

1 Monitoring Data

1.1 Monitoring Equipment

Noise	One noise monitoring location currently being used- AN2. The sound meter records in the 1/3 octave band.
Weather Station	The data used for this reporting period was taken from the Terminal Site meteorological station.
TSS	There are TSS meters on the each of discharges on the Siltbuster.
Sondes	The results are displayed graphically.
Discharge pipe flow	The results are displayed graphically.

1.2 Rainfall Data

Date	Rainfall mm
29/09/2011	0.6
30/09/2011	9.4
01/10/2011	0.0
02/10/2011	0.8
03/10/2011	1.8
04/10/2011	2.6
05/10/2011	6.8
Total	22

1.3 Summary

Environment	Comments
Weather	There was a total of 22mm of rainfall during the reporting period, with a temperature range of 4.8°C to 17.9°C.
Noise	Noise levels exceeded the permitted noise limit of 65dBLAeq for construction works on 4 th and 5 th October due to high winds and a high level personnel at AN2. The monitoring station is not a dwelling, and although it is being used for noise limit compliance monitoring it does not represent a noise-sensitive receptor. In order to demonstrate compliance with the Board's condition, noise modelling is now being carried out in respect of the nearest dwelling(s) for these events, and results are due in the near future.
Surface Water	Where there are gaps in the data on the surface water graphs, this is due to there being no discharge from the water treatment unit during that time. A technical error occurred with SB2 sonde from 29th September to 4th October resulting in a loss of data. The error has since been resolved. The surface water discharge from the siltbuster had elevated pH values during the reporting period.

