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) September 2006

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) September 2006

October 2006

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

11/F Grand Central Plaza, Tower 2, 138 Shatin Rural Committee Road, Shatin, N.T., Hong Kong

茂盛環境管理顧問有限公司

香港新界沙田鄉革會路 138 號新城市中央廚場 2 座 11 栂

T +852 2893 1551 F +852 2891 0305 www.maunsell.aecom.com

Your Ref.: --

Our Ref: S001-06/c/cwhy610131

By Fax (2417 0134) and Post

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

Attn: Mr. Michael S Harfoot

13 October 2006

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) - September 2006

We refer to the Monthly EM&A Report for Reclamation Works (EP No. EP-219/2005) - September 2006 received via emails on 10 October 2006 from Ove Arup & Partners Hong Kong Ltd., the Environmental Team (ET) of Castle Peak Road Improvement - West of Tsing Lung Tau (Remaining Contract).

Having addressed the IEC's comment on 12 October 2006, the Monthly EM&A Report for Reclamation Works (EP No. EP-219/2005) - September 2006 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

MHJV Arup

Mr. Simon Illingworth

Mr. Sam Tsoi / Mr. Fredrick Leong

(Fax: 2559 1613) (Fax: 2268 3950)



Page 1 of 1



Job title		Contract No I Tsing Lung T	HY/2005/06 Castle Peak R	oad Improvement – West of	Job number			
		TSING LUNG T	au		24583			
Document title		Monthly Envi Works (EP N	Monthly Environmental Monitoring and Audit Report for Reclamation File reference Works (EP No EP-219/2005) – September 2006					
Document re	f							
Revision	Date	Filename	17-Sep-06 (Reclamation	n).doc				
First Issue	10/10/06	Description	Submit to IEC for comm	ents				
			Prepared by	Checked by	Approved by			
		Name	Raymond Liu	Fredrick Leong	Sam Tsoi			
		Signature						
Second	12/10/06	Filename	17-Sep-06 (Reclamation	n)_RevA.doc				
Issue		Description	Submit to ER with IEC's	verification letter				
			Prepared by	Checked by	Approved by			
		Name	Raymond Liu	Fredrick Leon	Sam Tsoi			
		Signature	Raymond	Juli				
		Filename	J	V				
		Description						
			Prepared by	Checked by	Approved by			
		Name						
		Signature						
		Filename						
		Description						
			Prepared by	Checked by	Approved by			
		Name						
		Signature						
				Issue Document Verifica	ation with Document			

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	e 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 license ompliance records	es and 24
	6.1	Site Audit Findings	24
	6.2	Waste Disposal	26
	6.3	Complaint Record	26
	6.4	Exceedance	26
	6.5	Notification of Summons and Successful Prosecution	27
	6.6	Environmental Licenses	27
7	Conclu	usions	28
8	Refere	ences	28

<u>Tables</u>

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

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 September 2006
Figure 5-2:	DO levels (bottom level) at mid-ebb tide in September 2006
Figure 5-3:	DO levels (surface and middle level) at mid-flood tide in September 2006
Figure 5-4:	DO levels (bottom level) at mid-flood tide in September 2006
Figure 5-5:	Turbidity levels at mid-ebb tide in September 2006
Figure 5-6:	Turbidity levels at mid-flood tide in September 2006
Figure 5-7:	SS levels at mid-ebb tide in September 2006
Figure 5-8:	SS levels at mid-flood tide in September 2006

Appendices

Appendix A	Construction programme
Appendix B	Monitoring schedule for September and October 2006
Appendix C	Calibration certificates of marine monitoring equipment
Appendix D	Marine water quality monitoring results
Appendix E	Investigation summary on marine water quality exceedances

Executive Summary

This is the seventh monthly environmental monitoring and audit (EM&A) report presenting the progress of environmental monitoring and audit works for the reporting period between 1 September 2006 and 30 September 2006. Noise monitoring at Grand Bay Villa was temporarily suspended as the premises were vacant with no resident. Marine water monitoring and weekly environmental site audit were carried out during the reporting period.

Marine Water Quality

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 and bottom positions were 5.57 mg/L and 5.35 mg/L respectively at WWFCZ1 on 25 September 2006. There were no exceedances 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 was 11.1 Nephelometric Turbidity Unit (NTU) at WWA3 on 25 September 2006. There were 2 exceedances of Tby Baseline Check Criteria on 22 and 25 September 2006 and 2 exceedances of Limit Level on 25 September 2006 when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

The highest SS level was 17.8 mg/L at WWA2 and WWA3 on 25 September 2006. There were 10 exceedances of SS Baseline Check Criteria on 6, 8, 20, 22 and 25 September 2006 when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

Summary of Mid-Flood Tide

The lowest DO level for surface & middle and bottom positions were 5.64 mg/L at WWA3 on 20 September 2006 and 5.37 mg/L at WWFCZ2 on 4 September 2006 respectively. There were no exceedances of DO levels 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 was 6.2 NTU at WWFCZ2 on 27 September 2006. There were no exceedances of Tby Levels 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 was 18.7mg/L at WWFCZ1 on 12 September 2006. There was 1 exceedance of SS Baseline Check Criteria on 14 September 2006 when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

Environmental Auditing

A total of 4 environmental site audits were conducted on a weekly basis in September 2006. No non-conformance to the environmental requirements was identified during the reporting period. The improvement actions against observations during the site audits for the CT included:

Air quality: Cover excavated materials and exposed slopes;

Noise: Close the door while generator in operation;

Water quality: Frequent clearing of mud trails and stagnant water; provision of treatment of site surface runoff before discharging;

Waste Management: Frequent clearing of construction waste and general refuse; and

Chemical Waste: Provision of driptray to oil drum; storage of chemical waste in the chemical waste storage tank

Waste Disposal

A total of 64 tonnes of Construction & Demolition (C&D) waste and a total of 21,614 tonnes of C&D materials (transported by trucks) were disposed of at WENT Landfill and Public Filling Reception Facility at Tuen Mun Area 38 respectively in September 2006. No chemical waste was disposed of during the reporting period.

Complaint Records

No environmental complaint was received during the reporting period.

Exceedance

There were exceedances of Tby and SS levels for marine water quality in September 2006 when compared with A/L Levels and baseline check criteria. After ET's investigation, only 1 exceedance of SS Baseline Check Criteria was likely due to the construction activities of the Project. The remaining exceedances were unlikely related to the Project and might be due to natural variation of marine water.

The exceedance of SS level at WWA2 on 14 September 2006, which was related to the Project, was likely due to heavy rainstorm in preceding day (i.e. 13 September 2006). Muddy runoff was observed discharging into nearby gullies at Castle Peak Road from the site entrance of Slope A and muddy marine water was also observed near Seawall A and B during site inspection conducted by ET auditor on 14 September 2006. Although the exceedance of SS level was only marginal to the Baseline Check Criteria, the SS level at WWA2 was higher than that at control station, WRA2.

Notification of Summons and Successful Prosecution

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

Environmental Licences

There was no environmental licence 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).

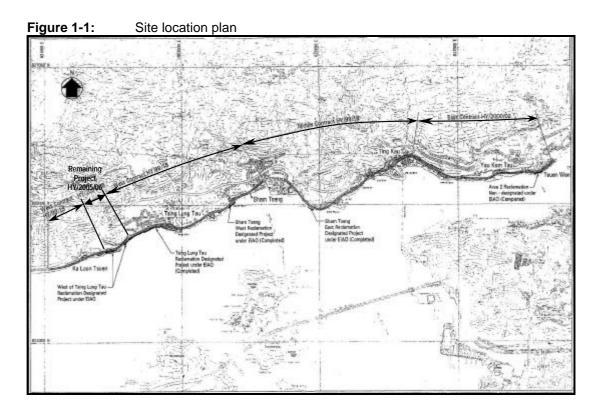
Prior to inviting tenders for Contract No. HY/99/18, a section of the proposed works, between Ch.1+800 and Ch.2+240, west of Tsing Lung Tau, was excised from the Project and entrusted to the Route 10 – North Lantau to Yuen Long Highway project. This 440m long section of CPR was located under the proposed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

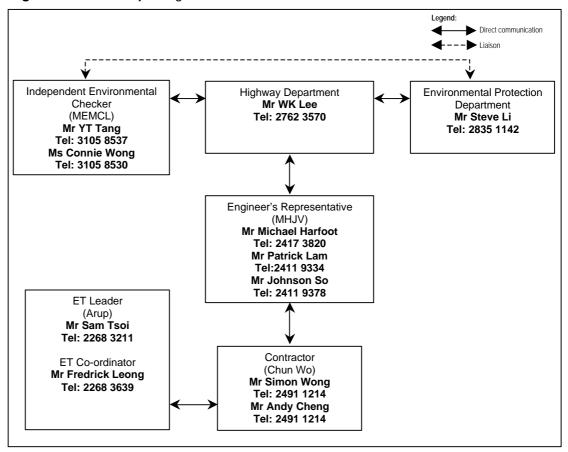
- The area of reclamation to the east of Grand Bay Villa is about 0.12 ha. The length of this part of the reclamation, measured parallel to the road, is about 107 m, and the maximum width, measured from the existing High Water Mark (HWM) to the proposed toe of the scour apron is about 16 m, of which 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 seventh 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 1 September 2006 to 30 September 2006.

2 Scope of Construction Works

2.1 Construction Programme

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

2.2 Construction Activities of the Month

The major construction activities carried out by CT in September 2006 included:

- Construction of upper RC retaining wall and backfilling at Seawall A; and
- Backfilling and complete Rock Armour 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 September 2006 and the tentative schedule for October 2006 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 Leq(5 min) will only be measured if construction activities are conducted in holidays and between the period of 1900 and 0700 hours during normal weekdays.

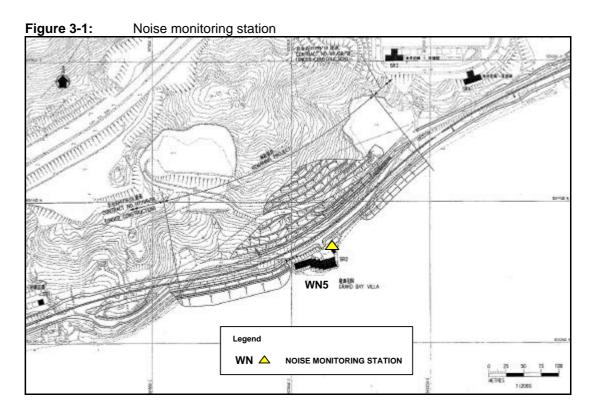
3.1.3 Monitoring Location

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

Table 3-2: Construction noise monitoring locations

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

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



3.2 Marine Water Quality

3.2.1 Monitoring Parameters

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

3.2.2 Monitoring Frequency

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

3.2.3 Monitoring Locations

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

Table 3-3: Marine water quality monitoring locations

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

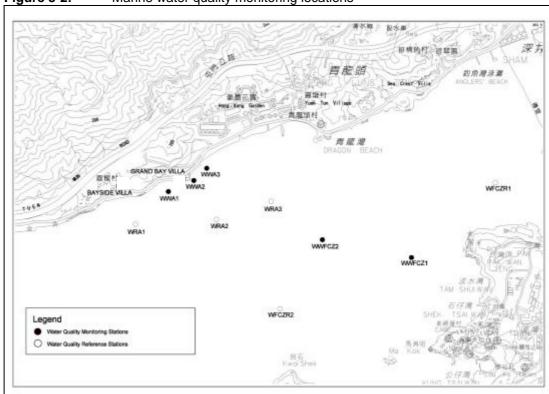


Figure 3-2: Marine water quality monitoring locations

3.3 Performance Limits and Event and Action Plan

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

3.3.1 Construction Noise

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

Table 3-4: Action and Limit Levels of construction noise

Time Period	Action Level	Limit Level
0700 - 1900 hours on any day not being a Sunday or public holiday	When one documented complaint is received	75dB(A)

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

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

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

3.3.2 Marine Water Quality

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

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

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

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

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

						Monitoring	locations					
Parameters		WWA1		ww	WWA2		WWA3		WWFCZ1		WWFCZ2	
		Action Level	Limit Level									
					Mid	-ebb						
DO	Surface & middle	3.5	3.5	3.5	3.4	3.4	3.3	5.0 *	5.0	5.0 *	5.0	
(mg/L)	Bottom	3.4	3.4	3.4	3.3	3.4	3.2	3.7	2.0	3.6	2.0	
-	Tby (NTU)	7.4	7.7	6.7	6.9	7.8	8.3	6.4	8.6	6.7	7.0	
;	SS (mg/L)	25.3	26.0	22.2	23.1	24.6	25.2	26.3	30.3	22.6	22.9	
					Mid-	flood						
DO	Surface & middle	3.3	3.3	3.4	3.3	3.5	3.3	5.0 *	5.0	5.0 *	5.0	
(mg/L)	Bottom	3.2	3.2	3.2	3.2	3.2	3.2	3.3	2.0	3.5	2.0	
Tby (NTU) 6.9 7.2 7.6 8.2 8.7 10.7 7.4 11.0 5.		5.9	6.5									
	SS (mg/L)	24.1	24.3	23.5	23.6	22.3	23.5	24.4	25.8	27.4	28.0	

Notes:

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

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

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

Parameters			Monitoring locations						
		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-	lood					
DO	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	CT				
Action Level			<u>, </u>					
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	oxoodanoo.							
Limit level being exceeded by one sampling day	Repeat in-situ measurement to confirm findings. Identify source(s) of impact. Inform the IEC, the CT and the DEP. Check monitoring data, all plant, equipment and the CT's working methods. Discuss mitigation measures with the IEC, the ER and the CT. Ensure mitigation measures are implemented. Increase the monitoring frequency to daily until no exceedance of the Limit Level. Repeat in-situ measurement to confirm	Discuss with the ET Leader and the CT on the mitigation measures. Review proposals on mitigation measures submitted by the CT and advised the ER accordingly. Assess the effectiveness of the implemented mitigation measures. Discuss with the ET Leader and	Discuss with IEC, the ET Leader and the CT on the proposed mitigation measures. Request the CT to critically review the working methods. Make agreement on the mitigation measures to be implemented. Assess the effectiveness of the implemented mitigation measures. 1. Discuss with IEC, the ET Leader and the CT	Inform the ER and confirm notification of the non-compliance in writing. Rectify unacceptable practice. Check all plants and equipment. Consider changes of working methods. Discuss with the ET Leader, the IEC and the ER, and propose mitigation measures to the IEC and the ER within 3 working days. Implement the agreed mitigation measures.				
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.	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 lect, 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. 	the non-compliance in writing. Rectify unacceptable practice. Check all plants and equipment. Consider changes of working methods. Discuss with the ET Leader, the IEC and the ER, and propose mitigation measures to the IEC and the ER within 3 working days. Implement the agreed mitigation measures. As directed by the ER, slow down or stop all or part of the construction activities.				

3.4 Site Inspection and Environmental Complaint Handling

3.4.1 Site Inspection Frequency and Areas Covered

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

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

3.4.2 Site Inspection Procedures

- a) The CT and/or ER will advise the Environmental Auditor (EA) of the ET for all information on any environmental related aspects.
- b) The EA will discuss with the CT and/or ER to sort out and forecast any potential environmental impact.
- c) The EA will conduct a site walk with the CT and/or ER, particularly the areas with extensive construction works.
- d) The EA will conduct inspection for the main environmental facilities and measures such as wheel washing facilities located at site exits, water spraying truck, temporary noise barrier, and internal noise-reducing measures of the heavy equipment etc, to ensure that these environmental facilities operate normally and effectively.
- e) The EA will fill up a site inspection checklist during the site inspection for recording any special observations.
- f) The EA will conduct post-discussion with the CT and/or ER for the establishment of additional/special measures if any non-conformance is found. The completion date for such additional measures will be confirmed during the post-discussion.
- g) The EA will propose a reasonable timeframe together with the CT and/or ER, for the preparation of the proposal for remediation of environmental non-compliance.
- h) The completed site inspection checklist will be signed by the EA, the CT and/or ER, for reference and for taking action in accordance with the agreed procedures, reporting systems and time frame.

3.4.3 Environmental Complaints

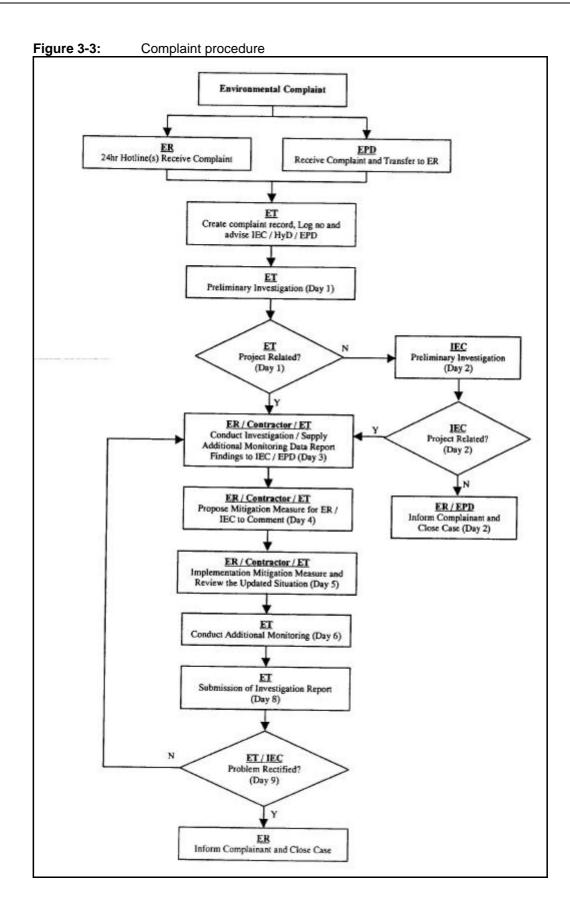
A 24-hour complaint hotline at 6277 7465 has been established for the Project. In accordance with the EM&A Manual, environmental complaints will be referred to the ET for initiation of the complaint investigation procedures. The ET will undertake the following procedures upon receipt of complaints:

- The ET will record the details of the complaint and the date of receipt into the complaint database, and inform ER immediately.
- b) The ET will perform compliant investigation to determine its validity and to assess whether the source of the problem is due to work activities.
- c) The ER will instruct the CT to identify mitigation measures in consultation with the ET, if the compliant is valid and due to works.
- d) The ET will liaise with the CT on their mitigation measure proposals and implementation, if required.

- e) The ET will conduct review of the CT's response on the identified mitigation measures, and of the updated situation.
- f) The ET will submit interim report to EPD if the complaint is received via EPD. The interim report will clearly state the status of the complaint investigation and the follow-up action within the time frame assigned by EPD.
- g) The ET will undertake additional monitoring and audit to verify the situation if necessary, and ensure that any valid reason for complaint does not recur.
- h) The ET will report on the investigation results and the subsequent actions to the source of complaint for responding to the complainant. If the source of complaint is via EPD, the results will be reported within the time frame assigned by EPD.
- The ET will record the details of the complaint, investigation, subsequent actions and results in the monthly EM&A report.

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

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



4 Noise Monitoring

4.1 Monitoring Equipment

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

Table 5-1: Equipment list for construction noise monitoring

Equipment	Manufacturer & Model No.	Precision Grade	Qty.
Integrating sound level meter	Rion NA-27	IEC 451 Type 1	1
Windshield	Brii el & Kjær UA0237	IEC 651 Type 1 IEC 804 Type 1	1
Acoustical calibrator	Brii el & Kjær 4226	TEC 604 Type T	1
LCD wind speed indicator	Kestrel Vane Anemometer		1

4.2 Methodology

4.2.1 Occupancy Status of Grand Bay Villa

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

4.2.2 Field Measurement

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

4.2.3 Equipment Maintenance and Calibration

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

4.3 Results and Observations

4.3.1 Occupancy Status of Grand Bay Villa

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

5 Marine Water Quality Monitoring

5.1 Marine Water Quality Monitoring Equipment

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

Table 5-1: Marine water quality monitoring equipment

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

5.2 Methodology

5.2.1 DO, Temperature and Salinity Measuring Equipment

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

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

5.2.2 Tby Measurement Instrument

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

5.2.3 SS

The following equipment was used to monitor the SS:

- 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 and bottom positions were 5.57 mg/L and 5.35 mg/L respectively at WWFCZ1 on 25 September 2006. There were no exceedances 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 was 11.1 Nephelometric Turbidity Unit (NTU) at WWA3 on 25 September 2006. There were 2 exceedances of Tby Baseline Check Criteria on 22 and 25 September 2006 and 2 exceedances of Limit Level on 25 September 2006 when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

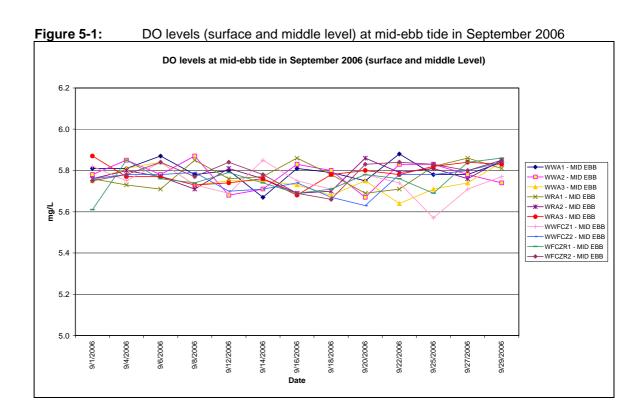
The highest SS level was 17.8 mg/L at WWA2 and WWA3 on 25 September 2006. There were 10 exceedances of SS Baseline Check Criteria on 6, 8, 20, 22 and 25 September 2006 when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

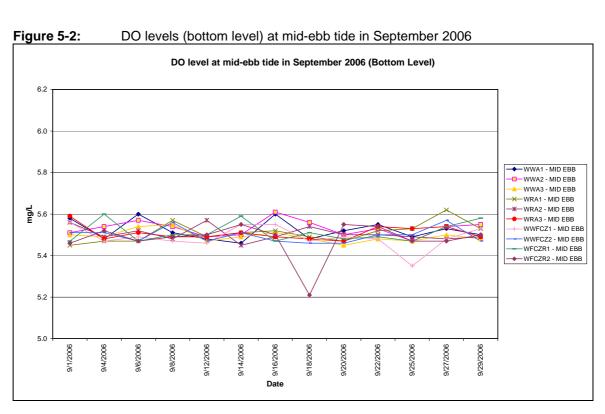
Summary of Mid-Flood Tide

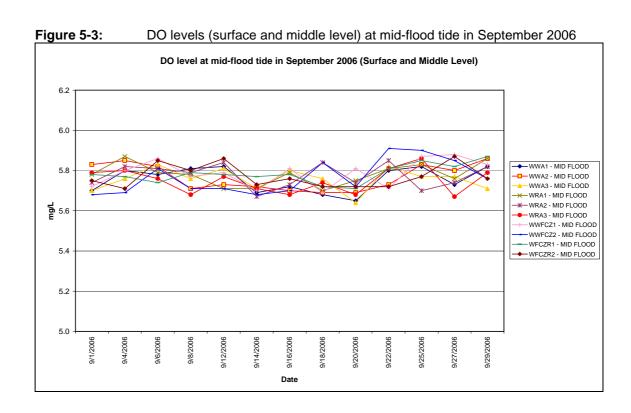
The lowest DO level for surface & middle and bottom positions were 5.64 mg/L at WWA3 on 20 September 2006 and 5.37 mg/L at WWFCZ2 on 4 September 2006 respectively. There were no exceedances of DO levels during reporting period when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

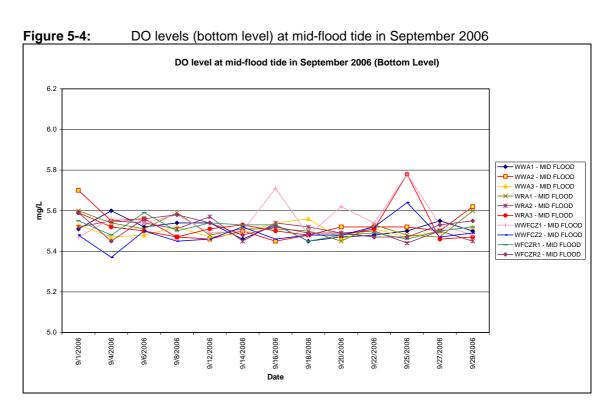
The highest depth-averaged Tby level was 6.2 NTU at WWFCZ2 on 27 September 2006. There were no exceedances of Tby Levels during reporting period when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

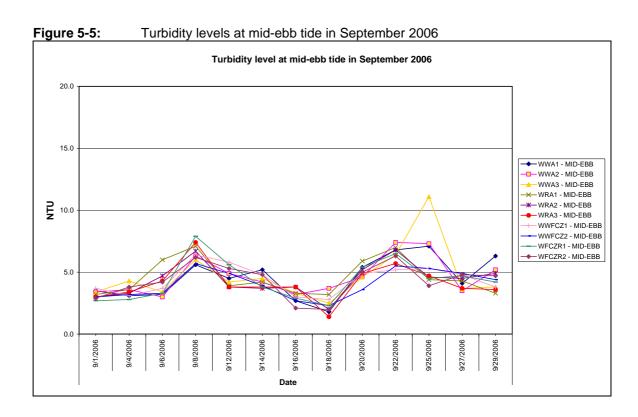
The highest SS level was 18.7mg/L at WWFCZ1 on 12 September 2006. There was 1 exceedance of SS Baseline Check Criteria on 14 September 2006 when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

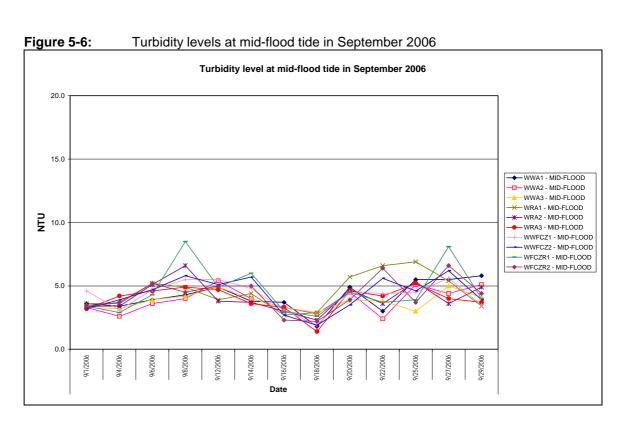


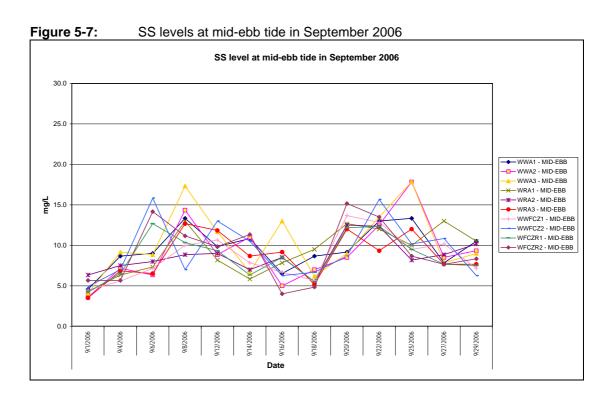


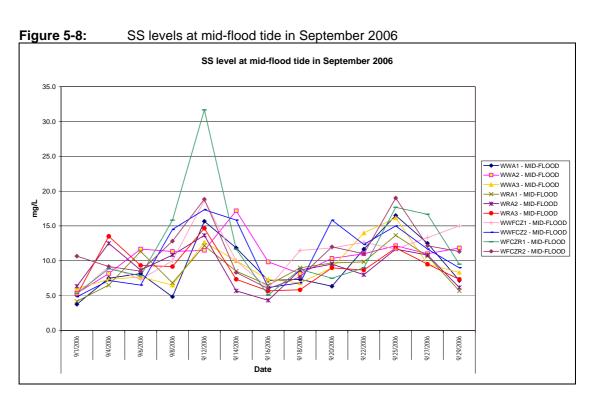












6 Site Inspection, Waste Disposal, environmental complaints, environmental licenses and non-compliance records

6.1 Site Audit Findings

Four weekly environmental site audits were carried out on 7, 14, 21 and 28 September 2006. The findings of the site audits are summarised in **Table 6-1**.

