

Appendix C

Water Quality

Table D.1: River Lee: Kings Weir to Tottenham Lock

	Average 1995	Average 2000	Average 2001	Average 2002	Trend	2002 Description
Biochemical Oxygen Demand (mg/l)	1.52	1.43	1.54	1.63	Generally Constant	Good
Ammonia (mgN/l)	0.06	0.08	0.09	0.09	Constant	Very Good
Dissolved Oxygen (Percentage Saturation)	133.73	122.44	126.09	125.35	Constant	Very Good
Nitrates (mg/l)	33.01	34.27	32.82	33.43	Constant	High
Phosphates (mg/l)	1.44	1.76	1.28	1.2	Generally Decreasing	Excessively High

Source: Environment Agency – What is in my backyard? website

Table D.2: Pymmes Brook (Right Chanel): Salmon Brook to Lee

	Average 1995	Average 2000	Average 2001	Average 2002	Trend	2002 Description
Bio-chemical Oxygen Demand (mg/l)	2.95	2.86	3.22	3.55	Generally Increasing	Fairly Good
Ammonia (mgN/l)	0.24	.043	0.73	0.88	Increasing	Fair
Dissolved Oxygen (Percentage Saturation)	74.57	72.28	71.64	66.64	Decreasing	Poor
Nitrates (mg/l)	53.41	52.77	47.5	42.48	Decreasing	Very High
Phosphates (mg/l)	3.16	3.88	3.49	2.94	Decreasing	Excessively High

Source: Environment Agency – What is in my backyard? website

Table D.3: Pymmes Brook (Left Chanel): Salmon Brook to Lee

	Average 1995	Average 2000	Average 2001	Average 2002	Trend	2002 Description
Bio-chemical Oxygen Demand (mg/l)	2.2	2.73	3.33	3.74	Increasing	Fairly Good
Ammonia (mgN/l)	0.22	0.48	0.94	1.14	Increasing	Fair
Dissolved Oxygen (Percentage Saturation)	77.21	71.87	70.27	63.67	Decreasing	Poor
Nitrates (mg/l)	66.06	62.01	56.72	50.95	Decreasing	Very High
Phosphates (mg/l)	4.27	4.69	4.37	3.75	Decreasing	Excessively High

Source: Environment Agency – What is in my backyard? website

Table D.4: Lee (Navigation): King's Weir to Tottenham Lock Separate

	Average 1995	Average 2000	Average 2001	Average 2002	Trend	2002 Description
Bio-chemical Oxygen Demand (mg/l)	1.87	2.37	2.21	2.24	Generally Constant	Fairly Good
Ammonia (mgN/l)	0.13	0.13	0.15	0.15	Constant	Good
Dissolved Oxygen (Percentage Saturation)	95	93.84	97.35	91.08	Generally Constant	Fairly Good
Nitrates (mg/l)	22.77	22.99	21.13	21.77	Constant	Moderate
Phosphates (mg/l)	0.58	0.65	0.62	0.54	Generally Decreasing	Excessively High

Source: Environment Agency – What is in my backyard