



Appendix B

**Chemical Analysis Data for
Bore & Surface Water**

Held - correct

HILLS RD

date collected	location	B mg/l	Ca mg/l	Cd mg/l	Cr mg/l	Cu mg/l	Fe mg/l	K mg/l	Mg mg/l	Mn mg/l	Na mg/l	Pb mg/l	Zn mg/l	Cl mg/l	COD mg/l	NH ₄ -N mg/l	Nitrite mg/l	Nitrate mg/l	NNN mg/l	Total N	TOC/ NPOC ppm	DO	pH	EC	salinity	temp	odour	clarity	colour	
17-Oct-94	Hills Rd 1	0.33	73	<0.01	<0.02	<0.03	40	9.7	30.3	1.6	62	-0.2	0.02		628	13				14		2.1	6.2	850	500	15	nil	clear	clear	
06-Sep-95	Hills Rd 1	0.4	77	<0.01	<0.02	<0.03	3.4	10.3	32.5	1.6	67	<0.2	0.3		74	10				11		2.3	6.81	800	0	16	none	clear	none	
19-Dec-95	Hills Rd 1	B 0.66	120	0.007	0.59	0.72	470	72	110	5.9	820	1.2	2.7	250		-0.04	0.095	<0.1		98	450	0.9	6.54	380	2.5	16.5	methane	murky	dk. gry	
19-Jan-96	Hills Rd 1	B 0.53	58	0.0003	0.003	0.007	1	51	130	0.24	1000	0.005	0.19	2000		190	0.026	<0.1		1.4	4.3									
01-Apr-96	Hills Rd 1	B		<0.001	0.033	0.027	51			0.38		0.22	0.14			210		0.61			110	0.6	6.71	450	3	20	strong	cloudy	gr. black	
25-Oct-96	Hills Rd 1	B 0.9			0.013	0.014	64					0.034	0.061	450		59	0.02	0.033			58	1.3	7.73	280	2	22	strong	cloudy	gr. / blk	
12-Feb-98	Hills Rd 1	B 0.75	-	<0.00005	0.004	0.003	-	-	-	0.95	-	0.014	0.035	250	-	-	0.006	0.02	-	-	42	56	1.25	6.37	-	1	20.5	slight	s. cloudy	
10-Jun-98	Hills Rd 1	B 0.5	-	<0.0005	0.005	0.006	32	-	-	1.2	-	0.21	0.033	87	-	-	0.002	0.09	-	-	49	31	1.6	6.15	-	10	17	slight	sl. cloudy	lt brown
21-Jul-98	Hills Rd 1	B 0.69	-	<0.0005	0.003	0.005	32	-	-	1.1	-	0.015	0.019	120	-	-	0.02	<0.01	-	-	50	31	8.1	6.58	-	-	17	slight	clear	clear
13-Sep-95	Hills Rd 1	S 0.42	460	0.063	2.6	2.6	6.3	71	1900	32	1000	4.3	19	-	140	21	-	-		390		0.5								
22-Apr-96	Hills Rd 1	S		<0.001	0.002	0.015	2.9			0.51		0.005	0.016			3.2			3		17									
22-Apr-96	Hills Rd 1	S		<0.001	0.002	0.015	2.9			0.51		0.005	0.016			3.2					1.7	1.6	7.13	330	2	16	slight	clear	clear	
27-Nov-96	Hills Rd 1	S 0.7			0.004	0.008	31					0.001	0.031	990		19	0.024	0.1			4	6.76	360	2.3	19	none	opaque	brown		
25-May-98	Hills Rd 1	S 1.3	-	<0.0005	0.005	0.016	8	-	-	0.6	-	<0.003	0.12	4500	-	-	0.018	0.68	-	0.092	12	3.6	6.5	-	8	17	nil	sl. cloudy	silty	
22-Jul-98	Hills Rd 1	S 0.59	-	<0.0005	<0.002	0.006	1.1	-	-	0.02	-	<0.003	0.042	310	-	-	0.03	0.04	-	0.04	10	6	6.27	-	11	16	weak	clear	lt gry	
19-Oct-98	Hills Rd 1	S 0.665	-	0.00025	0.002	0.0075	2.71	-	-	1.06	-	0.0047	0.06	1900	-	-	0.02	1	-	-	24.3	5.2	6.43	600	55	26	Nil	Opaque	lt orange	
17-Oct-94	Hills Rd 2	0.23	18	<0.01	<0.02	<0.03	2.7	<1.3	14	0.5	38	-0.2	<0.01		<2	2.9				10		6.9	6.32	370	0	15.5	ammonia	clear	clear	
06-Sep-95	Hills Rd 2	0.2	17	<0.01	<0.02	<0.03	2.2	3.5	12.5	0.3	31	<0.2	<0.01		56	2.1					7.7	8	6.73	300	0	15	pungent	clear	none	
19-Dec-95	Hills Rd 2	B 0.32	59	0.003	0.005	0.021	11	13	29	1.7	52	0.016	0.072	45		0.81	0.012	9.5		9.7	36	1.5	6.31	85	0.5	15	methane	clear	lt. gry	
19-Jan-96	Hills Rd 2	B 0.46	49	0.0003	0.003	0.011	0.74	42	110	0.24	800	0.007	0.15	1800		<0.04	<0.005	0.6		1.2	5									
01-Apr-96	Hills Rd 2	B		<0.001	0.012	0.009	70			0.62		0.03	0.15			29		<0.003			14	0.9	6.18	130	<1	18	strong	cloudy	gr. black	
12-Feb-98	Hills Rd 2	B 0.24	-	0.00519	0.084	0.091	-	-	-	2	-	0.14	0.92	110	-	-	0.036	<0.01	-	8.4	20	2.1	6.21	-	0.5	19	slight	s. cloudy	silty res.	
26-May-98	Hills Rd 2	B 0.23	-	<0.0005	0.003	0.006	55	-	-	2.6	-	0.008	0.075	44	-	-	0.012	<0.01	-	15	20	1.9	6.9	-	0.6	18	nil	sl. cloudy	sl. silty	
21-Jul-98	Hills Rd 2	B 0.23	-	0.0011	0.12	0.16	110	-	-	4.7	-	0.12	0.56	18	-	-	0.04	0.05	-	2	23	4.5	6.09	-	-	17	slight	sl. cloudy	lt gry	
16-Oct-98	Hills Rd 2	B 0.12	-	0.00074	0.0087	0.0134	52.6	-	-	2.82	-	0.0376	0.163	45	-	-	0.01	0.2	-	-	28.8	3.8	6.15	55	3	21	Nil	Opaque	Opaque	
17-Oct-94	Hills Rd 3	0.36	23	<0.01	<0.02	<0.03	6.7	5	17.5	0.5	48	-0.2	-0.01		63	6.5				14		6.7	6.15	450	100	15	nil	clear	clear	
19-Dec-95	Hills Rd 3	B 1.1	66	0.002	0.18	0.15	150	54	86	3.7	210	0.21	0.8	320		-0.04	7.7	-0.1		130	180	1.3	6.35	180	1.5	18	nil	v. cloudy	dk. gry	
19-Jan-96	Hills Rd 3	B 0.46	49	0.0003	0.004	0.035	1.4	43	100	0.25	780	0.006	0.17	1700		200	0.01	0.2		1	4.7									
01-Apr-96	Hills Rd 3	B		0.004	0.17	0.17	160			2.9		0.21	0.69			300		0.039			180	0.5	6.69	475	3	18	strong	cloudy	gr. black	
26-Jun-98	Hills Rd 3	B 0.55	-	<0.0005	0.04	0.038	53	-	-	3.1	-	0.03	0.21	96	-	-	<0.001	<0.01	-	50	33	2.5	6.2	-	10	18	slight	sl. cloudy	blackish	
21-Jul-98	Hills Rd 3	B 0.07	-	0.0006	0.007	0.003	44	-	-	2.7	-	0.014	0.076	45	-	-	0.01	0.02	-	3.6	12	2.26	6.26	-	-	17	slight	opaque	blkish	
16-Oct-98	Hills Rd 3	B 0.238	-	0.00272	0.0944	0.161	130	-	-	4.17	-	0.173	0.545	65 : 65	-	-	<0.01	0.5	-	-	81.1	1.8	5.96	60	3	20	slight	Opaque	Dk grey	
17-Oct-94	Hills Rd 4	-0.07	8.9	<0.01	<0.02	<0.03	1.8	<1.3	5.7	0.1	22	-0.2	-0.01		20	-0.04				2.3		10.8	6.59	198	0	17	nil	clear	clear	
17-Feb-95	Hills Rd 4	1.5	125	<0.01	0.04	<0.03	0.73	117	377	0.33	3557	-0.2	0.03		56	0.31				1.2		15	8.13	58	0	23.5	fishy	fair	v. lt grey	
19-Dec-95	Hills Rd 4	B 2.7	86	0.001	0.11	0.11	110	16	75	1.2	200	0.13	1	140		<0.04	4.2	<0.1		28	130	1.3	6.57	160	1	17.5	methane	v. cloudy	dk. gm. gry	
01-Apr-96	Hills Rd 4	B		<0.001	0.017	0.015	49			0.72		0.024	0.13			64		0.018			56	0.6	6.4	200	1	18	slight	cloudy	gr. black	
12-Feb-98	Hills Rd 4	B 2.4	-	<0.00005	0.044	0.044	-	-	-	0.84	-	0.0032	0.16	210	-	-	0.03	0.01	-	17	59	1	6.42	-	1	19	slight	cloudy	dk. gry	
22-Jul-98	Hills Rd 4	B 1.7	-	0.0008	0.022	0.022	48	-	-	2.7	-	0.02	0.13	3	-	-	0.01	0.01	-	4.8	38	4.6	6.4	-	9	16	slight	sl. cloudy	lt gry	
17-Oct-98	Hills Rd 4	B 0.477	-	0.00008	0.0028	0.004	33	-	-	1.28	-	0.011	0.018	60	-	-	<0.01	<1	-	-	78	2.8	6.34	130	5	19	organic	Opaque	Lt grey	
17-Oct-94	Hills Rd 5	<0.07	11	<0.01	<0.02	<0.03	2.8	<1.3	6.3	0.2	22	-0.2	0.1		219	<0.04				2.6		10.8	6.82	190	0	16	nil	clear	clear	
17-Feb-95	Hills Rd 5	1.4	111	<0.01	0.03	<0.03	1.1	102	329	0.32	2992	-0.2	0.05		174	0.54				1.6		16	8.39	660	0	25	fishy	fair	v. lt grey	
17-Feb-98	Hills Rd 5	S 1.3	-	0.00081	0.014	0.023	-	-	-	0.72	-	0.014	0.11	3700	-	-	0.002	0.03	-	<0.02	23	0.85	7.04	-	8	24	strong	cloudy	gry/blk	
Comparison Data																														
	blank	0.21	1.4	<0.01	<0.01	<0.03	0.14	1.3	0.2	0.006	3.1	<0.2	0.02																	
	sea water	3.3	337	<0.1	<0.1	<0.3	0.3	331	1077	0.07	9283	<2	0.4																	
	river water	<0.1	4.2	<0.01	<0.01	<0.03	5.9	6.1	7.5	0.13	24.4	<0.2	0.01																	
	Greenmount	22		<0.																										

