

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
22/09/2011	0.0
23/09/2011	12.2
24/09/2011	4.2
25/09/2011	10.2
26/09/2011	3.6
27/09/2011	1.4
28/09/2011	1.6
Total	33.2

1.3 Summary

Environment	Comments
Weather	There was a total of 33.2mm of rainfall during the reporting period, with a temperature range of 6°C to 22.2°C.
Noise	Noise levels were within permitted ranges.
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. The surface water discharge from the siltbuster had elevated pH values during the reporting period.

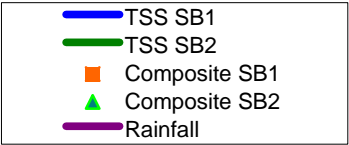
Weekly Environmental Report _____ Corrib Gas Pipeline

Week Ending _____ 28th September 2011

2 Environmental Exceedances / Incidents /

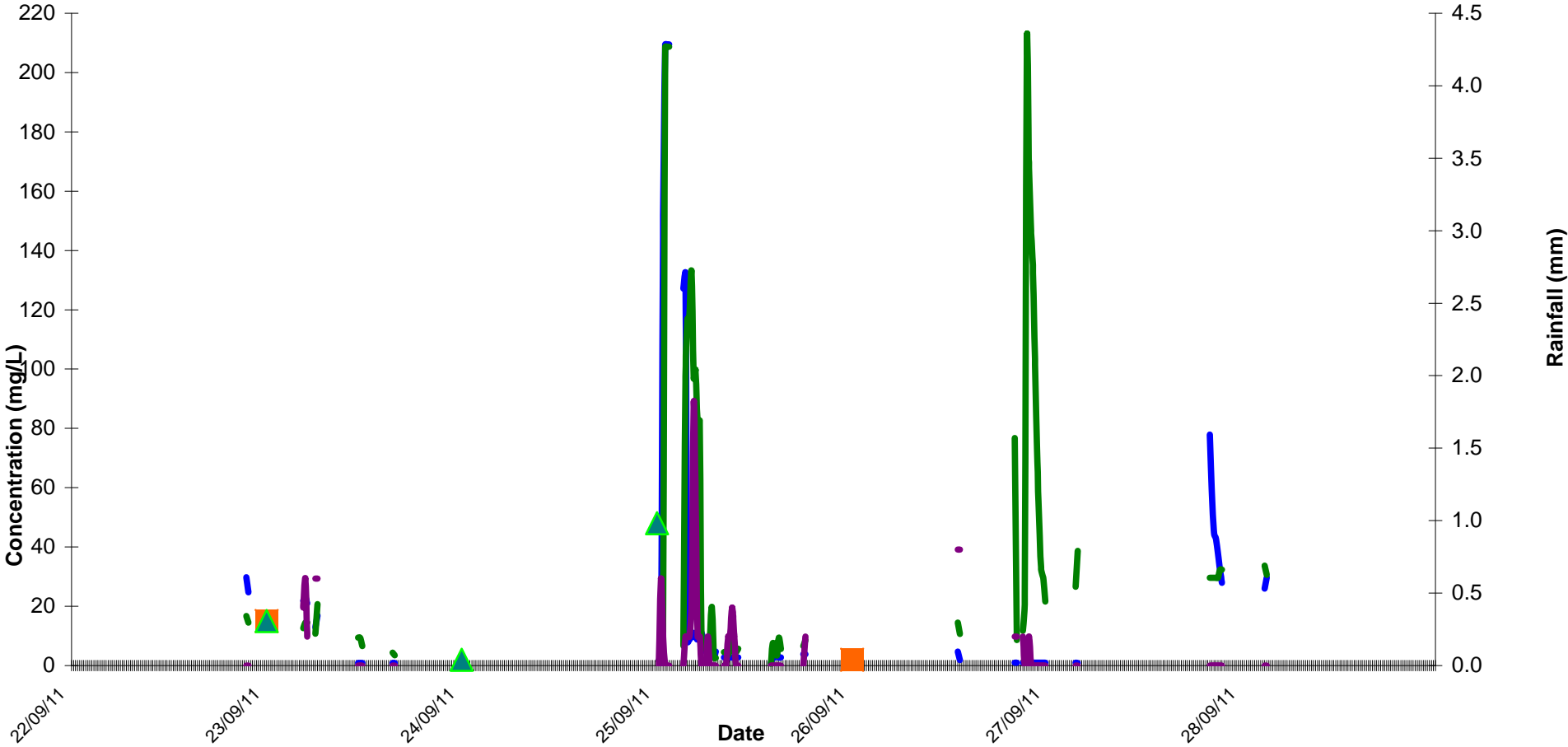
Date and Time	September 15th
Location	Silt Buster Discharge
Nature of Incident	Continued elevated pH of surface water from the silt buster treatment units over the target limits.
Actions Taken	<ul style="list-style-type: none">• Automatic dosing system has been adjusted down 1/0.5 of a pH unit• New dosing 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	9.1	14.4	22/09/2011 17:00	01:00	4.1	240.0	61.4	81.2	44.3		
AN2	12.2	16.1	23/09/2011 15:00	01:00	6.8	196.3	62.8	84.1	39.2		
AN2			24/09/2011	01:00						No construction onsite	
AN2	6.0	15.3	26/09/2011 17:00	01:00	2.6	200.4	57.8	84.2	31.0		
AN2	11.9	17.4	27/09/2011 15:00	01:00	6.0	185.8	62.6	86.5	38.0		
AN2	15.1	22.2	28/09/2011 11:00	01:00	6.6	150.8	63.0	82.4	33.4		
* 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											

