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) January 2007

Second Issue

Chun Wo Construction & Engineering Co Ltd

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

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

February 2007

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

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By Fax (2492 6201) and Post

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

Attn: Mr. Michael S Harfoot

14 February 2007

Dear Sir.

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

We refer to the Monthly EM&A Report for Reclamation Works (EP No. EP-219/2005) - January 2007 received via emails on 12 February 2007 from Ove Arup & Partners Hong Kong Ltd., the Environmental Team (ET) of Castle Peak Road Improvement - West of Tsing Lung Tau (Remaining Contract).

Having addressed the IEC's comment on 13 February 2007, the Monthly EM&A Report for Reclamation Works (EP No. EP-219/2005) - January 2007 is verified to be acceptable for onward submission to the Engineer, HyD, EPD and AFCD.

Should you have any inquiry or comment, please do not hesitate to contact the undersigned or our Miss Connie Wong at 3105 8530.

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

Y T Tang

Independent Environmental Checker

CC

MHJV

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Arup

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Executive Summary

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

Marine Water Quality Monitoring

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

Summary of Mid-Ebb Tide

The lowest DO level for surface & middle position of 5.49 mg/L were recorded at WWFCZ2 on 10 January 2007 and the lowest DO level for bottom position of 5.43 mg/L were recorded at WWA2 on 26 January 2007. There was no exceedance of DO level during reporting period when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

The highest depth-averaged Tby level of 7.6 Nephelometric Turbidity Unit (NTU) were recorded at WWFCZ2 on 06 January 2007. There was 1 exceedance of Tby Limit Level on 06 January 2007 when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

The highest SS level of 19.8 mg/L were recorded at WWFCZ2 on 08 January 2007. There were 7 exceedances of SS Baseline Check Criteria on 06, 08, 10 and 22 January 2007 when compared with the established baseline check criteria in Section 3.3 of this report.

Summary of Mid-Flood Tide

The lowest DO level for surface & middle position of 5.48 mg/L were recorded at WWA2 on 10 January 2007 and the lowest level for bottom position of 5.45 mg/L were recorded at WWA2 on 08 January 2007. There was no exceedance 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 of 7.0 NTU were recorded at WWFCZ2 on 06 January 2007. There was 1 exceedance of Tby Limit level on 06 January 2007 when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

The highest SS level of 28.8 mg/L were recorded at WWFCZ1 on 31 January 2007. There were 1 exceedance of SS Baseline Check Criteria, 1 exceedance of SS Action and 1 exceedance of SS Limit Level on 04, 08 and 31 January 2007 respectively when compared with the established baseline check criteria in Section 3.3 of this report.

Environmental Auditing

A total of 4 environmental site audits were conducted in January 2007. No non-conformance to the environmental requirements was identified during the reporting period. The major environmental concerns are:

Air Quality: Frequent water spraying over unpaved area;

Water Quality: Frequent clearing of desilting tank;

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

Chemical Waste Handling: Provision of driptray to oil drum.

Waste Disposal

A total of 41.55 tonnes of Construction & Demolition (C&D) waste and a total of 605 tonnes of C&D materials (transported by trucks) were disposed of at SENT Landfill and Public Filling Reception Facility at Tuen Mun Area 38 respectively in January 2007. No chemical waste was disposed of during the reporting period.

Complaint Records

No environmental complaint was received during the reporting period.

Exceedance

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

Investigation has been conducted for the exceedances. Neither muddy water nor abnormal activities contributed to deterioration of water quality were observed at all impact monitoring stations by ET's field staff during marine water quality monitoring. Mitigation measures including silt curtain at Seawall B and de-silting facilities were properly installed. Marine works were not being conducted during reporting period. In addition, high SS levels were recorded at the control stations. It was unlikely that the exceedances were attributed to the construction activities of the Project.

Notification of Summons and Successful Prosecution

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

Environmental Licences

No new environmental licence was granted during the reporting period.

1 Introduction

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

1.1 Project Background

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

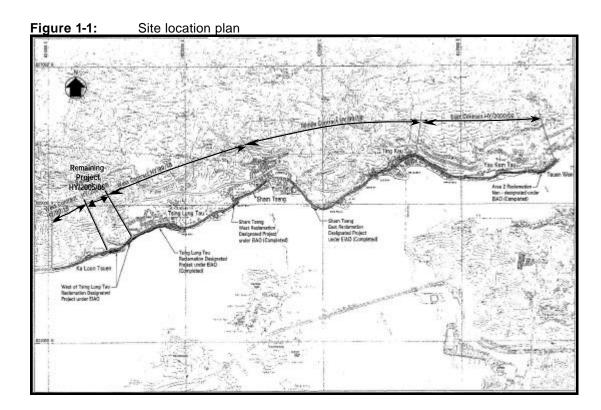
Prior to inviting tenders for Contract No. HY/99/18, a section of the proposed works, between Ch.1+800 and Ch.2+240, west of Tsing Lung Tau, was excised from the Project and entrusted to the Route 10 – North Lantau to Yuen Long Highway project. This 440m long section of CPR was located under the proposed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

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

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

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

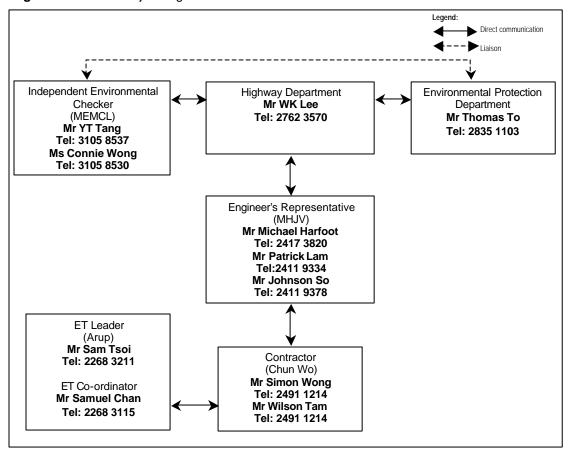
- The area of reclamation to the east of Grand Bay Villa is about 0.12 ha. The length of
 this part of the reclamation, measured parallel to the road, is about 107 m, and the
 maximum width, measured from the existing High Water Mark (HWM) to the proposed
 toe of the scour apron is about 16 m, of which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



1.2 Project Organisation

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

Figure 1-2: Project organisation chart



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

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

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

The duties of IEC include the followings:

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

1.3 Impact EM&A Requirements

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

1.4 Purpose of the Report

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

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

2 Scope of Construction Works

2.1 Construction Programme

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

2.2 Construction Activities of the Month

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

Construction of upper RC retaining wall and backfilling at Seawall A

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 January 2007 and the tentative schedule for February 2007 are attached in **Appendix B**.

3.1 Construction Noise

3.1.1 Monitoring Parameters

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

3.1.2 Monitoring Frequency

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

Table 3-1: Construction noise monitoring parameters and frequency

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

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

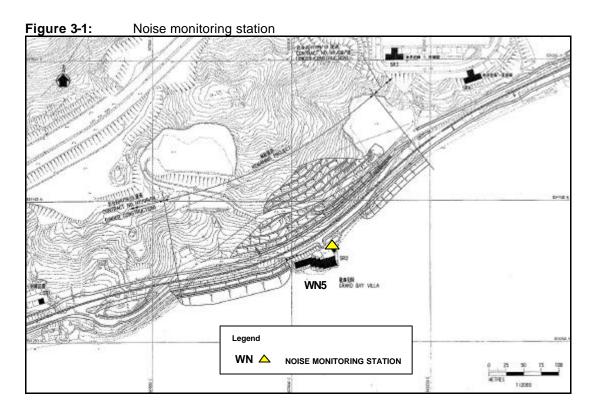
3.1.3 Monitoring Location

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

Table 3-2: Construction noise monitoring locations

Noise Monitoring Station No.		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

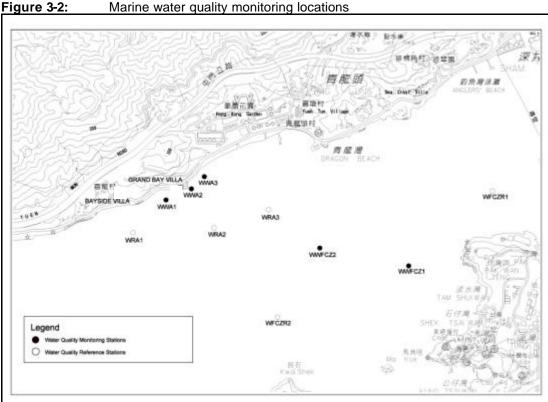
Impact marine water quality monitoring will be conducted three times per week, at mid-flood and mid-ebb tides and at 10 designated monitoring locations. The interval between two sets of monitoring will not be less than 36 hours.

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 33** and shown in **Figure 3-2**.

Table 3-3: Marine water quality monitoring locations

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



Performance Limits and Event and Action Plan 3.3

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

3.3.1 **Construction Noise**

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

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

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

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

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

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

3.3.2 Marine Water Quality

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

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

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

- Tier 1 Comparison of water quality monitoring data at Impact Stations with the A/L Levels (Table 3-6) established in the Baseline Monitoring Report. If the data comply with A/L Levels, go to Tier 2. Otherwise, non-compliance will be reported and Event and Action Plan will be triggered.
- Tier 2 Comparison of water quality monitoring data at Impact Stations with the Baseline Check Level (80% of average values of baseline check data collected at 10 monitoring locations for DO and 120% of average values of baseline check data collected at 10 monitoring locations for Tby and SS) (Table 37). If the impact water quality is better than Baseline Check Level, compliance will be reported. Otherwise, go to Tier 3.
- Tier 3 Comparison of water quality monitoring data at Impact Stations with the respective Control Stations. If the impact water quality is better than the respective Control Station, compliance will be reported. Otherwise, non-compliance will be reported and Event-Action Plan will be triggered for implementation of action based on exceedance of Action Level.

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

		Monitoring locations									
Parameters		ww	A1	ww.	A2	ww	A3	WWF	CZ1	WWF	CZ2
		Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Level
					Mid	-ebb					
DO	Surface & middle	3.5	3.5	3.5	3.4	3.4	3.3	5.0 *	5.0	5.0 *	5.0
(mg/L)	Bottom	3.4	3.4	3.4	3.3	3.4	3.2	3.7	2.0	3.6	2.0
-	Гby (NTU)	7.4	7.7	6.7	6.9	7.8	8.3	6.4	8.6	6.7	7.0
Ç	SS (mg/L)	25.3	26.0	22.2	23.1	24.6	25.2	26.3	30.3	22.6	22.9
					Mid-1	flood					
DO (750 57/L)	Surface & middle	3.3	3.3	3.4	3.3	3.5	3.3	5.0 *	5.0	5.0 *	5.0
(mg/L)	Bottom	3.2	3.2	3.2	3.2	3.2	3.2	3.3	2.0	3.5	2.0
Tby (NTU)		6.9	7.2	7.6	8.2	8.7	10.7	7.4	11.0	5.9	6.5
Ş	SS (mg/L)	24.1	24.3	23.5	23.6	22.3	23.5	24.4	25.8	27.4	28.0

Notes:

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

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

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

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

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

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

3.4 Site Inspection and Environmental Complaint Handling

3.4.1 Site Inspection Frequency and Areas Covered

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

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

3.4.2 Site Inspection Procedures

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

3.4.3 Environmental Complaints

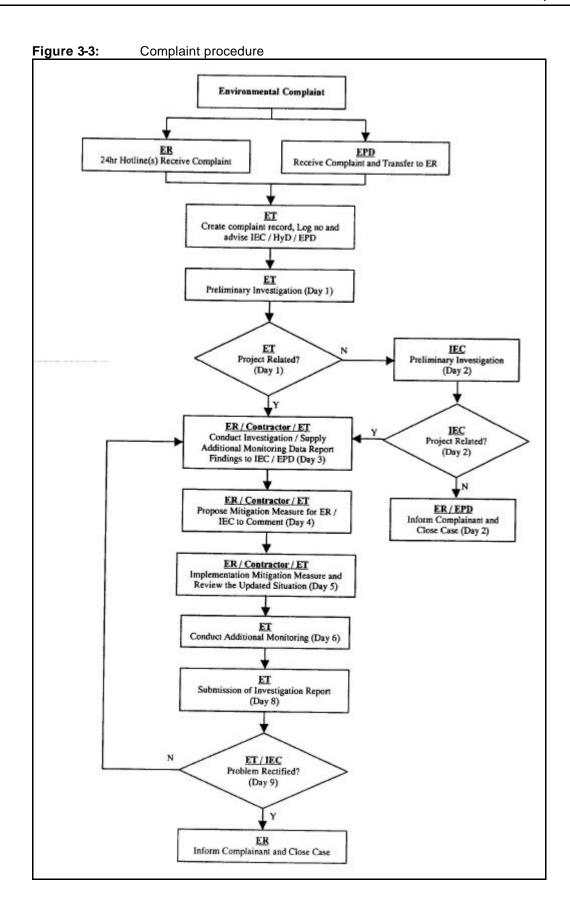
A 24-hour complaint hotline at 6277 7465 has been established for the Project. In accordance with the EM&A Manual, environmental complaints will be referred to the ET for initiation of the complaint investigation procedures. The ET will undertake the following procedures upon receipt of complaints:

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

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

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

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



4 Noise Monitoring

4.1 Monitoring Equipment

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

Table 5-1: Equipment list for construction noise monitoring

Equipment	Manufacturer & Model No.	Precision Grade	Qty.
Integrating sound level meter	Rion NA-27	IEC 651 Type 1	1
Windshield	Brüel & Kjær UA0237	IEC 804 Type 1	1
Acoustical calibrator	Brüel & Kjær 4226	120 004 Type 1	1
LCD wind speed indicator	Kestrel Vane Anemometer		1

4.2 Methodology

4.2.1 Occupancy Status of Grand Bay Villa

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

4.2.2 Field Measurement

- The sound level meter and battery were checked to ensure that they were in proper condition.
- The sound level meter was set on a tripod at 1.2m above ground and at 1m from the exterior of the building fac ade.
- Before conducting the measurement, the sound level meter was calibrated by an acoustical calibrator.
- The measurement parameter was set to A-weighted sound pressure level. The time weighting was set in fast response and the time period of measurement at 30 minutes.
- The wind speed was checked during noise monitoring to ensure the steady wind speed did not exceed 5m/s, or wind with gusts did not exceed 10m/s.
- Any abnormal conditions that generated intrusive noise during the measurement were recorded on the field record sheet.
- After each measurement, the equivalent continuous sound pressure level (L_{eq}), L₁₀ and L₉₀ were recorded on the field record sheet.
- The sound level meter was re-calibrated by the acoustical calibrator to confirm that there was no significant drift of reading.

4.2.3 Equipment Maintenance and Calibration

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

4.3 Results and Observations

4.3.1 Occupancy Status of Grand Bay Villa

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

5 Marine Water Quality Monitoring

5.1 Marine Water Quality Monitoring Equipment

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

Table 5-1: Marine water quality monitoring equipment

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

5.2 Methodology

5.2.1 DO, Temperature and Salinity Measuring Equipment

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

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

5.2.2 Tby Measurement Instrument

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

5.2.3 SS

The following equipment was used to monitor the SS:

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

5.2.4 Water Depth Detector

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

5.2.5 Location of the Monitoring Site

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

5.2.6 Calibration and Accuracy of Instrumentation

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

5.3 Results and Observations

5.3.1 Weather Conditions and Other Factors

No adverse weather conditions were recorded during the reporting period.

5.3.2 Summary of Results

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

Summary of Mid-Ebb Tide

The lowest DO level for surface & middle position of 5.49 mg/L were recorded at WWFCZ2 on 10 January 2007 and the lowest DO level for bottom position of 5.43 mg/L were recorded at WWA2 on 26 January 2007. There was no exceedance of DO level during reporting period when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

The highest depth-averaged Tby level of 7.6 Nephelometric Turbidity Unit (NTU) were recorded at WWFCZ2 on 06 January 2007. There was 1 exceedance of Tby Limit Level on 06 January 2007 when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

The highest SS level of 19.8 mg/L were recorded at WWFCZ2 on 08 January 2007. There were 7 exceedances of SS Baseline Check Criteria on 06, 08, 10 and 22 January 2007 when compared with the established baseline check criteria in Section 3.3 of this report.

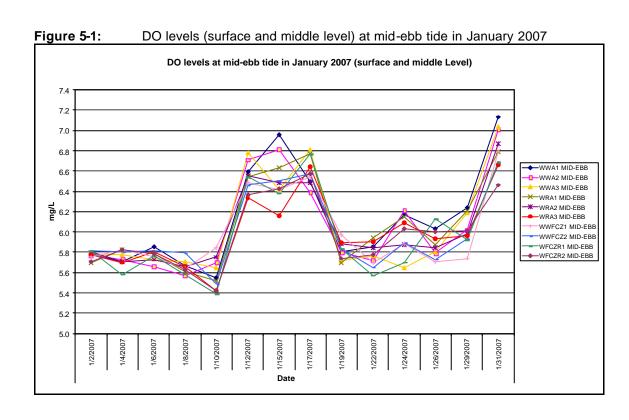
Summary of Mid-Flood Tide

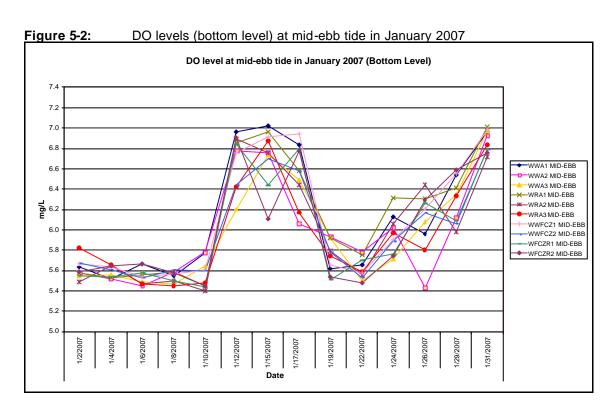
The lowest DO level for surface & middle position of 5.48 mg/L were recorded at WWA2 on 10 January 2007 and the lowest level for bottom position of 5.45 mg/L were recorded at WWA2 on 08 January 2007. There was no exceedance of DO levels during reporting period when compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

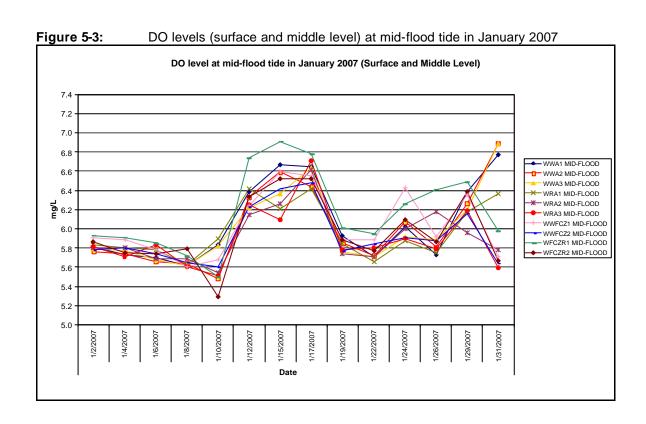
The highest depth-averaged Tby level of 7.0 NTU were recorded at WWFCZ2 on 06 January 2007. There was 1 exceedance of Tby Limit level on 06 January 2007 when

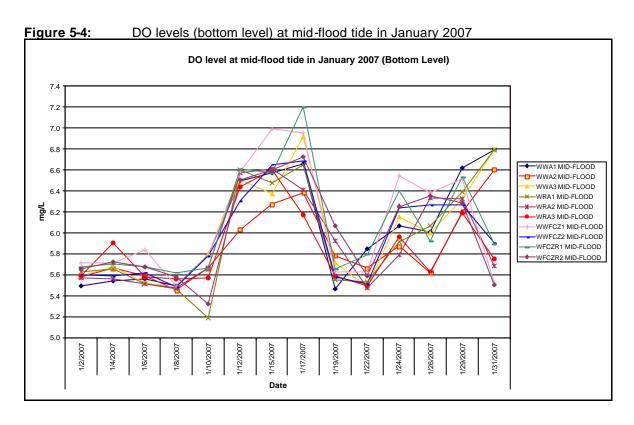
compared with the established A/L Levels and baseline check criteria in Section 3.3 of this report.

The highest SS level of 28.8 mg/L were recorded at WWFCZ1 on 31 January 2007. There were 1 exceedance of SS Baseline Check Criteria, 1 exceedance of SS Action and 1 exceedance of SS Limit Level on 04, 08 and 31 January 2007 respectively when compared with the established baseline check criteria in Section 3.3 of this report.



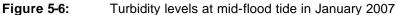


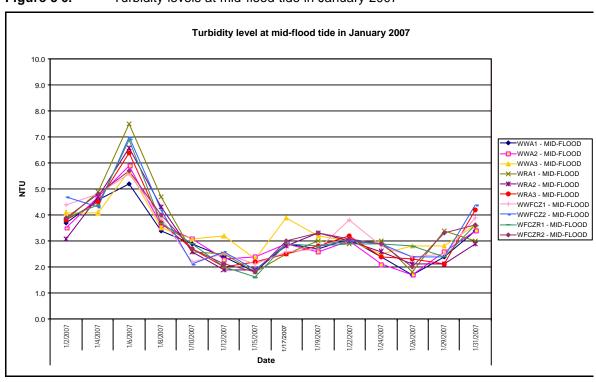




Turbidity level at mid-ebb tide in January 2007 10.0 9.0 8.0 7.0 ◆ WWA1 - MID-EBB - WWA2 - MID-EBB - WWA3 - MID-EBB WRA1 - MID-EBB WRA2 - MID-EBB 5.0 WRA3 - MID-EBB WWFCZ1 - MID-EBB 4.0 WWFCZ2 - MID-EBB WFCZR1 - MID-EBB ► WFCZR2 - MID-EBB 3.0 0.0 1/15/2007 Date

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





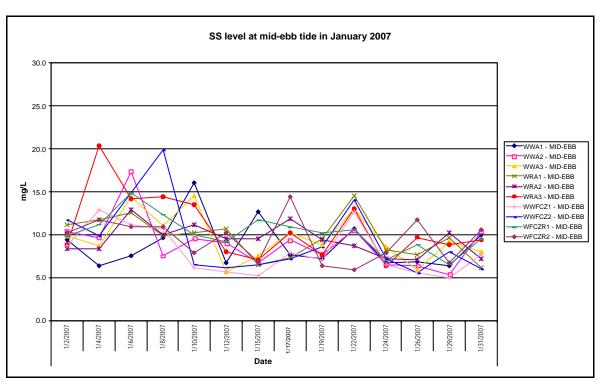
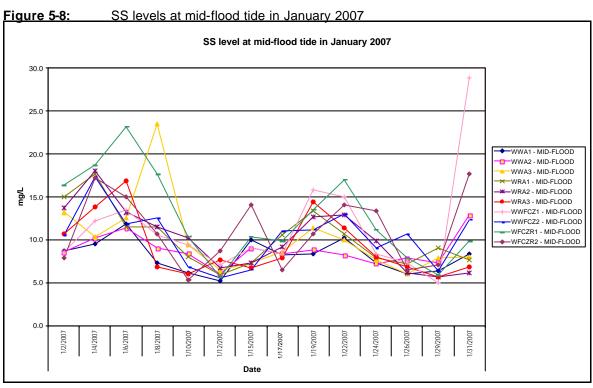


Figure 5-7: SS levels at mid-ebb tide in January 2007



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

6.1 Site Audit Findings

Four weekly environmental site audits were carried out on 04, 11, 19 and 25 January 2007. The findings of the site audits are summarised in **Table 6-1**.

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

Date of Issue Raised	Observation	Advice from EA	CT's Response	Closing Date
04 January 2007 (WTLT 050)	Diesel fuel drums were observed without driptrays at Slope A.	CT was reminded to provide driptrays to the oil drums.	Agreed with the ET's advice.	11 January 2007
	2. General refuse was observed along the flat channel at the bored piling site.	CT was reminded to clear the waste.	Agreed with the ET's advice.	11 January 2007
	Construction waste was observed below the trees near Seawall A.	Contractor was reminded to remove the waste immediately and put fence around the trees.	ET's advice.	01 February 2007
11 January 2007 (WTLT 051)	A compactor was not switch off while it was not in operation.	CT was reminded to switch off all vehicles and machines while they are not in operation.	ET's advice.	19 January 2007
	2. Construction waste was observed at Seawall A.	CT was reminded to clear the waste.	Agreed with the ET's advice.	19 January 2007
	3. Unpaved area at Seawall B was observed dry.	CT was reminded to provide water spraying frequently.	Agreed with the ET's advice.	19 January 2007
	4. Desilting tank was full of silt at bored piling site.	CT was reminded to clear the tank.	Agreed with the ET's advice.	19 January 2007
	5. Construction waste (cement) was observed at bored piling site.	CT was reminded to clear the waste.	Agreed with the ET's advice.	19 January 2007
19 January 2007 (WTLT 052)	Unpaved area was observed dry between site office and Seawall A.	CT was reminded to provide water spraying frequently.	Agreed with the ET's advice.	25 January 2007
	Construction waste was observed at upper section of Seawall A.	CT was reminded to clear the waste.	Agreed with the ET's advice.	25 January 2007
	3. Tree braches, which were cut-off, were observed at lower section of Seawall A and Grand Bay Villa.	CT was reminded to clear the waste.	Agreed with the ET's advice.	01 February 2007

Date of Issue Raised	Observation	Advice from EA	CT's Response	Closing Date
25 January 2007 (WTLT 053)	Construction waste was observed at the western end of the site.	CT was reminded to clear the waste.	Agreed with the ET's advice.	01 February 2007
	2. Unpaved area near Maeda's site office was dry.	CT was reminded to provide water spraying frequently.	Agreed with the ET's advice.	On-going
	3. Uncovered dump trucks were observed travelling between Sewall A and B.	Contractor was reminded to cover all transported materials on trucks.	Agreed with the ET's advice.	01 February 2007

6.2 Waste Disposal

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

Table 6-2: Waste disposal quantity in January 2007

Type of waste or material		Disposal at	No. of loads or quantities	
C&D waste		WENT Landfill	41.55 tonnes	
C&D material By truck		Public Filling Reception Facility in Tuen Mun Area 38	605 tonnes	
Chemical waste		Collected by licensed collector	0	

6.3 Complaint Record

There was no environmental complaint received in January 2007.

