

1 Monitoring Data

1.1 Monitoring Equipment

Noise	Eight noise monitoring locations are currently being used – NSR1 & NSR2 (compliance monitoring points) and AN1, AN2, AN3, GN1, GN2 and RN1 (information purposes). The noise meters records in the 1/3 octave band.
Vibration	There are two vibration monitoring points being used- V2 and V3
Weather Station	The data used for this reporting period was taken from the Aughooose, Glengad and Terminal site meteorological stations.
TSS	There are TSS meters on the each of discharges on the Siltbusters at Aughooose (SB3 line 1 and SB3 line 2) and the pipeline wayleave (SB6).
Sonde	The results are displayed graphically for dissolved oxygen, conductivity, pH, turbidity and temperature.
Discharge pipe flow	The results are displayed graphically.

1.2 Summary

Environment	Comments
Vibration	There were no vibration exceedances during the reporting period.
Weather	<p><u>Aughooose (Tunnel site)</u> There was a total rainfall of 96.2mm at the Aughooose weather station, with a temperature range of 4.6°C to 26.9°C.</p> <p><u>Glengad (Compound)</u> There was a total rainfall of 91.0mm at the Glengad weather station, with a temperature range of 8.0°C to 25.4°C.</p> <p><u>Corrib Gas Terminal</u> There was a total rainfall of 88.6mm at the Terminal weather station, with a temperature range of 7.5°C to 27.4°C.</p>
Noise	<p>The noise results were reviewed as per the noise monitoring protocol. Aerial installation work for the improvement of remote dial-up was being carried out at NSR1 on 01/08/12.</p> <p>There was an elevated noise level at NSR1 on 30/07/12 at 13:00 of 70.2dB(A) L_{Aeq}. Following a review as per the noise monitoring protocol, it was found that the result was not site related. The noise level at AN1 at this time was 58.32dB(A) L_{Aeq}.</p> <p>Elevated noise level at NSR1 (67dB(A) L_{Aeq}) on 03/08/12 at 15:00. Noise level at AN2 at that time was 61.9dB(A) L_{Aeq} and at AN1 was 58.7dB(A) L_{Aeq}. Noise monitoring protocol shows that the noise was not site related.</p>

Corrib Gas Pipeline Environmental Report	Period Ending:	31 st August 2012
Compiled By:	Siobhán Sheridan	
Approved By:	Aoife Reynolds & Sil Draaisma	
	Ref: COR-01-SH-MCC-MHLY-ENV-008	

Environment	Comments
	<p>Remote access telemetry installation and testing at AN1 on the 08/08/12, therefore data unavailable between 07:00 and 13:00.</p> <p>An elevated noise level was recorded at NSR2 on 13/08/12 at 12:00 – 65.1dB(A). Activities onsite were unchanged from the previous week and the L_{Amax} of 92.8dB(A) is an indicator of a localised noise source. Average wind gusts reached 14.2m/s and wind speed during that hour was 6.6m/s.</p> <p>An elevated noise level was recorded at NSR1 on 01/09/12 at 12:00. Noise monitoring data from the supporting noise meters and 15 minute wind data was assessed and it was confirmed that the 15 minute wind speed averages exceeded 8.5m/s. Supporting data from all noise monitors show that significant elevations in background noise during this period were due to weather effects, therefore, there were no noise exceedances during the reporting period.</p>
Surface Water - Aughooose	There were no identified surface water exceedances during the reporting period. Surface water treatment ongoing.
Surface Water - Glengad	No surface water discharge was available at SW01 for sample collection.

2 Environmental Exceedances / Incidents / Complaints

2.1 Exceedences

There were no environmental exceedences during the reporting period.

2.2 Incidents

There were no incidents during the reporting period.

2.3 Complaints

Date & time of complaint	Nature of complaint	Actions taken as a result of the complaint
16 th August	Complaint about traffic disruption caused as a result of TBM incident and road blockage.	Apology issued to Complainant
22 nd August	Complaint about not obtaining work with project.	Response issued to Complainant.

Surface Water Monitoring Results - Accredited Laboratory												
	Date	Cond.	Turbidity	DO	pH	TSS	Orthophos phate as PO4	Extractable HC/ DRO (C8-C40) total and dissolved	PRO (C5 - C12) total and dissolved	TOC	DIN (TON as N + Ammonia as N)	COD
		µS/cm	NTU	%	pH units	mg/l	mg/l	ug/l	ug/l	mg/l	mg/l	mg/l
Composites - Aughoose												
SB3	01/08/2012	290	11.2	81.3	6.9	2	<0.03	176	<100	6.3	0.300	43
SB3	02/08/2012	315	3.8	67.3	7.4	3	<0.03	<100	<100	6.6	0.889	20
SB3	03/08/2012	339	3.9	69.6	7.5	3	<0.03	<100	<100	7.2	0.282	28
SB3	04/08/2012	477	1.4	84.1	6.4	2	<0.03	<200	<100	4.6	0.700	<10
SB3	05/08/2012	440	1.5	75.1	6.5	2	<0.03	<100	<100	4.1	1.020	<10
SB3	06/08/2012	429	1.5	78.2	6.5	2	<0.03	<200	<100	4.5	0.862	<10
SB3	07/08/2012	424	1.5	87.2	6.6	2	<0.03	<100	<100	4.1	0.858	<10
SB3	08/08/2012	394	1.3	73.7	6.4	2	<0.03	<100	<100	3.3	1.040	<10
SB3	09/08/2012	401	1.0	74.6	7.5	2	<0.03	<200	<100	3.8	0.936	19
SB3	10/08/2012	395	1.3	75.2	7.5	2	<0.03	<200	<100	4.1	0.903	32
SB3	11/08/2012	390	1.7	74.2	6.7	2	<0.03	171	<100	4.6	1.090	<10
SB3	12/08/2012	396	1.2	74.2	6.9	2	<0.03	118	<100	4.4	1.190	19
SB3	13/08/2012	397	1.4	74.3	6.9	15	<0.03	<100	<100	3.8	1.020	<10
SB3	14/08/2012	385	0.9	70.3	6.9	2	<0.03	<100	<100	2.7	0.539	<10
SB3	15/08/2012	380	0.9	69.5	6.8	2	<0.03	<100	<100	2.8	0.714	<10
SB3	16/08/2012	385	0.7	70.2	7.2	2	0.06	<100	<100	3.8	0.742	<10
SB3	17/08/2012	371	3.6	69.5	7.1	2	<0.03	<100	<100	2.6	0.758	<10
SB3	18/08/2012	352	3.1	75.1	7.3	2	<0.03	<100	<100	4.3	0.663	10
SB3	19/08/2012	399	1.0	74.8	7.3	2	<0.03	<100	<100	3.3	0.901	11
SB3	20/08/2012	406	2.2	74.5	6.9	2	<0.03	<100	<100	3.1	0.757	<10
SB3	21/08/2012	396	0.8	73.8	6.9	2	<0.03	<100	<100	2.9	0.853	<10
SB3	22/08/2012	383	0.8	72.1	6.9	2	<0.03	<100	<100	3.1	0.878	<10
SB3	23/08/2012	386	1.4	74.5	6.8	2	<0.03	<100	<100	3.6	0.921	<10
SB3	24/08/2012	375	3.4	73.2	6.4	3	<0.03	<100	<100	3.0	0.803	<10
SB3	25/08/2012	396	1.3	74.1	6.9	2	<0.03	<100	<100	3.5	0.767	<10
SB3	26/08/2012	400	1.3	75.4	7.0	2	<0.03	<100	<100	2.8	0.790	<10
SB3	27/08/2012	395	0.7	74.5	6.3	3	<0.03	<100	<100	2.4	0.777	19
SB3	28/08/2012	404	2.8	72.5	6.3	2	<0.03	<100	<100	2.9	0.846	<10
SB3	29/08/2012	444	6.5	74.5	6.3	9	<0.3	<100	<100	3.9	0.856	36
SB3	30/08/2012	407	1.0	71.2	6.2	2	<0.03	131	<100	3.0	0.709	39
SB3	31/08/2012	372	3.3	72.3	6.1	5	<0.03	107	<100	2.9	0.866	21
I.P.	= In Progress											
< LOD	= Below Limit of Detection											
> LOD	= Above Limit of Detection											
On site laboratory results included in Appendix 1												
	Grey shaded areas denote parameters that cannot or were not analysed on-site or the lab.											

Surface Water Monitoring Results - Accredited Laboratory												
	Date	Cond.	Turbidity	DO	pH	TSS	Orthophos phate as PO4	Extractable HC/ DRO (C8-C40) total and dissolved	PRO (C5 - C12) total and dissolved	TOC	DIN (TON as N + Ammonia as N)	COD
		µS/cm	NTU	%	pH units	mg/l	mg/l	ug/l	ug/l	mg/l	mg/l	mg/l
Composites - Wayleave												
SB6	10/08/2012	468	0.8	75.9	6.9	6	0.08	<100	<100	3.0	0.641	44
SB6	11/08/2012	450	5.3	73.5	7.5	11	<0.03	<100	<100	4.6	0.970	33
SB6	12/08/2012	426	0.6	75.2	7.3	3	0.10	<100	<100	4.0	0.552	39
SB6	13/08/2012	465	0.7	74.8	7.0	3	0.04	<100	<100	3.1	0.630	32
SB6	14/08/2012	461	1.3	74.3	7.2	3	0.05	<100	<100	3.4	0.620	49
SB6	15/08/2012	435	1.4	74.2	7.0	6	<0.03	<100	<100	4.2	0.714	<10
SB6	16/08/2012	392	1.9	73.2	7.0	14	<0.03	<100	<100	4.0	0.707	<10
SB6	17/08/2012	422	0.4	74.1	7.2	3	<0.03	<100	<100	3.2	0.859	11
SB6	18/08/2012	444	0.5	72.1	7.1	<2	<0.03	<100	<100	3.3	0.583	18
SB6	19/08/2012	462	2.3	72.3	7.2	3	<0.03	<100	<100	3.3	0.721	26
SB6	20/08/2012	424	1.6	74.2	6.8	<2	<0.03	109	<100	3.1	0.923	<10
SB6	21/08/2012	415	2.0	73.2	7.1	4	<0.03	<100	<100	3.3	0.641	10
SB6	22/08/2012	501	0.4	72.6	7.1	<2	<0.03	<100	<100	17.5	0.492	<10
SB6	23/08/2012	555	1.3	71.2	7.1	8	<0.03	<100	<100	3.5	0.633	10
SB6	24/08/2012	519	0.4	74.2	7.2	<2	<0.03	<100	<100	3.9	1.300	11
SB6	25/08/2012	525	0.4	74.5	7.1	4	<0.03	<100	<100	3.3	0.518	16
SB6	26/08/2012	539	0.3	73.4	6.9	<2	<0.03	<100	<100	2.3	0.562	16
SB6	27/08/2012	555	0.7	78.3	7.0	<2	<0.03	<100	<100	2.9	0.584	<10
SB6	28/08/2012	540	0.4	73.4	7.0	5	<0.03	<100	<100	3.1	0.497	26
SB6	29/08/2012	464	0.6	75.2	6.8	<2	<0.03	<100	<100	2.8	0.640	22
SB6	30/08/2012	507	0.8	74.2	6.9	3	<0.03	<100	<100	2.6	0.461	14
SB6	31/08/2012	530	0.3	91.8	6.9	2	<0.03	<100	<100	2.6	0.704	<10
Grab Samples DL2												
DL2	01/08/2012	278	7.9	68.7	5.8	10	<0.03	<100	<100	4.9	0.391	30
DL2	07/08/2012	395	0.4	71.2	7.5	2	<0.03	<100	<100	2.5	0.792	<10
DL2	16/08/2012	338	0.5	72.4	6.8	2	<0.03	<100	<100	3.4	0.666	10
DL2	21/08/2012	397	0.7	75.4	7.1	2	<0.03	<100	<100	2.3	0.713	<10
DL2	30/08/2012	455	0.8	63.1	6.7	2	<0.03	<100	<100	2.5	0.584	18
Grab Samples SB6 Post												
SB6 Post	01/08/2012	391	3.5	65.3	5.6	8	<0.03	<100	<100	4.0	0.336	21
SB6 Post	06/08/2012	452	0.3	74.1	6.9	5	<0.03	<100	<100	3.0	0.540	<10
SB6 Post	14/08/2012	458	1.5	74.1	7.1	4	0.12	<100	<100	3.5	0.659	<10
SB6 Post	20/08/2012	425	0.6	72.5	6.9	3	<0.03	123	<100	2.9	0.839	<10
SB6 Post	30/08/2012	469	1.1	80.6	6.8	4	<0.03	<100	<100	2.7	0.779	29
I.P.	= In Progress											
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On site laboratory results included in Appendix 1												
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Surface Water Monitoring Results - Accredited Laboratory												
	Date	Cond.	Turbidity	DO	pH	TSS	Orthophosphates as PO4	Extractable HC/DRO (C8-C40) total and dissolved	PRO (C5 - C12) total and dissolved	TOC	DIN (TON as N + Ammonia as N)	COD
		µS/cm	NTU	%	pH units	mg/l	mg/l	ug/l	ug/l	mg/l	mg/l	mg/l
Sruwaddacon Bay												
SBay1	21/08/2012	43100	0.4	75.9	8.1	<2	<0.003	<100	<100	1.4	0.014	40
SBay3	21/08/2012	38400	0.9	76.3	7.8	<2	<0.003	115	<100	2.5	0.010	40
SBay4	21/08/2012	39100	0.5	76.5	8.0	<2	<0.003	<100	<100	2.4	0.010	40
SBay6	21/08/2012	43000	0.3	73.5	8.0	<2	<0.003	125	<100	1.3	0.020	<20
Baseline Monitoring - Pipeline Wayleave												
SW 09	02/08/2012	99	1.1	65.2	5.0	4	0.09	183	<100	34.0	0.019	136
SW 10	02/08/2012	195	3.6	66.5	6.0	5	0.13	122	<100	34.9	0.071	135
SW 12	02/08/2012	150	7.4	64.5	5.0	<2	0.04	<100	<100	34.6	0.022	122
SW 09	09/08/2012	119	19.6	71.2	6.3	323	0.08	494	<100	38.3	0.077	257
SW 10	09/08/2012	270	25.1	72.3	6.4	30	0.60	161	<100	44.7	0.201	204
SW 11	09/08/2012	178	6.7	73.1	6.4	6	0.10	<100	<100	35.0	0.062	150
SW 12	09/08/2012	185	7.3	72.4	6.9	5	0.11	<100	<100	34.8	0.093	165
SW 09	14/08/2012	358	36.2	62.5	6.4	312	1.25	<100	<100	41.9	0.253	358
SW 10	14/08/2012	187	28.9	64.5	6.2	40	1.48	<100	<100	47.7	0.573	217
SW 11	14/08/2012	174	7.8	65.3	6.4	10	0.58	<100	<100	35.7	0.042	156
SW 12	14/08/2012	212	6.8	64.2	6.7	9	0.57	<100	<100	30.4	0.060	125
SW 09	20/08/2012	93	2.7	68.5	6.5	8	0.06	108	<100	28.9	0.049	131
SW 10	20/08/2012	169	10.2	68.6	6.1	14	0.31	108	<100	31.5	0.551	146
SW 11	20/08/2012	152	13.4	65.6	6.6	6	0.15	155	<100	34.4	0.062	136
SW 12	20/08/2012	356	4.8	66.5	6.9	4	0.07	<100	<100	12.7	0.514	45
SW 09	28/08/2012	194	18.4	71.6	6.1	45	0.64	<100	<100	46.8	0.560	205
SW 10	28/08/2012	207	7.0	70.0	6.5	7	0.34	<100	<100	39.5	0.096	246
SW 11	30/08/2012	166	2.4	65.6	6.4	<2	0.08	<100	<100	35.9	<0.005	166
SW 12	30/08/2012	239	3.8	73.6	6.3	12	0.08	<100	<100	25.1	0.072	137
I.P.	= In Progress											
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Groundwater Monitoring Results - Accredited Laboratory

Location	Date	DO	Temp	Cond.	pH	TDS	BOD	Suspended Solids	Turbidity	Orthophosphate as PO4 -P	Ammonia as NH3-N	Total Phosphorus as P	Nitrate as NO3	Nitrite as NO2	Phosphate as PO4	COD	Copper
		% Sat	°C	uS/cm	pH Units	mg/l	mg/l	mg/l	N.T.U	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	ug/l
GW1	07/08/2012	72.6	12.0	412	6.4	217	3	134	211.0	0.697	0.269	1.20	<0.44	<0.017	2.14	16	42
GW2	07/08/2012	62.0	10.8	386	6.4	202	<1	307	211.0	0.342	2.350	1.14	<0.44	<0.017	1.05	21	6
GW3	07/08/2012	14.0	10.8	367	6.8	193	<1	1004	358.0	0.081	2.830	1.14	<0.44	<0.017	0.25	15	32
GW4	07/08/2012	23.0	10.5	375	7.0	195	<1	109	191.0	0.115	0.622	0.39	<0.44	<0.017	0.35	16	26
Location	Date	Arsenic, total	Chromium, total	Lead, total	Cadmium, total	Tin, total	Iron, total	Mercury	TOC	Total Hardness	Zinc	Extractable HC/ DRO (C8-C40) total and dissolved	PRO (C5 - C12) total and dissolved	Total Phosphorus as P	Manganese	Water Level	
		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	ug/l	ug/l	ug/l	mg/l	ug/l	m	
GW1	07/08/2012	11.0	1.0	6.0	2.0	<0.5	19730	<0.05	7.54	142	10	116	<100	1.20	2268	4.26	
GW2	07/08/2012	1.0	4.0	19.0	<0.5	<0.5	22820	<0.05	12.40	129	7	266	<100	1.14	461	3.61	
GW3	07/08/2012	9.0	7.0	19.0	0.6	<0.5	77920	<0.05	9.32	60	33	294	<100	1.14	352	4.26	
GW4	07/08/2012	4.0	3.0	2.0	1.0	<0.5	37700	<0.05	3.56	100	14	<100	<100	0.39	1001	7.56	
	Grey shaded areas denote parameters that cannot or were not analysed on-site or at the lab.																
Graphs provided for GW1 - GW4: Temperature, Conductivity, and pH.																	

