

1 Total element contents and molar Zn/element ratios in soil and limestone samples

Table EA1: Total contents of Mg, Al, Si, S, Ca, Ti, Fe, Zn, and Cd and molar ratios of Zn over Al, Si, S, Ti and Fe.

Soil	Horizon	Total element contents (mg/kg)									Molar element ratios ($\times 100$)				
		Mg	Al	Si	S	Ca	Ti	Fe	Zn	Cd	Zn/Al	Zn/Si	Zn/S	Zn/Ti	Zn/Fe
DOR	Oe	823	5367	16000	2173	18360	394	4922	318	2.9	2.4	0.9	7.2	59	5.5
	Ah	3470	60220	182400	356	8456	3939	45210	783	11.2	0.5	0.2	11	15	1.5
	Bw	4560	69380	186000	272	17550	4158	50790	734	15.1	0.4	0.2	132	13	1.2
	BwC	4300	70440	162500	162	45690	4201	55440	476	13.6	0.3	0.1	144	8.3	0.7
	R	370	297	748	6	386600	5	413	207	17.3	29	12	1720	3040	43
GUR	Aca	1450	19450	71970	2050	31400	2117	46370	864	15.4	1.8	0.5	21	30	1.6
	R	1060	770	2421	254	389500	37	1992	43	1.4	2.3	0.8	8.3	86	1.8
LIE	Aca	2350	26560	92840	1166	99500	2526	40550	237	2.4	0.4	0.1	10	6.9	0.5
	R	5710	13200	46580	220	299600	1109	10660	92	1.0	0.3	0.1	21	6.1	0.7