Weekly Environmental Report Corrib Gas Pipeline

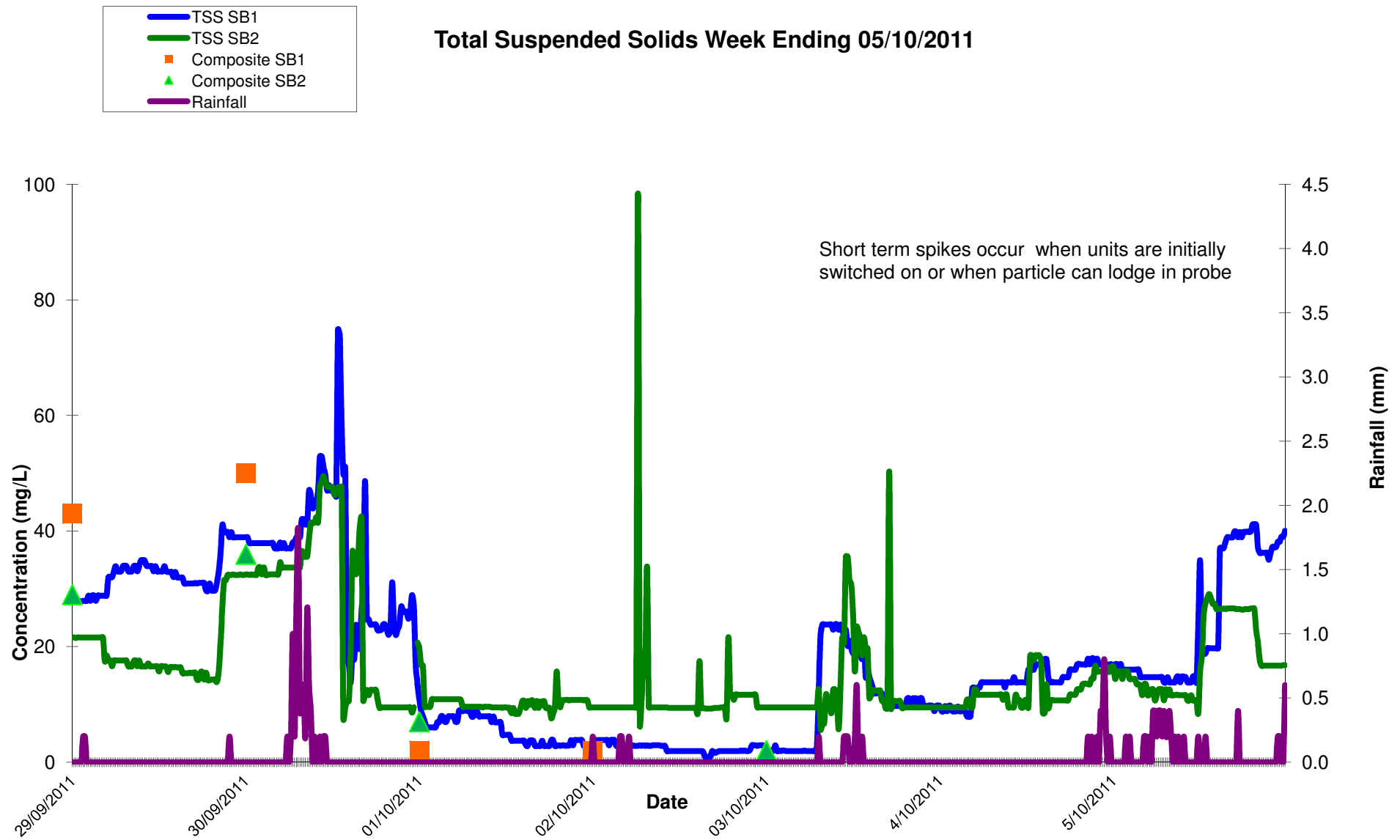
Week Ending 5th October 2011

2 Environmental Exceedances / Incidents /

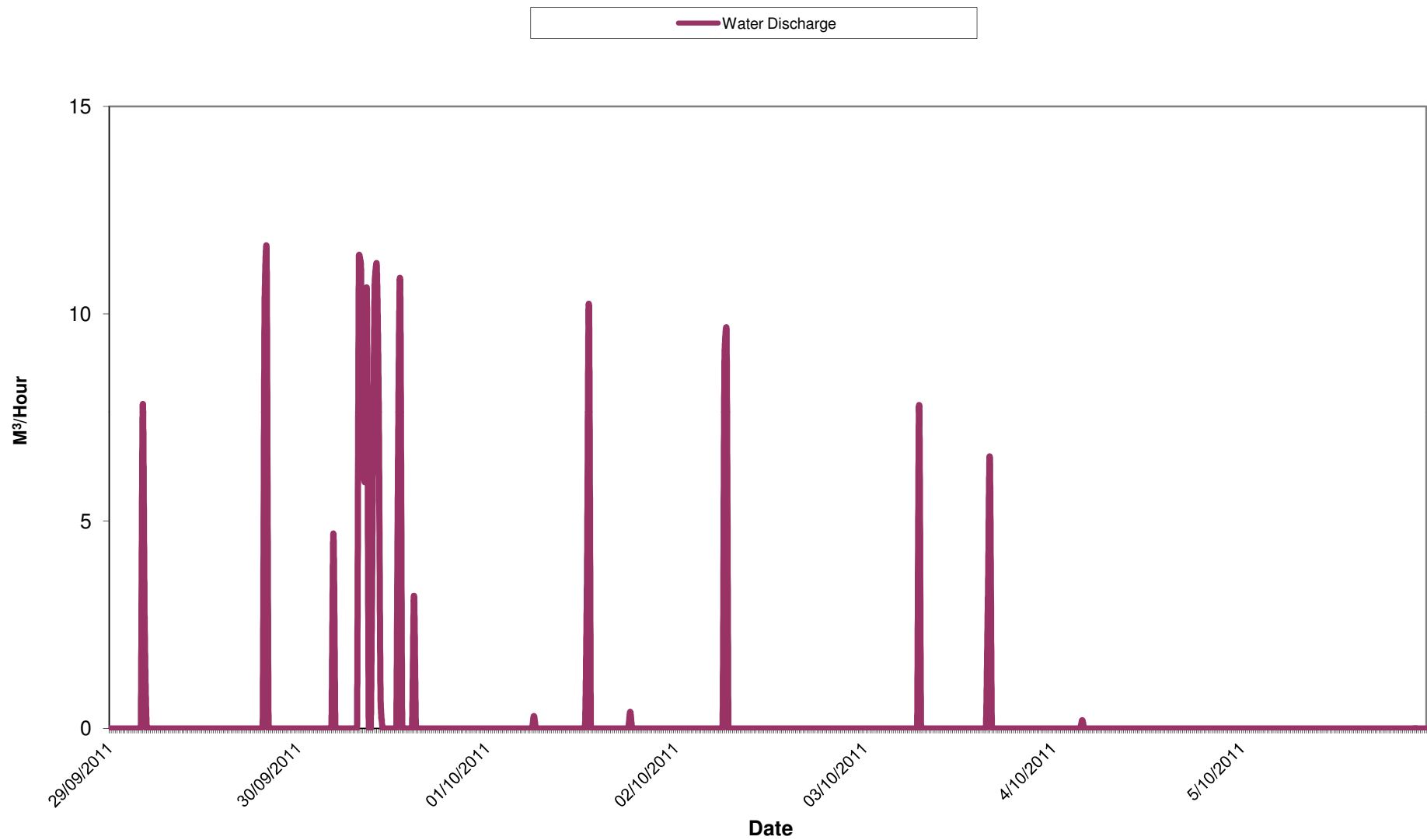
Date and Time	September 15th
Location	Silt Buster Discharge
Nature of Incident	Continued elevated pH of surface water from the silt buster treatment units over the target limits.
Actions Taken	<ul style="list-style-type: none">• Automatic dosing system has been adjusted down 1/0.5 of a pH unit• New dosing pumps have been ordered.• Continue to monitor pH of the surface water from the plant.
Category	Environmental Exceedance
Status	Open

