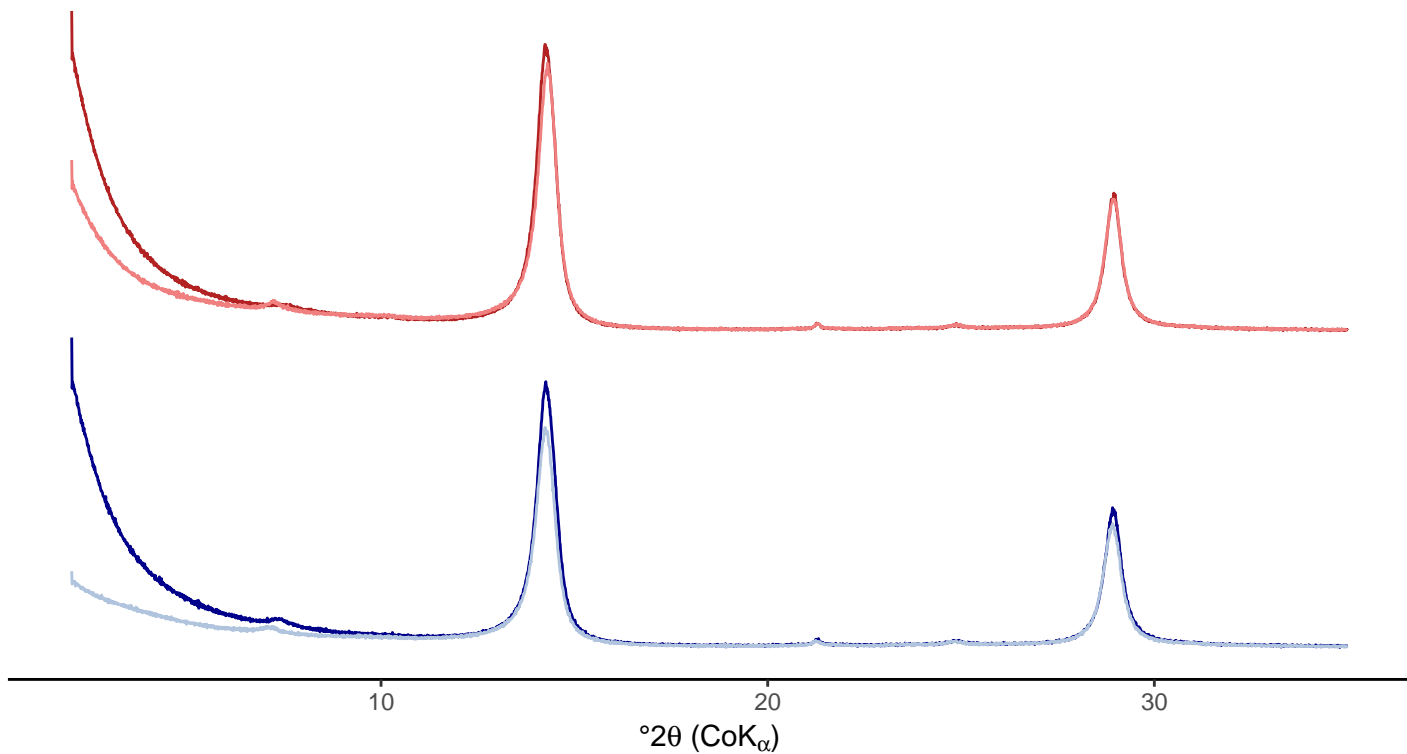


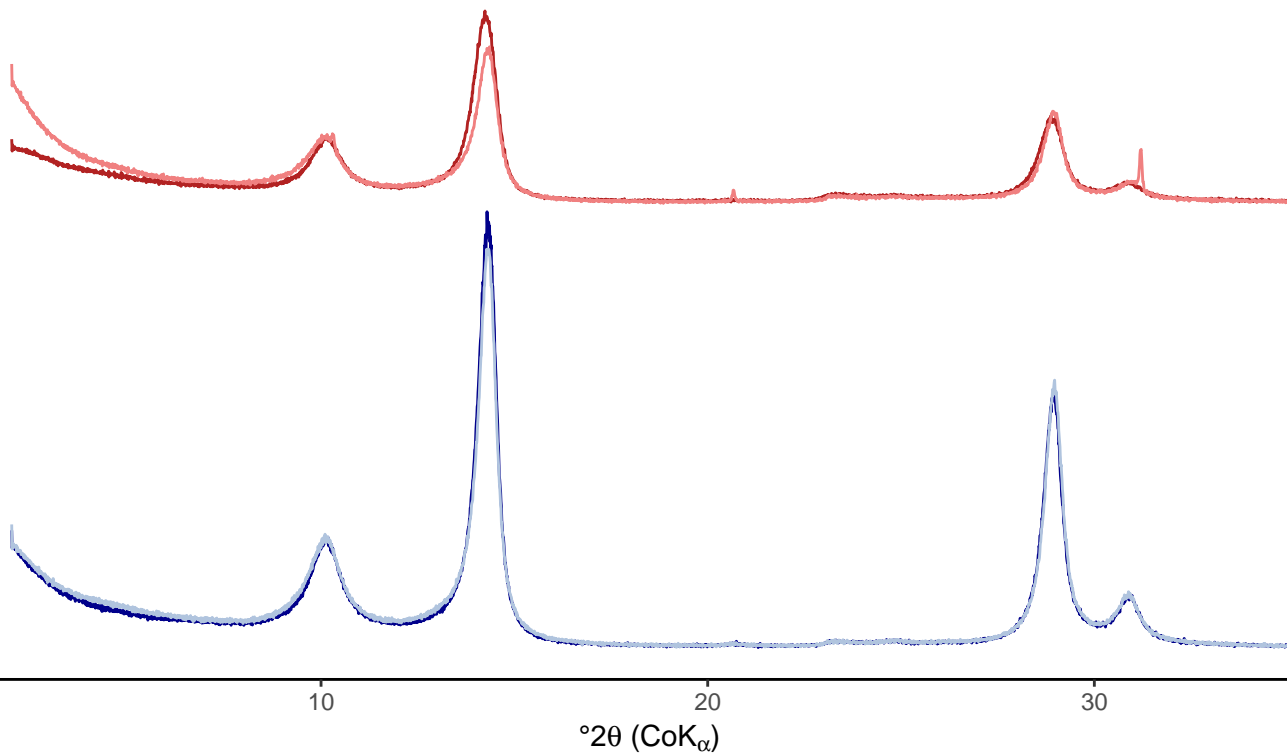
Figure 1S. Schematic map showing the location of the CCZO in the Fort Sumpter National Forest. High resolution profile images showing the sampling intervals for each shallow sample. Images sized so that the 10 cm and 80 cm marks on the left tape measure are aligned.