6.4 Exceedance

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

Investigation has been conducted for the exceedances. Neither muddy water nor abnormal activities contributed to deterioration of water quality were observed at all impact monitoring stations by ET's field staff during marine water quality monitoring. Mitigation measures including silt curtain at Seawall B and de-silting facilities were properly installed. Marine works were not being conducted during reporting period. In addition, high SS levels were recorded at the control stations. It was unlikely that the exceedances were attributed to the construction activities of the Project.

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

Table 6-3: Summary of exceedances of marine water quality monitoring not related to construction works of the Project in January 2007

		Location	Exceedances of monitoring data					
Date	Tide		Tby (NTU)			SS (mg/L)		
			Control Station	Impact Station	Exceedance of	Control Station	Impact Station	Exceedance of
04-Jan	Mid-flood	WWFCZ2	-	-	-	17.2	17.3	Baseline Check
06-Jan	Mid-ebb	WWA2	-	-	-	12.8	17.3	Baseline Check
06-Jan	Mid-ebb	WWA3	-	ı	-	14.2	14.3	Baseline Check
06-Jan	Mid-ebb	WWFCZ2	5.5	7.6	Limit Level	10.8	14.8	Baseline Check
06-Jan	Mid-flood	WWFCZ2	5.7	7.0	Limit Level	-	-	-
08-Jan	Mid-ebb	WWFCZ2	-	-	-	10.8	19.8	Baseline Check
08-Jan	Mid-flood	WWA3	-	-	-	6.8	23.5	Action Level
10-Jan	Mid-ebb	WWA1	-	-	-	10.2	16.0	Baseline Check
10-Jan	Mid-ebb	WWA3	-	-	-	13.5	14.5	Baseline Check
22-Jan	Mid-ebb	WWFCZ2	-	-	-	5.8	14.0	Baseline Check
31-Jan	Mid-flood	WWFCZ1	-	-	-	9.8	28.8	Limit Level

6.5 Notification of Summons and Successful Prosecution

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

6.6 Environmental Licenses

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

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

Type of Licence	Reference No.	Valid from	Valid to
Environmental Permit	EP-219/2005	20 Jun 2005	Not applicable
Registration of Chemical Waste Producer	5111-336-C2869-49	16 Feb 2006	Not applicable
Water Discharge Licence	EP760/336/011348 I	31 Mar 2006	31 Mar 2011
Construction Noise Permit	GW-RW 0654-06	14 Nov 2006	15 Mar 2007

7 Conclusions

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

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

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

Weekly environmental site audit was carried out during the reporting month. The major environmental concerns were related to air quality, water quality, waste management and chemical waste handling.

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

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Page		C retaining wall (Say 1-18)	70/26:06:06	15/28/06	Construct lower RC restaining well (Eay 1-18)
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Construction - West Side		10 mar 1 mar	Workstudgen brawnings
A04PP1022 Tomp Cut / Slope Stabilisatoin (Ch 2030-2100)	55 21/08/26	25/10/06	
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	30:31/01/07	12/03/07	(SURP) LIGHT CANCOL LIGHT (SURP)
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Stope Re-instalem	22 15/02/07	17/03/07	Value Good Performance Water
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Г	T. Odderstone	BOOK OF THE PARTY	
	20,000,000	22/02/06	Minital Setting up for Bored Pile Construction
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- Application	43,0202008	22/08/06	2.5 Dia Bored Pile Construction (Box 23)
1	31 30/05/08	05/07/05	2.5 Die Borgel Ple Construction (B01.27)
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		S Chical Acres St.	Castle	Science i
Primavera Systems, inc.			I AND DESCRIPTION OF STATE OF	

Appendix B
Monitoring schedule for January 2007 and February 2007

Environmental Monitoring and Audit Schedule - January 2007

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

L&V denotes Landscape and Visual audit and monitoring

			Jan-2007			
Sunday	Monday	Tuesday		Thursday	Friday	Saturday
		2	3	4	5	9
				Site Inspection		
		MW		MW		MW
7	80	6	10	11 Site Inspection	12	13
	MW		MW		MW	
14	15	16	14	18	19	20
					ole inspection	
	WWW		MA	-	MM	
21	22	23	24		26	27
				Site Inspection	ır	1
	W		WW		MM	
28	29	30	31			
	MW		MW			

Tentative Environmental Monitoring and Audit Schedule - February 2007

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

MW denotes marine water monitoring Note 3:

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

			Feb-2007			
Sunday	Monday	Tuesday	Г	Thursday	Friday	Saturday
				1 Site Inspection		8
4	LO.	9	7	8 Site Inspection	WW 6	10
			MANA		WW	
=	12 MW	13	14	15	16	17
		Site Inspection	900000 2000000			
18	19 MW	20	21 MW	22	23	24
25	26	27	MW 28		MW	
	MW		MW			

Appendix C
Calibration certificates of marine water monitoring equipment





Client

: OVE ARUP & PARTNERS H.K. LTD.

Address : Level 5 Festival Walk,

80 Tat Chee Avenue, Kowloon Tong, Kowloon.

Received Date

: 24/10/2006

Approved Signatory: Grace Ting

Remarks

Report No.

: CR 000076

Page No.

:1 of 5

Issue Date

: 02/11/2006

Completion Date

: 02/11/2006

Calibration Results:

ltem

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

Serial No.

02D1076 AB

Calibration Method : APHA 18e 2520 A & B

Date of Calibration : 02/11/2006

Results:

Salinity

Expected Reading (ppt)	Recorded Reading (ppt)
0	0
7.4	7.5
15	14.9
35	33.9
39.3	38.0

Approval Signatory:

Hong Kong

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

Head Office

Tel: (852) 2788 5678 • Fax: (852) 2786 5900 • Telex: 32842 HKPC HX

香港港部

香港尖沙咀郵政信箱99027號。香港九龍達之路78號生產力大樓



CALIBRATION REPORT

Client

; OVE ARUP & PARTNERS H.K. LTD.

Address : Level 5 Festival Walk,

80 Tat Chee Avenue, Kowloon Tong,

Kowloon.

Received Date

Approved Signatory: Grace Ting

Report No.

: CR 000076

Page No.

: 2 of 5

Issue Date

: 02/11/2006

: 24/10/2006

Completion Date

: 02/11/2006

Remarks

Calibration Results:

Item

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

Serial No.

02D1076AB

Calibration Method ; In house method

Date of Calibration : 02/11/2006

Results:

Temperature

Expected Reading (°C)	Recorded Reading (°C)
10.0	10.1
20.0	20.1
30.0	30.2
40.0	40.2

Approval Signatory:



IBRATION REPORT

Client

: OVE ARUP & PARTNERS H.K. LTD.

Address : Level 5 Festival Walk,

80 Tat Chee Avenue,

Kowloon Tong, Kowloon.

Received Date

: 24/10/2006

Completion Date

: 02/11/2006

Report No.

Page No.

Issue Date

: CR 000076

: 02/11/2006

: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 : 24/10/2006

Results:

Dissolved Oxygen

Expected Reading (mg/L)	Recorded Reading (mg/L)
2.50	2.45
3.55	3.77
5,35	5.21
6.50	7.10
7.60	8.12
8.60	8,60

Approval Signatory:



CALIBRATION REPORT

Client

: OVE ARUP & PARTNERS H.K. LTD.

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

Kowloon.

Received Date

: 24/10/2006

Completion Date

: 02/11/2006

Report No.

Page No.

Issue Date

: CR 000076

: 02/11/2006

: 4 of 5

Approved Signatory: Grace Ting Remarks

Calibration Results:

Item

: HACH 2100P Turbidimeter

Serial No.

: 011100024354

Calibration Method: APHA 18e 2130 B

Date of Calibration : 02/11/2006

Results:

Turbidity

Expected Reading (NTU)	Recorded Reading (NTU)
0	0.16
2	2.19
4	4.11
16	15.5
40	38.8
80	78.5

Approval Signatory:

Hong Kong **Head Office** 香港總部

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

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

香港尖沙咀郵政信箱99027號。香港九龍遠之路78號生產力大樓



Client

: OVE ARUP & PARTNERS H.K. LTD.

Report No.

: CR 000076

Address: Level 5 Festival Walk,

Page No.

: 5 of 5

80 Tat Chee Avenue,

Issue Date

: 02/11/2006

Kowloon Tong, Kowloon.

Received Date

: 24/10/2006

Completion Date

: 02/11/2006

Approved Signatory: Grace Ting Remarks

Calibration Results:

Item

: HANNA instrument HI 98128 membrane pH meter

Serial No.

1377140

Calibration Method : In house method

Date of Calibration : 24/10/2006

Results:

pΗ

Expected Reading (pH unit)	Recorded Reading (pH unit)
4.00	4.30
7.00	7.31
10.0	10.05

Approval Signatory:

Hong Kong

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

Head Office

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

香港總部

香港尖沙咀郵政信和99027號。香港九龍達之路78號生產力大樓



CALIBRATION REPORT

Client

: OVE ARUP & PARTNERS H.K. LTD.

Address : Level 5 Festival Walk,

80 Tat Chee Avenue, Kowloon Tong,

Kowloon.

Received Date

: 24/01/2007

Completion Date

: 25/01/2007

Report No.

Page No.

Issue Date

: CR 000077

: 01/02/2007

: 3 of 5

Approved Signatory: Fung Kam Wing

Remarks

Calibration Results:

Item

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

Serial No.

99 G0526 AB

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

Date of Calibration : 24/01/2007

Results:

Dissolved Oxygen

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

Approval Signatory:



Client

: OVE ARUP & PARTNERS H.K. LTD.

Address : Level 5 Festival Walk,

80 Tat Chee Avenue, Kowloon Tong,

Kowloon.

Received Date Approved Signatory: Fung Kam Wing

: 24/01/2007

Completion Date

: 25/01/2007

Report No.

Page No.

Issue Date

; CR 000077

: 01/02/2007

:5 of5

Remarks

Calibration Results:

Item

HANNA instrument HI 98128 membrane pH meter

Serial No.

1377140

Calibration Method : In house method

Date of Calibration : 24/01/2007

Results:

pН

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

Approval Signatory:

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

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

喬海尖沙咀郵政信頼99027號。喬港九龍溫之路78號生產力大槍 香酒制部



Appendix D

Marine water quality monitoring results



							-	r –			DO, %	00,%					NTU.		SS,
Lab		D#:	Tide	0		Water	Temp. °C	DO, mg/L,	DO, mg/L	i	saturation	saluration			Turbidity,	Turbidity,	Averaged	Suspended	Averaged
ID	Location		7.47.5	Sampling Date	Time	depth, m		(1)	(2)	DO, Average value	(1)	(2)	*	Salinity, ppt	NTU (1)	NTU (2)	Value	Solid, mg/L	Value
1	WWA1	S	MID-EBB	2-Jan-07	40.50		20.1	5,96	5,83		90.7	86.3	8.4	33.0	3.1	3,3		6,5	
2	WWA1	М	MID-EBB	2-Jan-07	12:58	6,70	20,0	5,77	5,56	5.78	87.4	85.0	8.4	33,1	3,7	3,1		11.0	
3	WWA1	В	MID-EBB	2-Jan-07			19.9	5,81	5,45	5.63	86.3	84_0	8.4	33,1	4.0	3,8	3,5	10.5	9,3
4	WWA2	S	MID-EBB	2-Jan-07			20,2	5.91	5.72		93.6	89.8	8.4	33.0	3.0	3,2		9,5	
5	WWA2	M	MID-EBB	2-Jan-07	12:45	7,20	20.2	5.86	5.59	5.77	86,7	85,2	8,4	33,1	4.0	3,8		12.5	
6	WWA2	В	MID-E8B	2-Jan-07	_		20.2	5,73	5.42	5.58	87.6	85.1	8.4	33,B	3_8	3,7	3,6	9.0	10,3
7	WWA3	S	MIO-EBB	Z-Jan-07			20.4	5.94	5.76		97,3	90,6	8.4	32,9	3.9	3,9		8.0	
8	WWA3	М	MID-EBB	2-Jan-07	12:30	6,50	20.3	5.83	5,60	5,78	87.8	86.6	8.4	33,1	4.1	4,2		9.5	
9	WWA3	В	MID-EBB	Z-Jan-07			20.2	5.67	5,43	5,55	89,2	85,0	8.4	32,8	4.6	4.7	4.2	12.0	9,8
10	WRA1	S	MID-EBB	2-Jan-07	40.40		20.0	5.82	5.69		90,0	87,2	8,4	32,9	4.2	4,0		8_0	
11	WRA1	M	MID-EBB	2-Jan-07	13:12	32,20	19.9	5.74	5,53	5,70	67.9	85,3	8.4	32,9	3,7	3,6		18.0	
12	WRA1	В	MID-EBB	2-Jan-07			19.9	5.65	5.50	5.58	88.4	85,3	8,4	33,1	3.5	3,4	3,7	7.5	11,2
13	WRA2	S	MID-EBB	2-Jan-07			20.1	5,95	5.78		92,6	88,6	8.4	33,1	2,8	2.7		8,5	
14	WRA2	M	MID-EBB	2-Jan-07	13:25	29,50	19.9	5.84	5,63	5,80	86,5	83.9	8.4	33,0	3.7	3,7		8.5	1
15	WRA2	В	MID-EBB	2-Jan-07			19.9	5.57	5,41	5.49	85,6	82,2	8.4	33.1	3,6	3,6	3,3	8.0	8.3
16	WRA3	s	MID-EBB	2-Јал-07			20.0	5,91	5.80		91.6	88,2	8,4	33,2	3.8	3,8		7.5	
17	WRA3	M	MID-EBB	2-Jan-07	13:38	28,10	20.0	5.76	5,59	5.77	87.3	85,9	8.4	33,0	4.9	4.8		11,0	
18	WRA3	В	MID-EBB	2-Jan-07			20.0	5,92	5.72	5.82	86,5	84.7	8.4	33,1	4.2	4.3	4.3	8_0	8,8
19	WWFCZ1	S	MID-EBB	2-Jan-07			20.0	5.96	5,78		91.1	87,6	8.4	33.1	4.4	4,4		7.0	
	WWFCZ1	M	MID-EBB	2-Jan-07	14 23	40_90	20.0	5.72	5,55	5,75	89.2	86,5	8.4	33,1	5.3	5,1		7.5	1
	WWFCZ1	В	MID-EBB	2-Jan-07			19.8	5,83	5.49	5.66	87.4	83,9	8.4	33,0	4.8	4.7	4_8	11.5	8.7
	WWFCZ2	S	MID-EBB	2-Jan-07			20.0	5.98	5.85		96.2	92,1	8.4	33.1	4.2	4.1		11.0	
	WWFCZ2	M	MID-EBB	2-Jan-07	14:08	40,50	20.0	5.81	5,60	5,81	89.2	85,6	8.4	33,0	5_4	5.2	1	13.0	1
	WWFCZ2	В	MID-EBB	2-Jan-07			20.0	5.75	5.58	5,67	87.4	84.3	8.4	33,1	4.5	4.4	4.6	11.0	11.7
	WFCZR1	S	MID-EBB	2-Jan-07	00000		20.0	5.94	5.82		92,6	88,7	8,4	33,1	3,5	3,5		11.0	
	WFCZR1	М	MID-EBB	2-Jan-07	14:37	39,20	20.0	5.86	5.61	5,81	87.0	84,9	8,4	33.1	4,9	4.8		9,0	i .
	WFCZR1	В	MID-EBB	2-Jan-07			20.0	5,67	5.42	5,55	88.2	85,9	8.4	33.1	4.4	4.4	4.3	9,5	9.8
	WFCZR2	S	MID-EBB	2-Jan-07			19.9	5.91	5.73		91.6	87.0	8.4	33.2	3.5	3.5		8,5	
	WFCZR2	M	MID-EBB	2-Jan-07	13:52	40.70	20.0	5,60	5.59	5.71	88.5	86,0	8.4	33,1	4,3	4.5		7.0	
30	WFCZR2	В	MID-EBB	2-Jan-07			20.0	5,66	5.51	5,59	87.8	83.3	8,4	33.1	4.4	4,3	4.0	15.0	10.2
31	WWA1	S	MID-FLOOD	2-Jan-07			20,1	5,93	5.73		92.9	89,5	8.4	33.1	3,3	3.5		5.5	
32	WWA1	M	MID-FLOOD	2-Jan-07	9:27	7.20	20.1	5.87	5.72	5.81	87.0	85.3	8.4	33.1	3.5	3,5		11.0	
33	WWA1	В	MID-FLOOD	2-Jan-07			20.1	5,56	5.42	5,49	86.7	83,3	8.4	33.1	4,2	4.1	3.7	9,5	8.7
34	WWA2	S	MID-FLOOD	2-Jan-07			20.1	5,95	5.82		91.3	87.8	8.4	33.0	3,2	3,4		6.5	
35	WWA2	M	MID-FLOOD	2-Jan-07	9:13	7.80	20.1	5,74	5.52	5.76	87,4	84.6	8.4	33.1	3.9	3,8		8.0	
36	WWA2	В	MID-FLOOD	2-Jan-07			20.1	5,68	5.47	5,58	86.3	84.0	8.4	33.0	3.5	3,4	3.5	11.0	8,5
37	WWA3	S	MID-FLOOD	2-Jan-07		0.70	20.1	5,91	5.74		89.8	85.6	8.4	33.2	4.2	4.1		14.5	
38	WWA3	M	MID-FLOOD	2-Jan-07	9:00	6.70	20,1	5,83	5.66	5.79	87.9	84.3	8.4	33.1	3,6	3,5		12.5	
39	WWA3	В	MID-FLOOD	2-Jan-07			20.2	5,76	5.42	5,59	86.5	83.6	8.4	33.1	4.5	4.5	4.1	12.5	13.2
40	WRA1	S	MID-FLOOD	2-Jan-07	0.40	00.00	20.1	5,93	5.82		91.9	86.2	8.4	33.1	4.2	4.2		9.0	
41	WRA1	М	MID-FLOOD	2-Jan-07	9.40	32.90	20.1	5,86	5.69	5.83	86.8	84.2	8,4	33.1	3,9	3,8		17.5	6.2
42	WRA1	В	MID-FLOOD	2-Jan-07	_		20.1	5.74	5,52	5.63	87.0	83,6	8,4	33,0	3,5	3,4	3,8	18,5	15.0
43	WRA2	S	MID-FLOOD	2-Jan-07			20.1	5.98	5.80		95.7	90.9	8,4	33.1	3,2	3,2		15,0	
44	WRA2	M	MID-FLOOD	2-Jan-07	9;53	31.20	20.1	5,73	5.67	5,80	88.6	86.3	8.4	33.1	2.9	2.8		12.0	
45	WRA2	В	MID-FLOOD	2-Jan-07			20.0	5,61	5,53	5,57	87.9	85.4	8.4	33.1	3,2	3.4	3.1	14.0	13.7

G tent/project/24583 env_data marine impact Data Evaluation monthly/

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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	2-Jan-07			20.1	5.92	5.76		89.8	85.2	8.4	33.1	3.7	3.7		10.0	
47	WRA3	M	MID-FLOOD	2-Jan-07	10:09	29.20	20.1	5.89	5.65	5.81	87.6	84.7	8.4	33.1	3.8	3.9		12.0	ı
48	WRA3	В	MID-FLOOD	2-Jan-07			20.1	5.73	5.44	5,59	86.5	86.4	8.4	33.1	3.9	4.1	3.8	10.0	10.7
49	WWFCZ1	S	MID-FLOOD	2-Jan-07			20.1	6.01	5.93		92.7	89.9	8.4	33.0	4.4	4.5		5.5	
50	WWFCZ1	M	MID-FLOOD	2-Jan-07	10:53	41.20	20.0	5.97	5.73	5.91	87.5	84.9	8.4	33.2	4.0	4.2		9.0	í
51	WWFCZ1	В	MID-FLOOD	2-Jan-07			20.0	5.80	5.62	5.71	86.3	85.1	8.4	33.1	4.6	4.6	4.4	11.0	8.5
52	WWFCZ2	S	MID-FLOOD	2-Jan-07	/oeom	A0000000000	20.1	5.99	5.86		95.2	90.0	8.4	33.1	4.2	4.2		6.5	
53	WWFCZ2	M	MID-FLOOD	2-Jan-07	10:38	40.90	20.1	5.78	5,50	5,78	88.0	85.4	8.4	33.1	5.1	5.1		11.0	1
54	WWFCZ2	В	MID-FLOOD	2-Jan-07			20.1	5.70	5.49	5.60	87.2	83.9	8.4	33.1	4.8	4.8	4.7	14.0	10.5
55	WFCZR1	S	MID-FLOOD	2-Jan-07		7 43	20.7	6.12	6.01		98.9	90.4	8.4	32.5	3.9	3.8		17.5	
56	WFCZR1	M	MID-FLOOD	2-Jan-07	11:08	40.30	20.4	5.88	5.72	5.93	93.2	89.7	8.4	33.0	3.9	3.6		15.5	
57	WFCZR1	В	MID-FLOOD	2-Jan-07		1	20.2	5.76	5.58	5.67	91.6	89.2	8.4	33.1	4,3	4.2	3.9	16.0	16.3
58	WFCZR2	S	MID-FLOOD	2-Jan-07			20.1	6.01	5.92		90.5	87.3	8.4	33.1	3.8	3.7		6.0	1.0.0
59	WFCZR2	M	MID-FLOOD	2-Jan-07	10:24	41.10	20.1	5.84	5.68	5.86	87.8	85.8	8.4	33.0	3.5	3.6		6.5	1
60	WFCZR2	В	MID-FLOOD	2-Jan-07	588411.92	100000000000000000000000000000000000000	20.1	5.74	5.56	5.65	88.2	86.0	8.4	33.0	4.5	4.5	3.9	11.0	7.8
61	WWA1	S	MID-EBB	4-Jan-07			20.3	5.79	5.64		88.6	85.2	8.2	32.3	3.5	3.6	- 0,0	6.5	1,0
62	WWA1	M	MID-EBB	4-Jan-07	14:29	6.50	20.3	5.90	5.49	5.71	87.6	85.4	8.2	32.5	5.7	5.7		5.0	1
63	WWA1	В	MID-EBB	4-Jan-07	A SUMME	32550	20.1	5.58	5.46	5.52	87.0	83.5	8.2	32.4	5.5	5.5	4.9	7.5	6.3
64	WWA2	S	MID-EBB	4-Jan-07			20.5	5.92	5.73		92.0	86.5	8.2	32.5	4.8	4.6	4.0	7.5	0.0
65	WWA2	M	MID-EBB	4-Jan-07	14:13	6.90	20.4	5.79	5.48	5.73	87.8	85.2	8.2	32.5	4.7	4.8		8.0	
66	WWA2	В	MID-EBB	4-Jan-07	20270.5	1876.5	20.5	5.63	5.40	5.52	88.3	84.9	8.2	32.5	4.4	4.6	4.6	13.5	9.7
67	WWA3	S	MID-EBB	4-Jan-07			20.7	5.95	5.79	0,02	94.6	92.8	8.2	32.3	4.6	4.7	4.0	5.0	W.f
68	WWA3	M	MID-EBB	4-Jan-07	14:00	6.40	20.5	5.76	5.56	5.77	89.3	86.9	8.2	32.3	3.7	3.7		5.5	1
69	WWA3	В	MID-EBB	4-Jan-07			20.5	5.66	5,45	5.56	87.7	84.8	8.2	32.5	3,6	3.7	4.0	15.5	8.7
70	WRA1	S	MID-EBB	4-Jan-07			20.1	5.96	5.74	0.00	91,5	86.9	8.2	32.2	4.2	4.3	4.0	6.0	:0:7:
71	WRA1	M	MID-EBB	4-Jan-07	14:45	31.80	20.4	5.87	5.69	5.82	87.3	85.0	8.2	32.5	6.5	6.3		11.5	
72	WRA1	B	MID-EBB	4-Jan-07	14.45	31.00	20.4	5.63	5.42	5.53	85.7	82.9	8.2	32.5	4.7	4.8	5.1	17.5	***
73	WRA2	S	MID-EBB	4-Jan-07			20.4	5.86	5.74	5,53	89.2	87.4	8.2	32.3	4.0	4.0	5.1		11.7
74	WRA2	M	MID-EBB	4-Jan-07	15:01	29.10	20.4	5.83	5.41	5.71	87.2		8.2		6.3	6.1		7.0	l .
75	WRA2	B	MID-EBB	4-Jan-07	10.01	20,10	20.6	5.75	5.52	5.64		86.3		32.3			200	9.0	102020
76	WRA3	S	MID-EBB	4-Jan-07				5.94	5.69	5.04	88.1	85.6	8.2	32.3	3.7	3.6	4.7	9.0	8.3
77	WRA3	M	MID-EBB	4-Jan-07	15:17	27,50	20.6				93.6	90.1	8.2	32.3	4.8	4.9		23.5	
78	WRA3	B	MID-EBB		15.17	27.50	20.5	5,75	5.42	5.70	87.9	85.3	8.2	32,4	4.2	4.3	79727	19.0	1930,000
79				4-Jan-07	_		20.4	5.86	5.44	5.65	88.5	83.9	8,2	32.3	4.3	4.2	4.4	18.5	20.3
	WWFCZ1	s	MID-EBB	4-Jan-07			20.7	5.95	5.78		93.9	89.2	8.2	32.2	4.8	4.7		16.0	
	WWFCZ1	M	MID-EBB	4-Jan-07	15:58	40.20	20.5	5.83	5.71	5.82	87.6	84.0	8.2	32.5	4.7	4.5	19.05	12.0	_000
	WWFCZ1	В	MID-EBB	4-Jan-07			20.4	5,79	5.46	5.63	87.2	84.7	8.2	32.5	7.0	6.8	5.4	10,5	12.8
	WWFCZ2	S	MID-EBB	4-Jan-07			20.6	5,91	5.80		90.5	87.3	8.2	32.2	3,3	3.4		13.0	
	WWFCZ2	М	MID-EBB	4-Jan-07	15:44	39,50	20.5	5.85	5.62	5.80	87.6	84.8	8.2	32.3	4.5	4.4		5.0	
84	WWFCZ2	В	MID-EBB	4-Jan-07			20.5	5.79	5.43	5.61	86.3	84.5	8.2	32.3	4.9	4.8	4.2	11.5	8.8
85	WFCZR1	S	MID-EBB	4-Jan-07		#500 PD - 1	20.9	5,78	5.49		92.6	87.5	8.2	32.1	3.6	3.7		5.5	
86	WFCZR1	M	MID-EBB	4-Jan-07	16:09	38,40	20.5	5.67	5.39	5.58	89.6	87.3	8.2	32.5	5.2	5.2		12.0	
_	WFCZR1	В	MID-EBB	4-Jan-07			20.5	5.63	5.45	5,54	88.3	86.0	8.2	32.4	6.2	6.2	5.0	16.0	11.2
88	WFCZR2	S	MID-EBB	4-Jan-07	CHARLES.	22.000.000	20.4	5,97	5.82		93.6	90.7	8.2	32.2	4.3	4.4		12.5	
89	WFCZR2	M	MID-EBB	4-Jan-07	15:30	40.80	20.6	5.85	5.64	5.82	88.2	85.6	8.2	32.3	4.3	4.5		9.0	Ĩ

