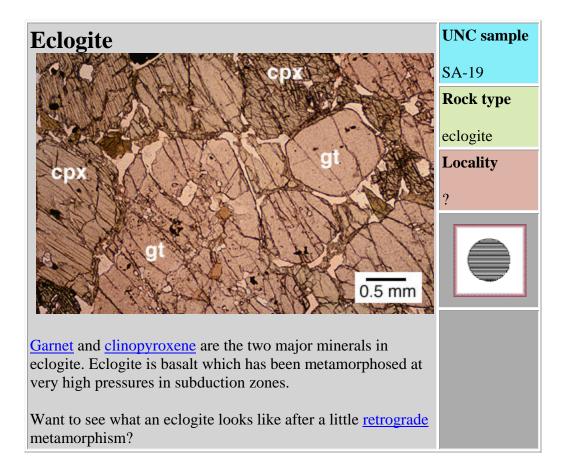
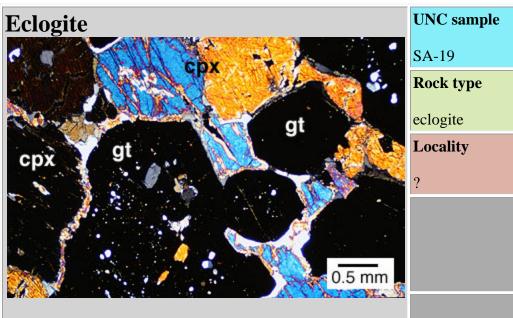


case, the foliation is defined by aligned sheets of $\frac{\text{muscovite}}{\text{muscovite}}$ sandwiched between $\frac{\text{quartz}}{\text{quartz}}$ grains.



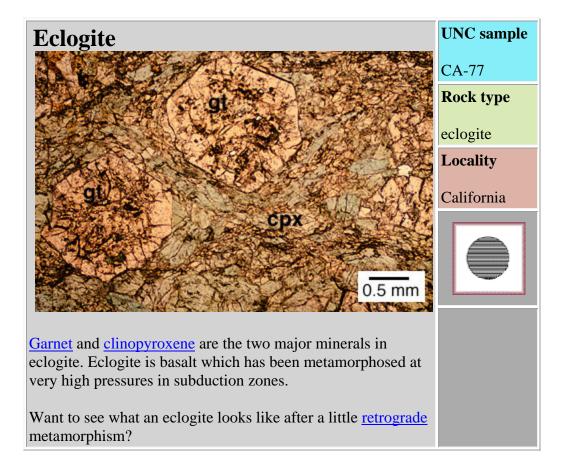


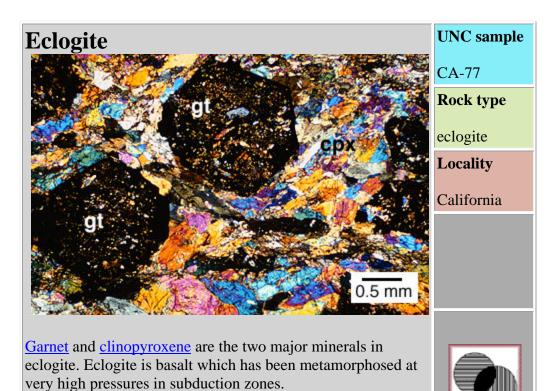


<u>Garnet</u> and <u>clinopyroxene</u> are the two major minerals in eclogite. Eclogite is basalt which has been metamorphosed at very high pressures in subduction zones.

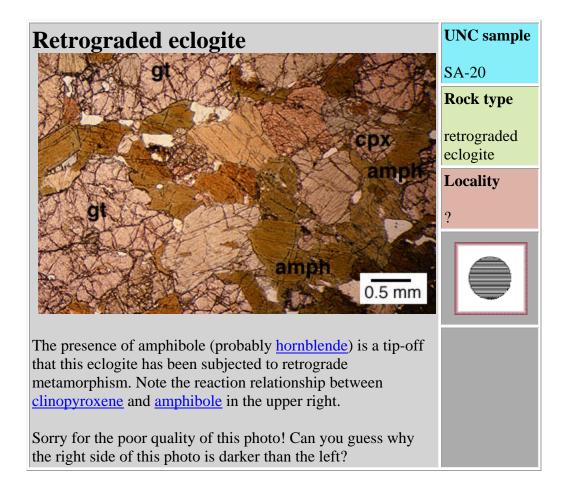


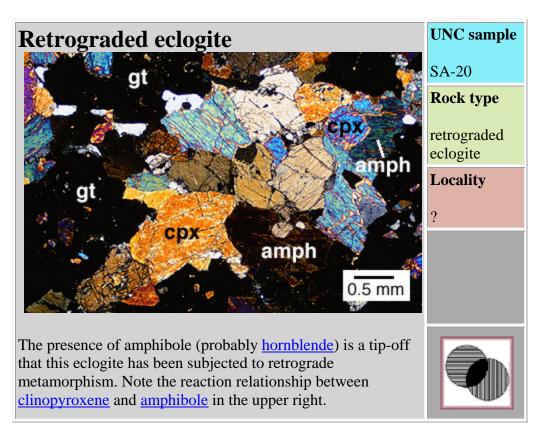
Want to see what an eclogite looks like after a little <u>retrograde</u> metamorphism?