Dust Monitoring Record Sheet

	Date Positioned	Date Removed	Ref. Number	Date Dispatched	Date Returned	Weight (mg/m ² /day)	Comment
Target (Consent) Limit:			350 mg m ² d ⁻¹ on as a 30 day average				
Dust Deposition - Aughoose							
AD1	13/07/2012	13/08/2012	392519	15/08/2012	17/08/2012	136	
AD2	13/07/2012	13/08/2012	392520	15/08/2012	17/08/2012	41	
AD3	13/07/2012	13/08/2012	392521	15/08/2012	17/08/2012	13	
AD4	13/07/2012	13/08/2012	392522	15/08/2012	17/08/2012	132	
Dust Deposition - Glengad							
GD1	13/07/2012	15/08/2012	393052	17/08/2012	22/08/2012	97	
GD2	13/07/2012	15/08/2012	393053	17/08/2012	22/08/2012	330	
GD3	13/07/2012	15/08/2012	393054	17/08/2012	22/08/2012	115	
NDP = No Determination Possible							
Monitoring Results will be presented monthly							

Vibration Monitoring Record Sheet

Minimum Criterion 8mm/s					
Date	Location	PPV max (mm/s)	Location*	PPV max (mm/s)	Comment
01/08/2012	V2	0.792	V3	0.402	
02/08/2012	V2	0.792	V3	0.402	
03/08/2012	V2	1.285	V3	0.402	
04/08/2012	V2	0.482	V3	0.402	
05/08/2012	V2	0.402	V3	0.402	
06/08/2012	V2	0.402	V3	0.402	
07/08/2012	V2	2.490	V3	0.402	
08/08/2012	V2	1.124	V3	0.402	
09/08/2012	V2	1.687	V3	0.402	
10/08/2012	V2	1.687	V3	0.402	
11/08/2012	V2	0.321	V3	0.402	
12/08/2012	V2	0.562	V3	0.402	
13/08/2012	V2	1.365	V3	0.402	
14/08/2012	V2	1.847	V3	0.402	
15/08/2012	V2	2.249	V3	0.402	
16/08/2012	V2	2.570	V3	0.402	
17/08/2012	V2	1.526	V3	0.402	
18/08/2012	V2	0.321	V3	0.402	
19/08/2012	V2	0.803	V3	0.402	
20/08/2012	V2	1.847	V3	0.402	
21/08/2012	V2	3.855	V3	0.482	
22/08/2012	V2	2.490	V3	0.964	
23/08/2012	V2	1.526	V3	0.402	
24/08/2012	V2	3.614	V3	0.402	
25/08/2012	V2	0.482	V3	0.402	
26/08/2012	V2	0.792	V3	0.402	
27/08/2012	V2	0.792	V3	0.402	
28/08/2012	V2	0.792	V3	0.402	
29/08/2012	V2	0.792	V3	0.402	
30/08/2012	V2	0.792	V3	0.402	
31/07/2012	V2	0.792	V3	0.402	
*Vibration events due to personnel activity in and around cage at V2 have been excluded from this data					

Site Rainfall Data (Aughoose, Glengad & Terminal)			
Date	Rainfall mm - Glengad	Rainfall mm - Aughoose	Rainfall mm - Terminal
01/08/2012	4.4	4.6	5.8
02/08/2012	2.8	1.6	1.8
03/08/2012	7.4	10.8	11.6
04/08/2012	0.0	0.0	0.0
05/08/2012	0.0	0.0	0.2
06/08/2012	0.2	0.6	0.4
07/08/2012	0.6	0.6	1.0
08/08/2012	0.0	0.0	0.0
09/08/2012	0.0	0.0	0.0
10/08/2012	0.0	0.2	0.0
11/08/2012	0.0	0.0	0.0
12/08/2012	7.6	9.6	15.6
13/08/2012	2.2	2.2	2.0
14/08/2012	2.8	5.6	4.8
15/08/2012	6.8	6.4	9.4
16/08/2012	2.8	2.2	3.2
17/08/2012	4.2	2.0	0.6
18/08/2012	7.2	1.6	3.0
19/08/2012	3.4	4.2	4.2
20/08/2012	4.2	5.4	5.2
21/08/2012	3.4	6.4	6.4
22/08/2012	2.0	4.6	4.4
23/08/2012	6.2	7.6	4.6
24/08/2012	0.6	0.6	2.4
25/08/2012	2.4	3.0	2.0
26/08/2012	0.4	0.4	0.0
27/08/2012	2.8	1.0	0.0
28/08/2012	8.4	8.4	
29/08/2012	8.2	6.6	
Total	91.0	96.2	88.6
	Denotes that no data is available		

Day Time Noise Monitoring / Max Hourly or above 60dB L _{aeq} 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			
NSR1	13.5	18.3	15/08/2012 08:00	01:00:00	2.3	74.8	60.1	77.2	41.6	
			15/08/2012 09:00	01:00:00	3.1	85.3	62.2	81.9	41.8	
			15/08/2012 10:00	01:00:00	3.4	56.3	60.2	69.8	42.1	
			15/08/2012 11:00	01:00:00	4.3	22.8	62.5	75.7	44.0	
			15/08/2012 12:00	01:00:00	3.0	89.3	62.4	77.3	44.3	
			15/08/2012 17:00	01:00:00	2.2	152.3	60.0	82.5	39.8	
			15/08/2012 18:00	01:00:00	2.9	89.3	60.2	80.9	37.7	
			15/08/2012 19:00	01:00:00	2.3	147.5	60.7	78.1	35.9	
NSR2			15/08/2012 12:00	01:00:00	7.3	51.3	60.0	73.5	43.1	
			15/08/2012 13:00	01:00:00	7.4	55.3	62.1	78.7	43.9	
NSR1	12.9	20	16/08/2012 11:00	01:00:00	3.9	159.8	60.6	74.0	40.0	
NSR2			16/08/2012 07:00	01:00:00	6.8	121.0	64.5	82.0	36.7	
			16/08/2012 08:00	01:00:00	5.8	125.5	62.0	82.3	34.7	
			16/08/2012 09:00	01:00:00	4.4	117.0	60.6	79.3	34.6	
			16/08/2012 14:00	01:00:00	4.5	175.0	61.8	84.8	33.9	
NSR1	12.8	20	17/08/2012 11:00	01:00:00	2.0	199.5	55.1	80.1	31.8	
NSR2			17/08/2012 17:00	01:00:00	3.9	28.8	54.3	78.2	34.2	
NSR1	14.6	20	18/08/2012 12:00	01:00:00	2.4	179.0	53.4	75.3	35.1	
NSR2			18/08/2012 08:00	01:00:00	2.9	169.8	62.3	91.8	27.8	
NSR1	15.4	17.7	20/08/2012 07:00	01:00:00	2.5	195.0	57.9	83.6	32.2	
NSR2			20/08/2012 13:00	01:00:00	6.5	187.5	56.0	71.7	37.5	
NSR1	12.6	17.4	21/08/2012 09:00	01:00:00	3.6	161.8	64.7	85.3	36.5	
NSR2			21/08/2012 15:00	01:00:00	6.1	203.0	56.9	80.4	37.6	
NSR1	13	16.8	22/08/2012 13:00	01:00:00	5.1	255.0	58.1	74.5	36.9	
NSR2			22/08/2012 14:00	01:00:00	6.0	217.0	58.1	79.5	41.0	
NSR1	12.3	17.2	23/08/2012 16:00	01:00:00	3.9	188.0	55.5	84.5	32.6	
NSR2			23/08/2012 13:00	01:00:00	4.2	173.5	56.0	79.2	32.7	
NSR1	12.1	17.1	24/08/2012 14:00	01:00:00	4.6	41.8	56.7	73.3	38.4	
NSR2			24/08/2012 18:00	01:00:00	4.5	267.3	58.7	83.9	33.0	
NSR1	8.2	20.0	25/08/2012 12:00	01:00:00	4.1	249.5	67.1	83.8	34.1	Elevated noise level reviewed as per noise protocol. Noise level not site related. AN1 noise level at that time was 55.7dB(A) Laeq.
			25/08/2012 13:00	01:00:00	4.5	266.3	61.4	81.0	34.0	
			25/08/2012 09:00	01:00:00	3.9	302.0	52.3	71.1	36.7	
NSR2	13.5	18.9	27/08/2012 10:00	01:00:00	6.0	229.8	60.5	72.6	39.7	
27/08/2012 14:00			01:00:00	8.8	183.8	62.9	82.3	43.4		
27/08/2012 15:00			01:00:00	8.3	183.3	62.4	81.3	40.8		
NSR1	11.6	17.9	28/08/2012 11:00	01:00:00	5.0	210.8	57.9	79.7	36.9	
NSR2			28/08/2012 12:00	01:00:00	7.1	188.3	59.8	85.0	40.4	
NSR1	11.2	16.8	29/08/2012 11:00	01:00:00	5.1	146.3	59.0	82.7	40.6	
NSR2			29/08/2012 15:00	01:00:00	3.1	337.3	57.6	82.9	40.2	
NSR1	10.5	15.9	30/08/2012 13:00	01:00:00	3.1	321.8	61.1	84.0	27.6	
NSR2			30/08/2012 13:00	01:00:00	3.5	264.5	63.6	90.5	38.3	
NSR1	11.2	17.9	31/08/2012 13:00	01:00:00	3.3	242.3	60.7	73.8	36.5	
NSR2			31/08/2012 07:00	01:00:00	6.4	164.0	60.8	74.5	37.6	
* Wind speeds in excess of 7 m/s negatively impact noise readings										
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										
	NSR1									
	NSR2									

Day Time Noise Monitoring / Max Hourly or above 60dB L _{aeq} Record Sheet									
Determinant Results									
Location	Air Temp. (Min)	Air Temp. (Max)	Start Date and Time	Duration	Wind		Results dB		
					Speed (m/s)*	Direction (Degrees)	L _{Aeq}	L _{Amax}	L _{Amin}
Action Limit							60.0		
Target Limit							65.0		
AN1	12.1	18.0	01/08/2012 08:00	01:00:00	2.9	123.0	64.9	84.7	49.7
			01/08/2012 09:00	01:00:00	3.5	135.8	63.6	78.9	49.8
			01/08/2012 11:00	01:00:00	3.0	137.5	64.7	79.9	50.8
			01/08/2012 12:00	01:00:00	3.7	205.8	75.1	98.3	51.0
			01/08/2012 13:00	00:14:10	5.7	254.8	77.4	87.8	55.3
			01/08/2012 14:00	01:00:00	4.7	240.8	69.2	88.2	47.0
			01/08/2012 15:00	01:00:00	7.4	237.5	73.2	91.0	50.8
			01/08/2012 16:00	01:00:00	5.4	230.5	71.5	86.6	49.7
01/08/2012 17:00			00:45:08	4.4	213.3	70.1	84.0	52.6	
AN2			01/08/2012 12:00	01:00:00	3.7	205.8	64.7	82.3	35.8
			01/08/2012 13:00	01:00:00	5.7	254.8	67.0	83.0	42.7
			01/08/2012 14:00	01:00:00	4.7	240.8	64.1	78.6	39.9
			01/08/2012 15:00	01:00:00	7.4	237.5	66.1	78.0	41.1
			01/08/2012 16:00	01:00:00	5.4	230.5	64.7	79.7	39.5
AN3			01/08/2012 19:00	01:00:00	4.7	201.5	53.2	72.2	34.8
			01/08/2012 12:00	01:00:00	5.6	170.5	58.5	78.2	30.3
GN1			01/08/2012 19:00	01:00:00	6.8	184.0	45.1	61.9	31.2
			01/08/2012 12:00	01:00:00	5.6	170.5	63.7	94.4	32.6
			01/08/2012 13:00	01:00:00	7.8	229.0	63.0	91.6	43.0
			01/08/2012 14:00	01:00:00	7.7	217.0	62.1	77.6	43.7
			01/08/2012 15:00	01:00:00	7.4	210.3	62.5	78.1	43.4
			01/08/2012 16:00	01:00:00	7.0	205.8	61.4	89.8	42.4
			01/08/2012 19:00	01:00:00	6.8	184.0	53.5	71.4	36.6
GN2			01/08/2012 12:00	01:00:00	5.6	170.5	73.1	86.2	49.4
			01/08/2012 13:00	01:00:00	7.8	229.0	75.9	87.6	56.8
			01/08/2012 14:00	01:00:00	7.7	217.0	72.7	83.8	56.3
			01/08/2012 15:00	01:00:00	7.4	210.3	70.2	91.1	53.6
			01/08/2012 16:00	01:00:00	7.0	205.8	69.3	94.6	50.1
RN1			01/08/2012 19:00	01:00:00	6.8	184.0	57.3	75.3	48.7
			01/08/2012 09:00	01:00:00	3.5	135.8	54.4	70.8	42.5
			01/08/2012 19:00	01:00:00	4.7	201.5	47.5	69.9	41.3
AN1	12.2	17.3	02/08/2012 15:00	01:00:00	1.9	141.5	94.8	111.6	48.1
AN2			02/08/2012 12:00	01:00:00	3.3	141.3	56.9	76.2	35.3
AN3			02/08/2012 19:00	01:00:00	2.1	197.8	37.9	56.8	29.6
GN1			02/08/2012 19:00	01:00:00	2.5	102.8	50.9	82.9	29.0
GN2			02/08/2012 09:00	01:00:00	4.0	108.8	63.5	93.2	48.4
			02/08/2012 17:00	01:00:00	3.8	116.0	69.8	98.8	48.4
RN1	02/08/2012 13:00	01:00:00	3.2	150.3	50.4	65.6	39.2		
* Wind speeds in excess of 7 m/s negatively impact noise readings									
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									
	AN1		AN2		AN3		GN1		RN1
	GN2								

Day Time Noise Monitoring / Max Hourly or above 60dB L _{aeq} Record Sheet										
Determinant Results										
Location	Air Temp. (Min)	Air Temp. (Max)	Start Date and Time	Duration	Wind		Results dB			
					Speed (m/s)*	Direction (Degrees)	L _{Aeq}	L _{Amax}	L _{Amin}	
Action Limit							60.0			
Target Limit							65.0			
AN1	12.2	18.9	03/08/2012 11:00	01:00:00	3.9	55.3	61.2	87.6	36.5	
AN2			03/08/2012 15:00	01:00:00	1.9	72.5	61.9	86.4	35.9	
AN3			03/08/2012 15:00	01:00:00	1.9	72.5	52.2	73.2	29.4	
GN1			03/08/2012 16:00	01:00:00	1.3	60.5	49.0	74.8	31.4	
GN2			03/08/2012 14:00	01:00:00	5.9	23.0	67.3	85.2	49.4	
RN1			03/08/2012 15:00	01:00:00	1.9	72.5	62.3	82.5	28.4	
AN1	12.4	18.5	04/08/2012 10:00	01:00:00	4.8	27.8	60.0	75.1	36.8	
			04/08/2012 11:00	01:00:00	5.4	24.0	63.8	78.9	37.2	
			04/08/2012 12:00	01:00:00	5.9	23.8	68.0	80.9	38.3	
			04/08/2012 13:00	01:00:00	3.5	11.0	69.5	80.3	38.8	
			04/08/2012 14:00	01:00:00	3.8	106.0	69.5	80.8	40.0	
			04/08/2012 15:00	01:00:00	5.8	100.0	69.0	80.2	38.0	
			04/08/2012 16:00	01:00:00	3.9	266.8	70.1	80.4	37.6	
			04/08/2012 17:00	01:00:00	5.2	175.3	68.9	80.0	38.0	
			04/08/2012 18:00	01:00:00	3.3	173.8	65.8	77.0	37.6	
			04/08/2012 19:00	01:00:00	3.6	99.0	66.9	81.0	41.5	
			AN2	04/08/2012 12:00	01:00:00	5.9	23.8	58.5	72.3	38.2
			AN3	04/08/2012 13:00	01:00:00	3.5	11.0	44.5	60.8	33.6
GN1	04/08/2012 18:00	01:00:00	4.7	341.3	57.4	92.5	37.8			
GN2	04/08/2012 14:00	01:00:00	5.3	350.3	57.3	82.4	49.1			
RN1	04/08/2012 16:00	01:00:00	3.9	266.8	54.3	76.1	39.3			
AN1	11.3	18.1	06/08/2012 14:00	01:00:00	3.2	197.3	47.0	65.2	39.0	
AN2			06/08/2012 12:00	01:00:00	2.9	191.8	46.5	68.1	31.6	
AN3			06/08/2012 10:00	01:00:00	1.4	163.8	41.9	69.7	22.6	
GN1			06/08/2012 18:00	01:00:00	3.2	233.3	54.7	89.5	28.4	
GN2			06/08/2012 17:00	01:00:00	3.0	239.8	59.9	83.6	49.7	
RN1			06/08/2012 10:00	01:00:00	1.4	163.8	40.0	65.7	23.9	
AN1	11.7	19.1	07/08/2012 11:00	01:00:00	1.3	253.0	71.2	99.9	35.8	
			07/08/2012 16:00	01:00:00	3.2	164.8	64.4	86.8	37.6	
AN2			07/08/2012 15:00	01:00:00	3.3	26.3	54.8	73.9	34.4	
AN3			07/08/2012 07:00	01:00:00	0.6	171.3	42.0	65.4	28.8	
GN1			07/08/2012 18:00	01:00:00	3.7	17.5	56.4	88.6	27.6	
GN2			07/08/2012 09:00	01:00:00	0.9	271.8	68.6	84.8	49.4	
			07/08/2012 10:00	01:00:00	1.2	240.3	64.1	83.2	49.2	
			07/08/2012 11:00	01:00:00	1.6	308.0	69.9	85.6	51.0	
			07/08/2012 12:00	01:00:00	2.4	349.5	69.0	85.2	49.5	
			07/08/2012 13:00	01:00:00	2.4	339.0	66.2	91.8	49.6	
			07/08/2012 15:00	01:00:00	3.1	347.5	62.4	85.0	43.2	
			07/08/2012 16:00	01:00:00	3.5	101.5	61.9	81.1	42.6	
			07/08/2012 17:00	01:00:00	2.3	9.5	44.3	64.4	33.1	
RN1										
* Wind speeds in excess of 7 m/s negatively impact noise readings										
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										
	AN1		AN2		AN3		GN1		RN1	
	GN2									