R1C2\_13-80



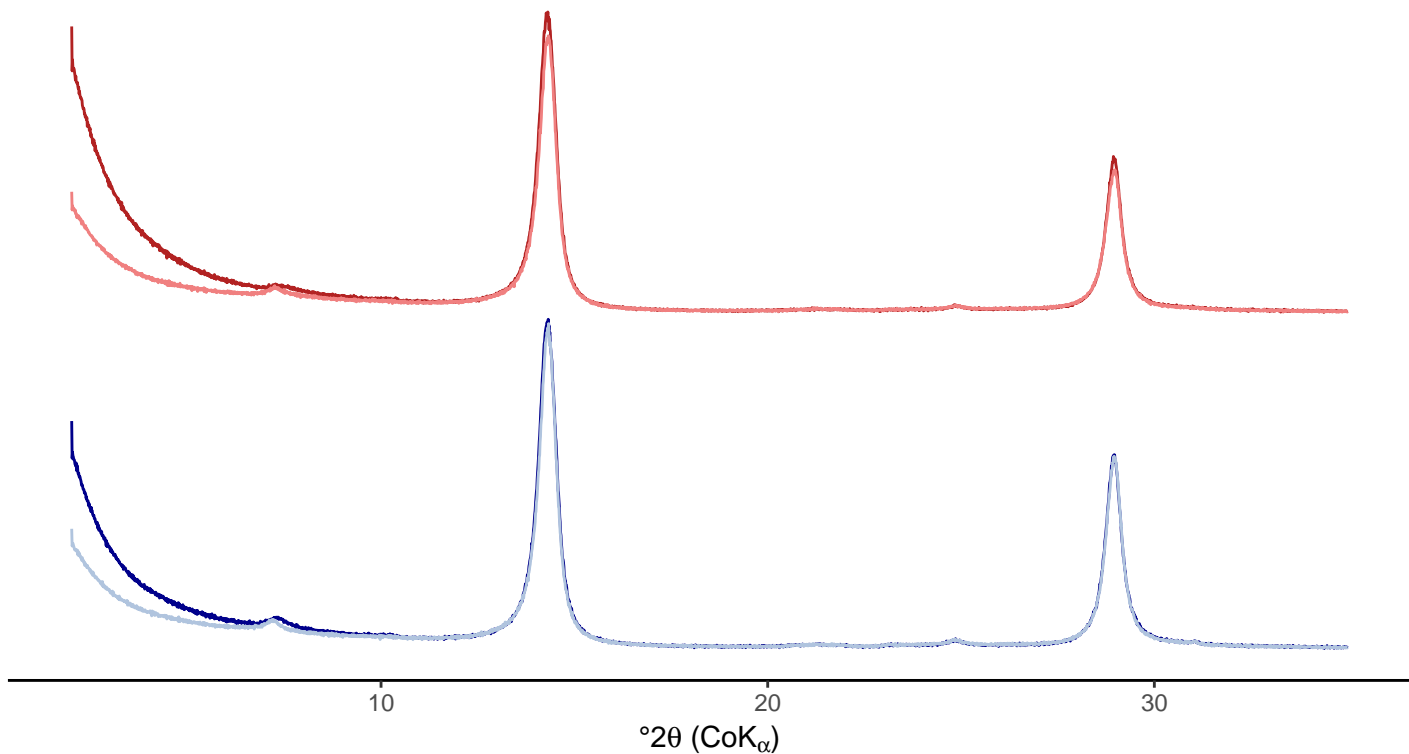
Treatment — Mg-sat. /EG — Mg-sat. /110°C — K-sat. /EG — K-sat. /110°C

