

Water Quality 2001/2002

Bourne Stream WQS 2001/2002
Laboratory's emphasis

			mg/l as N	mg/l	mg/l	No/100ml	No/100ml	mg/l as N	mg/l as N	pH Units	mg/l as P	mg/l	No/100ml	mg/l as N
29-Nov-01			Ammonia	BOD	Chloride	Faecal Coliforms	Enterococci (species)	Nitrate	Nitrite	pH	Phosphate (Ortho)	(Suspended at 105°C)	Total Coliforms	Total Nitrogen (Total Oxidised)
Site 1	00:00	Lower Gardens	0.0300	6.70	36.0	7100	>150	1.90	0.0400	7.40	0.0800	45.0	>15000	2.00
Site 2	00:00	Town Gardens	0.130	5.50	37.0	4700	>150	2.40	0.0400	7.20	0.0700	41.0	>15000	2.40
Site 3	00:00	Branksome Weir	0.800	9.90	26.0	8300	>150	1.10	0.0500	7.40	0.120	146	>15000	1.10
Site 4	00:00	U/S Coy Pond outlet	0.600	9.20	19.0	8500	>1500	0.560	0.0500	7.40	0.130	92.0	>15000	0.610
Site 5	00:00	Coy Pond outlet	<0.03	2.00	37.0	2500	>150	3.50	0.0100	7.60	<0.03	6.00	13000	3.50
Site 6	00:00	Coy Pond inlet	<0.03	3.70	37.0	5200	>150	2.60	0.0200	7.50	<0.03	8.00	>15000	2.60
Site 7	00:00	Talbot Heath	<0.03	1.70	35.0	970	>150	3.20	0.0100	7.60	<0.03	6.00	>1500	3.20
Site 8	00:00	Alder Road	<0.03	1.70	38.0	840	>150	4.10	0.0100	7.60	<0.03	4.00	>1500	4.10
Site 9	00:00	U/S Alder Road pond	<0.03	2.30	35.0	>1500	>150	2.60	0.0200	7.50	<0.03	4.00	>1500	2.60
Site 10	00:00	D/S SUD	0.0900	5.60	82.0	3900	>150	3.60	0.0800	7.80	0.160	77.0	7400	3.70
Site 11	00:00	U/S SUD	0.220	7.90	37.0	7700	>1500	2.60	0.0800	7.80	0.250	103	>15000	2.70

Lab comments: Estimated T.coliforms = coliforms too numerous to count. Estimated F.Strep pr = too numerous to count (+ high solid)

31-Jan-02			Ammonia	BOD	Chloride	Faecal Coliforms	Enterococci (species)	Nitrate	Nitrite	pH	Phosphate (Ortho)	Solids (Suspended at 105°C)	Total Coliforms	Nitrogen (Total Oxidised)
Site 1	09:15	Lower Gardens	0.135	1.70	36.8	580	79.0	3.02	0.0190	7.40	<0.03	11.5	3300	3.04
Site 2	09:35	Central Gardens	0.160	1.90	36.2	360	53.0	2.99	0.0190	7.23	<0.03	5.50	1100	3.01
Site 3	09:50	Branksome Road Weir	0.192	2.00	33.2	940	1700	3.49	0.0230	7.35	<0.03	6.50	3100	3.51
Site 4	10:00	Coy Pond inlet	<0.03	1.70	37.3	520	750	2.99	0.0200	7.49	<0.03	6.50	990	3.01
Site 5	10:10	Coy Pond outlet	0.0330	1.80	33.9	1200	3000	2.73	0.0230	7.49	<0.03	4.50	4600	2.76
Site 6	10:20	U/S Coy Pond outlet	0.318	2.00	32.3	940	400	4.26	0.0240	7.24	<0.03	9.50	8700	4.29
Site 7	10:30	Talbot Heath	<0.03	2.10	38.5	380	440	3.02	0.0220	7.56	<0.03	6.50	750	3.04
Site 8	10:45	D/S Alder Road pond	<0.03	1.70	35.7	350	140	3.33	0.0270	7.55	<0.03	5.50	1000	3.35
Site 9	11:10	U/S Alder Road pond	<0.03	1.70	28.3	190	150	3.37	0.0280	7.53	<0.03	4.00	580	3.40
Site 10	11:30	D/S SUD	0.0480	2.00	65.9	60.0	42.0	4.51	0.0820	7.73	<0.03	7.50	630	4.59
Site 11	11:40	U/S SUD	0.0590	2.20	31.0	120	50.0	4.76	0.0710	7.76	0.0730	6.00	1100	4.83