Day Time Noise Monitoring Record Sheet										
Determinant Results										
Location	Air Temp. (Min)	Air Temp. (Max)	Start Date and Time	Duration	Wind		Results dB			*Comments
					Speed (m/s)*	Direction (Degrees)	L _{Aeq}	L _{Amax}	L _{Amin}	
Action Limit							60.0			
Target Limit							65.0			
AN2	12.5	17.9	29/09/2011 13:00	1:00	4.5	174.4	59.2	79.3	34.8	
AN2	9.1	17.5	30/09/2011 12:00	1:00	3.9	224.8	63.7	84.0	40.3	
AN2	10.5	13.6	03/10/2011 16:00	1:00	6.3	234.8	65.6	87.0	44.6	Elevated noise levels due to high winds
AN2	10.6	13.2	04/10/2011 09:00	1:00	4.8	234.6	69.2	83.4	40.3	High level of personnel activity near AN2
AN2	8.3	14.5	05/10/2011 12:00	1:00	7.4	246.7	68.6	87.5	49.8	Elevated noise levels due to high winds
* Wind speeds in excess of 5 m/s negatively impact noise readings (as per EPA Guidance Note on Noise Measurement).										
**Allowance of +/- 1.5dB accuracy of sound level meter (ref: IEC 61672 (2002-2005))										
The results show the maximum Laeq(1hr) for each day of monitoring										