 Table 6-1:
 Findings of weekly environmental site audit in September 2006

Date of Issue Raised	Observation	Advice from EA	CT's Response / Environmental Outcomes	Closing Date
7 September 2006 (WTLT 033)	1. General refuse and construction waste were observed at haul road towards Seawall A.	CT was reminded to clear the waste as soon as possible.	Agreed with the ET's advice.	14 September 2006
	General refuse was observed beside silt curtain at Seawall A.	CT was reminded to clear the waste.	Agreed with the ET's advice.	
	Mud trails were observed along Castle Peak Road near to Grand Bay Villa.	CT was reminded to clear the mud trails.	Agreed with the ET's advice.	
14 September 2006	Stockpile was not covered near carpark.	CT was reminded to cover the stockpile as soon as possible.		5 October 2006
(WTLT 034)	Stagnant water was observed near carpark.	CT was reminded to remove the stagnant water.	Agreed with the ET's advice.	21 Sep 2006
	3. Water spraying was not provided during road breaking works opposite to carpark.		Agreed with the ET's advice.	21 Sep 2006
	4. Stagnant rainwater was observed accumulated along the Castle Peak Road between Slope D and E.	CT was reminded to clear the rainwater to prevent mosquito breeding.		21 Sep 2006
	5. Scrapped wood was observed behind Seawall A.	CT was reminded to remove the construction waste.	Agreed with the ET's advice.	21 Sep 2006
	6. Muddy water was observed discharging into nearby gullies from the entrance towards Slope A and Slope B. Workers were clearing the silt from the gullies.	CT was reminded to clear the muddy water along Castle Peak Road and silt at the gullies.	Agreed with the ET's advice.	28 Sep 2006

Date of Issue Raised	Observation	Advice from EA	CT's Response / Environmental Outcomes	Closing Date
	7. Oil leakage was observed from a portable generator located on Castle Peak Road near Seawall B.	CT was reminded to clear the oil on the road immediately.	Agreed with the ET's advice.	21 Sep 2006
	8. Mud trails were observed along Castle Peak Road.	CT was reminded to clear the mud trails.	Agreed with the ET's advice	21 Sep 2006
	Broken silt curtain was observed at Seawall B.	CT was reminded to repair the silt curtain before conducting any filling works.	Agreed with the ET's advice	28 Sep 2006
	10. Muddy water was observed at sea near Seawall A.	CT was reminded to provide water mitigation measures.	Agreed with the ET's advice	21 Sep 2006
	11. Oil stain was observed on the ground around oil drum storage area located at the bore piling site.	CT was reminded to remove the oil stain.	Agreed with the ET's advice	5 Oct 2006
	12. General refuse was observed along the haul road on the slope at the bore piling site.	CT was reminded to clear the refuse and provide rubbish bins within the site.	Agreed with the ET's advice	21 Sep 2006
	13. A waste battery was observed left on the haul road on the slope at the bore piling site.	CT was reminded to keep all chemical waste in the chemical waste storage area.	Agreed with the ET's advice	21 Sep 2006
	14. A vehicle tyre was left on the slope at the bore piling site.	CT was reminded to remove the waste tyre as soon as possible.	Agreed with the ET's advice	21 Sep 2006
	15. The shelter for the chemical waste storage was broken.	CT was reminded to repair the shelter as soon as possible.	Agreed with the ET's advice	28 Sep 2006
21 Sep 2006 (WTLT 035)	An oil drum was observed without drip tray at the eastern end of the site boundary.	CT was reminded to provide driptray to the oil drum and store the oil drum in a proper position.	Agreed with the ET's advice.	
	General refuse was observed at the eastern end of the site boundary.	CT was reminded to clear the waste and maintain good housekeeping within the site.	Agreed with the ET's advice.	28 Sep 2006
	3. A generator was observed in operation without door closed and the door was observed broken.	CT was reminded to repair the door immediately and close the door while the generator is in operation.	Agreed with the ET's advice.	
	4. Contaminated soil, which was due to leakage of oil drum, was observed on the haul road of the bore piling site.	CT was reminded to remove the contaminated soil as soon as possible	Agreed with the ET's advice.	5 Oct 2006

Date of Issue Raised	Observation	Advice from EA	CT's Response / Environmental Outcomes	Closing Date
	5. General refuse and stagnant water were observed inside the catchpit located in the bore piling site.	CT was reminded to remove the refuse and provide mosquito control measures.	Agreed with the ET's advice.	5 Oct 2006
	6. Two silt traps at Seawall B were nearly full.	CT was reminded to clear the silt traps as soon as possible.	O .	28 Sep 2006
	7. Stagnant water was observed at the entrance of carpark.	CT was reminded to provide mosquito control measures or clear the stagnant water.	O .	
28 September 2006	The haul road of the bore piling site was observed dry.	CT was reminded to provide water spraying along the haul road regularly.	Agreed with the ET's advice.	5 October 2006
(WTLT 036)	2. Rubbish bin was not observed along the bore piling site.	CT was reminded to provide adequate rubbish bins within the site.	Agreed with the ET's advice.	

6.2 Waste Disposal

Disposal of waste material in the reporting period generally complied with the corresponding waste disposal requirements. The waste disposal quantity in the reporting period is summarised in **Table 6-2**.

Table 6-2: Waste disposal quantity in September 2006

Type of waste or material		Disposal at	No. of loads or quantities
C&D waste		WENT Landfill	64 tonnes
C&D material	By truck	Public Filling Reception Facility in Tuen Mun Area 38	21,614 tonnes
Chemical waste		Collected by licensed collector	0

6.3 Complaint Record

There was no environmental complaint received in September 2006.

6.4 Exceedance

There were exceedances of Tby and SS levels for marine water quality in September 2006 when compared with A/L Levels and baseline check criteria. After ET's investigation, only 1 exceedance of SS Baseline Check Criteria was likely due to the construction activities of the Project. The remaining exceedances were unlikely related to the Project and might be to due to natural variation of marine water. All the exceedances are summarised in **Table 6.3** and **Table 6.4**. The details of the investigation was summarised in **Appendix F**.

The exceedance of SS level at WWA2 on 14 September 2006, which was related to the Project, was likely due to heavy rainstorm in preceding day (i.e. 13 September 2006).

Muddy runoff was observed discharging into nearby gullies at Castle Peak Road from the site entrance of Slope A and muddy marine water was also observed near Seawall A and B during site inspection conducted by ET auditor on 14 September 2006. Although the exceedance of SS level was only marginal to the Baseline Check Criteria, the SS level at WWA2 was higher than that at control station, WRA2.

Table 6-3: Summary of exceedances of marine water quality monitoring related to construction works of the Project in September 2006

			Exceedances of monitoring data					
Date Tide		de Location	Tby (NTU)		SS (mg/L)			
Juio			Control Station	Impact Station	Exceedance of	Control Station	Impact Station	Exceedance of
14-Sep	Mid-flood	WWA2	-	-	-	5.7	17.2	Baseline Check

Table 6-4: Summary of exceedances of marine water quality monitoring not related to construction works of the Project in September 2006

					Exceedances o	of monitoring data		
Date	Tide	Location	Tby (NTU)		SS (mg/L)			
			Control Station	Impact Station	Exceedance of	Control Station	Impact Station	Exceedance of
6-Sep	Mid-ebb	WWFCZ2	-	-	-	14.2	15.8	Baseline Check
8-Sep	Mid-ebb	WWA1	ı	-	-	13.0	13.3	Baseline Check
8-Sep	Mid-ebb	WWA2	ı	II.	ı	8.8	14.3	Baseline Check
8-Sep	Mid-ebb	WWA3	ı	•	-	12.7	17.3	Baseline Check
20-Sep	Mid-ebb	WWFCZ1	1	-	-	12.2	13.7	Baseline Check
22-Sep	Mid-ebb	WWA2	6.8	7.4	Baseline Check	-	-	-
22-Sep	Mid-ebb	WWA3	ı	•	-	9.3	13.5	Baseline Check
22-Sep	Mid-ebb	WWFCZ2	-	-	-	13.5	15.7	Baseline Check
25-Sep	Mid-ebb	WWA1	4.4	7.1	Baseline Check	10.0	13.3	Baseline Check
25-Sep	Mid-ebb	WWA2	4.6	7.3	Limit Level	8.2	17.8	Baseline Check
25-Sep	Mid-ebb	WWA3	4.7	11.1	Limit Level	12.0	17.8	Baseline Check

6.5 Notification of Summons and Successful Prosecution

No notification of summons and prosecution was received in September 2006.

6.6 Environmental Licenses

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

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-RW0326-06	9 June 2006	8 December 2006
Construction Noise Permit	GW-RW0349-06	23 June 2006	22 December 2006

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, only 1 exceedance was likely 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. The major environmental concerns were related to air quality, noise, water quality, waste management and chemical waste.

All C&D materials were transported to PFRF at Tuen Mun Area 38 by trucks during the reporting period.

8 References

- [1] Mouchel Halcrow Joint Venture. January 2006. Supplementary Agreement No.1 Remaining Project EM&A Manual for Construction of Reclamation West of Tsing Lung Tau.
- [2] Ove Arup & Partners Hong Kong Limited. April 2006. Contract No.HY2005/06 Castle Peak Road Improvement – West of Tsing Lung Tau. Environmental Baseline Monitoring Report for Reclamation Works (EP No. EP-219/2005) (Second Issue)

Appendix A
Construction programme



Column C	FAL. Commencement of Works					1		_		}
Control Cont	Contract Competition Competition Competition Contract Contra				-					
10	Confract Completen Dates Section 1 - Construction Works Section 1 - Construction Works 490									
	Societion I - Construction Works 490	23/05/08			ALCOHOL: NAME OF PERSONS ASSESSMENT			-	Contract Con	- dielienin
1	Potion A Site Possession Potion A Site Possession Ordrofto B Site Possession Ordrofto B Site Possession Ordrofto E Site Possession Oscilor I E I I I I I I I I I I I I I I I I I	24/04/07	- R		Section!	Construction Works				
The control to the	Portion Casto Sile Possession Portion Casto Sile Possession Portion E Sile Possession O Portion E Sile Possession O Section I compilation O Section I compilation O Section I Landscaping Works Section II compilation C Section II compilation O Section II compilation O O Section II compilation O O O O O O O O O		8-							
Control Cont	Protion E Sile Prosession 0 Socker I completion 0 Muhranango Pertod (Seafon 1 & II) 395 Socion II - Landecaping Works 520		2 - i-			1		+	-	1
10	Section I completion Mulnionaryo Period (Section 1 & II) Section II - Landecaping Works Section II completion Section II completion	Ī	F Site Donne							
Mainton invention and protection at 11 yr 20 y	Mahriennanzo Period (Section 1 & II) 395 Socilon II - Landecaping Works 52n Section II completion 0	24/04/07	-		Section	- independent				
Section Lancably Work Section	Seetlon II - Landscaping Works 520 Section II completion 0	22/05/08						-	Maintenance	Period (5e
10 Section 1 control 10 C	Section II completion	24/05/07	The state of the s		Seo	Jon II - Landscaping Work		_		
100 Section 10 Exercision 100 10		24/06/07				tion il completion		 -		-
The contraction of the contrac	Section III- Establishment 885	23/05/08		The state of the s	The second second second	Marie Contraction of the Contrac			Saction III.	dabilahme
Contraction to the part of t	ompleifon	23/05/08							Section Me	on plant
Security Transcription Security Control Security	LIMINARIES	有种的人								
Constitution (CH2,000 OC CH2,100) Constitution (CH2,000 OC CH2		05/02/08	- 44	Tzatión						
A CONSTRUCTION CHECK 2000 OF		31/01/06	Schem	(PSt)task(6))						
Comment Relay and Deceasion with (s) Comment Relay an	4 Construction(Ch2+030 to Ch2+150) ed Pile Wall at Both Ends at GL			**************************************						
The principal control between the principal control								•••		
10.00 Particular Particul	valve Study and Discussion with HyD	90/03/00	<u>, ji</u>	Ussion with HyD	===					
10.0 Comment of the Apple of Comment of	Preliminary Design	04/03/06	Preliminary Design							
100 Charles of the Account 4 Charles	Eningear's In-Paindpie Endorsoment	03/04/06	Phin	ple Endonment	==			••	•••	
100 Contaction	Circulation & AIP Approval	18/05/06		1 & AlP Approved						
10.00 Contraction, LGC Charles by 10.00 A laptower 10.1 10.00 to the contraction of the contraction	Dolalled Design	18/05/06	М.	relan	-		_	-		
10.0	Circulation, ICE Checking & DDA Approval	90/90/10		British Chrodinion, CE Checking & DDA Ap	roval !!					
17.10 Principal of State Pays to South HP59. 10.100000 12.	Construction Drawings	14/06/08		Construction Drawings	==		 			
10.00 Temporary Cut Stocks (10, 2005-2109)	Purchashing of Steel Pipe for Socket H-Pile	25/10/06		Purchasing of Sta	Pipe for Socker H-File		1	+	-	1
10.00 Prest Stage Stallbach (Soft Mail Styre Cook) 20 1000000 10000000 1000000 1000000 1000000 1000000 1000000 1000000 1000000 1000000 1000000 1000000 1000000 1000000 1000000 1000000 1000000 1000000 1000000 1000000 10000000 1000000 1000000 1000000 1000000 1000000 1000000 1000000 10000000 10000000 10000000 10000000 10000000 10000000 10000000 10000000 10000000 10000000 100000000	Transport Of the 10th 2005 2100	SATATA			==					
1000 1000	The state of the s	and	7	Construction and on the local party and the lo						
Princip Chargeony Cut (Stype (Ch. 2017) Chargeony Cut (Stype (Ch. 20	Frequencia to Road Formation & Bock Cat	Dartons		The state of contract of the state of the st	Control of Control					
1970 Princip Carrol	Temporary Cut Stope (Ch 2075-2115) 30	04/11/06		. A Marie Temporary Curt	lope (Ch 2073-2115)					
Proposition of Proceedings Procedure	Tomp Slope Stabilisation (Spil Naf+ Spray conc) 25	04/12/06		TempSla	W Stabilization (Soll Nells Spra	y corne)		-		
	Excavation to Road Formation & Rock Cut. 22	03/01/07		X-S	evelor to Road Formation & R	ool; Cut		-		-
Mass Secretaria National State	Orting Pre-bored H-Plie (34nos) 2 Phys 68	29/03/07			and Pre-bone	d H-Pile (\$4nos) 2 Rigs				
100 Well Packet Controlled 100	Bot Capping Beam & RC Wall Construction 30	70/50/60			Bot Car	polnig Beam & RC Wall Co	nstruction	••		
Step The best Basensee Wholes at Top Copycing Basen 22 1000007 10000007 1000007 1000007 1000007 1000	Mass Concrete Well Construct 30	09/05/07				ondrate Wall Construct				
The Heal Faulty Panel Installation Li Charmel constitut Application Annal Enable Panel Installation Li Charmel constitut Annal Enable Panel Installation Li Charmel constitut Annal Enable Panel Installation Li Charmel constitut Annal Enable Panel Installation Li Charmel Constitution Annal Ena	Stope Re-Instatement Works & Top Capping Beam 22	04/06/07				oce Ra-Instatement Work	3 & Top Capolng Beam			
Transport (2015) Transport (Wall Facho Panal Installation II Channel constru	0607/07				Wall Federal Paral In	etali Honel LC monel con	1 11/2		
Charles Char	Son - Enot Side								-	-
Temporary Control Cont	Tomorran Cid Stock (Or 2198 2000)	Sometime		The state of the s	==			-		-
Control Prop Super State Property Control Control Property Con	temporary cut propo (or Erecency)	Sallonia		Company of the Compan				-		
Character Contract	temp Stock Statistical (See Nett Spray conc)	Odrosioo		DO LINOUS HOUSE OF THE STATE OF	in same spirits and in			-		
Contract Note Executed High (14 not) 2 Pages Contract Cont	Excavation to Road Formstion & Rock Cut	20/09/06		Excertition to Road For	nation & Hook Cut	-	_			
Sec Carpicy Blann & Bored Pile Wall Construct 20 (0011206 140805) 140805 1	Orting Pre-Bond H-Pite (14 nos) 2 Rigs	04/11/06		Drilling Pre-Bore	H-Pite (14 nos) 2 Rigs	_				-
Temporary Cut Stope (Ch. 2075-2125) 39 3000-06 1400205 1310005 131	Bot Capping Beam & Bored Pile Wall Construct	09/12/06		Bot Cap	Ing Beam & Bored Pile Wellico	nstruct				
Stock Part Stock Stabilisation Sol 190006 191006 1	Temporary Cut Slope (Ch 2075-2125)	14/08/05		Temporary Cut Slope (Ch 2075-21			-			-
State Total Design Total Desig	Terro Sloce Stabilisatoin (Soil Nail+ Sorry cone)	13/10/06		THE STORY OF STANSING	lofn (Soil Mella, Sorav conc)		 	•••		
100 100	Execution to Board Committee & Book Con	DATE SAND		The state of the s	And Personalism !! Book Co.				==	
10 10 10 10 10 10 10 10	Constitution of the Consti	and the second			The state of the s					
100 Walf Facing Board Society 100 So	LANG THE BOOK THY O (18 NOS) Z HIGS	14/12/08		Bullion .	To-Bored H-Pile (15,008) Z Mg					
	Bot Capping Beam & Bored File Wall Construct 30	23/01/07	-		Bot Capping Blasm & Borad Pi	le Walf Coinstruct	-			
1110 Stope Re-Institutionment Works & Top Capping Beam 22 2-401-077 17702-07	Mass Concrete Wall Construct	00/12/06	-	MACA POOR	rate Wall Constituct		-			-
Wall Fusing Punel Installation-U-Channel construct 20 Ostozot 19 19 19 19 19 19 19 1	Slope Re-Instatement Works & Top Capping Beam 22	17/02/07			Slope Re-Instalement/Wo	clos & Top Capping Beam		-	_	
21/12/20 present contraction and construction & Eng. Co. Ltd Construction Page Contract No. HY/2005/06 Contract No	Wall Facing Panel trataliation+U-Channel constru	2000000		**	Well Feding Panel Ins	deliption + U-Champel cons	8			
201020 PERTATE AND AND ADDRESS CONTROL OF THE PARK CONTROL OF THE PARK FOR INCOME THE PARK FOR INCOME THE PARK FOR INCOME THE PARK FOR INFORMATION OF THE PARK FOR INFORMA										
240201 1522 CONTROL OF THE PORK ROAD INFORMATION	23/05/04	DESCRIPTION OF THE	PdMc	We Construction & Sun Co. 1st	-	ш	Badalon		Checked	
Castle Peak Read Improved Vizional Tau (1905) Castle Peak Read Improved Vizional Vizional Tau (1905) Initial Construction Proc Rev C	21/1/205	Sort Property		The Constitution of Fig. Co. Ltd.	,,,,,	11				1
Castle Peak Hole Infractivation Flore Lang Lang 18b.	244509 1353			Contract No. HY/2005/06		1				1
			Caste Peak	Hotel Improvment West of Tsing Ling I.						
			2	Initial Construction Prog Rev C		-				1

280/24/06 220/25/06 220/25/06 220/25/06 220/25/06 220/25/06 220/25/06 220/25/07	
Please Contification Please Contification	Con
Radiouling 2 07/12/16 09/12/15 1 1/12/16 1	Chun Wo Canstruction & Eng. Co. Ltd Street of Tsing Lung Tau Sheet Street of Tsing Lung Tau Intilial Construction Prog Rav C

Stope stabilisation works	The contract of the contract o		
Construct Wile Before, Barrier's Surfacing Construct Be und calculage & utilities Construct Be und calculage & utilities Construct Be und calculage & utilities Construct Bellow Barrier's Foolpath Construct Bellow Barrier's Foolpath Construct Tem Postal (STure) Cities 19 2010/07 Construct Tem Postal (STure) Cities 19 2010/07 TIM Staging Preparation 19 2010/07 Sowall B construct Language (Stating) 19 2010/07 Sowall B construct Catalog Wall (Bay 5-12) 20 2010/07 Sowall B construct Catalog Wall (Bay 5-12) 20 2010/07 Sowall B construct Catalog Wall (Bay 1-12) 20 2010/07 Sowall B construct Catalog Wall (Bay 1-14) 20 2010/07 Sowall B construct Catalog & utilibide 19 2010/07 Construct Wile Bean Barrier & Poolpath 19 2010/07 Construct Wile Bean Barrier & Poolpath 19 2010/07 Construct Wile Bean Barrier & Poolpath 19 2010/07 Construct Be Bean Barrier & Poolpath 19 2010/07 Construct Be Bean Barrier & Poolpath 19 2010/07 Construct Be Bean Barrier & Poolpath 19 2010/07 Construct Benefic Wile Bean Barrier & Poolpath 19 2010/07 Construct Benefic Bean Barrier & Poolpath 19 2010/07 Construct	The state of the s		
Overstruct WRB LUG detailings a utilities 64 0951006	The control of the co		
Covertoral Will Bell Rivine Surfaceby Covertoral Will Rel Notes, Barrier Surfaceby Covertoral Will Rel Notes, Barrier & Foolpath 24 180/1077 Covertoral Will Bell Rivine Surfaceby 19 120/1077 Covertoral Will Bell Rivine Surfaceby 19 120/1077 Covertoral Will Rel Notes, Barrier & Foolpath 24 180/1077 Covertoral Edia Led Korb, Barrier & Foolpath 29 180/1077 Covertoral Edia Led Korb, Barrier & Foolpath 29 180/1077 Covertoral Edia Led Korb, Barrier & Foolpath 29 180/1077 Covertoral Edia Led Korb, Barrier & Foolpath 29 180/1077 Covertoral Penn Brands (5-Turer) : Ch24.000 10 14/12/206 RACATROAR work Advisor 20 180/207 10 10/11/105 TIM Staging Properation 20 180/207 10 10/11/206 Covertoral Penn Brands (5-Turer) : Ch24.000 10 14/12/206 Covertoral Penn Brands (5-Turer) : Ch24.000 10 14/12/206 Covertoral Penn Brands (5-Turer) : Ch24.000 10 10/11/206 RACATROAR work Advisor 10 10/11/206 Constituted Rich Remaining wall (Bay 5-12) 25 10/10/206 Constituted Wild Rich Remaining Rema	The Contract Will Bear Berrier Squitzeing Divertify be original registrated Eff Bear Berrier Squitzeing The Contract Will Bear Berrier Squitzeing The Contract Will Bear Berrier Squitzeing Eff Bei Berrier Squitzeing The Contract Will Bear Bear Berrier Squitzeing The Contract Will Bear Bear Berrier Squitzeing The Contract Will Bear Berrier Squitzeing The Contract Sq		
Constituted Wile Beam Barrier & Foolpath 19 201007	Control of the cont		
Construct W/B Beann Barrier & Foolpath 24 1800/107	True Countrie Will beam Berrier (a Foreign) True Countrie Eig UG deltrope a utilities True Countrie Eig UG		
Construct ERB Liff dichies of citities Construct ERB Liff dichies but files	This is beginned by the preparation This is beginned by the prepar		
Corestruct Ede Both Barrier & Surfacing 19 3040307	The Control of Education Control of Education Control of Education Control of Education Education Control of Education Educati		
Constituted Ette Bearm Barrier & Feolpath 19 21/11/208	The Checking Preparation The Checking The Che		
TIM Staping Properation 19 21/11/06	The second of th		
MACHER Advisor 19 1317209 MACHER Advisor 10 1417209 MACHER Advisor 10 1417209 Corntrol Temp Brad (5-Turn) : C724-000 10 21/1006 Corntrol Temp Brad (5-Turn) : C724-000 10 21/1006 TIM Staging Preparation 19 0001209 Sowwall B construction 182" 04/1209 Sowwall B construction 182" 04/1209 Sowwall B construction 182" 04/1209 Sowwall B construction 19 04/1209 Sowwall	The construct from Francisco Francis		
Constituted Perm Darkhage EB8 for Temp Diversion	The Space of the Second Control of the Secon		
Construct Temp Road (\$\frac{1}{2}\temp{Tum} : CR2+000 10 21/1006	Construct Timp Read (6)		
The Staging Propuration 1001/1005	The special control of the special control		
TTM Staging Propertation 19 0et00006	Institution of the continue of		
TMLG Meeting TMLG Meeting 1 30/03/06 PMACRicativork Advice 10 (02/1006 Somwall B construction 1827 (AUG206 Somwall B construction 1827 (AUG206 Install St. Curain 1827 (AUG206 Install St. Curain 1827 (AUG206 Place nock amount (2 single) 14 (13/05/06 Place nock amount (2 single) 28 (AUG206 Place nock amount (2 single) 28 (AUG206 Place nock amount (2 single) 29 (AUG206 Constituct (WE) Beam Bartier & Foolpath (2 single) 19 (201007 Constituct (2 single) 20 (AUG206 Constituct (2 single) 20 (AUG206 Constituct (2 single) 20 (AUG206 AUG206 Constituct (2 single) 20 (AUG206 AUG206 AUG20	Thirdy Meetings (Transpired or Amount Laying (stratego) (Transpired or Amount (2 singly) (Transpired or Amount (2 singly) (Transpired or Amount (2 singly) (Transpired (C Stratego) (Transpired (C Strate		
Construction Construct RC Restaints Construct RC RC Restaints Construct RC RC Restaints Construct RC	The side of the state of the st		
Construction (CR2+150 to CR2+300) Construction Construction Construction Construction Construct Cons	Firetin Sit Curping Pocifil & Amiour Laying (stratego) Pocifil & Amiour Laying (stratego) Pocifil & Amiour Laying (stratego) Pocifil & Construct Layawed Wall Fooling		
Sowall B construction 1827 Out2206 Irisall Sit Carrist Utility Out206 Irisa cockil & Amour Laying (1st stage) 29 Out206 Irisa cockil & Construct Rot eathing wall (Bay 5-12) 29 Out206 Irisa cock amour Cathogo Wal Fooling 19 Isiascog Octobrol Rot Carrist Wall (Bay 1-4) 29 Out206 Irisa cock amour Carrist Rot Renalishe Wall (Bay 1-4) 29 Out106 Out206 Out206 Irisa cock amour Carrist Wall (Bay 1-4) 29 Out106 Out206 Out206 Irisa cock Amour Carrist Wall (Bay 1-4) 29 Out106 Out206 Out206 Irisa cock Amour Carrist Wall Wall (Bay 1-4) 20 Out106 Irisa cock Amour Wall Wall (Bay 1-4) 20 Out106 Irisa cock Amour Carrist Wall Wall (Bay 1-4) Irisa cock Advice Construct Wall (Basen Barter & Foolpath Irisa cock Advice Construct Ball (Basen Barter & Foolpath Irisa cock Advice Construct Ball (Basen Barter & Foolpath Irisa cock Advice Advice Irisa cock Advice Advice Irisa cock Advice Advice Irisa cock Advice Wall (Basen Barter & Foolpath Irisa cock Advice Advice Irisa cock Advice Advice Irisa cock Advice Advice Irisa cock Advice Irisa cock Advice Irisa cock Advice Irisa cock Advice Advice Irisa cock Advice	The side Constituent of the second of the side of the		
Scowall B construction 1827 Out.02.06 Install Sit Carathur	finații Sii Curpin (inații Sii Sii Sii Sii Sii Sii Sii Sii Sii		
Install Site Carathin	Institut SHI Currain Constitute (at stage) Institution of the constitute of the con		
Place modell's Construct Lehtpod Wal Footing Place modell's Construct Lehtpod Wal Footing Place modell's Construct Lehtpod Wal Footing Construct RC relabing wall (Bay 5-12) Bandsiling Bandsiling Construct RC relabing wall (Bay 5-12) Construct RC Renaming Wall (Bay 1-4) Construct WS LMS cannor Construct WS LMS drobe as willblue Construct WS LMS drobe as willblue Construct WS Beam Barrier & Foolipath TMS Saging Preparation Construct WS Beam Barrier & Foolipath TMS Saging Preparation TMS Saging S	Constitute (a transmission of the control of the co		
Place model is Construct Lehtpod Wal Fooling 28 Outcube	Place positific & Constituci Le laures Wall Fooling Constituci Rich Prainting will (Bay 5-12) Constituci Rich Prainting will (Bay 5-12) Complete Positifing Complete Rich Prainting will (Bay 5-12) Complete Rich Prainting Will (Bay 5-12)		
Constitute RC retaining wall (Bay 5-12) 19 54 3005000 Constitute RC retaining wall (Bay 5-12) 28 3005000 Constitute RC retaining wall (Bay 1-4) 28 3707700 Conspired Road-mour 14 320000 Declining Road-mour 14 320000 Declining Road-mour 15 28 0911000 Constitute WIS Grab-ago & utilities 10 1212000 Constitute WIS Road-mour 5 5717200 Constitute WIS Road-mour 18 3201007 Constitute WIS Road-mour 19 12 201107 Constitute ROAD-Road-mour 19 201107 TIM Stagling Proparation 19 201107 Tomorousy Diversion 6 Water Main 30 20100706 Construct Temporary Diversion 50 20100706 Construct Temporary Diversion 19 201105 Tomorousy Diversion 19 201107 Tomo	Constitute to the second secon		
Construct Not authory was large 2-ray 28 participate	Complete RC RU Comblete RC		
Construct RC Renafishe Wall (Ray 1-4) 28 09711056	Complete for a financial for a		
Descritucal RC Renathing Weal (Ray 1-4) 28 0911/05	Comprise Roll (Comprise Roll (Compri		
Dispetitive	Control of the contro		
Control of Dock Amour Stratobs			
Construct WIS Edea to difference Construct WIS Edea to delibrace Construct ES EU LIG desirage à tutilizion 19 2201107 Construct ES ES LIGHT 19 2201107 Construct ES ES Africe ES LIGHT 19 2201107 Construct ES ES Africe Es Ensem Barrier & Foolpath 19 2201107 Construct ES ES Africe 19 2201107 Construct ES ES Africe Es	Mountain Communication (Management of Management of Manage		
Construct W/D B March Barrier & Surtaching 19 2017 200	Distriction of the control of the co		
Construct Wile Ream Barrier & Foolipath 1 2201.167 Construct Wile Ream Barrier & Foolipath 18 2201.167 Construct BE ULG desiruge & utilities 18 2201.07 Construct EB Ha Kinch Barrier & Safeting 18 2201.07 Construct EB Ha Kinch Barrier & Safeting 18 2201.07 TIM Suging Proparation 18 2201.07 TIM Suging Proparation 19 221.108 Tim Suging Properation 19 221.108 Tim Suging Proparation 19 221.108	(Direction		
Construct W/2 Beam Barrier & Foolhyath 19 22/01677		-	-
Construct EB LUG dishings a Luililises Construct EB LUG dishings at Luililises Construct EB LUG dishings & Luililises 15 0300.007		-	-
Construct EB Red Kinth, Barriert Suffachop 15 (020 Lett)		-	
TAIK Stagling Proparation 18 250 100 Tain Stagling Proparation 18 250 250 Tain Stagling Proparation 250 250 250 Tain Stagling Proparation of Water Mahin 250 250 250 Tain Stagling Proparation of Water Wahin 250 250 250 Tain Stagling Proparation 250 250 250 Tai	Ulario San		
1 1 1 1 1 1 1 1 1 1			-
National Continues 10 10 10 10 10 10 10 1			
Approval of Temporary Divention Scheme \$9,0002005 Temporary Diversion of Water Main Construct Perm Dealings ETS for Temp Diversion 20,3002005 Construct Temp Road (S-Tum): Class 150 To 2010005 Divert the original road to the ETB To 2011005	William Control of the Control of th		
Temporary Diversion of Water Main Construct Perm Cealings ETS for Temp Diversion Construct Temp Road (S-Tum) : Cliza 150 Construct Temp Road (S-Tum) : Cliza 150 10 2911006	STATE OF CONTRACT AND	- - -	1
Construct Perm Ceahaige ETS for Temp Diversion 20 3000005 Construct Temp Road (\$\times^2 \text{Tum}\$) : Clizx150 10 2811006 Divert the original road to the EIB 10811105	EDECAREST Emporery Diversion of		
Construct Temp Road (\$71cm) : CR2+150 10 29/10/08 Divert the orginal road to the E/B 11 (09/11/05			
Divertitive original read to the E/B 103/11/06	Construct Jemp Road (\$-Tum)		
Commence and the commence of t			
9parežon 19 13/08/06			
AUCHWIRDO IMLE Meeting COSTUDE COSTUDE COSTUDE COSTUDE	In Well and Managed Control and Managed Contro		
I EA & EB CONSTDITION			+
os-i tamama	I.B.		
Construct outlets	Construct outlets:		
Construct cascades & pipes 58 31/07/06			
Upper section construction 57" 18/01/07			
O Reconstruct Mets (At Carriag	The state of the s		
EIN 2005	PAPA SANTORY		
	Chun We Construction & Eng. Co. Lib	Cheering	Approved
240508 1524	Confee Peak Road Immovement Worst of Telent Imm Tau 1800/200 Lava Road Immovement Worst of Telent Imm Tau		
	Design Hard State of the Control of		
7Primavera Systems, Inc.	mittel Canelitation Prog Rev G		

