

1 Monitoring Data

1.1 Monitoring Equipment

Noise	Five noise monitoring locations are currently being used – AN1, AN2, AN3, NSR1 and NSR3. The sound meter records in the 1/3 octave band.
Weather Station	The data used for this reporting period was taken from the Aughoose 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
26/01/2012	11.0
27/01/2012	2.4
28/01/2012	21.0
29/01/2012	8.6
30/01/2012	0.2
31/01/2012	0.2
01/02/2012	0.0
Total	43.4

1.3 Summary

Environment	Comments
Weather	There was a total of 43.4mm of rainfall during the reporting period, with a temperature range of 0.0°C to 11.2 °C.
Noise	<p>There were occasions of elevated noise at:</p> <ul style="list-style-type: none"> AN2 on 27th January due to the completion of fence erection works in close proximity to the meter. AN2 on 26th January due to high winds speeds. <p>A loss of data occurred at:</p> <ul style="list-style-type: none"> NSR1 on 26th January due to file corruption RN1 on 30th January due to a power outage on 29th. AN1 on 1st February, when noise recording was suspended between 11am and 3pm to accommodate the relocation of the microphone for the noise meter.
Surface Water	There were no identified surface water exceedences during the reporting period from the siltbuster.

Weekly Environmental Report Corrib Gas Pipeline

Week Ending 2nd February 2012

2 Environmental Exceedances / Incidents /

There were no identified environmental exceedances during this reporting period.