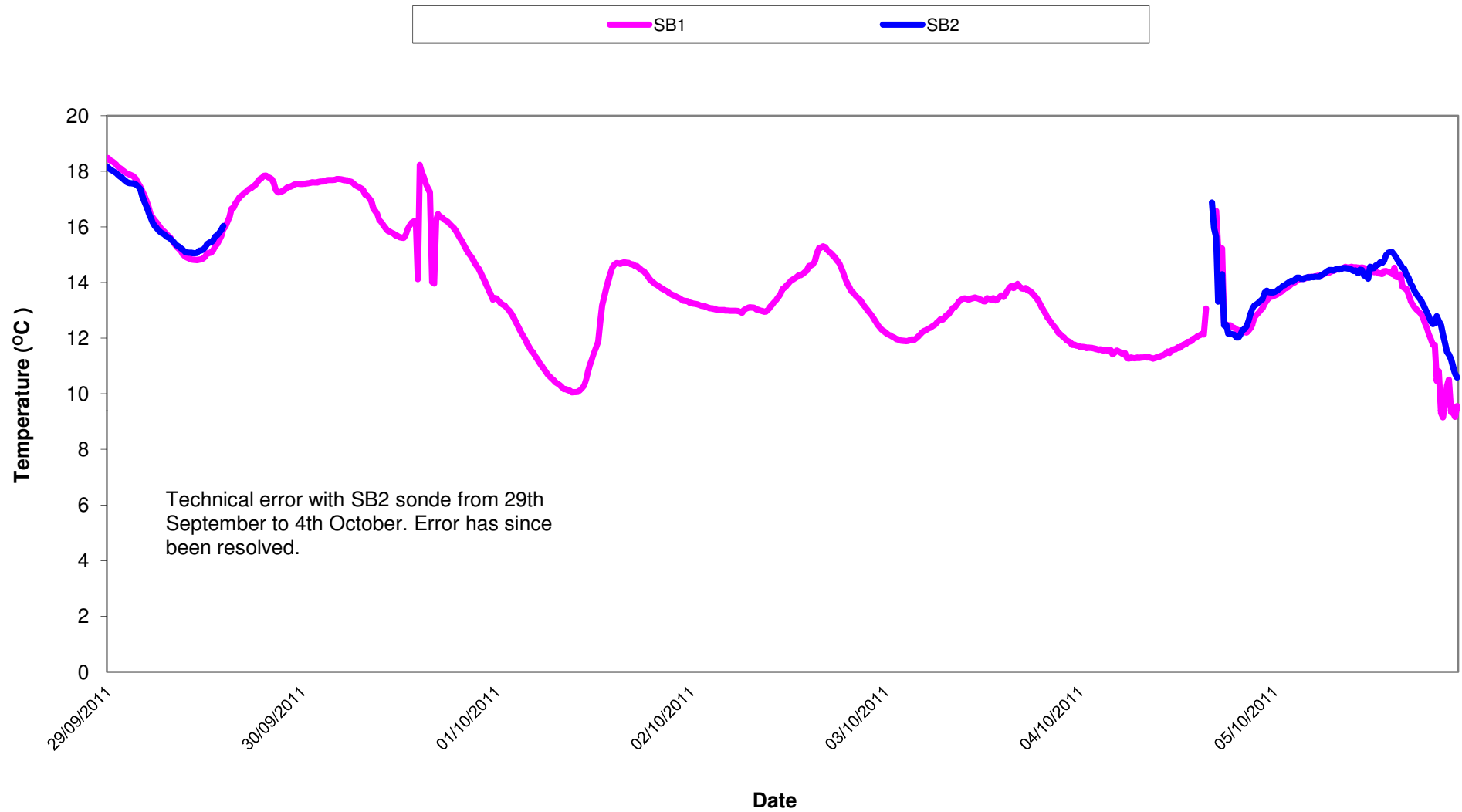
Total Suspended Solids Week Ending 05/10/2011



