

Supplementary information for ‘Magmatic volatiles and platinum-group element mineralisation in the Stillwater layered intrusion, USA’

Amy P. Parker¹, Patricia L. Clay¹, Alan E. Boudreau², Ray Burgess¹ and Brian O’Driscoll^{1*}

¹Department of Earth and Environmental Sciences, University of Manchester, Manchester, M13 9PL, UK

²Division of Earth and Ocean Sciences, Nicholas School of the Environment, Duke University, Durham, NC 27708, USA

*brian.odriscoll@manchester.ac.uk

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Supplementary Figures

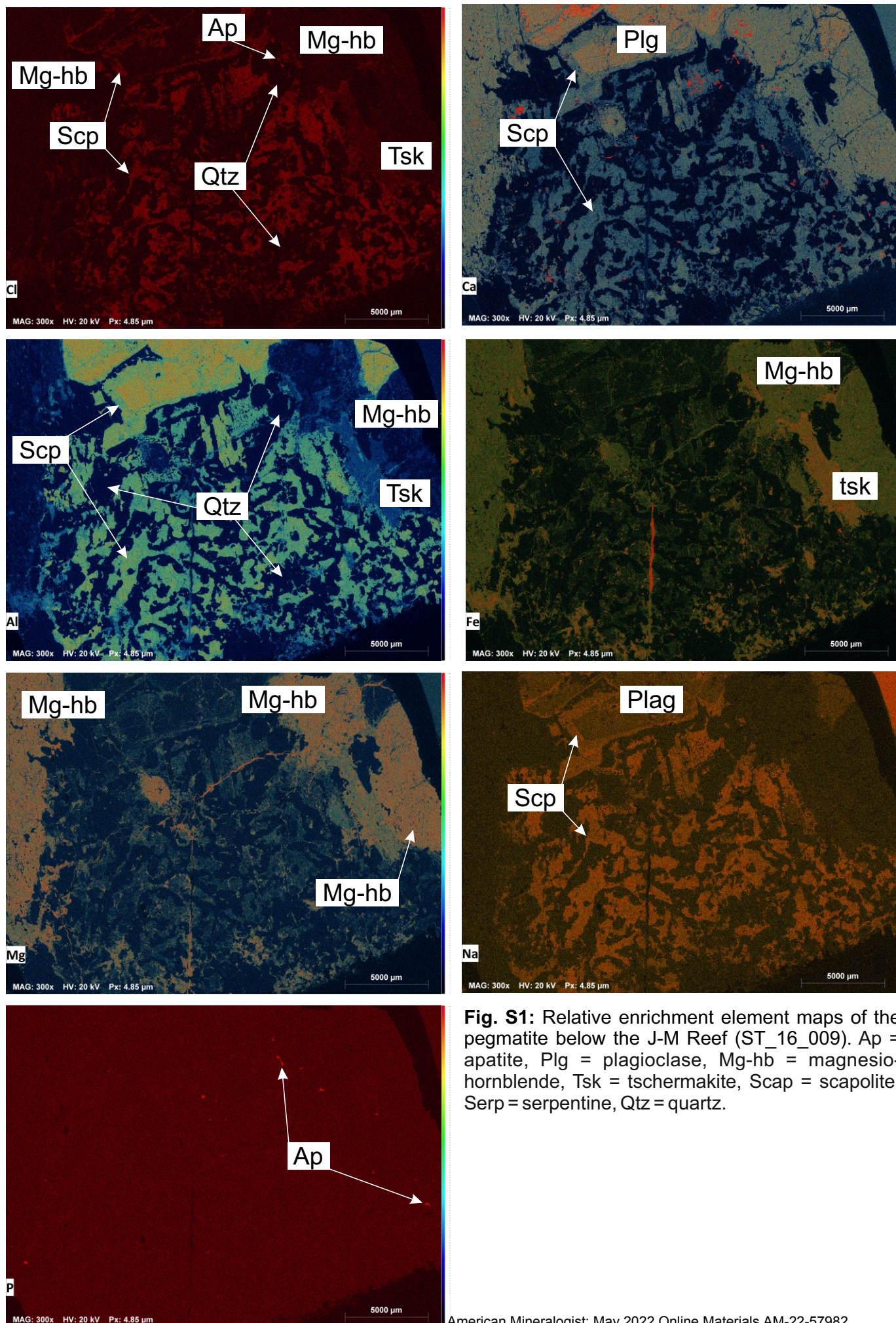


Fig. S1: Relative enrichment element maps of the pegmatite below the J-M Reef (ST_16_009). Ap = apatite, Plg = plagioclase, Mg-hb = magnesiohornblende, Tsk = tschermakite, Scap = scapolite, Serp = serpentine, Qtz = quartz.