Control Cont	
CONSTITUCTION (CHT #500 to Cht +705) Cht Wile Clear and Fig. 12 to this cht Wile Cle	With Everywhen & demolitate activiting road significant in the properties of the pro
CONTINUE Case a selegy asset under a provided by the continue of the continu	WWB: Exercise A dome list and service and
Charlet Wild Statement Control Charlet Wild	WWB: Ereawa'on & domollah eristing road surface WWB: Ereawa'on & domollah eristing road surface Construct WRB, ER Und dauly, word Construct WRB, ER Beer Beer Beer Beer Beer Beer Beer Bee
Direct the edition and to be sourced (VIR) 11910107 1010207	WWB: Excess 6 demotifes existing road surface (2017) (1900
Constitute EPE annigorate yand starticing 12,711.05 10,112.05 11,12.05 12,110.05	WWB: Ercawson & demotilat existing road surface to the control of surf
TIM Stagling Projection	WWB: Exemple on & demotifier extering road services WWB: Exemple on & demotifier extering road services Colstruct WR. FELL U/O desity, well Exemple or the original road to the armonic construct WR. Et Bearle or the college of the services of the servic
CONDITIONED ANABOR 1447206 1477206 1477206 1477206 1477206 1477206 1477206 1477206 1477206 1477206 1477206 1477206 1477206 1477206 1477206 1477206 1477206 1477207 1477206 1477207 147	WWB: Excess 6 demotifes existing road surface (Colstone W.R. FDE. U) Colstone Well FOR U) Colstone Well Well FOR U) Colstone Well Well Well FOR U) Colstone Well Well Well FOR U) Colstone Well Well Well Well Well Well Well We
PUNCHBANCH Advisor Advisor Advisor	WWB: Exew son & demotlate act string road a surface to the control of
Construction(CID2-300 to CID2-400) 14 2010 to CID2-400 2010 to CI	W/78: Excess & denotes a estato pos desirace Construct W/6, E/B LUJO della Maria Maria Construct W/6, E/B LUJO della Maria Maria Construct W/6, E/B Res Construct W/6, E/B Res Construct W/6, E/B Res TIMO Maria Maria Maria Maria Elecas & despricion TIMO Medicion TIMO Medicion Construct Maria Elecas & despricion Construct Maria Elecas & despricion Construct W/6, E/B Res Construct Maria Elecas & despricion Construct Mar
Wills-John Acide and state of the secretary of 1900/07 Councies where section and attended to the neuronal (1/100) Councies where section and attended to the neuronal (1/10) Councies where the section and attended to the neuronal (1/10) Councies where the section and attended to the neuronal (1/10) Councies where the section and attended to the neuronal (1/10) Councies where the section and the se	W/RB: Excess Son & demolish existing post 3 surface Constituted W/B, E/B & Kerk, Rent. Constituted W/B, E/B & Kerk, Rent. Constituted W/B, E/B & Kerk, Rent. ESID RR: Excess & despitation of the second for the sec
Construct (19 and code) and code of the wood (VVI) 12 (250) for the code) 12 (250) for the code) 12 (250) for the code) 13 (250) for the code) 14 (250) for the code) 15 (250) for the code) 16 (250) for the	With Excessivition & demolitate existing road surface (Controller With Et Build daugh, work (Controller With Et Build daugh, work (Controller With Et Build daugh) with the original road (surface) (Controller With Et Build and Controller With Et Bui
Diversitive original cond in the inner and (Wile) 12 2401077 12 4201077 12	W.B.; Excess Son & demoltate actisting road started by the light of th
CONTINCT CASE CASE CASE	W/B3; Excess of demotites existing road surface in Triplication of Construct W/Bs, E/Bs Up, death, word Construct W/Bs, E/Bs Williams (Construct W/Bs, E/Bs Bearling) Triplication of the Construct W/Bs, E/Bs Bearling Triplication of the Excess of Construct W/Bs, E/Bs Bearling Triplication of the Excess of Construct W/Bs, E/Bs Bearling Triplication of the Excess of Construct W/Bs, E/Bs Bearling Triplication of the Excess of Construct W/Bs, E/Bs Bearling Triplication of the Excess of Construct W/Bs, E/Bs Bearling Triplication of the Excess of Construct W/Bs Bearling Triplication of the Excess of Construct W/Bs Bearling Triplication of the Excess of Construction of the Excess of Construction of the Excess of Construction of Construction of the Excess of Construction of the Excess of Construction of the Excess of Construction of Construction of the Excess of Construction of Construction of the Excess of Construction of the Excess of Construction of Construction of the Excess of Construction of the Excess of Construction of C
CONSTRUCTOR CONTINUED CO	WMB: Exeavation & demolitate existing road services Construct With, File Upf death, wold Construct With, File Bile Bearing Construct With, File Bile Bearing Construct With, File Bile Bearing TIME Staging Presidention TIME Staging Presidential Presidential Provinces to Stope TIME Staging Presidential Provinces to Stope TIME Staging Presidential Provinces to Stope TIME Staging Presidential Provinces to Stope
TALIG Meeting TALIG TALIG TO TALIG T	WWB: Ecouy Yor & demolate at letting yourd startoo Countries WG, Fize Lidd death, welderman Countries WG, Fize Lidd death, welderman Ditter the original yound to the niest man Barries Countries WG, Fize Lidd death, welderman TITM Staging Pragination TITM Staging Praginati
Constitution(Ch1+70510 Ch1+825) Constitution(Ch1+825) Constituti	W/R: Eccuy for & demolish as Ising road surface Conducted W/R: Upd death, wide in the Conducted W/R: Eff. Upd death, wide in the Conducted W/R: Eff. Respication of the rise road Eff. Respication of the rise road Effect and Eff. Respication of the rise road Effect and Eff. Respication of the rise road Effect and Ef
Constitution(Ch1+705 to Ch1+325) Constitution(Ch1+325) Constituti	W/R: Ercavation & domnitate existing road services Controlled With, Elis Kerk, Elas Medicinality (Direct the old plant) load for the riest real (Direct the old plant) load for the riest real (Direct the old plant) load for the riest real (Direct the old plant) load for the riest real (This Stating Praphentics)
With Exercation & dennish adding read studies 12 2149-06 15 2149-06	With Eccessive of demoirable sixthing froat girther wide many control of the Up daily wede many control of the Up daily wede many control of the Wight of Wight of the Wight o
Construct Wife, Effe LUC desit, watermain, etc. 90 2890-56 1500-50	Control WO, FIS UD dail, woldman (Control of the brights) to be control of the brights of the br
Constituct WIR. EP Knth.Batherstood surface's provided by the Constituct WIR. EP Knth.Batherstood surface's constituent with a ceptual tool for interest of Knows and Knth Ep Bath Batherstood surface's constituent of the new resident of Activities and surface at 12 (1700.006 20/1000000 20/10000000000	Coentruct With EVE Kark Barrind around Coentruct With EVE Bear is enter reconstruct With EVE Bear is enter the contruct With EVE Bear is enter the contruct of the coentruct with EVE Bear is enter the coentruct of the coentruct
Obvertite ordered road to the previous (W.E.B) 1 decembe 24 dece	Control of U.S. Erea & Control of Step niver real control of Contr
Constituct Wife, EBB Seam Barrior & Footpeth 2 (1070-005 Seat Seam Barrior & Footpeth 2 (1070-005 Seat-005 Seam Barrior & Footpeth 2 (1070-005 Seat-005 Seam Barrior & Footpeth 2 (1070-005 Seat-005 Se	Constitute Wolf, Sign Berrar Barry TTM Staging Pragiention Remain Re
Sign Ref. Eccus & demolsh mast read surfaces 12 OrMANDS	Signation and second a
Stip Ret. U.S. drahings & utilities Spi Taboba Stivator Stip Ret. U.S. drahings work Spi Taboba Stivator St	TIM, Staging Prapiration (Tim.) Meeting (Tim
Constituted Stip Ref authering work 19 27/17/206 17/07/197	This Staging Propingtion, This Staging Propingtion, This Staging Propingtion, This Staging No. 65W-10FF236 Samedial Works to Stope No. 65W-10FF236
Trianscripting Preparation 19 1507/05 1507/05 1707/05/05 1707/05/05 1707/05/05 1707/05/05 1707/05/05 1707/05/05 1707/05/05 1707/05/05 1707/05/05 1707/05/05 1707/05/05 1707/05/05 1707/05/05 1707/05/05 1707/05/05 1707/05/05 1707/05/05/05/05/05/05/05/05/05/05/05/05/05/	This of Meeting
This Stepped Properties Total Control Cont	TIME, O Meeting ElekOPtobetwerk Advice ElekoPtobetwe
RWOTHGROUND ANYER	EnikORoldwerk Advice Ferm Ferm Ferm Ferm Ferm Ferm Ferm Fer
Brindial Work 63W-D/C170	Reme Remedial Works to Slopel No. 65W-D-F12266 Cannedia works to Slope No. 65
	Reme Remedial works to Slope No. 65W-D-F1286
571/22/1/06 31/01/07	Remedial works to Slopel No. 65W-D-FR286
70' 08104/08 08107/08 P Rem Rem 70' 08104/08 26102/08 P 12066/06 26102/08 P 12066/08 P 12066/08	Wifemedal works to
70' (08/04/06 08/07/08 18/04/	Remedial works to
90 130606 2679508	Commedia works to Stope No. 65W-D/TIS
80' 130'6.06 267'5.08	Commission of the Comment of Stope No. 65W-D/7E3
75 2204056 21/1/06	
75 22/08/06 21/11/06	
92* 20120\$ 2204/07	Metal West of Stope NA GWAD 783
92° (2012/06 239/0/07	Solding Market 1 Solding No. Solding No. Solding No. Solding No.
62" 12/ 208 03/00/07	
120 04/07/05 04/07/05	# PROPERTY OF THE PROPERTY OF
110) 04/02/07 24/05/07 24/05/07 25/05/08	
90 2402/07 365 25/05/07	Chance Consplant of Canaplant
345 25/05/07	(undergipling works)
365 25/05/07	
	Strong was worked and the strong was a stron
217-205 Extra designation of the parties of the par	Г
Ear	Ear
2,405/01 15.5.2	Casila Peak Road Improvment West of Tsing Lung Tau
Initia Communication	Initial Construction Prox Bev C
?Printavera Systems, Inc.	

Appendix B
Monitoring schedule for
September and October
2006



Environmental Monitoring and Audit Schedule - September 2006

Note 1: L30 denotes Leq(30 min) monitoring

TSP denotes Total Suspended Particulate monitoring Note 2:

Note 3:

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

			Sep-2006			
	Monday	Tuesday		Thursday	Friday	Saturday
					-	2
					WW	
8	4	22	9		8	6
				Site inspection		
	MW		MW		MW	
	=	12	13	Site Inspection	15	16
		MW		MM		MW
	18	19	20	nspection	22	23
	MW		MW		MW	
7	25	26	27	Site Inspection	29	30
	MAVV		MW		MW	

Tentative Environmental Monitoring and Audit Schedule - October 2006

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

MV denotes marine water monitoring Note 3:

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

			Oct-2006			
	Monday	Tuesday		Thursday	Friday	Saturday
	2	8	4	5	9	1
				Site Inspection		
		MW		MW		
	6	10	11		13	14
				Site Inspection		
	MW		MW		MW	
16	16	11	18	19	20	21
				Site Inspection		
	WW		W		MW	
	23	24		26	27	28
				Site Inspection		
	WW		MW		MW	
	35	31				
		MW				

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

: 01/08/2006

Completion Date

: 02/08/2006

Report No.

Page No.

Issue Date

: CR 000074

: 04/08/2006

: 1 of 5

Approved Signatory: Grace Ting Remarks

Calibration Results:

Item

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

Serial No.

02D1076 AB

Calibration Method :

APHA 18e 2520 A & B

Date of Calibration : 01/08/2006

Results:

Salinity

Expected Reading	Recorded Reading
(ppt)	(ppt)
0	0
7.4	7.3
15	14.4
35	33.8
39.3	37.9



CALIBRATION REPORT

Client

: OVE ARUP & PARTNERS H.K. LTD.

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

Kowloon.

Received Date

: 01/08/2006

Approved Signatory: Grace Ting

Remarks

Report No.

: CR 000074

Page No.

Completion Date : 02/08/2006

: 2 of 5

Issue Date

: 04/08/2006

Calibration Results:

Item

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

Serial No.

02D1076 AB

Calibration Method:

In house method

Date of Calibration : 01/08/2006

Results:

Temperature

Expected Reading	Recorded Reading
(°C)	(°C)
10.0	10.1
20.0	20.4
30.0	30.4
40.0	40.3





CALIBRATION REPORT

Client

: OVE ARUP & PARTNERS H.K. LTD.

Address: Level 5 Festival Walk,

80 Tat Chee Avenue,

Kowloon Tong, Kowloon.

Received Date : 01/08/2006

Completion Date

: 02/08/2006

Report No.

Page No.

Issue Date

: CR 000074

: 04/08/2006

: 3 of 5

Approved Signatory: Grace Ting Remarks

Calibration Results:

Item

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

Serial No.

02D1076 AB

Calibration Method :

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

Date of Calibration : 01/08/2006

Results:

Dissolved Oxygen

Expected Reading	Recorded Reading
(mg/L)	(mg/L)
3.75	3.68
4.80	4.80
5.75	5.69
6.80	6.88
7.90	7.90
9.00	8.92



CALIBRATION REPORT

Client

: OVE ARUP & PARTNERS H.K. LTD.

Address: Level 5 Festival Walk,

80 Tat Chee Avenue, Kowloon Tong, Kowloon.

Received Date : 01/08/2006

Approved Signatory: Grace Ting

Remarks

Completion Date : 02/08/2006

Report No.

Page No.

Issue Date

: CR 000074

: 04/08/2006

: 4 of 5

Calibration Results:

Item

: HACH 2100P Turbidimeter

Serial No.

011100024354

Calibration Method : APHA 18e 2130 B

Date of Calibration: 01/08/2006

Results:

Turbidity

Ex	pected Reading (NTU)	Recorded Reading (NTU)	
	0	0.21	
	2	2.20	
	4	4.11	
	16	15.5	
	40	38.8	
	80	77.1	



CALIBRATION REPORT

Client

: OVE ARUP & PARTNERS H.K. LTD.

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

> Kowloon Tong, Kowloon.

Received Date

: 01/08/2006

Approved Signatory: Grace Ting

Report No.

: CR 000074

Page No.

: 5 of 5

Issue Date

: 04/08/2006

Completion Date

: 02/08/2006

Remarks

Calibration Results:

Item

: HANNA instrument HI 98128 membrane pH meter

Serial No.

1377140

Calibration Method :

In house method

Date of Calibration: 01/08/2006

Results:

pН

Expected Reading (pH unit)	Recorded Reading (pH unit)
4.00	4.18
6.86	7.10
10.0	10.2



Appendix D

Marine water quality
monitoring results



Lab	632300	36173.9	200	CAN EAST STATE	100	Water	Temp.	DO		WITHOUGH !	00,%	DO. %	W. Statu	SPATED	300	adv, vna	NTU,	190 Miles	88,
ID	Location	Position	Tide	Sampling Date	Time	depth, m	°C	DO, mg/L (1)	DO, mg/L (2)	DO, Average value	seturation (1)	saturation (2)	old Unit	Salinity, ppt	Turbidity, NTU (1)	Turbidity, NTU (2)	Averaged Value	Suspended	Average: Value
1	WWA1	S	MID-EBB	1-Sep-06	- inite	deptit, iii	29.9	5.92	5.87	DO, Average valde	93.0	90.6	8 O	71.9	3.4	3.1	value	Solid mg/L	Varue
2	WWA1	M	MID-EBB	1-Sep-06	9:35	7.10	29.5	5.74	5.70	5.81	87.7	85.4	8.0	12.8	3,5	3,3		3.8	
3	WWA1	В	MID-EBB	1-Sep-06		1,072	29.4	5.61	5.55	5.58	86.2	83.7	8.0	13.3	3.8	3.5	2.6	3.5	
4	WWA2	S	MID-EBB	1-Sep-06			29.6	5.87	5.81	3,30	89.3	87.3	8.0	11.5	3,3		3.5	6,5	4_6
5	WWA2	M	MID-EBB	1-Sep-06	9:25	7.50	29.6	5,76	5,67	5.78	85.6	83.7	8.0			3.2		4.0	
6	WWA2	В	MID-EBB	1-Sep-06	0.20	7.50	29.6	5.54	5.47	5.51	85.6			12.8	3,6	3.5		4.0	
7	WWA3	S	MID-EBB	1-Sep-06			29.8	5.85	5.80	3,31		85.2 90.3	8,0	13,0	3.4	3.6	3.4	2.8	3.6
В	WWA3	M	MID-EBB	1-Sep-06	9 15	7.80	29.0				90,2		8.0	12.1	3.3	3,6		2.8	
9	WWA3	В	MID-EBB		3 /3	7.00		5.70	5.64	5,75	86.6	85.8	7.9	13.0	3.3	3,2		5,0	
10	WRA1	S	MID-EBB	1-Sep-06			29.7	5.52	5.47	5,50	83.1	81.0	8.0	13.0	3,6	3.5	3,4	4.5	4.1
			MID-EBB	1-Sep-06	9.47	27.30	30.2	5,86	5.80		91.8	89.8	7.9	12.0	3.4	3,1		3.3	
11	WRA1	M		1-Sep-06	9,47	27.30	28.6	5,73	5.66	5,76	84.2	83_9	7.9	22.7	3,4	3,2		4.0	
12	WRA1	В	MID-EBB	1-Sep-06	_		27,0	5,47	5 42	5,45	85.0	83.2	7,9	29.3	3,0	2.9	3.2	5.5	4_3
13	WRA2	S	MID-EBB	1-Sep-06			29.8	5,85	5,76		90.8	87.8	7.9	10,5	3.5	3.2		9.5	
14	WRA2	M	MID-EBB	1-Sep-06	9;59	24,50	28,8	5.74	5.68	5,76	86.9	85.0	7.9	20.7	3.5	3.4		4.0	
15	WRAZ	В	MID-EBB	1-Sep-06			27.2	5.60	5,51	5,56	83_4	80.1	7.9	28,3	2.2	2.3	3.0	5.5	6,3
16	WRA3	S	MID-EBB	1-Sep-06			29.4	5,96	5.90		93,8	90,0	7.9	12.5	3_8	3.2		3.0	
17	WRA3	M	MID-EBB	1-Sep-06	10:13	23.10	29.2	5,84	5.76	5,87	84_6	83.7	7.9	18.5	2.5	2.7		3,5	
18	WRA3	В	MID-EBB	1-Sep-06			28.0	5_62	5.56	5,59	80,4	79.9	7.9	24.5	2.8	2.8	3_0	4.0	3,5
19	WWFCZ1	\$	MID-EBB	1-Sep-06			29.3	5,94	5,80		92.3	91.2	7.8	12,5	3.9	3,8		3.5	
	WWFCZ1	M	MID-EBB	1-Sep-06	10:55	32,60	27.7	5.82	5,70	5.82	87.1	84.9	7.8	25.6	3.6	3,5		6,0	
21	WWFCZ1	В	MID-EBB	1-Sep-06			27.5	5,63	5.48	5,56	83.1	79.8	7.8	26.0	3.6	3.7	3.7	4.0	4.5
22	WWFCZ2	S	MID-EBB	1-Sep-06			29.3	5.85	5.81		91_6	86.6	7.8	12.5	3.2	3.2		3.3	
23	WWFCZ2	M	MID-EBB	1-Sep-06	10:42	33,80	28.5	5.72	5,66	5,76	84_4	83.0	7.8	21.6	3.4	3,3	1	6.0	
24	WWFCZ2	В	MID-EBB	1-Sep-06			27.2	5.54	5.48	5,51	87.4	82.1	7.9	27.9	2.5	2.5	3.0	5.5	4.9
25	WFCZR1	S	MID-EBB	1-Sep-06			29.6	5.79	5.62		87.0	85.3	7.8	12.6	2.9	2.8		5.5	
26	WFCZR1	M	MID-EBB	1-Sep-06	11:09	35,40	27.8	5.54	5.49	5.61	86_4	84.8	7.8	25.0	2.2	2.2	1 0	3.8	
27	WFCZR1	В	MID-EBB	1-Sep-06		1	27.1	5,53	5.41	5.47	82.9	80.0	7.8	27.5	3.2	3.2	2.7	3.5	4.3
28	WFCZR2	S	MID-EBB	1-Sep-06			29.4	5,87	5.82		90.8	89.8	7.B	12.9	3.3	3.3		4.0	4,0
29	WFCZR2	M	MID-EBB	1-Sep-06	10:28	36_50	27.3	5.70	5.61	5.75	86.2	83.7	7.8	27.6	2.4	2.6	3	7.5	
30	WFCZR2	В	MID-E88	1-Sep-06		22	27_0	5.49	5.42	5.46	86.7	81.5	7.8	29.3	2.8	2.8	2.9	5.5	5.7
31	WWA1	S	MID-FLOOD	1-Sep-06			29.4	5.88	5.75		91.7	89.5	8.0	16.6	3.6	3.9	2.0	3.3	0.11
32	WWA1	M	MID-FLOOD	1-Sep-06	14:24	7.30	29.2	5.63	5.54	5.70	86.5	84.5	8.0	18.1	3.3	4.1		3.5	
33	WWA1	В	MID-FLOOD	1-Sep-06		16	29.0	5.60	5.42	5.51	87.8	85.1	8.0	18.5	3.2	3.4	3.6	4.5	3.B
34	WWA2	S	MID-FLOOD	1-Sep-06			29.6	5.94	5.86		91.6	90.3	8.1	16.4	3.8	3.7	- 0.0	3.5	3.0
35	WWA2	M	MID-FLOOD	1-Sep-06	14:11	7.70	29.4	5.81	5.70	5.83	88.0	86.5	8.0	17.5	3.1	3.1		6.5	
36	WWA2	В	MID-FLOOD	1-Sep-06			29.2	5.74	5.66	5.70	88.3	85.6	8.0	17.1	3.3	3.1	3.3	6.0	5.3
37	WWA3	S	MID-FLOOD	1-Sep-06			30.1	5.87	5,76	0.70	90.1	88.4	8.0	12.1	3.2	3.2	0,0	4.5	3,3
38	WWA3	M	MID-FLOOD	1-Sep-06	14:00	8.20	29.5	5.63	5.54	5.70	84.0	82.0	8.0	17.2					
39	WWA3	B	MID-FLOOD	1-Sep-06		0,20	29.4	5.56	5.49	5.53	87.0	84.0	8.0	17.2	3.5	3.5		10.0	0.0
40	WRA1	s	MID-FLOOD	1-Sep-06	_		29.3	5.90	5.76	0,00	93.0	90.7		17.7	3.3	3.2	3.3	3,5	6.0
11	WRA1	M	MID-FLOOD	1-Sep-06	14:37	27.60	27.6	5.78	5.66	5.78	86.3	84.1	8.1			3.9		3.5	
12	WRA1	В	MID-FLOOD	1-Sep-06		200	28.1	5.67	5.53	5.60	87.5		8.1	27.5	3.4	3.3		4.0	
43	WRA2	S	MID-FLOOD	1-Sep-06			29.6	5.86	5.77	3.00		83.0	8.1	23.9	3.7	3.6	3,6	5.0	4.2
44	WRA2	M	MID-FLOOD	1-Sep-06	14:49	25.30		the second second second			88,9	87.6	8,1	17.0	3.2	3.2		4.0	
45	WRA2	B	MID-FLOOD		17,40	25.50	28.2	5.70	5,63	5.74	84.5	82,6	8,1	24.3	3.3	3.5		8.5	
,,,	VVRAZ	В	MID-PLOOD	1-Sep-06			27.1	5.60	5.44	5,52	85,1	81.2	8.1	29.3	3.8	3.6	3.4	6.5	6,3