WHITFORD PARK

date collected	location	B mg/l	Ca mg/l	Cd mg/l	Cr mg/l	Cu mg/l	Fe mg/l	K mg/l	Mg mg/l	Mn mg/l	Na mg/l	Pb mg/l	Zn mg/l	Cl mg/l	COD mg/l	NH ₄ -N mg/l	Nitrite mg/l	Nitrate mg/l	NNN mg/l	Total N mg/l	TOC mg/l	DO	pH	EC	salinity	temp	odour	clarity	colour	
10-Feb-98	Whitford	S	1.8	-	0.0003	0.002	0.004	-	-	1.5	-	<0.001	0.01	8100; 81	-	-	0.003	0.02	-	0.20	0.1	-	2.9	6.95	2500	12.5	24	mod stg.	sl cldy	sl oil shn
17-Oct-94	Whitford 1		0	0.9	<0.01	<0.01	<0.03	0.6	<1.3	2.5	0.07	11.2	<0.2	0.01	76	<0.04				0.93			8.6	6.07	100	0	13	nil	clear	clear
17-Feb-95	Whitford 1		0.1	7.8	<0.01	<0.01	<0.03	2.1	3.2	4.5	0.03	20.5	<0.2	0.06	86	0.16				38			8	7.11	610	0	19	nil	clear	clear
29-Mar-96	Whitford 1	B			<0.001	0.043	0.049	36			6.4		0.12	0.75		0.008		1.3		8			0.7	6.51	300	2	20	slight	opaque	gr./blk.
28-Jul-96	Whitford 1	B	0.23	-	<0.0005	<0.0005	0.021	7.7	-	-	0.62	-	0.006	0.18	77	-	-	<0.01	0.35	-	0.15	5	3.5	6.21	60	4	17	Nil	Opaque	lgt gry
11-Oct-96	Whitford 1	B	0.5	-		0.042	0.067	48	-	-	0.11	0.83	710	-	-	3.6	<0.005	0.03	-				1.6	6.78	199		17	mod	cloudy	grey
10-Feb-98	Whitford 1	B	0.76	-	0.00216	0.02	0.064	-	-	-	2.3	-	0.066	0.79	940	-	-	0.003	0.02	-	4.9	-	6.2	6.79	330	2	23.5	sl. Leach	sl. cloudy	-
14-May-98	Whitford 1	B	0.86	-	0.0005	0.011	0.041	32	-	-	3.1	-	0.029	0.39	810	-	-	<0.001	<0.01	-	4.4	11	-	6.44	329	2	-	slight	sl cloudy	silty
20-Oct-98	Whitford 1	B	0.288	-	0.00053	0.0051	0.027	13.3	-	-	1.69	-	0.0189	0.196	270	-	-	0.05	0.2	-	-	22.1	3.8	6.63	110	5	21	organic	Opaque	Lt grey
17-Oct-94	Whitford 2		<0.01	1.9	<0.01	<0.01	<0.03	1.6	<1.3	3	0.1	14.5	<0.2	0.01	342	<0.04				1.1			9	6.3	103	0	13	nil	clear	clear
17-Oct-94	Whitford 3		0.12	22.2	<0.01	<0.01	<0.03	0.8	4.2	13.5	0.5	46.2	<0.2	0.01	132	<0.04				0.74			4.5	6.41	350	0	13	nil	clear	clear
17-Dec-95	Whitford 3	B	0.85	140	0.001	0.019	0.059	30	40	78	6.6	560	0.19	0.77	1000	<0.04	<0.005	9.6		5.2	31		1.85	6.95	590	3.9	16.5	nil	cloudy	grn. gry
29-Mar-96	Whitford 3	B			<0.001	0.011	0.027	31			5.1		0.089	0.25		0.017		4.9				9.4	1.75	6.62	380	2	20	slight	opaque	gr./blk.
11-Oct-96	Whitford 3	B	0.5	-		0.026	0.031	62	-	-	0.13	0.17	790	-	-	5	0.014	0.13	-				1.5	6.77	323		16	mod.	cloudy	gr. brown
05-Feb-98	Whitford 3	B	0.7	-	0.00038	0.027	0.076	-	-	-	3	-	1.18	0.64	590	-	-	0.008	0.02	-	5.5	-	5	6.8; 6.7	185	1	23	slight	cloudy	silty
14-May-98	Whitford 3	B	0.495	-	<0.0005	0.0105	0.03	52.5	-	-	3.4	-	0.0825	0.34	580	-	-	0.017	0.02	-	3.9	9	-	6.5	257	1	-	nil	sl cloudy	silty
28-Jul-98	Whitford 3	B	0.32	-	0.0005	0.005	0.037	31	-	-	2.1	-	0.013	0.73	210	-	-	<0.01	0.03	-	1.8	7	2.9	6.41	100	5	18	Weak	sl cldy	lgt gry
20-Oct-98	Whitford 3	B	0.297	-	0.00017	0.0012	0.0076	34.5	-	-	2.37	-	0.0124	0.051	305	-	-	0.04	0.3	-	-	29.2	3.2	6.48	118	6	22	organic	Opaque	Lt orange
17-Oct-94	Whitford 4		0.06	13.1	<0.01	<0.01	<0.03	1.4	3.2	10	0.17	41.2	<0.2	0.01	48	<0.04				0.76			9.7	6.75	290	0	13	nil	clear	clear
17-Oct-94	Whitford 5		0.07	11.6	<0.01	<0.01	<0.03	3	3.7	11.1	0.12	61.2	<0.2	0.01	260	<0.04				0.76			9.7	6.75	390	0	14	nil	clear	clear
17-Feb-95	Whitford 5		1.1	318	<0.1	0.14	<0.3	4.3	280	950	2.4	7790	<0.1	0.01	126	0.24				0.8			6.6	6.73	420	0	23	nil	clear	clear
19-Dec-95	Whitford 5	B	0.56	87	0.011	0.17	0.3	380	34	77	15	290	0.28	20	380	<0.04	<0.005	<0.1		24	160		0.35	6.63	191	1	18.8	nil	cloudy	blk. gry
29-Mar-96	Whitford 5	B			<0.001	0.013	0.024	29			6.3		0.034	1.4		1.1		0.03				6.4	1.4	6.43	115	<1	20	slight	opaque	gr./blk.
11-Oct-96	Whitford 5	B	0.3	-		0.013	0.021	64	-	-	0.043	1.1	97	-	-	3.2	0.011	0.22	-				1.6	6.72	93		17	mod.	cloudy	gry
05-Feb-98	Whitford 5	B	0.38	-	0.00062	0.004	0.009	-	-	-	2.1	-	0.018	0.49	140	-	-	0.002	0.01	-	2.5	-	4.1	6.7	95	0.5	24	sl. Leach	cloudy	-
14-May-98	Whitford 5	B	0.25	-	0.0013	0.005	0.023	57	-	-	2.9	-	0.053	1.2	130	-	-	0.03	<0.01	-	1.2	8	-	6.4	84	0.4	-	nil	sl cloudy	silty
20-Oct-98	Whitford 5	B	0.197	-	0.00066	0.0024	0.0112	40.6	-	-	3.44	-	0.0152	0.353	280	-	-	<0.01	0.1	-	-	32	4.2	6.39	70	4	21	organic	Opaque	Lt orange
28-Jul-00	Whitford 5	B	0.16	-	0.0006	0.007	0.007	24	-	-	2.4	-	0.006	0.27	77	-	-	<0.01	<0.01	-	0.58	6	2.7	6.15	50	4	16.5	Weak	sl cldy	lgt gry
17-Oct-94	Whitford 6		0.02	6.6	<0.01	<0.01	<0.03	1.6	<1.3	5.5	0.04	29.7	<0.2	0.01	199	<0.04				0.83			10.4	6.88	220	0	14.5	nil	clear	clear
17-Feb-95	Whitford 6		3.9	367	<0.1	0.23	<0.3	1.2	346	1164	0.38	9661	<0.2	0.12	62	0.35				0.7			12	7.4	500	1000	25	nil	clear	clear
19-Dec-95	Whitford 6	B	0.27	32	0.003	0.087	0.25	180	24	31	8.2	30	0.23	1.5	20	0.84	0.011	<0.1		2.4	30		2.3	6.77	240	1.5	20.7	slight	cloudy	grn. gry
01-Apr-96	Whitford 6	B			<0.001	0.03	0.044	48			3		0.085	0.25		0.059		0.15				3.5	5.4	5.87	45	<1	18	slight	opaque	or./br.
11-Oct-96	Whitford 6	B	<0.1	-		0.018	0.025	25	-	-	0.066	0.15	20	-	-	0.01	<0.005	0.6	-				4.4	6.4		19	18	slight	cloudy	lt. brown
11-Feb-98	Whitford 6	B	0.26	-	0.00045	0.044	0.04	-	-	-	2.1	-	0.015	0.26	89	-	-	0.002	0.01	-	0.36	-	4.2	6.32	60	0	23.5	Nil	cloudy	-
21-May-98	Whitford 6	B	0.1	-	<0.0005	0.008	0.022	65	-	-	3.4	-	0.041	0.46	160	-	-	<0.001	<0.01	-	0.22	9	3.5	6.05	90	0.5	19	nil	sl cloudy	orange
21-Oct-98	Whitford 6	B	0.059	-	0.00069	0.0086	0.0318	26.4	-	-	0.847	-	0.031	0.277	30	-	-	<0.01	0.3	-	-	10.4	4.2	5.89	25	3	20	Nil	Opaque	Lt orange
29-Jul-00	Whitford 6	B	0.05	-	0.005	0.005	0.029	25	-	-	0.8	-	0.04	0.26	20	-	-	<0.01	<0.01	-	<0.01	4	2.9	6.29	25	4	17	Nil	sl cldy	lgt orge
17-Oct-94	Whitford 7		0.14	25.7	<0.01	<0.01	<0.03	19.2	4.8	15.7	0.9	76.2	<0.2	0.01	165	<0.04				0.28			2.5	6.33	530	100	15	nil	light rust	light rust
19-Dec-95	Whitford 7	B	0.61	110	0.006	0.29	0.26	200	24	57	12	190	0.87	6.7	250	<0.04	<0.005	<0.1		4.9	69		5.1	7.13	24	0	17.5	nil	cloudy	brown
11-Oct-96	Whitford 7	B	0.7	-		0.24	0.22	260	-	-	0.79	6	120	-	-	2	0.016	0.019	-				0.2	6.76	89		18	mod.	cloudy	gr./blk
10-Feb-98	Whitford 7	B	0.48	-	0.00164	0.042	0.061	-	-	-	1.1	-	0.18	1.9	300	-	-	0.005	0.03	-	3.5	-	4.5	6.71	135	0.5	22	sl. Sulphs	cl. silty re	-
21-May-98	Whitford 7	B	0.34	-	0.0031	0.1	0.14	106	-	-	2.7	-	0.43	3.3	190	-	-	0.003	0.02	-	2.5	10	2.05	6.57	110	0.6	17	oily	sl cloudy	blackish
29-Jul-98	Whitford 7	B	0.11	-	0.0008	0.007	0.016	14	-	-	0.95	-	0.024	0.33	42	-	-	<0.01	<0.01	-	0.15	6	2.35	6.25	40	3	16	Nil	clear	clear
21-Oct-98	Whitford 7	B	0.164	-	0.00099	0.0119	0.0232	39.2	-	-	2.16	-	0.0555	0.608	85	-	-	0.01	0.4	-	-	14.1	3.8	6.56						