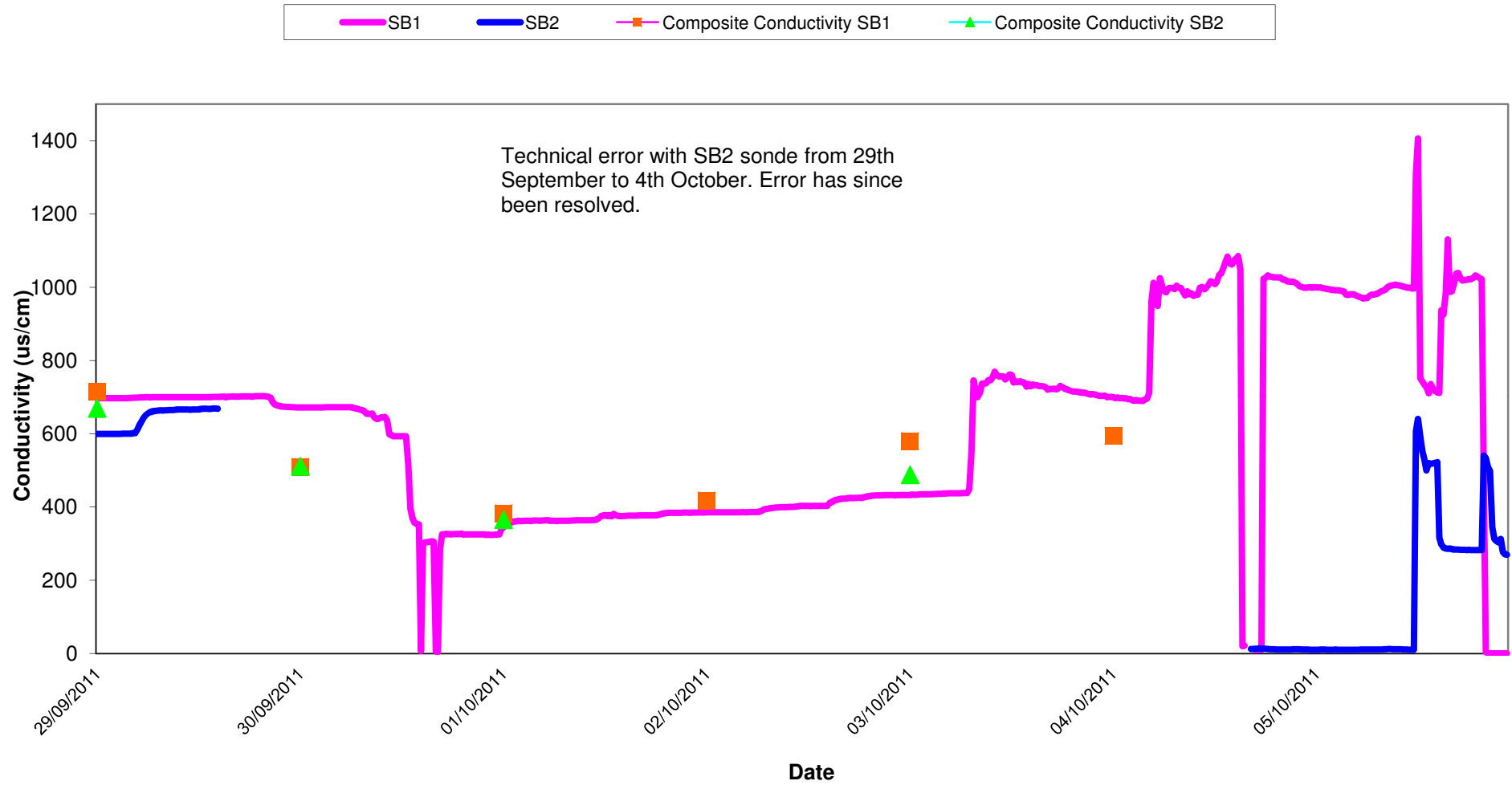
Surface Water Discharge
Weir Flow for Week Ending 05/10/2011