70							Temp.				DO %	DO, %			Turbidity,	Turbidity.	NTU, Averaged	Suspended	SS, Average
ab ID	Location	Position	Tide	Sampling Date	Time	Water depth, m	°C	DO, mg/L (1)	DO, mg/L (2)	DO, Average value	saturation (1)	saturation (2)	pH, Unit	Salinity, ppt	NTU (1)	NTU (2)	Value	Solid, mg/L	Value
90	WFCZR2	В	MID-EBB	4-Jan-07			20.5	5.72	5,56	5.64	86.3	83.2	B.2	32.4	5.1	5.0	4.6	13.5	11.7
91	WWA1	S	MID-FLOOD	4-Jan-07			19.7	5.85	5,71		89,3	87,6	8.4	32,8	3,8	3.9		10,5	
92	WWA1	M	MID-FLOOD	4-Jan-07	9:25	6,80	19.4	5.75	5.59	5,73	87.3	85.2	8.4	33.0	4.7	4.8		7,5	į.
93	WWA1	В	MID-FLOOD	4-Jan-07			19.4	5.65	5,42	5,54	86.8	84.1	8.4	33.1	5,2	5.4	4.6	10.5	9,5
94	WWA2	S	MID-FLOOD	4-Јап-07			19.8	5.94	5.79		93,6	91.2	8.4	33.0	5,0	4.8		7.5	
95	WWA2	M	MID-FLOOD	4-Jan-07	9:12	7.10	19.7	5.70	5.53	5.74	87.4	84.3	6.4	33.0	4.5	4.6		13.0	i .
96	WWA2	В	MID-FLOOD	4-Jan-07	20		19.6	5.78	5,54	5.66	86.5	83.0	6.4	32.8	4.5	4.8	4.7	10.0	10.2
97	WWA3	S	MID-FLOOD	4-Jan-07			19.4	5.86	5.53		89.4	86.9	8.4	33.0	4.B	4.8		6.0	
98	WWA3	M	MID-FLOOD	4-Jan-07	9:00	6.70	19.4	5.96	5.72	5.77	87.8	85,9	8.4	32.9	3,8	3.7		16,5	ı
99	WWA3	В	MID-FLOOD	4-Jan-07		3.5	19.2	5.80	5,54	5.67	86.3	84.0	8.4	33.0	3.7	3.8	4.1	8.5	10,3
100	WRA1	S	MID-FLOOD	4-Jan-07			19.5	5.94	5.76		91.9	87.3	8.4	33.1	4,3	4.4		11.0	
101	WRA1	M	MID-FLOOD	4-Jan-07	9:40	32.10	19.8	5.83	5.65	5.80	89.8	84.5	8.4	32.8	5.3	5.4		19.5	i
102	WRA1	В	MID-FLOOD	4-Jan-07			19.4	5.78	5.51	5,65	86.7	84.1	8.4	33.4	5.2	5.2	4.9	22.5	17.
103	WRA2	S	MID-FLOOD	4-Jan-07	_		19.4	5.98	5.80		98.6	89.9	8.4	33.3	4.1	4.3		21.0	
104	WRA2	M	MID-FLOOD	4-Jan-07	9:53	30.50	19.7	5.83	5.60	5.80	87.6	84.8	8.4	33.0	6.0	5.8		16.5	ĺ
105	WRA2	В	MID-FLOOD	4-Jan-07	1,		19.6	5,69	5.42	5,56	87.2	83.5	8.4	33.0	3.9	3.9	4.7	16.5	18.
106	WRA3	S	MID-FLOOD	4-Jan-07			19.5	5.87	5,70		92.1	88.4	8.4	32.9	4.7	4.9		7.5	
07	WRA3	M	MID-FLOOD	4-Jan-07	10:08	28.30	19.7	5.77	5.50	5.71	88.7	87.4	8.4	33.0	4.2	4.2		15.0	1
08	WRA3	В	MID-FLOOD	4-Jan-07	10.00	20,02	19.7	5.94	5.86	5,90	87.2	85,6	8.4	32.7	4.5	4.6	4.5	19.0	13,
09	WWFCZ1	S	MID-FLOOD	4-Jan-07	_		19.7	6.01	5.92	5,00	99.4	95.6	8.4	32.6	4,6	4.6	- 10-	11.0	
	WWFCZ1	M	MID-FLOOD	4-Jan-07	10:47	40.80	19.7	5.89	5.70	5.88	89.6	87.3	8.4	33.0	4.5	4.9	Ī	13.5	í
110	WWFCZ1	B	MID-FLOOD	4-Jan-07	10.71	40.00	19.8	5.85	5,56	5.71	86.5	83.8	8.4	32.8	5.2	5.3	4.8	12.0	12.
112	WWFCZ2	S	MID-FLOOD	4-Jan-07	-		19.7	5.92	5.74	0,71	94.3	88.6	8.4	33.1	3.9	4.1		10.5	
113	WWFCZ2	M	MID-FLOOD	4-Jan-07	10:34	40.70	19.7	5.83	5,69	5,80	87.8	85.2	8.4	33,0	4.3	4.4		22.0	1
	WWFCZ2		MID-FLOOD	4-Jan-07	10,04	40.10	19.4	5.71	5,46	5.59	87.7	85.4	8.4	33.2	4.6	4.5	4.3	19.5	17.
114	WFCZR1	S	MID-FLOOD	4-Jan-07	_		20.2	6.05	5.95	5,56	102.3	93.9	8.4	32.8	4.0	3,9	7.0	16.0	
	WFCZR1	M	MID-FLOOD	4-Jan-07	11:00	39.20	19.8	5.90	5.73	5,91	90.0	87.6	8.4	33.1	4.2	4.1		20.5	1
116	WFCZR1	B	MID-FLOOD	4-Jan-07	11.00	35 24	19.7	5.82	5.57	5.70	86.5	84.9	8.4	33.2	5.2	5.1	4.4	19.5	18.
117	WFCZR2		MID-FLOOD	4-Jan-07	_		19.4	5.91	5.71	3.10	98.2	91.9	8.4	33.2	5.0	4.9		12.0	14.
118	WFCZR2		MID-FLOOD	4-Jan-07	10:20	41.10	19.8	5.79	5.60	5.75	88.3	85.6	8.4	32,9	4.4	4.5		21.0	1
119			MID-FLOOD	4-Jan-07	10.20	41.70	19.8	5.88	5,56	5,72	87.3	83.8	8.4	32.9	5.1	5.1	4.8	18.5	17.
120	WFCZR2	S	MID-FEOOL	6-Jan-07	_	_	19.6	5.92	5,96	3,12	93.9	89.3	8,4	32.9	5.1	5.1	4,6	9.0	
121	WWAT	M	MID-EBB	6-Jan-07	14:57	6,50	19.7	5.84	5.69	5.85	88.5	84.4	8.4	32.B	5.1	5.0	1	7,5	
122	WWA1	В	MID-EBB	6-Jan-07	14,31	0,50	19.5	5.75	5,56	5,66	87.2	83.7	B.4	33.0	6.5	6.4	5.5	6.0	7.5
123		S	MID-EBB	6-Jan-07	-	-	19.5	5.84	5.67	3,00	88.0	85.5	8.4	32.9	5.4	5.4	0.0	17.5	7.5
124	WWA2	M	MID-EBB		14:44	6.60	19.5	5.68	5.45	5.66	86.6	83.B	8.4	32.9	8.2	8.1	ł	16.5	1
25	WWA2			6-Jan-07	14.44	0.00	19.0	5,49	5.40	5.45	86.9	83.3	8.4	33.1	7.3	7.3	6.9	16.0	17.
26	WWA2	В	MID-EBB	6-Jan-07	_				5.72	3.43	91.9	88.0	8.4	32.9	5.1	5.3	0.0	12.0	
27	WWA3	S	MID-EBB	6-Jan-07	14:30	6.70	19.4	5.96	5.72	5.73	87.3	84.5	8.4	33.1	7.3	7.0		15.5	
128	WWA3	M	MID-EBB	6-Jan-07	14:30	0,70	19.3		5.46	5,73	86.9	83.2	8.4	32.9	7.2	6.9	6.5	15.5	14.
129	WWA3	В	MID-EBB	6-Jan-07			19.3	5,55	5.42	5,48		88.2	8.5	32,9	6.5	6.4	0,0	14.5	14.
130	WRA1	S	MID-EBB	6-Jan-07	45.00	22.20	19,5	5.98			91.1		8.5		8.2	8.1		12.0	1
131	WRA1	M	MID-EBB	6-Jan-07	15:08	15:08 32.20 19	19.4	5.76	5,52	5,78 5.56	87,6	85.0 83.7		33.1	8.2	8.2	7.6	11.0	12.
132	WRA1	В	MID-EBB	6-Jan-07			19.4	5.65	5.46	0.56	86.7		8,5	33.0		6.9	7,0	12.5	12,
133	WRA2	S	MID-EBB	6-Jan-07			19,5	5.93	5,68		92.0	90.0	8.5	33.0	7.1	0.9	1	12.5	1

G: env-project/24583-env_data marite impact/Data Evaluation-monthly/

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							Temp.	Ī.,			DO, %	00,%			Turbidily.	Turbidity.	NTU, Averaged	Suspended	SS, Averaged
Lab	Location	Position	Tide	Sampling Date	Time	Water depth, m	°C .	DO, mg/L (1)	DO, mg/L (2)	DO, Average value	saturation (1)	saturation (2)	pH, Unit	Salinity, ppt	NTU (1)	NTU (2)	Value	Solid, mg/L	Value
134	WRA2	M	MID-EBB	6-Jan-07	15:23	31.10	19.4	5.72	5.58	5.73	87.6	85.3	8.5	32.9	6,3	6.2		12.0	
135	WRA2	В	MID-EBB	6-Jan-07			19.2	5.54	5.40	5.47	86.6	83.9	8.5	32.9	8.2	8.1	7.1	14.0	12.8
136	WRA3	S	MID-EBB	6-Jan-07	-		19.8	5.95	5.74		92.9	89.1	8.5	32.9	5.1	5.2		10.0	
137	WRA3	M	MID-EBB	6-Jan-07	15:38	29.50	19.5	5.83	5.69	5,80	87.5	83.6	8.5	33.0	6.4	6.3		16.0	1
138	WRA3	В	MID-EBB	6-Jan-07			19.5	5.56	5.37	5,47	86.2	83,6	8.5	32,9	7.0	6,9	6.1	16.5	14.2
139	WWFCZ1	S	MID-EBB	6-Jan-07			19.5	5.90	5.74		89.5	86.3	B.4	32,6	4.2	4.3		7.5	
140	WWFCZ1	M	MID-EBB	6-Jan-07	16:20	40.80	19.5	5.80	5,57	5.75	87.0	83.5	8.4	32.9	6.2	6,2		11.0	
141	WWFCZ1	В	MID-EBB	6-Jan-07			19,4	5,66	5.41	5.54	86.2	85_3	8.4	33.0	6.2	6.0	5.5	15.0	11.2
142	WWFCZ2	S	MID-EBB	6-Jan-07			19.6	5.96	5,83		93.2	88.2	8.4	32,9	6.1	6.0		18.5	
143	WWFCZ2	M	MID-EBB	6-Jan-07	16:06	40.50	19.6	5.79	5,64	5,81	87.3	83.0	8.4	33,0	8.2	7.8		13,5	1
144	WWFCZ2	В	MID-EBB	6-Jan-07	-		19.6	5.61	5.44	5.53	B6.0	84.0	8.4	33,0	8,8	8.5	7.6	12.5	14.8
145	WFCZR1	S	MID-EBB	6-Jan-07			19.5	5.82	5,66		91.3	87.5	8.4	29.7	6.2	6.0		14.5	
146	WFCZR1	M	MID-EBB	6-Jan-07	16:34	39,60	19.4	5,89	5,68	5.76	89.3	86.0	8.4	32.9	7.4	7.3		10,5	J
147	WFCZR1	В	MID-EBB	6-Jan-07			19.4	5.62	5,53	5,58	85.3	84.2	8,4	33,0	7.6	7,5	7.0	19.5	14.8
148	WFCZR2	S	MID-EBB	6-Jan-07			19.1	5.89	5,65		90,6	88.5	8.4	33.2	4.9	4,9		13.0	
149	WFCZR2	М	MID-EBB	6-Jan-07	15:52	41.20	19.4	5.72	5.84	5.78	86.9	83.7	8.4	33.0	5.9	5,8		10,0	1
150	WFCZR2	В	MID-EBB	6-Jan-07	1		19.5	5.81	5.50	5,66	86.5	83.6	8.4	32.9	5_8	5,6	5,5	9,5	10.8
151	VVVVA1	S	MID-FLOOD	6-Jan-07			19.6	5.89	5,66		95.0	91.6	8.4	32.7	5.0	4,9		13,5	
152	WWA1	M	MID-FLOOD	6-Jan-07	10:27	6.70	19.2	5.73	5,50	5.70	87.8	84.2	8.4	32.6	4.5	4.4		11.0	
153	WWA1	В	MID-FLOOD	6-Jan-07	1		19.2	5.64	5.48	5,56	86.6	83.8	8.4	32.8	6.0	6.1	5.2	11.0	11.8
154	WWA2	S	MID-FLOOD	6-Jan-07			19.0	5.81	5.63		88.5	87.6	8.4	33.1	5.2	5.4		8.5	
155	WWA2	М	MID-FLOOD	6-Jan-07	10:13	6,90	19.0	5,68	5,51	5,66	87.9	85.4	8.4	33.0	6.2	6.1		14_0	
156	WWA2	В	MID-FLOOD	6-Jan-07	1		19.2	5.74	5.43	5,59	86.0	84.3	8.4	32.8	6.5	6.2	5.9	11.5	11.3
157	WWA3	S	MID-FLOOD	6-Jan-07			19.0	5.88	5,61		89,7	86,5	8.4	33.4	5.2	5.1		7.5	
158	WWA3	M	MID-FLOOD	6-Jan-07	10:00	6.80	19.1	5.67	5.54	5.68	87.6	85.8	8.4	32.8	5.9	5.7		12.5	
159	VVVVA3	В	MID-FLOOD	6-Jan-07	1		18.9	5,63	5.40	5.52	86.7	83.4	8.4	32.9	6.2	6.3	5.7	17.5	12.5
160	WRA1	S	MID-FLOOD	6-Jan-07			19.3	5,97	5.89		92.6	89.5	8.4	32.8	6.3	6.4		7.0	
161	WRA1	M	MID-FLOOD	6-Jan-07	10:41	32.50	19.5	5.70	5,58	5.78	87.3	84.9	8.4	32.8	7.9	7.6		11.0	
162	WRA1	В	MID-FLOOD	6-Jan-07	1		19.4	5.65	5.37	5,51	86,6	84.3	8.4	32.8	8.5	8,5	7.5	16.5	11.5
163	WRA2	S	MID-FLOOD	6-Jan-07			19.4	5.82	5.69		87.6	85.5	8.4	32.9	6,3	6.4		14.0	-
164	WRA2	M	MID-FLOOD	6-Jan-07	10:55	31.30	19.3	5.72	5.53	5.69	88.6	88.5	8.4	32.9	6.3	6.4		9.0	1
165	WRA2	В	MID-FLOOD	6-Jan-07	1		19.2	5.60	5.42	5,51	87.0	84.9	8.4	32.8	7.2	7.1	6.6	16.5	13.2
166	WRA3	Ŝ	MID-FLOOD	6-Jan-07			19.1	5.99	5.93		102.6	97.6	8.4	32.9	5.8	5,6		12,5	
167	WRA3	M	MID-FLOOD	6-Jan-07	11:08	29,70	19.4	5.82	5,56	5.83	92.8	88.5	8.4	32.8	6.6	6.4		21.5	
168	WRA3	В	MID-FLOOD	6-Jan-07	1		19.3	5.73	5,43	5.58	86.2	83.5	8.4	32.9	7.1	7.1	6.4	16.5	16.8
169	WWFCZ1	S	MID-FLOOD	6-Jan-07			19.2	5.95	5.76		91.8	89.2	8.4	32.7	4,5	4.5		14,5	, [
170	WWFCZ1	М	MID-FLOOD	6-Jan-07	11:47	41.20	19.2	5.81	5.58	5,78	87,6	84.9	8.4	32.5	5.8	5.8		16.0	
171	WWFCZ1	В	MID-FLOOD	6-Jan-07	1		19.2	5.90	5.77	5,84	89.6	86.9	8.4	32.7	6.2	6.5	5,6	10,0	13.5
172	WWFCZ2	S	MID-FLOOD	6-Jan-07			19.2	5.87	5.61		89.6	86.5	8.4	33.0	6.2	6.4		9,5	
173	WWFCZ2	M	MID-FLOOD	6-Jan-07	11:33	40.90	19.3	5.79	5,67	5.74	87.6	85.2	8.4	32.8	7.6	7.5		14.0	
174	WWFCZ2	В	MID-FLOOD	6-Jan-07	1		19.4	5.76	5.48	5,62	87.5	85.6	8.4	32.6	7.2	7.2	7.0	12.0	11.8
175	WFCZR1	S	MID-FLOOD	6-Jan-07			19.4	5.98	5.73		93,6	92.7	8.4	32.7	6.4	6.4		26.5	
176	WFCZR1	M	MID-FLOOD	6-Jan-07	12:00	40,50	19.4	5.90	5.80	5.85	90.1	87.5	8.4	32.6	7.1	7.1		24.0	
177	WFCZR1	В	MID-FLOOD	6-Jan-07			19.4	5.75	5.58	5.67	88.4	85.5	8.4	32.3	7.2	7.2	6.9	19.0	23.2

-							2307			ļ —	DO, %	DO, %					NTU,		SS,
Lab	Location	Position	Tide	Sampling Date	Time	Water depth, m	Temp.	DO, mg/L (1)	DO, mg/L (2)	DO, Average value	saturation (1)	saturation (2)	pH, Unit	Salinity, ppt	Turbidity, NTU (1)	Turbidity, NTU (2)	Averaged Value	Suspended Solid, mg/L	Averaged Value
178	WFCZR2	S	MID-FLOOD	6-Jan-07			19.5	5.76	5.58		87.2	85.8	8.4	32.9	5.1	5.1		13.5	
179	WFCZR2	M	MID-FLOOD	6-Jan-07	11:20	41,60	19.5	5.89	5.74	5.74	89.5	86.7	8.4	32.7	6.1	6.1		15.0	ř II
180	WFCZR2	В	MID-FLOOD	6-Jan-07		120000000	19.4	5.80	5.54	5.67	87.3	83.8	8.4	32.9	5.9	5.8	5.7	16.5	15.0
181	WWA1	8	MID-EBB	8-Jan-07			18.9	5.78	5.47		85.9	83.3	8.3	33.3	2.7	2.7		15.5	
182	WWA1	M	MID-EBB	8-Jan-07	15:28	6.90	18.8	5.86	5.55	5.67	86.7	84.3	8.3	33.2	3.4	3.5		5.5	
183	WWA1	В	MID-EBB	8-Jan-07			18.6	5.69	5.41	5.55	84.7	80.6	8.3	33.2	3.5	3.5	3.2	8.0	9.7
184	WWA2	S	MID-EBB	8-Jan-07			19.1	5.82	5.54		86.7	84.0	8.3	33.2	3.1	3.3		8.0	
185	WWA2	M	MID-EBB	8-Jan-07	15:14	7.20	18.8	5.54	5.37	5.57	85.6	83.0	8.3	33.3	3.3	3.3		6.5	f
186	WWA2	В	MID-EBB	8-Jan-07		1 1	18.8	5.76	5.41	5.59	85.2	82.0	8.3	33.2	3.2	3.3	3.2	8.0	7.5
187	WWA3	S	MID-EBB	8-Jan-07			19.3	5.90	5.67		88.5	86.0	8.3	32.9	3.1	3.1		11,5	
188	WWA3	M	MID-EBB	8-Jan-07	15:00	7.10	19.1	5.74	5.53	5.71	87.8	83.3	8.3	33.3	3.5	3.5		10.0	£:
189	WWA3	В	MID-EBB	8-Jan-07			19.0	5.58	5.35	5.47	80.1	77.9	8.3	33.2	2.8	2.9	3.1	11.5	11.0
190	WRA1	S	MID-EBB	8-Jan-07			18.9	5.80	5.67		88.6	84.7	8.3	33.2	4.6	4.5		8.0	
191	WRA1	M	MID-EBB	8-Jan-07	15:43	33,10	18.9	5.59	5.39	5.61	87.6	84.9	8.3	33.2	3.5	3.5		6.5	A "
192	WRA1	В	MID-EBB	8-Jan-07			19.0	5,47	5.71	5.59	88,2	85.0	8.3	33.3	6.4	6.3	4.8	15.0	9.8
193	WRA2	S	MID-EBB	8-Jan-07		00.000179	19.1	5.85	5.60		87.6	86.9	8.3	33.2	3.9	3.8		12.0	
194	WRA2	M	MID-EBB	8-Jan-07	15:57	32,50	19.1	5.74	5.46	5.66	85.9	83.7	8.3	33.2	3.8	3.6		8.5	Ü
195	WRA2	В	MID-EBB	8-Jan-07		1	19.1	5.59	5.40	5.50	86.9	84.2	8.3	33.3	4.6	4.6	4.1	9.5	10.0
196	WRA3	S	MID-EBB	8-Jan-07			19.0	5.87	5.63		86.6	85.9	8.3	33.2	3.1	3.2		8.5	
197	WRA3	M	MID-EBB	8-Jan-07	16:09	30.40	18.6	5.76	5.36	5.66	84.8	81.9	8.3	33.2	4.5	4.5		18.0	la II
198	WRA3	В	MID-EBB	8-Jan-07			18.8	5.49	5.40	5,45	83.5	80.1	8.3	33.2	3.8	3.8	3.8	16.5	14.3
199	WWFCZ1	S	MID-EBB	8-Jan-07		11=13	19.1	5.86	5.70		91.6	87.8	8.3	33.2	3.9	3.9		9.0	
200	WWFCZ1	M	MID-EBB	8-Jan-07	16:51	41.60	19.0	5,59	5.42	5.64	88.6	85.5	8.3	33.2	3.1	3.6		11.5	ĝ
201	WWFCZ1	В	MID-EBB	8-Jan-07		11010000000	19.1	5.76	5.38	5.57	87.2	83.5	8.3	33.2	4.3	4.5	3.9	11.5	10.7
202	WWFCZ2	S	MID-EBB	8-Jan-07			19.0	5.77	5,53		88.6	85.2	8.3	33.2	3.6	3.5		20.5	
203	WWFCZ2	M	MID-EBB	8-Jan-07	16:37	41.20	19.1	5.96	5.89	5.79	87.7	84.6	8.3	33,3	4.8	4.8		21.0	P .
204	WWFCZ2	В	MID-EBB	8-Jan-07			19.2	5.75	5.47	5.61	86.2	85.3	8.3	33.2	5.0	4.9	4.4	18.0	19.8
205	WFCZR1	S	MID-EBB	8-Jan-07			19.2	5.75	5.45		82.6	79.2	8.3	33.2	2.7	2.8		11.5	
206	WFCZR1	M	MID-EBB	8-Jan-07	17:04	40.90	19.1	5.67	5.45	5.58	85.6	82.9	8.3	33.3	3.4	3,6		7,5	f I
207	WFCZR1	В	MID-EBB	8-Jan-07			19.1	5.56	5.43	5.50	85.5	81.9	8,3	33,3	4.8	4.9	3.7	18.0	12.3
208	WFCZR2	S	MID-EBB	8-Jan-07			18.9	5.85	5.57		89.0	86,4	8,3	33.3	3.0	3.2		5.5	
209	WFCZR2	M	MID-EBB	8-Jan-07	16:23	41.80	19.0	5.63	5.47	5.63	87.5	84.8	8.3	33.2	3.8	3.9		15.0	£
210	WFCZR2	В	MID-EBB	8-Jan-07			19.1	5.69	5.46	5.58	87.2	83.6	8.3	33.1	4.6	4.5	3.8	12.0	10.8
211	WWA1	S	MID-FLOOD	8-Jan-07			17.9	5.76	5.59		79.1	76.0	8.4	33.6	2.9	3.0		6.0	
212	WWA1	M	MID-FLOOD	8-Jan-07	10:25	7.10	18.3	5.63	5.45	5.61	77.2	74.1	8.4	33.1	3.5	3.6		7.5	ß II
213	WWA1	В	MID-FLOOD	8-Jan-07	2000000000	0.22773 0	18.6	5.57	5.41	5.49	81.0	80.2	8.4	33.2	3.6	3.9	3.4	8.5	7.3
214	WWA2	S	MID-FLOOD	8-Jan-07			18.8	5,87	5.58		87.5	84.3	8.4	33.3	3.3	3.2		6.5	
215	WWA2	M	MID-FLOOD	8-Jan-07	10:13	7.30	18.7	5.64	5.48	5,64	86.7	83.0	8.4	33.2	3.4	3.6	1	9.0	E
216	WWA2	В	MID-FLOOD	8-Jan-07			18.5	5.55	5.35	5.45	84.9	83.0	8.4	33.1	4.1	4.1	3.6	11.5	9.0
217	WWA3	S	MID-FLOOD	8-Jan-07			18.4	5.80	5.42		82.9	80.5	8.4	33.5	3.3	3.5		27.5	
218	WWA3	M	MID-FLOOD	8-Jan-07	10:00	7.10	18.7	5.76	5,44	5.61	84.2	80.3	8.4	33.2	3.6	3.7		25.5	
219	WWA3	8	MID-FLOOD	8-Jan-07			18.5	5.56	5.38	5.47	80.0	78.3	8.4	33.3	3.5	3.5	3.5	17.5	23.5
220	WRA1	S	MID-FLOOD	8-Jan-07		1.000000	19.0	5.82	5.58		87.3	84.4	8.4	33.2	4.2	4.4		5.5	
221	WRA1	M	MID-FLOOD	8-Jan-07	10:40	33.80	18,9	5.65	5.42	5.62	88.5	87.2	8.4	33.3	3.9	3.7		11.0	i d