G (env) project 24583/env_data/marme/unpact\Data Evaluation monthly

Page 1 of 18

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
46	WRA3	S	MID-FLOOD	1-Sep-06	0.000	COSCOR.	28.9	5.92	5,81		93,9	91.1	8.1	19.2	3,4	3.4		6.5	
47	WRA3	M	MID-FLOOD	1-Sep-06	14:59	24.90	28.2	5.74	5.68	5.79	90.1	85.7	8.1	24.2	3.4	3.1		3.8	1
48	WRA3	В	MID-FLOOD	1-Sep-06			28.2	5.62	5.55	5.59	86.0	83.0	8.1	23.8	3.0	2.9	3.2	5.0	5.1
49	WWFCZ1	S	MID-FLOOD	1-Sep-06	1.202		29.3	5.88	5.74		94.1	92.5	8.1	15.1	3.5	3.8		4.5	
50	WWFCZ1	М	MID-FLOOD	1-Sep-06	15:38	33.80	28.0	5.67	5.59	5.72	86.7	84.4	8,1	26.1	4.1	4.1		4.0	1
	WWFCZ1	В	MID-FLOOD	1-Sep-06			26.5	5,52	5,41	5,47	86.4	83.0	8.1	31.0	6.2	6.2	4.6	7.0	5.2
	WWFCZ2	S	MID-FLOOD	1-Sep-06			29.3	5.79	5.73		92.8	91.0	8.0	18.1	3.4	3.2		3.0	
53	WWFCZ2	M	MID-FLOOD	1-Sep-06	15:27	34.50	28.1	5.61	5.57	5.68	87.8	85.3	8.0	25.2	3.1	3.2		6.0	1
	WWFCZ2	В	MID-FLOOD	1-Sep-06			27.6	5.50	5.46	5.48	84.7	80.7	8.0	26.8	3.1	3.3	3.2	5.5	4.8
55	WFCZR1	S	MID-FLOOD	1-Sep-06		and account	29,4	5,93	5.82	Mary Co. S	93.4	91.4	8.0	17.5	3.4	3.2		6.0	
56	WFCZR1	M	MID-FLOOD	1-Sep-06	15:49	36.20	28.0	5.71	5,65	5.78	90.5	86,3	8.0	25,7	3.4	3.6		5,0	ĺ
57	WFCZR1	В	MID-FLOOD	1-Sep-06			27.7	5.60	5.49	5,55	86.1	82.5	8.0	24.5	3.3	3.6	3.4	5.0	5.3
58	WFCZR2	S	MID-FLOOD	1-Sep-06	Seminar I	5.0000000	29.5	5.84	5.80	5_0000000000000000000000000000000000000	89.1	86.8	8.1	17.6	3,3	2.9		14.0	
59	WFCZR2	M	MID-FLOOD	1-Sep-06	15:12	37.90	28.3	5.71	5.63	5.75	88.4	84.4	8.1	25.0	3.1	2.9		5.0	1
60	WFCZR2	В	MID-FLOOD	1-Sep-06			27.4	5.66	5.52	5.59	89.5	86.6	8:1	29.2	4.0	4.1	3.4	13.0	10.7
61	WWA1	\$	MID-EBB	4-Sep-06	LUCE TO S	0.000	28.2	5.95	5.87		92.7	89.6	8.3	19.3	2.1	2.5		7.5	
62	WWA1	M	MID-EBB	4-Sep-06	10:20	7.20	28.3	5.79	5.64	5.81	88.8	84.0	8.3	18.6	3.1	3.2		7.0	1
63	WWA1	В	MID-EBB	4-Sep-06			28.0	5.53	5.42	5.48	85.5	81.6	8.3	18.9	3.9	3.8	3.1	11,5	8.7
64	WWA2	S	MID-EBB	4-Sep-06			28.4	5.95	5,90		92.1	89.4	8.3	18.3	4.2	4.1		6.5	-
65	WWA2	M	MID-EBB	4-Sep-06	10:10	7.20	28.4	5,83	5.70	5.85	90.0	87.7	8.3	18.2	3.2	3.2		8.0	i
66	WWA2	В	MID-EBB	4-Sep-06		0.000	28.3	5.62	5.46	5.54	85.9	83.1	8.3	18.6	3.2	3.5	3.6	7.0	7.2
67	WWA3	S	MID-EBB	4-Sep-06			28.2	5.94	5.86		91.1	86.4	8.3	18.7	4.2	4.4		6.0	
68	WWA3	M	MID-EBB	4-Sep-06	10:00	6.70	28.0	5.79	5,66	5.81	88.8	83.9	8.3	20.9	4.2	4.4		13.0	1
69	WWA3	В	MID-EBB	4-Sep-06	11020000		28.0	5.51	5.47	5.49	86.4	81.7	8.3	18.3	4.3	4.1	4.3	8.5	9.2
70	WRA1	\$	MID-EBB	4-Sep-06			28.6	5.87	5.80		89.6	86.2	8.3	17.3	3.2	3.2		5.0	
71	WRA1	M	MID-EBB	4-Sep-06	10:32	26.50	27.1	5,69	5.54	5,73	84.3	82.0	8.3	27.7	3.2	3.2		5.5	í .
72	WRA1	В	MID-EBB	4-Sep-06			26.1	5.50	5.43	5.47	81.4	79.7	8.3	30.6	4.2	4.5	3.6	8.5	6.3
73	WRA2	S	MID-EBB	4-Sep-06			27.9	5.93	5.87		92.4	90.1	8.3	17.8	4.0	3.7		11.0	0.0
74	WRA2	M	MID-EBB	4-Sep-06	10:44	25.10	28.1	5.76	5.64	5.80	90.7	86.5	8.3	15.4	2.5	2.7		6.5	l .
75	WRA2	В	MID-EBB	4-Sep-06			28.6	5.55	5.43	5.49	87.4	82.1	8.3	29.3	3,2	3.5	3.3	5.0	7.5
76	WRA3	S	MID-EBB	4-Sep-06			28.1	5.86	5.84		88.8	88.1	8.3	17.6	3.7	3.7	0.0	8.5	7.5
77	WRA3	M	MID-EBB	4-Sep-06	10:57	23.80	28.1	5.73	5.63	5.77	86.4	82.9	8.3	19.5	3.4	3.3		6.0	į.
78	WRA3	В	MID-EBB	4-Sep-06		200000	26.4	5.52	5.44	5.48	83.8	81.0	8.3	29.9	3.2	3.3	3.4	6.0	6.8
79	WWFCZ1	S	MID-EBB	4-Sep-06			28.4	5.89	5.77		91.0	89.5	8.3	17.2	3.8	3.8		5.5	0.0
80	WWFCZ1	M	MID-EBB	4-Sep-06	11:38	32.50	28.1	5.73	5.59	5.75	88.2	84.9	8.3	22.6	2.5	2.6		6.3	į.
81	WWFCZ1	В	MID-EBB	4-Sep-06	1000000	2000000	27.0	5.52	5.41	5.47	86.0	83.4	8.3	28.6	2.9	2.8	3.1	5.0	5.6
82	WWFCZ2	S	MID-EBB	4-Sep-06	_		28.3	5.93	5.82		91.6	88.5	8.2	17.8	3.2	3.2		4.5	3,0
83	WWFCZ2	M	MID-EBB	4-Sep-06	11:23	32.70	27.2	5.74	5.62	5.78	86.2	83.3	8.2	26.2	3.0	2.8		5.5	
84	WWFCZ2	В	MID-EBB	4-Sep-06	2 (C-10)	1,30/67/15/	26.0	5.58	5.44	5,51	84.0	80.6	8.2	31.3	3.4	3.7	3.2	11.0	7.0
	WFCZR1	S	MID-EBB	4-Sep-06			28.1	5.90	5.88	7.67	92.7	90.0	8.3	17.2	3.1	3.2	0.4	8.5	7.0
	WFCZR1	M	MID-EBB	4-Sep-06	11:50	34.80	27.4	5.63	5.80	5.85	87.4	82.2	8.3	26.0	2.8	2.8		5.0	
	WFCZR1	В	MID-EBB	4-Sep-06			27.5	5.64	5.55	5,60	82.0	80.7	8.3	26.0	2.3	2.7	2.8	6.0	6.5
	WFCZR2	S	MID-EBB	4-Sep-06	-		28.4	5.88	5.81	9,00	90.4	86.9	5.2	17,5	3.9		2.0		0.5
-	WFCZR2	M	MID-EBB	4-Sep-06	11:10	35.30	26.8	5.79	5.63	5.78	85.5	83.0	8.2			3.6		5.0	
1	OMITE	141		4.0ch.00		30.00	20.0	5,18	5.03	0.70	65.5	83.0	0.2	28.6	3,5	3,6		5.0	

Lab	Location	Position	Tide	Sampling Date	Time	Water depth, m	Temp.	DO, mg/L,	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
		В	MID-EBB	4-Sep-06			26.6	5.56	5,47	5,52	83,6	81,2	8.2	29.5	4.1	4.2	3,8	7.0	5.7
	WFCZR2	S	MID-FLOOD	4-Sep-06			29.2	5,87	5.83		90,1	88,1	8,0	15.2	3,5	3,0		5,5	6
91	WWA1	M	MID-FLOOD	4-Sep-06	16:23	7.40	28.7	5.78	5.70	5,80	87.3	84.6	8,0	20,3	3.1	3,3		8.5	
92	WWA1	B	MID-FLOOD	4-Sep-06			28.1	5.63	5.57	5,60	86.2	81_9	8.0	22.3	3_8	3.5	3,4	8,5	7.5
93	WWA1	S	MID-FLOOD	4-Sep-06			28.9	5.94	5.84		91,6	89_5	8_0	18.6	2.9	2.7		5.5	
94	WWA2	M.	MID-FLOOD	4-Sep-06	16:12	7,30	28.5	5.86	5.77	5,85	87.8	87,3	8.0	21.1	3,0	2.9		10,5	
95	VVVAZ	B	MID-FLOOD	4-Sep-06		. 5	28:4	5.62	5.48	5,55	90.1	86,9	8.0	20.9	2.1	2.1	2,6	8,5	8,2
96	WWA2	S	MID-FLOOD	4-Sep-06			29.7	5.90	5.79		89.7	86,3	B.1	16.8	2.8	2.9		5,0	
97	VVVVA3	N.	MID-FLOOD	4-Sep-06	16:00	6.90	29.1	5.74	5,61	5,76	87.9	85.7	8.0	19,3	3.1	3,2		8,5	
98	WWA3	B	MID-FLOOD	4-Sep-06	1,1,1	1	28.4	5.50	5.43	5,47	82.6	80,3	8.0	21.3	3.4	3,5	3,2	8,5	7_3
99	VVVVA3	S	MID-FLOOD	4-Sep-06	_		29.3	5.97	5,90		94.4	90,3	8.0	17.6	3.6	3,7	Į.	4.5	l .
100	WRAT	M	MID-FLOOD	4-Sep-06	16:38	27-10	27.1	5.84	5.76	5,87	86,1	84,9	0,8	28_5	3.7	3.5	1	5,0	
101	WRA1	B	MID-FLOOD	4-Sep-06	10000		26.7	5.60	5.48	5.54	85.4	82.1	0,8	30.0	3.5	3.4	3,6	10,0	6,5
102	WRA1	S	MID-FLOOD	4-Sep-06	-	_	28.6	5_99	5.84		93.4	92.6	8.1	17.7	2.9	3.1		15.0	
103	WRA2		MID-FLOOD	4-Sep-06	16:53	25.90	27.2	5.80	5,64	5.82	86.7	84.8	8_1	29.6	3,2	3.7		10.0	
104	WRA2	M	MID-FLOOD	4-Sep-06	10,00		26.8	5.60	5.49	5,55	85.6	81.6	8,1	30.1	3.7	3.6	3,4	12.5	12.5
105	WRA2	B	MID-FLOOD	4-Sep-06	_	-	28.7	5.92	5.80		93.3	89.6	8_1	18.2	4.1	4.2		11.0	
106	WRA3	M	MID-FLOOD	4-Sep-06	17:07	24.30	27.4	5.82	5.65	5,80	88.3	84.9	8,1	27.2	4.2	4.3	1	14.0	
107	WRA3	B	MID-FLOOD	4-Sep-06	17.07	2.,02	26.7	5,60	5.43	5.52	82.6	80,8	8.1	30.1	4.2	4.1	4.2	15.5	13.5
106			MID-FLOOD	4-Sep-06	_	-	29.1	5.92	5.84		94.4	92.8	8.1	17.7	2.9	2.9	1	5.5	
109	WWFCZ1	S M	MID-FLOOD	4-Sep-06	17:45	33.80	27.4	5.77	5.65	5.80	88.3	84.0	8,1	28.3	3.1	3,2	1	13.0	1
110	WWFCZ1	B B	MID-FLOOD	4-Sep-06		00,00	26.8	5.61	5.50	5.56	86.2	82,9	8,1	30,1	3.1	3.5	3.1	9.0	9.2
111	WWFCZ:	2 8	MID-FLOOD	4-Sep-06		-	29.3	5.84	5,72		91.8	90.1	8.1	17.5	3.9	3,8		10,5	1
112	WWFCZ		MID-FLOOD	4-Sep-06	17:32	32.90	28.0	5.63	5.58	5.69	86.2	82.1	8.0	24.0	3.5	3,6	1	5,5	
113	WWFCZ		MID-FLOOD	4-Sep-06			27.0	5,30	5.43	5,37	84.4	81.5	8.0	29.4	4.2	4.2	3.9	5.5	7.2
114		S	MID-FLOOD	4-Sep-06	_		29.3	5.87	5,81		89.9	83.2	0,8	18.3	3.2	3.3		10.5	4
116	-	M	MID-FLOOD	4-Sep-06	17:58	35.10	27.1	5.74	5,65	5.77	86.5	82.6	8.0	29.5	2,8	2,9	1	8.5	٠
117		B	MID-FLOOD	4-Sep-06	1		26.7	5.51	5.44	5.48	86.0	81,5	8.0	29.8	2.6	2.7	2,9	7,5	8.8
118	1		MID-FLOOD	4-Sep-06	-		29,6	5.83	5.70		93.6	91_0	8.1	17.4	3,5	3.6		5,5	-
119	_		MID-FLOOD	4-Sep-06	17:20	36.80	27.3	5.72	5.59	5.71	87.5	86.1	8.0	28.0	3.8	3.8]	6,0	1
120	WFCZRZ		MID-FLOOD	4-Sep-06	1000		26.4	5,48	5.42	5.45	84.0	82.1	8.0	30.4	3,9	3,8	3.7	14.0	9,2
121	VVVVA1	S	MID-EBB	6-Sep-06		_	28.1	5.94	5,91		93.1	90,6	8.0	24.1	2.6	2,6		6,0	4
122		- M	MID-EBB	6-Sep-06	11:20	6.80	27.9	5,84	5.80	5.87	86.2	84.0	8.0	25,3	3.4	3.4	1	11.5	4
123		В	MID-EBB	6-Sep-06	1		27.9	5.70	5.49	5.60	82.4	80.6	0,8	24,9	3,7	3,6	3.2	9.5	9,0
124	WWA2	S	MID-EBB	6-Sep-06	_	1	28.0	5.88	5.84		90.4	86,6	8.0	23.6	2.6	2,6	4	6.0	4
125		M	MID-EBB	6-Sep-06	11:10	9.20	27.9	5.72	5,66	5.78	86,1	84.4	8,0	23.7	3,6	3.2	1	6.0	4
126		В	MID-EBB	6-Sep-06	1		27.9	5.63	5.51	5,57	83.2	80,6	8,1	26.9	2,9	3.0	3,0	7.0	6,3
127	WWA3	S	MID-EBB	6-Sep-06		1	27.9	5.95	5.89		B2.2	88.5	8.0	22.7	2,8	2.9		7.0	4
128		M	MID-EBB	6-Sep-06	11:00	6,50	27.8	5.82	5.70	5.84	84.4	62.3	8.0	24.2	3,8	3.3	4	4,5	4
129		B	MID-EBB	6-Sep-06	1		27.5	5,63	5.45	5.54	85.3	79.3	8.0	24.0	3,9	3.4	3,4	15.0	8.8
130		8	MID-EBB	6-Sep-06	1		28.8	5.88	5.76		92,9	89.9	8.1	19_2	2,3	2.2	-	4.0	4
131	WRA1	M	MID-EBB	6-Sep-06	11:32	26,00	27.0	5.64	5.56	5,71	87.7	84.1	8.1	28.8	8,9	9,6	4	7.0	4
132		B	MID-EBB	6-Sep-06	1		26.2	5.52	5.41	5.47	89.1	82.2	8,1	30.4	6_5	6.2	6.0	11.0	7,3
133		S	MID-EBB	6-Sep-06	1	1	28.9	5.86	5.80		89.8	86.2	8.1	19,5	3.2	3,4		6.5	1

Giveny project 24583 cm _data-marine/impact/Data Evaluation/monthly/

Page 3 of 18

Lab 1D	Localion	Position	Tide	Sampling Date	Time	Water depth, m	Temp °C	DO, mg/L (1)	DO, mg/L (2)	DO, Average value	00, % saturation (1)	DO, % saturation (2)	pH, Unit	Satinity, ppt	Turbidity, NTU (1)	Turbidity, NTU (2)	NTU, Averaged Value	Suspended Solid, mg/L	SS. Averaged Value
134	WRA2	М	MID-EBB	6-Sep-06	11:44	22.40	28.1	5.77	5,64	5.77	84.9	82.6	8.1	22,8	3,4	3.1		6.5	l
135	WRA2	В	MID-EBB	6-Sep-06	100000		26.3	5.58	5.45	5,52	84.1	80.6	8.1	30.7	8.1	7.2	4.7	11.0	8.0
136	WRA3	S	MID-EBB	6-Sep-06	-		28.6	5.89	5.80		84.8	86.2	8.1	19.9	2.9	2.6		3,5	
137	WRA3	M	MID-EBB	6-Sep-06	11:56	23.00	27.3	5.76	5.64	5,77	85.9	84.2	8.1	26.2	4.5	4,6		3.5	
136	WRA3	В	MID-EBB	6-Sep-06			26.6	5,59	5.43	5,51	82.6	80_1	8.1	28,9	5,4	5.6	4.3	12.5	6,5
139	WWFCZ1	S	MID-EBB	6-Sep-06			28.4	5,93	5.85		91.4	67.6	8.1	20.7	2.4	2,3		6.5	
140	WWFCZ1	M	MID-EBB	6-Sep-06	12:35	33.70	26.6	5.87	5.69	5.84	88,1	84.6	8.1	29.8	5.3	5.3		9.0	20
141	WWFCZ1	В	MID-EBB	6-Sep-06			26.8	5.54	5.43	5,49	83.9	0.08	8.1	26.6	3,2	3.4	3.7	6.0	7.2
142	WWFCZ2	S	MID-EBB	6-Sep-06			28.6	5.86	5.82		90,4	87.6	8.1	19.7	2.6	2.5		6.5	4
143	WWFCZ2	M	MID-EBB	6-Sep-06	12:23	34.10	28.1	5.76	5,69	5.78	86.2	83.6	8.1	22.8	2.9	3.5		17.0	45.0
144	WWFCZ2	В	MID-EBB	6-Sep-06			26.8	5.52	5.41	5.47	84.9	80.2	8.1	29.9	4.1	4.5	3,3	24.0	15.8
145		S	MID-EBB	6-Sep-06			28.5	5.86	5.81		8,88	85,3	8.1	19.9	2.7	2,6		6.0	-
146		M	MID-EBB	6-Sep-06	12:47	39.00	27.5	5.74	5.63	5.76	86.2	82.5	8,1	24.7	3.4	3.6		8.5	40.7
147	WFCZR1	В	MID-EBB	6-Sep-06	1		26.8	5.50	5.43	5.47	83.3	80.4	8.1	28.5	3.9	3.9	3.3	23.5	12.7
148	WFCZR2	S	MID-EBB	6-Sep-06			29.2	5.91	5.86		92.4	87.9	8.0	19.5	2.5	3,4		6.5	4
149	WFCZR2	M	MID-EBB	6-Sep-06	12:10	38.30	27.0	5.82	5.76	5.84	84,9	83.6	8.1	29.4	4.5	4.3		12.0	44.0
150	WFCZR2	В	MID-EBB	6-Sep-06		100	26.5	5.51	5.43	5.47	83.3	81,6	8.1	29.0	5.2	5.6	4.2	24.0	14.2
151	WWA1	S	MID-FLOOD	6-Sep-06			29.1	5.92	5,85		92.0	87.6	8.2	19,7	4.0	4.1		7.5	4
152	WWA1	M	MID-FLOOD	6-Sep-06	16:05	8,00	29.0	5.70	5,65	5.78	86.6	83.4	8.1	20.2	3.9	3.7		9.5	8.2
153	WWAT	В	MID-FLOOD	6-Sep-06			29.0	5.59	5.44	5,52	84.6	81.2	8,1	20.4	4.2	3,7	3.9	7.5	0.2
154	WWA2	S	MID-FLOOD	6-Sep-06			28.1	5.98	5.90		94.0	89.5	6.1	19 8	3.1	3.2		11.5	4
155	WWA2	M	MID-FLOOD	6-Sep-06	15:55	12.20	29.2	5.74	5.67	5,82	89.0	86.2	8.1	19.7	4.3	3.7		11.5	4
156	WWA2	В	MID-FLOOD	6-Sep-06			29,1	5,62	5.50	5,56	84.0	82.1	8.1	19.7	3.4	3.6	3.6	12.0	11.7
157	WWA3	S	MID-FLOOD	6-Sep-06			29.2	5.96	5.90		91.0	86.4	8,1	19.0	4.4	3.4		7.0	-
158	WWA3	M	MID-FLOOD	6-Sep-06	15:45	7.40	28.9	5.78	5.69	5.83	87.1	85.4	8.1	19.7	4.3	3.9		8.5	4
159	WWA3	В	MID-FLOOD	6-Sep-06	1		28.9	5.53	5 42	5,48	86.0	61.6	8.1	19.7	3.9	3.4	3,9	7.5	7.7
160	WRA1	S	MID-FLOOD	6-Sep-06			29.0	5.95	5 B6		91.6	88.3	8.1	19.0	3.8	3.5		4.5	4
161	WRA1	M	MID-FLOOD	6-Sep-06	16:17	29.50	28.4	5.74	5.62	5.79	87.4	85.0	8.1	23.0	5.4	5.3	1	16.0	4
162		В	MID-FLOOD	6-Sep-06	i	89 1	27.5	5.58	5.44	5.51	83.3	80.4	8.1	25.8	6.5	6.5	5,2	13.5	11.3
163	WRA2	S	MID-FLOOD	6-Sep-06		-	26.9	5.96	5.84		90.4	86.9	8.1	18.8	4.3	3.7	1	3.5	4
164	WRA2	M	MID-FLOOD	6-Sep-06	16:29	24.40	28.4	5.77	5.67	5,81	89.8	84.8	8.1	22.4	4.5	4.5	1	4,5	4
165	WRA2	В	MID-FLOOD	6-Sep-06	7.53.53.5		27.4	5.61	5.47	5.54	85.2	81.1	8,1	26.3	7.1	6.4	5.1	18.0	8.7
166		S	MID-FLOOD	6-Sep-06	_		28.9	5.89	5.82		94.0	89.6	8.1	19.0	3.4	3.0	1	5.5	4
167	WRA3	V	MID-FLOOD	6-Sep-06	16:41	25.10	28.4	5.74	5,60	5.76	86.7	82.1	8.1	21.8	4.1	3.8	1	15.0	4
168		В	MID-FLOOD	6-Sep-06	1		27.4	5.58	5.41	5,50	84.9	80.9	8.1	26.2	6.9	6.4	4.6	7.5	9,3
169		8	MID-FLOOD	6-Sep-06			28.8	5.98	5.91		90:4	86,6	8.1	18.7	3,5	3.4		5,5	4
170		Ň.	MID-FLOOD	6-Sep-06	17:20	35,70	28.2	5.84	5.69	5.86	88.2	84.0	8.1	22.2	4.9	4.6	1	7.5	4 %
171		B	MID-FLOOD	6-Sep-06	1		27 B	5,60	5,47	5,54	83.7	81.2	8.1	23.6	6.0	5.7	4.7	9.0	7.3
172			MID-FLOOD	6-Sep-06	_		28.6	5,94	5.89		93,6	89.7	5.1	18.8	4.0	3.8		3,5	4
173	-		MID-FLOOD	6-Sep-06	17:08	36.00	28.2	5.75	5.64	5.81	86.6	82.3	8.1	21.8	4.8	4.7		7.0	4
174			MID-FLOOD	6-Sep-06	1		27.4	5.54	5.46	5.50	83.8	81.0	8.1	25.B	5,5	5,3	4.7	9.0	6.5
175		S	MID-FLOOD	6-Sep-06	1	-	28.6	5.91	5.85	1	94.3	88.6	8.2	18.8	2,B	3.0		6.0	_
176		M	MID-FLOOD	6-Sep-06	17:34	42.20	28.3	5.66	5.55	5.74	64.6	82.1	8.2	21.8	4.7	4.9		7.5	4
	WFCZR1		MID-FLOOD	6-Sep-06	11.500	1	27.0	5.63	5.54	5.59	B3.3	80.5	8.2	28.1	5.3	5.4	4.3	10.0	7.8

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	6-Sep-06			29.2	5,99	5,91		91.1	87.7	8.1	18.5	3.3	3.2		4.5	
179	WFCZR2	M	MID-FLOOD	6-Sep-06	16:53	41.10	27.9	5.80	5.70	5.85	86.9	84.8	8.2	23.9	6.0	6.1		10,0	ĺ
180	WFCZR2	В	MID-FLOOD	6-Sep-06			27.1	5.60	5.51	5.56	85.0	80.6	8.2	27.1	6.4	6.4	5.2	11.0	8.5
181	WWA1	S	MID-EBB	8-Sep-06	oranies	10.000.00	27.5	5.87	5.80		91.3	0.88	8.0	25.7	5.1	5.5		12.5	
182	WWA1	M	MID-EBB	8-Sep-06	13:50	6.90	27.5	5.76	5.68	5.78	86.6	83.9	8.0	25.9	6.0	6.4		13.5	1
183	WWA1	В	MID-EBB	8-Sep-06			27.3	5,59	5.43	5,51	85.1	82.0	8.0	25.8	5.0	5.3	5.6	14.0	13.3
184	WWA2	S	MID-EBB	8-Sep-06			27.4	5.96	5.92		93.6	90.9	8.0	25.7	6.0	6.3		12.0	
185	WWA2	M	MID-EBB	8-Sep-06	13:40	8.90	27.4	5.88	5.72	5.87	91.7	89.1	8.0	25.8	6.9	6.1		17.5	ĺ
186	WWA2	В	MID-EBB	8-Sep-06			27.4	5.60	5.48	5.54	86.0	84.2	8.0	25.8	6.3	6.4	6.3	13.5	14.3
187	WWA3	S	MID-EBB	8-Sep-06			27.4	5.87	5.76		92.2	87.0	8.0	25.6	4.7	4.2		14.5	
188	WWA3	M	MID-EBB	8-Sep-06	13:30	6.70	27.4	5.72	5.57	5,73	85.7	82.8	8.0	25.8	6.7	6.5		19.5	i .
189	WWA3	В	MID-EBB	8-Sep-06			27.4	5.60	5.50	5.55	83.7	80.9	8.0	25,7	6.9	6.8	6.0	18.0	17.3
190	WRA1	S	MID-EBB	8-Sep-06			27.9	5.97	5.91		94.0	90.8	8.1	24.0	4.5	4.4		9.0	
191	WRA1	M	MID-EBB	8-Sep-06	14:04	26.70	27.0	5.80	5.71	5.85	86.1	85.4	8.1	27.5	7.1	8.0		14.5	1
192	WRA1	В	MID-EBB	8-Sep-06			26.9	5.66	5.47	5.57	84.4	80.7	8.1	28.0	9.3	9.3	7.1	15.5	13.0
193	WRA2	S	MID-EBB	8-Sep-06		0-000	27.6	5.85	5.76		87.7	86.4	8.1	24.2	4.2	4.4		7.5	1.377
194	WRA2	M	MID-EBB	8-Sep-06	14:16	23.00	27.1	5.69	5.54	5.71	86.0	83.1	8.1	27.0	7.9	7.7		8.5	
195	WRA2	8	MID-EBB	8-Sep-06		0	26.8	5.52	5,43	5.48	85.7	81.6	8.1	26.4	8.2	8.0	6.7	10.5	8.8
196	WRA3	S	MID-EBB	8-Sep-06			27.8	5.88	5.74		89.3	87.0	8.1	24.0	3.0	3.0		6,5	
197	WRA3	M	MID-EBB	8-Sep-06	14:28	23.60	27.3	5.70	5.61	5.73	85.8	83.2	8.1	26.2	9.1	9.2		13.5	f
198	WRA3	В	MID-EBB	8-Sep-06		-500	26.5	5.52	5.46	5.49	84.0	81.1	8.1	28.6	10.2	9.6	7.4	18.0	12.7
199	WWFCZ1	S	MID-EBB	8-Sep-06			27.7	5,83	5,76		90.2	88.5	8.2	24.0	4.8	4.8		7,0	
200	WWFCZ1	M	MID-EBB	8-Sep-06	15:10	34.60	27.2	5.71	5.60	5.73	87.0	83.4	8.2	26.2	4.9	5.1		7.5	f
201	WWFCZ1	В	MID-EBB	8-Sep-06			26.9	5.51	5.42	5.47	84.0	80.7	8.2	27.2	9.1	9.6	6.4	15.5	10.0
202	WWFCZ2	S	MID-EBB	8-Sep-06			28.0	5.93	5.86		91.2	87.9	8.2	23.6	4.0	4.1		4.0	
203	WWFCZ2	M	MID-EBB	8-Sep-06	14:53	33.70	27.1	5.72	5.66	5.79	85.3	82.6	8.2	26.6	6.4	6.5		8.0	
204	WWFCZ2	В	MID-EBB	8-Sep-06			26.8	5.61	5.50	5.56	93.0	80.7	8.2	25.5	6.6	6.7	5.7	9.0	7.0
205	WFCZR1	\$	MID-EBB	8-Sep-06		200 48.0	27.8	5,88	5.71		89.2	83.9	8.2	24.0	5.2	5.1		8.0	
206	WFCZR1	M	MID-EBB	8-Sep-06	15:23	39,50	27.2	5.74	5.62	5.74	85.6	82.6	8.2	26.2	7.2	7.4		10.5	
207	WFCZR1	В	MID-EBB	8-Sep-06			26.8	5.53	5.46	5,50	83.0	80.6	8.2	26.7	11.0	11.5	7.9	12.5	10.3
208	WFCZR2	S	MID-EBB	8-Sep-06			27.8	5.91	5.84		93,6	90.3	8.2	23.8	4.8	4.5		8.0	
209	WFCZR2	M	MID-EBB	8-Sep-06	14:40	39.40	27.2	5.74	5.60	5.77	86.2	83.8	8.2	25.9	8.3	7.9		9.5	a II
210	WFCZR2	В	MID-EBB	8-Sep-06			26.9	5.53	5.44	5.49	81.0	80.0	8.2	26.5	5.9	6.0	6.2	16.0	11.2
211	WWA1	S	MID-FLOOD	8-Sep-05			26.9	5.92	5.76		88.6	83.2	8,1	27.7	3.1	3.7		3.0	
212	WWA1	M	MID-FLOOD	8-Sep-06	9:50	7.70	26.6	5.86	5.71	5.81	86.9	81.9	8.1	28.9	4.9	5.0		5.0	î l
213	WWA1	В	MID-FLOOD	8-Sep-06			26.6	5.62	5.46	5.54	84,6	80.2	8.1	28.8	4.9	4.5	4.3	6.5	4.8
214	WWA2	S	MID-FLOOD	8-Sep-06		- Constant	26.8	5.84	5.76	2000	89.1	84.3	8.1	27.9	3.7	3.8		9.5	7
215	WWA2	M	MID-FLOOD	8-Sep-06	9:40	11.80	26,5	5.65	5.60	5.71	85.0	81.5	8.1	28.7	4.1	4.0	1	12.0	1
216	WWA2	В	MID-FLOOD	8-Sep-06			26.3	5.51	5.43	5.47	83.3	80.1	8.1	29.1	4.0	4.4	4.0	12.5	11.3
217	WWA3	S	MID-FLOOD	8-Sep-06	100000	naces 6	26.8	5.86	5.80	-2721	89.6	83,6	8.1	25.4	3.7	3.5		4.5	
218	WWA3	M	MID-FLOOD	8-Sep-06	9:30	7.10	26.5	5,76	5.63	5.76	88.4	84,0	8.1	28.6	4.7	5.0		8.0	ť I
219	WWA3	В	MID-FLOOD	8-Sep-06			26,5	5.61	5.43	5.52	86.2	8.08	8.1	28.9	4.0	4.4	4.2	7.0	6.5
220	WRA1	S	MID-FLOOD	8-Sep-06	000012	No.	27.0	5.89	5.76		91.6	87.9	8,1	27.2	4,4	4.5		4.5	
221	WRA1	M	MID-FLOOD	8-Sep-06	10:05	31.40	26.6	5.82	5.66	5.78	85.3	81.0	8.1	29.3	5.0	5.0		8.5	ā d

