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# Shallow pond systems planted with *Lemna minor* treating azo dyes

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## Supplementary Material 2

Inflow water quality parameters for each system between 15 December 2014 and 15 September 2015.

Parameter	Unit	Mean	Standard deviation	Minimum	Maximum	Number
<b>Acid blue 113</b>						
Dye concentration	mg/l	5.0	0.26	4.5	5.6	38
pH	-	7.3	0.11	7.1	7.5	38
Redox	mv	-25.6	6.76	-37.0	-14.0	38
Dissolved oxygen	mg/l	9.6	0.48	8.6	10.8	38
Electronic conductivity	µS/cm	115.9	4.49	108.0	125.0	38
Suspended solids	mg/l	3.6	1.06	1.0	6.0	38
Turbidity	NTU	1.4	0.40	0.3	2.1	38
Colour	Pt Co	447.9	30.13	416.0	484.0	10
Chemical oxygen demand	mg/l	25.2	0.59	24.3	26.0	8
<b>Reactive blue 198</b>						
Dye concentration	mg/l	5.1	0.39	4.5	5.8	38
pH	-	7.4	0.09	7.2	7.5	38
Redox	mv	-33.9	5.52	-39.0	-26.0	38
Dissolved oxygen	mg/l	9.3	0.09	9.0	9.4	38
Electronic conductivity	µS/cm	121.8	5.17	111.0	133.0	38
Suspended solids	mg/l	5.5	0.82	4.0	7.0	38
Turbidity	NTU	1.9	0.33	1.2	2.6	38
Colour	Pt Co	171.2	35.43	123.0	204.0	10
Chemical oxygen demand	mg/l	9.3	0.32	9.2	10.1	8
<b>Basic red 64</b>						
Dye concentration	mg/l	5.0	0.32	4.5	5.7	38
pH	-	7.3	0.07	7.2	7.4	38
Redox	mv	-27.8	3.86	-35.0	-22.0	38
Dissolved oxygen	mg/l	9.3	0.22	8.9	9.7	38
Electronic conductivity	µS/cm	115.1	5.23	104.0	126.9	38
Suspended solids	mg/l	2.9	0.58	2.0	4.0	38
Turbidity	NTU	2.4	0.30	1.9	2.8	38
Colour	Pt Co	408.3	11.79	393.0	424.0	10
Chemical oxygen demand	mg/l	13.3	0.79	12.2	14.8	8
<b>Direct orange 46</b>						
Dye concentration	mg/l	5.1	0.43	4.4	5.7	38
pH	-	7.4	0.10	7.2	7.5	38
Redox	mv	-31.9	5.32	-38.0	-25.0	38
Dissolved oxygen	mg/l	9.4	0.13	9.0	9.5	38
Electronic conductivity	µS/cm	116.0	2.53	111.0	120.0	38
Suspended solids	mg/l	3.3	0.71	2.0	4.0	38
Turbidity	NTU	1.5	0.26	1.2	1.9	38
Colour	Pt Co	676.6	35.12	626.0	722.0	10
Chemical oxygen demand	mg/l	14.4	1.02	13.8	16.7	8
<b>Tap water and fertiliser only (without dye addition)</b>						
pH	-	7.3	0.08	7.16	7.3	9
Redox	mv	-26.2	4.78	-32.0	-20.0	9
Dissolved oxygen	mg/l	9.1	0.28	8.9	9.7	9
Electronic conductivity	µS/cm	85.8	1.11	83.0	86.6	9
Suspended solids	mg/l	1.8	1.66	0.0	3.0	9
Turbidity	NTU	3.5	0.55	2.9	4.1	9
Colour	Pt Co	3.0	0.67	2.0	4.0	9
Chemical oxygen demand	mg/l	4.2	0.27	3.6	4.4	8

NTU; nephelometric turbidity unit