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Supplement of

Current, steady-state and historical weathering rates of base cations at two forest sites in northern and southern Sweden: a comparison of three methods

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Figure S1. Zirkonium (Zr) to base cation (Ca, Mg, K, Na) ratios by concentration at different soil layers at Flakaliden (left) and Asa (right).

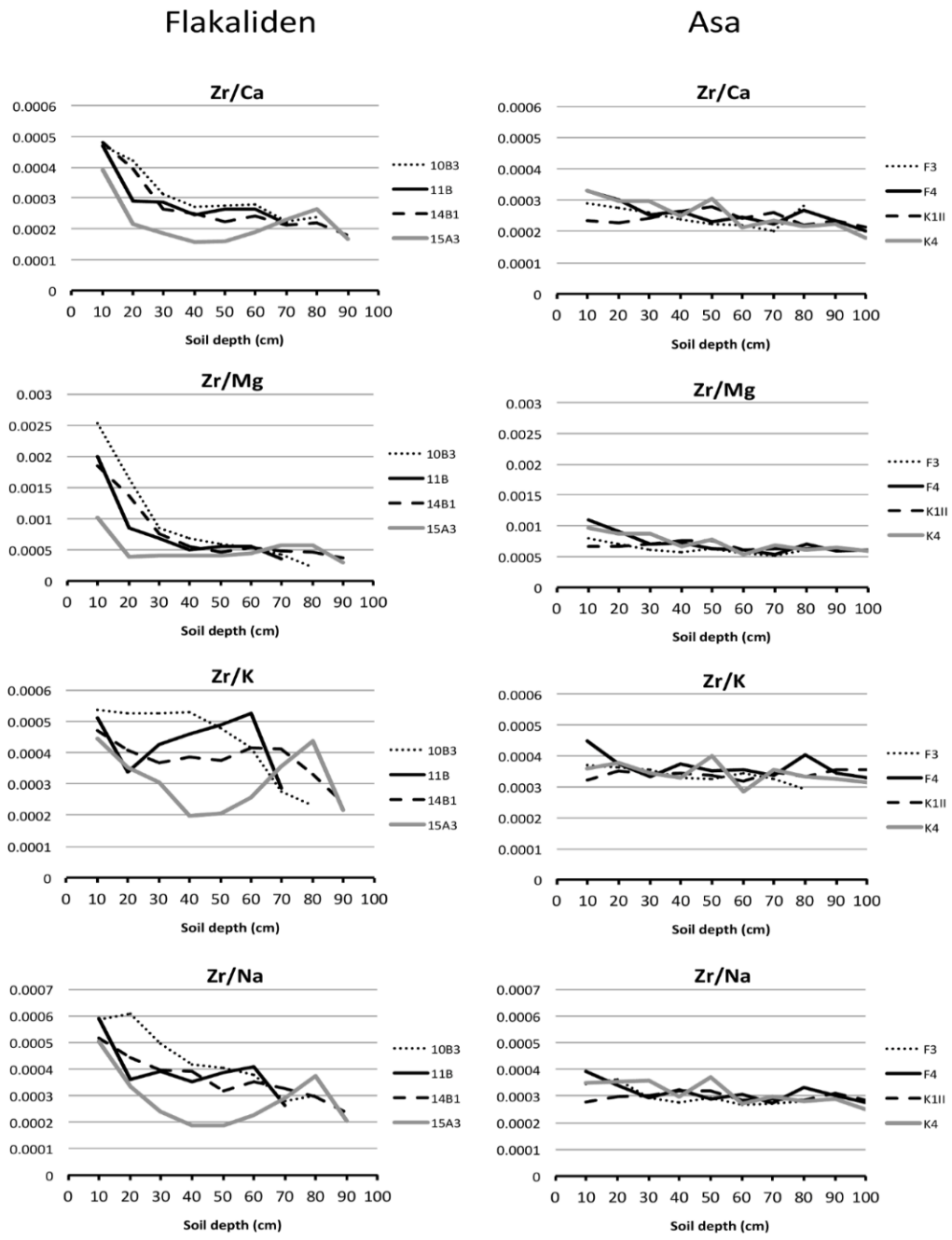
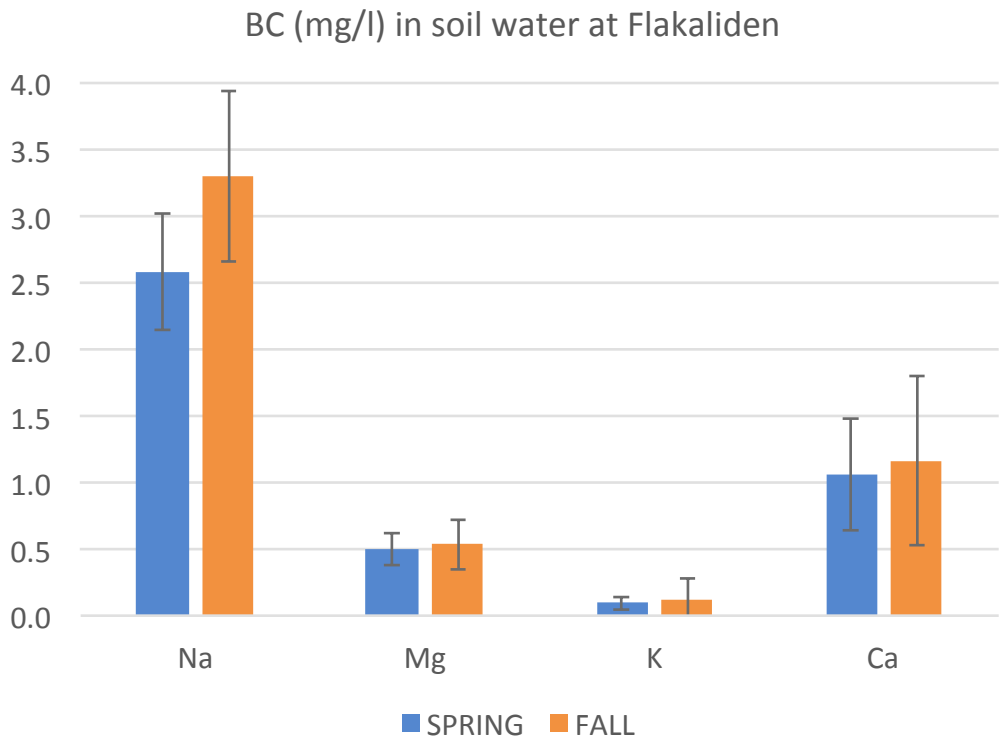


Figure S2. Mean and SE of BC ions (mg/l) in soil water sampled at 50 cm depth in the soil of the four control plots at Asa during 1990 – 2004 and at Flakaliden during 1988-2004.