Gueny project 24583 env_data marine impact Data Evaluation monthly

Page 5 of 18

Lab ID	Localion	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
222	WRA1	В	MID-FLOOD	8-Sep-06			26.3	5,68	5.50	5,59	84,3	80.2	8.1	29.8	5.1	5.4	4,9	7.5	6.8
223	WRA2	S	MID-FLOOD	8-Sep-06			26.7	5,87	5,79		90,6	87.2	8.1	28.1	4.5	4.6		8,0	
224	WRA2	M	MID-FLOOD	8-Sep-06	10:17	25.20	26.4	5.82	5,69	5,79	84.6	82.4	8.1	29.6	6.5	6.6		11.5	
225	WRA2		MID-FLOOD	8-Sep-06			26.1	5,56	5,45	5,51	83_6	80.8	8.1	30.1	8.5	8.6	6.6	13.0	10,8
226	WRA3	S	MID-FLOOD	8-Sep-06			26.7	5,86	5,77		92.2	88.7	8.1	27.8	4.1	3.9		6.0	
227	WRA3	M	MID-FLOOD	8-Sep-06	10:29	25.70	26.4	5.58	5,49	5,68	86,2	82.5	8.1	29.4	5.3	5.5		13.0	
228	WRA3	В	MID-FLOOD	8-Sep-06			26.3	5,52	5.41	5,47	83.9	80,5	8.1	29.7	5.7	5.1	4.9	8.5	9.2
	WWFCZ1		MID-FLOOD	8-Sep-06			26.8	5.90	5.81		92.0	87.8	8.2	28.0	4.5	5.3		8.0	
	WWFCZ1	M	MID-FLOOD	8-Sep-06	11:09	36,30	26.2	5.72	5.64	5.77	86.1	82.0	8.2	29.9	6.4	6.1		10.0	
	WWFCZ1		MID-FLOOD	8-Sep-06			26.4	5,66	5,50	5,58	84.6	8.08	8.2	30.0	5.5	5.4	5,5	12.0	10.0
	WWFCZ2	S	MID-FLOOD	8-Sep-06			26.8	5.84	5.71		90.0	86.4	8.2	27.B	5.2	5,3		10.5	
	WWFC22		MID-FLOOD	8-Sep-06	10:53	37,00	26.3	5.68	5,59	5.71	85,3	82.9	8.2	29,6	6.3	6.0		17.5	
234	WWFCZ2	В	MID-FLOOD	8-Sep-06			26,2	5.49	5,40	5.45	82.5	80.4	8.2	29.9	6.1	6,1	5,8	15.5	14.5
	WFCZR1	S	MID-FLOOD	6-Sep-06			26,6	5.92	5,77		90.7	86.9	8.2	28,5	5,4	3.9		8,5	
	WFCZR1	M	MID-FLOOD	8-Sep-06	11:22	42,00	26.2	5_80	5.67	5.79	84.6	81.8	8.2	29,5	10.6	10.3		20,0	
237	WFCZR1	В	MID-FLOOD	8-Sep-06			26.2	5.59	5.41	5,50	83.6	80.7	8,2	29,6	10.6	10.1	8.5	19.0	15.8
	WFCZR2	S	MID-FLOOD	8-Sep-06			26,9	5.90	5.87		93.0	86_3	8.2	27,9	5.2	5,6		8.0	
	WFCZR2		MID-FLOOD	8-Sep-06	10:41	41.40	26.5	5.74	5.67	5.80	87.6	84.4	8.2	29.1	3.2	3.2		10.5	
	WFCZR2	В	MID-FLOOD	8-Sep-06			26.1	5.65	5.51	5.58	83.0	80.2	8.2	30.2	5.0	5.2	4.5	20.0	12.8
241	WWA1	S	MID-EBB	12-Sep-06			24.7	5.95	5,86		93.7	90.2	8.1	31.7	5.0	4,9		7.0	
242	WWA1	M	MID-EBB	12-Sep-06	14:22	6,60	24.6	5.79	5,59	5,80	86,0	84.3	8.1	31.7	4.2	4.2		10.5	
243	WWA1	В	MID-EBB	12-Sep-06			24.5	5.53	5.43	5,48	84.8	80.7	8.1	31.7	4.5	4.4	4.5	12.0	9,8
244	WWA2	S	MID-EBB	12-Sep-06		1	24_2	5_84	5.76		92.4	87.8	8.1	31.8	5.3	5.2		9.5	
245	WWA2	M	MID-EBB	12-Sep-06	14:11	9,00	24.4	5,60	5,52	5,68	86.6	83.9	0.1	31.8	4.4	4.4		0,8	
246	WWA2	В	MID-EBB	12-Sep-06			24.4	5.54	5.43	5,49	84_0	82.1	8.1	31.7	5.0	5,2	4.9	9.0	8.8
247	WWA3	S	MID-EBB	12-Sep-06		1	24.3	5.94	5,80		95.0	89.2	8.1	31.3	4.1	4.0		10.0	
248	WWA3	M	MID-EBB	12-Sep-06	14:00	6,30	24.3	5.70	5_57	5.75	89.6	87.4	8.1	31.6	4,4	4.3		13.5	
249	WWA3	В	MID-EBB	12-Sep-06			24.2	5.52	5.41	5.47	83.5	80.7	8.1	31.7	4.2	4.2	4.2	11.5	11.7
250	WRA1	S	MID-EBB	12-Sep-06			24.7	5.94	5.80		96.4	90.9	8.1	31.6	3.9	4.0		7.5	
251	WRA1	M	MID-EBB	12-Sep-06	14:34	27.30	24,5	5.71	5,60	5_76	87.6	84.5	8.1	31.8	4.0	4.1		7.5	
252	WRA1	В	MID-EBB	12-Sep-06			24.6	5.55	5.43	5_49	83.9	80.6	8.1	31,6	3.8	3.9	3,9	9.5	8.2
253	WRA2	S	MID-EBB	12-Sep-06			24.4	5.92	5,86		94_0	90.1	8.1	31.9	3.8	3.9		7.5	
254	WRA2	М	MID-EBB	12-Sep-06	14:46	21,40	24.5	5.80	5.67	5,81	87,3	82.6	8.1	31.7	3,5	3.7		10.0	
255	WRA2	В	MID-EBB	12-Sep-06			24.3	5,64	5,50	5.57	85.6	80.9	8.1	31.5	4.0	4.2	3.8	9.5	9.0
256	WRA3	S	MID-EBB	12-Sep-06			24.5	5.91	5.76		96.0	92.0	8.1	31.6	3.8	4.0		9.0	
257	WRA3	M	MID-EBB	12-Sep-06	14:58	22,00	24.3	570	5,57	5.74	85.7	82.9	8.1	31,4	3.5	3,6		11.5	0.0
258	WRA3	В	MID-EBB	12-Sep-06			24.4	5,52	5.46	5,49	84.6	80.8	8.1	31.8	4.1	4.0	3.8	15.0	11.8
	WWFCZ1	S	MID-EBB	12-Sep-06			24.5	5_84	5.72		92.0	88,4	8.1	31.3	4.2	4.5		7.5	
	WWFCZ1	M	MID-EBB	12-Sep-06	15:38	32,50	24.3	5,66	5.54	5,69	87.0	83,6	8.1	31,9	6.8	6.7		12.5	
	WWFCZ1	В	MID-EBB	12-Sep-06			24.0	5.50	5.42	5.46	84,5	81.2	8.1	31.0	6.2	6.1	5.8	12.0	10,7
	WWFCZ2	S	MID-EBB	12-Sep-06			24.6	5.88	5.72		93,6	87.9	8.1	31.5	4,5	5.5		11.5	
	WWFCZ2	M	MID-EBB	12-Sep-06	15:25	30,10	24.2	5.62	5.57	5,70	86,0	84,3	8.1	31.4	4.8	5.6		16.0	
	WWFCZ2	В	MID-EBB	12-Sep-06			24.0	5.50	5.44	5.47	65 7	80,5	B.1	31.9	4,3	4.4	4.9	11,5	13.0
65	WFCZR1	S	MID-EBB	12-Sep-06			24.3	5.94	5.82		94,6	90_7	8.1	31,0	6.0	5.9		7.5	

Lab	Location Position	n 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
_	WFCZR1 M	MID-EBB	12-Sep-06	15:49	38,90	24.3	5,76	5,63	5,79	B7,3	83,2	8.1	31.5	5.5	5.6		12.5	
	WFCZR1 B	MID-EBB	12-Sep-06			24.4	5,58	5.42	5,50	84.5	81.4	8.1	31.7	5.3	5_3	5.6	8.0	9.3
	WFCZR2 S	MID-EBB	12-Sep-06			24.4	5.97	5,89		98.3	91.9	8.1	30.8	4.4	4.4		7.5	
	WFCZR2 M	MID-EBB	12-Sep-06	15:12	38.20	24.3	5.80	5.69	5,84	88.7	84,6	8.1	31_4	5,9	5,9		10.0	
	WFCZR2 B	MID-EBB	12-Sep-06	f	2000	23.9	5.54	5.46	5,50	86,3	82,0	8,1	31.8	5_6	5,7	5_3	12.0	8.9
271	WWAT S	MID-FLOOD	12-Sep-06	_		24.5	5,97	5,90		92.4	88.6	8.0	30,9	4_B	4.5		11.5	
272	WWA1 M	MID-FLOOD	12-Sep-06	10:20	7,80	24.3	5.74	5,68	5.82	86.2	83.7	8.0	31.1	5.2	5.3	1	21,0	
273	WWA1 B	MID-FLOOD	12-Sep-06	1		24.1	5.60	5.47	5,54	84.0	80.7	8.0	31.2	4.7	4.8	4.9	14.5	15.7
274	WWA2 S	MID-FLOOD	12-Sep-06			24.4	5,90	5,80		93.0	87.4	8.0	31,3	5.1	5.4		10.0	1
275	WWA2 M	MID-FLOOD	12-Sep-06	10:10	11.90	24.3	5,63	5.57	5.73	0.88	84.0	8,0	31_1	5.9	5.7		11.5	1
276	WWA2 B	MID-FLOOD	12-Sep-06			24.2	5.49	5.42	5.46	85.3	82.1	0.8	31.2	5.1	5.3	5.4	13.0	11,5
277	WWA3 S	MID-FLOOD	12-Sep-06			24.6	5.99	5.90		92.0	90.4	8,0	31.6	4.2	4.5		11.0	
278	WWA3 M	MID-FLOOD	12-Sep-06	10:00	7.50	24.3	5.72	5,63	5.81	87.4	84.4	8,0	31.4	5.1	5.0		13,0	1
279	WWA3 B	MID-FLOOD	12-Sep-06			24.0	5.50	5,43	5.47	82.9	81,0	8.0	31,2	5.3	5.2	4.9	14.0	12.7
280	WRA1 S	MID-FILOOD	12-Sep-06	-		24.4	5.84	5.76		94.0	92.4	8.1	31.6	4.1	4,3		15.0	
281	WRA1 M	MID-FLOOD	12-Sep-06	10:33	32.00	24.0	5,66	5.59	5.71	86.7	83,2	8,1	31.5	3.6	3.7		13.0	1
282	WRA1 B	MID-FLOOD	12-Sep-06	1		24.0	5.53	5.42	5,48	84.4	8.08	B,1	31.4	3.9	4.1	3,9	8.5	12.2
283	WRA2 S	MID-FLOOD	12-Sep-06	_	_	24.2	5,96	5.87		93.5	90,9	B,1	31.2	3.4	3.6		13.5	
284	WRA2 M	MID-FLOOD	12-Sep-06	10:46	25,30	24.0	5.82	5.69	5_84	89.7	86.3	8.1	31.3	4.0	3.8	1	12.5	1
285	WRA2 B	MID-FLOOD	12-Sep-06	1	1 8 1	23.8	5.63	5.50	5.57	84.0	81,7	8.1	31_3	4.1	3.9	3,8	15.0	13,7
286	WRA3 S	MID-FLOOD	12-Sep-06	_		24.2	5.88	5.82		96,0	91.4	8.1	31.6	4.2	4.1		13.5	1
287	WRA3 M	MID-FLOOD	12-Sep-06	10:59	24.20	23.8	5.76	5.63	5.77	87.7	84.3	8.1	31,6	5.3	5.2]	15.0	1
288	WRA3 B	MID-FLOOD	12-Sep-06			23.7	5,56	5.45	5.51	82.6	80.4	8.1	31.2	4.8	4.8	4.7	15.5	14.7
289	WWFCZ1 S	MID-FLOOD	12-Sep-06			24.6	5.94	5.86		93.6	90,1	8.1	31.4	4.3	4.5		10.5	
290	WWFCZ1 M	MID-FLOOD	12-Sep-06	11:38	34.60	24.5	5.70	5.65	5.79	88.2	84.0	8,1	31.6	6.3	6.2]	20.5	1
291	WWFCZ1 B	MID-FLOOD	12-Sep-06	1		24.7	5,54	5.44	5.49	82.6	80.8	8,1	31.2	5.9	5.7	5,5	25.0	18,7
292	WWFCZZ S	MID-FLOOD	12-Sep-06			24.2	5,86	5.72		91.6	88.7	8,0	31.3	4.8	4.7		14.0	
293	WWFCZ2 M	MID-FLOOD	12-Sep-06	11:25	35.50	23.8	5.67	5,59	5.71	85.0	82.6	B,0	31.2	5.4	5,3	1	15,5	
	WWFCZ2 B	MID-FLOOD		1		24.2	5,49	5.42	5,46	84.4	80.7	8.0	31.2	5,1	5,2	5.1	22.5	17.3
295	WFCZR1 S	MID-FLOOD				24.4	5.89	5.82		93,6	87.6	8.0	16.6	5,5	5.4		36.0	
296	WFCZR1 M	MID-FLOOD		11:50	42.60	24.2	5.74	5.67	5.78	86.9	84.2	8,0	25.7	5.0	4.9	j	26.0	
297	WFCZR1 B	MID-FLOOD		1	711 1	23.8	5,60	5,47	5.54	83.6	80.7	8.0	31,4	4.2	4,4	4.9	33.0	31.7
298	WFCZR2 S	MID-FLOOD	12-Sep-06			24.5	5,99	5,92		94,6	92.0	8.1	31.4	5.3	5,1		15.5	4
299	WFCZR2 M	MID-FLOOD		11:12	43.00	24.5	5,80	5,72	5.86	86,7	B4.1	8.1	31.4	5.5	5.3	1	21.5	4
300	WFCZR2 B	MID-FLOOD		1		24.0	5,60	5.47	5.54	83.2	80.7	8.1	31.4	4.7	4.4	5.0	19.5	18,8
301	WWA1 S	MID-EBB	14-Sep-06			25.4	5,81	5,70		88,8	85.1	8.3	27.9	4.5	4_9		11.0	4
302	WWAT M	MID-EBB	14-Sep-06	9:20	6,50	25.3	5,61	5.54	5.67	87.0	82.4	8.3	29.6	5,6	5.2	1	10.5	4 0
303	WWA1 B	MID-EBB	14-Sep-06	1		25.3	5.52	5.40	5.46	85.7	80.9	8.3	29.9	4.9	6.1	5.2	11.0	10.8
304	WWA2 S	MID-EBB	14-Sep-06			25.3	5.89	5.71		93.7	89.1	8,3	30.0	4.7	4.4	1	11,0	-
305	WWA2 M	MID-EBB	14-Sep-06	9:10	8.90	25.1	5.67	5.55	5.71	85,7	82.1	8.3	29.9	4.2	4,3		12.5	4
306	WWA2 B	MID-EBB	14-Sep-06	1		25.4	5.59	5.41	5,50	83.0	80.4	8.3	29.4	4.0	3,6	4.2	9.5	11.0
307	WWA3 S	MID-EBB	14-Sep-06			25.3	5.94	5.60		90.5	86.7	8.3	30.1	4.3	3.9	1	6.5	4
308	WWA3 M	MID-EBB	14-Sep-06	9:00	6.30	25.3	5.76	5,51	5.75	87.3	82.9	8.3	30.1	4.6	4.8	1	8.0	1
309	WWA3 B	MID-EBB	14-Sep-06	1	1 6	25.3	5.56	5,42	5.49	85.9	80.6	8,3	30,1	4.8	4.6	4.5	5.5	6.7

Gneny project 24583 env_data/marine impact Data Evaluation/monthly

Page 7 of 18

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)	pH, Unit	Salinity, ppt	Turbidity, NTU (1)	Turbidity, NTU (2)	NTU, Averaged Value	Suspended Solid, mg/L	SS, Averaged Value
310	WRA1	S	MID-EBB	14-Sep-06			25.4	5.97	5.81		89.2	86.1	8.3	29.0	3.7	3.7		4,5	
311	WRA1	M	MID-EBB	14-Sep-06	9:33	27.60	25.3	5.71	5.57	5.77	84.7	81.6	8.3	30.3	4.1	4.1		5.5	1000
312	WRA1	В	MID-EBB	14-Sep-06	180000	1000000	25.1	5.59	5.42	5.51	83.7	80.4	8.3	30.9	4.6	4.8	4.2	7.5	5.8
313	WRA2	S	MID-EBB	14-Sep-06			25.4	5.93	5.81		90.6	85.5	8.3	29.4	4.4	4.1		8.0	0
314	WRA2	M	MID-EBB	14-Sep-06	9:45	22.00	25.2	5.74	5.56	5.76	86.2	82.7	8.3	30.0	3.7	4.1	1 892	7.0	202
315	WRA2	В	MID-EBB	14-Sep-06			25.2	5.50	5.40	5,45	85.1	80.6	8.3	30.7	3.1	2.9	3.7	6.0	7.0
316	WRA3	S	MID-EBB	14-Sep-06			25.5	5.91	5.80		92.2	86.7	8.3	29.0	3.6	4.2		6.0	
317	WRA3	M	MID-EBB	14-Sep-06	9:57	23.20	25.1	5.73	5.61	5.76	87.0	83.4	8,3	29.7	3,4	3,6	270	8.0	102
318	WRA3	В	MID-EBB	14-Sep-06			25.1	5.58	5.43	5.51	81,0	79.8	8.3	31.0	3.9	3.9	3.8	12.0	8.7
319	WWFCZ1	S	MID-EBB	14-Sep-06		2000	25.4	5.99	5.93		91.3	85.6	8.1	29.2	4.8	4.7		6.5	
320	WWFCZ1	M	MID-EBB	14-Sep-06	10:38	33.00	25,3	5.80	5,66	5.85	87.7	83,3	8.1	29.7	6.1	6,1		8.0	
	WWFCZ1	В	MID-EBB	14-Sep-06	1		25.2	5.68	5.42	5.55	85,3	81.0	8.1	30.6	3.8	3,5	4.8	9.0	7.8
	WWFCZ2	S	MID-EBB	14-Sep-06	-		25.5	5.86	5,70		92.4	88.2	8.2	29.2	4.5	4.6		9.0	
323	WWFCZ2	M	MID-EBB	14-Sep-06	10:25	32.00	25.3	5.71	5.58	5.71	86.0	82.9	8.2	30,5	3.6	3,8	1999	9.0	10.5
324	WWFCZ2	В	MID-EBB	14-Sep-06	5.1.6-5	0	25.2	5.60	5.42	5.51	84.0	80.7	8.2	30,7	3,3	3,6	3.9	13.5	10,5
325	WFCZR1	S	MID-EBB	14-Sep-06			25.4	5.89	5.76		94.0	90.3	8.2	29.2	4,3	4.7		7.0	
326	WFCZR1	M	MID-EBB	14-Sep-06	10:51	37.50	25.3	5.72	5,60	5.74	86.4	82,1	8.2	29.5	3.4	3.6			6,3
327	WFCZR1	В	MID-EBB	14-Sep-06			25.3	5.63	5,55	5.59	83.9	80,5	8.2	30.9	3.3	3.5	3.8	6.0 12.0	6.3
28	WFCZR2	S	MID-EBB	14-Sep-06		L commen	25.4	5,93	5,83	WOODS.	90.6	87.2	8.3	29.1	4.8	4.7		8.0	1
329	WFCZR2	M	MID-EBB	14-Sep-06	10:11	38.00	25.2	5.79	5.57	5.78	86,3	83.8	8.3	30,5	4.5	5.0	4.8	14.0	11.3
330	WFCZR2	В	MID-EBB	14-Sep-06	1-		25.0	5.62	5.48	5.55	84,4	80.1	8.3	31.0	5.0	4.9	4.6	8.5	11.3
331	WWA1	S	MID-FLOOD	14-Sep-06	Same	Annes -	25.4	5.87	5.70	5,000	88.0	83,9	8.2	30.8	5.4	4.4		15.5	1
332	WWA1	M	MID-FLOOD	14-Sep-06	14:20	7.00	25.4	5.67	5,52	5,69	86.2	82.1	8.2	31.2	3.3	3.2		11.5	11.8
333	WWA1	В	MID-FLOOD	14-Sep-06			25.4	5.50	5.41	5.46	84.3	80.2	8.2	31.0	3.2	3.5	3.8	18.0	11.0
334	WWA2	S	MID-FLOOD	14-Sep-06			25.3	5.90	5.74	999	90,1	85.5	8.2	30.9	4.0	4.5		16.0	1
335	WWA2	M	MID-FLOOD	14-Sep-06	14:10	10.00	25.3	5.70	5.52	5.72	87.0	83.6	8.2	31.0	4.5	4.2	4.0	17.5	17.2
336	WWA2	8	MID-FLOOD	14-Sep-06		1	25.3	5,57	5.42	5,50	85.5	80.9	8.2	30.9	3,5	3.2	4.0	10.0	11.2
337	WWA3	S	MID-FLOOD	14-Sep-06		WOLLDON	25.4	5.86	5.71		95.7	90,0	8.1	30.9	3.3	3.9		8.5	ł
338	WWA3	M	MID-FLOOD	14-Sep-06	14:00	7.20	25.4	5.70	5,58	5.71	86.1	84.2	8.1	30.9	4.7		4.0	11.5	10.0
339	WWA3	6	MID-FLOOD	14-Sep-06			25.4	5.52	5.46	5,49	85.0	81.0	8.1	30.1	3.6	4.1	4.0	6.5	10.0
340	WRA1	S	MID-FLOOD	14-Sep-06	5000000	constant of	25.2	5.92	5,71	41000	87.8	83.5	8.3	30.9	4.5	3.5		8.0	ł
341	WRAT	M	MID-FLOOD	14-Sep-06	14:33	28.70	25.2	5.69	5.50	5.71	86.6	82.3	8.3	31.1	3.8 5.4	5.0	4.4	11.0	8.5
342	WRA1	В	MID-FLOOD	14-Sep-06			25.3	5.57	5.44	5.51	85.4	80.8	8.3	31.0	410.0		9,9	5.5	6.0
343	WRA2	S	MID-FLOOD	14-Sep-06	00.000	o areas	25.3	5.88	5.66	100000	89,6	83.9	8.2	30.7	3.7	3.5		5.0	4
344	WRA2	M	MID-FLOOD	14-Sep-06	14:46	23.30	25.3	5.60	5.52	5.67	86.8	82.4	8.2	30.9	3.7			6.5	5.7
345	WRA2	В	MID-FLOOD	14-Sep-05			25.4	5.50	5.40	5,45	85.7	80.6	8.2	30.8	3.6	3,8	3.7	5.0	5.7.
346	WRA3	S	MID-FLOOD	14-Sep-06			25,2	5.87	5.68		86,9	84.5	5.2	30.8	3.5	3,5	1	7.5	4
347	WRA3	M	MID-FLOOD		14:59	24.10	25.3	5.70	5.59	5.71	87.1	82.8	8.2	30.9	3.7	3.6	3.6	9.5	7.3
348	WRA3	В	MID-FLOOD				25.4	5.63	5.42	5.53	85.0	80.7	8.2	31.0	3.8		3.6	7.5	1.3
349	WWFCZ1	S	MID-FLOOD	14-Sep-06	1,112		25.4	5.89	5.74		92.7	85,9	8.2	30.6	3.4	3.4	1	9.0	1
350	WWFCZ1	M	MID-FLOOD	14-Sep-06	15:38	34.20	25.3	5.68	5,50	5.70	86.7	82.8	8.2	30.8	5.3	5.3		13.5	10.0
351	WWFCZ1	В	MID-FLOOD	14-Sep-06			25.2	5.57	5.43	5.50	83.9	80,4	8.2	30.9	5,8	5.8	4.8		10.0
352	WWFCZ2	8	MID-FLOOD	14-Sep-06	law.es		25.2	5.85	5.69	817688	95,3	87.9	8.2	30.9	5.3	4.7	-	15.5	4
353	WWFCZ2	M	MID-FLOOD	14-Sep-06	15:25	33.40	25.2	5,66	5.51	5.68	86.2	81.0	8.2	31.0	6.7	5.7	J	19.0	Į.