PAH RD

date collecte	location	B (mg/l)	Ca (mg/l)	Cd (mg/l)	Cr (mg/l)	Cu (mg/l)	Fe (mg/l)	K (mg/l)	Mg (mg/l)	Mn (mg/l)	Na (mg/l)	Pb (mg/l)	Zn (mg/l)	Cl (mg/l)	COD (mg/l)	NH ₄ -N (mg/l)	Nitrite	Nitrate	NNN	Total N (mg/l)	TOC* NPOC	DO	pH	EC	salinity	temp	odour	clarity	colour			
13-May-96	Pah Rd			<0.001	<0.002	0.01	4.1			1.1		0.006	0.15			46		<0.003			26		2.65	7.09	140	<1	18	slight	clear	lt. br.		
11-Oct-96	Pah Rd	S	1.1		0.004	0.003	6.4					<0.001	0.019	74		25	<0.005	0.42		19		2.8	7.17	112.3	-	20.8	slight	clear	lt. / or.			
17-Feb-98	Pah Rd	S	2.4	-	<0.0005	0.003	<0.002	-	-	0.35	-	<0.001	0.014	630	-	-	0.52	0.92	-	12	34	1.4	7.15	-	1.5	22	nil	clear, oil	black sed.			
25-May-98	Pah Rd	S	2.9	-	<0.0005	<0.002	0.0055	12	-	0.55	-	<0.003	0.385	7900	-	-	0.025	0.26	-	19	15	3.2	7.1	-	15	16.5	nil	sl cloudy	sl orange			
18-Oct-94	Pah Rd 1		<0.02	19	<0.01	<0.01	<0.03	0.4	<1.3	18	0.04	35	<0.2	<0.01	1420	<0.04				3.7		10.6	6.69	380	100	17	nil	clear	clear			
24-Feb-95	Pah Rd 1		0.35	25.5	<0.01	<0.01	<0.03	2.3	14	35.5	0.36	251	<0.2	0.02	1400	0.21			0.8		6.8	7	1700	0	22	nil	clear	clear				
12-Mar-96	Pah Rd 1	B			0.009	0.97	0.85	370		8.5		1.8	3.6			77	<0.005	<0.1		39	1.45	6.38	150	<1	18	mod.	cloudy	lt. br.				
10-Oct-96	Pah Rd 1	B	0.2		0.01	0.011	31					0.025	0.048	28		24	0.023	<0.005		13	1.2	6.61	73	-	20	slight	sl. cloudy	lt. grey				
13-Feb-98	Pah Rd 1	B	0.38	-	0.0002	0.086	0.053	-	-	0.7	-	0.003	0.08	46	-	-	0.018	<0.01	-	22	22	1.4	6.51	-	0.5	18.5	nil	sl cloudy	-			
19-May-98	Pah Rd 1	B	1.3	-	0.0013	0.12	0.012	93	-	1.1	-	0.45	0.69	39.5	-	-	0.04	<0.05	-	190	30	2.9	-	-	0.9	19	nil	sl cloudy	blackish			
22-Jul-98	Pah Rd 1	B	0.2	-	<0.0005	<0.002	0.004	24	-	0.56	-	<0.003	0.009	57	-	-	<0.01	<0.01	-	21	10	-	6.28	-	3	16	weak	clear	clear			
19-Oct-98	Pah Rd 1	B	0.596	-	0.00019	0.0017	0.0057	24.2	-	0.337	-	0.0142	0.052	110	-	-	<0.01	0.6	-	-	30.2	2	6.61	75	6	19	organic	opaque	Lt grey			
18-Oct-94	Pah Rd 2		0.26	100	<0.01	<0.01	<0.03	0.7	10	38	0.2	36	0.2	0.27	35	<0.04				7.1		4.3	6.47	800	700	16	nil	clear	clear			
12-Mar-96	Pah Rd 2	B			0.042	2.4	2.4	530		9.7		9.3	14			130	<0.005	<0.1		14	27	1.8	6.58	170	1	18	strong	cloudy	lt. br.			
10-Oct-96	Pah Rd 2	B	1.9			1.2	1	540				4.5	7	27		62	<0.005	0.11		35	0.1	6.62	118	-	18	slight	cloudy	gr. / blk				
13-Feb-98	Pah Rd 2	B	1.1	-	0.00019	0.018	0.017	-	-	0.52	-	0.087	0.15	50	-	-	0.007	<0.01	-	51	30	1.3	6.7	-	1	19	medium	cloudy	-			
19-May-98	Pah Rd 2	B	1.5	-	<0.0005	0.055	0.0065	67	-	1	-	0.16	0.21	90	-	-	0.046	<0.05	-	260	53	2.4	-	-	1	19	nil	sl cloudy	blackish			
22-Jul-98	Pah Rd 2	B	0.09	-	0.0007	0.035	0.033	50	-	1.1	-	0.13	0.2	21	-	-	<0.01	0.02	-	4.2	23	-	6.56	-	3	16	weak	sl cloudy	lt grey			
19-Oct-98	Pah Rd 2	B	0.235	-	0.00241	0.122	0.358	87.4	-	1.42	-	0.488	0.743	55	-	-	0.02	0.5	-	-	36	2.2	6.47	100	6	20	organic	opaque	Dk grey			
23-Jul-98	Pah Rd 2	S	1.7	-	<0.0005	0.003	0.01	12	-	0.49	-	<0.003	0.009	310	-	-	0.1	1.7	-	21	20	-	7.27	-	15	18	weak	opaque	lt orange			
23-Oct-98	Pah Rd 2	S	1.63	-	0.0007	0.038	0.09	126	-	1.44	-	0.037	0.32	1815	-	-	0.02	0.7	-	-	29.6	2.2	7.43	300	38	18	slight	sl cloudy	grey			
18-Oct-94	Pah Rd 3		<0.02	15	<0.01	<0.01	<0.03	0.3	<1.3	15	0.06	26	<0.2	<0.01	60	<0.04				4.6		8.4	6.86	300	0	15	nil	clear	clear			
24-Feb-95	Pah Rd 3		0.39	17	<0.01	<0.01	<0.03	5	3.1	11.2	0.76	32	<0.2	0.03	75	0.08			1		3.5	7.53	280	N/T	18	nil	clear	clear				
12-Mar-96	Pah Rd 3	B			0.008	0.33	0.43	160		4.1		1.2	4.8			66	<0.005	<0.1		27	0.8	6.72	175	1	19	mod.	cloudy	lt. br.				
10-Oct-96	Pah Rd 3	B	0.9		0.000185	0.011	0.013	-	-	0.335	-	0.0355	0.12	52	-	-	0.007	<0.01	-	23	23	1.6	6.87	-	1	19.5	slight	clear	-			
13-Feb-98	Pah Rd 3	B	0.72	-	<0.0005	0.005	<0.002	23	-	0.3	-	0.012	0.084	57	-	-	0.004	0.01	-	65	33	1.7	6.7	-	1	17	slight	sl cloudy	sl silty			
23-Jul-98	Pah Rd 3	B	0.69	-	<0.0005	<0.002	0.013	11	-	0.34	-	0.011	0.14	67	-	-	0.05	1.8	-	31	19	-	6.85	-	10	17	nil	opaque	lt orange			
19-Oct-98	Pah Rd 3	B	0.152	-	0.00012	0.0027	0.241	22.2	-	0.769	-	0.0084	0.13	50 : 50	-	-	<0.01	0.7	-	-	31.7	2.6	6.17	52	3	19	organic	opaque	Lt grey			
24-Feb-95	Pah Rd A		0.74	37.5	<0.01	<0.01	<0.03	2.7	32	77	0.24	658	<0.2	0.03	25	0.061				1.1												
13-Sep-95	Pah Rd 13	S	0.98	380	0.086	0.8	4.7	1500	32	110	28	68	5.8	30	-	4600	0.44	-	-	72		0.5										
Comparison Data																																
	blank	0.21	1.4	<0.01	<0.01	<0.03	0.14	1.3	0.2	0.006	3.1	<0.2	0.02																			
	sea water	3.3	337	<0.1	<0.1	<0.3	0.3	331	1077	0.07	9283	<2	0.4																			
	river water	<0.1	4.2	<0.01	<0.01	<0.03	5.9	6.1	7.5	0.13	24.4	<0.2	0.01																			
	Greenmount	22		<0.01	0.19	0.07	128			13		0.18	25		10500																	
	ARC Trade Waste	25		1	30	10				20		10	25																			
	USEPA Fresh Acute			0.0039	0.016	0.18						0.083	0.12																			
	USEPA Marine Acute			0.043	1.1	0.0029						0.22	0.095																			
	ANZECC Freshwater			*0.0002	0.01	*0.002	1					*0.001	*0.005																			
	ANZECC Marine			0.002	0.05	0.005						0.005	0.05																			

RIVERINA AVE

date collected	location	B (mg/l)	Ca (mg/l)	Cd (mg/l)	Cr (mg/l)	Cu (mg/l)	Fe (mg/l)	K (mg/l)	Mg (mg/l)	Mn (mg/l)	Na (mg/l)	Pb (mg/l)	Zn (mg/l)	Cl (mg/l)	COD (mg/l)	NH ₄ -N (mg/l)	Nitrite	Nitrate	NNN	Total N (mg/l)	TOC* NPOC	DO	pH	EC	salinity	temp	odour	clarity	colour	
26-Mar-96	Riverina 4			0.002	2.2	0.74	920			11		0.92	2.1			0.14	<0.005	0.011			27	1.25	5.63	120	<1	22			yellow / br	
06-Nov-96	Riverina 4	0.2			0.094	0.072	54					0.052	0.11	280		0.02	<0.005	0.028			4.8	5.3	5.6	100	<1	17	slight	cloudy	or. / brown	
04-Jun-98	Riverina 4	<0.05	-	<0.0005	0.027	0.49	34	-	-	0.72	-	0.047	0.58	84	-	-	0.005	0.01	-	0.13	17	5.8	5.49	-	0	17	sl odour	sl cloudy	blackish	
22-Oct-98	Riverina 4	B 0.05	-	0.00046	0.0148	0.195	11.7	-	-	0.409	-	0.0214	0.194	55	-	-	0.02	0.3	-	-	28.1	3.5	5.58	22	1	19	mod	sl cloudy	grey	
Comparison Data																														
	blank	0.21	1.4	<0.01	<0.01	<0.03	0.14	1.3	0.2	0.006	3.1	<0.2	0.02																	
	sea water	3.3	337	<0.1	<0.1	<0.3	0.3	331	1077	0.07	9283	<2	0.4																	
	river water	<0.1	4.2	<0.01	<0.01	<0.03	5.9	6.1	7.5	0.13	24.4	<0.2	0.01																	
	Greenmount	22		<0.01	0.19	0.07	128			13		0.18	25		10500															
	ARC Trade Waste	25		1	30	10				20		10	25																	
	USEPA Fresh Acute			0.0039	0.016	0.18						0.083	0.12																	
	USEPA Marine Acute			0.043	1.1	0.0029						0.22	0.095																	
	ANZECC Freshwater			*0.0002	0.01	*0.002	1					*0.001	*0.005																	
	ANZECC Marine			0.002	0.05	0.005						0.005	0.05																	

