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Late Quaternary climate variability at Mfabeni peatland, eastern South Africa

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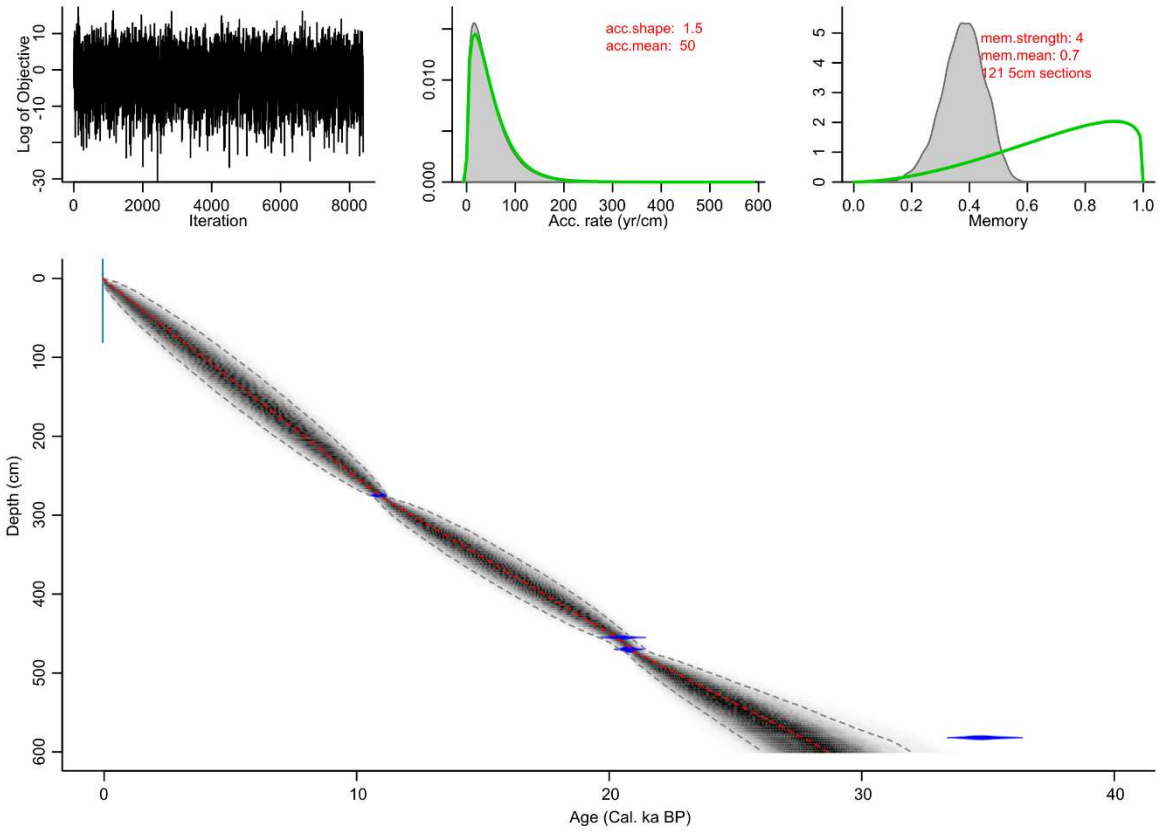
Supplementary material (S1) Mfabeni ages

Lab Code	Depth (cm)	Corrected depth (cm)	^{14}C age (yrs BP)	Error (±yrs)	95% prob. Range (cal yr BP)	Calibration Curve
Beta-373167	7	23	103.9[a]	0.3	AD 1956.35–1957.82 (95%)	Postbomb SH
Beta-392496	9.5	30.5	101.8[b]	0.3	AD 1956.15–1957.31 (95%)	Postbomb SH
Beta-373168	12	41	510	30	492.53–540.47 (95%)	ShCal13
Beta-392497	16	54	1720	30	1526.86–1624.38 (75.7%)	ShCal13
					1648.48–1699.62 (19.3%)	
Beta-373169	20	67	1990	30	1830.25–1937.85 (78.1%)	ShCal13
					1951.27–1996.23 (16.9%)	
Beta-323413	27	76	2320	30	2164.03–2166.29 (0.4%)	ShCal13
					2177.48–2263.33 (38.1%)	
					2297.04–2353.49 (56.5%)	
Beta-373170	39	86	2540	30	2438.21–2451.01 (1.1%)	ShCal13
					2456.01–2739.67 (93.9%)	
LuS 10519	47	91	2725	45	2740.38–2876.4 (95%)	ShCal13
Beta-373171	59	115.5	2800	30	2775.78–2944.74 (95%)	ShCal13
Beta-392498	63	183	6120	30	6796.84–6819.65 (3.2%)	ShCal13
					6830.62–7021.97 (87.4%)	
					7121.26–7152.08 (4.3%)	
LuS10520	67	250.5	5790	50	6414.05–6426.58 (1.7%)	ShCal13
					6433.42–6662.35 (93.3%)	
Beta-403739	69	272	9360	30	10409–10602 (90.2%)	ShCal13
					10620–10652 (4.7%)	
Beta-403740	74	346.5	11930	40	13570–13782 (95%)	ShCal13
Beta-392499	77	356	11930	40	13569.92–13782.1 (95%)	ShCal13
Beta-392500	84	384.5	14220	50	17072.39–17468.19 (95%)	ShCal13
Beta-323414	89	393	14300	60	17141.32–17560.89 (95%)	ShCal13
Beta-373172	108	430	17260	70	20555.04–20984.4 (95%)	ShCal13
LuS10521	137	465	20000	120	23703.31–24314.39 (95%)	ShCal13
Beta-373173	149	535	25060	120	28749.24–29393.58 (95%)	ShCal13
Beta-323415	167	586	27930	170	31255.99–32125.91 (95%)	ShCal13
Beta-323416	240	633	29020	170	32766.54–33614.64 (95%)	ShCal13
Beta-323417	296	661.5	31430	220	34813.57–35739.22 (95%)	ShCal13
Beta-323418	347	693.5	33400	250	36861.55–38376.2 (95%)	ShCal13
Beta-323412	427	755.5	38050	430	41734.76–42766.48 (95%)	ShCal13

[a] Modern age, expressed as percent modern carbon (pMC), equals –307±23 ^{14}C yrs BP.
[b] Modern age, expressed as percent modern carbon (pMC), equals –143±24 ^{14}C yrs BP.

Supplementary material (S2)

Fig. 1. Depth-age model of core MF1 (Finch and Hill, 2008), produced using Bacon, based on four ^{14}C dates calibrated using SHCal13 (Hogg et al. 2014), and assuming a surface age of 2004 cal yr AD when the core was extracted. Blue symbols are ^{14}C dates and grey shading indicates 95% confidence interval on the mean age (red line). This age model is used to plot the pollen data from MF1 in Fig. 6.



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