Lab						Waler	Temp	DO, mg/L	DO, mg/L		DO. % saturation	DO, %	Mal.		Turbldity,	Turbidity,	NTU, Averaged	Suspended	SS, Averaged
ID	Location	Position	Tide	Sampling Date	Time	depth, m	,c	(1)	(2)	DO, Average value	(1)	(2)	pH, Unit	Salinky, ppt	NTU (1)	NTU (2)	Value	Solid, mg/L	Value
354	WWFCZ2	В	MID-FLOOD	14-Sep-06			25,2	5,60	5.43	5.52	83,8	80_B	8.2	31.1	6.1	5.6	5.7	13.0	15.8
355	WFCZR1	S	MID-FLOOD	14-Sep-06			25,9	5,94	5.74		96_7	90,6	8,1	30.4	5.7	4.9		11.0	
356	WFCZR1	M	MID-FLOOD	14-Sep-06	15:52	39_00	25,5	5,80	5,61	5,77	86.6	83.1	8.1	30.8	5.9	6.5		13,5	f .
357	WFCZR1	В	MID-FLOOD	14-Sep-06			25.3	5,60	5.45	5,53	84.6	80.7	6.1	30.9	6.3	6,8	6_0	10,5	11.7
358	WFCZR2	S	MID-FLOOD	14-Sep-06			25.3	5,95	5.79		88.3	84.0	8.2	30.7	4.6	4.2		7.5	
359	WFCZR2	M	MID-FLOOD	14-Sep-06	15:12	40.00	25,2	5,67	5.50	5,73	86,1	82.6	8.2	32.8	5.0	5.8		8.5	ĺ
360	WFCZR2	В	MID-FLOOD	14-Sep-06			25.2	5,55	5.41	5,48	85.0	81,3	8.2	30.9	5.7	4.7	5.0	9,0	8.3
361	VVVA1	S	MID-EBB	16-Sep-06			25,9	5,95	5,87		95.1	88.0	8.2	29.8	2.0	2.2		5.5	
362	VVVA1	M	MID-EBB	16-Sep-06	9:20	6.70	25.9	5,80	5.62	5,81	89.3	85.1	8.2	30.1	3.1	3.2		5.0	li .
363	WWA1	В	MID-EBB	16-Sep-06			25.9	5,64	5,56	5,60	86.0	82.0	8.2	30,1	3.0	2.7	2.7	9,0	6.5
364	WWA2	S	MID-EBB	16-Sep-06			26.1	5,97	5.89		92.4	89.7	8.3	29,6	2.4	2,3		3.5	
365	WWA2	M	MID-EBB	16-Sep-06	9:10	9.50	25,9	5,80	5.65	5,83	86.1	82.8	8.3	30.7	3.3	3.1		6.0	
366	WWA2	В	MID-EBB	16-Sep-06			25.9	5.70	5,51	5.61	85.3	81.1	8.3	30.1	4.2	4.0	3.2	5,5	5.0
367	WWA3	S	MID-EBB	16-Sep-06			26.0	5,93	5.76		91.8	86.9	8.3	26.7	3.0	3.1		13.5	
368	WWA3	M	MID-EBB	16-Sep-06	9:00	6.60	26.0	5,70	5,52	5,73	87.3	84.1	8.3	30,0	4.0	3.8		12.5	1
369	EAWW	В	MID-EBB	16-Sep-06			25.9	5.57	5.44	5.51	85.0	82.4	8.3	30.1	2.9	2.8	3.3	13.0	13.0
370	WRA1	S	MID-EBB	16-Sep-06			25.1	5,99	5.90		89.6	87.1	8.2	27.8	3.1	3.1		4.0	
371	WRA1	M	MID-EBB	16-Sep-06	9 34	28.90	25.7	5,85	5.71	5.86	87.5	84.1	8.2	29.6	3.7	3.5		9,0	1
372	WRA1	В	MID-EBB	16-Sep-06			25,6	5,62	5.41	5,52	84.6	80.9	8,2	30.1	3,0	3.2	3,3	10.5	7.8
373	WRA2	S	MID-EBB	16-Sep-06			26.2	5.89	5.71		89.3	84.7	8.2	30.1	3.1	3.2		8.0	
374	WRA2	M	MID-EBB	16-Sep-06	9:46	22,50	25.6	5.64	5.50	5,69	86.0	83.7	8.2	30.1	4.5	4.3		9.0	
375	WRA2	В	MID-EBB	16-Sep-06		1	25,4	5,56	5,42	5,49	85.9	82.0	8.2	30.1	3.8	4.0	3.8	8.5	8.5
376	WRA3	S	MID-EBB	16-Sep-06			26.0	5.87	5.76		88.9	85.7	8.3	29.6	2.8	3.3		8.5	
377	WRA3	M	MID-EBB	16-Sep-06	9:59	22,00	25.8	5.60	5,49	5.68	68.0	84.1	8.3	30.9	4.2	4.5		10.0	
378	WRA3	В	MID-EBB	16-Sep-06			25.6	5.54	5.43	5,49	86.0	84.1	8.2	31.1	4.0	3.9	3.8	9.0	9.2
379	WWFCZ1	\$	MID-EBB	16-Sep-06			26.3	5.93	5.76		94_0	67.6	8.3	28.6	2.8	2.B		4.5	
380	WWFCZ1	M	MID-EBB	16-Sep-06	10:41	32,00	25.6	5.72	5,59	5.75	89.3	64.3	8.3	30.9	3.2	3.1		8.5	
381	WWFCZ1	В	MID-EBB	16-Sep-06			25.4	5,64	5.46	5,55	84.1	80.7	8.3	30.8	3,4	2.8	3.0	7,0	6.7
382	WWFCZ2	S	MID-EBB	16-Sep-06			26.1	5,91	5.76		91.7	87.2	8.3	28.1	1.8	1.8		8.5	
383	WWFCZ2	M	MID-EBB	16-Sep-06	10:27	31_50	25.5	5.70	5.57	5.74	68.0	83.6	8.3	30.0	1.9	1.9		3.3	1
384	WWFCZ2	В	MID-EBB	16-Sep-06			25.3	5,50	5,43	5.47	86.0	83.1	8.3	32.0	4,6	4.3	2.7	7.0	6.3
385	WFCZR1	S	MID-EBB	16-Sep-06			26.3	5.87	5.71		92.5	89,6	8.3	30.9	2.1	2.3		9,5	
386	WFCZR1	M	MID-EBB	16-Sep-06	18;55	39.00	25,6	5,67	5,50	5,69	84_9	83_1	8.3	30.9	3.4	3.3		9.5	f 1
387	WFCZR1	В	MID-EBB	16-Sep-05			25.4	5.53	5.41	5.47	85.0	80.8	8.3	30.9	3.0	3.4	2.9	6,5	8.5
388	WFCZR2	S	MID-EBB	16-Sep-06			26.2	5.89	5.70		90.0	87.2	8.3	27.0	2.3	22		3,5	
389	WFCZR2	M	MID-EBB	16-Sep-06	10:13	38.60	25.7	5,67	5.50	5.69	85.7	83.0	8,3	29.6	2.1	2.0		3.5	A 11
390	WFCZR2	В	MID-EBB	16-Sep-06			25.3	5.57	5,43	5,50	87.0	82.1	8.3	29.3	1.9	2.0	2.1	5.0	4.0
391	WWA1	S	MID-FLOOD	16-Sep-06			26.8	5,88	5,67		91,0	87.6	8.3	27.0	3.2	3.0		8.0	
392	WWA1	M	MID-FLOOD	16-Sep-06	14:50	7.20	26.7	5,72	5.62	5,72	86.6	82.9	8.3	29_1	4.4	4.2		6.5	
393	WWA1	В	MID-FLOOD	16-Sep-06			26.7	5.60	5,46	5,53	83.3	80_1	8.3	29,1	3.8	3,7	3.7	7.0	7.2
394	WWA2	S	MID-FLOOD	16-Sep-06			26.7	5.84	5.71		92.0	86.0	8,3	30.0	3.0	3.2		7.5	
395	WWA2	M	MID-FLOOD	16-Sep-06	14:40	11,10	26.7	5.69	5,54	5.70	86.1	83,0	8,3	31.0	3.5	3,6		10,0	ř 1/
396	WWA2	В	MID-FLOOD	16-Sep-06			26.7	5.50	5.40	5.45	84.9	0.08	8.3	29.8	3.1	3.2	3,3	12,0	9,8
397	WWA3	S	MID-FLOOD	16-Sep-06			26.6	5.93	5.79		89.1	87.0	8.3	28.6	3.3	3.2		6.5	

Gi'env project 24583 env_date marite impact/Data Evaluation/monthly

Page 9 of 18

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
398	WWA3	M	MID-FLOOD	16-Sep-06	14:30	17.40	26.6	5_B2	5.65	5,80	85.7	83.0	8.3	30.9	3.7	3.5		6.5	
399	WWA3	В	MID-FLOOD	16-Sep-06			26.6	5.61	5.47	5,54	85.0	81.9	8.3	31.5	3.1	3.0	3.3	9.0	7,3
400	WRA1	S	MID-FLOOD	16-Sep-06	Į.		27.1	5.94	5.80		91.9	86,8	8.3	28,0	3.0	3.2		8.5	
401	WRA1	M	MID-FLOOD	16-Sep-06	15:02	30.70	26.8	5.82	5.60	5.79	87.5	84.2	8.3	30.1	2.7	2.6		7.0	
402	WRA1	В	MID-FLOOD	16-Sep-06	8		26.5	5,58	5,43	5,51	86.2	81.0	8.2	30,5	2,5	2.2	2.7	4.0	6,5
403	WRA2	S	MID-FLOOD	16-Sep-06	-		27.2	5.87	5.76		86.9	83.6	8.2	28.9	2.8	2.8		3.5	
404	WRA2	M	MID-FLOOD	16-Sep-06	15:17	24_00	26.8	5.70	5.57	5.73	87.6	B3.6	8.2	30.B	3.2	3,0		3.5	A.
405	WRA2	В	MID-FLOOD	16-Sep-06	ï.		26.4	5.61	5.47	5.54	85.1	80.7	8.2	31,5	3.1	3.1	3.0	6.0	4.3
406	WRA3	S	MID-FLOOD	16-Sep-06			27.2	5.83	5.71		88.9	84.1	8.3	27.6	3,2	3.1		5.5	
407	WRA3	M	MID-FLOOD	16-Sep-06	15:29	24.20	26.9	5.64	5.53	5.6B	87.1	84.9	8.3	29,9	3.4	3,5		5,5	
408	WRA3	В	MID-FLOOD	16-Sep-06			26.6	5.58	5.41	5,50	86,1	80.6	8.3	30.0	3.3	3,3	3.3	6.0	5.7
409	WWFCZ1	S	MID-FLOOD	16-Sep-06			27.2	5.90	5.76		92.9	88.4	8.3	26.6	2.7	2.7		2.3	
410	WWFCZ1	M	MID-FLOOD	16-Sep-06	16:11	33,10	26.7	5,86	5.71	5.81	86.7	84.1	8.3	28.9	3.3	3.0		12.0	1
411	WWFCZ1	В	MID-FLOOD	16-Sep-06			26.7	5,80	5.61	5.71	85.0	81.8	8.3	29.2	3.6	3.2	3.1	4.0	6.1
412	WWFCZ2	S	MID-FLOOD	16-Sep-06			27.1	5.87	5.63		90.7	86.2	8.3	24.9	2.5	2.3		5.5	
413	WWFCZZ	M	MID-FLOOD	16-Sep-06	15:57	32.60	26.8	5.70	5,59	5.70	87.4	84.1	8.3	28.6	2.7	2.5		7.5	1
414	WWFCZ2	В	MID-FLOOD	16-Sep-06			26.7	5.52	5 40	5.46	85.0	82.3	8.3	28.0	3.0	3.1	2.7	5.5	6.2
415	WFCZR1	S	MID-FLOOD	16-Sep-06			27.0	5.91	5.80		89.3	86.4	8.3	27.1	2.6	2.4		6.8	
116	WFCZR1	M	MID-FLOOD	16-Sep-06	16:26	40.80	26.7	5.73	5.66	5.78	85.2	81.9	8.3	29,6	3.4	3.2		4,5	1
17	WFCZR1	В	MID-FLOOD	16-Sep-06			26.6	5.62	5.43	5.53	84.8	81.0	8.3	28,9	3.2	3.3	3.0	4,0	5.1
118	WFCZR2	S	MID-FLOOD	16-Sep-06			27_0	5.90	5.71		88.8	84.0	8.3	26.8	2.7	2.5		3.5	
119	WFCZR2	M	MID-FLOOD	16-Sep-06	15:43	41.10	26.5	5.82	5.60	5.76	85.1	82.7	8.3	29.1	2.0	2.1		7.5	
120	WFCZR2	В	MID-FLOOD	16-Sep-06	° 11		26.5	5.59	5,45	5.52	84.4	80,6	8.3	30.7	2.4	2.2	2.3	7.0	6.0
121	WWA1	SI	MID-EBB	18-Sep-06	-	-	26.0	5.91	5.77	0.02	93.2	87.1	8.3	31.8	1.7	1.7	2.5	9.0	0.5
122	WWA1	M	MID-EBB	18-Sep-06	10:28	6.90	26.1	5.82	5,66	5.79	86.0	84.0	8.3	31.7	2.2	2.3		8.0	6
123	WWA1	В	MID-EBB	18-Sep-06		3,11	25.8	5.54	5.42	5.48	83.3	80.6	8.3	31.8	1.4	1.4	1.8	9.0	8.7
124	WWA2	S	MID-EBB	18-Sep-06	_		26.0	5.96	5.87	0,10	90.9	86.4	8.3	31.9	3,3	3.2	1,0	7.5	0,7
125	WWA2	M	MID-EBB	16-Sep-06	10:13	8.30	26.3	5.76	5.62	5.80	86.2	84.1	8.3	30,8	3.3	3.4		7.5	fil.
126	WWA2	В	MID-EBB	18-Sep-06	70110	0.00	26.2	5.64	5.47	5.56	85.0	80,6	8.3	31.0	4.8	4.5	3.7	6.0	7.0
127	WWA3	S	MID-EBB	18-Sep-06			26.5	5.84	5.71	5,50	94.0	86.1	8.3	31.7	2.9	2.9	3.1	4.5	7.0
128	WWA3	M	MID-EBB	18-Sep-06	10:00	7.20	26.3	5.68	5.49	5.68	89.0	85.2	8.3	31.6	2.3	2.2		7.0	
129	WWA3	В	MID-EBB	18-Sep-06	10,00	1.20	26.4	5.52	5,43	5.48	86.0	80.9	_	31.6	2.5		2.5	7.0	
130	WRA1	S	MID-EBB	18-Sep-06			26.0	5.94	5.86	3,40	93.8	88.6	8.3		1.6	2.4	2,5	10.0	6.2
131	WRAT	M	MID-EBB	18-Sep-06	10:44	28.50	26.1	5.71	5.60	670			8.3	31.4		1.7			
132	WRA1	B	MID-EBB	18-Sep-06	10.44	20.50	26.2	5.55		5.78 5.49	90.2	87,0	8.3	31.7	4.5	4.6		11.0	
133	WRA2	S	MID-EBB	18-Sep-06					5.42	5.49	84.1	81.6	8.3	31.6	3,3	3.2	3.2	7.5	9.5
34	WRA2				44.00	00.40	26.1	5.86	5,68		91.7	86,5	8.3	31.6	1.7	1.6		4.5	i
		M	MID-EBB	18-Sep-06	11:00	23.40	26.3	5 70	5,56	5,70	87.2	82.6	8,3	32.0	2.2	2.7		6.5	i .
35	WRA2	В	MID-EBB	18-Sep-06			26.0	5,60	5,47	5,54	85.2	80,1	8,3	31.5	1.9	1.9	2.0	5.5	5.5
36	WRA3	S	MID-EBB	18-Sep-06	200.		26.1	5.94	5.85		86.4	B4.1	8.3	31.3	1.1	1.2		4.0	
37	WRA3	М	MID-EBB	18-Sep-06	11:15	21.6D	26.0	5.72	5,60	5.78	84.6	83,2	8,3	31.7	1.9	1.9		5.5	
38	WRA3	В	MID-EBB	18-Sep-06			26.0	5.54	5.41	5.48	82.9	80.4	8,3	30.9	1,2	1.5	1,4	6.0	5.2
	WWFCZ1	S	MID-EBB	18-Sep-06		12.72	26.4	5.88	5.69		92.0	87.1	8,2	30.2	1.5	1.6		4.0	-
	WWFCZ1	M	MID-EBB	18-Sep-06	11:57	31,80	26_3	5.71	5.54	5,71	86.0	84.1	8.2	31.8	3.0	3.3		5,0	
41	WWFCZ1	В	MID-EBB	18-Sep-06			26.2	5,52	5.41	5.47	83.7	80.0	8.2	31.8	3.6	3.7	2.8	8.0	5.7

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
442	WWFC22	S	MID-EBB	18-Sep-06			26.4	5.89	5.70		91.6	86.2	8.2	30.2	1.7	1,7	1	4.0	()
	WWFCZ2	M	MID-EBB	18-Sep-06	11:44	29.70	26.1	5.60	5.49	5.67	85,4	82.7	8.2	31.6	2.6	2.6		7,5	
	WWFCZ2	8	MID-EBB	18-Sep-06		- Commen	26.0	5.50	5.42	5.46	83.0	79.8	8.2	31.9	2.5	2,5	2.3	8.5	6.7
445	WFCZR1	S	MID-EBB	18-Sep-06			26.0	5.90	5,74		92.2	88.1	8.2	31.9	2.1	2.4		5.5	
446	WFCZR1	M	MID-EBB	18-Sep-06	12:13	38.50	26.1	5.66	5.53	5.71	86.0	83.1	8.2	30.7	2.1	2.5		5.0	102000
447	WFCZR1	В	MID-EBB	18-Sep-06			26.0	5.60	5.42	5.51	81.8	80.1	8.2	31.8	2.4	2.4	2.3	6.0	5.5
448	WFCZR2	S	MID-EBB	18-Sep-06			26.3	5.95	5.87		96.4	90.6	8.2	30.3	1.4	1.7		4.5	
449	WFCZR2	M	MID-EBB	18-Sep-06	11:29	37.50	26.4	5.42	5.39	5,66	86,2	80.9	8.2	30.8	2.9	2.6	1	3.5	ĺ
450	WFCZR2	8	MID-EBB	18-Sep-06			26.3	5.25	5.16	5,21	83.7	80.2	8.2	31.8	1.8	1.9	2.0	6.5	4.8
451	WWA1	S	MID-FLOOD	18-Sep-06	-		26.9	5.86	5.70		93.3	87.6	8.1	29.9	1.5	1.6		6.5	
452	WWA1	Ň	MID-FLOOD	18-Sep-06	16:44	7.40	26.7	5.66	5.51	5.68	85.0	83.0	8.1	30.0	2.1	2.1]	9.0	
453	WWA1	В	MID-FLOOD	18-Sep-06	e estimati	17035 N	26.6	5.49	5.41	5.45	82.6	80.0	8.1	30.1	1.9	1.8	1,8	6.5	7.3
454	WWA2	S	MID-FLOOD	18-Sep-06		_	26.9	5.89	5.76		95.9	90.9	8.0	29.9	2.5	2.7		8.0	
455	WWA2	M	MID-FLOOD	18-Sep-06	16:29	8.60	26.8	5.62	5.50	5.69	87.4	83.8	8.0	30,1	2.9	2.4	1	8.0	
456	WWA2	8	MID-FLOOD	18-Sep-06	1,0,00	100000	26.7	5.56	5.40	5.48	84.2	80.1	8.0	30,1	3.0	3.2	2.8	8,5	8.2
457	WWA3	S	MID-FLOOD	18-Sep-06	_	_	27.0	5.94	5.82	-	90.6	88.2	8.1	30.0	3.2	3.5		6.0	
458	WWA3	M	MID-FLOOD	18-Sep-06	16:13	7.80	27.0	5.70	5.59	5.76	86.6	82.9	8.1	30.0	2.6	2.8	1	7.5	1
-	WWA3	B	MID-FLOOD	18-Sep-06		1,000	26.8	5.67	5.44	5.56	84.4	80.7	8.1	30.1	2.5	2.6	2.9	7.0	6.8
459	WRA1	S	MID-FLOOD	18-Sep-06		_	27.2	5.92	5.71		91.1	86.6	8.0	29.8	1.5	1.5	1	10.0	
	WRA1	M	MID-FLOOD	18-Sep-06	16:58	29.50	26.4	5.61	5,54	5.70	87.7	83.8	8.0	31.8	3.3	3.5	1	6.0	
461	WRA1	- M	MID-FLOOD	18-Sep-06	10.00		26.1	5.57	5,43	5.50	84.0	80.6	8.0	31.7	3.8	3.7	2.9	11.0	9.0
462	WRA2	S	MID-FLOOD	18-Sep-06	_		26.7	5.96	5.89		90.6	87.1	8.1	30.2	2.1	2.1		10.0	
463		M	MID-FLOOD	18-Sep-06	17:15	24,30	26.2	5.80	5.72	5.84	86.0	83.6	8.1	31.3	2.5	2.6	1	8.5	1
464	WRA2	B	MID-FLOOD	18-Sep-06	12,10	24,00	26.1	5.60	5.44	5.52	85.6	81.4	8.1	31.7	2.2	2.3	2.3	7.5	8.7
465	WRA2	S	MID-FLOOD		_	-	26.7	5.94	5.82		92.0	87.9	8.0	30.1	1.2	1.5	-	5.0	
466	WRA3	M	MID-FLOOD		17:27	22.70	26.4	5.69	5.51	5.74	85.6	82.3	8.0	30.9	1.3	1.4	1	5.5	1
467	V.P.C.H.3343.1	B	MID-FLOOD	18-Sep-06	11.	******	26.2	5.54	5.41	5.48	83.9	80.6	8.0	31.7	1,4	1.4	1.4	7.0	5.8
468	WRA3		MID-FLOOD		-		27.3	5.87	5.71		95.2	92.9	8.4	29.4	1,5	1.6		12.5	
469	WWFCZ1	S		18-Sep-06	18:20	32.50	26.3	5.67	5.49	5.69	87.2	83.6	8.4	31.0	1.8	1.7	1	11.0	1
470	WWFCZ1	M	MID-FLOOD		10,20	02.00	26.1	5.54	5.41	5.48	85.0	81.0	8.4	31.3	2.2	2.6	1.9	11.0	11.5
	WWFCZ1	В	MID-FLOOD	18-Sep-06			27.1	5.99	5,93	9.10	93.0	89.4	8,3	30.1	1.6	1.5	_	9.0	
	WWFC22	S	MID-FLOOD		17:53	30.80	26.2	5.80	5.62	5.84	86.2	83.8	8.3	31.0	1.8	2.0	1	6.5	1
	WWFCZ2	M		18-Sep-06 18-Sep-06	11,00	30.00	26.1	5.55	5,41	5.48	83.6	80.9	8.3	31.6	2.1	2.1	1.9	5.0	6.8
474	WWFCZ2	В	MID-FLOOD			-	26.3	5.90	5.74	5,40	89.1	84.6	8.3	30.4	2.2	2.8		10.5	
475	WFCZR1	S	MID-FLOOD		18:06	39.60	26.2	5.69	5.54	5.72	86.2	82.7	8.3	31.0	2.6	2.4	1	3.8	1
476	WFC2R1	M	MID-FLOOD		10.00	35.00	26.1	5.50	5.40	5.45	84.6	80.3	8.3	31.4	2.8	2.5	2.6	12.0	8.8
477	WFCZR1	В	MID-FLOOD			_	26.9	5.88	5.69	5,43	95.3	91.9	8.3	30.0	1.8	1.8	-	8.0	
478	WFCZR2	S	MID-FLOOD		47.70	37.70	26.2	5.70	5.62	5.72	87.7	83.9	8.3	30.9	2.1	2.5	1	9.5	1 -
479	WFCZR2	M	MID-FLOOD		17:39	31.10		5.57	5.62	5.49	84.1	81.6	8.3	31.4	2.3	2.6	2.2	5.5	7.7
480	WFCZR2	В	MID-FLOOD		_	-	26.1			5,49	87.3	84.0	8.4	30.1	5.6	5.6	1	8.0	1
481	WWA1	S	MID-EBB	20-Sep-06	10.50	7.00	26.5	5.94	5.76	5.75	86.6	85.7	8.4	30.0	5.0	5.2	1	10.0	1
482	WWA1	M	MID-EBB	20-Sep-06	10:50	7.30	26.6	5.71		5.52	84.0	81.6	8.4	30.0	5.6	5.3	5.4	9.5	9.2
483	WWA1	В	MID-EBB	20-Sep-06			26,4	5.61	5.43	5.52	89.5	84.9	8.4	30.2	4.5	4.2	3.4	6.5	
484	WWA2	S	MID-EBB	20-Sep-06	*****	0.70	26.8	5.87	5.69	5.67	85.7	83.6	8.4	30.1	5.0	4.7	4	8.5	1
485	WWA2	M	MID-EBB	20-Sep-06	10:40	8.70	26.7	5,62	5,49	5.07	65,7	03.0	0.4	30.2	5,0	3.7	3	0.0	A I

G 'env' project 24583 env_data marine impact Data Evaluation monthly

Page 11 of 18

on Position	n 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
2 B	MID-EBB	20-Sep-06			26.5	5.58	5.41	5.50	84.6	81,3	8.4	30.0	4,8	4.6	4.6	10,5	8,5
3 8	MID-EBB	20-Sep-06			26.5	5.93	5.79		91.7	87.2	8.4	15.9	4.0	4.1		5.5	
3 M	MID-EBB	20-Sep-06	10:20	7,90	26.6	5.70	5,59	5.75	87.6	84.2	8.4	26.5	5.9	5.0		11.0	£.
3 B	MID-EBB	20-Sep-06	1		26.6	5,50	5.40	5.45	85.1	82.0	8.4	28.9	4.4	4.4	4,6	10.5	9,0
1 5	MID-EBB	20-Sep-06			26.2	5,87	5.74		89.7	85.1	8.3	30.2	5.6	5.4		12,5	
1 M	MID-EBB	20-Sep-06	11:03	30.50	26.6	5.64	5.50	5,69	86.3	83.4	8.3	30.0	6.0	5.8		11.5	6
t B	MID-EBB	20-Sep-06			26.4	5,53	5.41	5,47	85.0	81.7	8.3	30.2	6.5	6,3	5,9	14.0	12.7
2 S	MID-EBB	20-Sep-06			26.3	5,96	5,92		94.7	90.9	8,2	30.3	4,8	4,8		11.0	li .
2 M	MID-EBB	20-Sep-06	11:16	25,40	26,8	5.84	5.71	5.86	84.1	81.9	8.2	30.0	6_3	6.3		12.5	
2 B	MID-EBB	20-Sep-06			26.5	5.57	5.43	5,50	83.6	80.4	8.2	30,1	4.6	4.3	5,2	14.0	12.5
3 8	MID-EBB	20-Sep-06			26.7	5.99	5,93	The state of the s	95.7	89,9	8.3	30.1	4.4	4.2		12.0	
3 M	MID-EBB	20-Sep-06	11:28	23,80	26.5	5.71	5.56	5.80	86.8	83.6	8.2	30.2	4.9	4.8		12.0	
3 B	MID-EBB	20-Sep-06			26,5	5.53	5.41	5.47	84.2	80.4	8.3	30.2	5_7	5.2	4.9	12.0	12.0
21 8	MID-EBB	20-Sep-06			26.8	5.94	5,84		94.9	89,6	8.3	29.9	3.1	3.0		10.5	
Z1 M	MID-EBB	20-Sep-06	12:09	33.60	26.6	5,72	5.60	5.78	86.3	83,6	6.3	29,9	4.2	4.3		12.0	l.
Z1 B	MID-EBB	20-Sep-05	(L		26.4	5.56	5.42	5.49	84.1	81.0	8,3	30.0	7.9	6.8	4.9	18.5	13.7
22 S	MID-EBB	20-Sep-06			26.8	5.80	5.60		92.2	87.8	8.3	29.9	3:1	2,9		7.5	
22 M	MID-EBB	20-Sep-06	11:54	31.50	26.5	5,63	5.49	5.63	86.1	83.8	8.3	29.9	4.8	4.7	-	0.8	
22 B	MID-EBB	20-Sep-06	1	1	26.4	5.50	5.41	5.46	85.0	82_1	8.3	29.7	3.1	3.2	3.6	10,5	8.7
R1 S	MID-EBB	20-Sep-06			26.7	5.94	5.85		87.6	84.8	8,3	30.0	4.2	4.1	4	10.0	
R1 M	MID-EBB	20-Sep-06	12:26	39.80	26.5	5.73	5.58	5.78	85.2	83.0	8.3	30.0	5.6	5.5		13,0	
R1 B	MID-EBB	20-Sep-06	1	- 2	26.2	5.54	5.42	5.48	84.7	80.6	8.3	29,9	6.6	6.4	5.4	13,5	12,2
R2 S	MID-EBB	20-Sep-06			27.1	5.97	5.89		98.7	91.0	8.3	29.9	3.6	3.2		11,5	
R2 M	MID-EBB	20-Sep-06	11:45	38,30	26.6	5.81	5.66	5.83	88.3	84.9	8.3	29.3	5.8	5.6		16.0	
R2 B	MID-EBB	20-Sep-06	1	61	26.4	5.62	5.47	5.55	85.3	82.6	8.3	29.9	6.0	5.7	5.0	0.87	15.2
1 8	MID-FLOOD	20-Sep-06			26.4	5.87	5,65		91,3	86.7	8.3	30.8	5.3	5.2		6.0	
1 K	MID-FLOOD		16:20	7.60	26.3	5.58	5,49	5.65	85.9	83.0	B.3	30.B	4.9	4.7	3	7.0	1
1 8	MID-FLOOD	20-Sep-06	1		26.2	5.52	5,41	5.47	85.0	81.8	8.3	30.8	4.6	4.5	4.9	6.0	6.3
2 8	MID-FLOOD	20-Sep-06	_		26.4	5.93	5.70		90.6	87.5	8.3	30_9	4.1	4.3		7.0	
2 M	MID-FLOOD	20-Sep-06	16:10	8,90	26.5	5.62	5,49	5,69	86.7	82.7	8.3	30.9	4.4	4.5		14.0	
2 8	MID-FLOOD	20-Sep-06	1		26.3	5.56	5,47	5.52	84.3	80.8	8.3	30.5	4.9	4.9	4.5	10.0	10,3
3 S	MID-FLOOD				26.6	5.87	5.71		89.0	85.4	8.3	25.4	3.8	3,6		6.0	
3 M	MID-FLOOD		16:00	8.30	26.4	5.51	5.47	5.64	85.1	82.4	8.3	30.9	3.8	4.0	1	10.0	
3 B	MID-FLOOD		1	187 (26,5	5.50	5.41	5.46	83.0	80.9	B.3	31_D	4.1	4.2	3.9	11.0	9.0
1 8	MID-FLOOD		-	-	26.1	5.96	5.78		92.7	88.2	8.3	30.8	5.1	5,3	777	9.5	
1 M	MID-FLOOD		16:35	31.50	26.2	5.70	5.57	5.75	86.0	83.6	8.3	30.9	5.7	5.8		11.0	
1 B	MID-FLOOD		1		26.1	5.49	5.40	5.45	84.0	80.9	8.3	30.8	6.2	6.1	5.7	8.5	9.7
2 S	MID-FLOOD		-		25.9	5.90	5.75		90.3	87.4	8.3	30.9	4.5	4.4		7.5	
2 M.	MID-FLOOD		16:47	24.70	26.0	5.70	5.59	5.74	85.9	82.1	8.3	30.8	5.3	5.2	1	11.5	1
2 B	MID-FLOOD		10,71		26.1	5.55	5.42	5,49	84.8	80.5	8.3	30.9	4.5	4.5	4.7	9.5	9.5
			-		26.1	5.86	5.70	1	86.2	84.1	8.2	30.9	4.4	4.3		5.5	
			16:30	24.50				5 6R									1
			10.39	24.50											4.6		9.0
			-					3,40									
3	S M B	M MID-FLOOD B MID-FLOOD	M MID-FLOOD 20-Sep-06 B MID-FLOOD 20-Sep-06	M MID-FLOOD 20-Sep-06 16:39 B MID-FLOOD 20-Sep-06	M MID-FLOOD 20-Sep-06 16:39 24.50 B MID-FLOOD 20-Sep-06	M MID-FLOOD 20-Sep-06 16:39 24.50 26.0 B MID-FLOOD 20-Sep-06 26.1	M MID-FLOOD 20-Sep-06 16:39 24.50 26.0 5.65 B MID-FLOOD 20-Sep-06 26.1 5.52	M MID-FLOOD 20-Sep-06 16:39 24:50 26:0 5.65 5.50 B MID-FLOOD 20-Sep-06 26:1 5.52 5.44	M MID-FLOOD 20-Sep-06 16:39 24:50 26.0 5.65 5.50 5.68 B MID-FLOOD 20-Sep-06 26:1 5.52 5.44 5.48	M MID-FLOOD 20-Sep-06 16:39 24.50 26.0 5.65 5.50 5.68 86.2 B MID-FLOOD 20-Sep-06 26.1 5.52 5.44 5.46 84.0	M MID-FLOOD 20-Sep-06 16:39 24.50 26.0 5.65 5.50 5.68 86.2 84.6 B MID-FLOOD 20-Sep-06 26.1 5.52 5.44 5.46 84.0 82.1	M MID-FLOOD 20-Sep-06 16:39 24.50 26.0 5.65 5.50 5.68 86.2 84.6 8.2 B MID-FLOOD 20-Sep-06 26.1 5.52 5.44 5.46 84.0 82.1 6.2	M MID-FLOOD 20-Sep-06 16:39 24.50 26.0 5.65 5.50 5.68 86.2 84.6 8.2 30.7 B MID-FLOOD 20-Sep-06 26.1 5.52 5.44 5.46 84.0 82.1 6.2 30.8	M MID-FLOOD 20-Sep-06 16:39 24.50 26.0 5.65 5.50 5.68 86.2 84.6 8.2 30.7 4.1 B MID-FLOOD 20-Sep-06 26.1 5.52 5.44 5.46 84.0 62.1 6.2 30.8 5.2	M MID-FLOOD 20-Sep-06 16:39 24:50 26:0 5:65 5:50 5:68 86:2 84:6 8:2 30.7 4.1 4.1 B MID-FLOOD 20-Sep-06 26:1 5:52 5:44 5:46 84:0 82:1 5:2 30.8 5:2 5:4	M MID-FLOOD 20-Sep-06 16:39 24.50 26.0 5.65 5.50 5.68 86.2 84.6 8.2 30.7 4.1 4.1 8	M MID-FLOOD 20-Sep-06 16:39 24:50 26:0 5.65 5.50 5.68 86.2 84.6 8.2 30.7 4.1 4.1 11.5 B MID-FLOOD 20-Sep-06 26:1 5.52 5.44 5.46 84.0 82.1 82 30.8 5.2 5.4 4.6 16.0