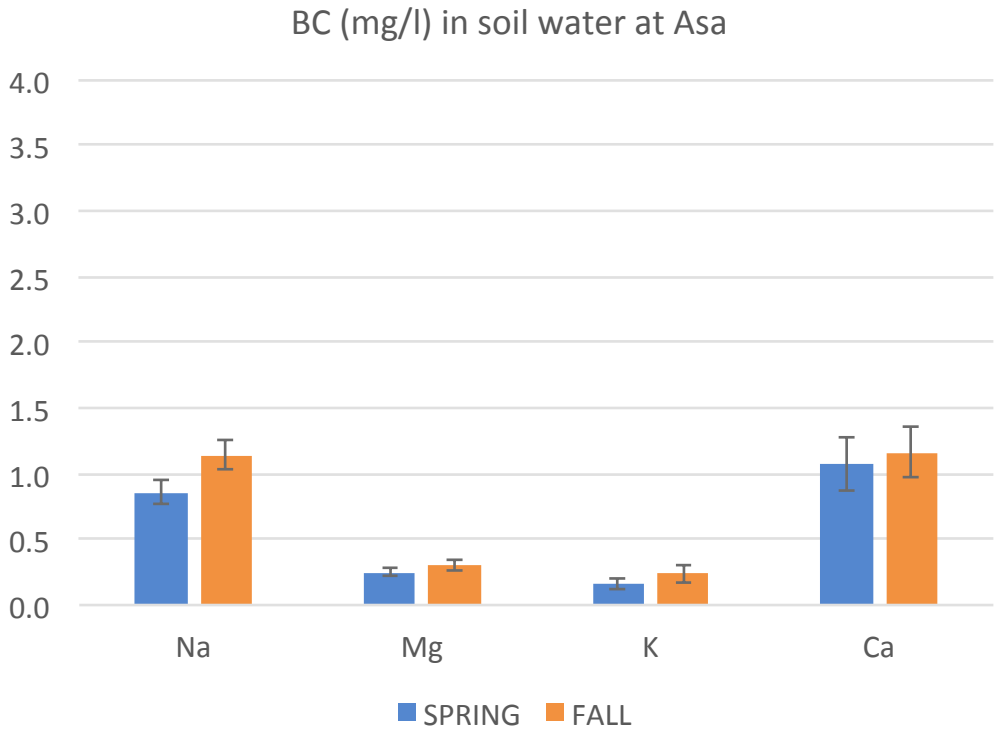
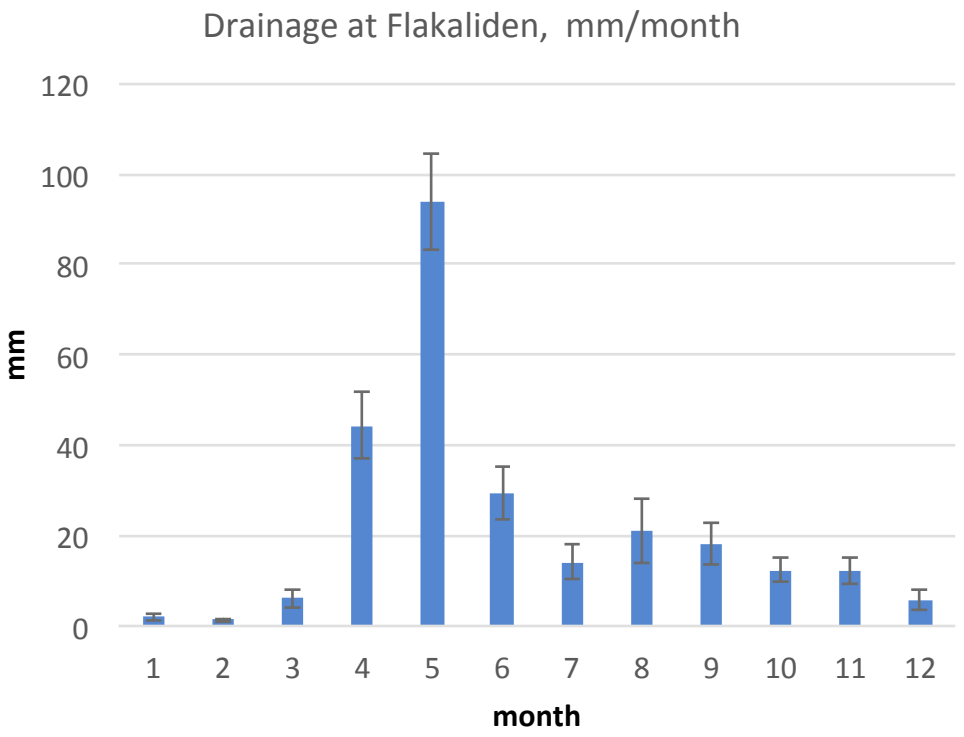
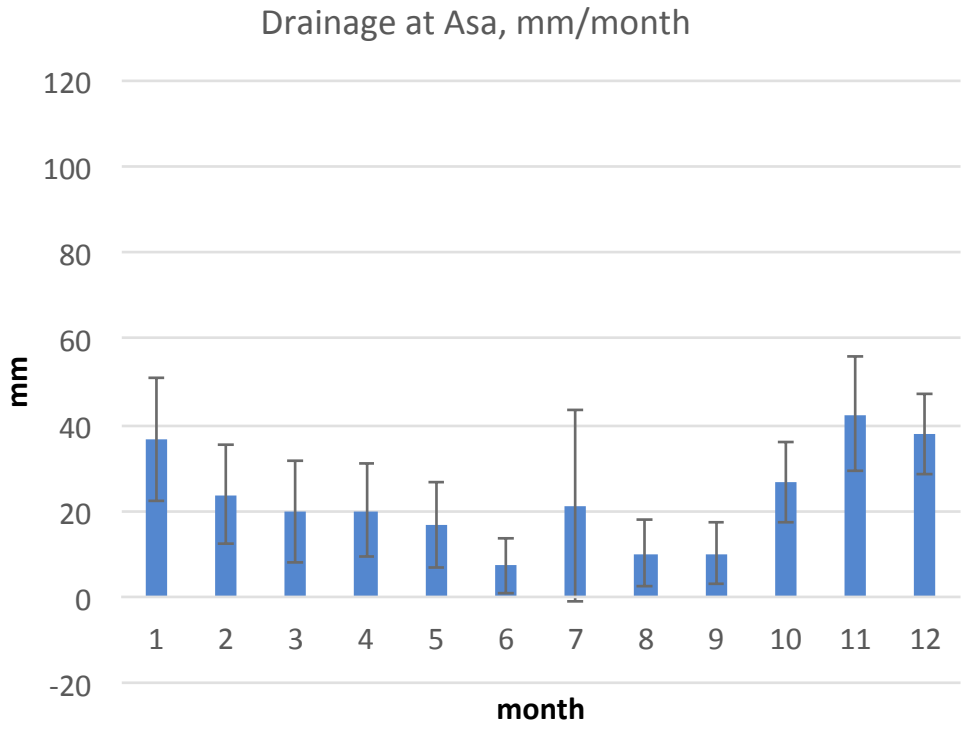
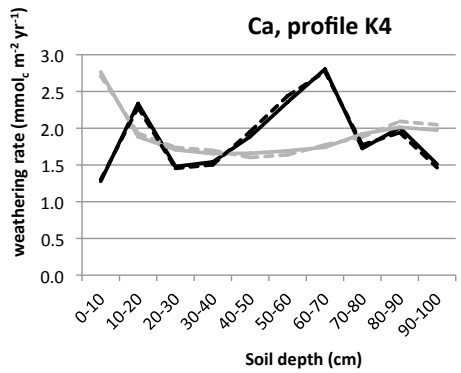


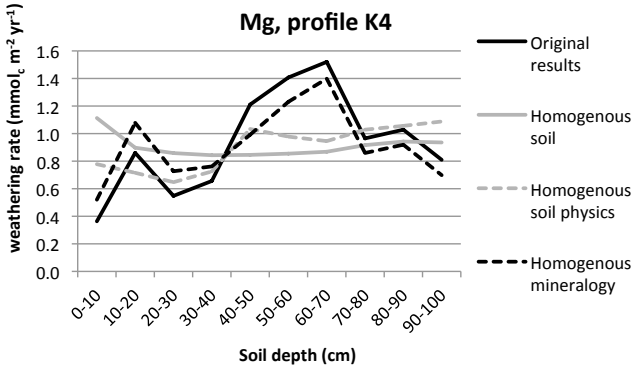
Figure S3. Monthly mean and SD drainage (mm) at 50 cm depth in the soil of control plots at Asa during 1990 – 2004 and at Flakaliden during 1988-2004.