Day Time Noise Monitoring / Max Hourly or above 60dB L _{aeq} Record Sheet											
Determinant Results											
Location	Air Temp. (Min)	Air Temp. (Max)	Start Date and Time	Duration	Wind		Results dB				
					Speed (m/s)*	Direction (Degrees)	L _{Aeq}	L _{Amax}	L _{Amin}		
Action Limit							60.0				
Target Limit							65.0				
AN1	11.6	20.5	08/08/2012 09:00	01:00:00	1.2	180.3	58.4	83.4	39.8		
AN2			08/08/2012 12:00	01:00:00	2.4	19.5	58.1	75.9	34.1		
AN3			08/08/2012 08:00	01:00:00	0.4	117.5	51.5	77.0	26.3		
GN1			08/08/2012 19:00	01:00:00	1.6	37.0	56.9	94.9	28.8		
GN2			08/08/2012 08:00	01:00:00	1.4	69.3	60.5	81.1	49.4		
			08/08/2012 12:00	01:00:00	1.4	226.5	62.4	89.3	49.6		
			08/08/2012 15:00	01:00:00	2.6	346.8	66.6	85.7	49.3		
			08/08/2012 16:00	01:00:00	2.8	348.5	62.5	83.1	49.5		
RN1			08/08/2012 07:00	01:00:00	0.2	133.3	40.6	69.8	26.9		
AN1	13.5	21.4	09/08/2012 12:00	01:00:00	1.3	264.5	60.3	87.5	37.9		
AN2			09/08/2012 15:00	01:00:00	2.2	316.3	56.6	75.5	41.1		
AN3			09/08/2012 12:00	01:00:00	1.3	264.5	47.8	75.8	26.1		
GN1			09/08/2012 13:00	01:00:00	1.7	224.0	43.8	79.4	27.0		
GN2			09/08/2012 09:00	01:00:00			62.7	85.4	48.8		
			09/08/2012 11:00	01:00:00	1.8	261.5	65.0	78.8	49.9		
			09/08/2012 12:00	01:00:00	1.9	217.8	68.8	82.5	50.4		
			09/08/2012 13:00	01:00:00	1.7	224.0	61.3	81.3	49.5		
			09/08/2012 14:00	01:00:00	1.7	221.3	61.4	79.7	49.4		
			09/08/2012 15:00	01:00:00	2.4	214.8	69.5	91.9	50.1		
			09/08/2012 16:00	01:00:00	2.0	220.0	67.0	89.6	49.6		
			09/08/2012 17:00	01:00:00	2.4	218.0	64.6	88.3	49.5		
RN1			09/08/2012 07:00	01:00:00	0.3	190.3	45.0	77.0	25.8		
AN1	10.4	26.9	10/08/2012 08:00	01:00:00	0.6	79.0	62.2	80.3	43.0		
			10/08/2012 09:00	01:00:00	1.0	107.8	63.1	87.0	42.4		
			10/08/2012 10:00	01:00:00	1.0	153.0	61.3	88.0	41.3		
			10/08/2012 15:00	01:00:00	1.2	146.5	60.6	86.6	41.4		
			AN2	10/08/2012 18:00	01:00:00	3.7	43.3	53.0	71.1	27.7	
AN3			10/08/2012 18:00	01:00:00	3.7	43.3	47.1	71.4	27.7		
GN1			10/08/2012 16:00	01:00:00	5.1	23.3	54.8	90.0	31.0		
GN2			10/08/2012 08:00	01:00:00	2.8	71.3	65.3	82.8	49.9		
			10/08/2012 09:00	01:00:00	2.5	77.8	69.5	86.6	50.0		
			10/08/2012 10:00	01:00:00	2.0	89.5	63.6	81.5	49.0		
			10/08/2012 11:00	0.041667	1.8	90.8	69.9	88.6	52.1		
			10/08/2012 12:00	0.041667	2.0	72.3	63.7	83.5	49.3		
			10/08/2012 15:00	01:00:00	4.4	24.0	76.7	104.0	51.6		
			RN1	10/08/2012 17:00	01:00:00	2.4	87.5	44.0	65.8	34.1	
* Wind speeds in excess of 7 m/s negatively impact noise readings											
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											
	AN1		AN2		AN3		GN1		RN1		
	GN2										

Day Time Noise Monitoring / Max Hourly or above 60dB L _{aeq} Record Sheet										
Determinant Results										
Location	Air Temp. (Min)	Air Temp. (Max)	Start Date and Time	Duration	Wind		Results dB			
					Speed (m/s)*	Direction (Degrees)	L _{Aeq}	L _{Amax}	L _{Amin}	
Action Limit							60.0			
Target Limit							65.0			
AN1	15.1	23.3	11/08/2012 11:00	01:00:00	2.7	122.8	62.6	79.3	43.5	
			11/08/2012 12:00	01:00:00	2.3	140.5	61.6	76.6	44.2	
			11/08/2012 13:00	01:00:00	3.2	108.0	60.3	78.5	43.5	
			11/08/2012 16:00	01:00:00	2.0	158.5	64.3	80.3	44.5	
			11/08/2012 19:00	01:00:00	3.7	118.8	65.8	84.2	44.4	
			AN2	11/08/2012 12:00	01:00:00	2.3	140.5	57.4	73.0	30.4
			AN3	11/08/2012 18:00	01:00:00	2.6	108.3	49.3	67.5	34.1
			GN1	11/08/2012 10:00	01:00:00	4.2	63.5	47.2	79.7	29.0
			GN2	11/08/2012 12:00	01:00:00	4.3	59.3	54.9	80.2	48.7
			RN1	11/08/2012 19:00	01:00:00	3.7	118.8	56.2	76.1	41.3
AN1	13.8	19.3	13/08/2012 09:00	01:00:00	1.7	164.0	64.2	82.5	47.1	
			13/08/2012 10:00	01:00:00	4.4	183.8	65.2	83.6	45.4	
			13/08/2012 11:00	01:00:00	5.5	167.5	71.3	91.8	49.2	
			13/08/2012 12:00	01:00:00	5.5	193.5	71.0	86.5	50.5	
			13/08/2012 13:00	01:00:00	5.5	178.3	68.7	84.8	47.1	
			13/08/2012 14:00	01:00:00	5.0	191.3	68.5	85.7	47.4	
			13/08/2012 15:00	01:00:00	3.7	190.0	69.9	85.7	50.5	
			13/08/2012 16:00	01:00:00	6.2	185.5	64.7	82.1	49.4	
			13/08/2012 17:00	01:00:00	4.5	201.8	64.0	80.3	49.2	
			13/08/2012 18:00	01:00:00	4.8	186.3	62.3	81.0	43.8	
			AN2	13/08/2012 13:00	01:00:00	5.5	178.3	57.9	81.0	39.5
			AN3	13/08/2012 07:00	01:00:00	2.0	124.5	49.3	73.5	29.2
			GN1	13/08/2012 15:00	01:00:00	5.5	182.0	55.8	85.4	34.1
			GN2	13/08/2012 09:00	01:00:00	3.8	113.8	71.3	93.4	49.6
				13/08/2012 10:00	01:00:00	3.9	148.5	64.2	83.2	49.3
				13/08/2012 11:00	01:00:00	5.4	158.3	70.5	82.4	51.7
				13/08/2012 12:00	01:00:00	6.6	172.5	70.5	83.2	50.4
				13/08/2012 13:00	01:00:00	6.2	169.5	63.7	81.6	49.1
				13/08/2012 14:00	01:00:00	4.9	173.0	64.1	85.5	48.7
				13/08/2012 15:00	01:00:00	5.5	182.0	65.1	83.3	49.9
13/08/2012 16:00	01:00:00	5.2		164.8	68.0	86.3	48.6			
RN1	13/08/2012 11:00	01:00:00	5.5	167.5	53.2	76.5	42.1			
* Wind speeds in excess of 7 m/s negatively impact noise readings										
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										
	AN1		AN2		AN3		GN1		RN1	
	GN2									

Day Time Noise Monitoring / Max Hourly or above 60dB L _{aeq} Record Sheet									
Determinant Results									
Location	Air Temp. (Min)	Air Temp. (Max)	Start Date and Time	Duration	Wind		Results dB		
					Speed (m/s)*	Direction (Degrees)	L _{Aeq}	L _{Amax}	L _{Amin}
Action Limit							60.0		
Target Limit							65.0		
AN1	12.6	21.3	14/08/2012 09:00	01:00:00	3.1	177.3	62.0	79.0	47.7
			14/08/2012 10:00	01:00:00	3.5	151.3	65.0	87.0	46.8
			14/08/2012 11:00	01:00:00	2.9	186.8	66.7	90.1	48.4
			14/08/2012 12:00	01:00:00	3.5	204.3	65.9	77.8	49.9
			14/08/2012 13:00	01:00:00	2.2	162.5	60.1	75.1	46.8
			14/08/2012 15:00	01:00:00	2.9	197.0	65.7	77.4	49.7
			14/08/2012 17:00	01:00:00	2.2	15.5	71.8	98.0	41.8
			14/08/2012 11:00	01:00:00	2.9	186.8	62.6	81.4	30.7
			14/08/2012 19:00	01:00:00	2.4	42.8	46.1	66.8	23.8
			14/08/2012 15:00	01:00:00	2.9	223.0	60.2	93.2	27.8
			14/08/2012 19:00	01:00:00	2.1	29.3	61.9	91.8	32.9
			14/08/2012 08:00	01:00:00	1.9	121.0	71.5	89.7	49.2
			14/08/2012 09:00	01:00:00	2.9	143.0	64.9	78.4	49.0
			14/08/2012 09:00	01:00:00	3.1	177.3	52.7	70.1	27.8
AN1	13.5	18.3	15/08/2012 08:00	01:00:00	2.3	74.8	62.1	78.2	44.0
			15/08/2012 09:00	01:00:00	3.1	85.3	67.3	88.9	44.5
			15/08/2012 10:00	01:00:00	3.4	56.3	67.3	78.6	44.8
			15/08/2012 11:00	01:00:00	4.3	22.8	67.5	78.9	45.5
			15/08/2012 12:00	01:00:00	3.0	89.3	64.8	91.3	41.8
			15/08/2012 13:00	01:00:00	2.9	114.8	67.5	78.9	45.5
			15/08/2012 14:00	01:00:00	1.8	240.0	65.9	82.0	48.0
			15/08/2012 15:00	01:00:00	2.0	169.0	63.3	78.1	44.9
			15/08/2012 16:00	01:00:00	2.5	138.0	60.3	76.3	43.8
			15/08/2012 17:00	01:00:00	2.2	152.3	66.1	90.2	47.6
			15/08/2012 18:00	01:00:00	2.9	89.3	66.5	91.3	46.9
			15/08/2012 19:00	01:00:00	2.3	147.5	63.9	79.4	45.6
			15/08/2012 11:00	01:00:00	4.3	22.8	61.5	75.2	39.2
			15/08/2012 13:00	01:00:00	2.9	114.8	62.0	77.8	42.8
			15/08/2012 17:00	01:00:00	2.2	152.3	60.3	77.7	39.3
			15/08/2012 18:00	01:00:00	2.9	89.3	60.2	78.8	36.2
			15/08/2012 19:00	01:00:00	2.3	147.5	63.8	83.4	37.3
			15/08/2012 10:00	01:00:00	3.4	56.3	51.1	67.5	39.4
			15/08/2012 12:00	01:00:00	52.9	74.9	41.2	7.3	51.3
			15/08/2012 11:00	01:00:00	8.6	41.8	67.9	85.8	51.0
			15/08/2012 12:00	01:00:00	7.3	51.3	68.1	90.7	49.6
15/08/2012 13:00	01:00:00	7.4	55.3	63.6	82.5	49.7			
15/08/2012 15:00	01:00:00	6.7	57.8	63.2	82.6	49.3			
15/08/2012 16:00	01:00:00	5.0	65.8	63.1	79.5	49.8			
15/08/2012 12:00	01:00:00	3.0	89.3	59.2	72.7	44.7			
* Wind speeds in excess of 7 m/s negatively impact noise readings									
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									
	AN1		AN2		AN3		GN1		RN1
	GN2								

Day Time Noise Monitoring / Max Hourly or above 60dB L _{aeq} Record Sheet									
Determinant Results									
Location	Air Temp. (Min)	Air Temp. (Max)	Start Date and Time	Duration	Wind		Results dB		
					Speed (m/s)*	Direction (Degrees)	L _{Aeq}	L _{Amax}	L _{Amin}
Action Limit							60.0		
Target Limit							65.0		
AN1	12.9	20.0	16/08/2012 07:00	01:00:00	3.8	150.5	65.1	83.0	45.4
			16/08/2012 08:00	01:00:00	5.8	167.3	66.1	82.0	47.7
			16/08/2012 09:00	01:00:00	5.1	184.3	67.5	84.3	52.8
			16/08/2012 10:00	01:00:00	4.0	169.0	68.0	84.9	49.4
			16/08/2012 11:00	01:00:00	3.9	159.8	68.7	83.9	51.8
			16/08/2012 12:00	01:00:00	8.5	185.0	69.1	83.7	49.4
			16/08/2012 13:00	01:00:00	4.8	191.8	67.2	83.4	51.0
			16/08/2012 14:00	01:00:00	3.0	156.3	63.6	81.6	49.1
			16/08/2012 15:00	01:00:00	3.1	193.8	60.4	76.0	47.3
			16/08/2012 16:00	01:00:00	4.2	171.3	63.6	78.4	49.9
			16/08/2012 17:00	01:00:00	3.1	186.3	61.0	78.4	48.9
AN2			16/08/2012 08:00	01:00:00	5.8	167.3	60.8	81.3	36.8
			16/08/2012 09:00	01:00:00	5.1	184.3	60.6	78.3	38.3
			16/08/2012 10:00	01:00:00	4.0	169.0	60.5	79.2	38.8
			16/08/2012 15:00	01:00:00	3.1	193.8	60.6	81.5	36.0
AN3			16/08/2012 13:00	01:00:00	4.8	191.8	45.9	69.4	31.9
GN1			16/08/2012 15:00	01:00:00	3.8	126.3	61.9	89.6	31.2
GN2			16/08/2012 07:00	01:00:00	6.8	121.0	67.6	83.8	49.4
			16/08/2012 08:00	01:00:00	5.8	125.5	69.2	92.9	49.1
			16/08/2012 09:00	01:00:00	4.4	117.0	62.8	82.1	49.7
			16/08/2012 10:00	01:00:00	4.2	196.3	63.9	82.4	49.8
			16/08/2012 11:00	01:00:00	4.3	182.5	62.9	86.1	49.8
			16/08/2012 12:00	01:00:00	3.7	154.3	61.9	78.1	49.8
			16/08/2012 13:00	01:00:00	3.3	162.5	63.1	80.1	49.7
			16/08/2012 14:00	01:00:00	4.5	175.0	64.5	82.4	50.0
			16/08/2012 15:00	01:00:00	3.8	126.3	61.1	78.9	49.2
RN1			16/08/2012 11:00	01:00:00	3.9	159.8	55.2	77.5	42.7
AN1	12.8	20.0	17/08/2012 10:00	01:00:00	1.4	238.0	61.7	86.6	43.7
AN2			17/08/2012 09:00	01:00:00	1.5	199.8	63.2	77.0	30.7
			17/08/2012 10:00	01:00:00	1.4	238.0	65.8	77.3	30.3
AN3			17/08/2012 07:00	01:00:00	0.6	180.3	47.3	74.5	25.2
GN1			17/08/2012 18:00	01:00:00	3.0	29.8	48.2	86.8	29.2
GN2			17/08/2012 07:00	01:00:00	1.9	216.0	66.9	85.9	49.1
			17/08/2012 08:00	01:00:00	2.1	195.3	70.8	84.7	50.5
			17/08/2012 10:00	01:00:00	2.7	195.5	60.1	75.8	50.7
			17/08/2012 12:00	01:00:00	2.7	204.5	60.5	76.3	50.1
			17/08/2012 14:00	01:00:00	2.5	265.0	66.4	88.6	50.3
			17/08/2012 15:00	01:00:00	2.1	311.0	62.2	79.1	50.1
	RN1	17/08/2012 07:00	01:00:00	0.6	180.3	51.5	83.6	22.2	
* Wind speeds in excess of 7 m/s negatively impact noise readings									
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									
	AN1		AN2		AN3		GN1		RN1
	GN2								

