Table 1. Infiltration and abstraction of major UK aquifers in million m^3 per year (after Downing, 1993)

	Infiltration	**Abstraction in 1977**
Chalk	4631	1255
Lower Greensand	275	86
Lincolnshire Limestone	86	43
Triassic sandstone	1443	587

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Table 2. Statistical summary of methane data from potable groundwaters

	Chalk	Lower Greensand	Lincolnshire Limestone	Triassic Sandstone
Samples	44	20	9	12
Mean (µg/l)	2.81	7.89	4.42	39.5
Median (µg/l)	0.94	7.66	2.60	0.465
Standard deviation (µg/l)	7.17	6.27	6.50	134
Minimum (µg/l)	<0.05	<0.05	0.05	<0.05
Maximum (µg/l)	42.9	22.0	21.2	465
Confidence level (95.0%)	2.18	2.94	5.00	85.2

Table 3. Methane concentrations from crystalline rocks in Scotland

Site	Rock Type	Methane (μg/l)
Cruachan	Caledonian granodiorite	<0.05
Foyers	Caledonian granodiorite	0.09
Glenmoriston	Moine metasediments	<0.05
South Lawers	Dalradian metasediments	<0.05

Table 4. High methane concentration groundwaters not from public-supply sources

Site	Rock Type	Methane (µg/l)
Stow 4[a]	Lincolnshire Limestone	1700
Stow 6[a]	Lincolnshire Limestone	2300
Marchwood geothermal	Sherwood Sandstone, Southampton	7790
Western Esplanade geothermal	Sherwood Sandstone, Southampton	5540

[a]Data from Bishop and Lloyd, 1990

Table 5. Atmospheric emissions of methane based on abstractions from potable UK groundwaters

	Abstraction (m^3/yr)	Methane (µg/l)		Emissions (Tg/yr)	
		Median	Max	Median	Max
Chalk	1.26×10^9	0.94	42.9	1.17×10^{-6}	5.38×10^{-6}
Lower Greensand	8.60×10^7	7.66	22.0	6.59×10^{-7}	1.89×10^{-6}
Lincolnshire Limestone	4.30×10^7	2.6	21.2	1.12×10^{-7}	9.12×10^{-7}
Triassic sandstone	5.87×10^8	0.47	465	2.73×10^{-7}	2.73×10^{-4}
SUM	1.97×10^9			2.22×10^{-6}	3.30×10^{-4}