

Fig. S1. Geological map of the Kerr-Addison mine site, showing lithological and structural features (after Stubley 2021), shaft locations (after Sim & Davis 2021), as well as historical underground stopes and sampled drill core traces projected to surface (Gold Candle 2024, internal company data). All sample locations used in this study are displayed. Coordinate system NAD83, UTM Zone 17N.

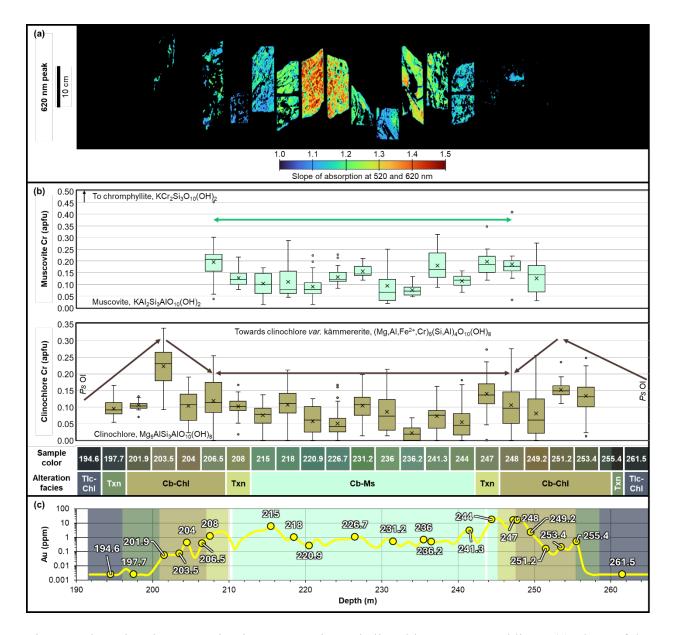


Fig. S2. Chromium incorporation into muscovite and clinochlore at Kerr-Addison. (a) Slope of the absorption at 520 and 620 nm, which shows the intensity of the 620 nm peak. (b) Chromium contents of muscovite and clinochlore, using scanning electron microscopy—energy dispersive spectroscopy (SEM-EDS). (c) Downhole log showing sample locations with respect to gold assay values for reference (Gold Candle 2024, internal company data).