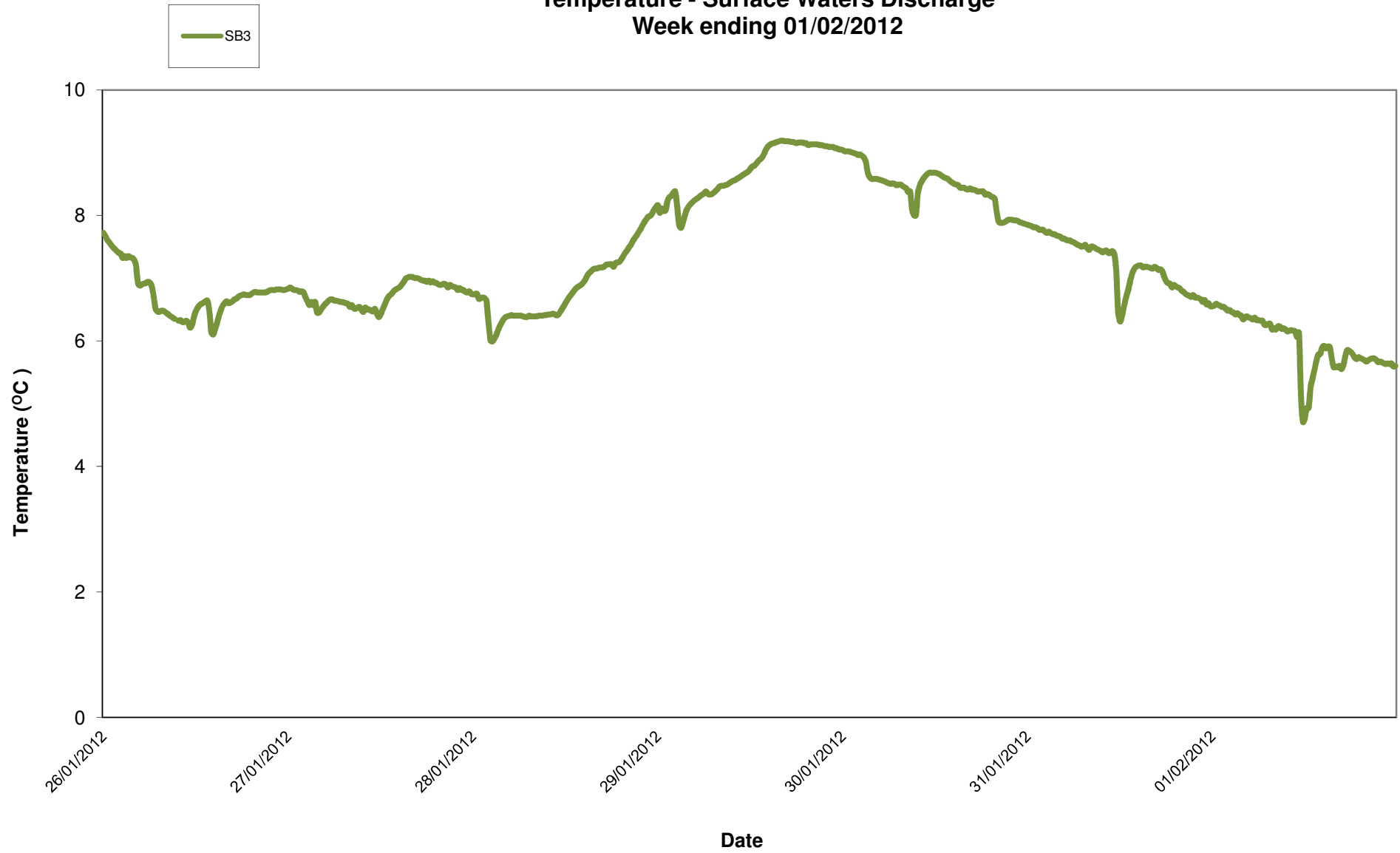
Determinant Results												
Location	Air Temp. (Min)	Air Temp. (Max)	Start Date and Time	Duration	Wind		Results dB			*Comments		
					Speed (m/s)*	Direction (Degrees)	L _{Aeq}	L _{Amax}	L _{Amin}			
Action Limit							60.0					
Target Limit							65.0					
AN1	2.1	7.2	26/01/2012 16:00:00	1:00:00	3.8	248.3	59.3	80.1	42.7			
AN2			26/01/2012 13:00:00	1:00:00	3.7	257.8	63.3	84.5	43.8			
			26/01/2012 14:00:00	1:00:00	4.1	236.3	60.6	79.2	42.7			
			26/01/2012 15:00:00	1:00:00	5.5	265.8	65.9	86.6	47.8	Elevated noise levels due to high wind speeds		
			26/01/2012 16:00:00	1:00:00	3.8	248.3	63.7	85.9	45.9			
			AN3	26/01/2012 16:00:00	1:00:00	3.8	248.3	63.1	79.9		41.2	
RN1			26/01/2012 09:00:00	1:00:00	3.2	279.0	52.2	75.1	37.2			
AN1	1.6	8.8	27/01/2012 08:00:00	1:00:00	3.6	272.0	60.5	80.3	44.6			
AN2			27/01/2012 08:00:00	1:00:00	3.6	272.0	63.9	81.5	46.3			
			27/01/2012 09:00:00	1:00:00	5.1	307.8	70.7	85.8	49.3	Elevated noise levels due to completion of fence erection		
			27/01/2012 10:00:00	1:00:00	4.9	301.5	69.1	89.2	45.6	Elevated noise levels due to completion of fence erection		
			27/01/2012 11:00:00	1:00:00	4.2	301.0	74.5	95.3	48.6	Elevated noise levels due to completion of fence erection		
			27/01/2012 12:00:00	1:00:00	4.0	280.8	69.8	87.0	48.3	Elevated noise levels due to completion of fence erection		
			27/01/2012 13:00:00	1:00:00	3.8	307.0	62.7	79.2	45.5			
			27/01/2012 14:00:00	1:00:00	3.5	286.0	61.2	83.1	41.7			