RIVERHILLS PARK

date collected	location	B mg/l	Ca mg/l	Cd mg/l	Cr mg/l	Cu mg/l	Fe mg/l	K mg/l	Mg mg/l	Mn mg/l	Na mg/l	Pb mg/l	Zn mg/l	Cl mg/l	COD mg/l	NH ₄ -N mg/l	Nitrite mg/l	Nitrate mg/l	NNN mg/l	Total N mg/l	TOC* NPOC mg/l	DO	pH	EC	salinity	temp	odour	clarity	colour			
07-Apr-96	Riverhills 2	B		<0.001	0.002	0.01	140			5		0.005	0.11			1.3		0.1			5.2	3.55	5.25	240	1.5	19	slight	cloudy	lt. br.			
20-Oct-96	Riverhills 2	B	0.1		0.02	0.024	410					0.022	0.1	1900		3.6	0.077	0.048			21	2.5	5.62	485		19	strong	cloudy	gr. br.			
27-May-98	Riverhills 2	B	<0.05	-	<0.0005	0.021	0.036	130	-	-	4.8	-	0.043	0.11	880	-	-	0.022	0.09	-	2.05	19	4.9	5.9	-	2	16	nil	sl silty	blackish		
23-Oct-98	Riverhills 2	B	0.023	-	0.0003	0.0149	0.0213	88.2	-	-	0.0006	-	0.0287	0.071	500	-	-	<0.01	0.4	-	-	15.9	3.4	5.77	102	4	19	slight	sl cloudy	lt grey		
Comparison Data																																
	blank	0.21	1.4	<0.01	<0.01	<0.03	0.14	1.3	0.2	0.006	3.1	<0.2	0.02																			
	sea water	3.3	337	<0.1	<0.1	<0.3	0.3	331	1077	0.07	9283	<2	0.4																			
	river water	<0.1	4.2	<0.01	<0.01	<0.03	5.9	6.1	7.5	0.13	24.4	<0.2	0.01																			
	Greenmount	22		<0.01	0.19	0.07	128			13		0.18	25	10500																		
	ARC Trade Waste	25		1	30	10				20		10	25																			
	USEPA Fresh Acute			0.0039	0.016	0.18						0.083	0.12																			
	USEPA Marine Acute			0.043	1.1	0.0029						0.22	0.095																			
	ANZECC Freshwater			*0.0002	0.01	*0.002	1					*0.001	*0.005																			
	ANZECC Marine			0.002	0.05	0.005						0.005	0.05																			

LEABANK PARK

date collecte	location	B (mg/l)	Ca (mg/l)	Cd (mg/l)	Cr (mg/l)	Cu (mg/l)	Fe (mg/l)	K (mg/l)	Mg (mg/l)	Mn (mg/l)	Na (mg/l)	Pb (mg/l)	Zn (mg/l)	Cl (mg/l)	COD (mg/l)	NH4-N (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	NNN (mg/l)	Total N (mg/l)	TOC* NPOC	DO	pH	EC	salinity	temp	odour	clarity	colour		
2-Apr-96	Leabank 5	B																													
29-Oct-96	Leabank 5	B	<0.1		0.069	0.033	60					0.052	0.21	27		<0.01	0.02	2.4			1.6	4.2	8.75	13	<1	19	nil	or. / br.	low		
Comparison Data																															
	blank	0.21	1.4	<0.01	<0.01	<0.03	0.14	1.3	0.2	0.006	3.1	<0.2	0.12		3.4	0.16					1.4		4.2	6.96	nt	0	22	none	opaque	light grey brown	
	sea water	3.3	337	<0.1	<0.1	<0.3	0.3	331	1077	0.07	9283	<2	0.02																		
	river water	<0.1	4.2	<0.01	<0.01	<0.03	5.9	6.1	7.5		24.4	<0.2	0.4																		
	Greenmount	22		<0.01	0.19	0.07	128			13		0.18	0.01																		
	ARC Trade Waste	25		1	30	10				20		10	25		10500																
	USEPA Fresh Acute			0.0039	0.016	0.18						0.083	25																		
	USEPA Marine Acute			0.043	1.1	0.0029						0.22	0.12																		
	ANZECC Freshwater			*0.0002	0.01	*0.002	1					*0.001	0.095																		
	ANZECC Marine			0.002	0.05	0.005						0.005	*0.005																		

MIRO RD

date collected	location	B (mg/l)	Ca (mg/l)	Cd (mg/l)	Cr (mg/l)	Cu (mg/l)	Fe (mg/l)	K (mg/l)	Mg (mg/l)	Mn (mg/l)	Na (mg/l)	Pb (mg/l)	Zn (mg/l)	Cl (mg/l)	COD (mg/l)	NH4-N (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	NNN (mg/l)	Total N (mg/l)	TOC* NPOC	DO	pH	EC	salinity	temp	odour	clarity	colour	
28-Oct-94	Miro Rd 1	<0.1	13	<0.01	<0.01	0.04	3.1	1.7	1.7	0.09	1.6	<0.2	0.18		45	0.29				1.8		7.3	7.68	910	600	16	salt	Clear	Clear	
19-Dec-95	Miro Rd 1	B 1.2	96	0.001	0.009	0.022	17	40	88	0.38	250	0.022	0.21	220		26	<0.005	<0.1		34	64		6.84	230	1.5	19.5	nil	clear	lt. ylow	
25-Mar-96	Miro Rd 1	B		0.001	0.002	0.025	5				1.9	0.012	0.052			32	<0.005	0.004			68	1.15	6.98	230	1	18	mod.	cloudy	gry / br.	
05-Nov-96	Miro Rd 1	B 0.8			0.028	0.028	28					0.026	0.035	2600		12	<0.005	0.021			30	2.9	7.16	900	6	17	mod.	cloudy	dk gry	
12-Feb-98	Miro Rd 1	B 0.9		0.00019	0.1	0.19	-	-	-	0.4	-	0.13	0.34	210	-	-	0.002	<0.01	-	13	40	0.8	7.02	-	1	20.5	sl. leach	sl. cloud	-	
20-May-98	Miro Rd 1	B 0.93		<0.0005	0.0065	0.009	17	-	-	0.24	-	0.0041	0.28	200	-	-	0.15	0.35	-	0.65	11	3.05	17	-	1	17	nil	sl cloud	sl silty	
23-Jul-98	Miro Rd 1	B 1.5		<0.005	0.003	0.015	28	-	-	0.6	-	0.004	0.15	95	-	-	0.08	<0.01	-	21	34	1.5	7.01	-	13	18	weak	clear	clear	
20-Oct-98	Miro Rd 1	B 1.01		0.00002	0.0036	0.0059	23	-	-	0.544	-	0.0196	0.147	145	-	-	0.01	1.4	-	-	82.8	1.8	7.11	160	7	25	slight	opaque	lt orange	
19-Dec-95	Miro Rd 2	B 0.98	110	0	0.008	0.021	27	67	180	2.2	1400	0.012	0.13	3000		<0.04	<0.005	<0.1		16	160		6.66	750	5	16	nil	clear	lt gry	
12-Feb-98	Miro Rd 2	B 1.15		<0.0005	0.003	0.005	-	-	-	1.4	-	0.02	0.022	3700	-	-	<0.001	<0.01	-	4.8	21	1.3	7.42	-	4	18.5	Nil	clear	-	
26-Aug-94	Miro Rd 3		1.8	220	<0.1	0.4	<0.3	1.2	167	574	1.3	4388	<2	<0.1		177	-			-		2	7.02	15500	11	16	Nil	Fair	Gr/Brown	
28-Oct-94	Miro Rd 3		<0.1	40	<0.01	<0.01	<0.03	5.9	17.4	41	0.6	175	<0.2	<0.01	380	4.7				6.2		7.4	6.7	500	0	16	Nil	Clear	Clear	
15-Sep-95	Miro Rd 3	S 0.7	160	0.0015	0.15	0.22	120	47	140	2.3	400	0.69	0.71	-	360	14	-	-		18		3								
19-Dec-95	Miro Rd 3	B 1.1	110	0.002	0.014	0.035	24	75	160	2	1200	0.034	0.17	2600		<0.04	<0.005	<0.1		15	72		6.6	1000	6.5	20	nil	clear	br. gry	
25-Mar-96	Miro Rd 3	B		0.001	0.002	0.023	4.9				2.1	0.012	0.048			4.3	<0.005	0.048		31	4.3	6.83	900	5	22	mod.	cloudy	gry / br.		
26-Mar-96	Miro Rd 3	B		0.001	0.038	0.077	3.3				1.4	0.08	0.19			12	0.008	0.011		54	2	6.97	1400	9	18	mod.	cloudy	gry / br.		
05-Nov-96	Miro Rd 3	B 1			0.086	0.12	110					0.11	0.19	2200		10	0.007	0.037		53	3.3	7.2	600	4	20	strong	dark	black		
05-Nov-96	Miro Rd 3	B 1.2			0.011	0.013	28					0.056	0.24	180		27	0.005	0.029		39	2.2	7.13	190	1	20	strong	mod.	gry		
17-Feb-98	Miro Rd 3	B 0.64		<0.00005	0.003	0.007	-	-	-	1.3	-	0.003	0.025	1600	-	-	0.007	0.007	-	6.9	51	1.55	7.33	-	4	19	Nil	clear	sl. brown	
26-Aug-94	Miro Rd 4		1.3	194	<0.1	0.27	<0.3	1.1	134	458	1.5	3373	<2	<0.1		458	-			-		2.5	7.18	15000	1	14	Nil	Slight O	Gr/Brown	
28-Oct-94	Miro Rd 4		<0.1	26	<0.01	<0.01	<0.03	3.6	14.1	25	0.38	163	<0.2	<0.01	340	2.6				3.9		8	7.65	265	0	17	Nil	Clear	Clear	
15-Sep-95	Miro Rd 4	S 0.83	1600	0.001	0.07	0.12	100	56	150	2.3	780	0.3	0.34	-	390	13	-	-		15		3								
14-May-96	Miro Rd 4	S			<0.001	<0.002	0.02	0.08		0.03		0.39	0.03			0.16		5.8		0.8	707	6.65	105	<1	17	nil	clear	clear		
05-Nov-96	Miro Rd 4	S <0.1			<0.001	0.001	0.078					<0.001	<0.002	49		0.053	<0.005	6.3		1	5.4	6.72	37.1	-	17.7	slight	clear	clear		
26-Aug-94	Miro Rd 5		<0.1	24	<0.01	<0.01	<0.03	<0.01	10.1	35	<0.01	212	<0.2	<0.01	50	-				-		7	7	1300	0.5	16	Nil	Crystal	Crystal	
28-Oct-94	Miro Rd 5		<0.1	14	<0.01	<0.01	<0.03	0.2	4.1	15	<0.01	68	<0.2	<0.01	245	<0.04				4.1		9.4	6.89	720	300	16.5	Nil	Clear	Clear	
26-Aug-94	Miro Rd 6		<0.1	24	<0.01	<0.01	<0.03	0.04	10.5	37	0.03	237	<0.2	<0.01	2143	-				-		6.7	7.18	1500	1	16	Nil	Crystal	Crystal	
28-Oct-94	Miro Rd 6		<0.1	19	<0.01	<0.01	<0.03	0.1	6.6	25	<0.01	122	<0.2	<0.01	220	<0.04				5.5		4.5	6.86	6000	3500	19	Nil	Clear	Clear	
24-Feb-95	Miro Rd 6		0.56	50	<0.01	<0.01	<0.03	0.4	32.5	103	0.06	758	<0.2	0.05	220	0.25				4.4		-	6.95	350	3	16	misty/clear	cloudy	Greenish brown	
26-Aug-94	Miro Rd 8		<0.1	63	<0.01	<0.01	<0.03	0.1	10.5	36	0.03	170	<0.2	<0.01	2500	-				-		8.4	7.3	950	0	14	Nil	Clear	Clear	
28-Oct-94	Miro Rd 8		<0.1	18	<0.01	<0.01	<0.03	1.3	3.8	7.3	0.18	35	<0.2	0.03	495	0.16				0.88		2.3	7.09	2000	1000	20	Nil	Clear	Clear	
26-Aug-94	Miro Rd 9		0.23	44	<0.01	0.04	<0.03	0.4	26.7	90	0.18	725	<0.2	0.05	3223	-				-		9.5	7.33	3400	2	13.5	Nil	Clear	Clear	
24-Feb-95	Miro Rd 9		0.4	21.5	<0.01	<0.01	<0.03	1.8	20.5	29	0.13	347	<0.2	0.08	270	0.76				1.6		-	7.17	430	3	15.5	Nil	cloudy	lt. greenish brow	
26-Aug-94	Miro Rd 10		3.2	321	<0.1	0.62	<0.3	0.4	311	1025	0.08	8720	<2	<0.1	8728	-				-		9.4	7.23	110	0	18	Nil	fair-opa	dark gry	
26-Aug-94	Miro Rd 11		3.3	337	<0.1	0.59	<0.3	<0.3	331	1077	0.07	9283	<2	<0.1	9723	-				-		5.8	7.12	131	900	16	compost	Clear	Clear	
15-Sep-95	Miro Rd B1 Borchol	B 1.1	97	0.0013	0.097	0.11	36	40	84	0.73	210	0.1	0.47	220	220	30	0.004	<0.005		26		1.5								
15-Sep-95	Miro Rd B2 Borchol	B 1.1	160	0.0013	0.11	0.15	61	71	190	2.4	1600	0.073	0.29	3000	300	15	0.005	<0.005		15		6.5								
15-Sep-95	Miro Rd B3 Borchol	B 0.75	400	0.027	3	4.4	2900	150	440	52	1200	3.7	6.9	2100	300	13	0.005	<0.005		33		5								
15-Sep-95	Miro Rd B3#	-	-	0.00049	0.0072	0.066	1.7	-	-	0.3	-	0.013	0.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27-Apr-95	Miro Rd F	0.38	84	<0.01	<0.01	<0.03	5.7	16.6	70.8	1.8	358	<0.2	<0.01	86	1.2					1.6		-	7.18	190	1.5	17	Nil	cloudy	Grey	
27-Apr-95	Miro Rd GH	0.7	144	<0.01	<0.01	<0.03	15.8	67.7	139.8	0.9	968	<0.2	0.03	735	36					38		-	7.11	850	6.5	15.5	Nil	cloudy	Greenish grey	
27-Apr-95	Miro Rd ON	0.3	108	<0.01	<0.01	<0.03	2.1	5	50.8	0.16	85	<0.2	<0.01	330	0.13					0.45		-	7.27	650	5	19	Nil	cloudy	Greenish grey	