R1C2\_700-800



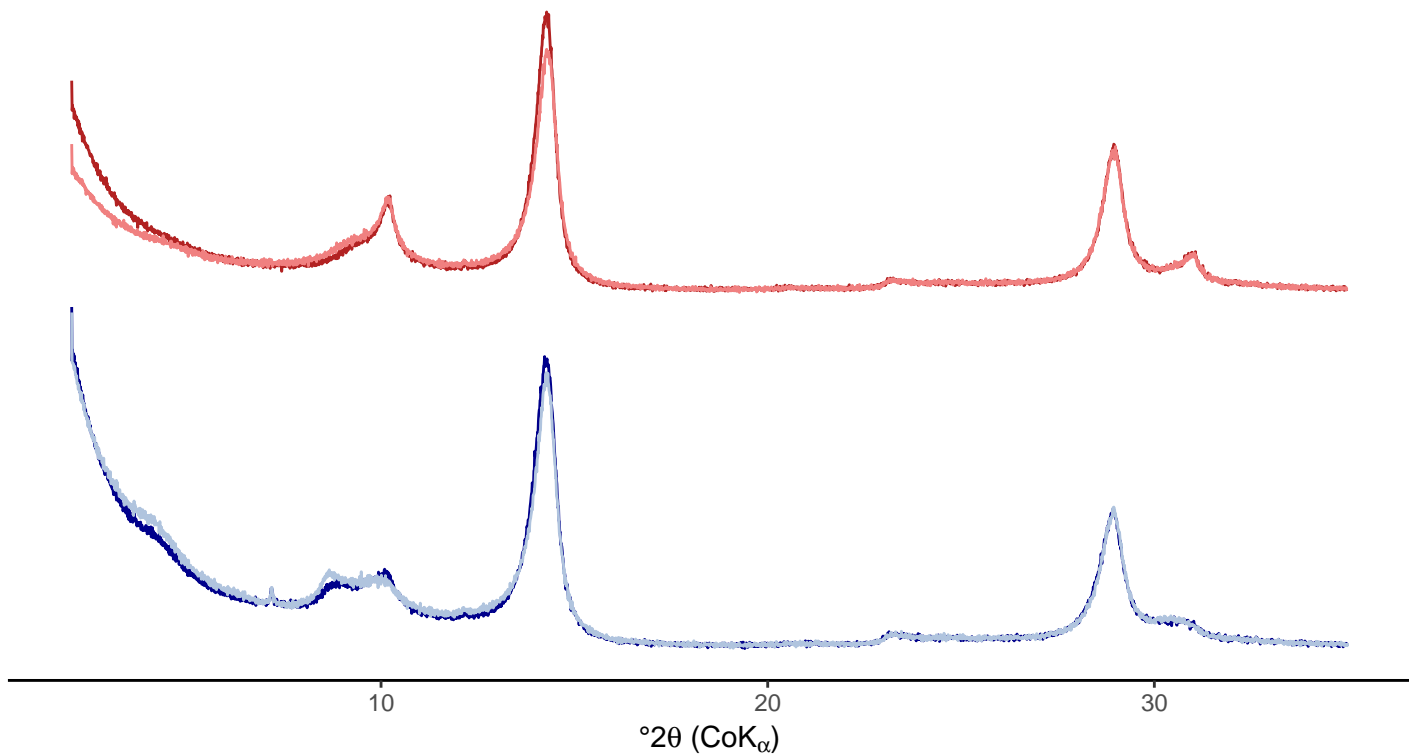
Treatment — Mg-sat. /EG — Mg-sat. /110°C — K-sat. /EG — K-sat. /110°C