Day Time Noise Monitoring / Max Hourly or above 60dB L _{aeq} Record Sheet											
Determinant Results											
Location	Air Temp. (Min)	Air Temp. (Max)	Start Date and Time	Duration	Wind		Results dB				
					Speed (m/s)*	Direction (Degrees)	L _{Aeq}	L _{Amax}	L _{Amin}		
Action Limit							60.0				
Target Limit							65.0				
AN1	14.6	20.0	18/08/2012 11:00	01:00:00	2.8	190.3	61.0	78.0	43.9		
			18/08/2012 12:00	01:00:00	2.4	179.0	61.9	79.2	43.1		
			18/08/2012 15:00	01:00:00	4.3	184.3	62.1	81.1	41.2		
			18/08/2012 16:00	01:00:00	4.1	183.5	61.9	79.7	40.8		
			18/08/2012 17:00	01:00:00	5.2	183.8	60.5	80.4	37.0		
			18/08/2012 18:00	01:00:00	3.8	156.8	62.1	79.4	38.2		
			18/08/2012 08:00	01:00:00	3.3	178.5	52.3	80.3	28.2		
			18/08/2012 15:00	01:00:00	4.3	184.3	47.9	74.0	27.5		
			18/08/2012 13:00	01:00:00	3.6	166.0	53.4	82.0	30.9		
			18/08/2012 09:00	01:00:00	4.6	172.5	63.2	92.5	49.6		
			18/08/2012 12:00	01:00:00	3.6	131.3	60.4	86.3	49.8		
			18/08/2012 13:00	01:00:00	3.6	166.0	60.9	78.9	49.6		
			18/08/2012 14:00	01:00:00	5.6	174.3	60.8	86.0	49.5		
			18/08/2012 15:00	01:00:00	4.3	184.3	48.1	67.9	35.9		
			AN2								
			AN3								
GN1											
GN2											
	RN1										
AN1	15.4	17.7	20/08/2012 08:00	01:00:00	4.6	197.5	61.2	77.2	47.7		
			20/08/2012 09:00	01:00:00	3.4	200.0	62.4	75.2	49.8		
			20/08/2012 10:00	01:00:00	3.4	196.8	62.1	78.3	46.7		
			20/08/2012 11:00	01:00:00	3.8	199.3	63.4	81.9	48.1		
			20/08/2012 12:00	01:00:00	4.5	206.8	66.6	87.9	48.7		
			20/08/2012 13:00	01:00:00	3.8	207.3	63.9	81.8	48.3		
			20/08/2012 14:00	01:00:00	3.9	214.5	63.0	79.5	46.9		
			20/08/2012 15:00	01:00:00	2.8	203.8	62.1	77.6	49.1		
			20/08/2012 16:00	01:00:00	2.9	208.5	64.6	84.9	48.3		
			20/08/2012 17:00	01:00:00	3.4	211.5	70.5	88.2	52.2		
			20/08/2012 12:00	01:00:00	4.5	206.8	56.1	73.8	36.8		
			20/08/2012 13:00	01:00:00	3.8	207.3	42.9	61.9	30.2		
			20/08/2012 12:00	01:00:00	6.0	188.5	55.1	87.9	33.1		
			20/08/2012 07:00	01:00:00	4.8	185.8	64.5	82.5	49.4		
			20/08/2012 08:00	01:00:00	6.0	187.8	66.5	81.9	50.2		
			20/08/2012 09:00	01:00:00	5.6	180.0	63.0	82.9	49.5		
20/08/2012 10:00	01:00:00	5.8	179.5	66.8	85.7	49.5					
20/08/2012 11:00	01:00:00	5.5	182.3	65.6	88.6	50.9					
20/08/2012 12:00	01:00:00	6.0	188.5	69.4	87.8	49.9					
20/08/2012 14:00	01:00:00	5.4	191.3	64.2	82.8	51.8					
20/08/2012 15:00	01:00:00	5.4	180.3	64.4	85.2	50.1					
20/08/2012 17:00	01:00:00	4.9	182.3	61.2	85.5	49.3					
20/08/2012 08:00	01:00:00	4.6	197.5	46.5	70.8	33.2					
* Wind speeds in excess of 7 m/s negatively impact noise readings											
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											
	AN1		AN2		AN3		GN1		RN1		
	GN2										

Day Time Noise Monitoring / Max Hourly or above 60dB L _{aeq} Record Sheet									
Determinant Results									
Location	Air Temp. (Min)	Air Temp. (Max)	Start Date and Time	Duration	Wind		Results dB		
					Speed (m/s)*	Direction (Degrees)	L _{Aeq}	L _{Amax}	L _{Amin}
Action Limit							60.0		
Target Limit							65.0		
AN1	12.6	17.4	21/08/2012 08:00	01:00:00	2.6	119.5	60.4	79.6	44.2
			21/08/2012 09:00	01:00:00	3.6	161.8	63.9	82.7	48.0
			21/08/2012 10:00	01:00:00	5.3	200.3	68.3	91.5	45.9
			21/08/2012 11:00	01:00:00	2.6	206.3	71.7	97.7	52.2
			21/08/2012 12:00	01:00:00	2.8	235.3	70.0	90.4	56.2
			21/08/2012 13:00	01:00:00	4.8	225.3	66.9	83.1	47.5
			21/08/2012 14:00	01:00:00	3.4	215.0	67.2	89.1	46.2
			21/08/2012 15:00	01:00:00	4.5	244.0	67.1	87.3	54.3
			21/08/2012 16:00	01:00:00	4.5	234.5	67.2	81.4	53.7
			21/08/2012 17:00	01:00:00	4.4	240.5	62.1	76.3	48.8
AN2			21/08/2012 15:00	01:00:00	4.5	244.0	61.3	74.7	40.6
AN3			21/08/2012 16:00	01:00:00	4.5	234.5	48.3	64.0	31.8
GN1			21/08/2012 18:00	01:00:00	5.5	208.5	57.3	89.9	38.7
GN2			21/08/2012 07:00	01:00:00	2.8	117.3	63.2	87.9	49.5
			21/08/2012 08:00	01:00:00	2.6	108.5	70.8	95.6	49.5
			21/08/2012 09:00	01:00:00	4.6	155.5	61.5	78.1	49.2
			21/08/2012 10:00	01:00:00	6.0	178.8	60.6	73.0	50.1
			21/08/2012 11:00	01:00:00	5.5	195.5	67.9	81.7	50.7
			21/08/2012 12:00	01:00:00	5.4	189.8	66.8	82.1	50.2
			21/08/2012 14:00	01:00:00	6.3	195.3	62.9	82.7	50.9
	21/08/2012 15:00	01:00:00	6.1	203.0	64.3	81.4	51.4		
	21/08/2012 17:00	01:00:00	5.6	209.5	61.6	85.2	51.1		
RN1	21/08/2012 18:00	01:00:00	5.5	208.5	60.4	75.0	50.6		
		21/08/2012 07:00	01:00:00	1.7	143.0	53.8	67.0	33.2	
* Wind speeds in excess of 7 m/s negatively impact noise readings									
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									
	AN1		AN2		AN3		GN1		RN1
	GN2								

Day Time Noise Monitoring / Max Hourly or above 60dB L _{aeq} Record Sheet									
Determinant Results									
Location	Air Temp. (Min)	Air Temp. (Max)	Start Date and Time	Duration	Wind		Results dB		
					Speed (m/s)*	Direction (Degrees)	L _{Aeq}	L _{Amax}	L _{Amin}
Action Limit							60.0		
Target Limit							65.0		
AN1	13.0	16.8	22/08/2012 08:00	01:00:00	3.4	233.8	63.9	85.0	49.9
			22/08/2012 09:00	01:00:00	3.4	245.5	66.2	78.8	48.5
			22/08/2012 10:00	01:00:00	3.4	248.3	69.1	88.6	48.6
			22/08/2012 11:00	01:00:00	5.5	223.5	71.6	80.8	52.7
			22/08/2012 12:00	01:00:00	4.0	242.8	65.0	86.0	51.2
			22/08/2012 13:00	01:00:00	5.1	255.0	62.9	77.3	48.5
			22/08/2012 14:00	01:00:00	4.5	244.0	60.3	78.1	46.1
			22/08/2012 15:00	01:00:00	5.2	241.8	67.7	80.7	52.5
			22/08/2012 16:00	01:00:00	4.6	267.5	70.3	82.9	50.9
			22/08/2012 17:00	01:00:00	3.4	247.0	63.2	83.6	48.7
			22/08/2012 18:00	01:00:00	3.4	229.0	60.0	75.6	41.8
AN2			22/08/2012 10:00	01:00:00	3.4	248.3	61.1	81.7	33.8
			22/08/2012 11:00	01:00:00	5.5	223.5	60.8	73.4	38.2
			22/08/2012 12:00	01:00:00	4.0	242.8	60.6	75.9	40.6
			22/08/2012 15:00	01:00:00	5.2	241.8	60.2	74.4	39.0
			22/08/2012 18:00	01:00:00	3.4	229.0	60.0	82.0	31.6
AN3			22/08/2012 15:00	01:00:00	5.2	241.8	49.7	67.9	34.8
GN1			22/08/2012 12:00	01:00:00	5.8	220.3	57.0	89.1	38.8
GN2			22/08/2012 07:00	01:00:00	4.2	206.0	67.4	87.5	52.4
			22/08/2012 08:00	01:00:00	4.8	218.5	68.8	86.2	49.5
			22/08/2012 09:00	01:00:00	5.1	219.3	66.6	91.3	49.3
	22/08/2012 10:00	01:00:00	5.4	210.8	69.6	85.6	51.3		
	22/08/2012 11:00	01:00:00	5.5	221.3	63.0	77.3	51.7		
	22/08/2012 12:00	01:00:00	5.8	220.3	65.2	76.8	51.6		
	22/08/2012 13:00	01:00:00	5.9	220.8	67.5	82.7	52.7		
	22/08/2012 14:00	01:00:00	6.0	217.0	65.8	86.3	51.8		
	22/08/2012 15:00	01:00:00	5.7	218.5	62.2	73.2	51.3		
	22/08/2012 16:00	01:00:00	6.0	220.5	60.8	81.5	51.0		
	22/08/2012 17:00	01:00:00	5.3	219.3	63.2	83.1	51.6		
RN1	22/08/2012 08:00	01:00:00	3.4	233.8	49.2	72.5	30.9		
AN1	12.3	17.2	23/08/2012 10:00	01:00:00	2.1	162.3	64.2	88.8	48.3
			23/08/2012 11:00	01:00:00	3.4	200.5	63.0	83.6	48.8
			23/08/2012 12:00	01:00:00	4.0	187.5	71.9	84.9	51.2
			23/08/2012 15:00	01:00:00	2.8	191.3	60.5	71.5	53.2
			23/08/2012 12:00	01:00:00	4.0	187.5	58.6	74.0	37.1
			23/08/2012 13:00	01:00:00	2.3	206.5	43.8	60.8	28.8
GN1			23/08/2012 11:00	01:00:00	3.2	182.0	54.5	91.9	29.8
GN2			23/08/2012 09:00	01:00:00	3.3	117.3	65.5	82.5	50.1
			23/08/2012 11:00	01:00:00	3.2	182.0	61.4	77.7	49.3
			23/08/2012 12:00	01:00:00	4.3	183.8	62.1	78.1	50.1
			23/08/2012 14:00	01:00:00	4.5	178.3	63.8	88.5	50.0
			23/08/2012 15:00	01:00:00	4.2	166.8	64.6	78.8	50.7
			23/08/2012 16:00	01:00:00	4.0	181.3	65.5	80.3	50.1
			23/08/2012 18:00	01:00:00	4.1	157.0	64.4	87.7	49.4
	RN1	23/08/2012 13:00	01:00:00	2.3	206.5	48.3	70.3	31.3	
* Wind speeds in excess of 7 m/s negatively impact noise readings									
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									
	AN1		AN2		AN3		GN1		RN1
	GN2								

Day Time Noise Monitoring / Max Hourly or above 60dB L _{aeq} Record Sheet									
Determinant Results									
Location	Air Temp. (Min)	Air Temp. (Max)	Start Date and Time	Duration	Wind		Results dB		
					Speed (m/s)*	Direction (Degrees)	L _{Aeq}	L _{Amax}	L _{Amin}
Action Limit							60.0		
Target Limit							65.0		
AN1	12.1	17.1	24/08/2012 14:00	01:00:00	4.6	41.8	62.6	89.9	42.6
AN2			24/08/2012 15:00	01:00:00	3.8	36.5	61.5	74.6	44.2
AN3			24/08/2012 15:00	01:00:00	3.8	36.5	45.4	67.4	32.3
GN1			24/08/2012 16:00	01:00:00	4.6	8.8	54.0	82.6	33.5
GN2			24/08/2012 08:00	01:00:00	3.5	52.8	70.5	89.5	50.1
			24/08/2012 09:00	01:00:00	4.1	62.0	71.5	88.1	47.7
			24/08/2012 10:00	01:00:00	4.0	58.3	64.1	83.6	49.6
			24/08/2012 11:00	01:00:00	4.2	52.3	67.3	86.8	50.5
			24/08/2012 12:00	01:00:00	4.5	28.8	70.5	90.2	49.7
			24/08/2012 13:00	01:00:00	5.2	25.3	62.2	79.9	48.8
			24/08/2012 14:00	01:00:00	5.4	16.5	60.5	83.3	49.3
			24/08/2012 15:00	01:00:00	4.8	8.8	65.8	85.7	48.8
			24/08/2012 16:00	01:00:00	4.6	8.8	71.2	91.9	49.8
RN1			24/08/2012 07:00	01:00:00	1.5	107.8	46.8	75.4	28.4
AN1	8.2	20.0	25/08/2012 12:00	01:00:00	4.1	249.5	55.7	76.0	43.7
AN2			25/08/2012 11:00	01:00:00	4.2	174.8	59.3	77.4	36.2
AN3			25/08/2012 07:00	01:00:00	2.7	252.0	47.0	72.5	28.8
GN1			25/08/2012 17:00	01:00:00	4.1	289.5	60.1	93.4	30.4
GN2			25/08/2012 09:00	01:00:00	3.9	302.0	58.8	68.4	50.1
RN1			25/08/2012 10:00	01:00:00	3.9	94.3	55.9	86.6	30.1
* Wind speeds in excess of 7 m/s negatively impact noise readings									
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									
	AN1		AN2		AN3		GN1		RN1
	GN2								