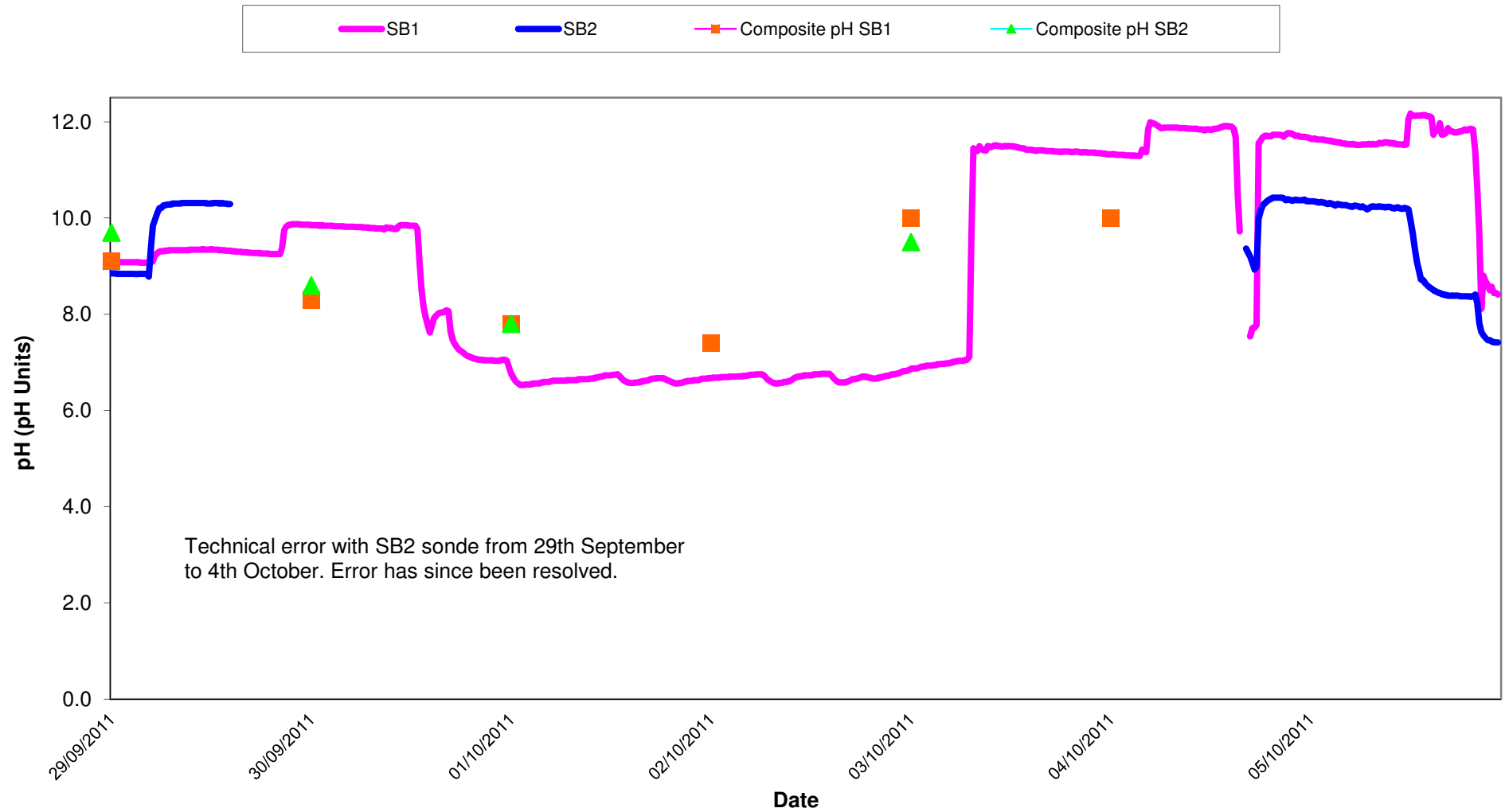
Temperature - Surface Waters Discharge Week ending 05/10/2011



