

Table S1. Details on sample dates and environmental conditions

Lake	sample code	sampling date	Temp [°C]	Cond [$\mu\text{S cm}^{-1}$]	pH
Fuschlsee	FU 16	18.4.06	6.40	372.00	7.41
	FU 18	2.5.06	9.60	330.00	7.92
	FU 20	15.5.06	12.10	321.00	7.80
	FU 22	31.5.06	10.90	311.67	7.97
	FU 24	12.6.06	17.00	316.67	8.35
	FU 26	26.6.06	24.20	306.00	8.16
	FU 28	10.7.06	22.70	307.33	8.05
	FU 29	21.7.06	24.90	310.00	8.07
	FU 32	7.8.06	18.60	288.00	8.15
	FU 34	21.8.06	18.20	289.67	8.27
	FU 36	4.9.06	16.90	302.00	8.16
	FU 38	18.9.06	17.90	280.67	8.16
	FU 40	2.10.06	17.40	248.00	8.19
	FU 42	16.10.06	14.17	252.00	8.17
	FU 44	30.10.06	13.10	247.33	8.05
	FU 46	15.11.06	8.60	315.00	7.96
	FU 48	27.11.06	8.30	299.67	7.99
	FU 50	11.12.06	6.40	275.00	7.94
	Fu 13/07	28.3.07	5.20	323.00	8.05
	Fu16/07	16.4.07	11.0	263.33	8.23
	Fu19/07	7.5.07	14.4	312.67	8.4
	Fu22/07	30.5.07	15.2	309.00	8.17
	Fu25/07	21.6.07	21.5	317.33	8.15
	Fu28/07	9.7.07	18.4	292.00	8.34
	Fu31/07	31.7.07	19.6	288.67	8.2
	Fu34/07	22.8.07	20.0	256.33	8.15
	Fu37/07	13.8.07	15.5	267.67	7.5
Wallersee	WA 16	18.4.06	12.90	378.00	7.38
	WA 18	2.5.06	15.40	349.00	7.94
	WA 20	15.5.06	15.60	359.67	7.78
	WA 22	31.5.06	11.40	347.67	8.03
	WA 24	12.6.06	18.20	354.67	8.06
	WA 26	26.6.06	26.30	337.33	8.16
	WA 28	10.7.06	26.80	331.33	8.41
	WA 29	21.7.06	29.50	334.67	8.13
	WA 32	7.8.06	18.00	323.33	7.95
	WA 34	21.8.06	20.00	322.67	8.34
	WA 36	4.9.06	18.20	324.33	7.99
	WA 38	18.9.06	17.90	311.00	8.02
	WA 40	2.10.06	20.00	274.33	8.06
	WA 42	16.10.06	14.80	291.33	7.91
	WA 46	15.11.06	8.80	334.33	7.70
	WA 48	27.11.06	10.00	332.67	7.76
	WA 50	11.12.06	8.30	304.00	7.95
Augstsee	AU 28	12.7.06	15.60	73.33	7.48
	AU 30	24.7.06	20.20	76.00	7.71
	AU 32	8.8.06	10.00	94.00	7.38
	AU 34	22.8.06	12.00	86.67	7.70
	AU 36	6.9.06	16.90	94.00	7.63
	AU 38	19.9.06	10.00	91.67	7.33
	AU 40	4.10.06	11.30	101.67	7.64
	AU 42	17.10.06	10.50	83.67	7.55
	AU 44	31.10.06	8.10	93.00	7.15