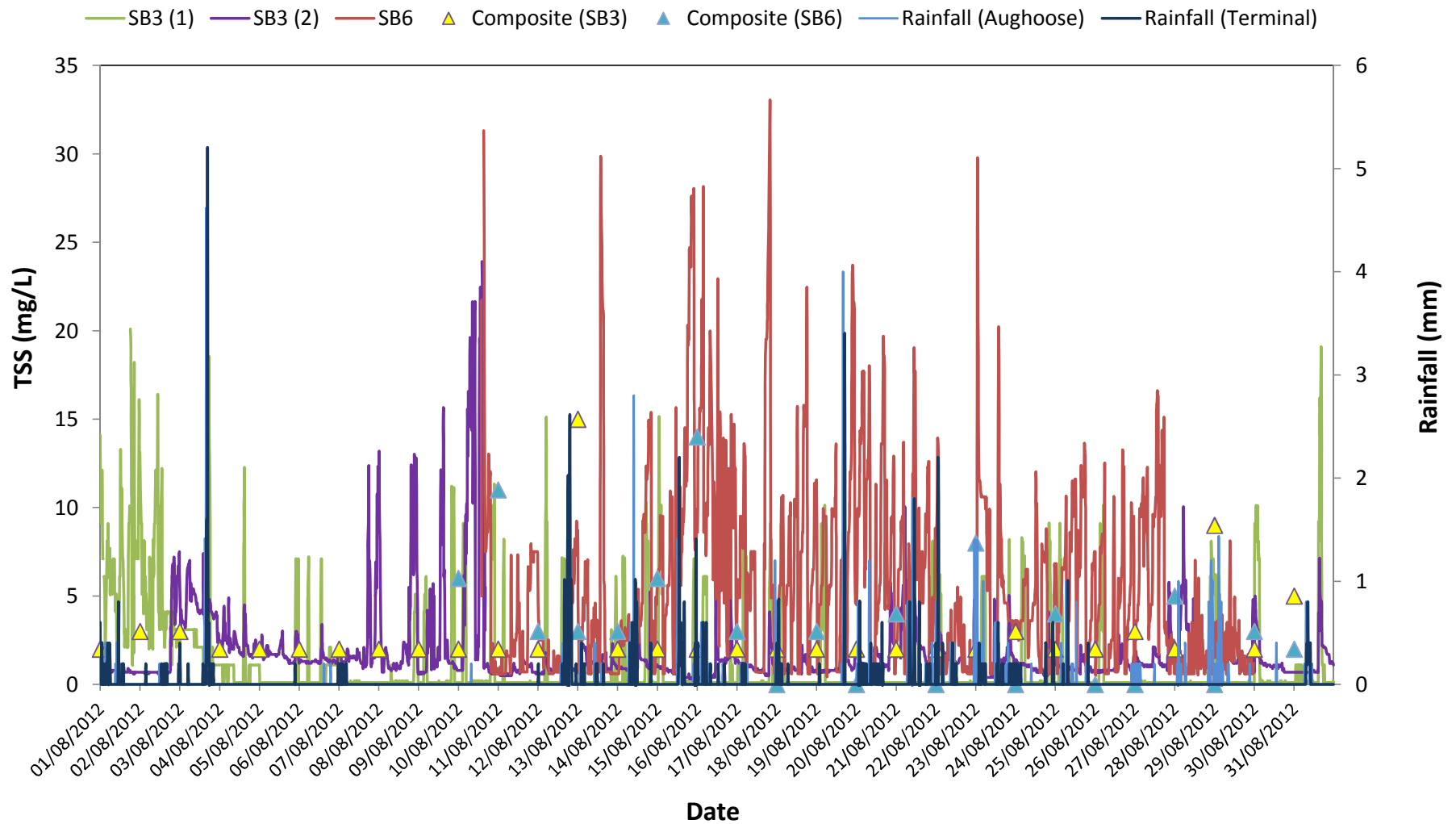
Day Time Noise Monitoring / Max Hourly or above 60dB L _{aeq} Record Sheet											
Determinant Results											
Location	Air Temp. (Min)	Air Temp. (Max)	Start Date and Time	Duration	Wind		Results dB				
					Speed (m/s)*	Direction (Degrees)	L _{Aeq}	L _{Amax}	L _{Amin}		
Action Limit							60.0				
Target Limit							65.0				
AN1	13.5	18.9	27/08/2012 07:00	01:00:00	5.6	226.0	62.8	80.6	45.6		
			27/08/2012 08:00	01:00:00	3.8	208.0	64.3	79.8	51.3		
			27/08/2012 09:00	01:00:00	4.9	214.0	68.1	84.0	51.2		
			27/08/2012 10:00	01:00:00	6.0	229.8	71.7	86.5	51.9		
			27/08/2012 11:00	01:00:00	4.2	232.0	69.7	84.9	52.5		
			27/08/2012 12:00	01:00:00	4.9	208.5	70.8	87.2	51.8		
			27/08/2012 13:00	01:00:00	6.9	227.0	68.8	85.5	49.5		
			27/08/2012 14:00	01:00:00	3.9	228.3	66.3	83.0	49.6		
			27/08/2012 15:00	01:00:00	4.2	215.8	65.5	83.0	49.8		
			27/08/2012 16:00	01:00:00	4.3	232.3	65.1	83.3	50.2		
			27/08/2012 17:00	01:00:00	3.8	236.3	65.0	81.4	50.3		
			27/08/2012 18:00	01:00:00	3.0	250.3	63.8	81.1	43.1		
AN2			27/08/2012 13:00	01:00:00	6.9	227.0	60.3	76.2	39.7		
			27/08/2012 16:00	01:00:00	4.3	232.3	61.0	75.7	39.6		
			27/08/2012 17:00	01:00:00	3.8	236.3	61.6	75.8	37.5		
AN3			27/08/2012 19:00	01:00:00	2.9	242.0	54.3	72.2	30.9		
GN1			27/08/2012 16:00	01:00:00	4.3	232.3	51.0	71.2	30.8		
			27/08/2012 10:00	01:00:00	7.6	181.3	64.0	80.2	39.5		
			27/08/2012 11:00	01:00:00	7.9	188.3	64.0	82.3	41.0		
			27/08/2012 12:00	01:00:00	8.7	187.5	65.4	83.4	42.3		
			27/08/2012 13:00	01:00:00	8.0	184.5	69.1	92.2	42.8		
			27/08/2012 14:00	01:00:00	8.8	183.8	62.0	87.9	39.6		
GN2			27/08/2012 15:00	01:00:00	8.3	183.3	61.5	80.5	37.6		
			27/08/2012 07:00	01:00:00	4.6	180.3	61.1	77.9	49.5		
			27/08/2012 08:00	01:00:00	4.6	171.5	62.1	83.5	49.3		
			27/08/2012 09:00	01:00:00	6.0	179.5	66.1	81.3	50.0		
			27/08/2012 10:00	01:00:00	7.6	181.3	70.2	85.0	51.1		
			27/08/2012 11:00	01:00:00	7.9	188.3	70.1	81.1	51.5		
			27/08/2012 12:00	01:00:00	8.7	187.5	72.4	85.0	52.3		
			27/08/2012 13:00	01:00:00	8.0	184.5	70.6	84.5	51.2		
			27/08/2012 14:00	01:00:00	8.8	183.8	71.9	82.5	51.1		
			27/08/2012 15:00	01:00:00	8.3	183.3	71.5	82.5	51.0		
			27/08/2012 16:00	01:00:00	7.1	198.3	66.9	82.1	51.1		
			27/08/2012 17:00	01:00:00	6.8	197.5	64.2	77.8	50.4		
			RN1	27/08/2012 12:00	01:00:00	4.9	208.5	54.2	68.1	45.1	
* Wind speeds in excess of 7 m/s negatively impact noise readings											
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											
	AN1		AN2		AN3		GN1		RN1		
	GN2										

Day Time Noise Monitoring / Max Hourly or above 60dB L _{aeq} Record Sheet											
Determinant Results											
Location	Air Temp. (Min)	Air Temp. (Max)	Start Date and Time	Duration	Wind		Results dB				
					Speed (m/s)*	Direction (Degrees)	L _{Aeq}	L _{Amax}	L _{Amin}		
Action Limit							60.0				
Target Limit							65.0				
AN1	11.6	17.9	28/08/2012 07:00	01:00:00	3.9	239.5	62.7	79.8	43.1		
			28/08/2012 08:00	01:00:00	3.8	234.8	64.2	84.0	52.2		
			28/08/2012 09:00	01:00:00	4.8	237.8	65.1	81.8	53.7		
			28/08/2012 10:00	01:00:00	4.8	195.8	64.2	82.5	51.5		
			28/08/2012 11:00	01:00:00	5.0	210.8	67.4	86.3	51.9		
			28/08/2012 12:00	01:00:00	5.4	211.8	69.7	89.8	54.1		
			28/08/2012 13:00	01:00:00	3.6	216.8	67.3	80.9	54.0		
			28/08/2012 14:00	01:00:00	3.5	205.5	66.7	86.0	50.9		
			28/08/2012 15:00	01:00:00	4.6	198.0	67.5	80.5	53.2		
			28/08/2012 16:00	01:00:00	3.7	200.8	67.7	86.1	54.0		
AN2			28/08/2012 17:00	01:00:00	2.9	170.0	66.5	86.5	52.1		
AN3			28/08/2012 13:00	01:00:00	3.6	216.8	59.1	80.1	38.3		
GN1			28/08/2012 11:00	01:00:00	5.0	210.8	48.1	67.4	33.7		
GN2			28/08/2012 11:00	01:00:00	8.1	188.0	60.7	84.0	42.6		
			28/08/2012 13:00	01:00:00	7.1	190.5	60.3	91.2	38.8		
			28/08/2012 06:00	01:00:00	6.7	193.8	64.3	79.3	53.7		
			28/08/2012 07:00	01:00:00	6.5	193.5	62.9	78.9	52.2		
			28/08/2012 08:00	01:00:00	6.3	187.3	65.2	89.2	52.5		
			28/08/2012 09:00	01:00:00	7.2	193.0	66.1	83.0	51.9		
			28/08/2012 10:00	01:00:00	7.3	184.8	68.1	87.7	51.4		
			28/08/2012 11:00	01:00:00	8.1	188.0	70.6	87.1	52.6		
			28/08/2012 12:00	01:00:00	7.1	188.3	65.8	77.3	51.8		
			28/08/2012 13:00	01:00:00	7.1	190.5	67.1	86.8	51.7		
			28/08/2012 14:00	01:00:00	6.2	186.5	65.7	88.7	50.7		
			28/08/2012 15:00	01:00:00	6.3	183.0	66.0	86.6	50.2		
			28/08/2012 16:00	01:00:00	5.5	174.0	64.2	79.4	50.4		
			28/08/2012 17:00	01:00:00	3.1	184.5	62.9	82.4	50.3		
AN1	11.2	16.8	29/08/2012 07:00	01:00:00	2.5	147.5	60.2	77.0	42.9		
			29/08/2012 10:00	01:00:00	4.1	146.5	64.9	89.2	47.9		
			29/08/2012 11:00	01:00:00	5.1	146.3	64.5	79.7	48.1		
			29/08/2012 12:00	01:00:00	3.1	117.8	62.6	77.6	46.3		
			29/08/2012 18:00	01:00:00	5.9	352.8	61.0	73.2	43.8		
AN2			29/08/2012 14:00	01:00:00	2.1	89.5	60.4	84.5	32.7		
AN3			29/08/2012 18:00	01:00:00	5.9	352.8	46.8	64.3	32.8		
GN1			29/08/2012 12:00	01:00:00	4.6	78.0	55.7	90.3	31.1		
GN2			29/08/2012 08:00	01:00:00	2.3	90.3	67.2	84.8	50.2		
			29/08/2012 11:00	01:00:00	4.7	84.0	63.8	83.2	49.5		
			29/08/2012 14:00	01:00:00	2.4	180.8	63.7	86.1	49.2		
			29/08/2012 15:00	01:00:00	3.1	337.3	63.9	82.8	52.3		
			29/08/2012 16:00	01:00:00	3.6	307.8	73.5	96.1	50.3		
RN1			29/08/2012 11:00	01:00:00	5.1	146.3	49.6	68.2	36.8		
* Wind speeds in excess of 7 m/s negatively impact noise readings											
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											
	AN1		AN2		AN3		GN1		RN1		
	GN2										

Day Time Noise Monitoring / Max Hourly or above 60dB L _{aeq} Record Sheet												
Determinant Results												
Location	Air Temp. (Min)	Air Temp. (Max)	Start Date and Time	Duration	Wind		Results dB					
					Speed (m/s)*	Direction (Degrees)	L _{Aeq}	L _{Amax}	L _{Amin}			
Action Limit							60.0					
Target Limit							65.0					
AN1	10.5	15.9	30/08/2012 11:00	01:00:00	4.9	237.0	60.7	75.0	45.1			
			30/08/2012 13:00	01:00:00	3.1	321.8	61.4	84.1	44.9			
			30/08/2012 15:00	01:00:00	4.2	320.8	62.2	82.5	46.6			
			30/08/2012 16:00	01:00:00	4.1	329.3	62.2	81.1	47.0			
			30/08/2012 17:00	01:00:00	3.5	323.5	60.8	84.5	45.3			
			AN2	30/08/2012 11:00	01:00:00	4.9	237.0	57.7	75.5	41.0		
			AN3	30/08/2012 11:00	01:00:00	4.9	237.0	54.9	70.4	29.1		
			GN1	30/08/2012 09:00	01:00:00	3.8	258.3	48.6	85.7	35.2		
			GN2	30/08/2012 08:00	01:00:00	3.9	271.3	62.8	86.7	51.0		
				30/08/2012 09:00	01:00:00	3.8	258.3	62.5	77.2	50.6		
				30/08/2012 10:00	01:00:00	4.1	252.8	63.8	85.2	50.5		
				30/08/2012 11:00	01:00:00	4.6	265.5	65.9	87.3	50.0		
				30/08/2012 12:00	01:00:00	3.1	253.5	67.7	89.3	50.2		
				30/08/2012 13:00	01:00:00	3.5	264.5	64.0	89.6	50.5		
				30/08/2012 14:00	01:00:00	3.8	263.5	64.1	86.0	51.0		
				30/08/2012 16:00	01:00:00	3.4	258.3	61.2	82.1	47.6		
			RN1	30/08/2012 07:00	01:00:00	2.8	346.5	39.7	64.0	25.9		
			AN1	11.2	17.9	31/08/2012 07:00	01:00:00	4.7	218.5	64.1	84.5	46.0
						31/08/2012 08:00	01:00:00	3.1	226.8	66.7	85.3	53.6
						31/08/2012 09:00	01:00:00	3.5	258.5	63.7	80.8	52.1
31/08/2012 10:00	01:00:00	4.0				264.3	63.1	80.2	49.4			
31/08/2012 11:00	01:00:00	2.6				256.0	66.0	89.9	50.4			
31/08/2012 12:00	01:00:00	3.4				266.0	64.1	79.4	50.0			
31/08/2012 13:00	01:00:00	3.3				242.3	67.9	84.2	53.3			
31/08/2012 14:00	01:00:00	3.6				243.3	65.4	86.2	48.4			
31/08/2012 15:00	01:00:00	2.7				260.8	66.5	84.0	53.7			
31/08/2012 16:00	01:00:00	3.2				244.3	64.8	82.4	50.8			
31/08/2012 17:00	01:00:00	4.7				248.3	60.7	79.0	46.3			
AN2	31/08/2012 09:00	01:00:00				3.5	258.5	62.9	80.7	36.8		
	31/08/2012 11:00	01:00:00				2.6	256.0	60.2	77.1	37.5		
	31/08/2012 13:00	01:00:00				3.3	242.3	61.2	81.7	37.2		
	31/08/2012 15:00	01:00:00				2.7	260.8	61.6	78.0	39.5		
	31/08/2012 17:00	01:00:00				4.7	248.3	60.1	77.6	35.9		
AN3	31/08/2012 10:00	01:00:00				4.0	264.3	51.4	68.9	36.1		
GN1	31/08/2012 15:00	01:00:00				6.3	199.8	58.3	77.1	41.6		
GN2	31/08/2012 07:00	01:00:00				6.4	164.0	66.1	79.8	45.7		
	31/08/2012 08:00	01:00:00				6.3	184.0	67.1	81.4	46.9		
	31/08/2012 09:00	01:00:00				5.9	207.8	72.1	88.0	49.5		
	31/08/2012 10:00	01:00:00				5.9	209.0	66.9	85.2	48.5		
	31/08/2012 11:00	01:00:00				6.0	201.8	64.3	76.3	50.7		
	31/08/2012 12:00	01:00:00				6.5	204.8	66.5	78.4	50.9		
	31/08/2012 13:00	01:00:00				6.2	202.8	70.9	92.7	51.2		
	31/08/2012 14:00	01:00:00				6.5	203.3	68.1	90.3	51.2		
	31/08/2012 15:00	01:00:00				6.3	199.8	69.0	92.5	51.8		
	31/08/2012 16:00	01:00:00				6.9	192.8	67.9	94.1	50.4		
	31/08/2012 17:00	01:00:00				6.8	191.3	62.6	80.9	50.2		
	31/08/2012 18:00	01:00:00				6.7	196.0	62.4	75.8	50.1		
	31/08/2012 19:00	01:00:00	6.4	192.3	60.5	73.4	49.8					
	RN1	31/08/2012 07:00	01:00:00	4.7	218.5	49.9	64.0	42.6				
* Wind speeds in excess of 7 m/s negatively impact noise readings												
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												
	AN1		AN2		AN3		GN1		RN1			
	GN2											