Lab	Saul I			1431-41	400	Waler	Temp.	DO, mg/L	DO, mg/L		DO, %	DO, %	leg u		Turbidity,	Turbidity	NTU, Averaged	Suspended	SS, Averaged
ID	Location	Position	Tide	Sampling Date	Time	depth, m	°C	(1)	(2)	DO, Average value	(1)	(2)	pH, Unit	Salinky, ppt	NTU (1)	NTU (2)	Value	Solid, mg/L	Value
530	WWFCZ1	M	MID-FLOOD	20-Sep-06	17:36	34,30	26.1	5,80	5,67	5,81	84.3	81.0	8.3	30.9	4.1	4.2		15.0	
531	WWFCZ1	В	MID-FLOOD	20-Sep-06	1		26,1	5,71	5.52	5,62	83,6	80.4	8.3	30.9	6.2	6.1	4.5	14.5	11.8
532	WWFCZ2	S	MID-FLOOD	20-Sep-06			26.0	5,88	5.76		90,6	87.5	8,3	29.4	3.1	3.3		16.0	
533	WWFCZ2	M	MID-FLOOD	20-Sep-06	17:23	32.80	26.0	5,67	5,57	5,72	86,3	83.5	8.3	30.9	4.0	3.9		17.0	
534	WWFCZ2	В	MID-FLOOD	20-Sep-06			26.0	5.53	5,42	5,48	84_0	81,9	8.3	30.9	3.2	3.5	3_5	14.5	15.8
535	WFCZR1	S	MID-FLOOD	20-Sep-06			26.2	5.93	5,74		89.2	85.6	8.3	30.8	4.1	4.2		6.0	-
536	WFCZR1	M	MID-FLOOD	20-Sep-06	17:49	41.20	26.1	5,68	5,50	5.71	84.5	83.2	6.3	30 9	4.2	4.1		7,5	ř l
537	WFCZR1	В	MID-FLOOD	20-Sep-06			26.0	5.54	5.41	5.48	83.9	80.7	8.3	30.8	5.2	5.1	4.5	9.0	7.5
538	WFCZR2	S	MID-FLOOD	20-Sep-06			26.0	5,90	5.74		93.6	88.1	8.2	30.9	3.8	3.8		11.5	
539	WFCZR2	М	MID-FLOOD	20-Sep-06	17:11	39,60	25.9	5.69	5.56	5.72	86.2	83.4	8.2	30.9	3.5	3.7		12.5	
540	WFCZR2	8	MID-FLOOD	20-Sep-05			25.7	5.55	5.43	5.49	84.9	81.6	8.2	30.9	4.2	4.6	3.9	12.0	12.0
541	WWA1	S	MID-EBB	22-Sep-06			26.6	5.99	5.94		98.4	93.6	8.0	29.9	5.9	5.8		13.0	12,0
542	WWA1	M	MID-EBB	22-Sep-06	13:47	6.70	26.5	5.87	5.72	5.88	89.9	87.3	8.0	29.9	5.4	5.3		12.0	
543	WWA1	В	MIO-EBB	22-Sep-06			26.5	5.66	5.43	5.55	84.2	81.1	8.0	30.0	9.2	9.1	6.8	14.0	13.0
544	WWA2	S	MID-EBB	22-Sep-06			27.0	5.96	5.94		96.9	91.0	8.0	29.9	7.1	6.8	0.0	13.0	10.0
545	WWA2	M	MID-EBB	22-Sep-06	13:34	8.20	26.7	5.80	5.60	5.83	86.7	84.8	8.0	30.1	8.6	8.6		11.0	
546	WWA2	В	MID-EBB	22-Sep-06		57. 3	26.6	5,63	5.42	5.53	85.2	82.6	8.0	30.0	6.9	6.5	7.4	13.5	12.5
547	WWA3	S	MID-EBB	22-Sep-06			27.1	5.82	5,64	0,00	91.6	87.4	8.0	23.6	6.1	6.2	1.4	12.5	12.5
54B	WWA3	M	MID-EBB	22-Sep-06	13:18	7.80	26.8	5.59	5.49	5.64	86.0	84.0	8.0	29.9	6.2	6.5		12.0	
549	WWA3	В	MID-EBB	22-Sep-06			26.8	5.54	5.41	5.48	83.4	80.2	8.0	29.B	6.7	6.4	6.4	16.0	13.5
550	WRA1	S	MID-EBB	22-Sep-06			27.0	5.88	5.69	0,10	96.3	91.8	8.0	29.1	4.7	4.8	0.4	9.0	10.5
551	WRA1	M	MID-EBB	22-Sep-06	13:59	29.70	26.5	5.70	5.57	5.71	87.2	84.1	8.0	29.9	10.2	9.7		12.5	
552	WRA1	В	MID-E88	22-Sep-06			26.4	5.60	5.44	5.52	84.0	80.7	8.0	30.1	6.2	6.2	7.0	14.5	12.0
553	WRA2	S	MID-EBB	22-Sep-06			27.0	5.94	5.86	0,02	93,3	86.9	8.1	29.1	4.0	3.7	1.0	12.0	12.0
554	WRA2	M	MID-EBB	22-Sep-06	14:14	23.50	25.4	5.76	5.61	5.79	86.0	83.7	8.1	30.0	7.2	7.1		11.5	į.
555	WRA2	В	MID-EBB	22-Sep-06			26.4	5.58	5.42	5.50	84.1	82.2	8.1	30.0	10.2	8.7	6.8	13.5	123
556	WRA3	S	MID-EBB	22-Sep-06		-	26.9	5.94	5.90	5,00	95.4	92.0	8.1	29.3	4.2	4.8	0.0	7.0	12.3
557	WRA3	M	MID-EBB	22-Sep-06	14:28	22.60	26.8	5.70	5.58	5.78	87.7	85.0	8.1	29.6	6.4	6.2		8.5	h i
558	WRA3	В	MID-EBB	22-Sep-06	74.20	22.00	26.5	5.62	5,45	5.54	83.6	81.0	8.1	30.0	6.3	6.1	5.7	12.5	9.3
559	WWFCZ1	S	MID-EBB	22-Sep-06			27.1	5.95	5.87	5,54	95.9	91.6	8.1	29.1	4.0	3.8	5.1	11.0	9.3
560	WWFCZ1	M	MID-EBB	22-Sep-06	15:09	32.20	26.7	5.64	5.49	5.74	86.6	83 3	8.1	29.8	4.7	4.6		13.0	A I
561	WWFCZ1	В	MID-EBB	22-Sep-06		02.20	26.5	5.53	5,43	5.48	84.1	80.6	8.1	30.0	7.3	7.1	5.2	14.5	40.0
562	WWFCZ2	S	MID-EBB	22-Sep-06			26.9	5,94	5,87	3,40	96.9	92.0	8.1	29.0	4.8	4_B	3.2	12.5	12.B
563	WWFCZ2	M	MID-EBB	22-Sep-06	14:58	31.60	26.B	5.72	5.59	5,78	86.5	84.1	8.1	29.6	5.3	5.1		16.5	
564	WWFCZ2	В	MID-EBB	22-Sep-06	14.50	31.00	26.5	5.56	5.44	5,50	83.2	80.1	8.1	29.9	6.4	6.5		18.0	45.7
565	WFCZR1	S	MID-EBB	22-Sep-06	-		27.0	5.94	5.86	3,30	93.0	88.4	8.1	29,9	4.8	4.5	5.5		15.7
566	WFCZR1	M	MID-EBB	22-Sep-06	15:23	40.70	26.7	5.70	5.54	5,76	86.0	83.5		29.7	6.1	6.5		7.0	4
567	WFCZR1	B	MID-EBB	22-Sep-06		40.70	26.6	5.56	5.41	5.49	83.6	80.5	8.1	29.7	8.6	8.2	6.5	14.5	42.2
568	WFCZR2	S	MID-EBB	22-Sep-06	-		27.1	5.98	5.91	3,43	99.3	93.9	8.1	29.6	5.3		0,0	15.5	12.3
569	WFCZR2	M	MID-EBB	22-Sep-06	14:42	38.50	26.5	5.80	5.67	5.84	89.1	86.0	8.1	29.6	5.7	4_9 5.5		11.0	
	WFCZR2	В	MID-EBB	22-Sep-06		30.30	26.4	5.61	5.47	5.54	84.4	82.6	8.1	30.0	8.4		6.2	14.5	10.5
571	WWA1	s	MID-FLOOD	22-Sep-06		_	26.4	5.95	5.87	0,04	92.6					8.2	6.3	15.0	13.5
572	WWA1	M	MID-FLOOD	22-Sep-06	9:28	7,30	26.4	5.76	5.60	5.80	85.4	86.6	8.3	30,6 30.6	3.0	1.6		11.0	
573	WWA1		MID-FLOOD	22-Sep-06	5,20	. 50	26.3	5.51	5.44	5.80	83.9	80.2		30,6		4.9		12.0	225
910		-	WID-I LOOD	22-3ep-00			20,3	0.01	2.44	3,40	83.9	DU.Z	8.3	3U./	5.0	4.9	3.0	12.0	11.7

Givenviproject/24583 env_data/marme/impact/Data Evaluation monthly

Page 13 of 18

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	
574	WWA2	8	MID-FLOOD	22-Sep-06			26.5	5.86	5.76		88.6	85.7	8.3	30.7	2.3	2.4		10.0		
575	WWA2	M	MID-FLOOD	22-Sep-06	9:12	8.60	26.6	5.70	5.59	5.73	86.8	84.1	8.3	30.6	2.0	2.1		11.0		
576	WWA2	В	MID-FLOOD	22-Sep-06			26.4	5.62	5.42	5.52	85.7	80.6	8.3	30.8	3.0	2.8	2.4	12.0	11.0	
577	WWA3	S	MID-FLOOD	22-Sep-06		95.00	26.4	5.94	5.86	K-10-7-7-7-7	86.6	90.3	8.3	30.7	3.5	3.3		11.5		
578	WWA3	M	MID-FLOOD	22-Sep-06	9:00	8.10	26.4	5.80	5.66	5.82	86.5	82.6	8.3	30.6	5.9	5.5		16.0		
579	WWA3	В	MID-FLOOD	22-Sep-06			26.4	5.59	5.42	5.51	84.5	80.6	8.3	30.8	2.4	2.2	3.8	14.5	14.0	
580	WRA1	S	MID-FLOOD	22-Sep-06	5886	Targeton :	26,3	5.96	5,92		94.4	88.2	8.4	30.5	7.2	6.8		8.0		
581	WRA1	М	MID-FLOOD	22-Sep-06	9:43	31.20	26.4	5.76	5.59	5.81	96.9	91.6	8.4	30.5	6.1	6.1		13.0		
582	WRA1	В	MID-FLOOD	22-Sep-06			26.4	5.62	5.43	5.53	85.9	81.0	8.4	30.5	7.2	6.1	6.6	8.5	9.8	
583	WRA2	S	MID-FLOOD	22-Sep-06			26.3	5.99	5.92		96.3	92.9	8.3	30.7	4.0	4.1		8.5		
584	WRA2	M	MID-FLOOD	22-Sep-06	9:57	25.70	26.3	5.84	5.63	5.85	93.5	89.1	8.3	30.6	4.1	4.2		8.0		
585	WRA2	B	MID-FLOOD	22-Sep-06		1	26.3	5.59	5.41	5.50	86.0	81.9	8.3	30.8	2.6	2.7	3.6	7.5	8.0	
586	WRA3	S	MID-FLOOD	22-Sep-06			26.2	5.94	5.86		95.9	90.3	8.3	30,5	4.4	4.5		7.0		
587	WRA3	M	MID-FLOOD	22-Sep-06	10:14	24.80	26.2	5.80	5.64	5.81	92.6	88.3	8.3	30.6	2.3	2.8		10.0		
588	WRA3	В	MID-FLOOD	22-Sep-06		5-40-10-10	26.2	5.60	5.41	5.51	84.1	81.5	8.3	30.7	5.4	5.5	4.2	9.0	8.7	
589	WWFCZ1	S	MID-FLOOD	22-Sep-06			26.7	5.87	5.62		91.6	88.8	8.4	30.7	5.4	5.3		13.0		
590	WWFCZ1	M	MID-FLOOD	22-Sep-06	10:57	33.40	26.3	5.74	5,59	5.71	87.2	83.5	8.4	30,6	5.0	4.8		10.0		
591	WWFCZ1	В	MID-FLOOD	22-Sep-06			26.4	5.64	5,43	5.54	84.1	80.5	8.4	30.6	3.0	3.2	4.4	15.0	12.7	
592	WWFCZ2	S	MID-FLOOD	22-Sep-06		4145-5411	26.4	5.94	5.86		89.6	87.0	8.4	30.5	5.2	5.5		13.5		
593	WWFCZ2	M	MID-FLOOD	22-Sep-06	10:42	32.70	26.4	5.99	5.86	5.91	85.2	83.6	8.4	30.6	5.1	5.1		12.5		
594	WWFCZ2	В	MID-FLOOD	22-Sep-06			26.4	5.60	5.44	5,52	83.8	80.5	8.4	30.5	6.2	6.2	5.6	11.0	12.3	
595	WFCZR1	S	MID-FLOOD	22-Sep-06			26.7	5.94	5.86		93.6	90.3	8.3	29.9	2.3	2.3	4,14	7.5		
596	WFCZR1	M	MID-FLOOD	22-Sep-06 11:09		The state of the s	41.50	28.5	5.82	5.61	5.81	88.2	84.6	8.3	30.7	3.2	3.4		9.5	
597	WFCZR1	В	MID-FLOOD	22-Sep-06			26.3	5.57	5.41	5.49	86.0	81.9	8.3	31.0	5.4	5.4	3.7	10.0	9.0	
598	WFCZR2	S	MID-FLOOD	22-Sep-06	-		25.9	5.93	5.84		89.5	84.3	8.4	30.5	4.1	4.8		5.5		
599	WFCZR2	M	MID-FLOOD	22-Sep-06	10:27	39.80	26.3	5.63	5.49	5.72	87.6	83.2	8.4	30.5	5.5	5.1		11.0		
600	WFCZR2	В	MID-FLOOD	22-Sep-06	1000000	2007/196	26.3	5.53	5.41	5.47	85.0	81.4	8.4	30.7	9.5	9.4	6.4	16.5	11.0	
601	WWA1	8	MID-EBB	25-Sep-06		-	26.7	5.93	5,86		90.4	86.2	8.0	30.5	5.1	5.1		11.0	7.11	
602	WWA1	M	MID-EBB	25-Sep-06	15:24	6.90	26.6	5.74	5.60	5.78	87.0	84,6	8.0	30.7	7.4	7.2		14.0		
603	WWA1	В	MID-EBB	25-Sep-06	2000064111	Arestern.	26.5	5.56	5.41	5.49	84.9	80.2	8.0	30.7	9.1	8.8	7.1	15.0	13.3	
604	WWA2	S	MID-EBB	25-Sep-06			26.9	5.97	5.88	-	93.4	91.1	8.0	30.7	7.6	7.4		18.5	10.0	
605	WWA2	M	MID-EBB	25-Sep-06	15:34	7.80	26.7	5.80	5.65	5.83	87.2	84.7	8.0	30.8	6.4	6,3		14.5		
606	WWA2	В	MID-EBB	25-Sep-06	1,710		26.7	5.51	5.42	5.47	84.0	81.2	8.0	30.9	8.2	8.1	7.3	20.5	17.8	
607	WWA3	S	MID-EBB	25-Sep-06			26.7	5.90	5.79		91.3	87.4	8.0	30.8	11.8	10.7	7.0	18.5	1.7.20	
808	WWA3	M	MID-EBB	25-Sep-06	15:44	7.60	26.5	5.62	5.54	5.71	86.0	83.5	8.0	30.9	12.8	9.8		16.0		
609	WWA3	В	MID-EBB	25-Sep-06			26.5	5.52	5.41	5.47	83.1	80.2	8.0	30.9	11.0	10.7	11.1	19.0	17.8	
610	WRA1	S	MID-EBB	25-Sep-06			26.5	5.91	5.86		91.6	88.7	8.1	30.5	4.5	4.2	****	9.5		
611	WRA1	M	MID-EBB	25-Sep-06	15:14	29.50	26.5	5.82	5.70	5.82	86.7	84.1	8.1	26.5	4.6	4.5		11.0		
512	WRA1	В	MID-EBB	25-Sep-06	100000	2000	26.3	5.61	5.44	5.53	84.0	81.5	8.1	30.8	4.4	4.1	4.4	9.5	10.0	
513	WRA2	S	MID-EBB	25-Sep-06			26.7	5.99	5,90	0.00	96.2	91.4	8.1	30.5	5.1	5.2	7.4	9.0	70.0	
514	WRA2	M	MID-EBB	25-Sep-06	15:02	24.10	26.5	5.74	5.62	5.81	87.6	84.0	8.1	30.5	4.3	4.2		9.5		
615	WRA2	B	MID-EBB	25-Sep-06			26.5	5.54	5.43	5.49	83.6	80.7	8.1	30.7					0.5	
616	WRA3	S	MID-EBB	25-Sep-06			26.4	5.94	5.86	5.48	93.4	m market and a second		30.8	4.4	4.2	4.6	6.0	8.2	
517	WRA3	M	MID-EBB	25-Sep-06	14:51	23.20	26.3	5.80		5.00		90.2	8.1	12,151	5.0	4.6		11.5		
W. S. F.	VENTO	2007	MILI-EDD	23.360.00	10001	20.20	20.3	5,60	5.68	5.82	86.6	83,6	8.1	30.8	4.1	4.1	-	14.5		

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, % seturation (2)	pH. Unit	Salinity, ppt	Turbidity, NTU (1)	Turbidny, NTU (2)	NTU, Averaged Value	Suspended Solid, mg/l,	Value
616	WRA3	В	MID-EBB	25-Sep-08			26.2	5,60	5.45	5.53	84.7	81.2	8.1	30.8	5.4	5.2	4.7	10.0	12.0
-	WWFCZ1	S	MID-EBB	25-Sep-06			26.5	5,86	5,81		93,6	89.9	8.1	30.5	4.3	4,5		8,5	
	WWFCZ1	M	MID-EBB	25-Sep-06	14:26	32.60	26.4	5.34	5.27	5,57	86.2	83.9	8.1	30.8	6.2	5.8		8.0	1 !
	WWFCZ1	В	MID-EBB	25-Sep-06			25.3	5.41	5.29	5,35	83,5	81.2	8.1	30.9	5,6	5.5	5.3	12.0	9_5
_	WWFCZ2	S	MID-EBB	25-Sep-06			26,6	5,94	5,86		91.6	89.3	8.1	30,6	4,1	4.2		6,5	
	WWFCZ2	M	MID-EBB	25-Sep-06	14:13	31.80	26.5	5.71	5.60	5.78	86,0	83.8	8.1	30.6	5.7	5.4		12.0	4
	WWFCZ2	В	MID-EBB	25-Sep-06			26.5	5.58	5.42	5.50	83.2	81.9	8.1	30.9	6.2	6.2	5.3	12.0	10,2
	WFCZR1	S	MID-EBB	25-Sep-06			27.2	5.84	5.71		89_1	86.5	8.1	29,8	3.8	3.6		8,5	
	WFCZR1	M	MID-EBB	25-Sep-06	14:00	39,50	26.7	5,64	5.56	5.69	85.2	83.4	8.1	30,3	5.3	5.4		8,5	1
	WFCZR1	В	MID-EBB	25-Sep-06			26.6	5.51	5.42	5,47	82.7	80.1	B,1	30.4	4.4	4.5	4.5	11.5	9.5
	WFCZR2	S	MID-EBB	25-Sep-06			26.4	5.96	5.90		89.4	86,9	8,2	30.2	3.3	3.1		8.5	
	WFCZR2	M	MID-EBB	25-Sep-06	14:39	38.70	26.4	5.82	5.64	5.83	86.4	84.0	8,2	30,9	4.6	4.4	Í	7,0	1
	WFCZR2	В	MID-EBB	25-Sep-06	1000		26.4	5.51	5.42	5,47	83.2	80,5	8,1	30,8	4.0	4.2	3.9	10.5	8.7
631	WWA1	S	MID-FLOOD	25-Sep-06	_		26.0	5.94	5,91	7	89.4	86.5	8.4	30,8	5,7	5.4		14.0	
632	WWA1	M	MID-FLOOD	25-Sep-06	10:58	7,30	25.9	5.80	5.64	5.82	84.2	84.0	8.4	30.9	6.1	6.1		15.0	1
633	WWA1	В	MID-FLOOD	25-Sep-06	1		26.0	5.59	5.41	5.50	82.0	81.2	8.4	30.B	5,0	4.5	5.5	20,5	16.5
634	WWA2	S	MID-FLOOD	25-Sep-06	_	_	26.3	5.90	5.76		88.6	85.7	8.4	30.9	5,0	5,0		9.0	
635	WWA2	M	MID-FLOOD	25-Sep-06	11;10	8.10	26.2	5.84	5.81	5.83	86,3	83,5	8,4	30.9	5,8	5.8		13,5	
636	WWA2	В	MID-FLOOD	25-Sep-06		1.00	26.1	5.60	5.43	5.52	82.0	80.2	8.4	30.8	4.6	4.5	5.1	14.0	12.2
637	WWA3	S	MID-FLOOD	25-Sep-06			26.4	5.92	5.84		B4.4	B5.3	8.4	30.6	3.2	3:1		18.5	
638	WWA3	M	MID-FLOOD	25-Sep-06	11:19	7.70	26.3	5.72	5.61	5.77	86.4	84.1	8.4	30.8	2.4	2.6		15.5	1
639	WWA3	B	MID-FLOOD	25-Sep-06			26.2	5.53	5.40	5.47	82.0	80.1	8.4	30.8	3.5	3.5	3.0	14.5	16,2
640	WRA1	S	MID-FLOOD	25-Sep-06	-		26.3	5.95	5.84		96.D	91.4	8.3	30.5	6.5	6.4		13,5	
641	WRA1	M	MID-FLOOD	25-Sep-06	10:46	31.20	26.3	5.82	5.70	5.83	86,8	82.6	8,3	29.5	7.4	6.8	1	12.0	1
642	WRA1	В	MID-FLOOD	25-Sep-06	10.70	1,100	26.3	5,54	5.42	5.48	84.1	81.5	8.3	30.9	7.1	7.1	6.9	15.5	13,7
643	WRA2	S	MID-FLOOD	25-Sep-06	-		26.4	5.86	5.74		93.0	87.6	8.3	26.4	5.0	5,2		8.5	
644	WRA2	M	MID-FLOOD	25-Sep-06	10:34	24.80	26.4	5.64	5.56	5.70	85.0	82.1	8.3	30.9	4.9	4.3	1	12.0	1
645	WRA2	B	MID-FLOOD	25-Sep-06			26.4	5.46	5,41	5.44	82.6	80.0	8.3	30.9	6.1	6,1	5,3	14.5	11,7
546	WRA3	s	MID-FLOOD	25-Sep-06			26.3	5.93	5.86		91.6	88.2	8.3	30,9	5.3	5.1		10.5	
647	WRA3	M	MID-FLOOD	25-Sep-06	10:22	24.50	26.4	5.85	5.81	5.86	86.0	84.1	8.3	30.9	5.5	5,3	1	11.5	1
648	WRA3	В	MID-FLOOD	25-Sep-06	10.22		26.4	5.78	5.76	5.78	83.0	80.5	8.3	30.9	5.1	4.8	5,2	13,5	11.8
649	WWFCZ1	S	MID-FLOOD	25-Sep-06	_		26.3	5.90	5.90		96.7	93.6	8.2	30.9	3.9	3.5		10,5	
650	WWFCZ1	M	MID-FLOOD	25-Sep-06	9:55	33,40	26.3	5.85	5.83	5.87	87.6	84.0	8.2	30.9	5.3	5.0	1	12.0	1
	WWFCZ1	B	MID-FLOOD	25-Sep-06		10.00	26.3	5.79	5.76	5.78	83.6	80.1	8.2	28.7	4.7	4.5	4.5	12.5	11.7
	WWFCZ2	S	MID-FLOOD	25-Sep-06	_	-	26.2	5.99	5.92		95.3	89.2	8.3	30.9	4.1	3.9		14.5	
653	WWFCZ2	M	MID-FLOOD	25-Sep-06	9:43	32.60	26.3	5.86	5.84	5.90	88.2	85.0	8.3	30.8	5.0	5.1	1	14.5	1
654	WWFCZ2	B	MID-FLOOD	25-Sep-06	1		26.1	5.76	5.51	5.64	83.5	80.2	8.3	30.8	5.0	4.6	4.6	16.0	15.0
655	WFCZR1	S	MID-FLOOD	25-Sep-06			26.5	5.96	5.92		97,3	91.6	8.3	31.0	4.0	3.8		21.0	
656	WFCZR1	M	MID-FLOOD	25-Sep-06	9:30	40.30	26.5	5.82	5.69	5.85	88.2	85.9	8.3	31.1	4.2	4.4	1	18.5	1
657	WFC2R1	B	MID-FLOOD	25-Sep-06	1	1	26.4	5.51	5.41	5.46	83.8	80.5	8.3	31.2	3.8	3,5	3.9	13.5	17.7
658	WFCZR1		MID-FLOOD	25-Sep-06	-	-	26.3	5.91	5.85		92.1	86.5	8.3	30.8	3.2	3.3		15.5	
659	WFCZR2	M	MID-FLOOD	25-Sep-06	10:08	39.50	26.3	5.71	5.59	5.77	87.0	83.5	8,3	30.7	3.8	3.8	1	19.5	1
660	WFCZR2		MID-FLOOD	25-Sep-06	10.00	00,00	26.4	5.53	5.41	5.47	84.2	80.2	8.3	30.8	3.9	4.1	3.7	22.0	19.0
661	WWA1	S	MID-FEOOD	27-Sep-06	-	_	26.8	5.90	5.82	-	96.3	93.5	7.8	23.3	3.3	3.1		6.5	