date collected	location	B (mg/l)	Ca (mg/l)	Cd (mg/l)	Cr (mg/l)	Cu (mg/l)	Fe (mg/l)	K (mg/l)	Mg (mg/l)	Mn (mg/l)	Na (mg/l)	Pb (mg/l)	Zn (mg/l)	Cl (mg/l)	COD (mg/l)	NH4-N (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	NNN (mg/l)	Total N (mg/l)	TOC* NPOC	DO	pH	EC	salinity	temp	odour	clarity	colour	
Comparison Data																														
	<i>blank</i>																													
	<i>sea water</i>																													
	<i>river water</i>	0.21	1.4	<0.01	<0.01	<0.03	0.14	1.3	0.2	0.006	3.1	<0.2	0.02	-	-															
	<i>Greenmount</i>	3.3	337	<0.1	<0.1	<0.3	0.3	331	1077	0.07	9283	<2	0.4	-	-															
	<i>ARC Trade Waste</i>	<0.1	4.2	<0.01	<0.01	<0.03	5.9	6.1	7.5	0.13	24.4	<0.2	0.01	-	-															
		22	-	<0.01	0.19	0.07	128	-	-	13	-	0.18	25	10500	-	-														
		25	-	1	30	10	-	-	-	20	-	10	25	-	-															
	<i>USEPA Fresh Acute</i>	-	-	0.0039	0.016	0.18	-	-	-	-	-	0.083	0.12	-	-															
	<i>USEPA Marine Acute</i>	-	-	0.043	1.1	0.0029	-	-	-	-	-	0.22	0.095	-	-															
	<i>ANZECC Freshwater</i>	-	-	*0.0002	0.01	*0.002	1	-	-	-	-	*0.001	*0.005	-	-															
	<i>ANZECC Marine</i>	-	-	0.002	0.05	0.005	-	-	-	-	-	0.005	0.05	-	-															

denotes results from reanalysis of sample following filtration

DALE CRES

date collected	location	B (mg/l)	Ca (mg/l)	Cd (mg/l)	Cr (mg/l)	Cu (mg/l)	Fe (mg/l)	K (mg/l)	Mg (mg/l)	Mn (mg/l)	Na (mg/l)	Pb (mg/l)	Zn (mg/l)	Cl (mg/l)	COD (mg/l)	NH ₄ -N (mg/l)	Nitrite	Nitrate	NNN	Total N (mg/l)	TOC* NPOC	DO	pH	EC	salinity	temp	odour	clarity	colour	
26-Mar-96	Dale Cres 1	B		0.001	0.1	0.054	150			8.1		0.086	0.3			37	<0.005	0.003			130	1	6.41	2700	18	19	strong	cloudy	grey	
06-Nov-96	Dale Cres 1	B	2.2	0.038		0.051	130					0.05	0.13	6500		28	0.008	0.017			54	3.1	6.64	1700	11	19	v.strong	black	black	
04-Jun-98	Dale Cres 3	B	0.66	-	<0.0005	0.032	0.089	75	-	-	1.8	-	0.055	0.37	2000	-	-	0.006	<0.01	-	11	56	2.6	6.46	-	<0.1	16	organic	cloudy	black
23-Oct-98	Dale Cres 3	B	0.88	-	<0.0005	<0.005	0.023	77.7	-	-	3.62	-	0.015	0.07	3455	-	-	0.03	0.2	-	-	139	2.2	6.81	790	70	19	strong	sl. cldy	blackish
Comparison Data																														
	blank		0.21	1.4	<0.01	<0.01	<0.03	0.14	1.3	0.2	0.006	3.1	<0.2	0.02																
	sea water		3.3	337	<0.1	<0.1	<0.3	0.3	331	1077	0.07	9283	<2	0.4																
	river water		<0.1	4.2	<0.01	<0.01	<0.03	5.9	6.1	7.5	0.13	24.4	<0.2	0.01																
	Greenmount		22		<0.01	0.19	0.07	128					0.18	25	10500															
	ARC Trade Waste		25		1	30	10						10	25																
	USEPA Fresh Acute				0.0039	0.016	0.18						0.083	0.12																
	USEPA Marine Acute				0.043	1.1	0.0029							0.22	0.095															
	ANZECC Freshwater				*0.0002	0.01	*0.002	1					*0.001	*0.005																
	ANZECC Marine				0.002	0.05	0.005						0.005	0.05																

KINGFISHER PL.

date collected	location	B (mg/l)	Ca (mg/l)	Cd (mg/l)	Cr (mg/l)	Cu (mg/l)	Fe (mg/l)	K (mg/l)	Mg (mg/l)	Mn (mg/l)	Na (mg/l)	Pb (mg/l)	Zn (mg/l)	Cl (mg/l)	COD (mg/l)	NH ₄ -N (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	NNN (mg/l)	Total N (mg/l)	TOC	DO	pH	EC	salinity	temp	odour	clarity	colour	
26-Sep-94	Kingfisher 1	0.19	79	<0.01	<0.01	<0.03	10	5.5	9.6	2.3	41	<0.2	0.15		73	0.79				1.6		4.7	6.26	500	0.1	17	clear	none	none	
19-Oct-94	Kingfisher 1	0.17	72	<0.01	<0.01	<0.03	11	7.8	20.8	2.3	82	<0.2	<0.01	854	<0.04					1.7		6	6.46	670	100	16	nil	clear	clear	
23-Oct-98	Kingfisher 1	1.41	-	0.0017	0.017	0.036	146	-	-	2.15	-	0.038	0.83	6770	-	-	0.06	0.5	-	-	12.3	3.8	7.46	1150	103	17	mod	sl cldy	lt orange	
12-Sep-95	Kingfisher 1	S	0.5	100	0.0051	0.076	0.092	740	16	34	3.7	92	0.12	3.2	-	480	0.23	-	-	8.7		0.5								
13-May-96	Kingfisher 1	S			0.002	0.12	0.16	1200			4.7		0.17	6.4			2.5		0.004		7	0.35	6.97	90	<1	17	slight	cloudy	or. br.	
25-May-98	Kingfisher 1	S	4	-	0.0005	0.008	0.0018	9.3	-	-	0.8	-	<0.003	0.095	14000	-	-	0.15	0.35	-	0.65	11	4.7	7.2	-	25	17	nil	sl cloudy	sl silty
19-Oct-94	Kingfisher 2	<0.01	7.6	<0.01	<0.01	<0.03	0.25	<1.3	27.3	0.02	17	<0.2	<0.01		237	<0.04				2.9		9.5	6.19	160	0	15	nil	clear	clear	
24-Feb-95	Kingfisher 2	0.23	11.1	<0.01	<0.01	<0.03	0.68	4.6	11.1	0.07	92	<0.2	0.27		245	0.15				0.9		7.2	6.72	700	0	21	nil	clear	clear	
Comparison Data																														
	blank	0.21	1.4	<0.01	<0.01	<0.03	0.14	1.3	0.2	0.006	3.1	<0.2	0.02																	
	sea water	3.3	337	<0.1	<0.1	<0.3	0.3	331	1077	0.07	9283	<2	0.4																	
	river water	<0.1	4.2	<0.01	<0.01	<0.03	5.9	6.1	7.5	0.13	24.4	<0.2	0.01																	
	Greenmount	22		<0.01	0.19	0.07	128				13		0.18	25	10500															
	ARC Trade Waste	25		1	30	10					20		10	25																
	USEPA Fresh Acute			0.0039	0.016	0.18						0.083	0.12																	
	USEPA Marine Acute			0.043	1.1	0.0029						0.22	0.095																	
	ANZECC Freshwater			*0.0002	0.01	*0.002	1					*0.001	*0.005																	
	ANZECC Marine			0.002	0.05	0.005						0.005	0.05																	