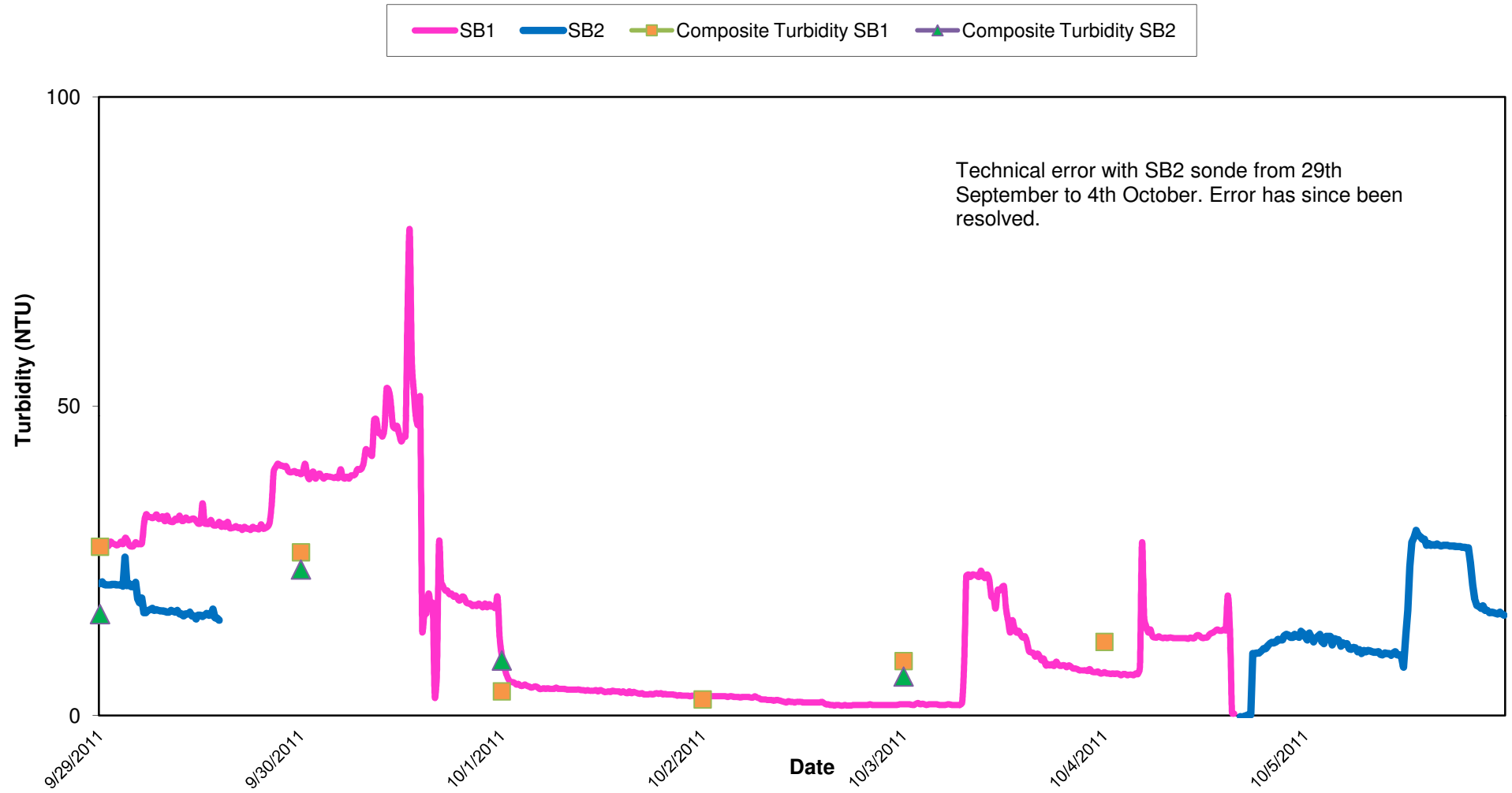
Conductivity - Surface Waters Discharge Week ending 05/10/2011