08-Jul-02			Ammonium	BOD	Chloride	Faecal Coliforms	Enterococci (species)	Nitrate	Nitrite	pH	Phosphate (Ortho)	Solids (Suspended at 105°C)	Total Coliforms	Nitrogen (Total Oxidised)
Site 1	09:05	Central Gardens	<0.04	2.19	17.80	13000	>150	6.202	0.089	7.33	n/a	12.0	>15000	n/a
Site 2	09:25	Branksome Road Weir	0.71	2.23	20.10	>15000	>150	7.930	0.075	7.73	n/a	18.0	>15000	n/a
Site 3	09:35	Coy Pond inlet	<0.04	<2.00	27.40	3900	>150	10.278	0.056	7.77	n/a	4.0	11000	n/a
Site 4	09:55	Coy Pond outlet	<0.04	1.44	31.80	4900	>150	10.588	0.056	7.75	n/a	5.0	>15000	n/a
Site 5	10:05	U/S Coy Pond outlet	<0.04	1.82	14.70	9100	>150	7.354	0.062	7.32	n/a	6.0	>15000	n/a
Site 6	10:25	Talbot Heath	<0.04	2.21	21.00	4900	>150	7.575	0.069	7.66	n/a	3.0	13000	n/a
Site 7	11:10	D/S Alder Road pond	<0.04	<1.50	31.40	3100	>150	9.968	0.075	7.64	n/a	5.0	8700	n/a
Site 8	11:20	U/S Alder Road pond	<0.04	<1.50	28.70	4900	>150	9.214	0.052	7.73	n/a	4.0	11000	n/a
Site 9	11:35	D/S SUD	0.13	1.85	33.70	3300	>150	11.562	0.298	7.70	n/a	8.0	9200	n/a
Site 10	11:55	U/S SUD	0.26	<3.00	23.90	4800	1200	16.701	0.482	7.93	n/a	24.0	11000	n/a
Site 11	10:35	Monkton Crescent	<0.04	1.58	14.30	6900	>150	5.848	0.072	7.35	n/a	6.0	>15000	n/a
Site 12	12:10	Berkeley Avenue Trib 1	<0.04	1.64	21.40	7300	>150	7.841	0.059	7.16	n/a	4.0	12000	n/a
Site 13	12:25	Berkeley Avenue Trib 2	0.07	2.24	15.50	5400	>150	10.233	0.079	7.43	n/a	5.0	13000	n/a

mg/l as NH4 mg/l mg/l No/100ml No/100ml mg/l as NO3 mg/l as NO2 pH Units mg/l as P mg/l No/100ml mg/l as N

Water Quality 2001/2002

n/a = not analysed	20-Aug-02	Ammonium	BOD	Chloride	Faecal Coliforms	Enterococci (species)	Nitrate	Nitrite	pH	Phosphate (Ortho)	Solids (Suspended at 105°C)	Total Coliforms	Nitrogen (Total Oxidised)
Site 1	00:00 Central Gardens	<0.04	<1.00	36.50	2000	230	10.632	<0.013	7.05	n/a	5.0	5600	n/a
Site 2	00:00 Branksome Road Weir	<0.04	<1.00	34.30	2000	540	12.626	0.016	7.37	n/a	3.0	20000	n/a
Site 3	00:00 Coy Pond inlet	<0.04	<1.00	32.40	1500	260	12.005	<0.013	7.65	n/a	5.0	13000	n/a
Site 4	00:00 Coy Pond outlet	<0.04	1.20	38.60	1900	600	9.214	<0.013	7.48	n/a	7.0	5600	n/a
Site 5	00:00 U/S Coy Pond	0.09	<1.00	28.50	1300	170	17.587	0.020	6.95	n/a	3.0	8500	n/a
Site 6	00:00 Talbot Heath	0.06	<1.00	33.40	1600	260	16.967	0.036	7.6	n/a	<1.0	8000	n/a
Site 7	00:00 D/S Alder Road pond	<0.04	1.00	29.20	900	340	13.733	0.131	7.78	n/a	1.0	5200	n/a
Site 8	00:00 U/S Alder Road pond	<0.04	<1.00	28.30	1200	360	14.265	0.115	7.80	n/a	2.0	4300	n/a
Site 9	00:00 D/S SUD	<0.04	<1.00	34.10	1500	120	18.074	0.754	7.77	n/a	6.0	17000	n/a
Site 10	00:00 U/S SUD	0.21	1.30	30.90	13000	310	18.960	1.227	7.83	n/a	<1.0	110000	n/a
Site 11	00:00 Monkton Crescent	<0.04	<1.00	25.60	2100	1200	11.784	0.095	7.33	n/a	2.0	4600	n/a
Site 12	00:00 Berkeley Avenue Trib 1	0.07	<1.00	32.30	1100	610	14.796	0.013	6.69	n/a	16.0	7800	n/a
Site 13	00:00 Berkley Avenue Trib 2	<0.04	<1.00	26.00	1100	280	28.263	0.052	7.26	n/a	<1.0	12000	n/a