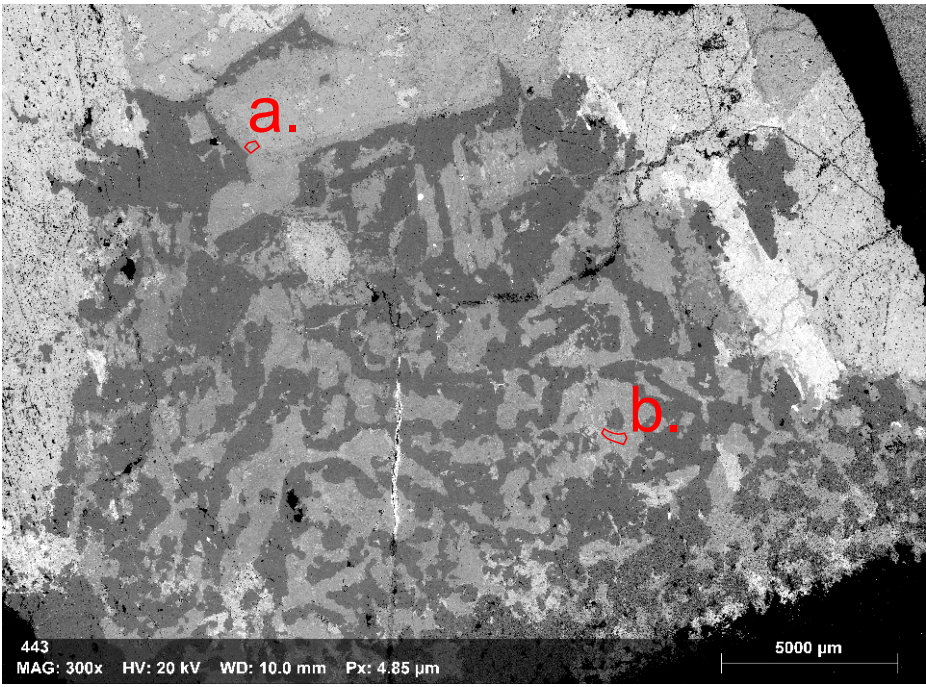
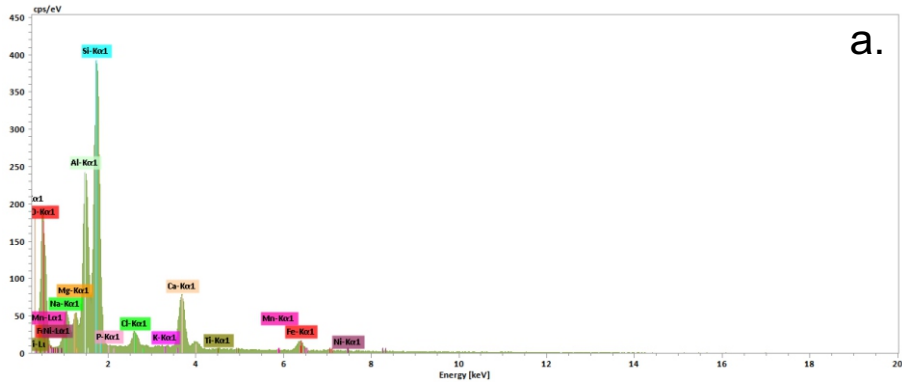
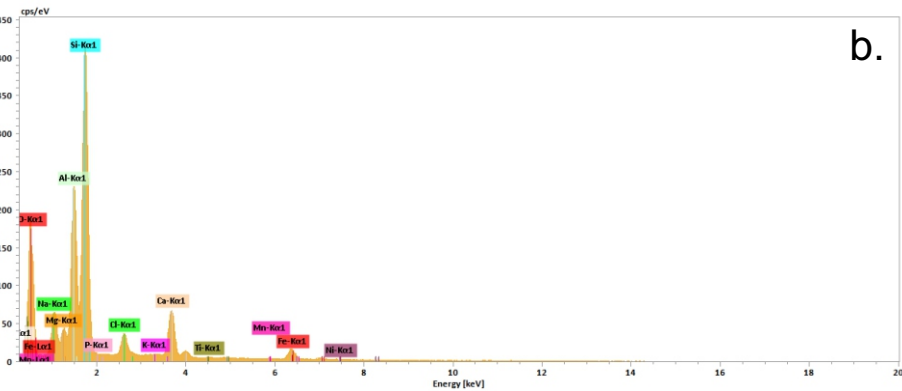


Fig. S2: Backscatter map of the pegmatite below the J-M Reef (ST_16_009). The element concentrations are calculated from spectra collected via SEM analysis. Area a. is from an alteration rim of a plagioclase and appears to be a mixed phase but is likely non-end member scapolite. Area b. is an area of alteration and again appears to be non-end member scapolite. Plg = plagioclase.



Element	Mass (%)	Abs. error (%)
O	42.5	4.9
Na	4.4	0.3
Mg	2.9	0.2
Al	13.7	0.7
Si	19.9	0.9
Cl	1.2	0.1
K	0.3	0
Ca	5.9	0.2
Fe	22.5	0.1
Total	93.2	



Element	Mass (%)	Abs. error (%)
O	43.9	4.8
Na	5.6	0.4
Mg	2.3	0.2
Al	13.5	0.7
Si	21.8	1.0
Cl	2.1	0.1
K	0.6	0
Ca	6.1	0.2
Fe	2.7	0.1
Total	98.7	