			27/01/2012 15:00:00	1:00:00	3.1	319.8	63.4	83.0	48.8			
AN3			27/01/2012 09:00:00	1:00:00	3.6	272.0	61.7	76.0	39.5			
			27/01/2012 10:00:00	1:00:00	5.1	307.8	60.5	78.3	39.0			
NSR1			27/01/2012 09:00:00	1:00:00	3.6	272.0	50.9	71.5	37.3			
RN1			27/01/2012 09:00:00	1:00:00	3.6	272.0	52.8	76.5	36.1			
AN1			1.8	10.1	28/01/2012 09:00:00	1:00:00	3.1	185.8	57.4	76.3	39.5	
AN2					28/01/2012 11:00:00	1:00:00	2.4	187.5	56.7	77.3	39.0	
AN3	28/01/2012 11:00:00	1:00:00			2.4	187.5	42.6	62.3	29.2			
NSR1	28/01/2012 10:00:00	1:00:00			3.1	185.8	47.9	69.7	32.0			
RN1	28/01/2012 11:00:00	1:00:00			2.4	187.5	51.4	85.8	35.8			
AN1	4.8	7.3	30/01/2012 12:00:00	1:00:00	1.6	162.3	58.8	80.0	46.2			
AN2			30/01/2012 14:00:00	1:00:00	2.5	148.0	60.3	82.4	37.6			
AN3			30/01/2012 14:00:00	1:00:00	2.5	148.0	41.4	56.0	30.5			
NSR1			30/01/2012 15:00:00	1:00:00	1.3	245.5	52.3	72.0	40.9			
AN1	1.6	6.3	31/01/2012 09:00:00	1:00:00	1.3	143.5	57.9	75.5	42.9			
AN2			31/01/2012 11:00:00	1:00:00	2.6	168.8	60.4	74.7	39.3			
			31/01/2012 12:00:00	1:00:00	2.5	123.5	62.3	75.6	39.1			
			31/01/2012 13:00:00	1:00:00	2.6	137.5	61.0	75.9	37.8			
			31/01/2012 16:00:00	1:00:00	1.5	122.8	42.5	63.5	28.7			
NSR1			31/01/2012 16:00:00	1:00:00	1.5	122.8	42.5	63.5	28.7			
RN1			31/01/2012 11:00:00	1:00:00	2.6	168.8	53.8	72.5	42.6			
AN1			01/02/2012 15:00:00	1:00:00			64.6	84.5	47.5	No weather data due to system maintenance on weather station		
			01/02/2012 16:00:00	1:00:00	1.3	156.0	63.2	82.1	43.5			
AN2			01/02/2012 11:00:00	1:00:00	1.6	163.3	59.1	77.9	37.0			