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		2 3				p====		_			DO.%	DO. %	_			1	NTU.		S\$,
Lab						Water	Temp.	DO, mg/L	DO, mg/L		saturation	saturation			Turbidity,	Turbidity,	Averaged	Suspended	
1D	Location	Position	Tide	Sampling Date	Time	depth, m	°C	(1)	(2)	DO, Average value	(1)	(2)	pH, Unit	Salinity, ppt	NTU (1)	NTU (2)	Value	Solid, mg/L	Value
222	WRA1	В	MID-FLOOD	8-Jan-07		4 - 3	18.9	5.56	5.35	5,46	85.7	82.0	8.4	33.1	6.0	5.9	4.7	18.0	11.5
223	WRA2	S	MID-FLOOD	8-Jan-07		E	18.9	5.91	5,68		87.7	84.6	8.4	33.3	4.2	4.4		16.0	
224	WRA2	M	MID-FLOOD	8-Jan-07	10:55	32,90	18,6	5,75	5,43	5,69	86.1	85.2	8.4	33.2	4.0	4.0		9.5	1
225	WRA2	В	MID-FLOOD	8-Jan-07			18.5	5,56	5.38	5.47	84_6	81.5	8.4	33.4	4.5	4.5	4.3	9_0	11.5
226	WRA3	S	MID-FLOOD	8-Jan-07			18.5	5.86	5.57		88.3	84.0	8.4	33.3	3.3	3,2		5,5	
227	WRA3	M	MID-FLOOD	8-Jan-07	11:07	31,50	18.7	5,55	5.40	5,60	84.7	82.9	8.4	33.3	4.1	4.1		6,5	
228	WRA3	В	MID-FLOOD	8-Jan-07			18.8	5,64	5.47	5.56	86.9	82.5	8.4	33.2	3.9	3.9	3,7	8,5	6_8
229	WWFCZ1	S	MID-FLOOD	8-Jan-07			18.7	5,78	5.56		82.6	80.1	8.4	33.0	4.1	4.3		11.0	
	WWFCZ1	M	MID-FLOOD	8-Jan-07	11:52	42,50	18.5	5,65	5.40	5,60	79.6	78.8	8.4	33.2	4.1	3,9		10.0	1
	WWFCZ1	В	MID-FLOOD	8-Jan-07			18.7	5,57	5,41	5,49	83.6	81.1	8.4	33.2	3.5	3.6	3.9	10.5	10.5
	WWFCZ2	S	MID-FLOOD	8-Jan-07			18.9	5.85	5,59		90.6	87.3	8.4	33.3	3.8	3.8		9.5	
233	WWFCZ2	M	MID-FLOOD	8-Jan-07	11:34	41.70	18.8	5,67	5,50	5,65	86.4	84.0	8.4	33.4	4.2	4.1		11.0	
	WWFCZ2	В	MID-FLOOD	8-Jan-07			18.9	5.54	5.41	5,48	85.9	83,2	8.4	33.2	4.7	4.6	4.2	17.0	12.5
	WFCZR1	S	MID-FLOOD	8-Jan-07			19.2	5.76	5,58		81,9	79.6	8.4	32.6	3.2	3.2		15.0	
	WFCZR1	M	MID-FLOOD	8-Jan-07	12:07	41.80	18.8	5,86	5,67	5,72	83_0	81.3	8.4	33.1	3.6	3.7		17.5	
	WFCZR1	В	MID-FLOOD	8-Jan-07			18.7	5.70	5.53	5,62	83,9	80.7	6.4	33.2	4.2	4.4	3.7	20.5	17.7
	WFCZR2	S	MID-FLOOD	8-Jan-07			18.8	5,91	5,74		86.3	84,8	8.4	33.2	3.2	3,3		9.0	
	WFCZR2	M	MID-FLOOD	8-Jan-07	11:20	42.30	18.9	5.83	5.67	5.79	89.2	85,9	8.4	33.2	3,9	4.0		11.5	
240	WFCZR2	В	MID-FLOOD	8-Jan-07			18,6	5,70	5,45	5,58	87.4	83.6	8.4	33.2	4.7	4.9	4.0	11.5	10.7
241	WWA1	S	MID-EBB	10-Jan-07			18.5	5,62	5.55		81.3	79,5	8.5	33,3	2.9	2.9		11.5	
242	WWA1	M	MID-EBB	10-Jan-07	9 23	6,90	18.6	5.56	5.48	5,55	85.3	84,9	8.5	33.2	3.6	3.4		18,5	
243	WWA1	В	MID-EBB	10-Jan-07			18.5	5.87	5,66	5,77	89.5	84.3	8.5	33.3	3,3	3.4	3.2	18.0	16,0
244	WWA2	S	MID-EBB	10-Jan-07		23	18,7	6.05	5,89		86.7	85.3	B.5	33.2	2.5	2.7		7.0	
245	WWA2	M	MID-EBB	10-Jan-07	9:10	7.10	18,6	5.48	5.36	5,70	62.7	81.5	8.5	33.2	3_1	3.2		9.0	
246	WWA2	В	MID-EBB	10-Jan-07			18.7	5.87	5,69	5,78	89.5	88,7	B.5	33.2	2.7	2.5	2.8	12.5	9,5
247	WWA3	S	MID-EBB	10-Jan-07			18.9	5.80	5.71		83.9	82.7	8.5	33.2	2.3	2.5		11.5	
248	WWA3	M	MID-EBB	10-Jan-07	9:00	6,80	18.8	5.56	5.51	5,65	85.7	84_3	8.5	33.2	3.3	3.5		23.0	
249	WWA3	В	MID-EBB	10-Jan-07			18.8	5,69	5,58	5,64	87.2	86.3	8.5	33.1	3,9	3.8	3,2	9.0	14.5
250	WRA1	S	MID-EBB	10-Jan-07			18.9	5.68	5,51		85.4	84.6	8.6	33,3	2,9	2.8		14.0	
251	WRA1	M	MID-EBB	10-Jan-07	9:38	33.80	18.6	5,49	5,38	5,52	81.2	79.3	8.6	33,2	1.9	1.8		9.0	
252	WRA1	В	MID-EBB	10-Jan-07			18,7	5.48	5.41	5.45	82.5	81.6	8.6	33,2	2.9	2.8	2.5	7.5	10.2
253	WRA2	S	MID-EBB	10-Jan-07			19.0	5.95	5.87		88.6	87.1	8.6	33.2	1,8	2.0		8.5	
254	WRA2	M	MID-EBB	10-Jan-07	9:47	33,50	18.8	5,63	5.54	5.75	83.9	82.7	8.6	33.2	2.6	2.9		11.0	
255	WRA2	В	MID-EBB	10-Jan-07	-		18.8	5.42	5.38	5.40	87.3	86.5	8,6	33,3	3,0	3.3	2,6	14.0	11.2
256	WRA3	S	MID-EBB	10-Jan-07	الممنا		18.8	5.47	5.37		87.1	86.2	8.6	33.3	2.1	2.2		12.5	
257	WRA3	М	MID-EBB	10-Jan-07	10:01	32,10	18.8	5.42	5,43	5.42	82.5	81.3	8.6	33,2	2,9	2.8		14.0	
258	WRA3	В	MID-EBB	10-Jan-07			18.7	5,53	5,42	5.48	87,2	86,3	8,6	33,2	3.4	3,5	2.8	14.0	13.5
259	WWFCZ1	S	MID-EBB	10-Jan-07			18.8	5.91	5.88	200	89,1	88.6	8,6	33,3	1.6	1.6		5.0	
	WWFCZ1	M	MID-EBB	10-Jan-07	10:43	41.80	18.7	5.81	5.76	5.84	87.2	86.3	8.6	33.3	2.1	2.2		7.0	
	WWFCZ1	В	MID-EBB	10-Jan-07			18.7	5,69	5,53	5,61	84.5	83.1	8,6	32.7	1.8	1.8	1.8	6.5	6.2
	WWFCZ2	S	MID-EBB	10-Jan-07			18.7	5.57	5.48		87.3	86.2	8.6	33,3	1.6	1.8		5.0	
	WWFCZ2	M	MID-EBB	10-Jan-07	10:29	41.70	18.6	5.48	5,41	5.49	86.2	85.3	8.6	33.2	2.5	2.5		5.5	
	WWFCZ2	В	MID-EBB	10-Jan-07			18.6	5,61	5.59	5.60	84.1	83.8	8.6	33.2	2.4	2.4	2.2	9,0	6,5
265	WFCZR1	S	MID-EBB	10-Jan-07			18.7	5.41	5,37		84.2	83.9	8,6	33.4	3.0	3.2		7.5	

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, % saturation (2)	pH, Unit	Salinity, ppt	Turbidity, NTU (1)	Turbidity, NTU (2)	NTU, Averaged Value	Suspended Solid, mg/L	SS, Averaged Value
266	WFCZR1	M	MID-EBB	10-Jan-07	10:55	41.90	18.7	5.41	5.38	5.39	83.9	82.1	8.8	33.4	2.9	3.1		15.5	
267	WFCZR1	В	MID-EBB	10-Jan-07		64	18.8	5.46	5.42	5,44	84.7	83.5	8.6	33.4	3.7	3.7	3.3	7.0	10.0
	WFCZR2	S	MID-EBB	10-Jan-07			18.7	5,37	5.25		89.2	88.5	8,6	33.3	2.7	2.5		6.5	
269	WFCZR2	M	MID-EBB	10-Jan-07	10:16	40.50	18.4	5.56	5.51	5,42	84.2	83.9	8.6	33.3	4.1	4.1		9.5	
270	WFCZR2	В	MID-EBB	10-Jan-07		100	18.7	5.49	5.41	5.45	82.6	81.7	8.6	33.2	1.8	1.9	2.8	7,5	7.8
271	WWA1	S	MID-FLOOD	10-Jan-07			18.8	5,97	5.86		92.5	91.3	8,5	33.1	3.1	3,1		5.0	
272	WWA1	М	MID-FLOOD	10-Jan-07	12:57	7.20	18.5	5.75	5.73	5.83	90.6	88.4	8,5	33,2	2.8	2.9		6.5	
273	WWA1	В	MID-FLOOD	10-Jan-07			18.6	5.82	5.76	5.79	84.5	83.7	8.5	33.2	2.8	2.9	2.9	7.0	6,2
274	WWA2	S	MID-FLOOD	10-Jan-07			18.9	5.43	5.38		87.6	86.3	8.6	33.2	2.7	2.7		10.5	
275	WWA2	M	MID-FLOOD	10-Jan-07	12:44	7.30	18.5	5.57	5.53	5.48	86.2	85.7	8.6	33.2	3.2	3,3		7.5	
276	WWA2	В	MID-FLOOD	10-Jan-07	1		18.6	5.69	5.62	5.66	86.3	85.7	8.5	33.1	3.2	3.3	3.1	7.0	8,3
277	WWA3	S	MID-FLOOD	10-Jan-07			18.6	5.94	5,83		87.2	86.5	8.6	33.2	2.4	2.5		8.5	
27B	WWA3	M	MID-FLOOD	10-Jan-07	12:30	7.20	18.5	5.76	5.73	5.82	86.5	86.1	8,6	33.1	3.1	3.3	1	9.0	
279	WWA3	В	MID-FLOOD	10-Jan-07	1		18.4	5.86	5.74	5.80	86.5	84.9	8.6	33.1	3,9	3.8	3.1	10.5	9.3
280	WRA1	S	MID-FLOOD	10-Jan-07	_		18.6	5.89	5.71		86.3	85.7	8.6	33.3	2.5	2.7		8.0	
281	WRA1	M	MID-FLOOD	10-Jan-07	13:09	34.20	18.6	6.01	5.97	5.90	89.5	89.3	8.5	33.3	2.1	2.2	1 -	8.0	
282	WRA1	В	MID-FLOOD	10-Jan-07	10.00	0.1,20	18.6	5.27	5.11	5.19	84.3	82.6	8.5	33.3	3.1	3.2	2.6	8.0	8.0
283	WRA2	S	MID-FLOOD	10-Jan-07	_	_	18.9	5,61	5,59	3.13	85.1	84.4	8.5	33.2	2.1	2.1		10.5	
		M	MID-FLOOD	10-Jan-07	13:22	33.70	18.8	5.49	5.45	5.54	83.1	82.9	8.5	33.2	2.4	2.5		7.5	
284	WRA2 WRA2	B	MID-FLOOD	10-Jan-07	15.22	00,10	18.8	5.67	5,65	5.66	85.7	85.2	8.5	33.2	3.1	3.2	2.6	12.5	10.2
		S	MID-FLOOD	10-Jan-07	-		18.5	5.56	5.51	3,00	85.1	84.4	8.5	33.4	2.8	2.6		5.0	
286	WRA3			10-Jan-07	13:40	32.50	18.6	5.51	5.44	5.51	83.2	81.6	8.5	33.3	2.5	2.7	1	6.5	
287	WRA3	M	MID-FLOOD		13.40	52,50	18.7	5,59	5.54	5.57	83.2	84.1	8.5	33.3	2.9	2.8	2.7	6.5	6.0
288	WRA3	В		10-Jan-07	-		18.7	5.87	5.81	3,31	87.9	86.5	8.5	33.2	1.7	1.8		6.0	
289	WWFCZ1	S	MID-FLOOD	10-Jan-07	14:20	42.80	18.7	5.54	5.51	5.68	85.9	85.2	8.5	33.2	2.1	2.2	1	12.0	1
290	WWFCZ1	M	MID-FLOOD	10-Jan-07	14.20	42,00	18.6	5.79	5.77	5.78	86.4	86.1	8.5	33.3	2.7	2.7	2.2	10.0	9.3
291	WWFCZ1	В	MID-FLOOD	10-Jan-07	-	_	18.9	5.79	5.77	2.76	84.3	83.7	8.5	33.3	1.7	1.7		7.0	
292	WWFCZ2	Š	MID-FLOOD	10-Jan-07	14:07	41.90	18.8	5.71	5.65	5.60	84.8	84.7	8.5	33.3	2.1	2.2	1	7.0	(
293	WWFCZ2	M	MID-FLOOD	10-Jan-07	14.07	41,80		5.81	5.75	5.78	85,3	84.6	8.5	33.3	2.5	2.6	2.1	6.5	6.8
294	WWFCZ2	8	MID-FLOOD	10-Jan-07	_		18.6		5.75	5./0	83.5	82.1	8.5	28.1	3.3	3.1	4.1	13.0	0.0
295	WFCZR1	S	MID-FLOOD	10-Jan-07	44.04	42.10	18.5	5.23	5.74	5.50	89.2	88.6	8.5	30.8	2.9	2.7	1	7.5	
296	WFCZR1	M	MID-FLOOD	10-Jan-07	14:31	42.10	18.5	5.85	5.62	5.66	87.5	87.1	8.5	32.9	2.8	2.9	2.9	10.5	10.3
297	WFCZR1	В	MID-FLOOD	10-Jan-07	-		18,5	5.69		5,00	84.2	83.7	8.5	33.2	2.5	2.4	2.0	5.0	10,0
298	WFCZR2	S	MID-FLOOD	10-Jan-07			18.9	5,41	5.36			79.5		33.3	3,1	3.2	1	6.0	1
299	WFCZR2	M	MID-FLOOD	10-Jan-07	13:55	41.70	18.7	5.21	5.18	5.29 5.32	80.9 82.1	81.6	8.5	33.3	2.5	2.7	2.7	5.0	5.3
300	WFCZR2	В	MID-FLOOD	10-Jan-07		_	18.6	5.34 6.38	5.30 6.35	5.32	87.1	86.3	8.4	33.3	1.8	1.8	2.1	5.5	3,3
301	WWA1	8	MID-EBB	12-Jan-07	0.04	7.10				4 650	90.6	90.2	8.4	33.3	2.4	2.4	1	7.5	
302	WWA1	M	MID-EBB	12-Jan-07	9:24	7.10	18.9	6.82	6.80	6.59	93.0	90.2	8.4	33.4	2.3	2.5	2.2	7.0	6.7
303	WWA1	В	MID-EBB	12-Jan-07	-	_	18,8	6,96	6.95	6.96		87.1	B.4	33.2	2.2	2.4	2.2	10.5	0,1
304	WWA2	S	MID-EBB	12-Jan-07	045	7.00	18,9	6.67	6.66	0.74	88.2	89.5	8.4	33.2	1.9	2.1	+	6.0	ł
305	WWA2	M	MID-EBB	12-Jan-07	9.12	7.30	18.9	6.76	6.74	6.71	89.9			33.2	2.2	2.4	2.2	10.5	9.0
306	WWA2	В	MID-EBB	12-Jan-07			18.9	6.78	6.77	6.78	88.8	88.9	B.4	30.9	2.4	2.5	2.2	5.0	5,0
307	WWA3	S	MID-EBB	12-Jan-07		7.40	19.1	6.97	6.91		94.1	93.2	8.4	33.2	4.4	4.3	-	8.5	1
308	WWA3	М	MID-EBB	12-Jan-07	9:00	7.10	19.0	6.60	6.62	6.78	88.3	87.5	8.4	33.2	2.0	2.4	3.0	5.5	5.7
309	WWA3	В	MID-EBB	12-Jan-07			19.0	6.26	6.13	6.20	92.2	91.0	8.4				3,0	10.5	3,1
310	WRA1	S	MID-EBB	12-Jan-07]	1	18.9	6.60	6,57		91.3	90.4	8.4	33.2	2.0	1.9	J	10.5	i

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

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_											DO, %	DO, %					NTU.		\$5,
Lab						Waler	Temp.	DO, mg/L	DO, mg/L		saturation	saturation			Turbidity,	Turbidity,	Averaged	Suspended	Averaged
ID	Location	Position	Tide	Sampling Date	Time	depth, m	°C	(1)	(2)	DO, Average value	(1)	(2)	pH, Unit	Salinity, ppt	NTU (1)	NTU (2)	Value	Solid, mg/L	Value
311	WRA1	M	MID-EBB	12-Jan-07	9:39	34.70	18.8	6,52	6.48	6,54	89.9	89.4	8.4	33,3	2.3	2.4		9.5	
312	WRA1	В	MID-EBB	12-Jan-07	f		18.9	6.86	6.84	6.85	90.0	69.8	8.4	33.2	2.0	2.1	2.1	12.0	10.7
313	WRA2	S	MID-EBB	12-Jan-07			18,9	6.53	6.50		99.2	97.2	8.4	32.9	1.4	1.5		12.5	
314	WRA2	M	MID-EBB	12-Jan-07	9:53	33.80	18.9	6.60	6.58	6.55	88.1	86.7	8.4	33.2	2.0	2.2		6.5	l .
315	WRA2	B	MID-EBB	12-Jan-07			18.9	6.89	6,88	6.89	89.3	89.2	8.4	33.2	1.7	1.7	1.8	9.5	9.5
316	WRA3	S	MID-EBB	12-Jan-07			18.9	6.27	6,30		84.9	83.7	8.4	33,3	1.7	1.9		8.5	
317	WRA3	M	MID-EBB	12-Jan-07	10:12	33.10	18.9	6,39	6.38	6.34	84.4	84.6	B.4	33.3	1.6	1.6		8.5	
316	WRA3	В	MID-EBB	12-Jan-07			18.9	6.42	6.41	6.42	86.4	85.6	8.4	33.3	2.4	2.4	1.9	7.0	8.0
319	WWFCZ1	S	MID-EBB	12-Jan-07			18.8	6.42	6.40		86.4	85.4	8.4	33,3	2.1	2.2		5.0	
320	WWFCZ1	M	MID-EBB	12-Jan-07	10:53	42.30	18.9	6.55	6.54	6.48	86.7	86.0	8.4	33.3	2.4	2.4		5.0	
321	WWFCZ1	8	MID-EBB	12-Jan-07			18.9	6.75	6.76	6.76	8.88	88.6	8.4	33.2	2.7	2.7	2.4	7.0	5.7
322	WWFCZ2	S	MID-EBB	12-Jan-07			18.8	6.50	6.47		86.3	85.9	8.4	31.8	2.5	2.6		5.0	
	WWFCZ2	M	MID-EBB	12-Jan-07	10:38	41.40	18.9	6.44	6.43	6.46	83.9	83,8	8.4	33,3	2.5	2.7		0.8	
324	WWFCZ2	В	MID-EBB	12-Jan-07			18.8	6.43	6.45	6.44	86.2	85.7	8.4	33.3	2.4	2.5	2,5	5,5	6.2
325	WFCZR1	S	MID-EBB	12-Jan-07			18.8	6.61	6.55		90.3	89.1	8.4	33.3	1.7	1.7	Į	7.0	
326	WFCZR1	M	MID-EBB	12-Jan-07	11:06	41.70	18.9	6.51	6.49	6.54	87.3	86.7	8.4	33.3	2.0	2.2	Į	7.0	
327	WFCZR1	В	MID-EBB	12-Jan-07			18.9	6.87	6.81	6.84	90.6	90.3	8.4	33.2	2.2	2.5	2,1	13.5	9.2
328	WFCZR2	Ŝ	MID-EBB	12-Jan-07			18.6	6.15	6.13		82.0	81,9	8.4	33.3	1.6	1.7		7.5	
329	WFCZR2	M	MID-EBB	12-Jan-07	10:25	40.90	18.8	6.59	6.61	6.37	86.2	86.1	8.4	33.2	2.3	2.5	[14.0	
330	WFCZR2	В	MID-EBB	12-Jan-07			18.8	6.99	6.80	6.90	91.0	91,3	8.4	33.2	2.2	2.2	2.1	9.0	10.2
331	VVVA1	S	MID-FLOOD	12-Jan-07			18.8	6.23	6.24		82.9	82.0	8.5	33.2	2.1	2.1		5.5	
332	WWA1	M	MID-FLOOD	12-Jan-07	13:24	7.40	18.9	6.56	6.48	6.38	0.88	87.5	8.5	33.3	2.5	2.6]	5.0	
333	VVVA1	В	MID-FLOOD	12-Jan-07			18.8	6.46	6.50	6.49	0.88	86.2	8.5	33.3	2.5	2.5	2.4	5.0	5.2
334	WWA2	S	MID-FLOOD	12-Jan-07			18.9	6.38	6.35		86.5	85.9	8,5	33.2	2.3	2.4		5.0	
335	WWA2	M	MID-FLOOD	12-Jan-07	13:12	7.60	18.9	6.30	6.28	6.33	83.1	83,0	8.5	33.3	2.1	2.2	1	7.5	
336	WWA2	B	MID-FLOOD	12-Jan-07			18.9	6.03	6.02	6.03	80.8	80.4	8.5	33,3	2.5	2.6	2,3	5.5	6,0
337	VVVA3	S	MID-FLOOD	12-Jan-07			18.9	6.11	6.09		82.4	80.8	8.5	32.7	3.1	3.1		6.0	
336	VVVVA3	M	MID-FLOOD	12-Jan-07	13:00	7.30	18.9	6.37	6.29	6.22	85.1	84.8	8,5	33.3	3.3	3,1		8.5	
339	WWA3	В	MID-FLOOD	12-Jan-07	1		18.9	6.48	6.51	6.50	84.6	84.5	8.5	33.3	3.3	3.2	3.2	5.0	6.5
340	WRA1	ŝ	MID-FLOOD	12-Jan-07			18.9	6.51	6.46		88.3	87.4	8.5	33.3	2.1	2.2		5.0	
341	WRA1	M	MID-FLOOD	12-Jan-07	13:39	35.10	18.8	6.36	6.35	6.42	84.3	84.0	8.5	33.3	3.1	3.2]	6.0	1
342	WRA1	В	MID-FLOOD	12-Jan-07			18.8	6.59	6.60	6.60	84.8	85.0	8.5	33.3	2.3	2.4	2.5	8.5	5.8
343	WRA2	8	MID-FLOOD	12-Jan-07			18.9	6.18	6.20		82.2	82.0	8.5	33.3	1.6	1.6		6.5	
344	WRA2	M	MID-FLOOD	12-Jan-07	13:54	34.60	18.9	6,11	6.10	6.15	81.0	80.7	8.5	33.3	2.1	2.1		6.0	
345	WRA2	В	MID-FLOOD	12-Jan-07	1		18.9	6.58	6.56	6.57	86.7	86.5	8.5	33.2	1.9	2.0	1.9	7.5	6.7
346	WRA3	S	MID-FLOOD	12-Jan-07			18.9	6.34	6.22		87.6	84.9	8.5	33.3	1.9	2.0		9.0	
347	WRA3	M	MID-FLOOD	12-Jan-07	14:08	33.90	18.9	6.25	6.20	6.25	84.1	83.7	8.5	33.3	1.7	1.7		6.5	
348	WRA3	В	MID-FLOOD	12-Jan-07	1		18.9	6.46	6.42	6.44	83.4	83.9	8.5	33.2	2.2	2.5	2.0	7.5	7.7
349	WWFCZ1	S	MID-FLOOD	12-Jan-07			18.9	6.32	6.28		84.3	83.9	8.5	33.2	2.2	2.3		7.0	
350	WWFCZ1	M	MID-FLOOD	12-Jan-07	14:47	42.70	18.9	6.19	6.16	6.24	82.3	82.1	8.5	33.2	2.6	2.8	1	7,5	
351	WWFCZ1	B	MID-FLOOD	12-Jan-07	1		18.9	6.57	6.59	6.58	86.4	85.1	8.5	33.2	2.7	2.7	2.5	6.5	7.0
352	WWFCZ2		MID-FLOOD	12-Jan-07	1		18.9	6.20	6.17		82.9	81.2	8.5	33.2	2.5	2.7		5.5	
353	WWFCZ2		MID-FLOOD	12-Jan-07	14:33	42.80	18.9	6.28	6.26	6.23	84.4	83.9	8.5	33.3	2.4	2.5	1	6.0	1
354	WWFCZ2		MID-FLOOD	12-Jan-07	1		18.9	6.29	6.31	6.30	82.1	81.9	8.5	33.2	2.6	2.6	2.6	5.0	5.5
355	WFCZR1		MID-FLOOD	12-Jan-07	-		19.7	6.73	6.67	0.00	99.2	100.1	8.4	33.0	1.9	1.9	3.0	5.0	-

