



Corrigendum

Julia B. Gaudinski, Susan E. Trumbore, Eric A. Davidson & Shuhui Zheng:
Soil carbon cycling in a temperate forest: radiocarbon-based estimates of residence times, sequestration rates and partitioning of fluxes; *Biogeochemistry* 51:1 (2000), pp. 33–69.

Readers are requested to take note of the corrected Table 2 (see following page).

Corrigendum for Table 2 (Bold Values indicate correct numbers relative to published version).*Table 2.* Calculation of high and low density decomposition fluxes with associated $\Delta^{14}\text{C}$ and measured profile $\Delta^{14}\text{C}$.

Horizon	Stock (g C m ⁻²)	$\Delta^{14}\text{C}$ of SOM ¹ (‰)	Turnover time ² (years)	CO ₂ flux (g C m ⁻² yr ⁻¹)	Flux horizon total (g C m ⁻² yr ⁻¹)	$\Delta^{14}\text{C}$ of SOM horizon total (‰)	Measured profile $\Delta^{14}\text{C}$ ³ (‰)
Oi (L _L)	380	132 (8)	4	25–95 ⁴	60–130	151–172	136
Oe + Oa (L _R)	230	188 ⁵	NA	NA			
Oe + Oa (H)	1410	201 (19) ⁶	40	35			
A (L _R)	60	216 ⁵	NA	NA	<22	111	130
A (H)	1780	121 ⁷	73 to >100 ⁸	<18			
A (M)	560	68 (26)	130 to >200 ⁸	<4			
Ap (H)	790	24.5 (28)	220	4	8	-3	-
Ap (M)	1760	-31 (20)	480	4			
Bw1 (H)	40	-97 (18)	990	0.04	<2	-118	131
Bw1 (M)	1200	-119 (17)	1200	1			
Bw2 (H)	5	-129 (40)	1300	0.004	<1	-171	128
Bw2 (M)	500	-172 (4)	1760	0.3			

NA = Not applicable, see text for details.

- = no data.

¹ Values are the average for two pits with range in parenthesis.² A non-steady state model is used for the Oe + Oa and A horizons and a steady state model used for Oi, Ap and deeper horizons.³ Represents an annual concentration weighted average of the measured $\Delta^{14}\text{C}$ in CO₂ at the boundary with the horizon below.⁴ Represents a range based on assuming all loss is as CO₂ or that 100% of inputs to the H + M fractions are from leaf litter.⁵ Represents the $\Delta^{14}\text{C}$ samples picked for dead roots ($n = 1$).⁶ Represents the humified organic material after quantitative root picking for the Oe + Oa ($n = 2$).⁷ Represents a weighted $\Delta^{14}\text{C}$ value for the two humified (H) components shown in Figure 7(B), also see text for discussion.⁸ Range reflects that the $\Delta^{14}\text{C}$ values may include pre-disturbance C. The minimum represents the steady state case.