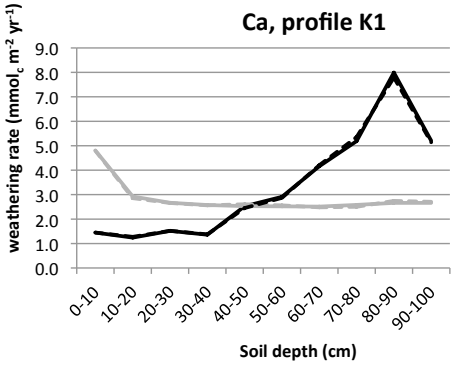


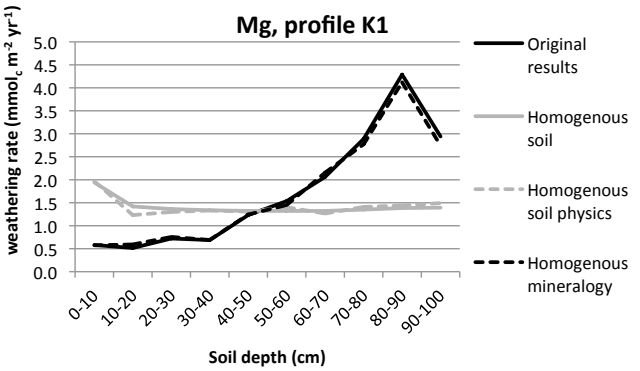


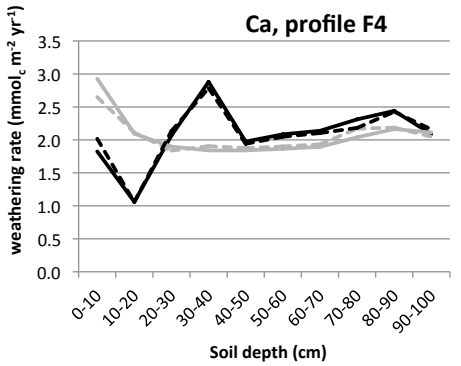
Supplement 4a Asa

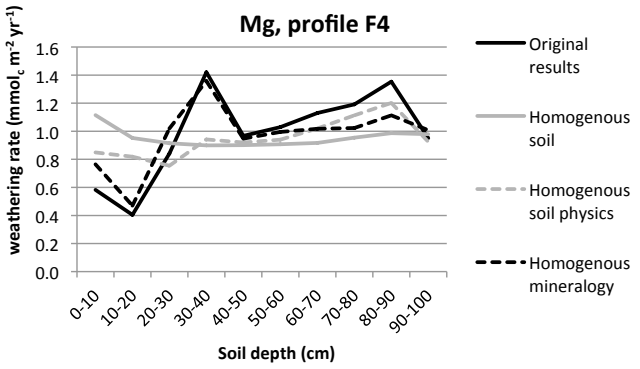


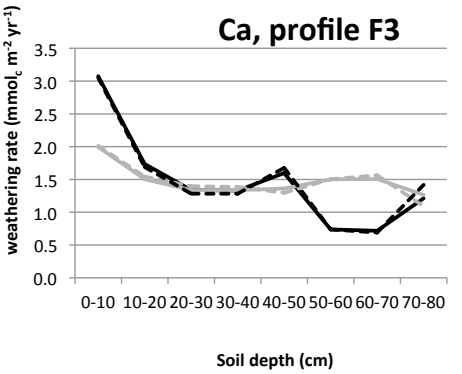


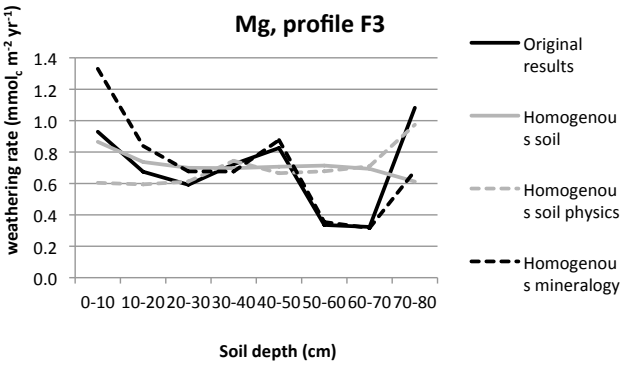




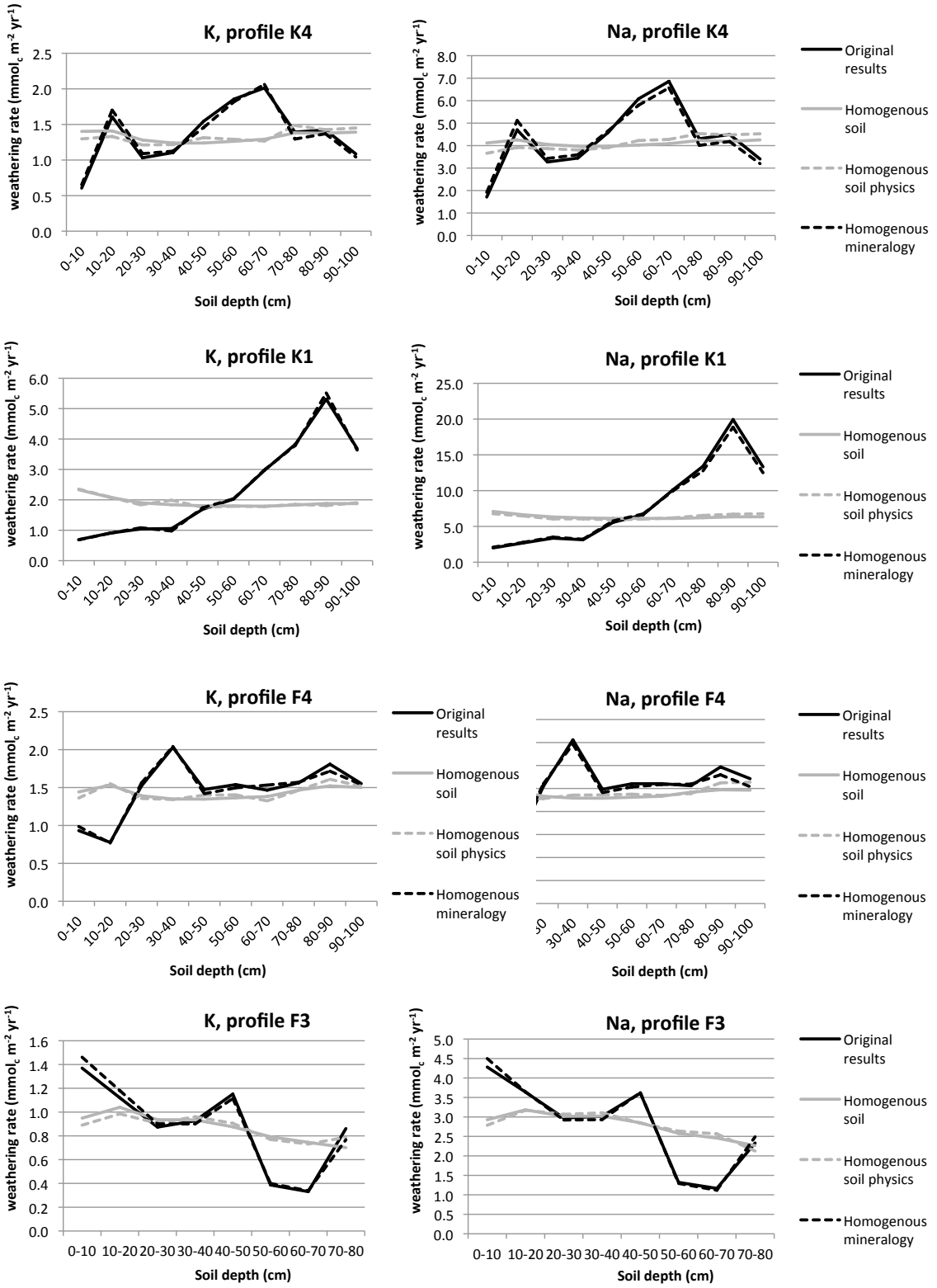




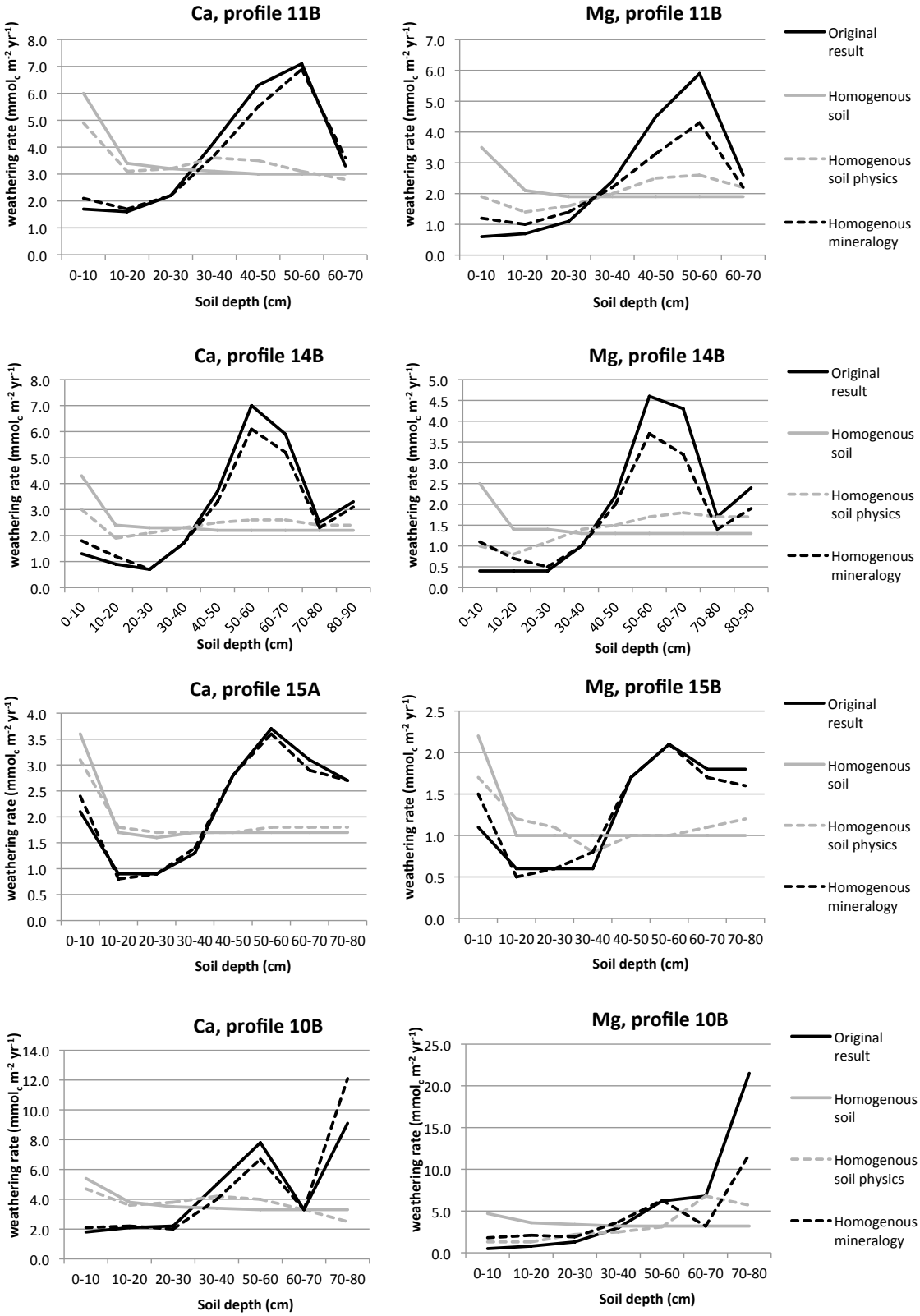




Supplement 4b Asa



