

Appendix 10B Surface Water Quality Data

Averages for select parameter recorded at various NRW monitoring locations on the Nant Muchudd and Afon Elai

Watercourse	Nant Muchudd		Afon Elai
Station Number**	S68056	S68569	S68423
NGR	ST0390084800	ST0025090500	ST0089088300
Date range	1980-1986	1985-1986	1983-1984
pH	7.59		7.84
Temperature (°C)	9.80	13	10.63
DO (mg/l)	10.44		10.27
BOD (mg/l)	1.75		2.00
Ammoniacal Nitrogen (mg/l)	0.12		0.23
Orthophosphate (mg/l)	0.07		0.06
Nitrogen (oxidised) (mg/l)	1.48		0.83
Chloride Ion (mg/l)	11.47		13.87
Phosphate (mg/l)			

Averages for select parameter recorded at various NRW monitoring locations on the Afon Rhondda Fawr, Afon Rhondda Fach and Afon Rhondda

Watercourse	Afon Rhondda Fawr	Afon Rhondda Fach			Afon Rhondda		
Station Number**	S68196	S68202	S68205	S68208	S17019	S17197	S68207
NGR	ST0050091900	ST0100094400	ST0240091600	ST0540090800	ST0543090890	ST0675690299	ST0430091100
Date range	1980-1986	1980, 1986	1980, 1986	1980-1986	1971-1981	1970-2022	1980, 1986
pH	7.63	7.81	8.00	7.83	7.78	7.87	7.81
Temperature (°C)	14.25	9.00	9.00	9.25	11.02	10.62	9.00
DO (mg/l)	4.90			10.20	10.59	11.06	
BOD (mg/l)	3.37	4.71	2.11	1.73	2.76	2.17	2.23
Ammoniacal Nitrogen (mg/l)	0.24	0.56	0.05	0.07	0.20	0.09	0.12
Orthophosphate (mg/l)	0.09	0.24	0.12	0.38	0.20	0.06	0.07
Nitrogen (oxidised) (mg/l)	0.44	0.84	0.82	0.56	0.76	0.59	0.54
Chloride Ion (mg/l)	14.10	13.88	12.18	10.94	15.51	12.81	10.59
Phosphate (mg/l)						0.05	