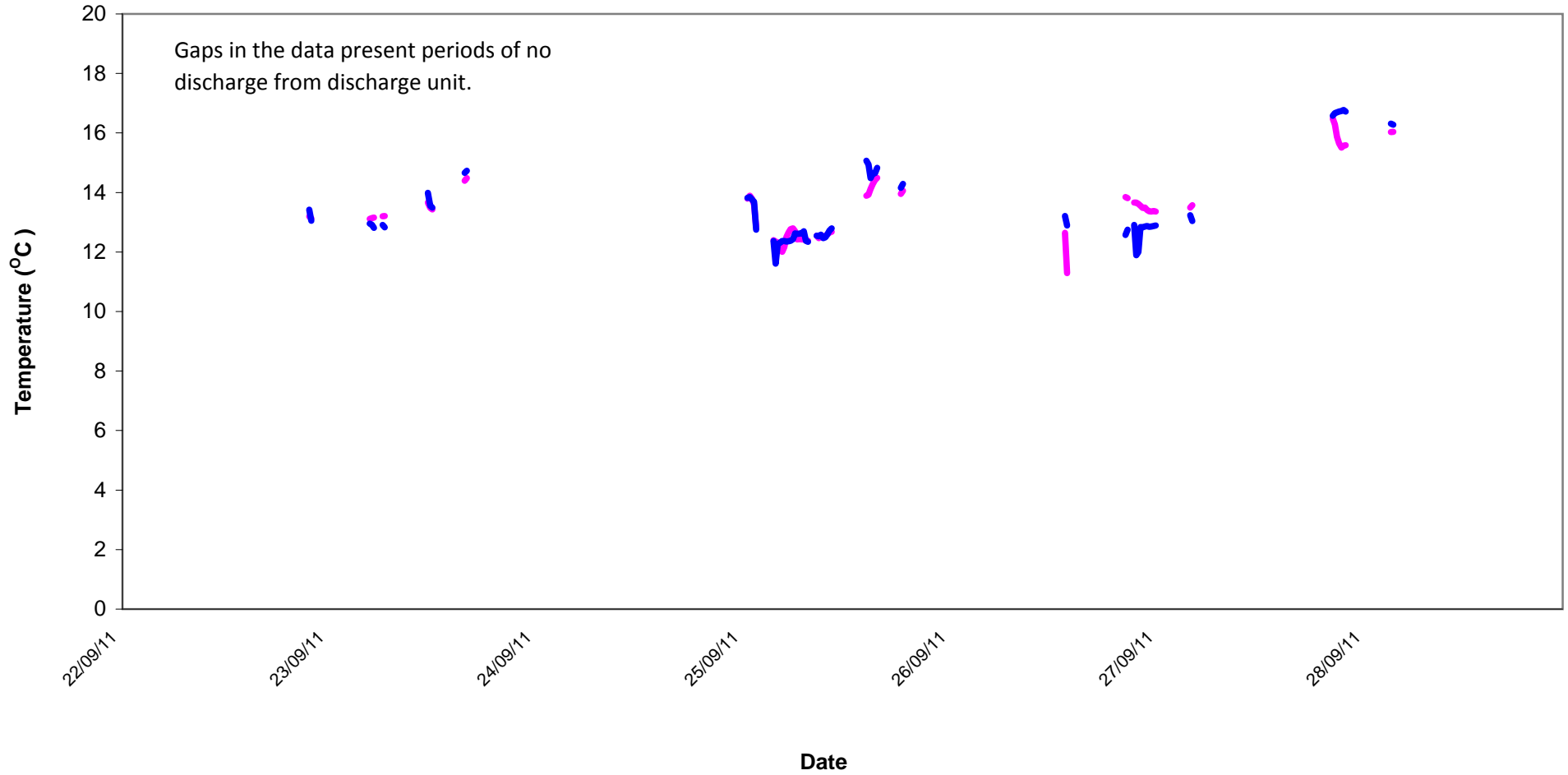


Total Suspended Solids Week Ending 28/09/2011

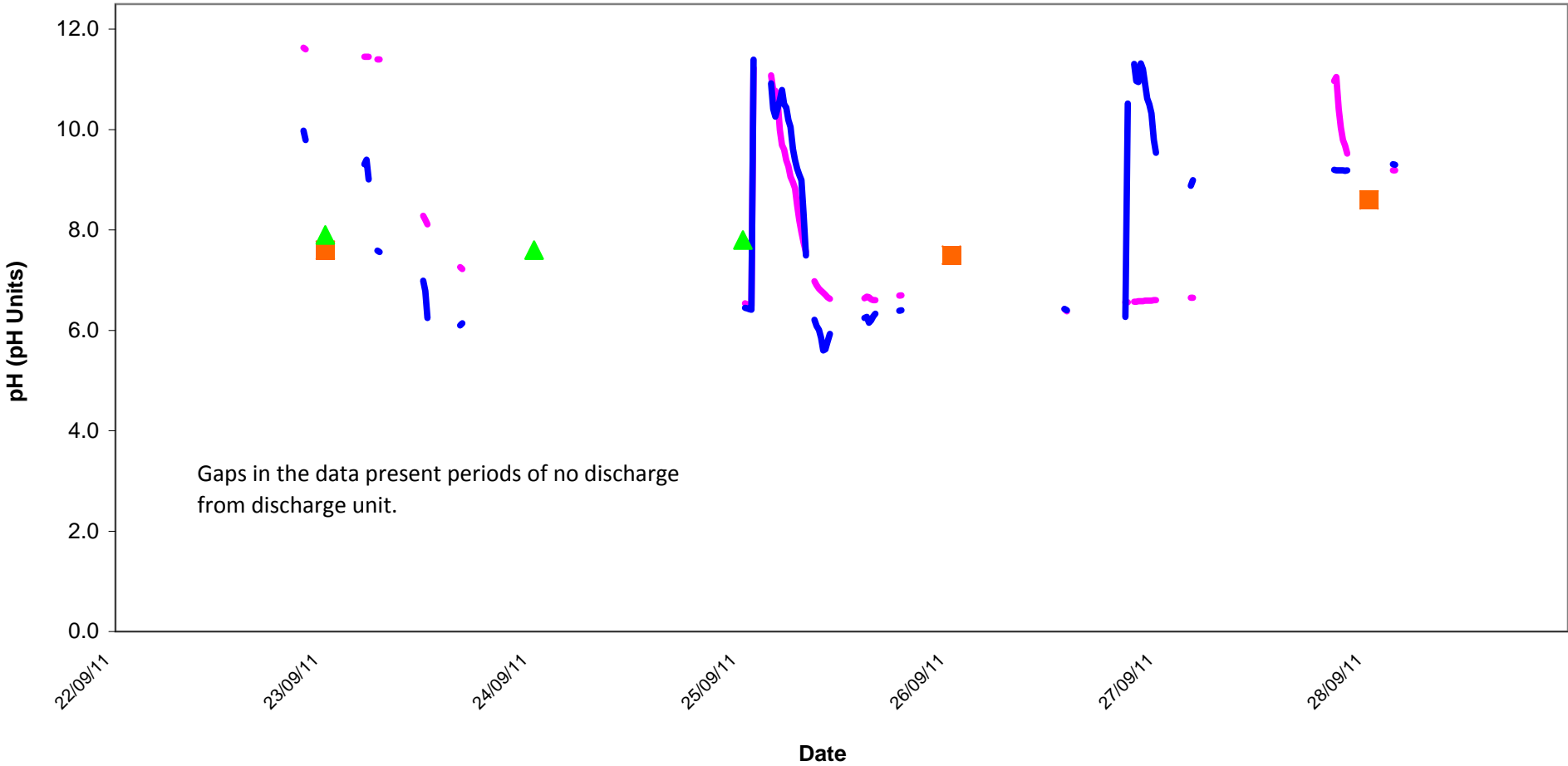
Gaps in the data present periods of no discharge from discharge unit. Short term spikes occur when units are initially switched on