							Temp.	I	1		00,%	DO, %				. 1	NTU,		SS,
Lab	Location	Position	Tide	Sampling Date	Time	Water depth, m	°C	DO, mg/L (1)	DO, mg/L, (2)	DO, Average value	saturation (1)	saturation (2)	inH Unit	Salinity, ppt	Turbidity, NTU (1)	Turbidity, NTU (2)	Averaged Value	Suspended Solid, mg/L	Averaged Value
356	WFCZR1	M	MID-FLOOD	12-Jan-07	14:59	43.10	19.0	6.79	6.78	6.74	92.4	91.4	8.4	33.0	2.0	1.8	VIIIIC	5.0	Value
357	WFCZR1	В	MID-FLOOD	12-Jan-07	1	10.10	19.0	6.57	6.65	6.61	86.5	85.1	8.4	33.2	2.2	2.3	2.0	7.0	5.7
358	WFCZR2		MID-FLOOD	12-Jan-07			18.8	6.38	6.34	0,01	86.6	86.0	8.5	33.2	1.6	1.7	2.0	10.5	5.7
359	WFCZR2	M	MID-FLOOD	12-Jan-07	14:20	41.70	18.8	6.30	6.29	6.33	83.7	83.5	B.5	33.2	2.1	2.1		8.0	i
360	WFCZR2	В	MID-FLOOD	12-Jan-07		10000	18.9	6.52	6.47	6.50	86.1	85.7	B.5	33.2	2.3	2.5	2.1	7.5	8.7
361	WWA1	S	MID-EBB	15-Jan-07			19.5	6.88	6.85	0.50	95.2	94.0	8.3	33.1	1.6	1,6	2-1	14.5	0.1
362	WWA1	M	MID-EBB	15-Jan-07	9:25	7.20	19.4	7.05	7.04	6.96	94.5	93.6	8.3	33.1	1.6	1.6		10.5	į.
363	WWA1	В	MID-EBB	15-Jan-07	1		19.4	7.03	7.01	7.02	94.1	93.8	8.3	33.1	2.0	2.0	1.7	13.0	12.7
364	WWA2	S	MID-EBB	15-Jan-07			19.6	6.77	6.78		91.5	91.0	8.3	33.0	1.8	2.0		7,0	12.1
365	WWA2	M	MID-EBB	15-Jan-07	9:11	7.30	19.6	6.80	6.88	6.81	93.5	93.0	8.3	33.1	1.9	1.9		7.5	i
366	WWA2	В	MID-EBB	15-Jan-07			19.3	6.72	6.80	6.76	91.0	90.6	8.3	33.2	1.8	1.9	1.9	5.5	6.7
367	WWA3	S	MID-EBB	15-Jan-07			19.6	6.27	6.26		84.1	83.7	8.3	33.2	1.7	1.7	1,10	8.5	3.1
368	WWA3	M	MID-EBB	15-Jan-07	9:00	7,30	19.4	6.53	6.63	6.42	87.5	87.6	8.3	33.1	2.5	2.4		8.5	i
369	WWA3	В	MID-EBB	15-Jan-07	1	1	19.4	6.75	6.72	6.74	93.1	91.5	8.3	33.2	2.7	2.6	2.3	5.5	7.5
370	WRA1	S	MID-EBB	15-Jan-07			19.1	6.37	6.36		85.0	84.7	8.3	33.1	1.1	1.1	2.0	6.5	7.0
371	WRA1	M	MID-EBB	15-Jan-07	9:38	34.50	19.2	6.89	6.88	6.63	91.8	91.0	8.3	33.1	1.5	1.5		7.5	i
372	WRA1	В	MID-EBB	15-Jan-07	1	2 1	19.0	6.96	6.95	6.96	95.2	94.7	8.3	33.2	1.4	1.5	1.4	5.5	6.5
373	WRA2	Ş	MID-EBB	15-Jan-07			19.1	6.45	6,46	1,51	84.7	84.6	8,3	33.2	1.8	1.7		7.0	0.0
374	WRA2	M	MID-EBB	15-Jan-07	9:53	33.90	19.1	6.51	6.49	6.48	B7.4	87.0	8.3	33.2	1.4	1.4		9.5	į.
375	WRA2	В	MID-EBB	15-Jan-07			19.0	6.77	6.74	6.76	87.8	88.1	8.3	33.2	1.9	1.7	1.6	12.0	9.5
376	WRA3	S	MID-EBB	15-Jan-07			19.0	6.18	6.16	1	81.7	81.5	8.3	33.2	2.1	2.2	1.0	5,5	0.0
377	WRA3	M	MID-EBB	15-Jan-07	10:04	32.70	19.0	6.16	6.13	6.16	84.3	83.6	8.3	33.2	1.7	1.7		8.5	
378	WRA3	В	MID-EBB	15-Jan-07			19.0	6.87	6.86	6.B7	89.2	89.5	8.3	33.2	1.4	1.5	1.8	7.0	7.0
379	WWFCZ1	S	MID-EBB	15-Jan-07			18.8	6.29	6.24		85.0	B4.3	8.3	33.2	1.9	1.8	110	5.5	7.0
380	WWFCZ1	M	MID-EBB	15-Jan-07	10:47	42.30	18.4	6.58	6.57	6.42	87.3	86.6	8.3	33.2	1.0	1.5		5.0	į.
381	WWFCZ1	В	MID-EBB	15-Jan-07	1		18.9	6.91	6.90	6.91	90.6	90.7	8.3	33.2	1.9	2.1	1.7	5.0	5.2
382	WWFCZ2	S	MID-EBB	15-Jan-07			19.0	6.53	6,49		88.8	88.1	8.3	33.2	1.4	2.2		7.5	0.2
383	WWFCZ2	M	MID-EBB	15-Jan-07	10:33	41.60	18.9	6.52	6.47	6.50	86.4	86.2	8.3	33.2	2.1	2.2		5.0	į.
384	WWFCZ2	В	MID-EBB	15-Jan-07	1		18.9	6.71	6.68	6,70	90.5	89.5	8.3	33.2	1.2	1.3	1.7	7.0	6.5
385	WFCZR1	S	MID-EBB	15-Jan-07			18.8	6.40	6.36	-	84.7	84.4	8.3	33.3	1.1	1.2		12.0	
386	WFCZR1	M	MID-EBB	15-Jan-07	11:00	41.20	16.9	6.39	6,35	6,38	85.2	84.7	8.3	33.2	1.8	1.6		18.0	1
387	WFCZR1	В	MID-EBB	15-Jan-07	1		18.9	6.44	6.43	6.44	86.2	85.9	8.3	33.2	1.6	1.6	1.5	5.0	11.7
388	WFCZR2	S	MID-EBB	15-Jan-07			18.9	6.39	5.37		87_0	85,3	8.3	33.2	1.7	1.9		5.0	
389	WFCZR2	M	MID-EBB	15-Jan-07	10:20	41.10	18.9	6.49	6.47	6.43	85.1	84.6	8.3	30.0	2.1	2.1		9.0	
390	WFCZR2	В	MID-EBB	15-Jan-07			18.8	6.15	6.06	6.11	93.8	93.6	8.3	33.2	1.5	1.5	1.8	6.5	6.8
391	VVVVA1	S	MID-FLOOD	15-Jan-07			19.6	6.82	6,81		90.8	90.7	8.4	33.1	1.7	1.7		6.0	
392	WWA1	M	MID-FLOOD	15-Jan-07	15:24	7.40	19.5	6.52	6.53	6.67	88.0	87.5	8_4	33.1	1.7	1.8		13.0	
393	WWA1	В	MID-FLOOD	15-Jan-07	1 1	1	19.4	6.57	6,56	6,57	89.0	88.5	8.4	33.2	2.1	2.1	1.8	11.0	10.0
394	WWA2	\$	MID-FLOOD	15-Jan-07			19.7	6.77	6.75		91.4	90.7	8.4	33.0	1.8	2.1		7.0	
395	WWA2	M	MID-FLOOD	15-Jan-07	15:12	7.70	19.3	6.43	6,42	6.59	85,6	85.4	8.4	33.1	2.7	2.8		10.0	4
396	WWA2	В	MID-FLOOD	15-Jan-07			19.2	6.28	6.25	6.27	84.0	83.7	8.4	33.1	2.5	2.7	2.4	10.0	9_0
397	WWA3	S	MID-FLOOD	15-Jan-07	7		19.5	6.38	6.37		86.1	85.6	8.4	33_1	1,9	2.0		8.0	
398	WWA3	M	MID-FLOOD	15-Jan-07	15:00	7.30	19.3	6,34	6,35	6,36	85.1	84.3	8.4	33.2	2.1	2.2		5.5	
399	VVVA3	В	MID-FLOOD	15-Jan-07			19.3	6.36	6.37	6_37	85,0	84.5	8.4	33.1	2.6	2.7	2,3	8.5	7.3
400	WRA1	S	MID-FLOOD	15-Jan-07			19.2	6,30	6.28		87.2	86.9	8.4	33.2	1.6	1.6		8.5	

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

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							_	T			DO, %	DO, %	T			T	NTU.		SS.
Lab			315			Water	Temp.	DO, mg/L	DO, mg/L		saturation	saturation			Turbidity,	Turbidity,	Averaged	Suspended	
ID	Location	Position	Tide	Sampling Date	Time	depth, m	°C	(1)	(2)	DO, Average value	(1)	(2)	pH, Unit	Salinity, ppt	NTU (1)	NTU (2)	Value	Solid, mg/L	Value
401	WRA1	M	MID-FLOOD	15-Jan-07	15:38	34.70	19.2	6.13	6.12	6.21	81.5	81.3	8.4	33.1	1.7	1.7		6.0	
402	WRA1	В	MID-FLOOD	15-Jan-07			19.2	6.44	6.50	6.47	84.7	84.7	B.4	33.1	2.1	2.3	1.8	7.5	7.3
403	WRA2	S	MID-FLOOD	15-Jan-07			19.2	6,30	6.25		86.8	87.0	B.4	33.1	1.7	1.6		9.5	
404	WRA2	M	MID-FLOOD	15-Jan-07	15:53	34.10	19.2	6.23	6.24	6.26	81_6	81.7	8.4	33.1	2.1	2.1		7.5	
405	WRA2	В	MID-FLOOD	15-Jan-07			19.2	6,60	6.61	6,61	88.6	86.5	8.4	33.1	1.9	1.8	1.9	5.0	7.3
406	WRA3	S	MID-FLOOD	15-Jan-07			19.4	5.90	5,95		77.8	77.6	8.4	33.1	2.2	2.3		7.5	
407	WRA3	М	MID-FLOOD	15-Jan-07	16:07	33,60	19.2	6.27	6.23	6.09	85,6	84.4	8.4	33.1	2.0	2.1		7.5	1
408	WRA3	В	MID-FLOOD	15-Jan-07			19.2	6.59	6.60	6,60	86.6	86.8	8.4	32.6	2.2	2,5	2.2	5.0	6.7
409	WWFCZ1	S	MID-FLOOD	15-Jan-07			19.1	6,41	6.38		87.2	86.5	8.4	33.1	2.4	2.4		9.0	
	WWFCZ1		MID-FLOOD	15-Jan-07	16:47	42.60	19.3	6.78	6.77	6.59	89.6	89.4	8.4	33.1	2,1	2.1		8.0	1
	WWFCZ1	В	MID-FLOOD	15-Jan-07			19.3	7.01	6.97	6.99	93.0	92.8	8.4	33.1	2.0	1.8	2.1	10.0	9.0
	WWFCZ2	S	MID-FLOOD	15-Jan-07	40.00		19.2	6.37	6.35		84.8	84.7	8.4	33.1	1.8	1.9		8.0	
	WWFCZ2	M	MID-FLOOD	15-Jan-07	16:33	41.90	19.3	6,49	6.47	6.42	86.7	86.3	8.4	33.1	2.1	2.1	100	5.0	
	WWFCZ2	В	MID-FLOOD	15-Jan-07	_		19.2	6,65	6.64	6.65	87.4	87.5	8,4	33.1	1,6	1.8	1.9	6.5	6.5
	WFCZR1	S	MID-FLOOD	15-Jan-07	47.00	44.70	19.9	6,68	6.66		87.8	88.6	8.4	33,1	1.3	1.3		5.0	
	WFCZR1	M B	MID-FLOOD	15-Jan-07	17:02	41.70	19.6	7.15	7.13	6.91	95.0	95.7	8.4	33.0	1.9	2.0		20.0	li.
_	WFCZR1 WFCZR2		MID-FLOOD	15-Jan-07	_		19.2	6,59	6,54	6.57	90.4	89.9	8.4	33,1	1.6	1.5	1.6	6.0	10.3
	WFCZR2	S M	MID-FLOOD	15-Jan-07	40.00	40.00	19.2	6.71	6.73		90.3	89.7	8,4	33.1	1.9	1.8		18,5	
	WFCZR2	B	MID-FLOOD	15-Jan-07	16:20	42,30	19,2	6.33	6.30	6.52	84.4	84.0	8.4	33.1	2.1	2.2		8.5	F
421	WWA1	S	MID-FEOOD	15-Jan-07 17-Jan-06	_	_	19.1	6.61	6.59	6.60	87.2	87.1	8.4	33.0	1.5	1,6	1.8	15.0	14.0
422	WWA1	M	MID-EBB	17-Jan-06	13:19	6.90	19.1	6.59	6.44		87.7	88,5	8.4	33.0	2.8	2.7		7.5	i.
423	WWA1	В	MID-EBB	17-Jan-06	12.18	0.90		6.49	6.45	6.49	97.2	99.8	8.4	33.0	3.2	3.2		5.5	
424	VVVA2	S	MID-EBB	17-Jan-06	_	_	19.0	6.91	6.41	6,83	91.2	93.1	8.4	32.9	2.3	2.5	2.8	10.0	7.7
425	VVVA2	M	MID-EBB	17-Jan-06	13:09	7.00	19.1	6.42	6.50	6.00	100.0 97.9	103.0	8.4	33.0	2.6	2.6		8.5	
426	WWAZ	B	MID-EBB	17-Jan-06	15.05	7.00	19.1	6.01	6.11	6.39	99.6	97.3 95.6	8.4	33.0 33.0	3.4	3.3		10.0	
427	WWA3	S	MID-EBB	17-Jan-06			19.1	6.86	6.85	0.00	94.0	93.7	8.4	33.0	2.6	2.8	2.9	9.5	9.3
428	WWA3	M	MID-EBB	17-Jan-06	13:00	7.10	19.0	6.85	6.67	6.81	97.0	94.3	8.4	33.0	3.1	4.6 3.3		8.0	
429	WWA3	В	MID-EBB	17-Jan-06	10,00	7.10	19.0	6.45	6.52	6.49	88.1	88.4	8.4	33.0	3.8	3.8		12.0	
430	WRAT	S	MID-EBB	17-Jan-06			19.1	6.99	6.92	0,49	97.9	97.2	8.4	32.9	2.7	2.B	3.9	10.5	10.2
431	WRAT	M	MID-EBB	17-Jan-06	13:31	32 20	19.1	6.41	6.75	6.77	88.7	92.6	8.4	33.0	2.5	2.6		8,5 5.5	la .
432	WRA1	В	MID-EBB	17-Jan-06	10.01	02.20	18.9	6.57	6.58	6.58	94.9	91.7	8.4	33.0	2.5	2.3	2.5	8.0	
433	WRA2	S	MID-EBB	17-Jan-05			19.0	6.62	6.61	0.30	90.3	88.9	8.4	33.1	2.2	2.3	2.5	13.0	7.3
434	WRA2	M	MID-EBB	17-Jan-06	13:41	33.00	19.0	6.30	6.39	6.48	95.6	95.0	8.4	32.8	2.5	2.4		11.0	
435	WRA2	В	MID-EBB	17-Jan-06			18.9	6.40	6.47	6.44	90.1	89.0	8.4	33.1	3.1	3.1	2.6	11.5	11.8
436	WRA3	S	MID-EBB	17-Jan-06		-	18.9	6.55	6.41	0,44	87.2	86.6	8.4	33.0	1.8	1.7	2.0	10.0	11.0
437	WRA3	M	MID-EBB	17-Jan-06	13:52	31.80	18.9	6.83	6.78	6.64	87.9	99.2	8.4	33.0	3.7	3.6		8.5	P.
438	WRA3	B	MID-EBB	17-Jan-06	10.02	31,00	18.9	6.17	6.16	5.17	81.2	80.8	8.4	33.0	2.5	2.4	2.6	12.0	10.2
	WWFCZ1	Š	MID-EBB	17-Jan-06			19.1	6.65	6.61	0,17	89.5	88.7	8.4	33.0	2.4	2.5	۷,0	8.0	10.2
	WWFCZ1	M	MID-EBB	17-Jan-06	14:28	41.50	19.1	6.46	6.45	6.54	86.2	85.9	8.4	33.0	2.2	2.2		9.0	
	WWFCZ1	В	MID-EBB	17-Jan-06	20		19.1	6.96	6.91	6.94	92.1	91.9	8.4	33.0	3.0	2.8	2.5	6.5	7.8
$\overline{}$	WWFCZ2	Š	MID-EBB	17-Jan-05			19.1	6.63	6.59	0.54	89.3	88.5	8.4	33.1	2.7	2.7	2.0	9.5	1=0
	WWFCZ2	M	MID-EBB	17-Jan-06	14:16	40.80	19.1	5.55	6.52	6.57	87.0	86.5	8.4	33.0	2.4	2.4		5.5	
	WWFCZ2	В	MID-EBB	17-Jan-06		79,00	19.1	6.56	6.59	6.58	87.3	86.7	8.4	32.8	2.4	2.3	2.5	6.5	7.2

cor						(1999ASA)	T	200000000000000000000000000000000000000			DO, %	DO, %			*Constitution	York left	NTU.	Cuspanded	SS,
Lab	Location	Position	Tide	Sampling Date	Time	Water depth, m	Temp.	DO, mg/L (1)	DO, mg/L (2)	DO, Average value	saturation (1)	saturation (2)	pH, Unit	Salinity, ppt	Turbidity, NTU (1)	Turbidity, NTU (2)	Averaged Value	Suspended Solid, mg/L	Averaged Value
445	WFCZR1	S	MID-EBB	17-Jan-06			19.1	6.56	6.55		86.6	86.3	8.4	32.9	2.2	2.3		6.0	
	WFCZR1	M	MID-EBB	17-Jan-06	14:40	40.50	19.0	6.95	7.00	6.77	92.7	92.5	8.4	33.1	4.6	4.6		15.0	
447	WFCZR1	В	MID-EBB	17-Jan-06			19.0	6.82	6.77	6.80	88.9	89.2	8.4	33.0	2.8	2.8	3.2	11,5	10.8
448	WFCZR2	S	MID-EBB	17-Jan-06			19.1	6,60	6.59		88.5	88,1	8.4	33.0	2.6	2.6		11.5	
449	WFCZR2	M	MID-EBB	17-Jan-06	14:05	40.00	19.0	6.54	6.53	6.57	86.3	86.2	8.4	33.0	2.8	2.7		14.5	11.7000
450	WFCZR2	В	MID-EBB	17-Jan-06	200	0.3762	19.1	6,80	6.75	6.78	89.6	90,1	8.4	33.0	3.5	3.4	2.9	17.0	14.3
451	WWA1	S	MID-FLOOD	17-Jan-06			19.0	6.55	6.51		87.1	86.9	8.4	33.1	3.0	3.0		9.0	
152	WWA1	M	MID-FLOOD	17-Jan-06	9:19	7.40	19.0	6.80	6.75	6.65	97.6	96.4	8.4	33.1	3.0	3.1	9200	5.0	67728
153	WWA1	В	MID-FLOOD	17-Jan-06			19.0	6,77	6.55	6.66	88.7	87.8	8.4	32.7	2.6	2.5	2.9	10.5	8.2
154	WWA2	S	MID-FLOOD	17-Jan-06			19.0	6.45	6.43		87.3	86.3	8.4	33:1	2.8	2.8		5,5	
155	WWA2	M	MID-FLOOD	17-Jan-06	9:10	7.60	19.0	6.45	6.43	6.44	87.5	86.5	8.4	33.2	3.1	3.2		12.5	
156	WWA2	В	MID-FLOOD	17-Jan-06			19.0	6.36	6.40	6,38	85.1	84.2	8.4	33,2	2.7	2.6	2.9	7.0	8.3
57	WWA3	- 8	MID-FLOOD	17-Jan-06		-5-77	19.0	6.71	6.61	70-0	91.1	90.1	8.4	33.2	4.4	4.2		5.5	
158	WWA3	M	MID-FLOOD	17-Jan-06	9:00	7,50	19.0	6.61	6.62	6.64	86.7	85.9	8.4	33.2	3,8	3,8	1,0000	10.5	
159	WWA3	В	MID-FLOOD	17-Jan-06			18.9	6.79	7.03	6.91	94.7	93.0	8.4	33.2	3.7	3,5	3.9	9.5	8.5
60	WRA1	S	MID-FLOOD	17-Jan-06	-		19.0	6.43	6.40		88.0	86.8	8.4	33.1	2.3	2.4		6.5	
161	WRA1	M	MID-FLOOD	17-Jan-06	9:31	33.60	19.0	6.45	6.40	6.42	107.3	106.4	8.4	33.0	2.6	2.6		7.0	
62	WRA1	В	MID-FLOOD	17-Jan-06		12 CW/100	19.0	6.71	6.59	6.65	106.5	108,3	8.4	33.0	2.5	2.6	2.5	18.0	10.5
63	WRA2	S	MID-FLOOD	17-Jan-06			19.0	6.75	6.52		87.8	91.2	8.4	33.1	2.4	2.3		8.5	
64	WRA2	M	MID-FLOOD	17-Jan-06	9:40	33.50	18.9	6.96	6.21	6.61	91.6	90.6	8.4	33.0	2.8	2.9	15.0	9.0	
165	WRA2	В	MID-FLOOD	17-Jan-06		10000000	18.9	6.40	6.42	6.41	85.8	85.0	8.4	33.1	3.2	3.1	2.8	10.0	9.2
166	WRA3	S	MID-FLOOD	17-Jan-06			18.9	7.03	7.00		92.3	94.8	8.4	33.2	2.0	1.9		9.0	
467	WRA3	M	MID-FLOOD	17-Jan-06	9:50	32.70	18.9	6.35	6.46	6.71	86.6	85,6	8.4	33.2	3.0	2.8		6.5	
168	WRA3	В	MID-FLOOD	17-Jan-06			18.9	6.18	6.16	6.17	82.1	81.8	8.4	33.1	2.7	2.4	2.5	8.0	7.8
169	WWFCZ1	S	MID-FLOOD	17-Jan-06			19.0	6.52	6.51		86.0	85.2	8.4	33.1	2.5	2.4		6.5	
	WWFCZ1	M	MID-FLOOD	17-Jan-06	10:27	42.70	19.0	6.54	6.61	6.55	84.9	84.6	8.4	33.1	2.1	2.0		7.5	
171	WWFCZ1	В	MID-FLOOD	17-Jan-06			18.4	6.94	6.96	6.95	90.6	90.7	8.4	33.1	3.2	3.3	2.6	11.0	8.3
172		S	MID-FLOOD	17-Jan-06			19.0	6.50	6.47		86.0	85.6	8.4	33.1	2.4	2.7		9.0	
173	WWFCZ2	M	MID-FLOOD	17-Jan-06	10:15	41.90	19.0	6.48	6.47	6.48	86.4	86.0	8.4	33.1	3.2	3.3		7.5	
174		8	MID-FLOOD	17-Jan-06		10000	19.0	6.66	6.70	6.68	86.1	86.6	8.4	33.1	3.0	2.9	2.9	16.5	11.0
175	WFCZR1	S	MID-FLOOD	17-Jan-06			19.7	6.49	6.54		91.8	89.0	8.4	32.6	2.5	2.3		9.0	
176	WFCZR1	M	MID-FLOOD	17-Jan-06	10:39	41.70	19.1	7.04	7.06	6.78	89.9	90.0	8.4	32.9	3.7	3.5]	9.5	0090
477	WFCZR1	В	MID-FLOOD	17-Jan-06		0.0000000	18.9	7.20	7.19	7.20	99.0	93.9	8.4	33.1	2.7	2.9	2.9	11.0	9.8
178	WFCZR2	S	MID-FLOOD	17-Jan-06			19.0	6.57	6.56		87.9	87.0	8,4	33.1	2.8	2.5		6.5	
479	WFCZR2	M	MID-FLOOD	17-Jan-06	10:03	41.20	19.0	6.49	6.47	6.52	86.3	85.8	8.4	33.1	3.0	3.1		5.0	il and
480	WFCZR2	В	MID-FLOOD	17-Jan-06	111111111111111111111111111111111111111	- STACE SET	19.0	6.73	6.71	6.72	89.1	89.3	8.4	33.1	3.4	3.5	3:0	8.0	6,5
481	WWA1	S	MID-EBB	19-Jan-07			19.3	5.90	5.78		96.6	95.3	8,4	33.3	2.3	2.5		6.0	
482	WWA1	M	MID-EBB	19-Jan-07	14:57	6.90	19.4	5.81	5,70	5.80	86.2	85.3	8.4	33.2	2.7	2.8		8.0	
483	WWA1	В	MID-EBB	19-Jan-07			19.4	5.75	5.49	5.62	89.0	87.5	8.4	33.2	2.2	2.3	2.5	7.5	7.2
484	WWA2	S	MID-EBB	19-Jan-07		1	19.3	5.76	5.69		90.2	86.9	8.4	33.1	2.1	2.2		6.0	
485	WWA2	M	MID-EBB	19-Jan-07	14:42	7.00	19.3	5.90	5.83	5,80	88.2	89.0	8.4	33.1	2,5	2.5		10.0	
486	WWA2	8	MID-EBB	19-Jan-07			19.9	5,96	5.89	5.93	85.3	83.9	8.4	33.2	2.5	2.5	2.4	7.0	7.7
487	WWA3	S	MID-EBB	19-Jan-07			19.2	5.92	5.77		93.0	92.1	8.4	33.2	2.0	2.2		6.5	
488	WWA3	M	MID-EBB	19-Jan-07	14:30	6.70	19.2	5.60	5.58	5.72	89.0	90.6	8.4	33.0	2.7	2.7	1	14.5]