R1C3\_58-86



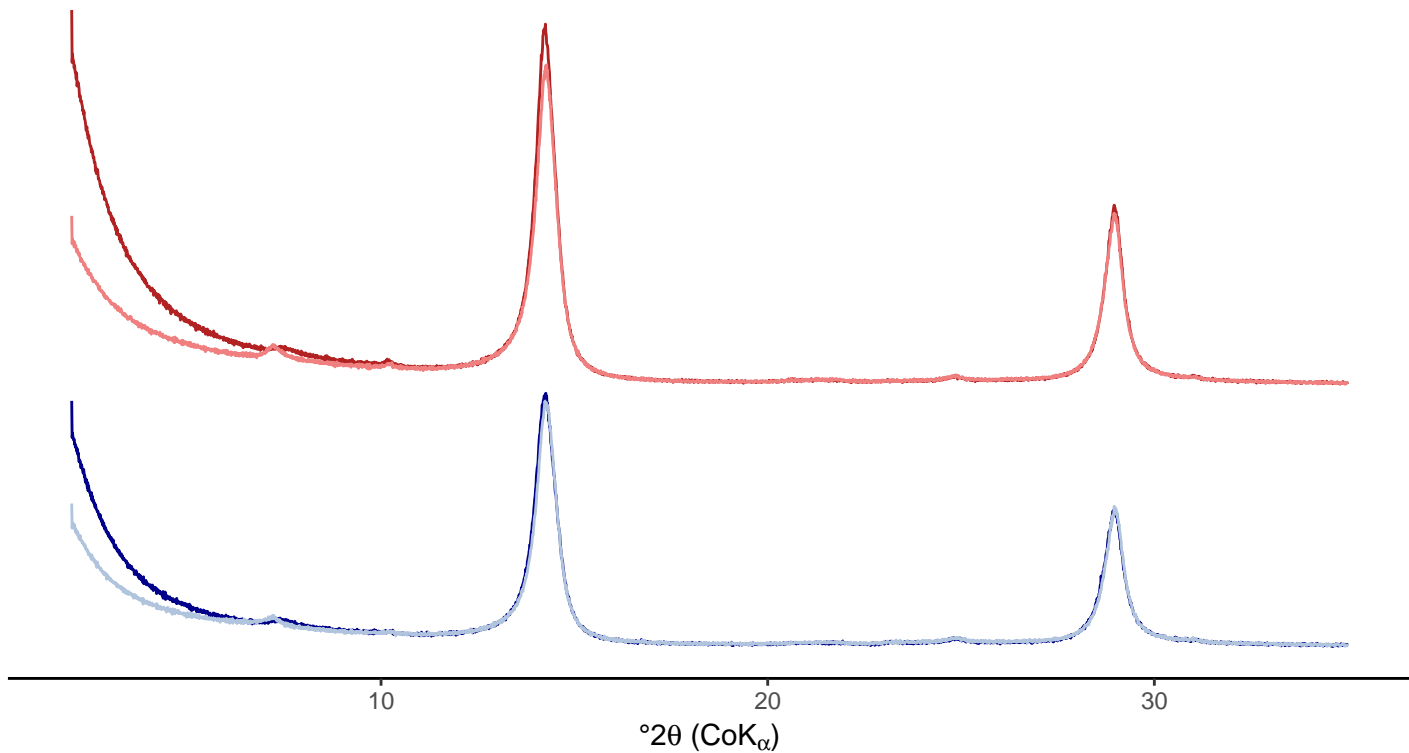
Treatment — Mg-sat. /EG — Mg-sat. /110°C — K-sat. /EG — K-sat. /110°C