**Allowance of +/- 1.5dB accuracy of sound level meter (ref: IEC 61672 (2002-2005))

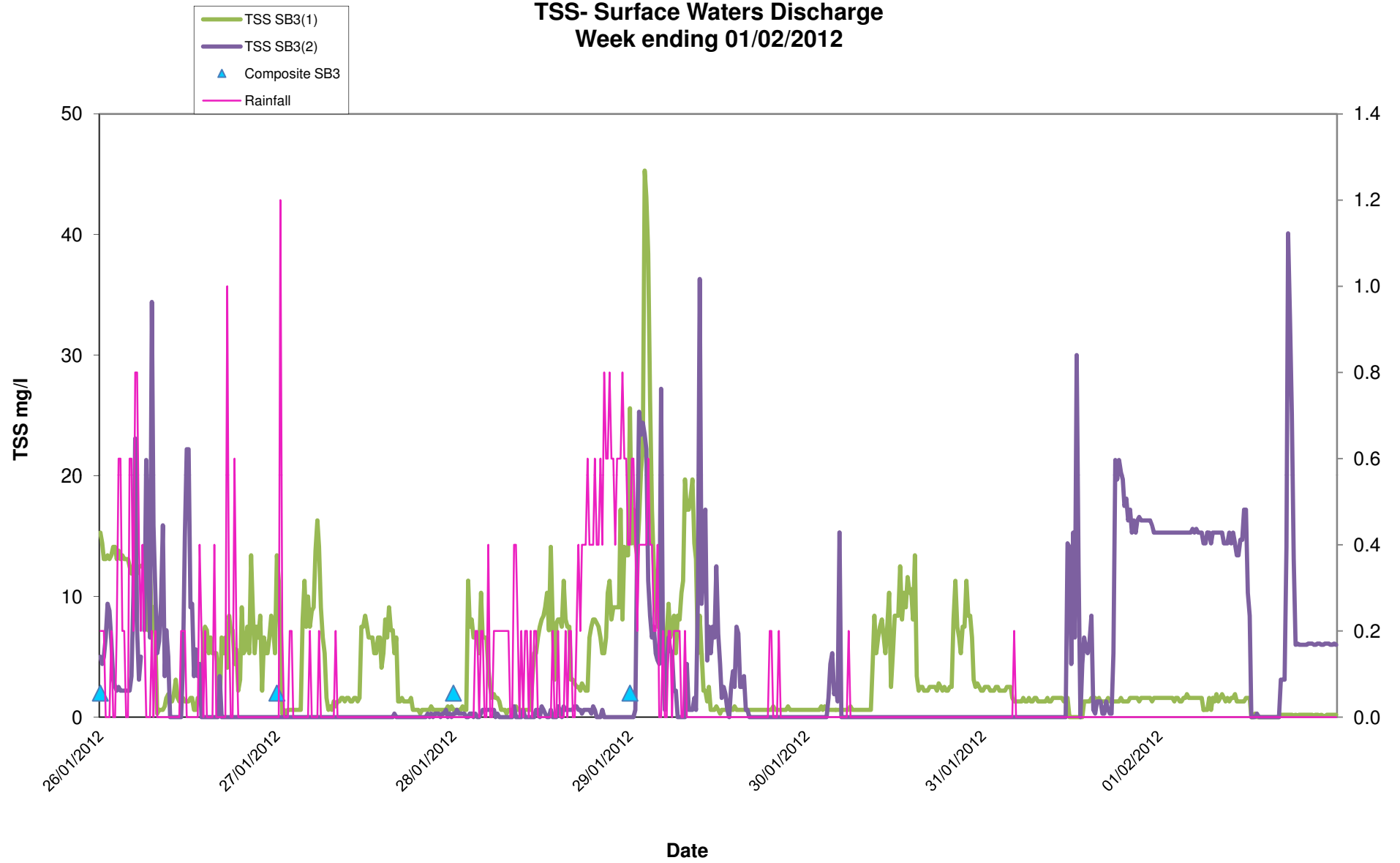
The results show Laeq(1hr) for maximum daily values or values over 60dB for each day of monitoring