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	_				_		_				50,%	50,%					NTU,		SS,
Lab						Water	Temp,	DO, mg/L	DO, mg/L		saluration	saturation			Turbidity,	Turbidity,	Averaged	Suspended	
ID	Location	Position	Tide	Sampling Date	Time	depth, m	°C	(1)	(2)	DO, Average value	(1)	(2)	pH, Unit	Salinity, ppt	NTU (1)	NTU (2)	Value	Solid, mg/L	Value
489	WWA3	8	MID-EBB	19-Jan-07			19.2	5,97	5.86	5,92	87.6	86.2	8.4	33,1	2.6	2.7	2.5	5.5	8.8
490	WRA1	S	MID-EBB	19-Jan-07			19.5	5,87	5.68		90.2	86.7	8.4	32,9	3.9	3.9		6.5	
491	WRA1	M	MID-EBB	19-Jan-07	15:12	34.20	19.6	5.70	5.58	5,70	89.0	86.2	8.4	33.0	3.1	3.2	L I	5.5	
492	WRAT	8	MID-EBB	19-Jan-07			19.5	5.94	5.89	5.92	87.8	86.2	8_4	33.0	3.1	3.2	3.4	16.5	9.5
493	WRA2	S	MID-EBB	19-Jan-07			19.6	5.99	5,90		96.8	96.3	8.4	33.1	2.3	2,6		6,5	
494	WRA2	M	MID-EBB	19-Jan-07	15:24	32,90	19.6	5.87	5,76	5,88	89.7	89,5	8.4	33.1	3.0	2.9		12.5	
495	WRA2	B	MID-EBB	19-Jan-07			19.5	5.82	5.75	5,79	87_4	85.2	8.4	33,1	2.7	2.7	2.7	9.0	9_3
496	WRA3	S	MID-EBB	19-Jan-07			19.4	5.90	5.82		88.0	85,6	8.4	33,2	3.0	2.9		8.0	
497	WRA3	M	MID-EBB	19-Jan-07	15:39	32.50	19.4	5,95	5.90	5,89	67,3	86.4	8.4	33.2	3,3	3.4		6.0	
496	WRA3	B	MID-EBB	19-Jan-07			19.4	5,81	5.66	5,74	88,6	86.0	8.4	33.2	2.4	2.6	2,9	9,0	7.7
499	WWFCZ1	S	MID-EBB	19-Jan-07			19.3	6.11	6.02		98.0	96.7	B.4	32.9	2.5	2.5	į.	7.5	
500	WWFCZ1	M	MID-EBB	19-Jan-07	16:21	41.60	19.3	5,93	5.83	5,97	93.6	91.2	8,4	32.8	3,5	3.6		7.5	
501	WWFCZ1	В	MID-EBB	19-Jan-07)	19.2	5,71	5,58	5,65	88,2	8,88	8.4	32.8	2.8	2.8	2,9	6.0	7.0
502	WWFCZ2	S	MID-EBB	19-Jan-07			19,2	6.01	5.90		92,3	90_1	8.4	33.0	3.2	3.3		6.5	
503	WWFCZ2	M	MID-EBB	19-Jan-07	16:06	40,30	19.2	5.76	5.63	5,83	89.2	87.8	8.4	33.1	2.9	2.8		5,5	Į.
504	WWFCZ2	В	MID-EBB	19-Jan-07			19.1	5.84	5.72	5,78	89.6	87_9	8.4	33.2	2.9	2.7	2.9	13.5	8.5
505	WFCZR1	S	MID-EBB	19-Jan-07			19.4	5,86	5.71		90.6	86.3	8.4	33.1	3.8	3,9		8,5	
506	WFCZR1	M	MID-EBB	19-Jan-07	16:37	39.50	19.2	5,95	5,80	5,83	87.6	86.9	8.4	33.0	3,2	3.4		9.0	
507	WFCZR1	В	MID-EBB	19-Jan-07		_	19.2	5,55	5.46	5.51	84.8	84.2	8.4	33.2	3.5	3_6	3,6	13,0	10,2
508	WFCZR2	S	MID-EBB	19-Jan-07			19.3	5.74	5,67		86.7	85.2	8,4	33.0	2.3	2.5		6.5	
509	WFCZR2	M	MIO-EBB	19-Jan-07	15:53	40,70	19.3	5,89	5.67	5,74	88.6	87.0	8.4	32,9	2,8	2.8	1	5.0	
510	WFCZR2	В	MID-EBB	19-Jan-07			19,3	5,60	5.48	5.54	86,3	84.5	8.4	32.9	2.7	2.7	2.6	7.5	6.3
511	WWA1	S	MID-FLOOD	19-Jan-07			19.1	6.09	6.01		93.6	90.1	8,5	33.2	2.9	2.8		6.5	
512	WWA1	M	MID-FLOOD	19-Jan-07	9:57	7.10	19.0	5.89	5.73	5.93	89.2	87.9	8.5	33.2	2.9	2.9]	9.0	
513	WWA1	В	MID-FLOOD	19-Jan-07	i		19.0	5.50	5.41	5.46	88.0	86.5	8.5	33.2	2.4	2,8	2.7	9.5	8.3
514	WWA2	S	MID-FLOOD	19-Jan-07			19.2	5,99	5.90		95.0	92.8	8,5	33.2	2.4	2,4		6.0	
515	WWA2	M	MID-FLOOD	19-Jan-07	9:42	7.20	19.0	5.82	5.70	5,85	90.2	88.4	8.5	33.2	2.7	2.8		6.5	
516	VVVA2	В	MID-FLOOD	19-Jan-07			19.0	5.79	5,77	5.78	86.7	84,9	8.5	33.2	2.7	2.7	2,6	14.0	8,8
517	EAWW	S	MID-FLOOD	19-Jan-07			19.0	5.78	5.66		90.0	87.6	8.4	33.0	3.1	3,1		6.0	
518	EAWW	M	MID-FLOOD	19-Jan-07	9:30	6,80	19.0	5,88	5,71	5.76	88.2	86,7	8.4	33.0	3.2	3.2		10.5	ł
519	EAWW	В	MID-FLOOD	19-Jan-07			19.0	5.80	5.62	5.71	84.9	84.1	8.4	33.1	3.3	3.3	3.2	17.5	11.3
520	WRA1	S	MID-FLOOD	19-Jan-07			19.3	5,95	5.82		91,6	90.3	8.4	33.3	2.9	2.7		10.5	4
521	WRA1	M	MID-FLOOD	19-Jan-07	10:09	34,50	19.2	5,86	5.74	5,84	87.6	86.8	8.4	33.2	2,9	2.9	1	13.0	
522	WRA1	В	MID-FLOOD	19-Jan-07			19.1	5,61	5.48	5,55	85.9	84.2	8.4	33,2	3.2	3.4	3.0	16.5	13,3
523	WRA2	\$	MID-FLOOD	19-Jan-07			19.1	5,86	5,69		92.8	91.2	8.4	32.9	3.5	3.5		9.0	1
524	WRA2	M	MID-FLOOD	19-Jan-07	10:21	33.70	19.1	5,75	5,67	5,74	89.1	87.8	8.4	32.9	3.2	3.3	1	17.0	
525	WRA2	В	MID-FLOOD	19-Jan-07	l		19.1	5,95	5.89	5.92	87.0	85,5	8.4	33.0	3.2	3,3	3.3	12.0	12.7
526	WRA3	S	MID-FLOOD	19-Jan-07			19.0	5,99	5,82		90,4	88.3	8.4	33.0	2.9	2,7		6.0	1
527	WRA3	M	MID-FLOOD	19-Jan-07	10:36	33,10	19.0	5.70	5,59	5,78	87.2	85.9	8.4	33.1	3.0	2.9		23,5	
528	WRA3	В	MID-FLOOD	19-Jan-07			19.0	5.68	5.49	5,59	87.8	86.1	8,4	33.1	2.8	2.8	2.8	13.5	14.3
529	WWFCZ1	S	MID-FLOOD	19-Jan-07			19.2	5,96	5,80		98.6	92.9	8.5	32.9	2,9	2.5		16.5	-
530	WWFCZ1	M	MID-FLOOD	19-Jan-07	11:17	42.10	19.0	5,99	5,82	5,89	90.7	87.5	8,5	33.1	2.9	2.7	1	20.0	
531	WWFCZ1	В	MID-FLOOD	19-Jan-07			19.0	5,76	5,50	5,63	88.88	85.6	8.5	33.1	2.7	2.7	2.7	11.0	15.8
532	WWFCZ2	S	MID-FLOOD	19-Jan-07			19.0	5.92	5.71		89.6	87.9	8.5	33.0	3_0	3.1		9.5	

Lab						Water	Temp.	DO, mg/L	DO, mg/L		DO, % saturation	DO, % saturation			Turbidity,	Turbidity.	NTU,		SS,
ID	Location	Position	Tide	Sampling Date	Time	depth, m	°C	(1)	(2)	DO, Average value	(1)	(2)	nH Unit	Salinity, ppt		NTU (2)	Averaged Value	Suspended Solid, mg/L	Averaged Value
_	WWFCZ2	M	MID-FLOOD	19-Jan-07	11:05	40.50	19.0	5.80	5.64	5.77	87.0	85.3	8.5	33.1	2.8	2.5	Value	11.0	Value
534	WWFCZ2	В	MID-FLOOD	19-Jan-07	11.00	10,000	19,1	5.68	5.47	5.58	86.6	83.7	8.5	33.1	2.7	2.7	2.8	13.0	11.2
535	WFCZR1	S	MID-FLOOD	19-Jan-07	-		19.0	6.12	6.07	0,00	97.2	95.1	8.5	32.7	2.6	2.4	2,0	10.0	11,2
536	WFCZR1	M	MID-FLOOD	19-Jan-07	11:33	40.30	19.1	5.98	5.87	6,01	92.0	87.0	8.5	32.7	2.7	2.8	1	15.5	
537	WFCZR1	В	MID-FLOOD	19-Jan-07		1 1 2 1	19.1	5.70	5,60	5.65	87.4	86.7	8,5	32.5	3.2	3,3	2.8	15.0	13.5
538	WFCZR2	S	MID-FLOOD	19-Jan-07			19.1	5,90	5.75		98.7	96.6	8.5	33.0	3.2	3.3	2.0	13.0	10.0
539	WFCZR2	M	MID-FLOOD	19-Jan-07	10:50	41,60	19.1	5,97	5,92	5.89	91.5	89.2	8,5	33.0	3.2	3.3	1	11.0	1
540	WFCZR2	В	MID-FLOOD	19-Jan-07			19.1	6.10	6.02	6.06	85.6	84.0	8.5	33.0	3.4	3.5	3.3	8.0	10.7
541	WWA1	S	MID-EBB	22-Jan-07			16.6	5,98	5.84		95.2	91.9	8.1	32.9	2.6	2.6	0,0	11.5	10.7
542	WWA1	M	MID-EBB	22-Jan-07	15:28	6.70	16.7	5,90	5.69	5,85	88.2	86.5	8.1	32.9	3.1	3,3	i	10.0	1
543	WWA1	В	MID-EBB	22-Jan-07	1		18.7	5.72	5.58	5,65	87.0	85.0	8.1	32.9	3.0	2.9	2.9	10.5	10.7
544	WWA2	S	MID-EBB	22-Jan-07			18.8	5.95	5.82		91.3	89.5	8.1	32.9	3.1	3,3	2.0	7.0	10.1
545	WWA2	M	MID-EBB	22-Jan-07	15:13	6.80	18.8	5.60	5.49	5.72	86.1	84.8	8.1	32.9	3.3	3.3		12.0	1
546	WWA2	В	MID-EBB	22-Jan-07	î l		18.8	5.76	5.80	5.78	85,9	83,6	8.1	32,9	3,2	3,3	3.2	12,5	10.5
547	WWA3	S	MID-EBB	22-Jan-07	-		18.9	5.94	5.76		87.6	86.7	8.1	32.B	3,1	3.1		5,5	10.0
548	WWA3	M	MID-EBB	22-Jan-07	15:00	6,70	19.0	5.77	5.58	5.76	88.2	85.6	8.1	32.9	2.9	2.8		12.0	
549	WWA3	В	MID-EBB	22-Jan-07			18.8	5.52	5.48	5,50	86.8	84.0	8.1	32.9	2.5	2.6	2.8	21,5	13.0
550	WRA1	S	MID-EBB	22-Jan-07			18.8	6.12	6.00		90,3	88.5	8.2	32.8	3.2	3.3		16.0	
551	WRA1	М	MID-EBB	22-Jan-07	15:40	33,50	18.7	5.87	5.76	5,94	89.2	86.1	8.2	32.9	3.1	3.1	i	11.5	i
552	WRA1	В	MID-EBB	22-Jan-07			16.6	5.81	5.69	5.75	87.5	85.6	8.2	32.9	2.9	2.8	3.0	16.0	14.5
553	WRA2	S	MID-EBB	22-Jan-07			16,7	6.05	5.97		92,6	90.0	8.2	32,9	2.6	2,9		6,5	
554	WRA2	M	MID-EBB	22-Jan-07	15:55	32,70	18.7	5.76	5.58	5,84	87.4	85.2	8.2	32.9	2,5	2.7		8.5	
555	WRA2	В	MID-EBB	22-Jan-07			18.7	5,67	5.45	5,56	86.6	83.9	8.2	32,8	3.1	3,1	2.8	11,0	8.7
556	WRA3	S	MID-EBB	22-Jan-07			18.7	6.12	5.95		93.4	90.0	8,2	32.9	2.9	2.8		8,5	
557	WRA3	M	MID-EBB	22-Jan-07	16:09	33,60	18,7	5,81	5.70	5,90	87,6	86.0	8.2	32.9	3.1	3,3		17.0	i
558	WRA3	В	MID-EBB	22-Jan-07			18.7	5.75	5.43	5,59	88.5	85.6	8.2	33_0	3,5	3.4	3.1	13.5	13,0
559	WWFCZ1	S	MID-EBB	22-Jan-07			18.6	5.82	5.63		88.0	86.4	8.2	33.0	2.0	2.1		9.0	
560	WWFCZ1	M	MID-EBB	22-Jan-07	16:53	41.20	18,6	5.78	5,56	5.70	87.7	85.9	8.2	33,0	4.6	4.6		16,5	
561	WWFCZ1	В	MID-EBB	22-Jan-07			18.6	5.66	5.48	5.58	86.6	83.3	8.2	32.9	4.6	4.6	3.7	12.5	12.7
562	WWFCZ2	S	MID-EBB	22-Jan-07			18.7	5.85	5.62		89.6	87.5	8.2	33.0	2.8	2.7		12.0	
563	WWFCZ2	M	MID-EBB	22-Jan-07	16:38	39.70	18.6	5,68	5.45	5,65	86.2	84,9	8.2	33.0	2.8	2.8		11.0	
564	WWFCZ2	В	MID-EBB	22-Jan-07			18.6	5,60	5,45	5,53	85.2	84.6	8.2	33.0	3.9	3.9	3.1	19.0	14,0
565	WFCZR1	S	MID-EBB	22-Jan-07			18.6	5.84	5,59		89,6	87.7	8.2	33.0	3.7	3.8		15.0	
566	WFCZR1	M	MID-EBB	22-Jan-07	17:06	39,50	18.6	5.46	5_3B	5.57	88.2	86.6	8.2	32.6	4.0	4.1		8.5	
567	WFCZR1	В	MID-EBB	22-Jan-07			18.6	5,70	5,69	5.70	87.4	85.0	8.2	32.6	3.4	3.4	3.7	8.0	10,5
568	WFCZR2	S	MID-EBB	22-Jan-07	40.01		18.7	5.91	5.72		87.8	86.1	8.2	33,0	2.6	2.6		7.0	
569	WFCZR2	M	MID-EB8	22-Jan-07	16:24	40.30	18,7	5.78	5.67	5.77	B6.7	84.8	8.2	33,0	2.7	2.7		5,0	
570	WFCZR2	В	MID-EBB	22-Jan-07			18,6	5,55	5.40	5.48	85.1	83.5	8.2	33.0	4.5	4.5	3.3	5.5	5.8
571	WWAT	S	MID-FLOOD	22-Jan-07	anin.	0.00	18,6	5.92	5.75		92,2	87.6	8.5	33,0	3,0	2.8		8.0	
572	WWA1	M	MID-FLOOD	22-Jan-07	10:24	6,80	18,3	5,70	5.45	5,71	88.0	86.2	8.5	33.1	3.2	3.2		14.5	
573	WWA1	В	MID-FLOOD	22-Jan-07			18.3	5,90	5,80	5.85	87,4	84.4	8.5	33,1	3_1	3.1	3,1	8.0	10.2
574	WWA2	5	MID-FLOOD	22-Jan-07	40.40	600	18.5	5.95	5,60		91.2	86.9	8.5	33,1	2.9	2.8		7.5	
575	WWA2	M B	MID-FLOOD	22-Jan-07	10:12	6,90	18.5	5.78	5,56	5,72	87,6	85.0	8.5	33,1	2.8	3.0		6,5	
576	WWA2	ď	MID-FLOOD	22-Jan-07			18.4	5.86	5.46	5,66	87.2	84.1	8,5	33.0	3.2	3.3	3.0	10,5	8.2

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Lab ID	Location	Position	Tide	Sampling Date	Time	Water depth, m	Temp.	DO, mg/L (1)	DO, mg/L (2)	DO, Average value	DO, % saturation (1)	DO, % saturation (2)	pH, Unit	Salinity, ppt	Turbidity, NTU (1)	Turbidity, NTU (2)	NTU, Averaged Value	Suspended Solid, mg/L	SS, Averaged Value
577	WWA3	S	MID-FLOOD	22-Jan-07			18.4	5.92	5.80		92.9	89.8	8.5	33.0	3.4	3.4		7.5	
578	WWA3	M	MID-FLOOD	22-Jan-07	10:00	6.70	18.4	5.69	5.44	5,71	87.6	84.2	8.5	33,1	3.0	2.8		8.0	f
579	WWA3	В	MID-FLOOD	22-Jan-07	(SECTION OF PERSONS	2007.531	18.3	5.54	5.42	5.48	88.0	86.2	8.5	33.2	2.6	2.7	3.0	14.5	10.0
580	WRA1	S	MID-FLOOD	22-Jan-07			18.5	5.80	5.56		91.6	88.2	8.5	33.1	3.1	3.2		9.0	1,0,0
581	WRA1	M	MID-FLOOD	22-Jan-07	10:37	33.80	18.5	5.72	5.57	5.66	87.0	84.1	8.5	33.1	2.8	2.8		12.5	ĺ
582	WRA1	В	MID-FLOOD	22-Jan-07			18.5	5.66	5.40	5.53	86,9	84.2	8.5	33.0	3.0	2.8	2.9	10.5	10.7
583	WRA2	S	MID-FLOOD	22-Jan-07			18.6	5.77	5.44		89.6	87.0	8.5	33.0	2.5	2.5		12.0	
584	WRA2	M	MID-FLOOD	22-Jan-07	10:50	33.20	18.5	5.96	5.68	5.71	87.6	86.0	8.5	33.0	3.1	3.1		14.0	į.
585	WRA2	В	MID-FLOOD	22-Jan-07		1 7 2 3	18.5	5.52	5.41	5.47	85.4	82.6	8.5	33.0	3.2	3.4	3.0	12.5	12.8
586	WRA3	S	MID-FLOOD	22-Jan-07			18.6	5.95	5.78		92.6	90,1	8.5	33.0	2.8	2.8		8.0	12.0
587	WRA3	M	MID-FLOOD	22-Jan-07	11:06	32.70	18.5	5.83	5.65	5.80	88.6	85.4	8.5	33.0	3.2	3.4		16.0	į.
588	WRA3	В	MID-FLOOD	22-Jan-07	Christian Carrie	COMMUNICATION OF	18.5	5.56	5.42	5.49	87.7	84.1	8.5	33.1	3.5	3.5	3.2	10.0	11.3
589	WWFCZ1	S	MID-FLOOD	22-Jan-07			18.5	6.06	5.95		90.9	88.5	8.5	32.8	2.1	2.1		10.0	1735
590	WWFCZ1	M	MID-FLOOD	22-Jan-07	11:40	41.60	18.5	5.87	5.65	5.88	88.0	86.7	8.5	33.0	4.2	4.3		18.0	i
591	WWFCZ1	В	MID-FLOOD	22-Jan-07	Ca Massa	50000000	18.5	5.76	5.50	5.63	87.2	85.6	8.5	33.0	5.2	5.1	3.8	17.0	15.0
592	WWFCZ2	S	MID-FLOOD	22-Jan-07			18.5	5.96	5.79		94.4	89.6	8.5	32.6	3.1	3.3		8.0	10.0
593	WWFCZ2	M	MID-FLOOD	22-Jan-07	11:25	40.30	18.5	5.89	5.72	5.84	87.3	84.6	8.5	33.0	3.1	3.2		14.5	i
594	WWFC22	В	MID-FLOOD	22-Jan-07			18,6	5,59	5,43	5,51	87.8	84.2	8.5	33.0	2.5	2.5	3.0	16,5	13.0
595	WFCZR1	S	MID-FLOOD	22-Jan-07			18.5	6.11	6,05		93.0	90.2	8.5	32.8	2.8	2.8		14.0	7.5.15
596	WFCZR1	M	MID-FLOOD	22-Jan-07	11:53	39.80	18.5	5.87	5.76	5.95	87.6	85.9	8.5	33.0	3.2	3.2		18.5	i
597	WFCZR1	В	MID-FLOOD	22-Jan-07	2		18,5	5,90	5.68	5.79	86.7	84.0	8.5	33.0	2.5	2.7	2.9	18,5	17.0
598	WFCZR2	S	MID-FLOOD	22-Jan-07			18.6	5.92	5.76		97.7	92.6	8.5	33.0	2.8	2.5		11.5	
599	WFCZR2	M	MID-FLOOD	22-Jan-07	11:19	40.70	18.5	5.83	5.56	5.77	89.2	86.7	8.5	33.0	3.2	3.2		14.0	1.
600	WFCZR2	В	MID-FLOOD	22-Jan-07	1000000	55,000	18.4	5.69	5.48	5.59	87.9	85.6	8.5	33.0	3.3	3.4	3.1	18.5	14.0
601	WWA1	S	MID-EBB	24-Jan-07			18.6	6.38	6.37		81.4	81.8	8.4	32.7	1.8	1.8		5.5	14.0
602	WWA1	M	MID-EBB	24-Jan-07	15:51	7.00	18.5	6.02	5.92	6.17	80.3	79.8	8.4	32.6	2.0	1.8		8.0	r
603	WWA1	В	MID-EBB	24-Jan-07	mases and	14031834	18.4	6.13	6.12	6.13	81.8	80.7	8.4	32.9	2.7	2.7	2.1	6.5	6.7
604	WWA2	S	MID-EBB	24-Jan-07			18.7	6.31	6.33		80.7	80.8	8.4	32.7	1.8	1.7		6.5	
605	WWA2	M	MID-EBB	24-Jan-07	15:40	7.10	18.5	6.13	6.08	6.21	83.9	83.0	8.4	32.8	2.4	2.4		7.5	ř
606	WWA2	В	MID-EBB	24-Jan-07			18.7	6.03	6.00	6.02	81.4	80.7	8.4	32.8	2.0	2.2	2.1	5.5	6.5
607	WWA3	S	MID-EBB	24-Jan-07			19.1	5.51	5.49		93.8	93.2	8.4	32.0	2.3	2.3		8.0	
608	WWA3	M	MID-EBB	24-Jan-07	15:30	6.90	18.8	5.83	5.78	5.65	81.0	80.2	8.4	32.7	2.6	2.6		6.5	
609	WWA3	В	MID-EBB	24-Jan-07			18.7	5.73	5.69	5.71	78.0	76.4	8.4	32.5	2.2	2.4	2.4	11.0	8.5
610	WRA1	S	MID-EBB	24-Jan-07	-		18.5	5.95	5.97	7,3630,7	77.3	77.2	8.4	32.8	3.0	3.1		7.5	
611	WRA1	M	MID-EBB	24-Jan-07	16:03	34.20	18.4	6.34	6.33	6.15	80.9	80.7	5.4	32.2	2.4	2.4		7.5	į.
612	WRA1	В	MID-EBB	24-Jan-07	25755	150,000	18.6	6.32	6.30	6.31	79.3	78.7	8.4	32.8	3.1	3.3	2.9	9.5	8.2
613	WRA2	S	MID-EBB	24-Jan-07			18.6	6.19	6.11		90.0	87.5	8.4	32.7	2.9	2.9	2,0	6.5	4,6
614	WRA2	M	MID-EBB	24-Jan-07	16:17	34.10	18.7	5.60	5.59	5.87	74.1	73.8	8.4	32.8	2.2	2.4		7.5	<i>[</i>
615	WRA2	В	MID-EBB	24-Jan-07	577377	254,050,000	18.7	6.06	6.05	6.06	78.8	78.6	8.4	32.2	2.1	2.1	2.4	7.5	7.2
616	WRA3	S	MID-EBB	24-Jan-07			18.5	5.66	5.64	7.40	75.1	74.8	8.4	32.8	2.7	2.8	4.4	7.5	1.4
617	WRA3	M	MID-EBB	24-Jan-07	16:30	33.50	18.7	6.99	6.07	6.09	79.9	80.1	8.4	32.7	2.7	2.5		6.0	
618	WRA3	В	MID-EBB	24-Jan-07	2222	. A.S. (A.R.)	18.2	5.97	5.96	5.97	77.5	77.1	8.4	32.9	1.9	1.8	2.4	5.5	6.3
	WWFCZ1	S	MID-EBB	24-Jan-07			18.6	5.80	5.73	0.01	78.8	77.9	8.4	32.8	1.9	1.8	4.7	6.5	0.0
_	WWFCZ1	M	MID-EBB	24-Jan-07	17:09	41.90	18.6	6.02	5.95	5.88	80.1	79.7	8.4	32.8	3.5	3.5		6.0	