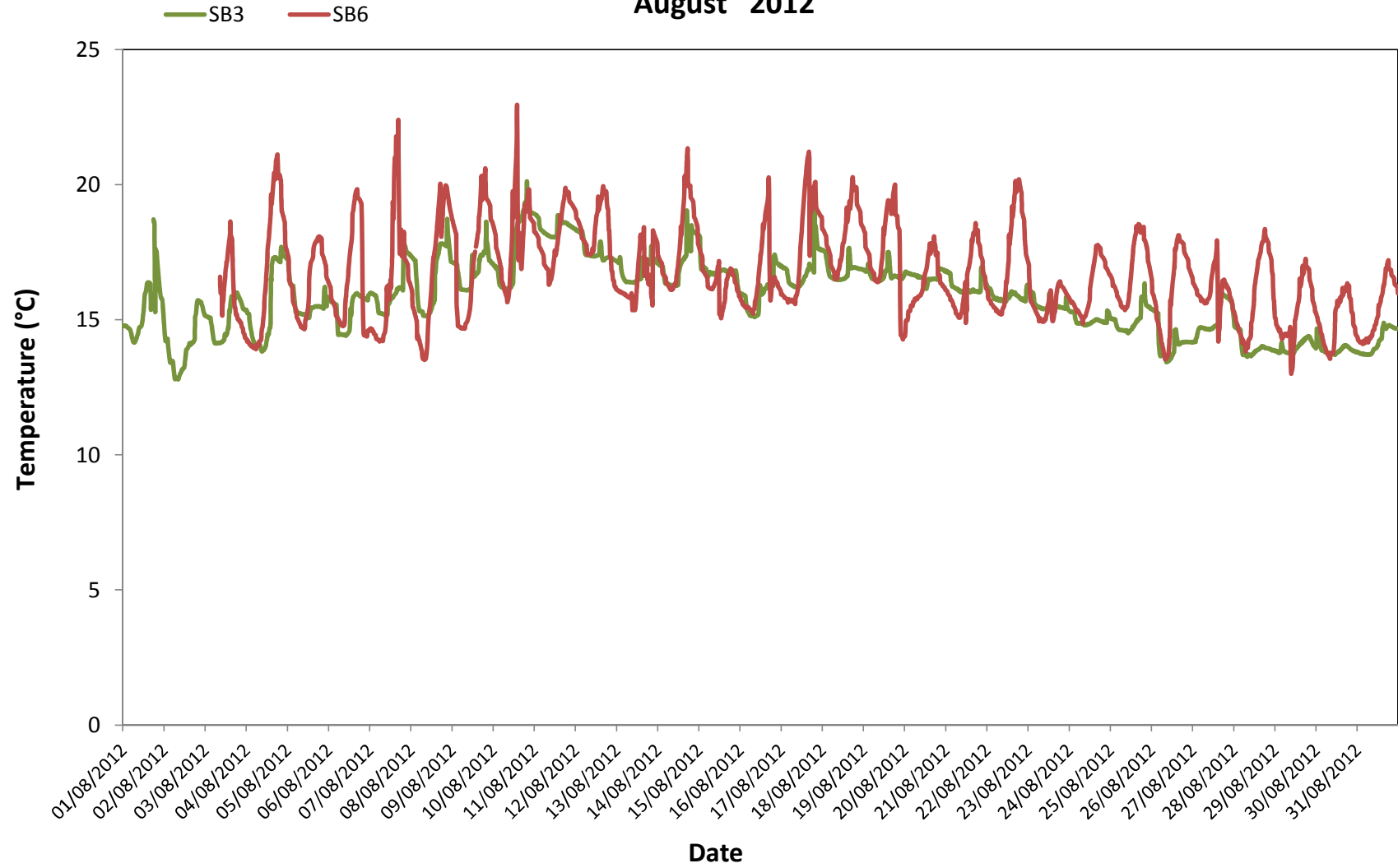
TSS - Surface Water Discharge

August 2012



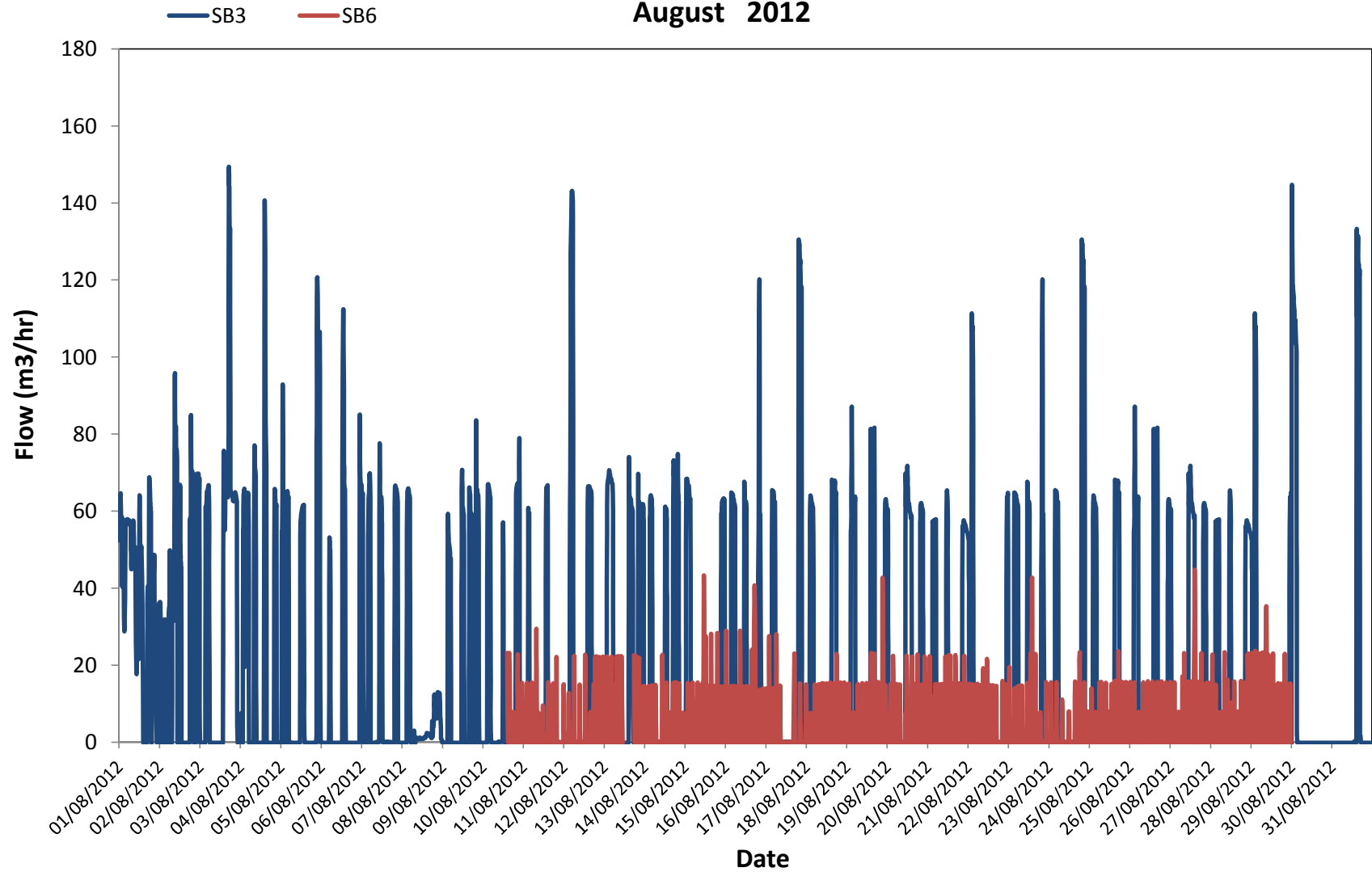
Temperature - Surface Water Discharge

August 2012



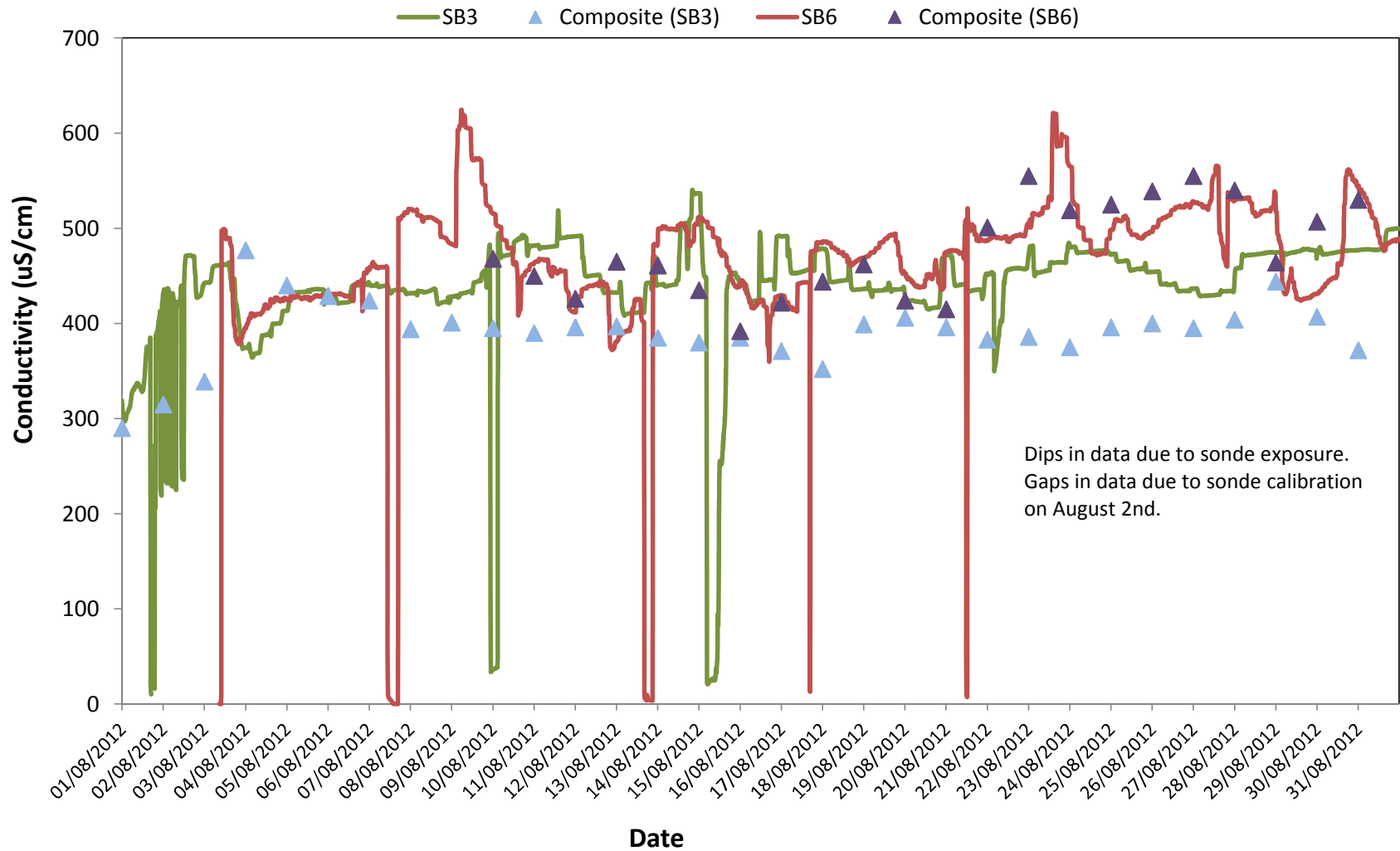
Flow - Surface Water Discharge

August 2012

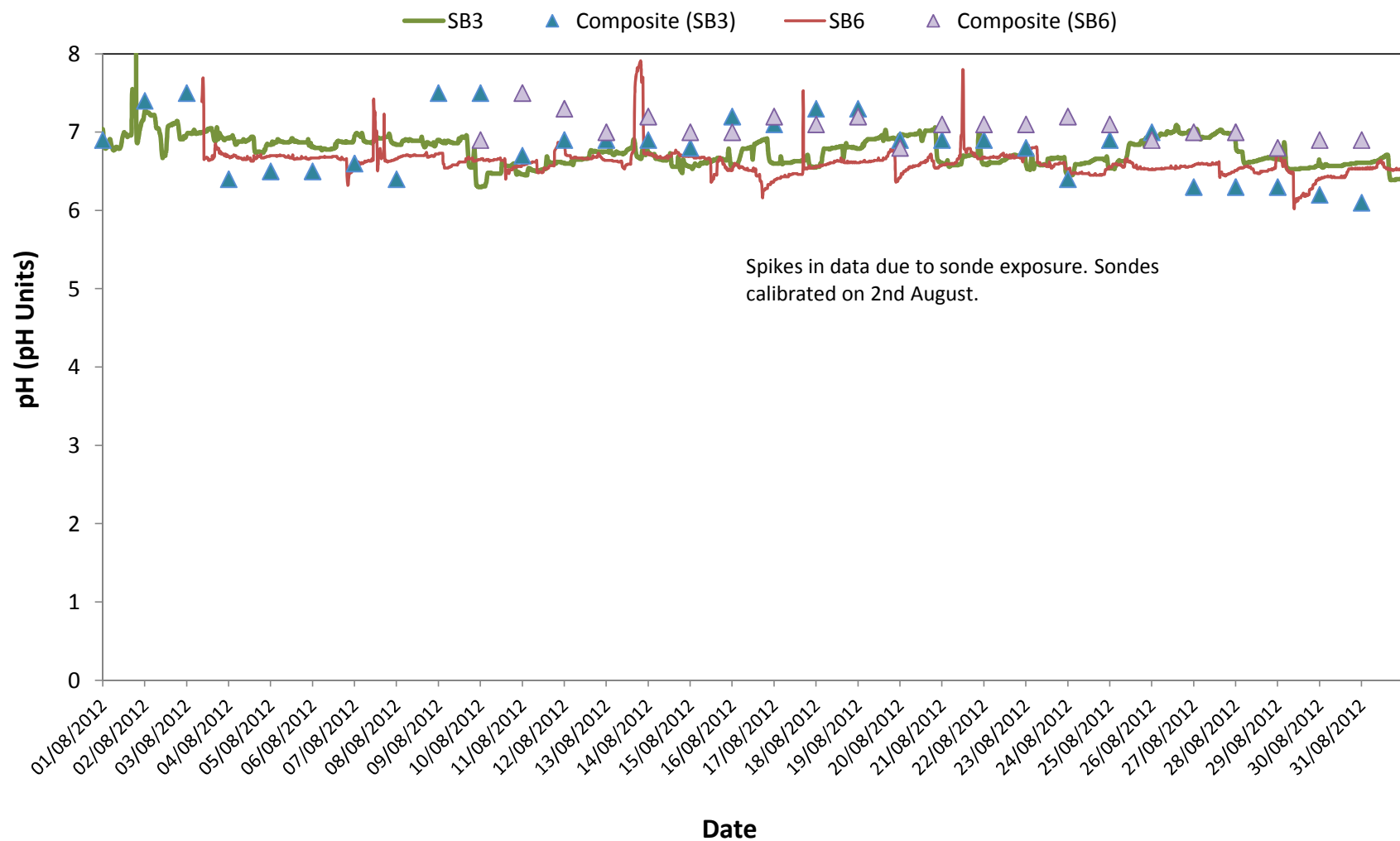