Supplement 5a Flakaliden



Supplement 5b Flakaliden

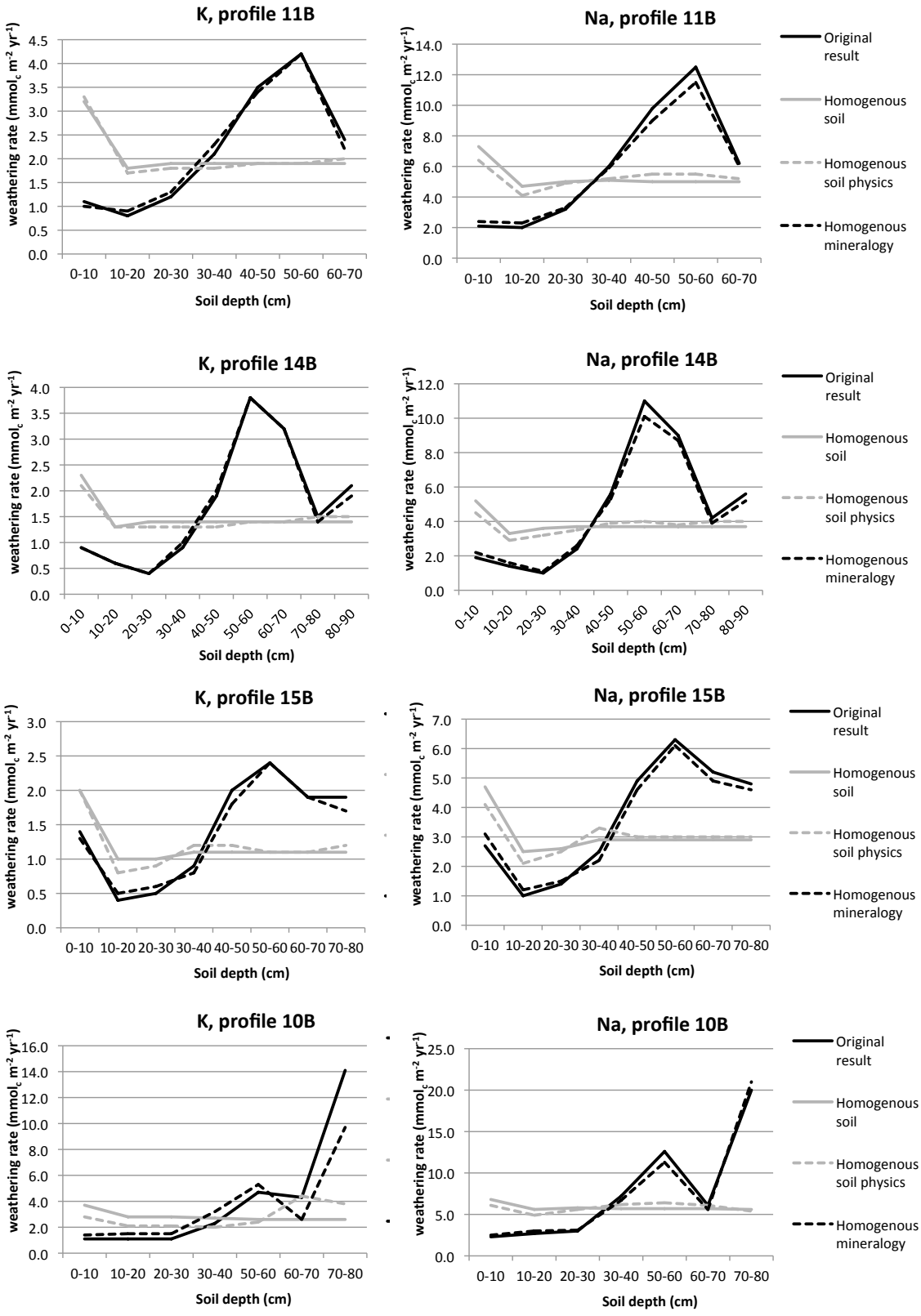


Figure S6. Weathering rate (mmolc m-2 yr-1) of Ca (a), K (b), Mg (c) and Na (d) as a function of exposed soil surface area (m2 m-3) at Asa (white circles) and Flakaliden (grey circles).

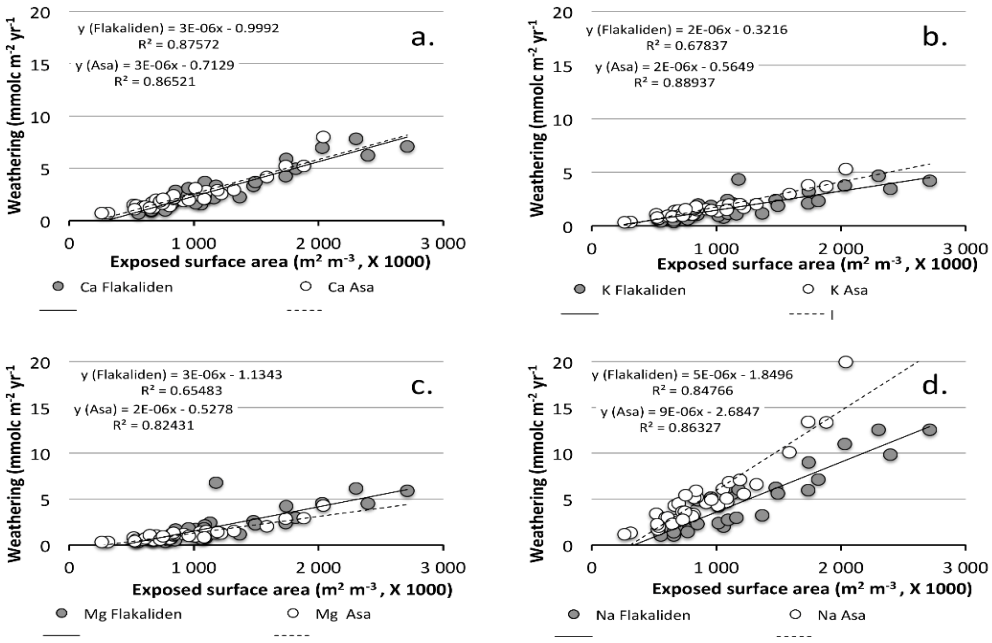