R1C3\_600-650



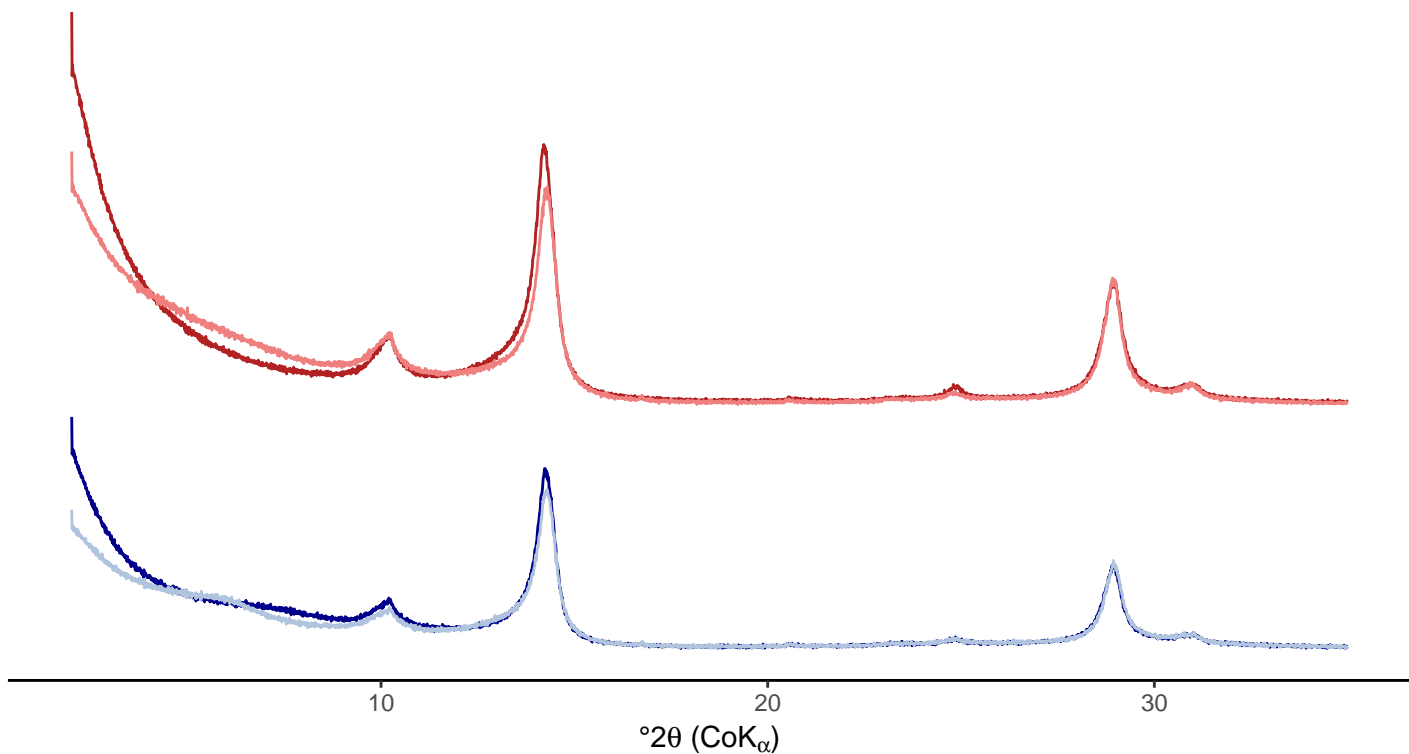
Treatment — Mg-sat. /EG — Mg-sat. /110°C — K-sat. /EG — K-sat. /110°C

