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Soil Research

Supplementary Material

Gravel-associated organic material is important to quantify soil carbon and nitrogen stocks to depth in an agricultural cropping soil

Clive A. Kirkby[A], *John A. Kirkegaard*[A], *and Alan E. Richardson*[A,*]

[A]CSIRO Agriculture & Food, GPO Box 1700, Canberra, ACT 2601, Australia.

[*]Correspondence to: Alan E. Richardson CSIRO Agriculture & Food, GPO Box 1700, Canberra, ACT 2601, Australia Email: alan.richardson@csiro.au

Table S1. Carbon and nitrogen concentrations (%) in fine earth fraction soil and gravel coarse fraction: Statistical analysis (probability level) applied to Figure 3.

Depth (cm)	C%			N%		
	Component	Nutrient	C x N	Component	Nutrient	C x N
5	<0.001	0.01	0.008	<0.001	0.02	0.05
15	<0.001	0.07	0.07	0.002	0.08	ns
25	<0.001	0.03	0.01	0.006	ns	ns
45	<0.001	ns	ns	0.07	ns	ns
75	0.06	0.02	ns	ns	0.05	ns
105	0.05	0.07	ns	ns	ns	ns
135	0.003	0.04	ns	ns	ns	ns
155	0.05	0.07	ns	ns	0.04	ns

Table S2. Carbon and nitrogen stocks (tonnes/ha) in fine earth fraction soil and gravel coarse fraction: Statistical analysis (probability level) applied to Figure 5.

Depth (cm)	C Load (t/ha)			N Load (t/ha)		
	Component	Nutrient	C x N	Component	Nutrient	C x N
5	<0.001	0.04	0.04	<0.001	0.02	0.02
15	<0.001	0.07	0.07	<0.001	0.06	0.06
25	<0.001	0.04	0.04	<0.001	ns	ns
45	<0.001	ns	ns	<0.001	ns	ns
75	<0.001	0.02	0.08	<0.001	0.07	ns
105	<0.001	0.06	ns	<0.001	ns	ns
135	<0.001	ns	ns	0.002	0.08	ns
155	0.002	0.05	ns	0.008	0.01	ns