

Supplement 1. Black carbon concentrations for profiles 1900, 1997 and 2004

Sampling year	Depth cm	Black carbon g kg ⁻¹ dry weight
1900	0-5	7.62
	5-12	6.32
	12-20	5.78
	20-36	4.91
	36-50	4.17
	50-65	2.11
	65-78	1.15
	78-100	0.01
	100-120	0.03
	120-134	0.01
1997	0-5	5.10
	5-13	4.99
	13-21	5.17
	21-37	4.38
	37-45	3.26
	45-53	2.30
	53-68	0.18
	68-90	0.02
	90-107	0.01
	107-130	0.01
2004	0-5	6.11
	5-20	7.48
	20-50	2.35
	50-80	0.78
	80-100	0.01