Figure S7. Weathering rate (mmolc m-2 yr-1) of Ca (a), K (b), Mg (c) and Na (d) as a function of bulk density (g L-1) at Asa (white circles) and Flakaliden (grey circles).

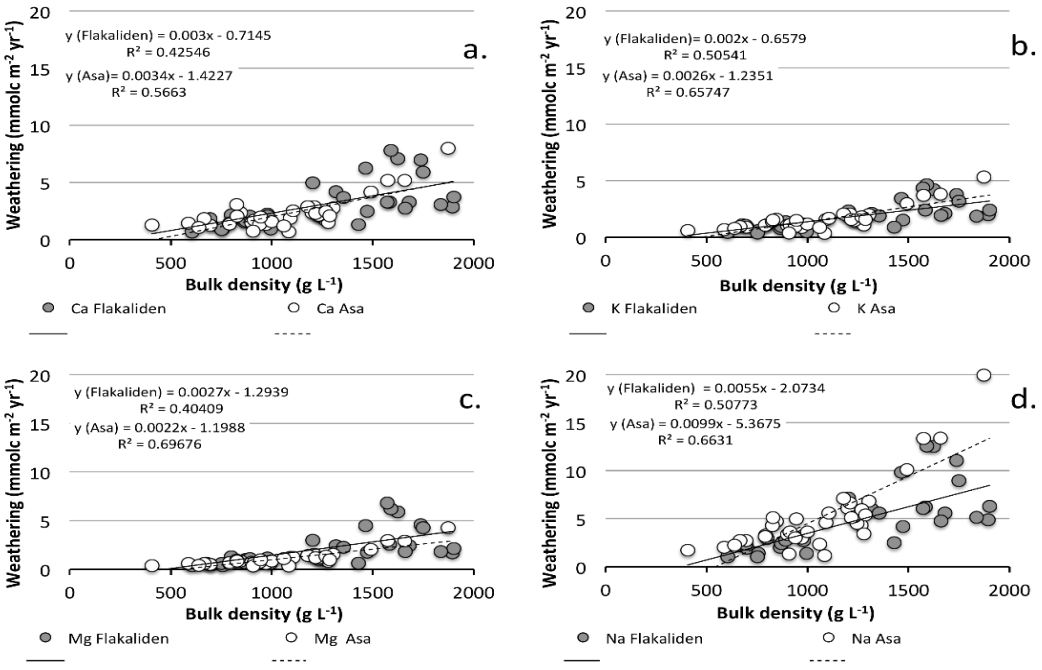


Table S1. XRPD Mineralogical composition (weight %) of the fine-earth (<2mm) fraction of soils from Asa (upper table) and Flakaliden (lower table). Dioct.=dioctahedral phyllosillicates; Trioct.=trioctahedral phyllosilicates.