COXHEAD RD

date collected	location	B mg/l	Ca mg/l	Cd mg/l	Cr mg/l	Cu mg/l	Fe mg/l	K mg/l	Mg mg/l	Mn mg/l	Na mg/l	Pb mg/l	Zn mg/l	Cl mg/l	COD mg/l	NH ₄ -N mg/l	Nitrite mg/l	Nitrate mg/l	NNN	Total N	TOC* NPOC	DO	pH	EC	salinity	temp	odour	clarity	colour	
23-Sep-94	Coxhead Rd 1	0.1	12.3	<0.01	<0.01	<0.03	0.2	<1.3	4.4	0.03	19	<0.2	0.1		424	<0.04				3.2		10.8	6.81	150	0	14	none	clear	none	
18-Oct-94	Coxhead Rd 1	<0.02	9.2	<0.01	<0.01	<0.03	0.2	<1.3	4.7	0.04	16	<0.2	<0.01		930	<0.04				3.4		10.2	6.86	170	0	16	none	clear	none	
23-Sep-94	Coxhead Rd 2	0.1	10.4	<0.01	<0.01	<0.03	0.5	<1.3	3.3	0.07	18	<0.2	0.02		114	0.09				4		10.6	6.58	150	0	15	none	clear	none	
18-Oct-94	Coxhead Rd 2	<0.02	6.5	<0.01	<0.01	<0.03	0.3	<1.3	3.5	0.1	18	<0.2	<0.01		685	0.07				4.2		9.3	6.58	160	0	17	none	clear	none	
17-Feb-95	Coxhead Rd 2	0.19	12.9	<0.01	<0.01	<0.03	0.35	3.7	5.9	0.02	47.5	<0.2	0.04		92	0.05				2.9		9.6	7.24	300	0	19	none	clear	none	
13-Sep-95	Coxhead Rd 2	S 0.19	8.6	0.0002	0.002	0.02	0.86	1.7	3.7	0.09	18	0.006	0.027	-	15	0.08	-	-		4.3		0								
27-Mar-96	Coxhead Rd 2	B		0.003	0.07	0.31	110			1.4		0.55	3.3		6.3	0.009	0.14				14*	0.75	6.43	90	<1	18	slight	cloudy	grey	
29-Oct-96	Coxhead Rd 2	B	0.4		0.025	0.15	87					0.29	2.4	36		5.6		0.025	0.005		15	2.65	7.79	80	<1	20	nil	cloudy	grey	
7-Aug-98	Coxhead Rd 2	B	0.28	-	<0.0005	0.003	0.035	73	-	-	0.42	-	0.068	0.31	10	-	-	0.043	0.01	-	6.2	17.5	3.6	6.57	-	0.4	18	sl silty	cloudy	sl silty
23-Oct-98	Coxhead Rd 2	B	0.224	-	0.00062	0.0026	0.0357	58.4	-	-	0.802	-	0.0818	0.331	30	-	-	0.2	0.3	-	-	27.9	1.8	6.81	60	2	19	strong	opaque	blackish
23-Sep-94	Coxhead Rd 3	0.1	12	<0.01	<0.01	<0.03	0.3	<1.3	4.2	0.04	18	<0.2	0.06		316	<0.04				3		10.8	6.57	150	0	14	none	clear	none	
18-Oct-94	Coxhead Rd 3	<0.02	9.2	<0.01	<0.01	<0.03	0.1	<1.3	4.7	0.04	16	<0.2	<0.01		780	<0.04				3.5		9.6	6.56	175	0	17	none	clear	none	
17-Feb-95	Coxhead Rd 3	0.13	13.1	<0.01	0.02	<0.03	0.4	3.1	4.8	0.02	47.5	<0.2	0.05		202	0.07				2.8		11	7.02	296	0	19	none	clear	none	
Comparison Data																														
	blank	0.21	1.4	<0.01	<0.01	<0.03	0.14	1.3	0.2	0.006	3.1	<0.2																		
	sea water	3.3	337	<0.1	<0.1	<0.3	0.3	331	1077	0.07	9283	<2																		
	river water	<0.1	4.2	<0.01	<0.01	<0.03	5.9	6.1	7.5	0.13	24.4	<0.2																		
	Greenmount	22		<0.01	0.19	0.07	128			13		0.18																		
	ARC Trade Waste	25		1	30	10			20			10																		
	USEPA Fresh Acute			0.0039	0.016	0.18						0.083																		
	USEPA Marine Acute			0.043	1.1	0.0029						0.22																		
	ANZECC Freshwater			*0.0002	0.01	*0.002	1					*0.001																		
	ANZECC Marine			0.002	0.05	0.005						0.005																		

ORUARANGI RD

date collected location		B	Ca	Cd	Cr	Cu	Fe	K	Mg	Mn	Na	Pb	Zn	Cl	COD	NH4-N	Nitrite	Nitrate	NNN	Total N	TOC*	DO	pH	EC	salinity	temp	odour	clarity	colour	
		(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
5-Nov-96	Oruarangi 1	B	<0.1		0.035	0.018	25					0.047	0.059	140		0.43	0.026	0.85			3.9	2.9	6.36	80	<1	23	smelly	cloudy	grey	
Comparison Data																														
	blank		0.21	1.4	<0.01	<0.01	<0.03	0.14	1.3	0.2	0.006	3.1	<0.2	0.12	54	0.16				1.4		4.2	6.96	nt	0	22	none	opaque	light grey brown	
	sea water		3.3	337	<0.1	<0.1	<0.3	0.3	331	1077	0.07	9283	<2	0.02																
	river water		<0.1	4.2	<0.01	<0.01	<0.03	5.9	6.1	7.5	0.13	24.4	<0.2	0.4																
	Greenmount		22		<0.01	0.19	0.07	128			13		0.18	0.01																
	ARC Trade Waste		25		1	30	10				20		10	25	10500															
	USEPA Fresh Acute				0.0039	0.016	0.18						0.083	25																
	USEPA Marine Acute				0.043	1.1	0.0029						0.22	0.12																
	ANZECC Freshwater				*0.0002	0.01	*0.002	1					*0.001	0.095																
	ANZECC Marine				0.002	0.05	0.005						0.005	*0.005																

GREAT SOUTH RD

date collected	location	B (mg/l)	Ca (mg/l)	Cl (mg/l)	Cu (mg/l)	Fe (mg/l)	K (mg/l)	Mg (mg/l)	Mn (mg/l)	Na (mg/l)	Pb (mg/l)	Zn (mg/l)	Cl (mg/l)	COD (mg/l)	NH4-N (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	NNN (mg/l)	Total N (mg/l)	TOC* NPOC	DO	pH	EC salinity	temp	odour	clarity	colour				
26-Sep-94	Gr. Silt Rd 1	0.25	55	<0.01	<0.01	<0.03	2.4	5.8	0.3	56	<0.2	0.26		163	0.12				0.59		4.1	6.56	510	0	16	swamp	clear	none			
24-Feb-95	Gr. Silt Rd 1	0.5	75	0.06	<0.01	0.52	373	9.4	0.98	66	0.45	15.3		122	2.5				5.7		0.5	6.88	700	100	22	org.	opaque	dark grey			
12-Sep-95	Gr. Silt Rd 1	0.4	59	0.0009	0.002	0.015	11	8.3	0.8	47	0.013	0.49		35	0.35				0.75		0				0						
13-Nov-96	Gr. Silt Rd 1	0.3			0.016	0.074	33				0.11	0.26			0.32	<0.005	0.044				16	2.4	6.9	83	-	19.1	strong	sl. cldy	gr. black		
26-Sep-94	Gr. Silt Rd 2	0.38	75	<0.01	<0.01	<0.03	5.7	13	0.6	112	<0.2	0.13		265	0.34				0.97		5.4	6.62	680	0.3	15	swamp	clear	none			
24-Feb-95	Gr. Silt Rd 2	0.31	13.8	<0.01	<0.01	<0.03	2.8	2.5	0.06	13.9	<0.2	0.26		246	0.18				0.7		4	6.86	150	0	22	nil	clear	v. lt. yellow			
13-Nov-96	Gr. Silt Rd 2	<0.1			0.018	0.068	9.4				0.073	0.96			0.031	<0.005	0.052				14	5.1	5.82	3	-	18.5	mod.	sl. cldy	grey		
12-Sep-95	Gr. Silt Rd 3	0.35	32	0.0003	0.002	0.009	3.1	4.7	0.13	29	0.008	0.19		25	0.29				1.6		0										
30-Oct-96	Gr. Silt Rd 3	0.2			0.026	0.019	100				0.089	0.13			0.67	<0.005	0.017				7.3	2.95	5.62	31	<1	19	slight	cloudy	or. br.		
30-Oct-96	Gr. Silt Rd 4	1.5			0.07	0.11	37				0.11	0.73			0.005	0.016					22	2.7	6.76	800	5	20	strong	opaque	black		
14-May-96					0.002	0.01	0.08	46	1.2		0.05	1.7			2.9		0.007				10	0.95	6.98	100	<1	18	strong	opaque	black		
14-May-96					<0.001	<0.002	0.02	3.3	0.3		0.007	0.07			1.1		0.006				6	2	6.59	27	0	20	nil	clear	or. br.		
Comparison Data																															
	blank	0.21	1.4	<0.01	<0.01	<0.03	0.14	1.3	0.2	0.006	3.1	<0.2	0.02																		
	sea water	3.3	337	<0.1	<0.1	<0.3	0.3	331	10.7	0.07	0.283	<0.2	0.1																		
	river water	<0.1	4.2	<0.01	<0.01	<0.03	5.9	6.1	0.13	24.4	<0.2	0.01																			
	Cremona	2.2		<0.01	0.19	0.07	128		1.3		0.18	25		10500																	
	ARC Trade Waste	25		1	30	10			20		10	25																			
	UNEP A Fresh Acidic			0.0039	0.016	0.18					0.083	0.12																			
	UNEP A Marine Acidic			0.043	1.1	0.0029					0.22	0.095																			
	ANZECC Freshwater			*0.0002	0.01	*0.002	1				*0.001	*0.005																			
	ANZECC Marine			0.002	0.05	0.005					0.005	0.05																			

ROBERT ALLAN WAY

date collect	location	B	Ca	CD	Cr	Cu	Pg	K	Mg	Mn	Na	Pb	Zn	Cl	COD	NH4-N	Nitric	Nitrate	NNN	Total N	TOC*	DO	pH	EC	salinity	temp	odour	clarity	colour					
4-Apr-06	Robert Allan 2	B		<0.001	0.004	0.014	36			3.5		0.004	0.053			194		0.007			140	1.3	6.59	1950	6	18	slight	cloudy	light grey					
20-Dec-06	Robert Allan 2	B	1.4		0.031	0.028	89					0.064	0.069	5400		6.3	<0.005	0.016		1.9	19	4	6.72	1300	8	16	strong	cloudy	grey, blk					
27-Mar-08	Robert Allan 2	B	0.55		0.031	0.042	52			3.4		0.085	0.12	1100							28	3.8	7.1	-	2	15	nil	sl cloudy	blackish					
22-Dec-08	Robert Allan 2	B	0.59		<0.0005	0.007	37			4.89		0.014	0.02	2315			<0.01	0.7			26.8	3.2	7.01	550	50	20	mud	opaque	sk grey					
4-Apr-06	Robert Allan 3	B			0.002	0.008	3.2			4		0.003	0.04			6.6		0.007			27	1.6	6.3	1550	10	17	moderate	cloudy	light grey					
30-Dec-06	Robert Allan 3	B	0.5		0.011	0.025	120			2.2		0.005	0.032	2680		89	0.029	0.011			175	1	6.76	750	5	17	moderate	opaque	grey, blk					
27-Mar-08	Robert Allan 3	B	0.014		0.025	0.031	94					0.03	0.12	2300			0.002	<0.01		80	125	2.8	6.9	5	15	nil	sl cloudy	blackish						
22-Dec-08	Robert Allan 3	B	0.24		0.0006	0.008	133			3.45		0.059	0.16	2280			0.01	1.1			183	3.5	7.34	700	60	20	mud	sl cloudy	grey					
Comparison Data																																		
	blank		0.21		<0.01	<0.01	<0.03	0.14	1.3	0.2	0.006	3.1	<0.2	0.02																				
	river water		3.3		<0.1	<0.1	<0.3	0.3	107	0.07	9383	<2	0.4																					
	Groundwater		<0.1		<0.01	<0.01	5.9	6.1	7.5	0.13	24.4	<0.2	0.01									10500												
	AIRC Trade Waste		25		<0.01	0.19	0.07	128		13		0.18	35																					
	USEPA Freshwater		1		0.0039	0.016	10			20		0.063	0.12																					
	USEPA Marine Acidic		0.043		1.1	0.0029	1					0.001	0.095																					
	ANZECC Freshwater		0.002		0.05	0.005						0.005	0.05																					
	ANZECC Marine																																	