Gisens project 24583 env_datasmarine impact Data Evaluation/monthly

Page 15 of 18

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	
662	WWA1	M I	MID-EBB	27-Sep-06	15:27	7.70	26.7	5.79	5.61	5.78	89.1	86.0	7.8	30,6	3.7	3.5		B_0		
663	WWA1	В	MID-EBB	27-Sep-06			26.6	5,58	5.47	5.53	84.4	82.2	7.8	30.5	5.5	5.4	4.1	9.0	7.8	
664	VVVA2	S	MID-EBB	27-Sep-06			26.6	5.94	5.87		94.6	90.1	7.8	30.8	3.3	3,3		5.0		
665	WWA2	M	MID-EBB	27-Sep-06	15:14	8.30	26.7	5.72	5.58	5,78	87.6	87.4	7.8	30.6	3.5	3.5		14.0		
666	WWA2	В	MID-EBB	27-Sep-06			26.5	5.60	5.47	5,54	86.0	83.5	7.8	30.8	3.7	3.8	3.5	6.5	8.5	
567	WWA3	S	MID-EBB	27-Sep-06			26.B	5,89	5.71		93.2	88.5	7.8	30.6	3.3	3.5		5.5		
668	WWA3	M	MID-EBB	27-Sep-06	15:00	7.60	26.7	5.75	5,61	5.74	86,9	84.0	7.8	30.6	4.5	4.3		11.0		
669	WWA3	В	MID-E88	27-Sep-06			26.6	5.57	5.42	5,50	84.3	81.6	7.8	29.7	3.4	3.3	3,7	7.0	7.B	
670	WRA1	S	MID-EBB	27-Sep-06			26.5	5.97	5.91		93.0	88.4	8.0	30.4	4.7	4.7		15.5		
671	WRA1	M	MID-E8B	27-Sep-06	15:44	32.50	26.4	5.86	5.70	5.86	87.5	86.0	8.0	30.8	4.7	4.5		15.5		
672	WRA1	В	MID-EBB	27-Sep-06			26.3	5.70	5.54	5.62	84.6	81.3	8.0	30.6	3.8	3.7	4.3	8.0	13.0	
673	WRA2	Š	MID-EBB	27-Sep-06			26.4	5.93	5.80		91.6	88.2	8.1	30.5	4.5	4.3		11.5		
674	WRA2	M	MID-EBB	27-Sep-06	16:02	24.90	26.5	5.70	5.59	5.76	86.4	83.1	8,1	30,5	4.2	4.2		8.5		
675	WRAZ	В	MID-EBB	27-Sep-06			26.6	5.51	5.45	5.48	84.2	82.7	8.1	30.7	5.1	5.0	4.5	6,5	8,8	
676	EARW	S	MID-EBB	27-Sep-06			26.5	5.96	5.91		92.7	89.6	8.2	29.3	3.8	3.6		7.5		
677	EARW	M	MID-EBB	27-Sep-06	16:18	24.50	26.5	5,80	5.68	5.84	85.2	83.9	8.1	30.7	4.1	4.0		8,5		
678	WRA3	В	MID-EBB	27-Sep-06			26.4	5.60	5.47	5.54	84.0	81.4	8,1	30.8	3.5	3.4	3.7	7.0	7.7	
679	WWFCZ1	S	MID-EBB	27-Sep-06			26.6	5.88	5.72	1	94.9	89.2	8.0	30.6	4 1	4.2		11.0	ł	
680	WWFCZ1	M	MID-EBB	27-Sep-06	16:57	33,20	26.5	5.69	5.53	5.71	86.5	84,6	8.0	30.9	4.6	4,2		10.0		
681	WWFCZ1	В	MID-EBB	27-Sep-06			26.3	5.55	5.41	5.48	84.0	81.2	8.0	30.9	5.9	5.6	4.8	9,5	10.2	
	WWFCZ2		MID-E88	27-Sep-06			26.6	5.93	5.85		91.8	87.4	7.9	30,6	4.1	4.2		11.0		
683	WWFCZ2		MID-EBB	27-Sep-06	16:42	16:42	32.70	26.5	5.79	5.63	5.80	86.8	84.9	7.9	30.9	5.4	5.2		9.0	10.8
684	WWFCZ2		MID-EBB	27-Sep-06			26.3	5.64	5.49	5,57	84.3	82.0	7.9	30.B	5.2		4.9		10,6	
685	WFCZR1		MID-EBB	27-Sep-06			26.5	5.96	5.91		96.3	91.0	7.7	30.8	4.2	4.1		7.0	1	
686	WFCZR1	M:	MID-EBB	27-Sep-06	17:14	40.80	26.5	5.82	5.68	5.84	87.6	85.9	7.7	30.9	4.4 5.8	5.5	4.7	8.5	7.7	
687	WFCZR1		MID-EBB	27-Sep-06			26.4	5,60	5.47	5.54	83.8	80.0	7.7	30.9		3.8	4.7	7.5	1.1	
688	WFCZR2		MID-EBB	27-Sep-06			26.6	5.95	5.88		95.7	91.8	7.8	30.4	4.0			6.5	1	
689	WFCZR2		MID-EBB	27-Sep-06	16:30	39,70	26.4	5.76	5.61	5.80	89.0	85.3	7.8	30.7	5.3 5.4	5.2	4.8	9.0	7.7	
690	WFCZR2		MID-EBB	27-Sep-06			26.3	5.50	5.44	5.47	87.0 95.1	83.3	7.8	31.0	2.5	2.6	~.0	8.0	1.1	
691	WWA1	S	MID-FLOOD	27-Sep-06			26.6	5.89	5.74			91.6 85.4	8.1	30.0 30.6	7.9	7.6	8 1	14.5	1	
692	WWA1_	M	MID-FLOOD	27-Sep-06	11:30	8.10	26.7	5.71	5.59	5.73	87.0		8:1		6.2	6.0		15.0	12.5	
693	WWA1	В	MID-FLOOD				26.5	5.62	5,47	5,55	84.2	80.6	8.1	30.6	5.3	5.2	5.5	9.0	12.5	
694	WWA2	S	MID-FLOOD	27-Sep-06			26.4	5.94	5.89		92.2	88.6	B.1	30.1		4.6	8	16.0	4	
695	WWA2	M	MID-FLOOD	27-Sep-06	11:44	8,50	26.4	5.76	5.61	5.80	86.9	84.5	8.1	30.9	4.7	3.2	4.4	8.0	11.0	
696	WWA2	В	MID-FLOOD	27-Sep-06			26.3	5.58	5 42	5,50	82.9	79.4	8.1	30.6	3.3	2.9	4.4	7.0	11,0	
697	WWA3	S	MID-FLOOD	27-Sep-06			26.5	5.94	5.87		90.0	86.2	8,1	30.7				9.0	-	
698	WWA3	M	MID-FLOOD		11:57	7,90	26.4	5.70	5.58	5.77	84.1	82.9	8.1	30.8	6.5 5.8	6.3 5.6	5.0	12.5	9.5	
699	WWA3	В	MID-FLOOD		-		26.1	5.57	5.43	5,50	85.0	82.6	8.1	30.6		5.5	5.0	11.0	9.0	
700	WRA1	S	MID-FLOOD				26.6	5.94	5.82		91.6	89.9	0.8	30.5	5.2			11.5	1	
701	WRA1	ĺď	MID-FLOOD		11:15	32.60	26.6	5.69	5.57	5.76	84.1	82.9	6.0	30.7	6.3	6.2		9.5	10.7	
702	WRA1	B	MID-FLOOD				26.6	5.52	5.41	5.47	83.2	80.6	8.0	30.7	4.8	4.8	5.4	9.0	10.7	
703	WRAZ	Š	MID-FLOOD				26.4	5.90	5.77		92.1	87.8	8.1	30.8	3.4	3.4		9.5	1	
704	WRA2	M	MID-FLOOD		11:02	25.70	26.5	5.70	5.58	5.74	85.2	62.9	8.1	30.7	5.4	5.3	2.0	14.0	10.8	
705	WRAZ	B	MID-FLOOD	27-Sep-06			26.4	5.54	5.46	5.50	83.5	80.4	8.1	30.8	2.0	2.0	3.6	14.0	10.8	

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)	pH, Unit	Salinity, ppt	Turbidity, NTU (1)	Turbidity, NTU (2)	NTU, Averaged Value	Suspended Solid, mg/L	SS, Averaged Value
706	WRA3	S	MID-FLOOD	27-Sep-06			26.5	5.84	5.71		93.1	90.6	8.0	30.7	4,5	4.4		8.0	
707	WRA3	M	MID-FLOOD	27-Sep-06	10:50	24.90	26.7	5.62	5.50	5.67	86.8	84.0	8.0	30.6	3.8	3.6		10.5	1
708	WRA3	В	MID-FLOOD	27-Sep-06		24.000.00	26.7	5.51	5.40	5.46	82.8	79.2	8.0	30.7	4.0	3.8	4.0	10.0	9.5
709	WWFCZ1	S	MID-FLOOD	27-Sep-06			26.6	5.98	5,92		95.6	90.2	8.4	30.2	4.3	4.2		12.0	
710	WWFCZ1	M	MID-FLOOD	27-Sep-06	10:13	34,50	26.5	5.86	5.75	5.88	86.1	83.3	8.4	30.5	2.7	2.7		17.5	1
711	WWFC21	В	MID-FLOOD	27-Sep-06			26.6	5.60	5.45	5.53	84.9	80.9	8.4	30.7	10.3	9.2	5.6	10.5	13.3
	WWFCZ2	S	MID-FLOOD	27-Sep-06	Carata Act	000000000	26.5	5.99	5.93		96.2	93.0	8.0	30.6	5.9	5.6		8.0	
713	WWFCZ2	M	MID-FLOOD	27-Sep-06	10:26	33.40	26,6	5,80	5.66	5.85	88,2	86.0	8.0	30,6	4.1	4.2		14.0	1
714	WWFCZ2	В	MID-FLOOD	27-Sep-06			26.5	5.52	5.41	5.47	84.7	80.5	5,1	30,9	8.3	8.6	6.2	13.0	11.7
715	WFCZR1	S	MID-FLOOD	27-Sep-06	8 -9		27.0	5.96	5.92		90.5	89.1	8.2	30.5	6.5	6.2		13.0	
716	WFCZR1	M	MID-FLOOD	27-Sep-06	10:00	41.20	26.7	5.79	5.60	5.82	87.0	85.9	8.2	30.9	11.6	8.7		19.5	1
717	WFCZR1	В	MID-FLOOD	27-Sep-06			26.6	5,59	5.41	5.50	84.4	81.5	8.2	30.9	8.0	7.7	8.1	17.5	16,7
718	WFC2R2	S	MID-FLOOD	27-Sep-06			26.5	6.00	5.93		99.8	91.6	7.9	30.7	6.0	6.0		16.0	
718	WFCZR2	M	MID-FLOOD	27-Sep-06	10:38	40.30	26.4	5.85	5.69	5.87	87.5	85.0	7.9	30.7	4.4	4.3		11.5	1
720	WFCZR2	В	MID-FLOOD	27-Sep-06		1.000	26.4	5.59	5.46	5.53	83.6	80.2	7.9	30.8	9.8	9.4	6.6	9.0	12.2
721	WWA1	S	MID-EBB	29-Sep-06			27,3	5.92	5.87		95.2	91.0	8.4	29.3	4.2	4.1		10.5	
722	WWA1	M	MID-EBB	29-Sep-06	9:30	7.60	27.0	5.92	5.63	5.84	85.6	82.9	8.4	29.3	4.1	4.0		10.0	f
723	WWA1	В	MID-EBB	29-Sep-06			26.9	5.56	5.43	5,50	85.1	82.2	8.4	29.5	11.2	10.3	6.3	11.0	10.5
724	WWA2	S	MID-EBB	29-Sep-06			27.0	5.87	5.79		92.0	89.1	8.3	29.7	4.5	4.5		7.5	1.5.5
725	WWA2	M	MID-EBB	29-Sep-06	9:15	7.90	26.9	5.70	5.59	5.74	86,7	83.2	8.3	30.5	5.5	5.5		9.5	ſ
726	WWA2	В	MID-EBB	29-Sep-06			26.8	5.63	5.47	5.55	86.2	82.5	8.3	30.4	5.6	5.4	5.2	11.0	9.3
727	WWA3	S	MID-EBB	29-Sep-08			27.0	5.96	5.90		89.7	86.9	8.3	29.8	3.0	2.7		7.5	
728	WWA3	M	MID-EBB	29-Sep-06	9:00	7.50	26.9	5.80	5.68	5.84	85.9	83.2	8.3	29.6	3.9	3.9		8.0	Ê
729	WWA3	В	MID-EBB	29-Sep-06			26.8	5.54	5.41	5.48	84.6	80.4	8.3	29.7	5.5	4.1	3.8	11.5	9.0
730	WRA1	\$	MID-EBB	29-Sep-06			26.9	5.91	5.84		93.9	89.3	8.2	30.6	1.5	1.5		6,5	
731	WRA1	. M	MID-EBB	29-Sep-06	9:44	30.70	26.8	5.80	5.70	5.81	85.7	82.9	8.2	30,3	4.9	4.8		10.0	1
732	WRA1	8	MID-EBB	29-Sep-06	1000		26.8	5,59	5.47	5.53	83.8	80.7	8.2	30.5	3.5	3.6	3.3	15.0	10.5
733	WRA2	S	MID-EBB	29-Sep-06			26.8	5.99	5.92		99.2	94.0	8.1	29.9	4.7	4.6		9.0	10.0
734	WRA2	M	MID-EBB	29-Sep-06	9:59	25.90	27.0	5.80	5.69	5.85	90.1	87.4	8.1	30.5	4.7	4.5		11.5	F
735	WRA2	8	MID-EBB	29-Sep-06	111111111111111111111111111111111111111	ATTACK STATE	26.8	5.55	5.43	5.49	83.7	81.2	8.1	30.5	5.2	5.5	4.9	10.0	10.2
736	WRA3	S	MID-EBB	29-Sep-06			27.3	5.96	5.92		96.9	91.4	8.1	29.8	2.4	2.4	4.0	6.5	10.2
737	WRA3	M	MID-EBB	29-Sep-06	10:12	24.70	27.1	5.76	5.67	5.83	87.8	84.2	8,1	30.3	3.9	3.7		7.5	1
738	WRA3	В	MID-EBB	29-Sep-06			26.8	5.53	5.44	5.49	83.0	80.5	8.1	30.6	4.6	4.6	3.6	9.0	7.7
739	WWFCZ1	S	MID-EBB	29-Sep-06			26.7	5.91	5.79		93.3	90.4	8.3	29.2	3.3	3,3		9.5	
740	WWFCZ1	M	MID-EBB	29-Sep-06	10:53	34.20	26.8	5.73	5.66	5.77	86.1	84.7	8.3	29.7	3.8	3.6		6.0	1
741	WWFCZ1	8	MID-EBB	29-Sep-05			26.9	5.60	5.46	5,53	84.2	81.9	8.3	30.0	4.1	4.5	3.8	6.0	7.2
	WWFCZ2	S	MID-EBB	29-Sep-06			26.8	5.95	5.92	1213.57	95.2	92.0	8.2	29.5	2.9	2.8		4.3	1.00
743	WWFCZ2	M	MID-EBB	29-Sep-06	10:38	31.60	26.9	5.80	5.68	5.84	86.9	84.2	8.2	29.6	4.9	4.7		5.0	
	WWFCZ2	В	MID-EBB	29-Sep-06	۱ ا		26.7	5.52	5.41	5.47	84,5	82.0	8.2	30.6	5.4	5.4	4.4	9.5	6.3
745	WFCZR1	S	MID-EBB	29-Sep-06			26.8	5.94	5.90		95,9	90.5	8.2	29.5	3.8	3.7		9.5	0.0
	WFCZR1	M	MID-EBB	29-Sep-06	11:09	40.90	26.8	5.86	5.74	5.86	88.1	86.2	8.2	30.1	4.2	4.5		6.0	
	WFCZR1	В	MID-EBB	29-Sep-06		10000000	26.9	5.64	5.51	5.58	84.0	81.5	8.2	30.5	4.6	4.6	4.2	7.0	7.5
	WFCZR2	S	MID-EBB	29-Sep-06			27.0	5.96	5.91		95.4	90.9	8.3	29.4	3.2	3.3	- 7.4	7,5	114
-	WFCZR2	M	MID-EBB	29-Sep-06	10:25	39.50	27.0	5.81	5.70	5.85	87.9	84.8	8.3	30.4	6.3	6.3		7.5	

G: enviproject 24583 env_data-margne-impact Data Evaluation monthly

Page 17 of 18

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
750	WFCZR2	В	MID-EBB	29-Sep-06			26.7	5,59	5.40	5,50	84.2	81.9	8.3	30.4	4.6	4.5	4.7	10.0	8.3
751	WWA1	S	MID-FLOOD	29-Sep-06			26.7	5.94	5,86		96.2	90.9	8.3	30,8	4.3	4.4		3.0	
752	WWA1	M	MID-FLOOD	29-Sep-06	13:27	7,90	26.7	5.80	5.67	5,82	87.2	84.0	8.3	30.7	4.5	4.1		8.5	f .
753	WWA1	В	MID-FLOOD	29-Sep-06			26.5	5.59	5.41	5,50	86.1	82.6	8.3	30.8	8.8	8.6	5.8	10.0	7.2
754	WWA2	S	MID-FLOOD	29-Sep-06			27.2	5.97	5.90		97,6	92.1	8.3	30.8	4.5	4.6		10.5	
755	WWA2	M	MID-FLOOD	29-Sep-06	13:13	8.20	26.8	5,81	5.74	5,86	86_0	83.4	8.3	30.9	5.3	5.4		12.5	(
756	WWA2	В	MID-FLOOD	29-Sep-06			26.7	5.70	5.54	5.62	84.2	80.7	8.3	30,9	5.6	5.5	5.1	12.5	11.8
757	WWA3	S	MID-FLOOD	29-Sep-06			26.7	5.94	5.80		94.9	88,5	8.3	30.7	3.2	3.2		4.0	
758	WWA3	M	MID-FLOOD	29-Sep-06	13:00	7.80	26.7	5,60	5.51	5.71	86.4	82.5	8.3	30.9	3.7	3.6		8.0	S 1
759	WWA3	В	MID-FLOOD	29-Sep-06			26.6	5,56	5.48	5,52	84.3	81.9	8_3	31.1	5.3	5.5	4.1	13.0	8.3
760	WRA1	S	MID-FLOOD	29-Sep-06			26.8	5.99	5.94		97.3	91.9	8.3	30.5	2.4	2.5		5.0	
761	WRA1	M	MID-FLOOD	29-Sep-06	13:42	31,90	26.8	5.82	5.67	5,86	86.6	84.0	8.3	30_7	3.8	3.8		5.0	ji i
762	WRA1	В	MID-FLOOD	29-Sep-06			26.8	5.76	5.43	5,60	84.9	81.2	8.3	30.8	3.9	3.9	3.4	7.0	5.7
763	WRA2	S	MID-FLOOD	29-Sep-06			26.8	5.97	5,91		95.0	90.3	8.3	30.B	4.6	4.5		4.5	
764	WRA2	M	MID-FLOOD	29-Sep-06	13:57	26.30	26.8	5.80	5.61	5.82	87.4	83.7	8.3	30.9	4.9	5.1		6.5	P 1
765	WRA2	В	MID-FLOOD	29-Sep-06			26.7	5.43	5.46	5.45	84.3	80.9	8.3	31.0	5.0	5.2	4.9	7.5	6.2
766	WRA3	S	MID-FLOOD	29-Sep-06			26.8	5.94	5.86		93.9	89.2	8.4	30.5	3.2	3.B		7.0	
767	WRA3	M	MID-FLOOD	29-Sep-06	14:14	25.10	26.7	5.80	5.57	5.79	87.1	85.0	8.4	31.0	3.8	3.6		7.5	1
768	WRA3	В	MID-FLOOD	29-Sep-06			26.7	5.52	5.41	5.47	83.0	80.2	8.4	31.1	3.7	3.9	3.7	7.5	7.3
769	WWFCZ1	S	MID-FLOOD	29-Sep-06			27.0	5.94	5.89		96.0	90.1	8.2	29.9	3.2	3.6		14.0	
770	WWFCZ1	M	MID-FLOOD	29-Sep-06	14:58	34.70	26.6	5.80	5.69	5.83	86.7	85.2	8.2	30.5	2.B	2.8		16.5	ji .
771	WWFCZ1	В	MID-FLOOD	29-Sep-06			26,6	5.54	5.41	5.48	83.5	80,3	8.2	30.6	4.2	4.5	3.5	14,5	15.0
772	WWFCZ2	S	MID-FLOOD	29-Sep-06	7 7 7		27.1	5.90	5.80		94.8	89.3	8.1	30.2	3.1	3.3		6.0	
773	WWFCZ2	M	MID-FLOOD	29-Sep-06	14:43	33_80	26.7	5.74	5.58	5.76	86.0	83.7	8.1	30.7	4.2	4.1		10.5	di I
774	WWFCZ2	В	MID-FLOOD	29-Sep-06	Ĺ		26.7	5.53	5.44	5.49	83.8	80.6	8.1	30.7	4-1	4.2	3.9	10.5	9.0
	WFCZR1	S	MID-FLOOD	29-Sep-06			27.3	5,99	5,91		97.2	92.5	7.9	25.5	3.8	3.9		7.5	
776	WFCZR1	M	MID-FLOOD	29-Sep-06	15:12	41_80	27.0	5.83	5,76	5.87	88.4	86.2	7.9	217.9	3.8	3.5		10.5	
777	WFCZR1	В	MID-FLOOD	29-Sep-06			26.5	5.58	5.46	5.52	84.0	81.5	7.9	29.9	4.6	4.7	4.0	10.5	9.5
778	WFCZR2	\$	MID-FLOOD	29-Sep-06			26.7	5.92	5.80		99.9	92.1	8.3	31.0	3.4	3.2		6.0	
779	WFCZR2	M:	MID-FLOOD	29-Sep-06	14:27	40.70	26.7	5.71	5.59	5.76	88.0	86.1	8.3	30.8	5.2	5.0		12.5	
780	WFCZR2	В	MID-FLOOD	29-Sep-06			26.7	5.63	5.47	5.55	84.0	81.8	8.3	30.8	4.7	4.7	4.4	15.5	11.3



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

		Kemark	Refer to ET's field record & CT's daily records.	Refer to ET's field record & CT's daily records.	Ditto	Diffo
	i	Closing Date	15-Sep-06	15-Sep-06	Ditto	Ditto
		CI s action	No action	No action	Ditto	Ditto
		El S invesugation	No muddy water and abnormal activities which would likely cause deterioration of water quality were observed at WWFCZ2 on 6 September 2006 by ETs field staff. The exceednace contributed by the nearby stations WRA1, WRA2 and WRA3 would be unlikely due to their normal SS levels, hence the exceedance would be unlikely caused by the construction works of the Project.	No muddy water and abnormal activities which would likely cause deterioration of water quality were observed at quality were observed at WWA1, WWA2 and WWA3 on 8 September 2006 by ET's field staff. The exceedances of SS levels were only marginal to the Baseline Check Criteria. In addition, there were no exceedances of Tby levels on the same stations on the same day. Hence, the exceedances were unlikely due to the Contractor was reminded to Contractor was reminded to perimeter channels at site boundaries to intercept stormwater entering the site boundaries to intercept and implement appropriate mitigation measures to minimize run-off of muddy site effluent into storm drains.	Ditto	Ditto
		Level at Impact Station	0 S	ог б	14.3	17.3
	SS (mg/L)	Control	14,2	13.0	80	12.7
		Baseline Check	13,0	13.0	13.0	13.0
Data		Level at Impact Station	(a.)	L	i.i.	
f Monitoring	Tby (NTU)	Control			•	ï.
Exceedance of Monitoring Data		Baseline Check				
		Level at impact Station				,
	DO (mg/L)	Control) *			
	00 (Baseline Check	3			r
		Position	a .		*	•
	Location		WWFGZ2	WWA1	WWA2	WWA3
	Tide		мід-ерр	mid-ebb	mid-ebb	mid-ebb
	Date		6-Sep-06	9-0-de-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-	8-Sep-06	90-dəS-8

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

	2 6 8 8 8 8 8		Refer to ET's field record & CT's daily records.	Refer to ET's field record & CT's daily records,
	Closing Date		29-Sep-06	29-Sep-06
	CTe action	6	The CT mobilised workers to clear the sift deposited in guillies and along Castle Peak Road immediately. The CT also paved the site entrance of Slope A, diverted the runoff to desilting tank and clearing of the desilting facility. The CT closely monitored the effectiveness of the temporary drainage system. With the remedial work implemented, the subsequent marine water quality monitoring data (16, 18 and 20 September 2006) indicated resumption normal ambient conditions	No action
	ETTe (numericalization	Dark Baron	Muddy runoff was observed discharging into nearby gullies ard along Castle site entrance of Slope A and and and and and are Road from the sile entrance of Slope A and	No muddy water and abnormal activities which would likely cause deterioration of water quality were observed at quality were observed at 2006 by ET's field staff and no exceedances were recrded at other impact monitoring stations. The exceedance contributed by the nearby stations WRA1, WRA2, WRA3 and WWFCZ2 would be unlikely due to their normal SS levels. Hence, the exceedance would be unlikely caused by the construction works of the Project and might be due to natural variation.
		Level at Impact Station	2.	7.60
	SS (mg/L)	Control	ທຶ	12.2
		Baseline Check	0'21	13.0
Data		Level at Impact Station	т	×
f Monitoring	Tby (NTU)	Control		T.
Exceedance of Monitoring		Baseline Check		Ĭ.
3		Level at Impact Station		Tr.
	DO (mg/L)	Control		NC .
) 00	Baseline Check	•	(40)
		Position	`r	Ti.
	l oration		WWA2	WWFCZ1
	Tide		mid-flood	mid-ebb
	Caste		14-Sep-06	20-Sep-06

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	Difto
		Closing Date	3-04-06	Ditto	Ditto
		CT's action	No action	Ditto	Ditto
	1	ET's investigation	No muddy water and abnormal activities which would likely cause deterioration of water quality were observed at quality were observed at the control staff. The exceedance levels were comparable to the levels vere marginal to the Baselline Check Criteria. Hence the exceedances were marginal to the Baselline Check Criteria. Hence the exceedance would be unlikely caused by the construction works of the Project and might be due to natural variation of marine water. The Contractor was reminded to intercept stormwater entering the site, provide cover to exposed slopes and divert all runoff to desilting facilities before discharging.	Ditto	Ditto
		Level at Impact Station		13.5	15.7
	SS (mg/L)	Control	•	9.3	13.5
		Baseline Check	,	13.0	13.0
Data	THE STREET	Level at Impact Station	×.		i.
of Monitoring	Tby (NTU)	Control	ထု ဟု		
Exceedance of Monitoring		Baseline Check	ທ ຜ	(100)	Die
9		Level at Impact Station		3	
	DO (mg/L)	Control	,	600	
	8	Baseline Check	i		
		Position			•
	Location		WWA2	WWA3	WWFCZ2
	Tide		mid-ebb	mid-ebb	mid-ebb WWFCZ2
	Date		22-Sep-06	22-Sep-06	22-Sep-06

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.	Difto	Ditto
	Closing Date	•	3-0ct-06	Diffo	Ditto
	CTs action		No action	Ditto	Ditto
	TTe investigation		No muddy water and abnormal activities which would likely cause deterioration of water quality were observed at quality were observed at a titled staff. The exceedances were marginal to the Baseline Check Criteria. During monitoring period, rock fill was being unloaded from the barge at Seawall A and no reclimation works was conducted. Hence the exceedances would be unlikely caused by the construction works of the Project and might be due to natural variation of marine water. The Contractor was reminded to intercept stormwater entering the site, provide cover to exposed discharging.	Ditto	Ditto
		Level at Impact Station	E.E.	17.8	17.8
	SS (mg/L)	Control	0.01	8.2	12.0
		Baseline Check	13.0	13.0	13.0
Data		Level at Impact Station	1.7	7.3	11.1
Monitoring	Tby (NTU)	Control	A.	4.6	4.7
Exceedance of Monitoring		Baseline Check	ν Θ	6.5	6.5
Ð		Level at Impact Station		r	
	DO (mg/L)	Control			
	00	Baseline Check		1.00	
		Position	1	*	(140)
		Location	WWA1	WWA2	WWA3
	a situ	9	тід-ерр	mid-ebb	mid-ebb
		Date	25-Sep-06	25-Sep-06	25-Sep-06