.62	73.4	73.3	8.0	32.7	3,3	3.4	1	12.0	3
650	WWFCZ1	M	MID-FLOOD		1 3.10	41,00	20.8	5.48	5.44	5.46	71.1	70.3	8.0	32.7	3.2	3.1	3.1	18.0	14.0
651	WWFCZ1	В			-		20.9	5.70	5.65		73.8	73.7	8.0	32.7	2.8	2.7		16.5	-
652	WWFCZ2	S	MID-FLOOD		9:23	40.70	20.8	5.57	5.56	5.62	72.3	72.2	8.0	32.7	2.7	2.7		14.0	4
653	WWFCZ2	M			1 3,23	70,10	20.8	5.86	5.84	5.85	77.4	77.0	8.0	32.7	3,1	3.1	2,8	16,5	15.7
654	WWFCZ2	В	MID-FLOOD		+	-	21.6	5.72	5.71		78.0	77.9	8.0	32.4	2.0	1.8		5.5	4
655	WFCZR1	S			9:00	41.20	21.1	5.59	5.55	5.64	71.2	71.0	8.0	32.7	2.5	2.5		7.0	1
656	WFCZR1	M	MID-FLOOD		1 3,00	71,20	21.0	5.49	5,47	5.48	68.5	87.9	8.0	32.7	2.3	2.3	2.2	6.0	6.2
657	WFCZR1	В	MID-FLOOD		+	-	20.7	5.84	5.80		76.6	76.7	8.0	32.8	2.5	2.5		8.5	1
658	WFCZR2	S	MID-FLOOD		9:35	41.30	20.7	5.59	5.48	5.68	71.0	70.5	8.0	32.7	3.2	3.2		8.5	_
659 660	WFCZR2 WFCZR2	M B	MID-FLOOD		1 9,35	41.30	20.7	5.60	5.57	5.59	73.3	72.2	8.0	32.7	2.9	2.8	2.8	7.0	8.0

Appendix E
Investigation Summary
on Marine Water Quality
Exceedances

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

	Remark		Refer to ET's field record & CT's daily records.	Ditto	Ditto	Ditto	Ditto	Refer to ET's field record & CT's daily records.
	100	Closing Date	15-Feb-07	Ditto	Ditto	Ditto	Ditto	15-Feb-07
		CI S SCHOOL	No action	Ditto	Ditto	Ditto	Ditto	No action
	To be a second of the	L S III S II	The silt curtain at Seawall B and desilting facilities were properly installed during monitoring period. Neither muddy water nor abnormal activities were observed by our field staff on 05 February 2007. No marine works was conducted during monitoring period, In addition, high SS levels were recorded at respective control stations (9.5 exceedances were likely attributed from an unidentified source, and not related to the construction activities of the Project.	Ditto	Ditto	Ditto	Ditto	Neither muddy water nor abnormal activities were observed by our field staff on 07 February 2007. No marine works was conducted during monitoring period. the monitoring station, WWFCZ1, is located far away from the site. SS Levels at other impact monitoring stations (WWA1, WWA2 and WWA3), locating closer to the construction site, were well within the Action/Limit Levels. The exceedance was likely attributed from an unidentified source, and not related to the construction activities of the Project.
		Level at Impact Station	18.3	25,8	15,2	13.3	20,0	13.8
	SS (mg/L)	Control	17.3	12.7	10.2	<u>ه</u>	16.5	9.2
		Baseline Check	13.0	13.0	13,0	13.0	17.0	13.0
Data		Level at Impact Station		€0	1300	2	и	
of Monitoring	Tby (NTU)	Control	2	Ü.		n.		,
Exceedance of Monitoring		Baseline Check	*	į.				
3		Level at Impact Station		1360				
	DO (mg/L)	Control	r		Pi	i i	à	,
	00	Baseline Check	ř.	11.				
A GOLDAN		Position	.0	1	a.	,	,	,
	Location					WWFCZ1	Mid-flood WWFCZ1	WWFGZ1
	•piL		Mid-ebb	Mid-ebb	Mid-ebb	Mid-ebb	Mid-flood	Мід-еББ
	Date		5-Feb-07	5-Feb-07	5-Feb-07	5-Feb-07	5-Feb-07	7-Feb-07