ENNIS AVE

date collected	location	B (ng/l)	Cu (ug/l)	Cd (ng/l)	Cr (ng/l)	Cu (ng/l)	Fe (ng/l)	K (mg/l)	Mg (mg/l)	Mn (mg/l)	Na (mg/l)	Pb (ng/l)	Zn (mg/l)	Cl (mg/l)	COD (mg/l)	NH4-N (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	NNN (mg/l)	Total N (mg/l)	TOC* NPOC	DO	pH	EC	salinity	temp	odour	clarity	colour	
2-Apr-96	Ennis Ave			<0.001	0.003	0.02	0.84			0.048		0.007	0.09			0.067		0.37			4.8	7.4	6.44	22	0	15	nil	clear	clear	
5-Nov-96	Ennis Ave	<0.1		0.001	0.005	4.7						<0.001	0.093	67		0.17	0.005	0.11			4.9	6.4	6.5	40.2	-	13.3	odour	clear	lt. br.	
Comparison Data																														
	blank	0.21	1.4	<0.01	<0.01	<0.03	0.14	1.3	0.2	0.006	3.1	<0.2	0.12		54	0.16					1.4		4.2	6.96	nt	0	22	none	opaque	light grey brown
	sea water	3.3	337	<0.1	<0.1	<0.3	0.3	331	1077	0.07	9283	<2	0.02																	
	river water	<0.1	4.2	<0.01	<0.01	<0.03	5.9	6.1	7.5	0.13	24.4	<0.2	0.4																	
	Greenmount	22		<0.01	0.19	0.07	128			13		0.18	0.01																	
	ARC Trade Waste	25		1	30	10				20		10	25		10500															
	UNEP Fresh Acute			0.0039	0.016	0.18						0.083	25																	
	UNEP Marine Acute			0.043	1.1	0.0029						0.22	0.12																	
	ANZECC Freshwater			*0.0002	0.01	*0.002	1					*0.001	0.095																	
	ANZECC Marine			0.002	0.05	0.005						0.005	*0.005																	

RECEIVED: 26 Sep 2012 SCANNED: 26 Sep 2012 BOX: 52 BATCH: 96494 DOC: ACLAAOZA

KIWI ESPLANADE

date collected	location	B (mg/ml)	Ca (mg/ml)	Cd (mg/ml)	Cr (mg/ml)	Cu (mg/ml)	Fe (mg/ml)	K (mg/ml)	Mg (mg/ml)	Mn (mg/ml)	Na (mg/ml)	Pb (mg/ml)	Zn (mg/ml)	Cl (mg/ml)	COD (mg/ml)	NH ₄ -N (mg/ml)	Nitrite (mg/ml)	Nitrate (mg/ml)	NNN (mg/ml)	Total N (mg/ml)	DO	TOC	pH	EC	salinity	temp	odour	clarity	colour	
28-Sep-94	Esplanade 1	0.28	32	<0.01	0.1	<0.03	1	21	56	0.06	446	<0.02	0.04		590	0.05				0.67	9.3		7.07	2550	1.8	14	none	clear	light greyish brown	
28-Oct-94	Esplanade 1	1.3	132	<0.01	0.14	<0.03	1.5	116	319	0.5	2836	<0.02	0.03		185	0.55				1.5	4.3		7.39	10000	7000	14	nil	clear	clear	
15-Feb-95	Esplanade 1	3.8	368	<0.1	0.44	2.1	0.31	343	1147	0.22	9610	>2	0.28		188	0.4				1.6	5.5		6.28	490	0	22	nil	clear	clear	
28-Sep-94	Esplanade 2	2.9	282	<0.1	0.33	<0.3	38	272	866	0.6	7020	<0.2	<0.1		95	0.69				5	9.7			29000	22	15	none	opaque	light greyish brown	
28-Oct-94	Esplanade 2	4.1	379	<0.1	0.7	<0.3	24	388	1195	0.5	10250	<0.2	0.08		70	0.09				4.2										
15-Feb-95	Esplanade 2	4	370	<0.1	0.47	0.3	2.4	368	1213	0.21	10302	<2	<0.1		52	0.62				1.3	12		N/T	15000	32000	22	nil	clear	clear	
Comparison Data																														
	blank	0.21	1.4	<0.01	<0.01	<0.03	0.14	1.3	0.2	0.006	3.1	<0.2	0.02																	
	sea water	3.3	337	<0.1	<0.1	<0.3	0.3	331	1077	0.07	9283	<2	0.4																	
	river water	<0.1	4.2	<0.01	<0.01	<0.03	5.9	6.1	7.5	0.13	24.4	<0.2	0.01																	
	Greenmount	22		<0.01	0.19	0.07	128			13		0.18	25		10500															
	ARC Trade Waste	25		1	30	10				20		10	25																	
	USEPA Fresh Acute			0.0039	0.016	0.18						0.083	0.12																	
	USEPA Marine Acute			0.043	1.1	0.0029						0.22	0.095																	
	ANZECC Freshwater			*0.0002	0.01	*0.002	1					*0.001	*0.005																	
	ANZECC Marine			0.002	0.05	0.005						0.005	0.05																	

RIVERHILLS SCHOOL

date collected	location	B	Ca	CD	Cr	Cu	Fe	K	Mg	Mn	Na	Pb	Zn	Cl	COD	NH-N	Nitrite	Nitrate	NNN	Total N	TOC	DO	pH	EC	salinity	temp	odour	clarity	colour		
07-Apr-06	Riverhills School	S		<0.001	<0.001	0.015	4.6			0.57		0.1	0.09			0.018	<0.003				3.2	5.6	6.37	32	0	17	nil	clear	clear		
	blank		0.21	<0.01	<0.01	<0.03	0.14	1.3	0.2	0.006	3.1	<0.2	0.02																		
	sea water		3.3	<0.1	<0.1	<0.3	0.3	331	1077	0.07	9383	<2	0.4																		
	river water		<0.1	<0.01	<0.01	<0.03	5.9	6.1	7.5	0.13	34.4	<0.2	0.01																		
	Greenmount		22	<0.01	0.19	0.07	128			13		0.18	25		10500																
	AIRC Trade Waste		23	1	30	10				20		10	25																		
	USRP 1 Fresh Aerie			0.0039	0.016	0.18						0.083	0.12																		
	USRP 1 Marine Aerie			0.043	1.1	0.0029						0.001	0.095																		
	ANZEC Freshwater			0.0002	0.01	0.002	1					0.001	0.005																		
	ANZEC Marine			0.002	0.05	0.005						0.005	0.05																		

TI RAKAU DR

date collected	location	B mg/l	Ca mg/l	Cd mg/l	Cr mg/l	Cu mg/l	Fe mg/l	K mg/l	Mg mg/l	Mn mg/l	Na mg/l	Pb mg/l	Zn mg/l	Cl mg/l	COD mg/l	NH ₄ -N mg/l	Nitrite mg/l	Nitrate mg/l	NNN mg/l	Total N mg/l	TOC* NPOC mg/l	DO	pH	EC	salinity	temp	odour	clarity	colour	
07-Apr-96	Ti Rakau 1	B		<0.001	0.008	0.018	3.9			0.25		0.074	0.064			0.022		0.42			17	2.1	6.4	35	0	18	slight	opaque	gr brown	
06-Nov-96	Ti Rakau 1	B	0.1		0.008	0.008	8					0.014	0.016	54		0.29	0.007	0.059			13	3.7	6.62	70	<1	18	mod.	cloudy	gr. black	
	blank		0.21	1.4	<0.01	<0.01	<0.03	0.14	1.3	0.2	0.006	3.1	<0.2	0.02																
	sea water		3.3	337	<0.1	<0.1	<0.3	0.3	331	1077	0.07	9283	<2	0.4																
	river water		<0.1	4.2	<0.01	<0.01	<0.03	5.9	6.1	7.5	0.13	24.4	<0.2	0.01																
	Greenmount		22		<0.01	0.19	0.07	128					0.18	25	10500															
	ARC Trade Waste		25		1	30	10					20	10	25																
	USEPA Fresh Acute				0.0039	0.016	0.18						0.083	0.12																
	USEPA Marine Acute				0.043	1.1	0.0029						0.22	0.095																
	ANZECC Freshwater				*0.0002	0.01	*0.002	1					*0.001	*0.005																
	ANZECC Marine				0.002	0.05	0.005						0.005	0.05																