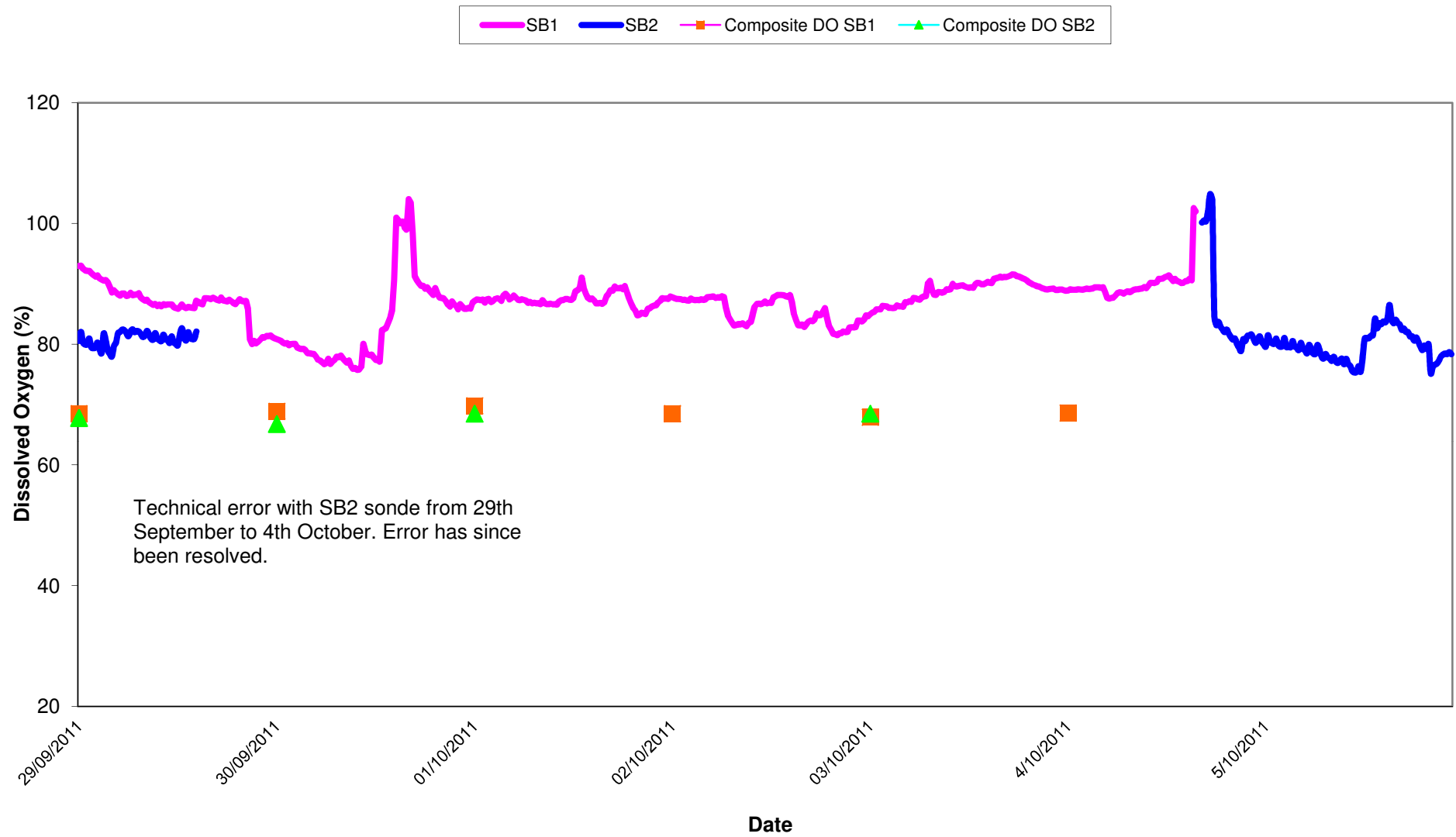
pH - Surface Waters Discharge Week Ending 05/10/2011



Turbidity - Surface Water Discharge Week ending 28/09/2011



Dissolved Oxygen - Surface Waters Discharge Week Ending 05/10/2011



Appendix 1

Appendix 1: Surface Water Monitoring Record Sheet- Onsite Monitoring							
Location	Date	Temp	DO	Cond.	Turbidity	pH	TDS
		C	% Sat	µS/cm	NTU	pH Units	ppm
DL2	29/9/2011	16.4	83.5	243.0	11.4	6.5	160
DL2	30/9/2011	15.9	58.5	292.0	43.8	6.9	196
DL2	03/10/2011	13.1	7.5	248.0	8.4	6.0	167
DL2	04/10/2011	12.8	38.0	283.0	10.3	7.0	190
DL2	05/10/2011	13.9	57.1	233.0	10.4	6.2	158
	Grey shaded areas denote parameters that cannot or were not analysed on-site.						
	= Indicative Only						
< LOD	= Below Limit of Detection			> LOD	= Above Limit of Detection		