The results show the maximum daily values of values of the data for each day of monitoring	
AN1 noise	
AN2 noise	
AN3	
NSR1	
RN1	

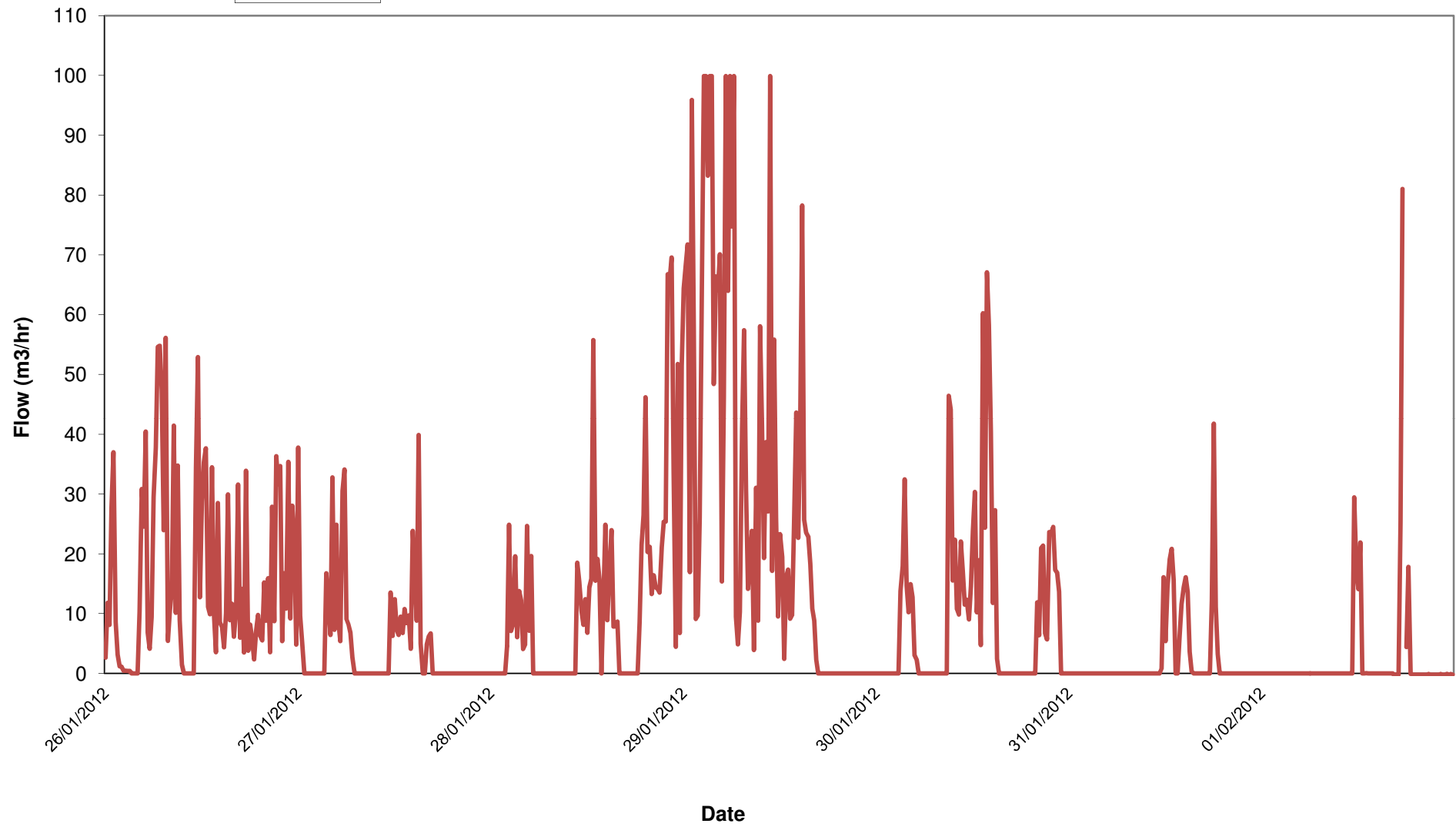
Temperature - Surface Waters Discharge
Week ending 01/02/2012