Conductivity - Surface Water Discharge

August 2012

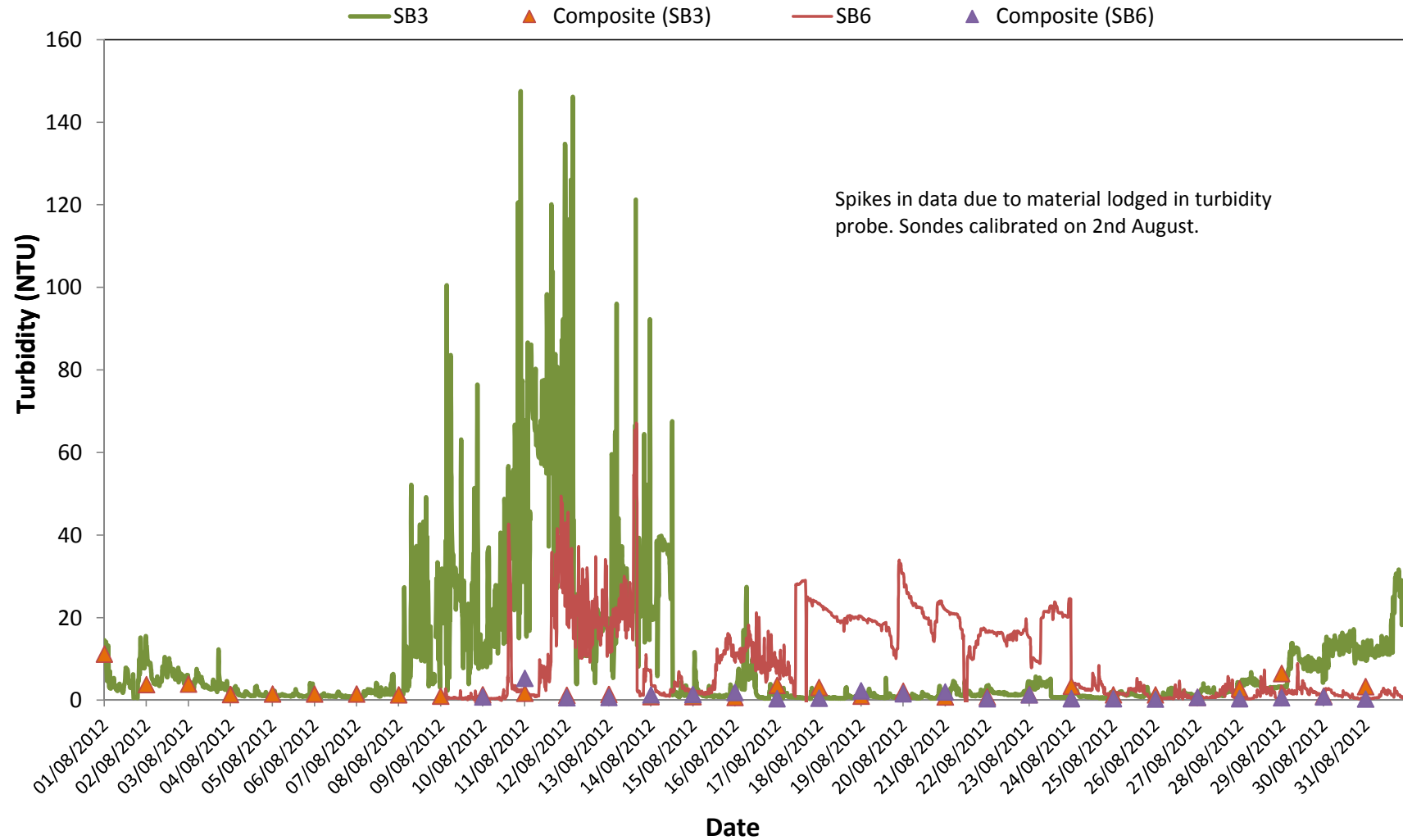


pH - Surface Water Discharge August 2012

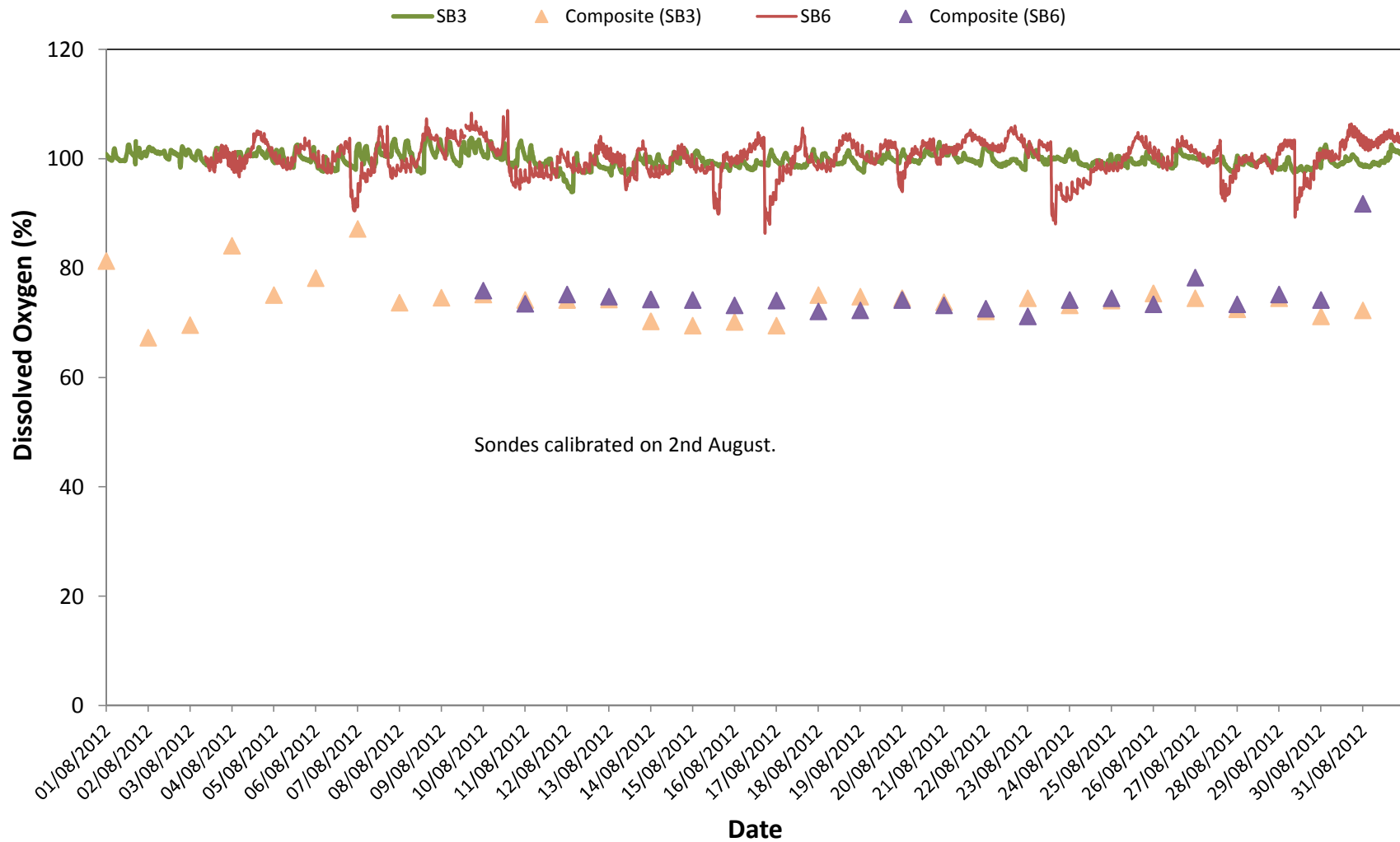


Turbidity - Surface Water Discharge

August 2012



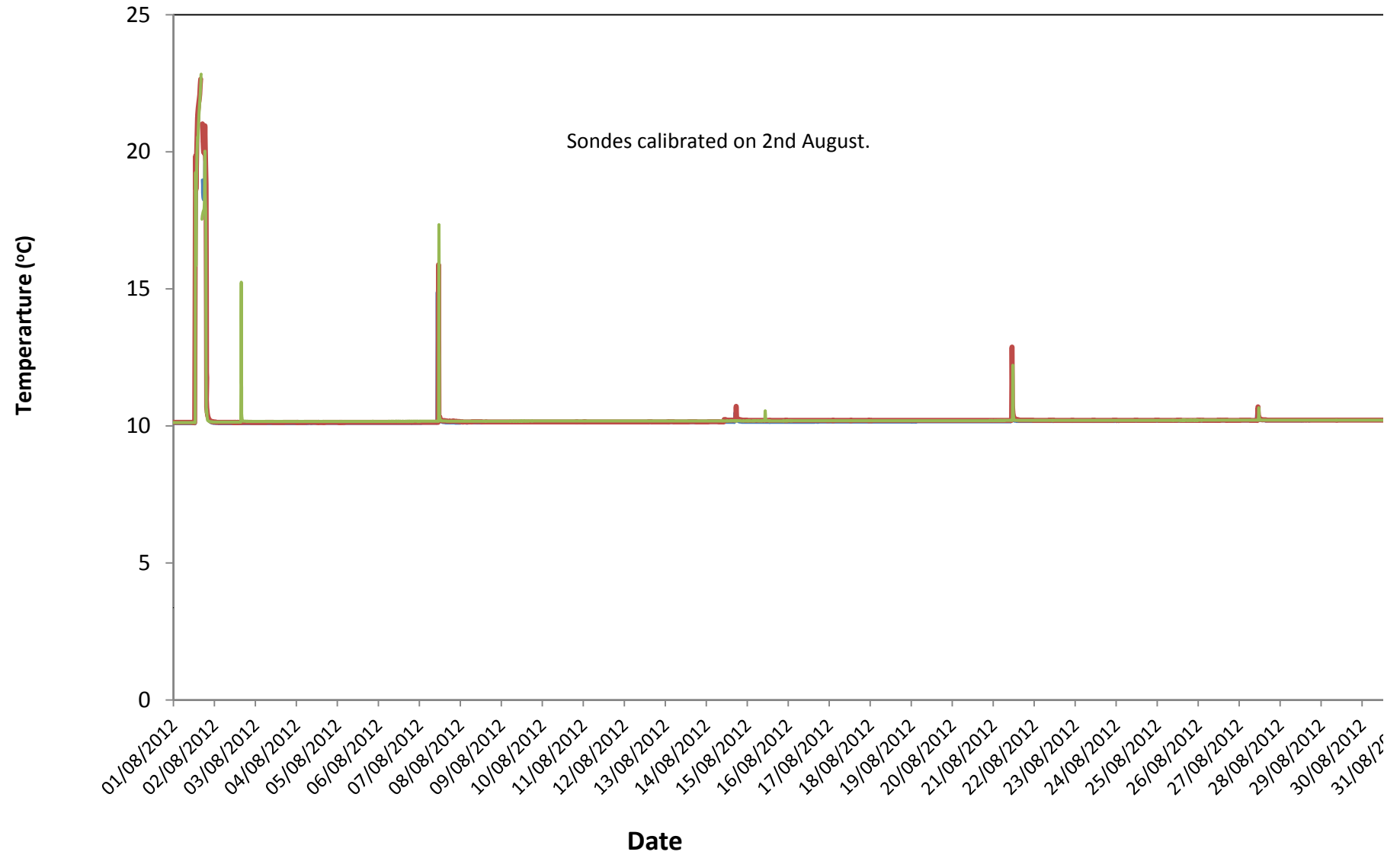
Dissolved Oxygen - Surface Water Discharge August 2012