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

	Remark		Refer to E.1's freld record & CT's daily records.	Refer to ET's field record & CT's daily records.						
	Closing Date		23-Feb-07	2-Mar-07						
	CTs action		No action	No action						
	ETe investigation		No marine works was conducted during monitoring period. Neither muddy water nor abnormal activities were observed by our field staff during marine water quality monitoring. In addition, high SS levels were recorded at respective control station (10.8 mg/L). The exceedances were likely attributed from an unidentified source, and not related to the construction activities of the Project.	The site was closed during Chinese New Year. No marine works was conducted during monitoring period. The location of WWFCZ2 is far away from the construction site and SS Levels at other impact monitoring stations (WWA1, WWA2 and WWA3), locating closer to the construction site, were well within the Action! Limit Levels. It is likely that the exceedance on 16 February 2007 was attributed to an unidentified source, and not related to the construction activities of the Project, however, the Contractor was reminded to repair the silt curtain promptly to prevent the propagation of sediment plume.						
	SS (mg/L)	Level at Impact Station	13.7	18.7						
		Control	8,07	හ ග්						
Sata		Baseline Check	13.0	17.0						
	Tby (NTU)	Level at Impact Station	1	a .						
f Monitoring		Control	,	1						
Exceedance of Monitoring Data		Baseline Check	,	19						
	DO (mg/L)	Level at Impact Station	,	,						
		Control		6						
		Baseline Check	T.	· ·						
		Position	4							
		Location	WWA1	Mid-flood wwrFCZ2						
		TIG6	Mid-ebb	Mid-flood						
	Date		9-Feb-07	16-Feb-07						

Appendix F
Records on disposal of
C&D material by barge
and CEDD's approval letter

Shun Tat Construction Engineering Limited

	至
Date 日期:	Delivery Note No. TLT/ 07/00/
BARGE DELIVE 要於 載(RY RECORD (Marine Dunging)
Source 来被:	南麓直直鱼
Type of materials 物料類別:	洗石
Barge name 臺齡名稱:	人意幸 22
Barge registration no. 要約要系数高:	B 21696 V
Arrival time 到到時間:	
Unloading time 网络胶料時間:	
Departure time 華興時間:	
Deck level before loading 吉徹 (1):	和頭 柱 えて ぬ 和尾 紅 ろっつ コ
Deck level after loading 派徒 (2):	和事 株 2.65 m 倒尾 株 2.3 m
Estimated quantity (Base on Barge Information) 物料環境	
Destination (of Materials) [19516:	A BAR TON
Post-it [™] Fax Note	7671 Date (4/3/67 pages > _5
To Clum (A Co./Dept. Seff. Phone # Fax # 248	
(1)	
Shum Tat Construction Eng. Ltd.	Agreed By Chan We Construction & Eng. Co. Ltd.

CHUN WO HY/2005/06 14 MAR 2007 Fax from : 29836785

Serial No. 0000927296 (Information contained in this form may be displayed on Internet 此表格所戴簽料可被上藏於互聯網) Date: Vehicle Licence Plate Of departure from sites: Please stick contract no. barcode above Chop of Engineer's/Architect's Representati 請在上方點上合約顯號條碼 Outlying Islands 車牌號碼: **B** × 696 工程師/建築師代表蓋印 Location of Sile: MUNICIPED CREP FOR HY/2005/06 Sai Kung 地盤位置 西貢 Shatin 公田 WHAV El Kowloop, Gtoy 「Li Wong Tai Sin 北龍城 法表化 Tren Mun Southern 西國 Construction and Demolition Materials Tiguen Water kith Ares 3deprodumate Loads 口工格 近112 口3/4 U Full 精 C. Tai Po 大埔 Disposal Delivery Form Chop of Designated Public Filling Facility/Landfill 少人人 医乳头 在朝物禁棄我做時 Shamshing Designated Public Fulling Faculty (fairfull) 指定公眾填土設施/推填區 公眾填土設施/堆填區蓋印 C Kwai Tsing 游大步 2007 FEB 13 MM 9: 38 Contral & Western | Wagehal North Home That Man Age 30 Yau, Tsim, Mong 日期: 15.2.0 □ Kayun Terigs 劃塘 日 Yuen Long 解 元朗 油 分用 7 FEB 13 M 9: 38 Well Bank at Chop of Designated Public Filling Facility/ Landill公眾填土設施/锥填區蓋印 指定公眾填土設施/堆填區: Serial No. 0000927296 Vehicle Licence Plate Number 13. 2.0 Designated PFF/Landfill: 車牌號碼 Issued By: 簽發

土木工程拓展署 CEDD Civil Engineering and Development Department

Web site 網址 : http: E-mail 電子郵件: steve

網址: http://www.cedd.gov.hk 電子郵件: stevelo@cedd.gov.hk 包括: (852) 2762 5581

Telephone 包括
Facsimile 傳真
Our ref 本學術

傳真 : (852) 2714 0113 本署檔號: FM PF/GEN/23

Your ref 來函檔號 ; CW/390/C1/S/01-787

Chun Wo Construction & Engineering Co., Ltd. C2, 5/F, Hong Kong Spinners Industrial Building,

601-603 Tai Nan West Street,

Cheung Sha Wan

Kowloon

(Attn.: Mr Simon Wong)

Dear Sirs.