Asa

Site	Plot	Depth	Quartz	K-feldspar	Plagio-clase	Amphi-bole	Epid-ote	Anat-ase	Ilme-nite	Hema-tite	Chlorite trioct.	Mica dioct.	Mica trioct.	Verm. dioct.	Verm. trioct.	Hydro-biotite	Kaoli-nite	Im./ Allo.	Ferri-hydrite	Total
Asa	K1	0-10	43.6	15.3	25.1	2.6	3.2	0.0	0.6	0.9	1.0	3.3	0.0	0.9	0.2	0.7	0.0	1.8	0.8	100
Asa	K1	10-20	44.0	15.3	25.7	2.4	3.0	0.0	0.6	1.0	0.9	2.9	0.2	1.2	0.2	0.2	0.0	1.6	1.0	100
Asa	K1	20-30	44.2	14.4	25.2	2.5	3.2	0.0	0.5	0.9	1.0	3.5	0.0	1.1	0.2	0.5	0.0	1.9	0.8	100
Asa	K1	30-40	42.6	16.4	25.8	2.4	3.0	0.0	0.6	0.9	1.1	3.1	0.3	1.4	0.2	0.6	0.0	0.9	0.9	100
Asa	K1	40-50	44.7	14.8	25.4	2.6	3.2	0.0	0.6	1.0	1.2	2.8	0.1	1.4	0.1	0.4	0.0	0.0	1.5	100
Asa	K1	50-60	44.1	15.1	25.9	2.5	3.2	0.0	0.6	0.9	1.2	3.0	0.0	1.1	0.1	0.9	0.0	0.0	1.3	100
Asa	K1	60-70	44.0	14.9	26.7	2.2	3.4	0.0	0.6	0.9	1.5	3.1	0.3	0.6	0.1	0.4	0.0	0.2	1.2	100
Asa	K1	70-80	43.8	15.0	27.7	2.3	3.1	0.0	0.5	0.8	1.2	3.5	0.0	0.2	0.2	1.0	0.0	0.0	0.6	100
Asa	K1	80-90	43.8	14.6	27.9	2.4	3.5	0.0	0.6	0.8	1.1	2.8	0.0	0.4	0.1	0.9	0.0	0.0	1.0	100
Asa	K1	90-100	42.7	15.2	28.1	2.6	3.3	0.0	0.5	0.9	1.3	3.2	0.1	0.1	0.1	0.7	0.0	0.0	1.1	100
Asa	K4	0-10	45.6	15.2	23.5	2.2	3.0	0.0	0.6	0.9	0.6	2.5	0.1	2.0	0.2	0.0	0.0	1.6	1.9	100
Asa	K4	10-20	45.5	15.2	24.3	2.4	3.1	0.1	0.6	1.0	0.6	2.2	0.2	2.2	0.2	0.0	0.0	1.0	1.4	100
Asa	K4	20-30	44.8	15.4	25.2	2.0	3.1	0.0	0.5	0.9	0.9	2.1	0.2	2.3	0.2	0.2	0.0	0.0	2.1	100
Asa	K4	30-40	43.4	15.5	25.3	2.5	3.0	0.1	0.5	0.9	1.0	3.2	0.1	1.8	0.1	0.1	0.0	0.8	1.8	100
Asa	K4	40-50	41.7	15.8	25.9	2.5	3.0	0.0	0.5	0.8	1.3	4.9	0.0	0.3	0.3	1.3	0.0	1.3	0.3	100
Asa	K4	50-60	41.5	15.4	27.7	2.4	3.0	0.0	0.6	0.8	1.5	4.4	0.0	0.0	0.3	1.1	0.0	0.7	0.8	100
Asa	K4	60-70	43.4	15.0	27.6	2.3	3.3	0.0	0.6	1.0	1.4	3.4	0.1	0.3	0.2	0.9	0.0	0.0	0.4	100
Asa	K4	70-80	40.7	15.9	28.4	2.2	3.1	0.0	0.5	0.8	1.3	4.4	0.6	0.0	0.2	0.9	0.0	0.9	0.3	100
Asa	K4	80-90	41.5	16.1	28.4	2.5	3.4	0.0	0.5	0.8	1.5	3.4	0.3	0.2	0.1	0.7	0.0	0.0	0.6	100
Asa	K4	90-100	41.6	16.2	28.2	2.4	3.4	0.0	0.5	0.9	1.4	3.1	0.3	0.3	0.2	1.0	0.0	0.0	0.6	100
Asa	F3	0-10	44.5	14.6	25.3	2.2	3.3	0.1	0.5	0.8	1.0	2.4	0.2	1.2	0.3	0.0	0.0	1.3	2.5	100
Asa	F3	10-20	43.8	14.2	26.4	2.3	3.3	0.1	0.5	0.7	1.3	2.8	0.2	1.3	0.3	0.0	0.0	0.0	2.8	100
Asa	F3	20-30	41.8	14.5	26.9	2.3	3.7	0.0	0.5	0.8	1.7	3.1	0.1	0.7	0.2	0.3	0.0	1.8	1.5	100
Asa	F3	30-40	41.1	15.2	27.2	2.4	3.6	0.0	0.4	0.8	2.0	3.6	0.0	0.5	0.2	0.9	0.0	0.7	1.3	100
Asa	F3	40-50	42.5	15.5	26.4	2.4	3.1	0.0	0.4	0.7	1.7	3.3	0.2	0.1	0.3	0.4	0.0	2.0	1.1	100
Asa	F3	50-60	43.0	14.9	27.2	2.2	3.2	0.0	0.5	0.8	2.0	2.5	0.2	0.7	0.1	0.5	0.0	0.0	2.0	100
Asa	F3	60-70	42.0	15.2	27.7	2.6	3.3	0.0	0.4	0.7	2.0	2.6	0.0	0.6	0.3	0.5	0.0	0.0	2.1	100
Asa	F3	70-90	40.6	17.0	27.9	2.1	2.7	0.1	0.4	0.8	1.7	2.9	0.3	0.7	0.1	0.5	0.0	0.7	1.5	100
Asa	F4	0-10	46.7	14.7	24.0	1.9	2.8	0.1	0.5	0.8	0.7	2.9	0.0	1.1	0.3	0.3	0.0	1.9	1.3	100
Asa	F4	10-20	44.9	15.9	25.0	2.1	3.2	0.0	0.5	0.9	0.9	1.8	0.3	1.7	0.2	0.2	0.0	0.4	2.1	100
Asa	F4	20-30	44.8	15.0	26.4	1.9	3.1	0.0	0.6	0.8	1.2	2.3	0.3	0.8	0.3	0.0	0.0	0.7	1.7	100
Asa	F4	30-40	43.2	15.1	27.7	2.2	3.4	0.0	0.5	0.8	1.5	2.4	0.4	0.5	0.2	0.3	0.0	0.1	1.6	100
Asa	F4	40-50	42.2	15.8	27.8	2.1	3.4	0.0	0.5	0.7	1.6	2.6	0.4	0.5	0.2	0.3	0.0	0.0	1.8	100
Asa	F4	50-60	42.6	15.7	27.7	2.1	3.3	0.0	0.5	0.8	1.5	2.2	0.5	0.7	0.4	0.3	0.0	0.0	1.7	100
Asa	F4	60-70	43.6	14.4	27.1	2.2	3.4	0.0	0.6	0.7	1.8	2.7	0.2	0.5	0.2	0.6	0.0	0.0	1.9	100
Asa	F4	70-80	43.2	15.2	26.6	2.3	3.7	0.0	0.6	0.9	1.8	2.1	0.5	0.8	0.4	0.5	0.0	0.0	1.6	100
Asa	F4	80-90	40.7	15.6	28.6	2.4	3.1	0.0	0.4	0.8	1.8	3.6	0.3	0.1	0.2	0.7	0.0	0.0	1.6	100
Asa	F4	90-100	42.8	15.2	28.9	1.9	3.1	0.0	0.5	0.8	1.4	2.6	0.5	0.1	0.2	0.3	0.0	0.0	1.7	100