HARANIA RD

date collected	location	B mg/l	Ca mg/l	Cd mg/l	Cr mg/l	Cu mg/l	Fe mg/l	K mg/l	Mg mg/l	Mn mg/l	Na mg/l	Pb mg/l	Zn mg/l	Cl mg/l	COD mg/l	NH ₄ -N mg/l	Nitrite mg/l	Nitrate mg/l	NNN mg/l	Total N mg/l	TOC* NPOC	DO	pH	EC	salinity	temp	odour	clarity	colour	
26-Sep-94	Harania Rd 1	0.08	12	<0.01	<0.02	<0.03	0.4	3	7	0.04	18	<0.2	0.07		137	<0.04				8.2		9	6.28	190	0	15	nil	clear	clear	
17-Oct-94	Harania Rd 1	<0.02	10	<0.01	<0.02	<0.03	0.2	4.3	7	<0.02	16	<0.2	0.1		20	0.07				6.8		5.8	6.55	165	0	17	nil	clear	clear	
17-Feb-95	Harania Rd 1	0.12	32	<0.01	<0.02	<0.03	0.65	11.1	24.5	0.71	45	<0.2	0.17		112	0.13				31		8	6.67	92	0	19	nil	clear	nil	
26-Sep-94	Harania Rd 2	0.07	9	<0.01	<0.02	<0.03	0.3	0.7	5	<0.02	16	<0.2	0.04		84	<0.04				4.2		6.1	6.35	140	0	15	nil	clear	clear	
17-Feb-95	Harania Rd 2	0.13	36.5	<0.01	<0.02	<0.03	6.8	17.3	33.5	2.5	118	<0.2	0.29		70	0.24				28		1.6	6.46	93	0	18	nil	fair	nil	
07-Apr-96	Harania Rd 2	B		<0.001	0.002	0.008	0.38			0.031			0.079	0.068		0.13		0.004			3.2*	2.3	4.97	20	0	20	slight	sl. cloudy	or. / br.	
25-Oct-96	Harania Rd 2	B	0.1		0.14	0.014	13					0.019	0.033	19		0.5	<0.005	0.028			7.4	2.95	8.37	23	<1	20	slight	sl. cloudy	gr. / br.	
13-Sep-95	Harania Rd 2	S	0.28	76	0.0072	0.4	0.99	340	25	38	25	37	3	7.2	-	20	0.92	-	-		27		0							
14-May-96	Harania Rd 2	S		<0.001	<0.002	0.03	0.82			0.4			0.01	0.12		1.6		8.7			3.6*	2.45	6.65	32	0	18	nil	clear	clear	
26-Nov-96	Harania Rd 2	S	0.1		<0.001	0.01	0.16					<0.001	0.089	97		<0.01	0.04	13			3.3	3.6	6.04	49	0	17	none	clear	clear	
26-Sep-94	Harania Rd 3	0.19	9	<0.01	<0.02	<0.03	0.5	1.6	7	0.03	34	<0.2	0.05		35	<0.04				4		8	6.35	242	0	15	nil	clear	clear	
17-Oct-94	Harania Rd 3	<0.02	12	<0.01	<0.02	<0.03	0.2	4.3	10	<0.02	30	<0.2	0.04		195	<0.04				7		6.7	6.82	261	0	17	nil	clear	clear	
17-Feb-95	Harania Rd 3	0.84	90	<0.01	0.03	<0.03	1.5	75	233	1	2019	<0.2	0.09		46	0.27				9		6.2	6.38	540	0	19	nil	clear	nil	
07-Apr-96	Harania Rd 3	B		<0.001	0.002	0.008	4.8			0.003		2.6	0.04			7.1		<0.003			23*	0.35	6.29	130	<1	22	slight	cloudy	gr. / br.	
25-Oct-96	Harania Rd 3	B	0.5		0.039	0.039	120					0.049	0.1	520		5.5	0.032	0.039			33	1.75	8.08	195	1	18	strong	opaque	gr. / blk	
26-Sep-94	Harania Rd 4	0.43	17	<0.01	<0.02	<0.03	0.5	2.7	10	0.15	26	<0.2	0.06		181	0.5				11		8.2	5.97	240	0	15	nil	clear	clear	
17-Oct-94	Harania Rd 4	<0.02	12	<0.01	<0.02	<0.03	0.9	2.9	7	0.16	19	<0.2	0.26		335	0.24				6.7		6	6.62	102	0	16	nil	clear	clear	
17-Feb-95	Harania Rd 4	0.4	123	<0.01	<0.02	<0.03	3	131	62	0.39	139	<0.2	0.58		110	0.22				83		8.2	6.38	540	0	18	nil	clear	nil	
13-Sep-95	Harania Rd 4	S	0.41	18	0.0003	0.003	0.014	1.8	8.5	13	0.15	59	0.013	0.14	-	40	0.11	-	-		12		0							
17-Feb-95	Harania Rd 5	0.3	85	<0.01	<0.02	<0.03	2.7	89	39	0.29	57	<0.2	0.36		98	0.19				44		9	6.41	19	0	19	nil	clear	nil	
07-Apr-96	Harania Rd 5	B		<0.001	0.03	0.045	6.6			0.023		0.18	0.052			<0.006		<0.003			0.2*	3	5.52	90	<1	21	slight	sl. cloudy	or. / br.	
25-Oct-96	Harania Rd 5	B	0.4		0.09	0.091	23					0.076	0.15	170		0.22	0.005	0.061			32	3.2	5.15	80	0	19	strong	opaque	brown	
17-Feb-95	Harania Rd 6	0.14	9.5	<0.01	<0.02	<0.03	1.9	3.7	2.6	0.2	25.5	<0.2	0.05		185	0.91				2.1		2	6.81	21	0	21	nil	clear	nil	
Comparison Data																														
	blank	0.21	1.4	<0.01	<0.01	<0.03	0.14	1.3	0.2	0.006	3.1	<0.2	0.02																	
	sea water	3.3	337	<0.1	<0.1	<0.3	0.3	331	1077	0.07	9283	<2	0.4																	
	river water	<0.1	4.2	<0.01	<0.01	<0.03	5.9	6.1	7.5	0.13	24.4	<0.2	0.01																	
	Greenmount	22		<0.01	0.19	0.07	128					0.18	25		10500															
	ARC Trade Waste	25		1	30	10						10	25																	
	USEPA Fresh Acute			0.0039	0.016	0.18						0.083	0.12																	
	USEPA Marine Acute			0.043	1.1	0.0029						0.22	0.095																	
	ANZECC Freshwater			*0.0002	0.01	*0.002	1					*0.001	*0.005																	
	ANZECC Marine			0.002	0.05	0.005						0.005	0.05																	

BAIRDS RD

date collected	location	B mg/l	Ca mg/l	Cd mg/l	Cr mg/l	Cu mg/l	Fe mg/l	K mg/l	Mg mg/l	Mn mg/l	Na mg/l	Pb mg/l	Zn mg/l	Cl mg/l	COD mg/l	NH ₄ -N mg/l	Nitrite mg/l	Nitrate mg/l	NNN mg/l	Total N mg/l	TOC	DO
23-Sep-94	Bairds Rd 1	0.13	9.5	<0.01	<0.02	<0.03	0.6	<1.3	4.5	0.12	19	<0.2	0.1		1730	0.05				1.9		8.4
15-Feb-95	Bairds Rd 1	0.19	11.3	<0.01	0.03	0.16	1.7	3.4	5	0.06	32.5	<0.2	<0.1		1300	0.27				0.7		3
23-Sep-94	Bairds Rd 2	0.23	16.2	<0.01	<0.02	<0.03	4	<1.3	6	0.35	25	<0.2	0.08		247	0.09				1.5		6
12-Sep-95	Bairds Rd 2	S 0.62	50	0.0002	0.003	0.009	30	2.1	9.7	2.9	33	0.023	0.05	-	30	0.11	-	-		0.57		0
23-Sep-94	Bairds Rd 3	0.3	9.7	<0.01	<0.02	<0.03	0.7	<1.3	4.5	0.12	20	<0.2	0.12		549	<0.04				1.8		8.6
15-Feb-95	Bairds Rd 3	0.12	11	<0.01	0.03	0.08	1.4	2.6	4	0.11	25.5	<0.2	0.06		256	0.17				0.5		3.5
Comparison Data																						
	blank	0.21	1.4	<0.01	<0.01	<0.03	0.14	1.3	0.2	0.006	3.1	<0.2	0.02									
	sea water	3.3	337	<0.1	<0.1	<0.3	0.3	331	1077	0.07	9283	<2	0.4									
	river water	<0.1	4.2	<0.01	<0.01	<0.03	5.9	6.1	7.5	0.13	24.4	<0.2	0.01									
	Greenmount	22		<0.01	0.19	0.07	128			13		0.18	25		10500							
	ARC Trade Waste	25		1	30	10				20		10	25									
	USEPA Fresh Acute			0.0039	0.016	0.18						0.083	0.12									
	USEPA Marine Acute			0.043	1.1	0.0029						0.22	0.095									
	ANZECC Freshwater			*0.0002	0.01	*0.002	1					*0.001	*0.005									
	ANZECC Marine			0.002	0.05	0.005						0.005	0.05									

OLD QUARRY RD

Date collected	Location	B (mg/l)	Ca (mg/l)	Cd (mg/l)	Cr (mg/l)	Cu (mg/l)	Fe (mg/l)	K (mg/l)	Mg (mg/l)	Mn (mg/l)	Na (mg/l)	Pb (mg/l)	Zn (mg/l)	Cl (mg/l)	COD (mg/l)	NH4-N (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	NNN (mg/l)	Total N (mg/l)	TOC	DO	pH	EC	salinity	temp	odour	clarity	colour	
26-Sep-94	Coronation Rd 1	S	0.03	10	<0.01	<0.01	<0.03	2.5	<1.3	5.1	0.08	17	<0.2	0.05	145	0.07				2.5		9.8	6.49	135	0	17	none	opaque	light greyish brown	
17-Oct-94	Coronation Rd 1	S	<0.02	16	<0.01	<0.01	<0.03	0.5	2.3	9	0.02	30	<0.2	0.1	63	0.07				3.5		8.3	6.85	230	0	16	none	clear	clear	
26-Sep-94	Coronation Rd 2	S	0.04	9	<0.01	<0.01	<0.03	2.4	<1.3	5.9	0.06	16	<0.2	0.04	<2	<0.04				2.5		10.2	6.53	140	0	15	none	clear	light greyish brown	
17-Oct-94	Coronation Rd 2	S	<0.02	16	<0.01	<0.01	<0.03	0.7	2.1	9	0.04	33	<0.2	0.02	210	0.07				3.3		7.8	6.73	248	0	15	none	clear	clear	
26-Sep-94	Coronation Rd 3	S	0.2	75	<0.01	<0.01	<0.03	42	5.9	47	2.4	70	<0.2	0.2	38	0.88				1.8		2.2	6.03	800	0.5	14	none	clear	light greyish brown	
17-Oct-94	Coronation Rd 3	S	<0.02	80	<0.01	<0.01	<0.03	35	7.7	47	2.2	63	<0.2	0.1	355	0.74				1.5		4.3	6.37	1800	500	15	dull org	susp rust	clear	
26-Sep-94	Coronation Rd 4	S	0.24	83	<0.01	0.02	<0.03	27	5.1	50	1.8	55	<0.2	<0.01	102	1.3				1.7		2.5	6.22	800	0.5	17	none	clear	light greyish brown	
17-Oct-94	Coronation Rd 4	S	0.2	85	<0.01	<0.01	<0.03	30	8	49	1.6	58	<0.2	<0.01	170	1.2				1.7		2.8	6.47	8000	500	17	dull org	susp rust	clear	
14-May-96	Old Quarry Rd	S			<0.001	<0.002	0.02	2.1			0.7		0.008	0.04							5.8	2.65	6.95	750	<1	20	slight	clear	lt. orange	
24-Feb-96	Old Quarry Rd 1	S	0.27	9.2	<0.01	<0.01	<0.03	3	2.7	4.9	0.08	27.5	<0.2	0.08	80	0.2				1.3		4	7.01	nt	0	22	none	opaque	light grey brown	
24-Feb-96	Old Quarry Rd 2	S	0.26	9.6	<0.01	<0.01	<0.03	3	4	6	0.07	41	<0.2	0.12	54	0.16				1.4		4.2	6.96	nt	0	22	none	opaque	light grey brown	
12-Sep-95	Old Quarry Rd 3	S	0.39	75	0.0005	0.005	0.011	46	8.1	41	1.6	64	0.024	0.088	50	0.54				1.3		0.5								
12-Sep-95	Old Quarry Rd 4	S	0.46	170	0.0028	0.16	0.24	1800	17	82	5.5	79	1.1	2	440	0.49				2.9		0.5								
Comparison Data																														
	blank		0.21	1.4	<0.01	<0.01	<0.03	0.14	1.3	0.2	0.006	3.1	<0.2	0.12	54	0.16				1.4		4.2	6.96	nt	0	22	none	opaque	light grey brown	
	sea water		3.3	337	<0.1	<0.1	<0.3	0.3	331	1077	0.07	9283	<2	0.02																
	river water		<0.1	4.2	<0.01	<0.01	<0.03	5.9	6.1	7.5	0.13	24.4	<0.2	0.4																
	Greenmount		22		<0.01	0.19	0.07	128			13		0.18	0.01																
	ARC Trade Waste		25		1	30	10			20		10	25	10500																
	USEPA Fresh Acute				0.0039	0.016	0.18					0.083	25																	
	USEPA Marine Acute				0.043	1.1	0.0029					0.22	0.12																	
	ANZECC Freshwater				*0.0002	0.01	*0.002	1				*0.001	0.095																	
	ANZECC Marine				0.002	0.05	0.005					0.005	*0.005																	