Temperature - Groundwater

August 2012

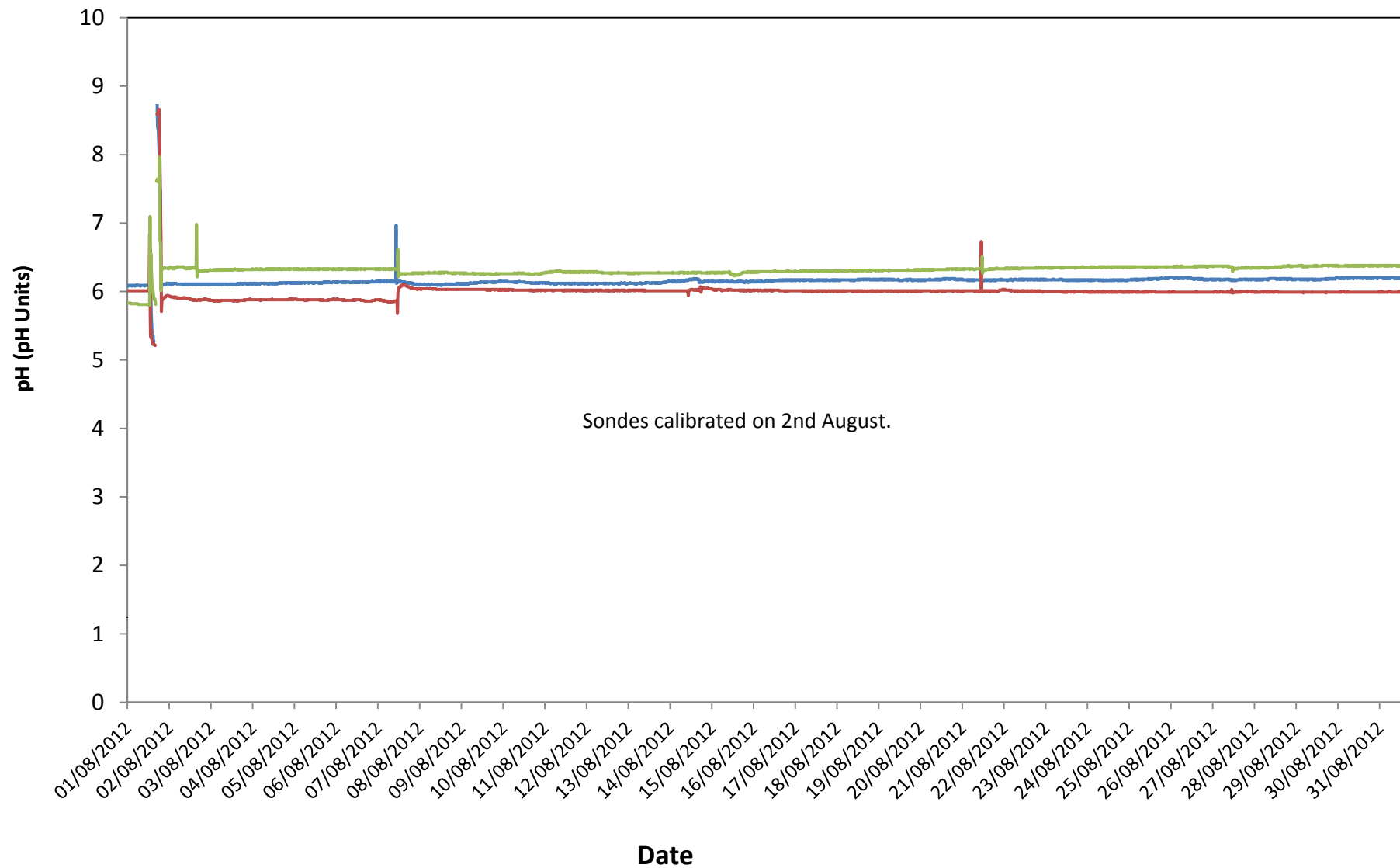
GW1 GW3 GW4



pH - Groundwater

August 2012

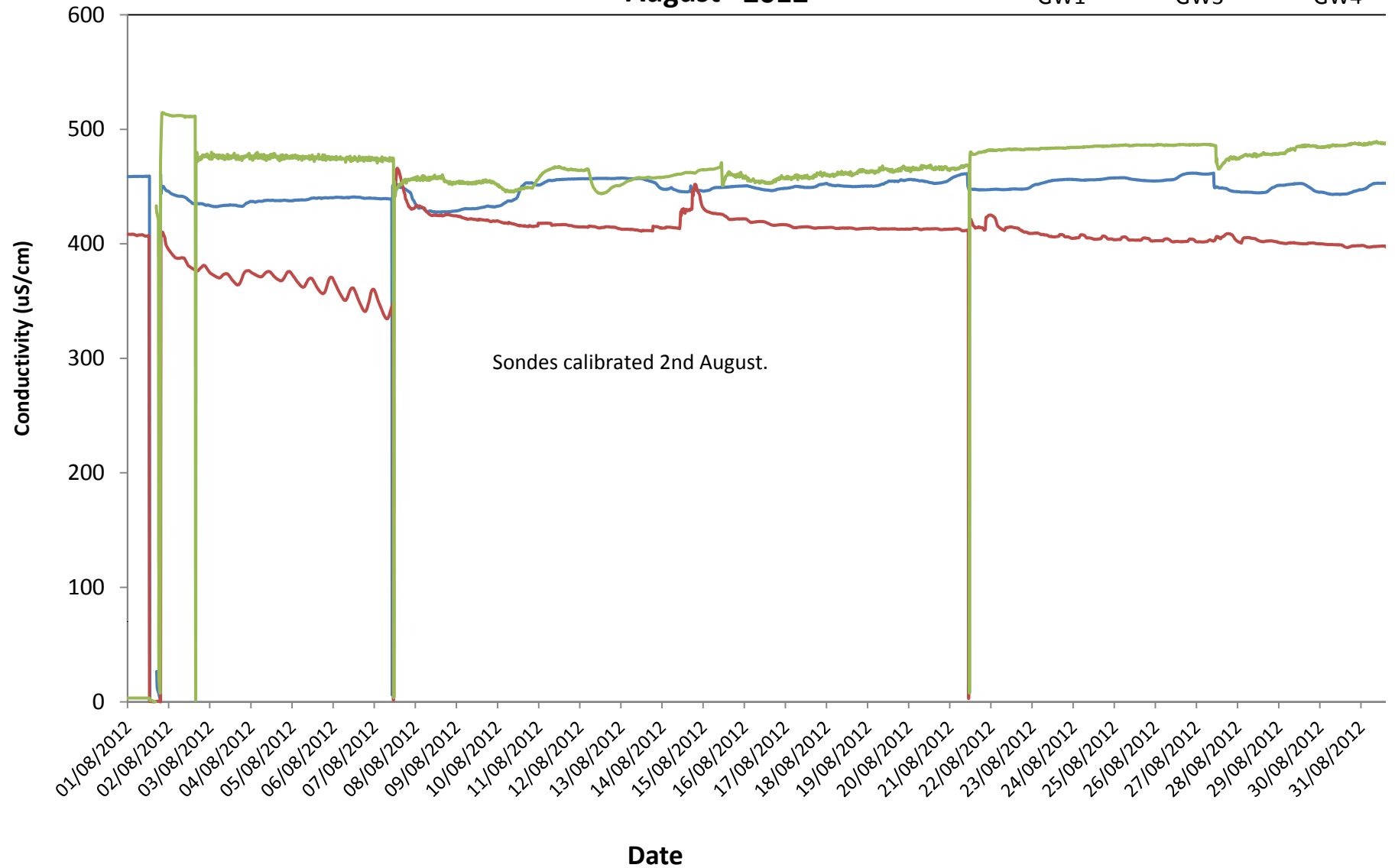
GW1 GW3 GW4



Conductivity - Groundwater

August 2012

— GW1 — GW3 — GW4



Appendix 1

Appendix 1: Surface Water Monitoring Record Sheet- Onsite Monitoring						
	Date	Temp	DO	Cond.	Turbidity	pH
		oC	% Sat	µS/cm	NTU	pH units
DL2 - Grab samples						
DL2	01/08/2012	22.0	99.3	342	6.0	6.5
DL2	02/08/2012	14.4	55.8	459	5.0	7.1
DL2	03/08/2012	21.2	96.5	466	2.0	6.6
DL2	06/08/2012	Bank Holiday				
DL2	07/08/2012	16.5	96.3	474	3.0	6.8
DL2	08/08/2012	18.4	98.4	458	2.6	6.7
DL2	09/08/2012	16.6	57.3	470	2.9	6.8
DL2	10/08/2012	16.7	62.9	520	2.2	6.7
DL2	13/08/2012	17.0	65.6	459	3.0	6.8
DL2	14/08/2012	16.6	65.5	465	4.0	6.6
DL2	15/08/2012	16.9	67.0	513	2.6	6.5
DL2	16/08/2012	17.0	89.7	415	2.8	7.1
DL2	17/08/2012	16.3	96.3	472	2.9	6.9
DL2	20/08/2012	16.7	92.7	453	4.7	7.5
DL2	21/08/2012	16.2	76.3	457	3.0	7.6
DL2	22/08/2012	15.8	69.0	456	6.7	7.1
DL2	23/08/2012	15.8	74.3	490	4.2	6.9
DL2	24/08/2012	15.4	70.3	460	2.5	6.8
DL2	27/08/2012	15.3	80.2	461	2.0	7.1
DL2	28/08/2012	14.4	80.0	475	2.8	7.0
DL2	29/08/2012	14.1	72.5	330	3.6	6.6
DL2	30/08/2012	14.1	76.3	483	3.3	7.4
DL2	31/08/2012	14.2	72.3	484	5.1	7.6
DL6 (SB6 post) - Grab samples						
DL6	01/08/2012	21.6	100.9	460	8.0	6.5
DL6	02/08/2012	20.1	104.4	517	20.0	7.0
DL6	03/08/2012	19.3	99.9	543	2.0	6.3
DL6	06/08/2012	Bank Holiday				
DL6	07/08/2012	18.9	102.8	554	2.0	6.8
DL6	08/08/2012	17.3	97.3	577	3.2	6.7
DL6	09/08/2012	21.6	98.4	688	4.4	6.3
DL6	10/08/2012	20.5	96.3	613	4.8	6.6
DL6	13/08/2012	20.9	101.3	507	2.0	6.5
DL6	14/08/2012			552	5.0	6.4
DL6	15/08/2012	20.8	96.7	551	3.4	6.6
DL6	16/08/2012	22.9	97.2	485	25.8	6.5
DL6	17/08/2012	21.1	96.0	485	10.9	6.6
DL6	20/08/2012	19.3	95.1	516	4.7	6.4
DL6	21/08/2012	18.8	94.1	520	5.0	7.0
DL6	22/08/2012	18.6	92.9	505	6.0	6.9
DL6	23/08/2012	20.7	98.5	630	13.6	6.8
DL6	24/08/2012	20.5	97.8	521	6.5	6.7
DL6	27/08/2012	18.6	98.7	574	1.0	7.0
DL6	28/08/2012	22.8	96.8	553	5.0	6.2
DL6	29/08/2012	22.3	99.8	487	8.0	6.2
DL6	30/08/2012	21.1	97.5	502	3.0	7.0
DL6	31/08/2012	18.5	92.2	572	5.6	6.8
Sruwaddaon Bay						
Sbay 1	21/08/2012	22.2	98.2	>LOD	3.00	7.42
Sbay 3	21/08/2012	21.9	96.3	>LOD	4.00	7.79
Sbay 4	21/08/2012	21.9	95.7	>LOD	3.00	7.88
Sbay 6	21/08/2012	21.7	96.9	>LOD	3.00	7.93
	= Indicative Only					
I.P.	= In Progress					
< LOD	= Below Limit of Detection					
> LOD	= Above Limit of Detection					

Appendix 2

1 MONITORING PERIOD

This report is in respect of ecological monitoring activities undertaken during August 2012. These included:

- Site inspections at the Aughooose and Glengad construction compounds;
- Site inspections of the pipeline route to the north and south of RDX1;
- Visual inspection of the “190m” at Aughooose
- Ongoing weekly bird monitoring of the Sruwaddacon Bay area and Sand Martin colonies.
- Terrestrial bird monitoring of the onshore pipeline area in general;
- Ongoing checks at known faunal burrows at Glengad;

2 AUGHOOOSE SITE INSPECTIONS

A walkover inspection of the Aughooose compound was undertaken by the Project Ecologist in the company of SEPIL’s Environmental Advisor on 22nd August. The ongoing implementation and effectiveness of ecological mitigation was examined and discussed with the Environmental Advisor. The following were included in the visit:

- A check on the condition of the stored surface vegetation layer in the peat storage areas.
- An examination of the condition of remaining surface vegetation and turving in the pipe stringing area. The areas suitable for turving were discussed with SEPIL’s Environmental Advisor and Engineer on site.
- Avian and non-avian mitigation measures, including: fencing, screening and wildlife proofing on the inside of the perimeter security fence, settlement ponds and silt traps covers. The swale and tank covers were discussed.

Inspections of the exterior of the perimeter fence in respect of faunal (avian and non-avian) mitigation measures were undertaken during the weekly bird survey visits.

2.1 Peat storage areas - vegetation layer

The vegetation layer on top of the peat storage areas were found to be generally in good condition, with good growth of typical blanket bog species such as Black bog-rush (*Schoenus nigricans*), Purple Moor-grass (*Molinia caerulea*), Cross-leaved Heath (*Erica tetralix*), Deer-sedge (*Trichophorum cespitosum*) and White Beak-sedge (*Rhynchospora alba*) etc., also a notable occurrence of Bog Myrtle (*Myrica gale*) in places.

Recording of quadrats on the stored turves is expected to be undertaken in September.

3 GLENGAD SITE INSPECTIONS

A detailed walkover and inspection of the temporary working area (TWA) at Glengad and the exterior of the fence at SC1 was undertaken by the Project Ecologist in the company of SEPIL's Environmental Advisor on 22nd August. The site inspection included:

- A check on the condition of the soil stock piles, and discussion and advice with regard to the timing of removal of the remaining mesh covers;
- Check that faunal (avian and non-avian) mitigation measures were being correctly implemented; identify any additional measures that might be required.
- Stored stock pile of earthen (sod) bank boundary material - the protection of which was discussed with site personnel;
- A general inspection of the SAC grassland habitat adjacent to the fenceline on the northern side of the TWA was undertaken;
- Inspection of the gully burrows.

Additional site inspections and checks were undertaken on behalf of the project ecologist by her associate specialists in tandem with weekly bird surveys, as follows:

- Check on the exterior of the compound fencing – faunal mitigation;
- Observations of faunal, tracks and signs;
- Weekly check on known mammal burrows at Glengad;
- Regular check that mammal gates are kept open.

3.1 SAC Habitats at Glengad

There appeared to be an increase in rank vegetation including thistles (*Cirsium* spp) between the security fence and the cliff-top edge. It must be noted that this is not a result of an “edge” or shading effect caused by the security fence as the growth of thistles extended northwards, well beyond any potential zone of influence of the fence, but rather it is considered to be a result, of change in the grazing régime, and to some extent the season. As had been noted during the previous month, grazing was observed to be less intensive than had been the earlier in the year.

3.2 Mitigation - avian and non-avian fauna

The following were examined in relation to avian and mammal protection:

- Perimeter fence at SC1 internal and external;
- Settlement ponds – mammal proofing and Hexacover coverage;
- Wheel wash – mammal proofing and bird mitigation.

During the site inspection, discussions regarding required actions in relation to the above were held with Environmental Advisor and the site foreman.

4 ONSHORE PIPELINE INSPECTIONS

In addition to the walkovers carried out in connection with bird surveys, as listed below at 5.1, a walkover inspection of the pipeline wayleave route to the north and south of RDX1 was undertaken by the Project Ecologist in the company of SEPIL's Environmental Advisor on 23rd August.

- Measures in relation to non-avian fauna (mammal gates, escape ramps etc), were inspected and discussed on site, including with the site foreman.
- Re-growth on some treated *Rhododendron* stumps was noted.
- Surface water management in relation to drains and watercourses were inspected and discussed.

As previously, the '190m' was visually inspected from the western end of the bog mat road and it was noted to be in good condition, with summer growth of blanket bog vegetation at its height.

5 BIRDS

5.1 Surveys

The following bird surveys were undertaken in August:

- Bay Area (HW & LW Surveys)
 - 08/09 August 2012
 - 14/15 August 2012
 - 21/22 August 2012
 - 28/29 August 2012
- Sand Martin Surveys
 - August 9th – Colony A & B and Colony C at Rinroe surveyed
 - August 14th – Colony A & B surveyed
 - August 21st – Colony A & B surveyed
 - August 29th - Colony A & B surveyed
- Bellanaboy Surveys (Breeding Birds & surveys of Import Line)
 - August 10th 2012
 - August 17th - 19th 2012
- Bellanaboy Breeding Birds
 - August 22nd – final summer season bird survey at terminal site

5.2 Sruwaddacon Bay area – water birds and waders

The findings of the weekly low water and high water counts during August are summarised as follows:

- The August period is marked by passage migrants and the gradual return of small wading birds to Sruwaddacon Bay. A peak number of 11 Whimbrel were recorded on August 14th. Other migrants observed included a number of Swifts feeding over Glengad on August 15th.
- In early August a large flock of 120 Shag was observed feeding in Broadhaven Bay a short distance from Glengad strand. Smaller flocks have been observed feeding at this location in recent months. A major breeding site for Shag is located at Inishkeeragh Island a few kilometres west of Belmullet.
- On August 9th a small number of Black Guillemots and Kittiwakes were also observed close to shore.
- On the 29th August two small flocks of Dunlin totalling 20 individuals were present in Sruwaddacon Bay at low tide. Five Ringed Plover were also recorded feeding in the mid-bay close to Aughoose Church.
- Throughout the August surveys a small number of Redshank and Greenshank were observed and there were several records of both Godwit species.
- Black-headed Gulls are typically common in the study area in the late summer and numbers were high throughout August.

5.3 Sand Martin Monitoring

As expected, Sand Martin activity declined throughout August as the breeding season came to a close and birds began to migrate.

Colony B was inactive by August 15th but a low level of breeding activity continued at Colony A to the end of the month. Four burrows were visited by Sand Martins at Colony A on August 29th, of which two burrows contained chicks close to fledging, with young birds visible at the burrow entrances. A number of juvenile Sand Martins were on the wing, and it appeared that some birds present were already on passage.

6 NON-AVIAN FAUNA

6.1 Surveys

The next phase of faunal monitoring of the Bay area is scheduled to commence early in September 2012.

6.2 Mammal activity in vicinity of the Glengad

Inspections of the burrows at Glengad were undertaken on 9th, 14th, 21st and 29th August, during which time no activity at any of the coastal or gully burrows was noted.

This is consistent with observations in previous years and may reflect seasonal use of the burrows, with only very occasional use at certain times of the year.

6.3 Casual Observations

A Common Seal was observed feeding in the channel near the entrance to Sruwaddacon Bay on August 14th. There were no other casual mammal sightings of note during the month.

Two freshly hatched Wall Brown Butterflies were recorded on August 29th in the agricultural fields at Glengad.



Wall Brown butterfly at Glengad

Appendix 3

Corrib Onshore Pipeline
Monthly Archaeological Report

**Aughoose, Glengad, Bellagelly and Bellanaboy
townlands**

DAHG Licence Reference: 11E0214
DAHG Metal Detection Licence Reference: 11R0090

Director: James Kyle

Month Ending: 31st August 2012

COURTNEYDEERY 
Heritage Consultancy

IAC Irish Archaeological
Consultancy

1.0 General Review of Works

1.1 Works

Works commenced Monday the 25th of July 2011 at the Aughoose Compound.

Works commenced Monday the 6th of February 2012 at the Glengad Compound.

Works commenced Monday the 28th May 2012 for the pre-construction phase of the pipeline in Bellanaboy and Bellagelly townlands.

2.0 Staffing Levels

The following licenced archaeologists are present to monitor all ground breaking and excavation works:

Site Director: James Kyle,
Archaeologist: David Bayley.

3.0 Areas Investigated

3.1 Aughoose

Construction works were carried out at several areas of the Aughoose site, all of which were monitored under archaeological supervision. These works (Figure 1) comprised:

- Bulk turving of the stringing area recommenced on the 15th of August and continued throughout the month. This work took place in order to facilitate the extension of Peat Storage in Area B and to accommodate the storage of peat; bulk excavated from within the stringing area.
- The bulk excavation of peat from the stringing area commenced this month. This comprised the excavation of peat from the footprints of IR 7, IR 8 and IR 9 to a depth of 1.7m below present ground level and the subsequent backfilling of stone into the excavated areas (Plate 1).
- Bulk excavation of material from the tunnel starter pit and ramp (Plate 2) continued throughout August. This involved the removal of bulk materials to bedrock levels and was completed in a gradual phased manner to facilitate the installation of supporting struts, crossbeams and rock anchors on an on-going basis (9m below present ground level).

In addition to the above; all construction works which had any impact on the peat or the underlying residual ground substrate were monitored and nothing of archaeological significance was revealed.

3.2 Glengad

Construction works were carried out at several areas of the Glengad site; all of which were monitored under archaeological supervision. These works (Figure 2) comprised:

- The excavation of a v-ditch, within the site access way, parallel to the western perimeter fence, adjacent to the site access road. This ditch ran south upslope from the silt pond and finished at the main site access gate (0.8- 1m in depth) (Plate 3). This month these works were carried at the southern end of the access road in the vicinity (20m west) of the enclosure site (MA004-015), nothing of archaeological significance was uncovered as a result of the works.
- Bulk excavation of the new settlement pond occurred in the northwestern corner of the site. The pond measured 20m east-west x 10m north-south and was excavated to a depth of 3m (Plate 4). In addition to these works the drainage network in the immediate area was re-aligned to drain into this new pond after the old pond was decommissioned.
- The excavation of a drain, bisecting the LVI Compound area in a north-south fashion. This excavation was 0.8m wide and 1m in depth.
- Topsoil stripping of the turning circle, within the LVI compound occurred (Plate 5). The topsoil was on average 0.4m in depth and removed from an area approximately 30m east-west x 10m north-south.
- The construction works which were carried at the southern end of the access road in the vicinity of the enclosure site (MA004-015) this month did not reveal anything of archaeological significance. Archaeological monitoring has previously taken place on two separately licenced occasions in the vicinity of this site, (Frazer 2002 and Kieran 2009)¹. No archaeological features or finds were revealed.

In addition to the above; all construction works which had any impact on the underlying residual ground substrate were monitored and nothing of archaeological significance was revealed.

3.3 Pipeline wayleave

All excavation works associated with the pipeline wayleave in the forested area of Bellagelly South and Bellanaboy townlands were archaeological monitored. These works for the month of August comprised:

¹ Monitoring of topsoil removal Glengad (Licence Ref. 02E0568, W. Frazer) Margaret Gowen Ltd.
Archaeological monitoring of construction works associated with the Corrib Gas Pipeline at Broadhaven Bay (Licence Ref. 09E176 and 09E177, E. Kieran) Moore Marine.

- The bulk excavation of the last remaining narrow strip of peat between the stone road, the area for the siltbuster and the silt lagoon location at the end of the existing stone road. This area measured 20m north-south and 8m east-west, with 2.5m in depth (Plate 6).
- The sheet piling and subsequent excavation of a silt lagoon (25m x 10m), at the base of slope, close to the southern side of the stream which crosses the construction wayleave. The lagoon is located on the eastern side of the wayleave adjacent to the perimeter fenceline. The lagoon construction requires it to be securely braced before it can be fully excavated to a depth of 4.5m. Initially, this month, this involved installing bracing at present ground level and the subsequent removal of 2m of peat, installation of further bracing and then the continuation of excavation to 4.5m depth (Plate 7), this work is complete.
- The continuation of two parallel drainage v-ditches on the northern bank of the stream. These are adjacent to the fenceline on the eastern and western sides of the wayleave, and excavated to a depth of 0.7m in peat, this work is ongoing.
- At Site Compound 4 (Sc 4) on Thursday 23rd August, two small settlement ponds were excavated. These were approximately 2.5m deep and measured 4m x 4m (Plate 8).

In addition to the above; all construction works which had any impact on the underlying residual ground substrate were monitored and nothing of archaeological significance was revealed.

4.0 Projected Future Work and Staff

Archaeological monitoring, and where deemed necessary metal detection, will be undertaken during the construction phase of the project to determine the presence (if any) of below ground archaeological features or the presence of artefacts of an archaeological nature. This will be conducted by two licenced archaeologists, James Kyle and David Bayley, on a rotational basis between Aughooose, Glengad, Bellanaboy and Bellagelly townlands.

5.0 Reporting

The monthly report records the extent of works requiring archaeological monitoring and metal detection. In the event of archaeological material being revealed, archaeologists will record, photograph and map any new discovery. As part of the licensing requirement a final report will be completed upon the cessation of ground breaking and excavation works. This report will describe in detail the results of the archaeological monitoring programme and will be sent to the statutory authorities in accordance to the licensing agreement.

6.0 Location of Artefacts and Samples

To date no artefacts or samples have been retrieved from Aughooose, Glengad, Ballinaboy or Bellagelly townlands where investigations have occurred.

7.0 Information any Unforeseen Difficulties

N/A

8.0 Health and Safety Issues

Both on-site archaeologists have been inducted on site and have received the requisite conflict management training and manual handling training.

Summary

Nothing of an archaeological significance has been uncovered as a result of monitoring or metal detection of materials excavated from construction works for the Corrib on-shore pipeline project to date.



Plate 1 Aughooose: Excavation of the stringing area, facing east.



Plate 2 Aughooose: Bulk excavation of material from the tunnel ramp, facing south.



Plate 3 Glengad: Excavation of v-ditch along site access road, facing south.



Plate 4 Glengad: Bulk excavation of material from the silt lagoon, facing west.



Plate 5 Glengad: Topsoil stripping for turning circle in LVI compound, facing west.



Plate 6 Pipeline wayleave: Bulk excavation of peat, facing south.



Plate 7 Pipeline wayleave: Peat excavation from silt lagoon, facing north.



Plate 8: Pipeline wayleave: Silt pond Site compound (Sc) 4, facing west.