Flakaliden

Site	Plot	Depth	Quartz	K-feldspar	Plagio-clase	Amphi-bole	Epid-ote	Anat-ase	Ilme-nite	Hema-tite	Chlorite trioct.	Mica dioct.	Mica trioct.	Verm. dioct.	Verm. trioct.	Hydro-biotite	Kaoli-nite	Im./ Allo.	Ferri-hydrite	Total
F	11B	0-10	51.1	17.0	22.7	2.0	1.7	0.0	0.5	0.2	0.2	2.2	0.2	1.3	0.0	0.9	0.0	0.0	0.1	100
F	11B	10-20	47.1	14.2	22.7	2.9	2.0	0.0	0.4	0.2	0.6	3.2	0.0	1.0	0.0	0.8	0.0	2.9	2.0	100
F	11B	20-30	40.8	14.2	24.7	3.8	1.9	0.0	0.3	0.3	1.3	3.4	0.1	0.7	0.2	0.3	0.0	5.3	2.8	100
F	11B	30-40	39.3	13.6	25.5	4.7	2.5	0.0	0.2	0.2	1.9	3.8	0.1	0.7	0.2	0.5	0.0	3.4	3.3	100
F	11B	40-50	38.6	14.2	27.5	5.0	2.3	0.0	0.1	0.2	2.0	4.8	0.2	0.0	0.2	1.8	0.0	0.9	2.3	100
F	11B	50-60	40.6	13.5	25.9	5.2	2.6	0.0	0.2	0.3	2.0	4.5	0.7	0.0	0.2	1.4	0.0	0.8	2.1	100
F	11B	60-70	40.8	14.4	26.3	2.7	1.4	0.0	0.1	0.1	1.7	4.1	1.4	0.3	0.2	2.1	0.0	2.7	1.9	100
F	15A	0-10	48.1	17.4	24.6	3.4	1.3	0.0	0.4	0.2	0.2	3.0	0.0	0.3	0.0	1.1	0.0	0.0	0.0	100
F	15A	10-20	42.1	14.2	23.7	6.0	1.6	0.0	0.3	0.2	1.0	2.4	0.0	1.4	0.1	0.8	0.0	3.7	2.6	100
F	15A	20-30	38.7	14.7	26.1	4.9	1.6	0.0	0.1	0.2	1.8	2.5	0.4	0.2	0.3	0.4	0.0	5.6	2.3	100
F	15A	30-40	38.4	18.2	32.3	2.6	1.4	0.0	0.1	0.2	1.3	2.2	0.8	0.2	0.0	0.8	0.0	0.6	0.8	100
F	15A	40-50	39.8	18.2	29.4	3.4	1.8	0.0	0.2	0.2	1.4	3.0	0.8	0.0	0.1	1.4	0.0	0.0	0.3	100
F	15A	50-60	40.8	16.7	28.7	3.8	2.0	0.0	0.2	0.2	1.8	3.2	0.8	0.0	0.0	0.8	0.0	0.0	1.0	100
F	15A	60-70	40.8	15.9	29.3	3.9	2.1	0.0	0.2	0.2	1.5	3.0	0.8	0.0	0.0	1.1	0.0	0.0	1.0	100
F	15A	70-80	37.4	17.1	29.0	3.9	1.7	0.0	0.2	0.2	1.8	4.5	1.0	0.0	0.1	1.4	0.0	0.5	1.1	100
F	14B	0-10	54.6	15.8	23.1	1.8	1.1	0.0	0.5	0.1	0.0	1.9	0.1	0.3	0.0	0.6	0.0	0.0	0.0	100
F	14B	10-20	51.4	16.9	23.4	2.1	1.6	0.0	0.3	0.2	0.1	2.7	0.1	0.2	0.0	0.8	0.0	0.0	0.0	100
F	14B	20-30	47.0	14.5	23.8	3.1	1.9	0.0	0.4	0.3	0.5	4.1	0.0	0.8	0.1	1.2	0.0	0.7	1.7	100
F	14B	30-40	39.4	14.1	23.9	4.3	1.9	0.0	0.2	0.3	1.7	4.1	0.0	0.7	0.1	0.8	0.0	5.9	2.7	100
F	14B	40-50	40.4	13.6	27.0	4.4	2.4	0.0	0.2	0.2	1.9	3.7	0.2	0.5	0.3	1.1	0.0	1.8	2.3	100
F	14B	50-60	39.7	14.4	28.1	4.8	2.4	0.0	0.3	0.2	1.9	4.4	0.3	0.2	0.3	1.3	0.0	0.5	1.4	100
F	14B	60-70	40.7	14.3	26.6	5.1	2.6	0.0	0.3	0.2	2.0	4.5	0.2	0.1	0.3	1.5	0.0	0.1	1.5	100
F	14B	70-80	40.2	15.5	27.9	4.2	2.1	0.0	0.2	0.2	2.0	3.7	0.6	0.2	0.3	1.6	0.0	0.0	1.4	100.0
F	14B	80-90	40.1	15.5	27.7	4.2	1.9	0.0	0.2	0.2	1.8	4.0	1.2	0.0	0.1	1.6	0.0	0.0	1.5	100.0
F	10B	0-10	54.9	15.3	22.4	1.6	1.8	0.0	0.6	0.3	0.2	1.2	0.0	1.0	0.0	0.5	0.0	0.0	0.1	100.0
F	10B	10-20	48.6	14.9	22.1	2.5	2.1	0.0	0.4	0.3	0.5	2.7	0.0	1.0	0.0	0.4	0.0	1.8	2.7	100.0
F	10B	20-30	38.5	13.5	23.2	4.4	2.3	0.0	0.2	0.3	1.4	3.8	0.0	0.0	0.3	0.4	0.0	8.1	3.6	100.0
F	10B	30-40	39.4	12.5	25.6	5.0	2.7	0.0	0.2	0.2	1.8	3.5	0.1	0.3	0.4	0.5	0.0	4.1	3.7	100.0
F	10B	40-50	No sample																	
F	10B	50-60	40.0	13.7	26.7	4.3	2.5	0.0	0.2	0.3	1.9	5.2	0.8	0.0	0.2	2.3	0.0	1.0	0.9	100.0
F	10B	60-70	40.5	14.3	25.9	2.8	1.6	0.0	0.1	0.1	2.0	4.2	1.5	0.3	0.3	2.3	0.0	2.3	1.8	100.0
F	10B	70-80	36.0	9.9	23.3	1.4	0.6	0.0	0.2	0.0	1.3	4.6	16.0	0.0	0.0	1.2	2.3	2.9	0.5	100.0

Table S2. Fractional volumetric change (Vp)

Site	Soil profile	Soil depth (cm)	Vp
Flakaliden	10B3	0-10	3.2
Flakaliden	10B3	10-20	1.8
Flakaliden	10B3	20-30	2.1
Flakaliden	10B3	30-40	1.2
Flakaliden	10B3	40-50	0.9
Flakaliden	10B3	50-60	0.5
Flakaliden	10B3	60-70	0.0
Flakaliden	10B3	70-80	-0.3
Flakaliden	11B	0-10	1.6
Flakaliden	11B	10-20	0.4
Flakaliden	11B	20-30	0.4
Flakaliden	11B	30-40	0.1
Flakaliden	11B	40-50	0.1
Flakaliden	11B	50-60	0.0
Flakaliden	11B	60-70	-0.4
Flakaliden	14B1	0-10	2.0
Flakaliden	14B1	10-20	1.7
Flakaliden	14B1	20-30	1.8
Flakaliden	14B1	30-40	0.8
Flakaliden	14B1	40-50	0.2
Flakaliden	14B1	50-60	0.1
Flakaliden	14B1	60-70	0.0
Flakaliden	14B1	70-80	0.0
Flakaliden	14B1	80-90	-0.2
Flakaliden	15A3	0-10	1.5
Flakaliden	15A3	10-20	1.0
Flakaliden	15A3	20-30	0.5
Flakaliden	15A3	30-40	-0.2
Flakaliden	15A3	40-50	-0.4
Flakaliden	15A3	50-60	-0.3
Flakaliden	15A3	60-70	0.0
Flakaliden	15 A3	70-80	0.4
Asa	F3	0-10	0.4
Asa	F3	10-20	0.3
Asa	F3	20-30	0.2
Asa	F3	30-40	0.2
Asa	F3	40-50	0.1
Asa	F3	50-60	0.2
Asa	F3	60-70	0.0
Asa	F3	70-80	0.0
Asa	F4	0-10	1.3
Asa	F4	10-20	1.3
Asa	F4	20-30	0.5
Asa	F4	30-40	0.2
Asa	F4	40-50	0.4
Asa	F4	50-60	0.1
Asa	F4	60-70	0.0
Asa	F4	70-80	0.1
Asa	F4	80-90	0.0