R7P2\_57-82



Treatment — Mg-sat. /EG — Mg-sat. /110°C — K-sat. /EG — K-sat. /110°C

R7P2\_700-800



Treatment — Mg-sat. /EG — Mg-sat. /110°C — K-sat. /EG — K-sat. /110°C

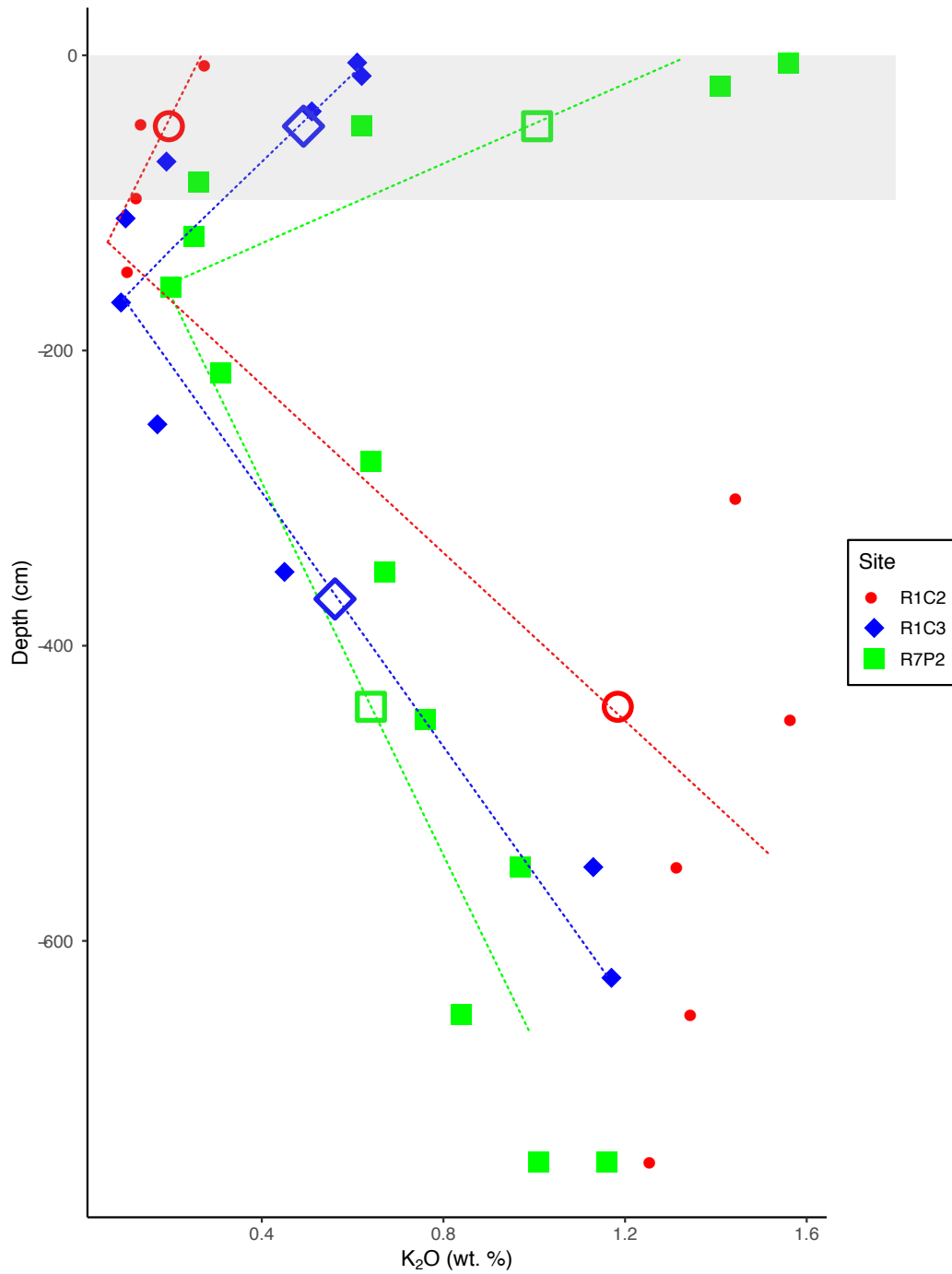


Figure S8. Bulk soil weight % K<sub>2</sub>O measured by lithium metaborate/tetraborate fusion followed by ICP-MS (Activation Laboratories, Ancaster, Ontario, Canada) for the three profiles studied. Large open symbols represent the average values for each site in the upper 100 cm (in grey box) and deeper than 100 cm. Lines show the change in K<sub>2</sub>O abundance with depth in the soil.