土木工程處

Civil Engineering Office

香港九龍公主道 101 號 土木工程拓展署大樓

Civil Engineering and Development Building, 101 Princess Margaret Road,

Kowloon, Hong Kong

By Fax (2744 6937) & Post

2₀ January 2007

Waste Disposal (Charges for Disposal of Construction Waste) Regulation Application for Extension of Approval for Vessel Disposal

Billing Account No. 5005407 (Vessel Account No. 5005654) Application No.: CEDD00160

I refer to your application dated 19 January 2007 requesting for the extension of the expiry period for delivering inert construction waste generated from the following construction works contract by vessels to the designated public fill reception facility at Tuen Mun Area 38 which was approved under previous application no. CEDD00087,

Contract No.:

HY/2005/06

Contract Name:

Castle Peak Road Improvement - West of Tsing

Lung Tau

I am pleased to inform you that your application has been approved and the expiry period of using vessels for disposal has now been extended to 30 June 2007. Please note that the maximum quantity of inert construction waste generated from the construction work undertaken under the contract as stated above by vessels to the public fill reception facility at Tuen Mun Area 38 is 20,000 tonnes.

The receipt of inert construction waste by vessels will be subject to the availability of berthing space at the designated facility and will be on first-come-first-serve basis. Please liaise with the Engineer's Representative of the public fill reception facility at Tuen Mun Area 38, Mr TANG Hon-cheung, at tel: 2762 5602 for the material delivery logistics.

興土木 利民生 齊拓展 創明天

We bring the best engineering to life

You are bound by the "Basic Conditions" and "Conditions of Use" for vessel disposal accompanied with this application, and the attached "Special Conditions of Use" for delivering inert construction waste to the public fill reception facility.

Your application for issuance of vessel chits is being processed, and 10 chits are being prepared. A separate notification letter will be sent to you by the Environmental Protection Department accordingly. Please note that one vessel chit is required for each barge load of inert construction waste to be disposed of at the designated public fill reception facility. For the calculation of the quantity of construction waste delivered to a public fill reception facility and the public fill charge payable (if applicable), each load of waste delivered by an approved vessel is equal to the maximum load of the vessel.

Yours faithfully,

(Steve LO)

for Chief Engineer/ Fill Management Civil Engineering and Development Department

y zoll

c.c.(w/encl.)

DEP

DEF

CE/MW2-1, HyD

Meinhardt Halcrow JV

(Attn.: Ms Jenny Lui/ Mr Tom Lai)

(Attn.: Mr Fred C L Au)

(Attn.: Mr Simon Illingworth)

Fax: 2872 0509

AE1 / ED00

2714 5289

2559 1613

Special Approval Conditions of Use for Vessel Disposal

Application No.	CEDD00160							
Previous Application No.	CEDD00087							
Billing Account No.	5005407							
Vessel Billing Account No.	5005654							
Name of Applicant	Chun Wo Construc	ction & Engineering	g Co., Ltd.					
Contract No.	HY/2005/06							
Contact Name	Castle Peak Road Improvement – West of Tsing Lung Tau							
Total Remaining Quantity	20,000 tonnes							
of Inert Construction								
Waste to be disposed of by								
Vessels								
Period of using Vessels for	up to 30 June 2007							
Disposal*								
Designated Public Fill	Tuen Mun Area 38							
Reception Facility								
Frequency of Disposal by	Subject to the availability of berthing space at the							
Vessels	public fill reception facility at Tuen Mun Area 38							
Material Acceptance	Size less than 250mm							
Criteria for Inert								
Construction Waste								
Particulars of Approved	Vessel Type	Vessel Licence	Maximum Load					
Vessels to be used for		No.	(tonnes)					
Disposal	Steel Lighter:							
	Shun Tat 22	21696V	2371.9					
	Shun Tat 28**	21608V	2536.0					

^{*} Extension of period under this application no. CEDD00160



^{**} Vessel approved under this application no. CEDD00160