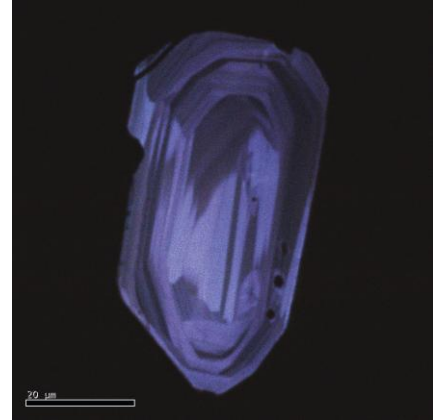
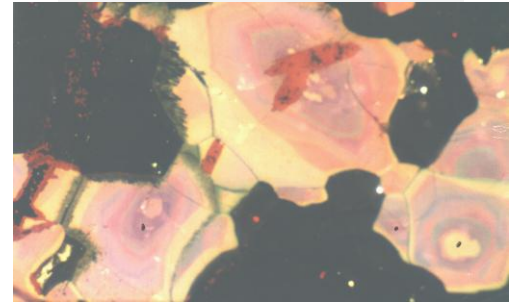


## Scanning Electron Microscope / Electron Probe Micro-analysis Ore Deposit Application

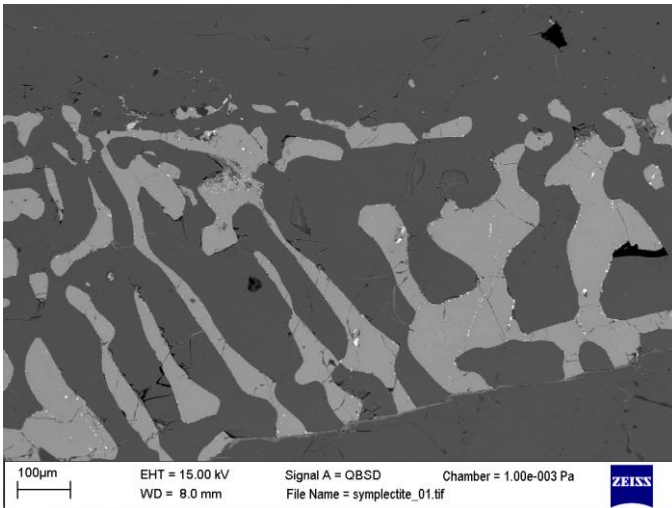
Back scattered electron (BSE) images record variations in bulk atomic number (composition) in a sample. These provide an early identification of mineralogical textures, including zoning and intergrowths as well as compositional flaws in supposed homogeneous samples. Cathodoluminescence (CL) images record emission of UV, visible light and IR from a sample being irradiated by an electron beam. As with BSE images these may provide important textural information.



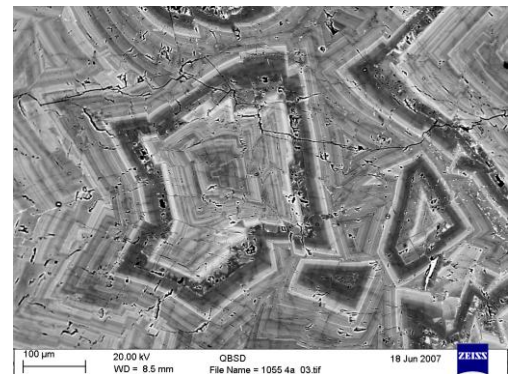
CL image of a zoned zircon



CL image of a zoned apatite crystal



SEM back-scattered image of symplectite intergrowth of (spinel (light) and tourmaline (dark))



Back-scattered electron image of a zoned carbonate crystal

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