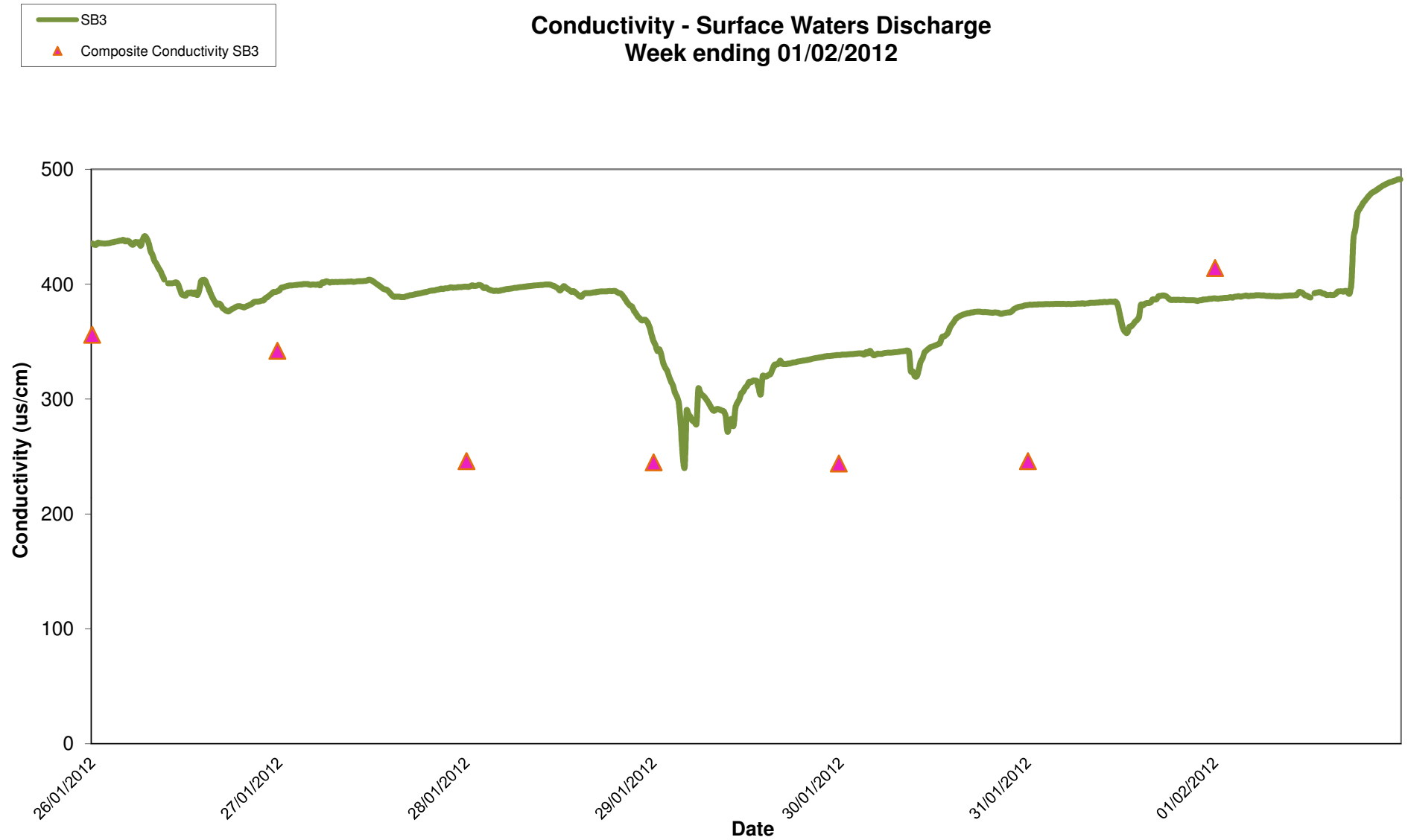
TSS- Surface Waters Discharge Week ending 01/02/2012