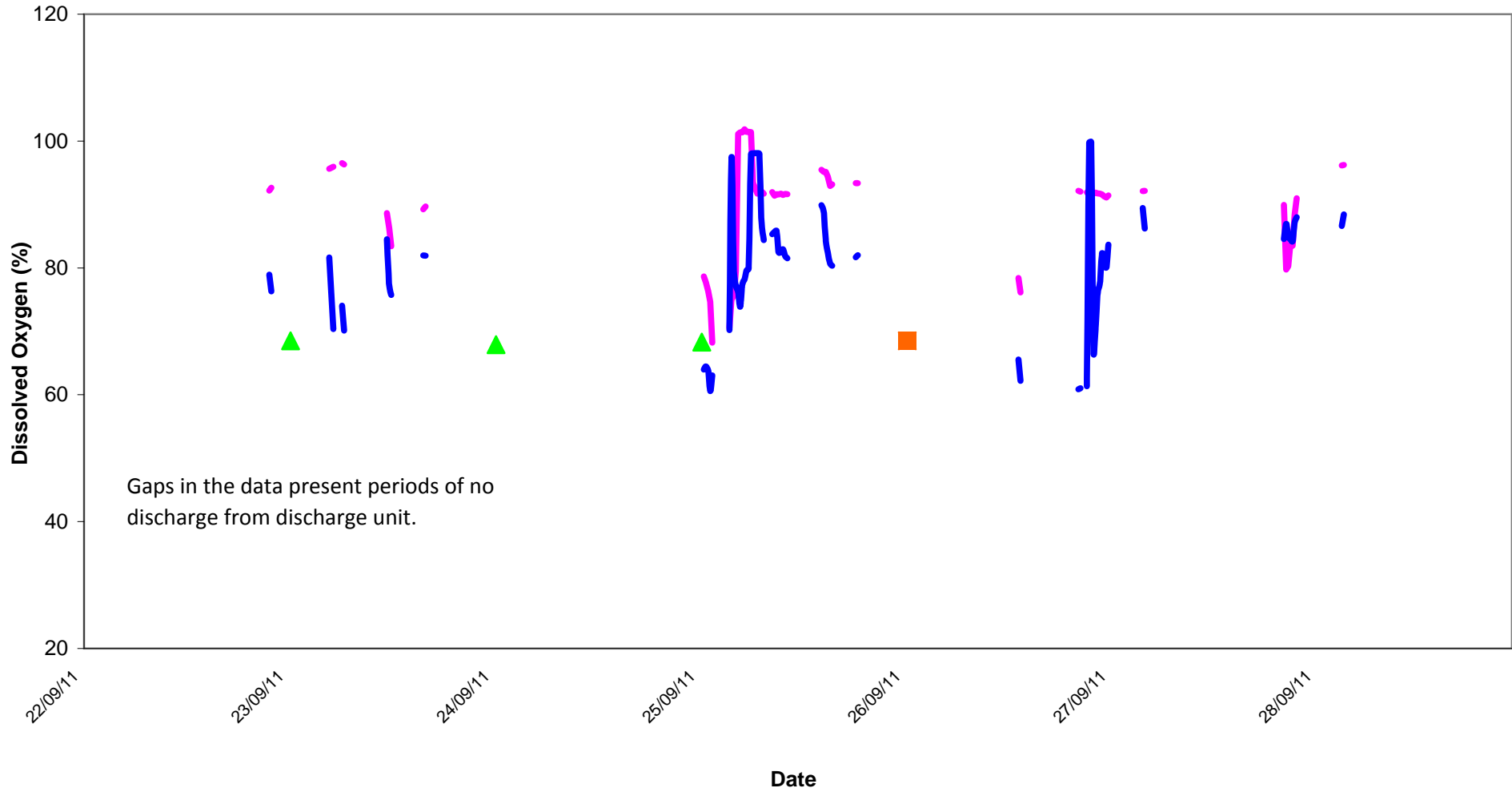
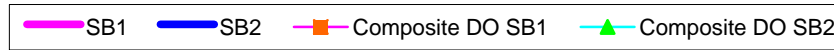
Temperature - Surface Waters Discharge Week ending 28/09/2011



