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Appendix 16–B FULL DESCRIPTION OF HISTORICAL SUNWATER (2010) WATER QUALITY DATA

Table 16B-1 Summary of water quality results for SunWater monitoring program of Glebe Weir 2001-2008 – headwater site

Parameter	Units	No. of Samples	Median	Minimum	Maximum	Relevant Guideline	Start Date	Finish Date
pH	pH units	57	<b>7.8</b>	6.6	8.9	6.5-7.5	1/05/2001	1/09/2008
Conductivity	µS/cm	57	210	0	437	340	1/05/2001	1/09/2008
DO	mg/L	54	7.9	1.6	15.8	x	1/05/2001	1/09/2008
Temperature	°C	57	24.0	12.0	31.0	x	1/05/2001	1/09/2008
Total Nitrogen as N	mg/L	54	<b>1.2</b>	0.3	4.2	0.25	1/05/2001	1/09/2008
Total Phosphorus as P	mg/L	54	<b>0.32</b>	0.09	0.93	0.03	1/05/2001	1/09/2008
Turb	NTU	51	<b>425</b>	2	1400	25	1/05/2001	1/09/2008
Chl a	µg/L	10	n/a	2	24	x	1/05/2001	1/09/2008

x denotes the absence of a guideline value.

n/a denotes a data set too small to generate median values.

Median values that exceed the relevant guideline are highlighted and bolded in red.



Table 16B-2 Summary of water quality results for SunWater monitoring programs of Glebe Weir 2001-2009 – tailwater site

Parameter	Units	No. of Samples	Median	Minimum	Maximum	Relevant Guideline	Start Date	Finish Date
pH	pH units	18	<b>7.7</b>	6.9	8.2	6.5-7.5	1/12/2001	1/05/2009
Conductivity	µS/cm	18	205	77	325	340	1/12/2001	1/05/2009
DO	mg/L	15	7.8	4.9	12.8	x	1/12/2001	1/05/2009
Temperature	°C	18	25.0	11.0	27.0	x	1/12/2001	1/05/2009
TN	mg/L	17	<b>1</b>	0.50	1.70	0.25	1/12/2001	1/05/2009
TP	mg/L	17	<b>0.31</b>	0.06	0.49	0.03	1/12/2001	1/05/2009
Turbidity	NTU	15	<b>500</b>	44	1293	25	1/12/2001	1/05/2009
Chl a	µg/L	9	1	0	6	x	1/12/2001	1/05/2009

x denotes the absence of a guideline value.

n/a denotes a data set too small to generate median values.

Median values that exceed the relevant guideline are highlighted and bolded in red.



Table 16B-3 Summary of water quality results for SunWater monitoring programs of Glebe Weir 2007-2008 – inflow site

Parameter	Units	No. of Samples	Median	Minimum	Maximum	Relevant Guideline	Start Date	Finish Date
pH	pH units	8	<b>7.8</b>	7.2	8.4	6.5-7.5	1/10/2007	1/05/2008
Conductivity	µS/cm	7	<b>345</b>	111	449	340	1/10/2007	1/05/2008
DO	mg/L	6	6.2	5.0	9.2	x	1/10/2007	1/05/2008
Temperature	°C	8	24.0	15.0	26.0	x	1/10/2007	1/05/2008
TN	mg/L	6	<b>0.71</b>	0.28	1.2	0.25	1/10/2007	1/05/2008
TP	mg/L	6	<b>0.28</b>	0.08	0.39	0.03	1/10/2007	1/05/2008
Turbidity	NTU	6	<b>209</b>	38	745	25	1/10/2007	1/05/2008
Chl a	µg/L	n/a	n/a	n/a	n/a	x	1/10/2007	1/05/2008

x denotes the absence of a guideline value.

n/a denotes a data set too small to generate median values.

Median values that exceed the relevant guideline are highlighted and bolded in red.