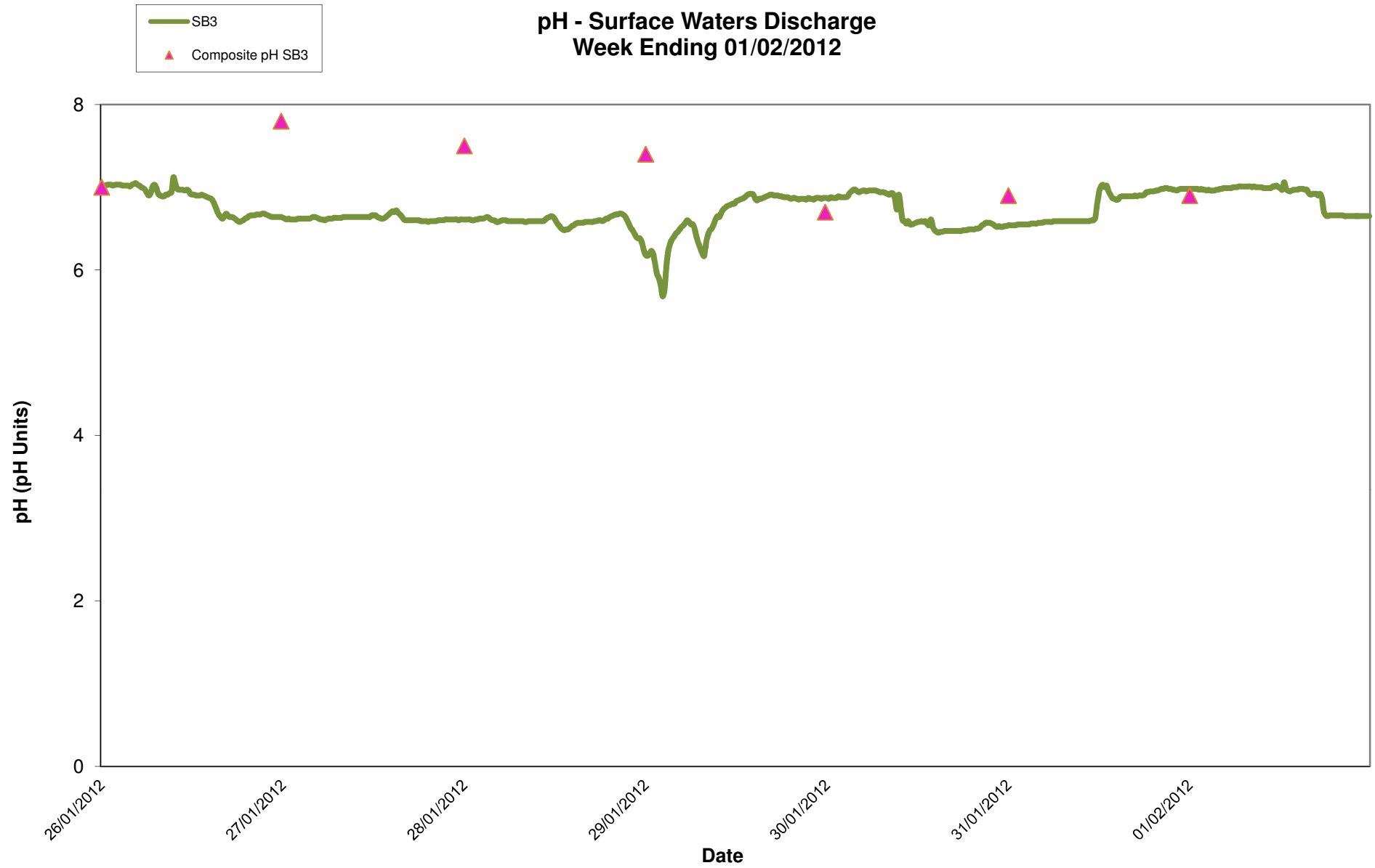
SB3

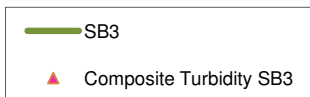


Conductivity - Surface Waters Discharge Week ending 01/02/2012

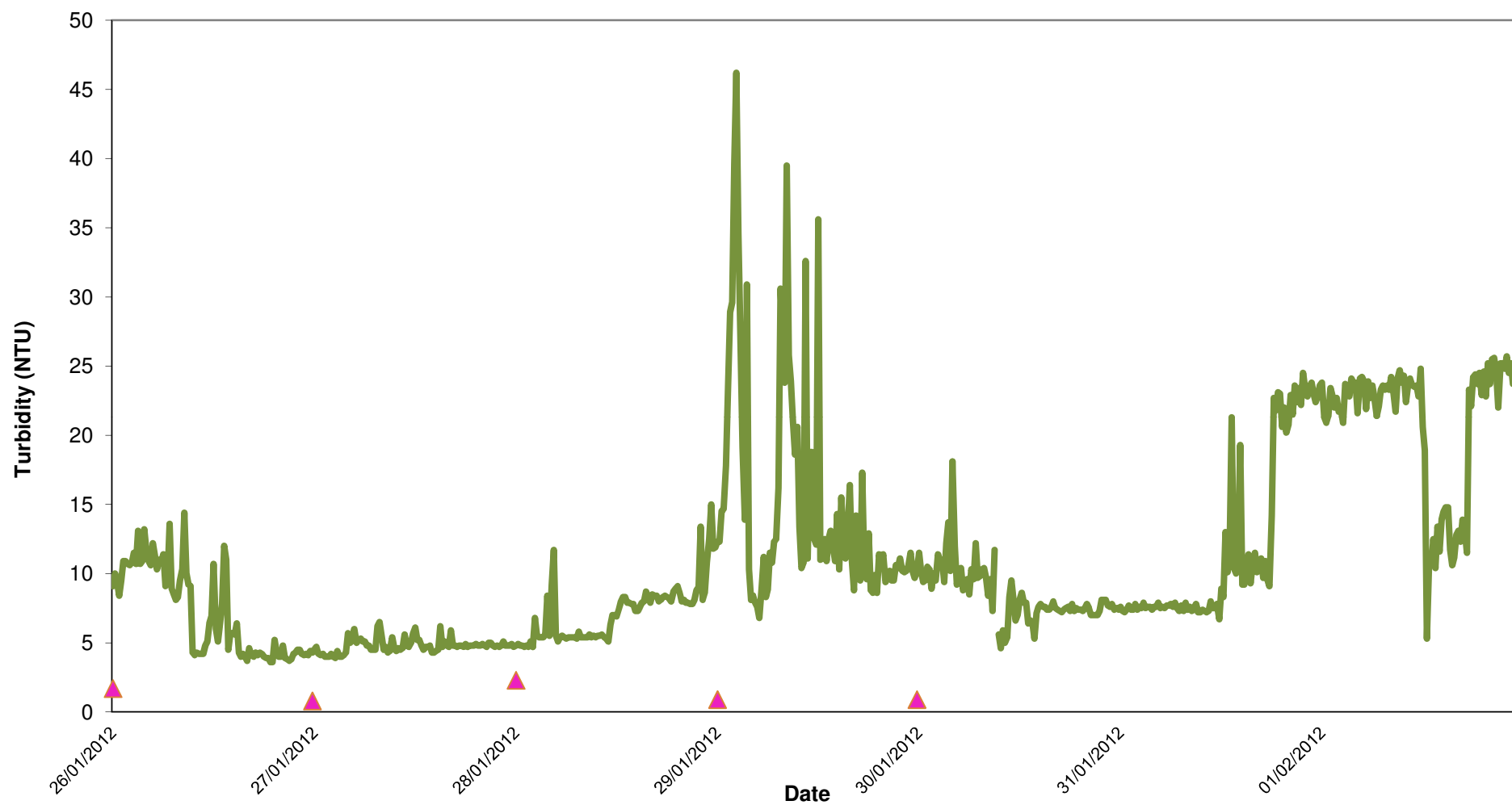


pH - Surface Waters Discharge Week Ending 01/02/2012

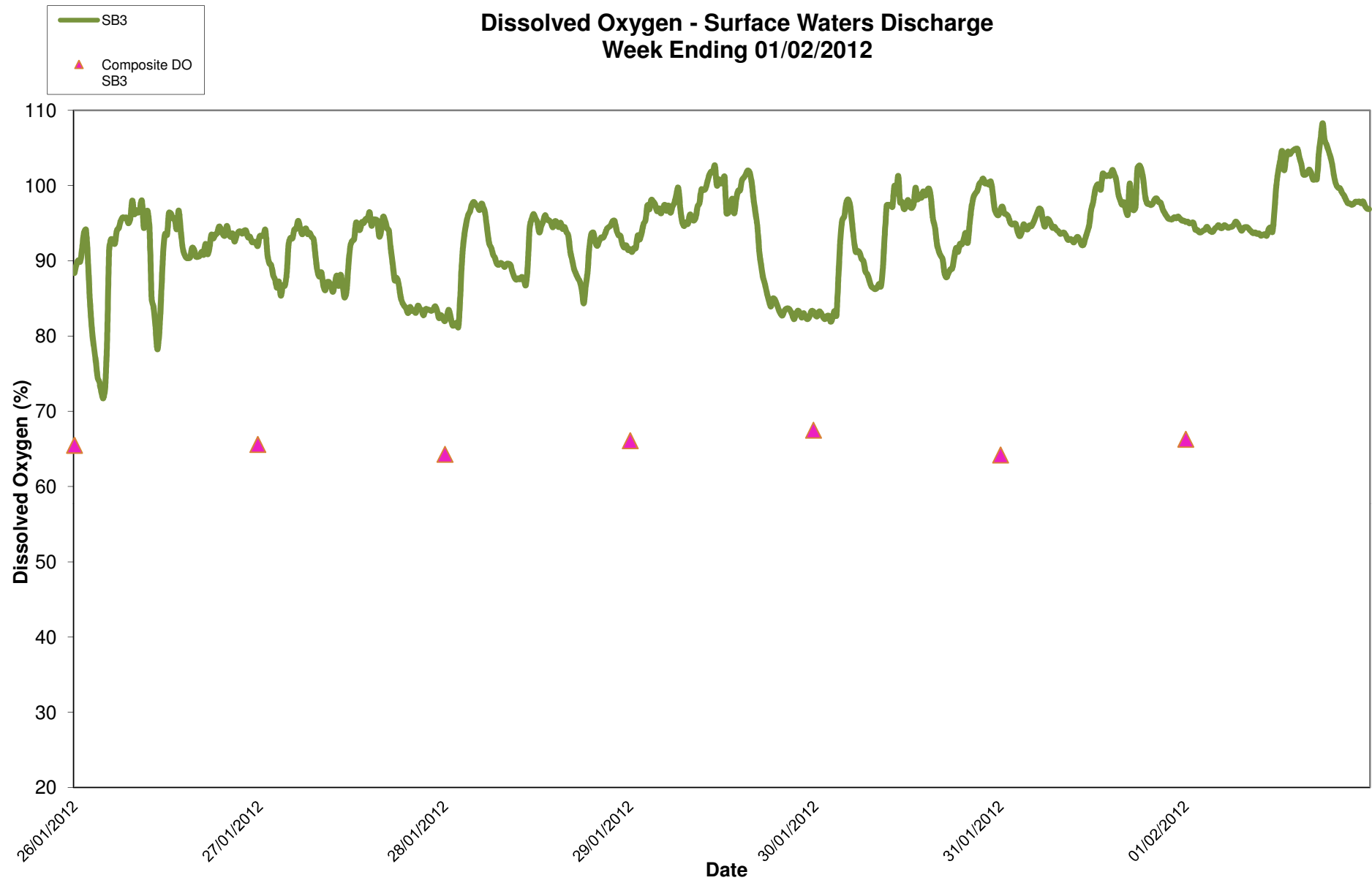




Turbidity - Surface Waters Discharge Week Ending 01/02/2012



Dissolved Oxygen - Surface Waters Discharge Week Ending 01/02/2012



Appendix 1

Appendix 1: Surface Water Monitoring Record Sheet- Onsite Monitoring						
Location	Date	Temp	DO	Cond.	Turbidity	pH
		C	% Sat	µS/cm	NTU	pH Units
DL2	26/01/2011	6.7	91.9	412	6.0	6.8
DL2	27/01/2011	7.6	95.5	386	4.0	6.6
DL2	30/01/2011	9.3	94.8	383	2.8	6.8
DL2	31/01/2011	7.1	32.7	380	10.2	6.7
DL2	01/02/2011	5.4	23.2	546	10.0	6.9
	Grey shaded areas denote parameters that cannot or were not analysed on-site (results given are from CLS Labs).					
	= Indicative Only					
< LOD	= Below Limit of Detection		> LOD	= Above Limit of Detection		