							_				00.%	00,%	_				NTU,		SS,
						Water	Temp.	DO, mg/L	DO. mg/L		saturation	saturation			Turbidity.	Turbidity.	Averaged	Suspended	Averaged
Lab			T-1-	Sampling Date	Time	depth, m	°c	(1)	(2)	DO. Average value	100000000000000000000000000000000000000	(2)	oH. Unit	Salinity, ppt	NTU (1)	NTU (2)	Value	Solid, mg/L	Value
ID	Location I	_	Tide		THITE	deput, in	_		5.89	5.90	80.0	79.3	8.4	32.8	3.6	3.5	3.0	7.0	6.5
	WWFCZ1	В	MID-EBB	24-Jan-07	_	_	18.6	5.91 6.00	5.96	5,90	79.8	78.3	8.4	32.7	2.5	2.5		5.5	
622	WWFCZ2	S	MID-EBB	24-Jan-07	40.57	41.30	18.8	5.81	5.77	5.89	78.8	77.6	8.4	32.8	2.8	2.9		6.0	i
623	WWFCZ2	M	MID-EBB	24-Jan-07	16:57	41.30	18.5		5.87	5.89	78.4	77.9	8.4	32.8	3.6	3.4	2.9	10.0	7.2
	WWFCZ2	В	MID-EBB	24-Jan-07			18.6	5.91		3,08	74.7	74.3	8.4	32.9	2.7	2.7		5.0	
	WFCZR1	S	MID-EBB	24-Jan-07		40.50	18,6	5,75	5.73 5.66	5.70	76.0	75.3	8.4	32.6	2,3	2.3		5.5	l .
626	WFCZR1	M	MID-EBB	24-Jan-07	17:24	40,50	18.7	5,67		5.76	80.1	80.0	8.4	32.7	3,2	3.4	2.B	10.5	7.0
627	WFCZR1	В	MID-EBB	24-Jan-07	_	_	18.7	5.78	5.74	3,70	77.3	76.8	8.4	32.8	2.7	2.5	2,0	5.0	
628	WFCZR2	S	MID-EBB	24-Jan-07			18.5	5,87	5.90	6.03	82.9	81.6	8.4	32.8	2.4	3.4	1	7.5	í
629	WFCZR2	M	MID-EBB	24-Jan-07	16.43	41,20	18,6	6,18	6.17		75.5	75.2	8.4	32.8	3.1	3.2	2.9	11.0	7.8
630	WFCZR2	В	MID-EBB	24-Jan-07			18.6	5.74	5.73	5.74	80.5	79.5	8.4	33.0	2.1	2.2	- 410	5.5	-
631	WWA1	S	MID-FLOOD	24-Jan-07	0		17,9	5,91	5,86		80,5	79.8	8.4	32.9	2.3	2.3	1	9.5	1
632	WWA1	M	MID-FLOOD	24-Jan-07	10:59	6,80	18,1	6.16	6.14	6.02				32.9	2.7	2.B	2.4	7.0	7.3
633	WWA1	В	MID-FLOOD	24-Jan-07			18.2	6,07	6.04	6,06	80.3	80.0	8.4	32.9	1,9	1.8	2,4	5.0	1,00
634	WWA2	S	MID-FLOOD	24-Jan-07			18.4	5.74	5.68		77.6	76.9		32.8	2.4	2.5	1	8.5	1
635	WWA2	M	MID-FLOOD	24-Jan-07	10:44	6,80	18.4	6,56	6,31	6_07	80.0	79.5	8.4		2.1	2.3	2.1	8.0	7.2
636	WWA2	В	MID-FLOOD	24-Jan-07			18.2	5.88	5,85	5,87	79.9	79.0	8.4	32.9	2.4	2.5	2.1	5.0	7.2
637	WWA3	S	MID-FLOOD	24-Jan-07			18,3	5.72	5,68		76.8	76.2	8.4	32.9		2.7	4	7.0	ł
638	WWA3	M	MID-FLOOD	24-Jan-07	10:30	6.70	18.3	6,14	6,15	5.92	79.9	79.7	8,4	32.8	2,8	2.4	2.5	11.0	7.7
539	WWA3	В	MID-FLOOD	24-Jan-07			18,3	6.13	6,17	6_15	81.0	80,6	8,4	32.8		3.2	2,3	5.5	1,1
640	WRA1	S	MID-FLOOD	24-Jan-07			18,3	5,68	5.67		74.2	74.1	8.4	32.9	3,1	2.6	1	11.0	4
641	WRA1	М	MID-FLOOD	24-Jan-07	11:13	35,30	18.2	6.04	6,09	5.87	78.0	77.5	8.4	32.8	2.5	3.3	3.0	7.0	7.8
642	WRA1	В	MID-FLOOD	24-Jan-07			18.1	5.90	5.92	5.91	77.1	76.4	B,4	32.9	3.2		3,0	5.5	7.0
643	WRA2	S	MID-FLOOD	24-Jan-07			18.2	5,61	5,59		73.4	73,5	8.4	32.8	3,2	3.2		13.5	1
644	WRA2	М	MID-FLOOD	24-Jan-07	11:29	34.90	18,1	6,40	6,39	6.00	85,1	84.8	8.4	32.8	2,5	2.5	2.6	10.5	9.8
645	WRA2	В	MID-FLOOD	24-Jan-07			18.0	5,80	5,77	5.79	78,4	77.3	8.4	32.9	2.2	2.3	2,0	6.0	9.0
646	WRA3	S	MID-FLOOD	24-Jan-07			18.1	6.17	6.12		77.0	76.8	8.4	32.2	2.9	2.8	-	8.0	4
647	WRA3	М	MID-FLOOD	24-Jan-07	11:44	34,20	18.2	5,64	5.66	5,90	85.8	84.3	B,4	32.6	2.6	2.5	2.4		8.0
648	WRA3	В	MID-FLOOD	24-Jan-07			18.1	5,95	5.96	5,96	82.4	81.7	8.4	32.8	1.9	1.8	2.4	10.0	0.0
649	WWFCZ1	S	MID-FLOOD	24-Jan-07			18.4	6.33	6.23		77,3	77.2	8.4	32.7	1.7	1,9	4	7.5	4
650	WWFCZ1	M	MID-FLOOD	24-Jan-07	12:20	42,50	18,3	6,61	6.53	6.43	93,5	91,8	8.4	32.8	3.2	3,5	2.8	11.5	8.3
651	WWFCZ1	В	MID-FLOOD	24-Jan-07			18,2	6,54	6,53	6.54	90,8	89.8	8.4	33.0	3.4	3.4	2,8	10.0	0,3
652	WWFCZ2	S	MID-FLOOD	24-Jan-07			18.5	5.85	5,83		76.4	76.3	8.4	32.8	2.6	2.6	4	9.0	40
653	WWFC22	M	MID-FLOOD	24-Jan-07	12:07	42,70	18.4	6,00	5,95	5,91	81.1	80,3	8.4	32.8	2.7	2.8	٠.	8.0	9.0
654	WWFCZ2	В	MID-FLOOD	24-Jan-07			18,4	6,25	6.22	6,24	83,0	82.5	8.4	32.8	3,1	3.3	2.9		9,0
655	WFCZR1	S	MID-FLOOD	24-Jan-07			18.5	6.00	5,97		80,3	79.2	8.4	32.0	2.9	2.9	-	11.5	-
656	WFCZR1	M	MID-FLOOD	24-Jan-07	12:34	41.30	18.4	6.54	6.53	6.26	86,0	85.5	8.4	32,1	2,8	2.8		11.5	11.2
657	WFCZR1	В	MID-FLOOD	24-Jan-07			18.3	6,41	6,39	6.40	85.2	84.8	8.4	32.7	3.1	3.2	2.9		11,2
658	WFCZR2	S	MID-FLOOD				18.4	5.93	5,88		79.9	79.2	8,4	32.9	2.7	2.9	-	9,5	-
659	WFCZR2	M	MID-FLOOD	24-Jan-07	11:58	42,60	18.4	6.26	6.29	6,09	78.9	80,9	8,4	32.4	2.8	2.8	4		400
660	WFCZR2	В	MID-FLOOD	24-Jan-07			18.4	6,29	6,21	6.25	84.8	83.1	8,4	32,5	3.2	3.2	2.9	17.5	13.3
661	WWA1	S	MID-EBB	26-Jan-07			18.6	6,09	6.10		79.2	79.3	8.4	32.8	1.5	1.4	1	6.0	4
662	WWA1	M	MID-EBB	26-Jan-07	9:23	6.40	18.6	5.97	5,94	6.03	79,4	78.7	8.4	32.0	1.5	1.5	4	8.0	
663	WWA1	В	MID-EBB	26-Jan-07	1		18.6	5.97	5.94	5,96	79.8	79.2	8.4	32.8	1.6	1.6	1.5	6.5	6.B
664	WWA2	S	MID-EBB	26-Jan-07			18.7	5,63	5,59		76.0	75_4	8.4	32,8	1.8	1.6	1	8.0	J

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_							_				DO, %	DO, %					NTU,	0.0	SS,
Lab						Water	Temp.	DO, mg/L	DO, mg/L		saturation	saturation	1 1		Turbidity,	Turbidity,		Suspended	
ID	Location	Position	Tide	Sampling Date	Time	depth, m	°C	(1)	(2)	DO, Average value	(1)	(2)	pH, Unit	Salinity, ppt	NTU (1)	NTU (2)	Value	Solid, mg/L	Value
565	WWA2	M	MID-EBB	26-Jan-07	9:10	6.60	18.6	5.98	5.96	5,79	80.2	79.5	8.4	32.8	1.5	1.5		6.0	
666	WWA2	В	MID-EBB	26-Jan-07	2,500,574	35	18.5	5,46	5.40	5,43	72.5	71.5	8.4	32.8	1.4	1.4	1.5	5.0	6,3
67	WWA3	s	MID-EBB	26-Jan-07	-		18.6	5.69	5.64		75.5	75.1	8.4	32.8	3.0	2.9		5.5	
368	WWA3	M	MID-EBB	26-Jan-07	9:00	7.10	18.5	5.94	5.91	5.80	77.6	77.9	8.4	32.8	2.1	2.2		6.0	
669	WWA3	В	MID-EBB	26-Jan-07		1881 8	18.5	6.09	6.07	6,08	79.4	79.3	8.4	32.8	2,4	2.4	2.5	6.0	5,8
570	WRA1	S	MID-EBB	26-Jan-07			18.4	5.83	5.90		77.9	77.4	8.4	32.8	1.8	1.8		9.0	
671	WRA1	M	MID-EBB	26-Jan-07	9:35	34.80	18.4	5.86	5.87	5.87	76.4	76.1	8.4	32.8	1.8	1.8		6,5	
672	WRA1	В	MID-EBB	26-Jan-07			18.4	6.29	6.30	6,30	81.5	81.4	8.4	32.8	1,5	1.4	1.7	7.5	7.7
673	WRA2	S	MID-EBB	26-Jan-07			18.2	6.02	5.98		83.0	82.3	8.4	33_1	1.7	1.7		11.0	
674	WRA2	M	MID-EBB	26-Jan-07	9:48	34.20	18.2	5.68	5,66	5.84	75.B	74.7	8.4	32.9	2.9	2.9		5.0	
675	WRA2	В	MID-EBB	26-Jan-07			18.3	6.42	6.46	6.44	83.5	83.6	8.4	32.8	1.8	1.6	2.1	5.0	7.0
376	WRA3	S	MID-EBB	26-Jan-07			18.6	5.66	5.64		73.7	73.8	8.4	32,6	1.6	1.5		11.5	
677	WRA3	M	MID-EBB	26-Jan-07	10:00	34,90	18.6	6.22	6,21	5,93	84.2	83,3	8,4	32.B	2.6	2.7		11.0	1
678	WRA3	В	MID-EBB	26-Jan-07	i		18.0	5.80	5.79	5,80	76.6	76,1	8.4	33.0	1.9	1.9	2.0	6.5	9.7
	WWFCZ1	8	MID-EBB	26-Jan-07			18.6	5.86	5.81		78.5	77.9	B.4	32.8	1.2	1.4		5.0	
680	WWFCZ1	M	MID-EBB	26-Jan-07	10:40	42.30	18.4	5.61	5.57	5,71	75.0	74.8	B.4	32.8	2.7	2.7	1	5.5	
	WWFCZ1	B	MID-EBB	26-Jan-07		25 3	18.2	6.21	6.20	6.21	83.1	82.0	8,4	32.9	3,4	3.4	2,5	6.0	5.5
	WWFCZ2		MID-EBB	26-Jan-07			18.4	5.59	5.50		73.1	72.9	8.4	32.9	2.0	1.8		6.0	
	WWFCZ2		MID-EBB	26-Jan-07	10:27	42.10	18.5	5.91	5.93	5.73	77.4	77.1	8,4	32.8	2.4	2.4		5,0	1
	WWFCZ2		MID-EBB	26-Jan-07	5.57.1		18.1	6.18	6.15	6.17	82.8	82.5	8.4	33.0	2.3	2.4	2.2	5.5	5.5
	WFCZR1	S	MID-EBB	26-Jan-07			18.8	6.10	6.07		80.6	80.4	8.4	32.6	2.1	2.5		5,5	
	WFCZR1	М	MID-EBB	26-Jan-07	10:55	40.50	18.7	6.19	6.17	6.13	83.3	82.5	8.4	32.6	3,5	3.5		8.0]
687	WFCZR1	В	MID-EBB	26-Jan-07		- 3.5	18.6	6.29	6.23	6.26	84.1	83.6	8.4	32.6	3.0	3.2	3.0	13.0	8.6
688	WFCZR2		MID-EBB	26-Jan-07			18.3	5.90	5.93		77.0	76.2	8.4	32.9	1,8	1.8		12.0	
689	WFCZR2		MID-EBB	26-Jan-07	10:13	41.60	18.3	6.10	6.07	6.00	81.3	80.6	8.4	32.9	1.8	1.6	1	12.0	
690	WFCZR2		MID-EBB	26-Jan-07	1		18.5	6.28	6.29	6.29	82.8	82.2	8.4	32.8	2.1	2.1	1.9	11.0	11.
691	WWA1	S	MID-FLOOD	26-Jan-07			18.4	5.51	5.48		75.9	74.7	8.4	32.8	1.6	1.6		5.0	
692	WWA1	M	MID-FLOOD	26-Jan-07	12:57	6.70	18.4	6.00	5.93	5.73	78.6	79.1	8.4	32.9	1.5	1.6	1	5,5]
693	WWA1	В	MID-FLOOD	26-Jan-07	1	107.1	18.4	5.99	6.02	6.01	76.9	77.0	8.4	32.8	1.9	2.1	1.7	7.5	6.
694	WWA2	S	MID-FLOOD	26-Jan-07	_		18.4	5.93	5.89		80.1	79.3	8.4	32.8	1.9	1,8		5.5	
695	WWA2	M	MID-FLOOD	26-Jan-07	12:43	6.80	18.4	5.71	5.69	5.81	76.1	75.1	8.4	32.9	1.5	1.6	1	8,5]
696	WWA2	B	MID-FLOOD	26-Jan-07	100.00	1,11	18.4	5.64	5.59	5.62	76.1	74,9	B.4	32.8	1.6	1.6	1.7	9.5	7.1
697	WWA3	S	MID-FLOOD	26-Jan-07	1		18.5	5.70	5.62		76.5	75.5	8.5	32.8	3.1	3.1		5.0	
698	WWA3	M	MID-FLOOD	26-Jan-07	12:30	7.30	18.3	6,12	6.10	5.89	79.5	79.6	8.5	32.8	2.8	2.8]	6.0]
699	WWA3	В	MID-FLOOD	26-Jan-07	1		18.4	6.01	5.98	6.00	80.3	79.6	8.5	32.8	2.5	2.6	2.8	7.0	6.
700	WRA1	S	MID-FLOOD	26-Jan-07	1		18.3	5.92	5.88		78.5	78.D	8.4	32.9	1.9	1.9		6.0	
701	WRA1	M	MID-FLOOD	26-Jan-07	13:10	35,20	18.3	5.63	5.58	5.75	75.0	74.6	B.4	32.9	1.8	1.8]	10.0]
702	WRA1	В	MID-FLOOD	26-Jan-07	1	1	18.3	6.07	6.05	6.06	80.7	80.2	8.4	32.9	1.7	1.6	1.8	5.5	7.
703	WRA2	S	MID-FLOOD	26-Jan-07	-	_	18.3	6.02	6.01		77.5	77.9	8.4	32.9	1.7	1.7		5.0	
704	WRA2	M	MID-FLOOD	26-Jan-07	13:24	35.30	18,1	6.36	6.34	6.18	84.0	82.6	8.4	33.0	2.9	2.8	1	8.0	1
	WRA2		MID-FLOOD	26-Jan-07 26-Jan-07	1 15.24	35,55	18.1	6.34	6.32	6.33	85.9	85.8	8.4	33.1	1.9	1.8	2.1	5.5	6.
705 706	WRA3	В	MID-FLOOD		-	-	18.0	5.80	5.77	0.00	78.3	77.6	8.4	33.0	2.1	2.1		9.0	
		8		26-Jan-07	13:39	35.20	18.1	5.29	6.30	5.79	81.2	80.5	8.4	32.9	2.5	2.6	1	6.0	1
707	WRA3	M	MID-FLOOD	26-Jan-07	1 13.39	33,20	18.2	5.63	5.62	5.63	74.1	73.5	8.4	32.9	2.1	2.2	2.3	5.5	6.

100						\$\$\$\$\U.000	Tomo	E-270/02	and the same		DO, %	DO, %			028003355	London	NTU,		SS,
Lab ID	Location	Position	Tide	Sampling Date	Time	Water depth, m	Temp. °C	DO, mg/L (1)	DO, mg/L (2)	DO, Average value	saturation (1)	saturation (2)	pH, Unit	Salinity, ppt	Turbidity, NTU (1)	Turbidity, NTU (2)	Averaged Value	Suspended Solid, mg/L	Averaged Value
709	WWFCZ1	8	MID-FLOOD	26-Jan-07		12000	18.4	5.89	5.85		78.0	77.6	8.4	32.8	1.4	1.4		8.5	
710	WWFCZ1	M	MID-FLOOD	26-Jan-07	14:18	43.50	18.4	5.99	5.94	5.92	82.2	81.7	8.4	32.8	2.7	2.6		5.0	
	WWFCZ1	В	MID-FLOOD	26-Jan-07			18.4	6.39	6.37	6.38	84.1	83.9	8.4	32.8	3.4	3.3	2.4	8.5	7.3
712	WWFCZ2	S	MID-FLOOD	26-Jan-07			18.3	5.75	5.77		74.9	74.9	8.4	33,9	2.0	2.2		14.5	
	WWFCZ2	M	MID-FLOOD	26-Jan-07	14:02	42.90	18.3	5.99	5.96	5.87	80.4	79.6	8.4	32.8	2.3	2.4		5.0	
	WWFCZ2	В	MID-FLOOD	26-Jan-07			18.2	6.27	6.25	6.26	82.9	82.2	8.4	32.9	2.6	2.6	2.4	12.5	10.7
715	WFCZR1	S	MID-FLOOD	26-Jan-07		(1167670)	18.7	6.37	6.35		82.6	82.4	8.4	30.7	2.3	2.3		9.5	
716	WFCZR1	М	MID-FLOOD	26-Jan-07	14:30	41.30	18.3	6.46	6.44	6,41	84.6	84.4	8.4	32.7	2.9	2.8		8,0	
717	WFCZR1	В	MID-FLOOD	26-Jan-07			18.3	5.94	5.90	5.92	79.0	78.4	8.4	32.7	3.2	3.2	2.8	6,0	7.8
718	WFCZR2	S	MID-FLOOD	26-Jan-07	-22-22	022201	18.2	5.93	5.91	6 5025 1	79.9	78.9	8.5	32.9	1,9	1.9		6.5	
719	WFCZR2	M	MID-FLOOD	26-Jan-07	13:50	42.70	18.3	5.81	5.80	5.86	78.2	77.6	8.4	32.8	1.9	1.8		5.0	06,00
720	WFCZR2	В	MID-FLOOD	26-Jan-07			18.3	6.34	6.35	6.35	83.3	82.6	8.4	32.5	2.2	2,4	2.0	8,0	6.5
721	WWA1	S	MID-EBB	29-Jan-07			18.0	6.22	6.17		83.0	82.2	8.4	32.6	3.2	3,3		7.0	
722	WWA1	М	MID-EBB	29-Jan-07	9:28	6.70	18.0	6.27	6.28	6.24	81.3	81.0	8.4	32.7	1,8	1.8		5.5	
723	WWA1	В	MID-EBB	29-Jan-07	_		17.8	6.55	6.53	6.54	83.4	83.5	8.4	32.9	2.7	2.6	2.5	6.5	6.3
724	WWA2	S	MID-EBB	29-Jan-07	9:13	6.90	18.0	6.12 5.94	6.08 5.92		81.3 79.9	80.5 79.3	8.5	32.8	2.0	1,8		5.0	
726	WWA2	M B	MID-EBB MID-EBB	29-Jan-07 29-Jan-07	9:13	0,90	18.1	6.12		6.02			8.5	32.8	2.3	2.4		6.0	l same
727	WWA3	S	MID-EBB	29-Jan-07	_		18.3	6.12	6.11	6.12	79.6 80.7	79.2 80.2	8.5	32.5	3.2	3.1	2.5	5.0	5.3
728	WWA3	M	MID-EBB	29-Jan-07	9:00	7.30	18.2	6.29	6.25	6.19	82.2	81.8	8.4	32.4 32.5	2.0	3.3		7.0	i i
729	WWA3	B	MID-EBB	29-Jan-07	5.00	7.30	17.9	6.35	6.33	6.34	83.1	82.3	8.4	32.8	3.2	2.5	2.6	15.5	0.0
730	WRA1	S	MID-EBB	29-Jan-07	_	_	18.0	6.27	6.26	0,34	81.3	81.2	8.5	32.8	2.3	2.3	2.0	5.0 10.5	9.2
731	WRA1	M	MID-EBB	29-Jan-07	9:40	35,20	17.8	6.17	6.12	6.21	82.4	81.8	8.5	32.8	4.7	4.7		12.0	
732	WRA1	B	MID-EBB	29-Jan-07	0.40	00.20	17.9	6.41	6.40	6,41	82.4	82.2	8.5	32.7	3.8	3.8	3.6	6.5	9.7
733	WRA2	S	MID-EBB	29-Jan-07			17.8	6.01	6.01	0.41	79.0	78.5	8.5	33.2	1.7	1.7	3.0	13.5	9,7
734	WRA2	M	MID-EBB	29-Jan-07	9:53	34.80	18.0	5.95	5.94	5.98	76.3	76.4	8.5	32.9	1.8	1.8	1	6.5	
735	WRA2	В	MID-EBB	29-Jan-07	0,00		17.8	5,99	5.96	5.98	80.6	79.9	8.5	33.0	2.7	2.7	2.1	10.5	10.2
736	WRA3	S	MID-EBB	29-Jan-07			17.8	6.19	6.08		83.1	81.8	8.5	33.0	1.5	1.6	- 40.1	9.0	10.2
737	WRA3	M	MID-EBB	29-Jan-07	10:08	35.10	18.0	5.80	5.78	5.96	76.5	75.9	8.5	32.9	2.7	2.8		9.0	
738	WRA3	В	MID-EBB	29-Jan-07	16 (0.00)	200000	18.1	6.34	6.31	6.33	83.3	83.4	8.5	32.9	1.8	1.7	2.0	8.5	8.8
739	WWFCZ1	S	MID-EBB	29-Jan-07			18.3	5.83	5.80		75.4	75.5	8.5	32.3	2.0	2.1		5.0	
740	WWFCZ1	M	MID-EBB	29-Jan-07	10:45	42.70	18.1	5.67	5.64	5.74	75.3	74.7	8.5	32.8	2.7	2.5	3	5.0	
741	WWFCZ1	В	MID-EBB	29-Jan-07			18.1	6.54	6.55	6.55	81.9	82.3	8.5	32.9	2.6	2.5	2.4	5.0	5.0
742	WWFCZ2	S	MID-EBB	29-Jan-07			18.2	6.07	6.06		79.0	78.9	8.5	32.8	1.8	1.8		8.5	
743	WWFCZ2	M	MID-EBB	29-Jan-07	10:32	42.60	18.1	5.81	5.79	5.93	77.1	76.3	8.5	32.8	2.7	2.7		5.0	
	WWFCZ2	В	MID-EBB	29-Jan-07			18.2	6.07	6.05	6.06	79.2	79.0	8,5	32.8	2.4	2.4	2.3	10.5	8.0
	WFCZR1	S	MID-EBB	29-Jan-07	orna.	20000000	18.2	5,89	5.83		79.3	78.9	8.5	32.9	2.0	2.1		5.0	
	WFCZR1	M	MID-EBB	29-Jan-07	11:00	40.90	18.1	6,00	5.96	5.92	81,5	80.3	8.5	32.8	2.8	2.8		8.0	
747	WFCZR1	В	MID-EBB	29-Jan-07			18.0	6.11	6.06	6.09	80.7	80.3	8.5	33.0	2.3	2.5	2.4	6.5	6.5
748	WFCZR2	S	MID-EBB	29-Jan-07			17.4	6.17	6.20		82.5	82.6	8.5	33.0	2.1	2.2		8.0	
749	WFCZR2	M	MID-EBB	29-Jan-07	10:20	42.50	17.9	5.85	5.83	6.01	76.2	75.9	8,5	32.8	2.7	2.7		5.0	
750	WFCZR2	В	MID-EBB	29-Jan-07			17.9	6.58	6.59	6.59	83.9	84.0	8.5	32.8	2.2	2.3	2.4	7.0	6.7
751	WWA1	5	MID-FLOOD	29-Jan-07	****	0.00	18.4	6.64	6.59		88.5	88.0	8.5	32.9	2.9	3.0		5.5	
752	WWA1	M	MID-FLOOD	29-Jan-07	14:57	6.90	18.4	6.17	6.16	6,39	81.3	80.9	8.5	32.8	1.9	1.8	8 1	7.0	