Asa	F4	90-100	0.0
Asa	K1II	0-10	2.4
Asa	K1II	10 20	2.2
Asa	K1II	20-30	1.3
Asa	K1II	30-40	1.5
Asa	K1II	40-50	1.0
Asa	K1II	50-60	0.6
Asa	K1II	60-70	0.3
Asa	K1II	70-80	0.1
Asa	K1II	80-90	0.0
Asa	K1II	90-100	0.4
Asa	K4	0-10	2.6
Asa	K4	10-20	0.7
Asa	K4	20-30	0.8
Asa	K4	30-40	0.5
Asa	K4	40-50	0.4
Asa	K4	50-60	-0.1
Asa	K4	60-70	0.0
Asa	K4	70-80	-0.1
Asa	K4	80-90	0.0
Asa	K4	90-100	-0.1

Table S3. Soil physical input data to PROFILE (i.e. Soil bulk density and exposed mineral surface area)

Site	Soil profile	Soil depth (cm)	Soil bulk density (kg m^{-3})	Exposed mineral surface area (m^2 m^{-3})	Moisture content (m^3 m^{-3})	Dissolved organic carbon (mg L^{-1})	Aluminium solubility (kmol m^{-3})	Soil solution CO_2 partial pressure
Asa	K4	0-10	406	532079	0.25	50.0	9.1	10
Asa	K4	10-20	844	1084776	0.25	20.0	8.4	20
Asa	K4	20-30	793	787610	0.25	10.0	8.4	20
Asa	K4	30-40	916	785344	0.25	5.0	9.1	20
Asa	K4	40-50	1090	916686	0.25	4.6	9.7	20
Asa	K4	50-60	1201	1050002	0.25	4.6	9.2	20
Asa	K4	60-70	1304	1101429	0.25	4.6	9.2	20
Asa	K4	70-80	1265	664067	0.25	4.6	9.2	20
Asa	K4	80-90	1247	695754	0.25	4.6	9.2	20
Asa	K4	90-100	1279	517472	0.25	4.6	9.2	20
Asa	K1	0-10	589	535561	0.25	50.0	9.1	10
Asa	K1	10-20	696	677690	0.25	20.0	8.4	20
Asa	K1	20-30	901	818079	0.25	10.0	9.2	20
Asa	K1	30-40	791	806792	0.25	5.0	9.1	20
Asa	K1	40-50	1105	1218398	0.25	3.2	9.7	20
Asa	K1	50-60	1208	1319977	0.25	3.2	9.2	20
Asa	K1	60-70	1491	1584646	0.25	3.2	9.2	20
Asa	K1	70-80	1657	1736307	0.25	3.2	9.2	20
Asa	K1	80-90	1873	2035708	0.25	3.2	9.2	20
Asa	K1	90-100	1572	1879943	0.25	3.2	9.2	20
Asa	F4	0-10	664	732112	0.25	50.0	9.1	10
Asa	F4	10-20	638	523615	0.25	20.0	8.4	20
Asa	F4	20-30	830	1079727	0.25	10.0	9.2	20
Asa	F4	30-40	1179	1186689	0.25	5.0	9.1	20
Asa	F4	40-50	944	958612	0.25	4.6	9.7	20
Asa	F4	50-60	1230	831829	0.25	4.6	9.2	20
Asa	F4	60-70	1230	842592	0.25	4.6	9.2	20
Asa	F4	70-80	1218	823022	0.25	4.6	9.2	20
Asa	F4	80-90	1268	838326	0.25	4.6	9.2	20
Asa	F4	90-100	1288	754039	0.25	4.6	9.2	20
Asa	F3	0-10	826	1013890	0.25	50.0	9.1	10
Asa	F3	10-20	913	727492	0.25	20.0	8.4	20
Asa	F3	20-30	970	594412	0.25	10.0	9.2	20
Asa	F3	30-40	939	607749	0.25	5.0	9.1	20
Asa	F3	40-50	999	747396	0.25	4.6	9.7	20
Asa	F3	50-60	909	311392	0.25	4.6	9.2	20
Asa	F3	60-70	1083	260551	0.25	4.6	9.2	20
Asa	F3	70-80	1059	645037	0.25	4.6	9.2	20
Flakaliden	14B	0-10	701	678249	0.25	30.0	7.8	10
Flakaliden	14B	10-20	756	767102	0.25	20.0	8.9	20
Flakaliden	14B	20-30	603	554557	0.25	10.0	9.8	20
Flakaliden	14B	30-40	871	1017037	0.25	5.0	9.2	20
Flakaliden	14B	40-50	1354	1492585	0.25	4.1	9.2	20
Flakaliden	14B	50-60	1737	2029550	0.25	4.1	9.2	20
Flakaliden	14B	60-70	1750	1739385	0.25	4.1	9.2	20
Flakaliden	14B	70-80	1473	1014766	0.25	4.1	9.2	20
Flakaliden	14B	80-90	1680	1131835	0.25	4.1	9.2	20
Flakaliden	15A	0-10	890	817663	0.25	30.0	7.8	10
Flakaliden	15A	10-20	751	656624	0.25	20.0	8.9	20
Flakaliden	15A	20-30	995	657460	0.25	10.0	9.8	20
Flakaliden	15A	30-40	1430	657746	0.25	5.0	9.2	20
Flakaliden	15A	40-50	1893	852163	0.25	4.1	9.2	20
Flakaliden	15A	50-60	1900	1090063	0.25	4.1	9.2	20
Flakaliden	15A	60-70	1837	954035	0.25	4.1	9.2	20
Flakaliden	15A	70-80	1660	1081882	0.25	4.1	9.2	20
Flakaliden	11B	0-10	676	783315	0.25	30.0	7.8	10
Flakaliden	11B	10-20	865	1057022	0.25	20.0	8.9	20
Flakaliden	11B	20-30	979	1368115	0.25	10.0	9.8	20
Flakaliden	11B	30-40	1317	1736895	0.25	5.0	9.2	20
Flakaliden	11B	40-50	1465	2394521	0.25	2.7	9.2	20
Flakaliden	11B	50-60	1624	2710774	0.25	2.7	9.2	20
Flakaliden	11B	60-70	1583	1478454	0.25	2.7	9.2	20
Flakaliden	10B	0-10	694	849233	0.25	30.0	7.8	10
Flakaliden	10B	10-20	981	1091182	0.25	20.0	8.9	20
Flakaliden	10B	20-30	800	1162438	0.25	10.0	9.8	20
Flakaliden	10B	30-40	1203	1815798	0.25	5.0	9.2	20
Flakaliden	10B	50-60	1591	2300896	0.25	2.7	9.2	20
Flakaliden	10B	60-70	1572	1177716	0.25	2.7	9.2	20
Flakaliden	10B	70-80	2133	2165237	0.25	2.7	9.2	20