Also sampled	20-Aug-02	Mercury	Arsenic Total	Cadmium	Chromium	Copper Total	Iron Total	Lead Total	Nickel	Zinc Total	GCMS Scan Qualitative-Clean Samples
Site 1	00:00 Central Gardens	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Site 2	00:00 Branksome Road Weir	0.018	<0.80	<3.0	<5.0	<4.0	720	<5.0	<6.0	23.0	no significant peaks found
Site 3	00:00 Coy Pond inlet	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Site 4	00:00 Coy Pond outlet	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Site 5	00:00 U/S Coy Pond	0.014	<0.80	<3.0	<5.0	<4.0	820	<5.0	6.0	32.0	no significant peaks found
Site 6	00:00 Talbot Heath	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Site 7	00:00 D/S Alder Road pond	0.012	<0.80	<3.0	<5.0	<4.0	540	<5.0	<6.0	10.0	no significant peaks found
Site 8	00:00 U/S Alder Road pond	0.017	<0.80	<3.0	<5.0	<4.0	320	<5.0	<6.0	12.0	no significant peaks found
Site 9	00:00 D/S SUD	0.029	<0.80	<3.0	6.0	10.0	370	8.0	7.0	19.0	no significant peaks found
Site 10	00:00 U/S SUD	0.013	<0.80	<3.0	<5.0	6.0	140	<5.0	<6.0	14.0	one significant peak found
Site 11	00:00 Monkton Crescent	0.009	<0.80	<3.0	<5.0	<4.0	430	<5.0	<6.0	31.0	two peaks of approx 1 ug/l
Site 12	00:00 Berkeley Avenue Trib 1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Site 13	00:00 Berkley Avenue Trib 2	0.017	<0.80	<3.0	<5.0	<4.0	240	<5.0	<6.0	24.0	no significant peaks found

n/a = not analysed	18-Sep-02	Ammonium	BOD	Chloride	Faecal Coliforms	Enterococci (species)	Nitrate	Nitrite	pH	Phosphate (Ortho)	Solids (Suspended at 105°C)	Total Coliforms	Nitrogen (Total Oxidised)
Site 1	10:30 Central Gardens	0.93	<1.00	36.70	800	340	10.322	0.886	7.31	n/a	3.0	5800	n/a
Site 2	10:40 Branksome Road Weir	1.46	2.23	36.50	1600	540	11.429	1.207	7.54	n/a	6.0	8100	n/a
Site 3	11:10 Coy Pond inlet	2.05	1.32	42.20	900	110	7.487	1.870	7.64	n/a	8.0	3700	n/a
Site 4	10:50 Coy Pond outlet	2.28	<1.00	40.10	1500	620	7.310	1.597	7.60	n/a	8.0	4800	n/a
Site 5	11:00 U/S Coy Pond outlet	0.27	1.34	30.40	1800	100	18.34	0.052	7.13	n/a	4.0	9900	n/a
Site 6	11:40 Talbot Heath	2.35	1.82	42.50	300	800	6.512	1.328	7.64	n/a	1.0	3100	n/a
Site 7	12:15 D/S Alder Road pond	2.09	1.72	37.50	700	20	7.398	0.712	7.66	n/a	6.0	2800	n/a
Site 8	12:30 U/S Alder Road pond	2.08	<1.00	41.40	5300	550	8.461	0.843	7.63	n/a	2.0	7400	n/a
Site 9	09:30 D/S SUD	<0.04	0.96	35.70	300	110	21.397	0.105	7.85	n/a	3.0	2300	n/a
Site 10	09:15 U/S SUD	0.14	1.70	29.60	100	50	21.796	0.276	7.97	n/a	<1.0	2100	n/a
Site 11	11:55 Monkton Crescent	<0.04	1.21	28.80	200	70	13.777	0.072	7.34	n/a	1.0	2500	n/a
Site 12	09:50 Berkeley Avenue Trib 1	0.06	1.79	27.50	500	110	29.548	0.013	7.21	n/a	3.0	3000	n/a
Site 13	10:00 Berkeley Avenue Trib 2	0.07	1.35	34.40	800	1300	16.170	0.020	7.03	n/a	1.0	2500	n/a