G: lenvi project (24583) env_data marine (impact) Data Evaluation monthly)

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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
753	WWA1	8	MID-FLOOD	29-Jan-07			18.3	6.62	6.61	6.62	86.5	66_3	8.5	32,8	2_4	2.6	2.4	6.5	6.3
754	WWA2	S	MID-FLOOD	29-Jan-07			18.7	6.44	6.43		85_0	84.9	8,5	32,7	2.1	2.2		6,5	
755	WWA2	М	MID-FLOOD	29-Jan-07	14:44	7.10	18.4	6.07	6.08	6.26	79.8	78.6	8,5	32.8	2.4	2.4		9,5	
756	WWA2	В	MID-FLOOD	29-Jan-07			18.2	6,21	6.18	6,20	84.9	85.7	8.5	32.8	3,3	3,4	2,6	6,0	7.3
757	WWA3	S	MID-FLOOD	29-Jan-07			18.4	6,38	6,34		85,5	84,3	8,5	32,9	2,2	2.2		7.5	
758	VVVVA3	М	MID-FLOOD	29-Jan-07	14:30	7.40	18.3	6,02	6.05	6.20	81.7	81.1	8.5	32.8	3.1	3.2		5,5	
759	WWA3	В	MID-FLOOD	29-Jan-07			18.2	6,33	6,31	6,32	83.3	83.4	8.5	32.8	3.1	3.2	2,8	10,5	7.8
760	WRA1	S	MID-FLOOD	29-Jan-07		- 5	17.9	6,19	6.14		82.2	81.6	8.5	33.3	2.4	2.4		13.0	
761	WRA1	M	MID-FLOOD	29-Jan-07	15:09	35,80	18.0	6,21	6_19	6.18	81.8	81.2	8,5	32.8	3.8	3.5		9.0	f.
762	WRA1	В	MID-FLOOD	29-Jan-07			18.0	6,39	6,38	6,39	81.1	81.3	8,5	32.9	4.1	4_3	3.4	5.0	9.0
763	WRA2	S	MID-FLOOD	29-Jan-07			18.0	5,96	5,89		80.7	79,7	8.5	32,9	1.9	1.8		7.0	
764	WRA2	M	MID-FLOOD	29-Jan-07	15:28	35,10	18.0	5,97	6,01	5,96	80.4	79.4	8,5	32.6	2.0	1.9		5.0	E .
765	WRA2	В	MID-FLOOD	29-Jan-07			18.0	6,31	6,32	6.32	82.0	81_8	8.5	32.9	2.6	2.6	2.1	5.0	5.7
766	WRA3	S	MID-FLOOD	29-Jan-07			18.4	5,96	5.91		78.2	78.0	8,5	32,8	1,6	1,6		6.0	
767	WRA3	M	MID-FLOOD	29-Jan-07	15:39	35,50	18.0	6.44	6_43	6,19	84.7	84.3	8,5	33,0	2.4	2.4		5.5	6
768	WRA3	В	MID-FLOOD	29-Jan-07			18,0	6.21	6.17	6.19	82.0	81,6	8,5	32,9	2.2	2.4	2.1	5.5	5_7
	WWFCZ1	S	MID-FLOOD	29-Jan-07			17.7	6,27	6.24		82.9	82.4	8_5	33.1	2.2	2.3		5.0	is.
	WWFCZ1	M	MID-FLOOD	29-Jan-07	16:17	43,90	17.9	6,44	6,43	6,35	83.0	82,9	8.5	33,0	2,7	2.7		5_0	í.
	WWFCZ1	В	MID-FLOOD	29-Jan-07			17.6	6,50	6,51	6,51	84,2	83.8	8.5	33,2	2.5	2,5	2,5	5.0	5,0
	WWFCZ2	S	MID-FLOOD	29-Jan-07			17.9	6,29	6.24		83,3	82,3	8.5	33.0	2.1	2,3		6.5	
	WWFCZ2	М	MID-FLOOD	29-Jan-07	16:04	43,20	18_0	6,06	6.05	6.16	78.0	77_9	8.5	32.9	2,2	2.4		6_0	lo I
	WWFCZ2	В	MID-FLOOD	29-Jan-07			18.0	6,25	6.27	6,26	80,7	80,4	8.5	32,9	2.8	2,5	2,4	6.5	6,3
	WFCZR1	S	MID-FLOOD	29-Jan-07			18.4	6.40	6.37		84.0	83.7	8.4	32.5	2.1	2,2		5,5	
	WFCZR1	M	MID-FLOOD	29-Jan-07	16:30	41.70	16.3	6,59	6,60	6.49	85,6	85_4	8.4	32,5	2,4	2,5		7.0	
	WFCZR1	В	MID-FLOOD	29-Jan-07			18.1	6.52	6.54	6.53	84,6	84_5	8.4	32,8	2,6	2.7	2,4	5,0	5.8
	WFCZR2	S	MID-FLOOD	29-Jan-07	40.00	42.40	18.1	6.39	6.37		83.6	83.4	8.5	32,9	3.2	3,3		5.0	
	WFCZR2	M	MID-FLOOD	29-Jan-07	15:53	43_10	16.1	6.42	6.37	6,39	85.4	84,3	8.5	32,9	3.3	3,4		9.0	
781	WFCZR2 WWA1	B	MID-FLOOD	29-Jan-07			17.9	6.25	6.31	6,28	78.1	78.7	8.5	32,9	3.4	3.4	3,3	7.0	7.0
782	WWA1		MID-EBB	31-Jan-07	40.40	6,70	18.4	7.12	7.10		94.7	94.2	8_1	32 _. B	3,6	3,5		8,5	
783	WWA1	M B	MID-EBB MID-EBB	31-Jan-07 31-Jan-07	13:19	6,70	18.2	7.16 6.99	7.12 6.92	7.13 6.96	94.2	93 B	8_1	32,8	3,9	3.8		12.0	
784	WWA2	S	MID-EBB		_	_	18.0	7.01		6,96	93,5	92.8	8.1	32.8	3.0	3.1	3,5	9.5	10.0
785	WWA2	M	MID-EBB	31-Jan-07 31-Jan-07	13:10	7.10	18.8	7.06	6.96 7.02	7.04	94.0	93.6	8.1	32.8	3,2	3.1		10.5	
786	WWA2	B	MID-EBB	31-Jan-07	13.10	7.10	18.4	6.95	6.90	7.01 6.93	93.1	92.9	8.1	32.8		3.5		9.5	40.0
787	WWA3	S	MID-EBB		_	_				6,93	91.7	91.5	8.1	32,8	3.6		3,4	11.0	10_3
788	WWA3	M	MID-EBB	31-Jan-07 31-Jan-07	13:00	6.90	18.9	7.11	7.05 6.98	7.04	93.9	93.6	8.1	29,5	3,6	3,5		8.0	
789	WWA3	B	MID-EBB	31-Jan-07	15.00	0.90	18.4	7.00	6.93	6.97	94.1	93.5	8.1	32.9 32.8	3,8	3.7	0.5	7.5 8.5	0.0
790	WRA1	S	MID-EBB	31-Jan-07 31-Jan-07	_		17.9	6.83	6.75	0,97		92.1	8.1				3.5	6.5	8.0
791	WRA1	M	MID-EBB	31-Jan-07	13:30	33.00	11.	6.82	6.76	8.70	92.6 91.6	91.1	8.2	32.8	4.2 3.7	4,1		6.5	
792	WRA1	B	MID-EBB	31-Jan-07	13.30	33.00	18.0	7.04	6.98	6.79 7.01		90,8	8.2	32.8		3,5			
793	WRA1	S	MID-EBB	31-Jan-07	-	-	18.2	6.98	6.88	7.01	92.8 92.6	92.4	8.2	32.6	3.2	3,2	3,6	5.5	6.2
794	WRA2	M	MID-EBB	31-Jan-07	13:42	28.30	18.2	6.83	6.77	0.07		91.7	8.2	32.8		3.5		6.5	
795	WRA2	B	MID-EBB	31-Jan-07	13.42	20,30	18.1	6.75	6.69	6.87 6.72	91.3 91.7	90.4	8.2	32.9	3.0	3.1		5.5	7.0
796	WRA3	S	MID-EBB	31-Jan-07	_		18.2	6.79	6.75	0.72	91.7	90.7	8.2	32.8 32.8	4.0 3.3	3.8	3.5	9.5 5.0	7.2

											DO, %	DO, %					NTU,		\$\$,
Lab				gr	7.22	Water	Temp.	DO, mg/L			saturation	saturation			Turbidity,	Turbidity,	Averaged	Suspended	
ID	Location	Position	Tide	Sampling Date	Time	depth, m	°C	(1)	(2)	DO, Average value	(1)	(2)	pH, Unit	Salinity, ppt	NTU (1)	NTU (2)	Value	Solid, mg/L	Value
797	WRA3	М	MIO-EBB	31-Jan-07	13:53	26,90	18,1	6,59	6,52	6,66	90.7	89,5	8.2	32.8	4.5	4.4		15.5	
798	WRA3	В	MID-EBB	31-Jan-07			18.0	6.86	6.80	6,83	91.8	90.3	8.2	32.8	4,2	4.2	4.0	7.5	9,3
799	WWFCZ1	S	MID-EBB	31-Jan-07	-		17.8	6,76	6,71		91.6	90.5	8_1	32.9	4.5	4.3		7.0	
800	WWFCZ1	M	MID-EBB	31-Jan-07	14:38	38,60	17.8	6.89	6.81	6.79	93.3	91.6	8.1	32.9	4.0	4.1		6,5	
601	WWFCZ1	В	MID-EBB	31-Jan-07			18.0	6.98	6,97	6,98	91.4	90,9	8.1	32.8	3.3	3.5	4.D	9.5	7.7
802	WWFCZ2	S	MID-EBB	31-Jan-07			18.0	6,60	6.53		86,6	85.7	B.1	32.8	3,2	3.2		7.5	
803	WWFCZ2	M	MID-EBB	31-Jan-07	14:25	37,40	18.0	6.82	6.75	6,68	91,3	90_4	8.1	32.8	5.0	4.9		5.5	
804	WWFCZ2	В	MID-EBB	31-Jan-07			17.8	6.84	6.75	6,80	93.5	92.0	8.1	32.9	3.7	3,8	4.0	5.0	6.0
605	WFCZR1	S	MID-EBB	31-Jan-07			18.2	6,77	6,70		92.6	91.6	8.1	32.8	3.3	3.2		10,5	
806	WFCZR1	M	MID-EBB	31-Jan-07	14:50	42,80	18,1	6.67	6,61	6,69	90.2	88.8	8.1	32.9	3,3	3,4		7.5	
807	WFCZR1	В	MID-EBB	31-Jan-07			17.9	6.82	6.76	6.79	91.0	90.2	8.1	32.9	5.0	4,9	3.8	10.5	9.5
808	WFCZR2	S	MID-EBB	31-Jan-07			17.8	6.53	6.49		88.5	87.4	8.1	32.7	3.5	3.6		9.0	
809	WFCZR2	M	MIO-EBB	31-Jan-07	14:10	43.10	17.8	6.42	6.41	6.46	85.7	84.6	8.1	32.7	3.7	3.8		8.5	í.
810	WFCZR2	В	MID-EBB	31-Jan-07			18.0	6.77	6.74	6.76	90.2	89.0	8.1	32.8	3.2	3,3	3.5	14.0	10.5
811	WWA1	S	MID-FLOOD	31-Jan-07			18.0	6.65	6.60		89.4	88.2	8.2	32.9	3.7	3.7		5.5	
812	WWA1	M	MID-FLOOD	31-Jan-07	9:49	7.10	18.0	6.92	6.89	6.77	90.6	90.1	8.2	32.8	3.8	3.9		13.0	
813	WWA1	В	MID-FLOOD	31-Jan-07	2		18.0	6.81	6.77	6.79	89.6	89.0	8.2	32.7	2.7	2.7	3.4	6.5	8,3
814	WWA2	S	MID-FLOOD	31-Jan-07			18.0	7.08	7.02		92.7	91.9	8.1	32.9	3.1	3.2		16.5	
815	WWAZ	M	MID-FLOOD	31-Jan-07	9:40	7.40	17.9	6.75	6.72	6.89	89.6	89.1	8.1	32.6	3.2	3.3		9.0	
816	WWA2	- 8	MID-FLOOD	31-Jan-07		1 92	18.0	6.63	6.57	6.60	88.6	87.9	8.1	32.9	4.0	3.9	3.4	13.0	12.8
817	WWA3	S	MID-FLOOD	31-Jan-07	-		18.0	6,90	6.86		92.8	91.9	8.1	32.9	3.3	3.4		7.0	-
818	WWA3	M	MID-FLOOD	31-Jan-07	9:30	7,40	17.8	6.91	6.90	6.89	90.6	90.0	8.1	32.9	4.4	4.5		8.5	6
819	WWA3	8	MID-FLOOD	31-Jan-07			17.8	6.81	6.77	6.79	90.2	89.3	8.1	32.9	2.9	2.9	3.6	8.5	B.D
820	WRA1	S	MID-FLOOD	31-Jan-07			18.3	6.21	6.18	3.7.2	80.1	79.5	8.2	32.9	4.1	4.1		6.0	
821	WRA1	M	MID-FLOOD	31-Jan-07	10:00	34.00	18.2	6.58	6.47	6,36	82.9	81.3	8.2	32.8	1.9	1.8		8.0	
822	WRA1	В	MID-FLOOD	31-Jan-07			17.9	6.81	6.76	6.79	89.3	88.7	8.2	32.8	3.2	3.3	3.0	9.0	7.7
823	WRA2	S	MID-FLOOD	31-Jan-07	-		18.1	5.84	5.77		79.6	78.3	8.2	32.9	3.1	3.1		5.5	
824	WRA2	M	MID-FLOOD	31-Jan-07	10:12	30.00	17.9	5.76	5.73	5.78	80.1	79.6	8.2	32.9	1.8	1.6		7.5	
825	WRA2	В	MID-FLOOD	31-Jan-07			18.0	5.72	5.63	5.68	74.5	73.7	8.2	32.9	3.8	3.9	2.9	5.5	6.2
826	WRA3	S	MID-FLOOD	31-Jan-07			17.9	5.69	5.63		75.3	74.6	8.1	33.4	3.1	3.2		6.5	
827	WRA3	M	MID-FLOOD	31-Jan-07	10:24	30.50	18.0	5.54	5.51	5.59	75.4	73.9	8.1	33.1	4.4	4.4		6.0	
828	WRA3	В	MID-FLOOD	31-Jan-07		55	18.0	5.77	5.73	5.75	75.4	74.1	8.1	32.9	5.0	5.2	4.2	8.0	6.8
829	WWFCZ1	S	MID-FLOOD	31-Jan-07			17.9	5.81	5.79		76.3	75.7	8.1	32.4	4.3	4.1		37.5	
830	WWFCZ1	M	MID-FLOOD	31-Jan-07	11:07	40.00	18.0	5.62	5.51	5.71	73.0	72.8	8.1	32.9	4.8	4.6		25.0	į.
831	WWFCZ1		MID-FLOOD	31-Jan-07			17.9	5.53	5.50	5.52	72.0	71.8	8.1	32.9	3.0	2.8	3.9	24.0	28.8
832	WWFCZ2		MID-FLOOD	31-Jan-07			18.1	5.45	5.41	7.55	73.9	73.4	B.1	32.7	2.8	2.B		10.0	
833	WWFCZ2		MID-FLOOD	31-Jan-07	10:51	39.30	18.0	5.85	5,84	5.64	76.7	76.3	B.1	32.8	6.2	6.2		13.5	ř.
834	WWFCZ2		MID-FLOOD	31-Jan-07			17.7	5.91	5.89	5.90	75.6	74.2	8.1	32.5	4.2	4.2	4.4	13.5	12.3
835	WFCZR1		MID-FLOOD	31-Jan-07			18.0	6.02	5.99	3.00	77.5	77.4	8.2	32.7	1.8	1.7		6.5	.2.0
836	WFCZR1	M	MID-FLOOD	31-Jan-07	11:20	43.60	18.1	5.98	5.94	5.98	77.9	77.7	8.2	32.9	2.8	2.6		11.5	
837	WFCZR1	В	MID-FLOOD	31-Jan-07			18.1	5.89	5,88	5.89	76.9	76.7	8.2	32.8	6.4	6.3	3.6	11.5	9.8
838	WFCZR2	S	MID-FLOOD	31-Jan-07			18.0	5.76	5.63	0.00	7.3	76.5	B.1	32.8	2.9	2.8	0.0	13.0	0.0
839	WFCZR2	M	MID-FLOOD	31-Jan-07	10:38	43.40	18.0	5.69	5.61	5.67	78.2	77.5	8.1	32.9	3.9	3.8		19.0	
840	WFCZR2	В	MID-FLOOD	31-Jan-07	1		17.9	5.51	5.48	5.50	73.8	72.7	8.1	32.8	4.1	4.1	3.6	21.0	17.7
-70	THE WEIGH			JI-oun-of			11.5	0.01	0.40	U.Ver	LVIV	14.1	V-1	96.9	7-1	27-3	3.0	41.0	4.1-1

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Appendix E
Investigation Summary
on Marine Water Quality
Exceedances



						ı	Exceedance	of Monitorin	ıg Data							
D.t.	T1.4.			DO	(mg/L)			Tby (NTU)			SS (mg/L)		ETI- laurational	OTI	Ole ele e Dete	Bt.
Date	Tide	Location	Position	Baseline Check	Control Station	Level at Impact Station	Baseline Check	Control Station	Level at Impact Station	Baseline Check	Control Station	Level at Impact Station	ET's investigation	CT's action	Closing Date	Remark
4-Jan-07	Mid-flood	WWFGZ2	-	-		1	•	-	-	17.0	17.2		Neither muddy water nor abnormal activities which would likely cause deterioration of water quality were observed at all impact monitoring stations on 04 January 2007 by ET's field staff. The location of WWFCZ2 is far away from the construction sites and no exceedances were recorded at other impact monitoring stations (WWA1, WWA2 and WWA3), which are closer to the construction site. In addition, high level of SS (17.2 mg/L) was recorded at control station, WFCR2. No marine works were being conducted during monitoring period. The exceedance is considered unlikely due to the construction activities of the Project. The Contractor, however, was reminded to maintain regular clearance of perimeter channels at site boundaries to intercept stormwater entering the site and implement appropriate mitigation measures to minimize run-off of muddy site effluent into storm drains.	No action	18-Jan-06	Refer to ET's field record & CT's daily records.

						ı	Exceedance	of Monitorin	g Data							
D. t.	T: 4.			DO	(mg/L)			Tby (NTU)			SS (mg/L)	ETI- luuratiustias	OTIC calles	Olasia a Data	P
Date	Tide	Location	Position	Baseline Check	Control Station	Level at Impact Station	Baseline Check	Control Station	Level at Impact Station	Baseline Check	Control Station	Level at Impact Station	- ET's investigation	CT's action	Closing Date	Remark
6-Jan-07	Mid-ebb	WWA2					-	1	-	13.0	12.8	17.3	Neither muddy water nor abnormal activities which would likely cause deterioration of water quality were observed at all impact monitoring stations on 06 January 2007 by ET's flield staff. Higher levels of SS (>10 mg/L) was recorded at control stations. In addition, the location of WWFCZ2 is far away from the construction sites. No marine works were being conducted on the same day. The exceedances are considered unlikely due to the construction activities of the Project. The Contractor, however, was reminded to maintain regular clearance of perimeter channels at site boundaries to intercept stormwater entering the site and implement appropriate mitigation measures to minimize run-off of muddy site effluent into storm drains.	No action	22-Jan-06	Refer to ET's field record & CT's daily records.
6-Jan-07	Mid-ebb	WWA3	-	-	-	-	-	-	-	13.0	14.2	14.3	Ditto	Ditto	Ditto	Ditto
6-Jan-07	Mid-ebb	WWFCZ2	-	-	-	-	6.5	5.5	7.6	13.0	10.8	14.8	Ditto	Ditto	Ditto	Ditto
6-Jan-07	Mid-flood	WWFCZ2	-	-	-	-	6.5	5.7	7.0	-	-	-	Ditto	Ditto	Ditto	Ditto

							Exceedance	of Monitorin	g Data							
Date	Tide	1 4'		DO	(mg/L)			Tby (NTU)			SS (mg/L	.)	ETI- love etherton	CT's action	Olasiaa Data	Remark
Date	Tide	Location	Position	Baseline Check	Control Station	Level at Impact Station	Baseline Check	Control Station	Level at Impact Station	Baseline Check	Control Station	Level at Impact Station	ET's investigation	CT S action	Closing Date	нетагк
8-Jan-07	Mid-ebb	WWFCZ2				-		-	-	13.0	10.8		Neither muddy water nor abnormal activities which would likely cause deterioration of water quality were observed at all impact monitoring stations on 08 January 2007 by ET's field staff. No marine works were being conducted on the same day. In addition, the location of WWFCZ2 is far away from the construction sites. The exceedances are considered unlikely due to the construction activities of the Project. The Contractor, however, was reminded to maintain regular clearance of perimeter channels at site boundaries to intercept stormwater entering the site and implement appropriate mitigation measures to minimize run-off of muddy site effluent into storm drains.	No action	22-Jan-06	Refer to ET's field record & CT's daily records.
8-Jan-07	Mid-flood	WWA3	-	-	-	=	-	-	=	17.0	6.8	23.5	Ditto	Ditto	Ditto	Ditto

	Tide					i	Exceedance of	of Monitorin								
Date			DO (mg/L)					Tby (NTU)			SS (mg/L))			Ola ala a Bata	D
Date		Location	Position	Baseline Check	Control Station	Level at Impact Station	Baseline Check	Control Station	Level at Impact Station	Baseline Check	Control Station	Level at Impact Station	ET's investigation	CT's action	Closing Date	Remark
10-Jan-07	Mid-ebb	WWA1					-	-	-	13.0	10.2		Neither muddy water nor abnormal activities which would likely cause deterioration of water quality were observed at all impact monitoring stations on 10 January 2007 by ET's field staff. No marine works were being conducted on the same day. High SS levels (>10mg/L) were also recorded at respective control stations. The exceedances are considered unlikely due to the construction activities of the Project. The Contractor, however, was reminded to maintain regular clearance of perimeter channels at site boundaries to intercept stormwater entering the site and implement appropriate mitigation measures to minimize run-off of muddy site effluent into storm drains.	No action	26-Jan-06	Refer to ET's field record & CT's daily records.
10-Jan-07	Mid-ebb	WWA3	-	-	-	-	-	-	-	13.0	13.5	14.5	Ditto	Ditto	Ditto	Ditto

	Tide						Exceedance	of Monitorin								
Date			DO (mg/L)				Tby (NTU)			SS (mg/L)			ETI- luccasi cation	CT's action	Oleview Bete	B
Date		Location	Position	Baseline Check	Control Station	Level at Impact Station	Baseline Check	Control Station	Level at Impact Station	Baseline Check	Control Station	Level at Impact Station	- ET's investigation	Cr s action	Closing Date	Remark
22-Jan-07	Mid-ebb	WWFCZ2		-		-	-	-	-	13.0	5.8		Neither muddy water nor abnormal activities which would likely cause deterioration of water quality were observed at all impact monitoring stations by ET's fied staff on 22 January 2007. No marine works was conducted during monitoring period. The location of WWFCZ2 is far away from the construction site and no exceedances were recorded at other impact monitoring stations (WWA1, WWA2 and WWA3), which are closer to the construction site. The exceedance is considered unlikely due to the construction activities of the Project. The Contractor, however, was reminded to maintain regular clearance of perimeter channels at site boundaries to intercept stormwater entering the site and implement appropriate mitigation measures to minimize run-off of muddy site effluent into storm drains.	No action	2-Feb-06	Refer to ET's field record & CT's daily records.

	Tide						Exceedance	of Monitorin								
Data			DO (mg/L)				Tby (NTU)			SS (mg/L)				a:	Olereinen Bede	B
Date		Location	Position	Baseline Check	Control Station	Level at Impact Station	Baseline Check	Control Station	Level at Impact Station	Baseline Check	Control Station	Level at Impact Station	- ET's investigation	CT's action	Closing Date	Remark
31-Jan-07	Mid-flood	WWFCZ1	-	-		-			-	17.0	9.8		Neither muddy water nor abnormal activities were observed by our field staff during marine water quality monitoring. The silt curtain at Seawall B and desilting facilities were properly installed. No marine works was conducted during monitoring period. The monitoring station, WWFC21, is located far away from the site. SS Levels at other impact monitoring stations (WWA1, WWA2 and WWA3), locating closer to the construction site, were well within the Action/ Limit Levels. It is likely that the exceedance on 31 Jan 2007 was attributed to an unidentified source near WWFC21, and not related to the construction activities of the Project. Subsequent marine water quality monitoring was conducted on 02 February 2007, the Action/Limit Level was satisifed at all impact monitoring stations.	No action	8-Feb-06	Refer to ET's field record & CT's daily records.