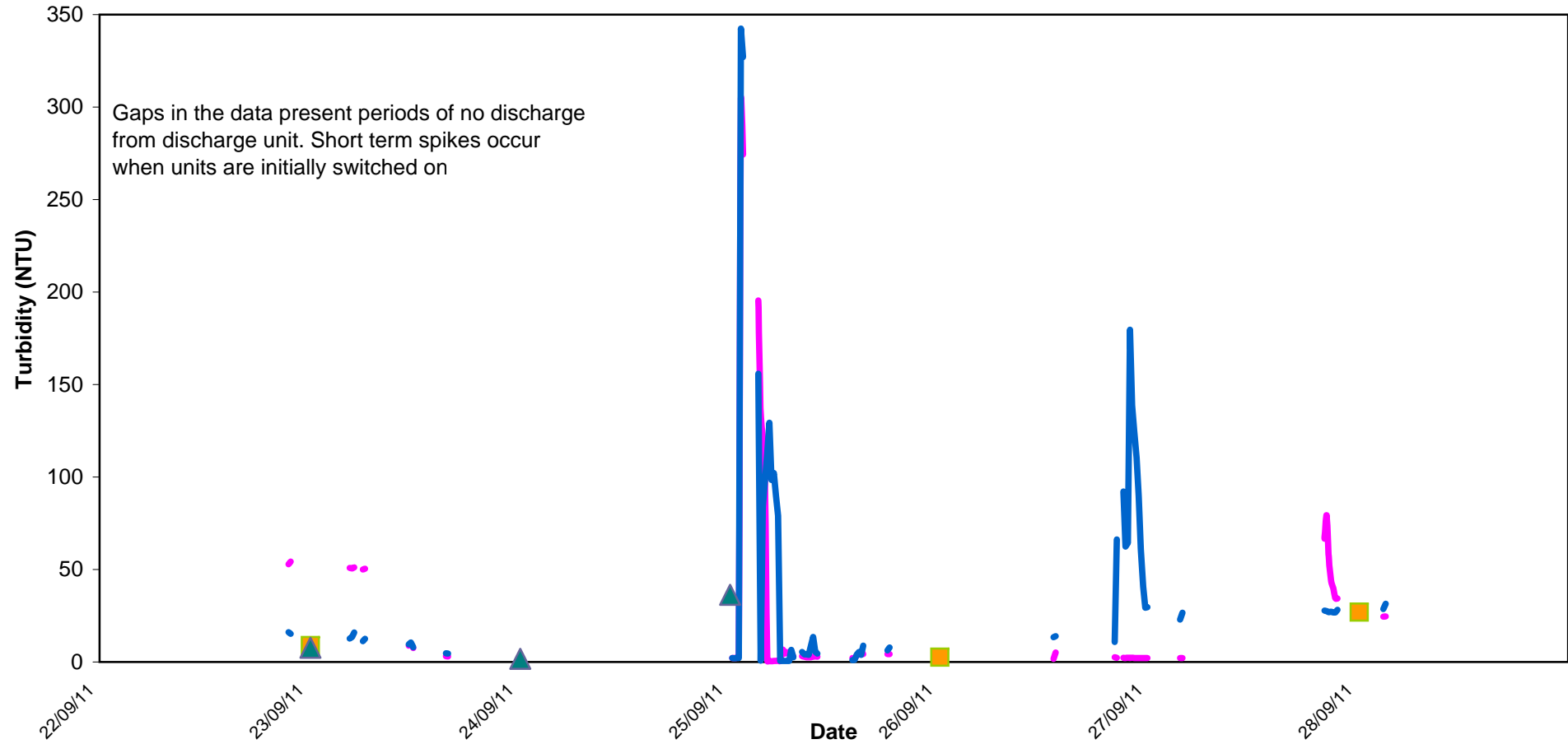
pH - Surface Waters Discharge Week Ending 28/09/2011



Dissolved Oxygen - Surface Waters Discharge Week Ending 28/09/2011



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



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	22/9/2011	14.7	85.5	210.0	3.5	6.4	120
DL2	23/9/2011	14.6	83.3	202.0	14.9	6.3	116
DL2	26/9/2011	12.3	79.8	203.0	15.2	6.9	116
DL2	27/9/2011	14.6	83.7	214.0	4.9	6.1	135
DL2	28/9/2011	16.0	72.4	238.0	4.1	6.3	161
	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			