

Table S2. Midpoint soil inorganic carbon (SIC) storage by soil order and county for the state of New Jersey (USA).

County	Total SIC Storage (kg) (%)	Degree of Weathering and Soil Development					
		Slight			Moderate	Strong	
		Entisols	Inceptisols	Histosols	Alfisols	Spodosols	Ultisols
		Total SIC Storage (kg), (% of Total by County)					
Atlantic	3.7×10^9 (8)	3.0×10^9 (80)	5.4×10^8 (14)	1.7×10^5 (0)	0	1.9×10^8 (5)	0
Bergen	1.1×10^9 (2)	2.4×10^8 (23)	2.4×10^8 (23)	1.6×10^8 (15)	4.2×10^8 (39)	0	0
Burlington	3.8×10^9 (9)	3.1×10^9 (82)	2.2×10^8 (6)	3.8×10^8 (10)	2.1×10^5 (0)	1.0×10^8 (3)	0
Camden	1.2×10^9 (3)	8.9×10^8 (75)	2.4×10^8 (21)	1.4×10^7 (1)	0	3.3×10^7 (3)	0
Cape May	1.6×10^9 (4)	6.0×10^8 (36)	9.3×10^8 (57)	5.4×10^7 (3)	0	6.0×10^7 (4)	0
Cumberland	2.1×10^9 (5)	7.3×10^8 (36)	1.1×10^9 (52)	2.0×10^8 (10)	0	6.1×10^7 (3)	0
Essex	1.2×10^9 (3)	3.2×10^8 (28)	5.2×10^8 (45)	6.2×10^6 (1)	3.0×10^8 (26)	0	0
Gloucester	7.5×10^8 (2)	4.8×10^8 (63)	1.0×10^8 (14)	1.7×10^8 (23)	0	2.6×10^6 (0)	0
Hudson	1.9×10^8 (0)	6.7×10^7 (36)	9.8×10^7 (53)	1.7×10^7 (9)	2.3×10^6 (1)	0	0
Hunterdon	2.9×10^9 (7)	7.0×10^7 (2)	1.1×10^9 (39)	0	1.7×10^9 (59)	0	0
Mercer	1.3×10^9 (3)	2.6×10^8 (21)	1.8×10^8 (14)	1.1×10^5 (0)	8.3×10^8 (65)	3.6 (0)	0
Middlesex	1.4×10^9 (3)	6.0×10^8 (42)	3.2×10^8 (22)	1.2×10^8 (9)	3.6×10^8 (26)	2.1×10^7 (2)	0
Monmouth	1.9×10^9 (4)	1.4×10^9 (70)	5.5×10^8 (28)	1.6×10^6 (0)	0	3.9×10^7 (2)	0
Morris	3.2×10^9 (7)	1.7×10^8 (5)	2.3×10^9 (72)	1.2×10^8 (4)	6.0×10^8 (19)	0	0
Ocean	4.8×10^9 (11)	3.7×10^9 (78)	8.5×10^8 (18)	2.5×10^7 (1)	0	1.8×10^8 (4)	0
Passaic	1.2×10^9 (3)	2.7×10^8 (22)	7.6×10^8 (63)	3.1×10^7 (3)	1.4×10^8 (12)	0	0
Salem	1.1×10^9 (2)	1.0×10^9 (94)	1.5×10^6 (0)	4.4×10^7 (4)	0	1.5×10^7 (1)	0
Somerset	2.5×10^9 (6)	4.9×10^7 (2)	6.5×10^8 (26)	0	1.8×10^9 (72)	0	0
Sussex	4.5×10^9 (10)	1.8×10^8 (4)	3.7×10^9 (81)	9.4×10^7 (2)	5.8×10^8 (13)	0	0
Union	1.0×10^9 (2)	3.5×10^8 (34)	5.2×10^7 (5)	1.0×10^7 (1)	6.1×10^8 (60)	0	0
Warren	3.4×10^9 (8)	1.2×10^8 (3)	2.4×10^9 (71)	2.6×10^7 (1)	8.6×10^8 (25)	0	0
Totals	4.5×10^{10} (100)	1.8×10^{10} (39)	1.7×10^{10} (38)	1.5×10^9 (3)	8.2×10^9 (18)	7.0×10^8 (2)	0