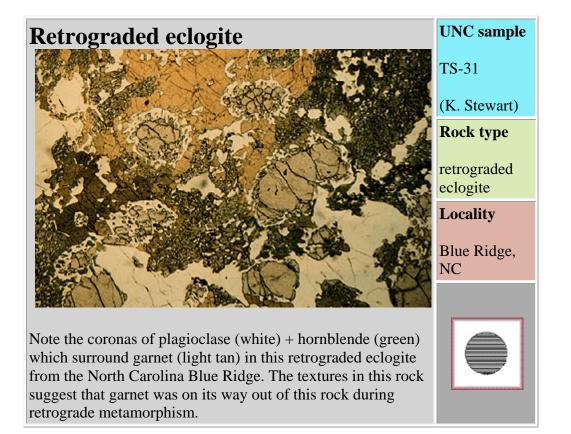


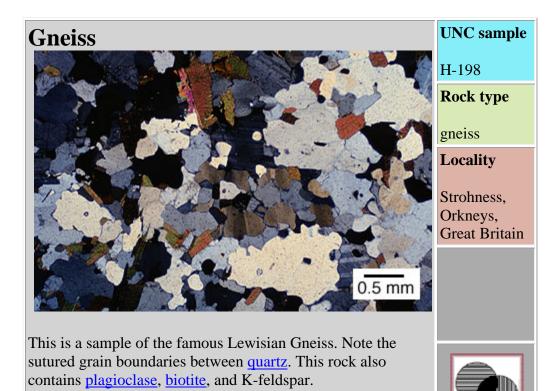


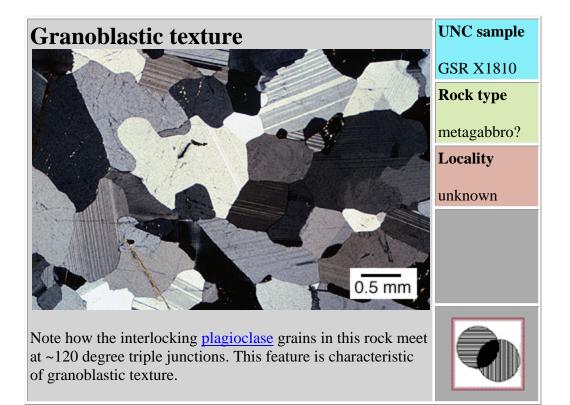
Want to see what an eclogite looks like after a little <u>retrograde</u> metamorphism?

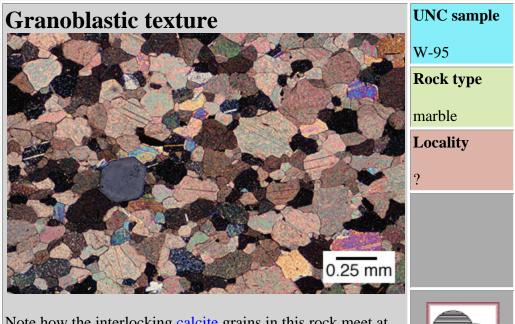






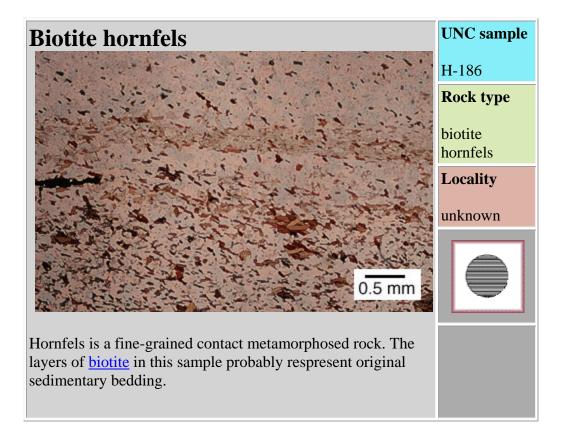


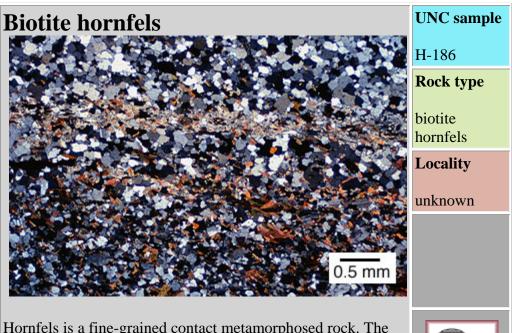




Note how the interlocking <u>calcite</u> grains in this rock meet at ~120 degree triple junctions. This feature is characteristic of granoblastic texture.

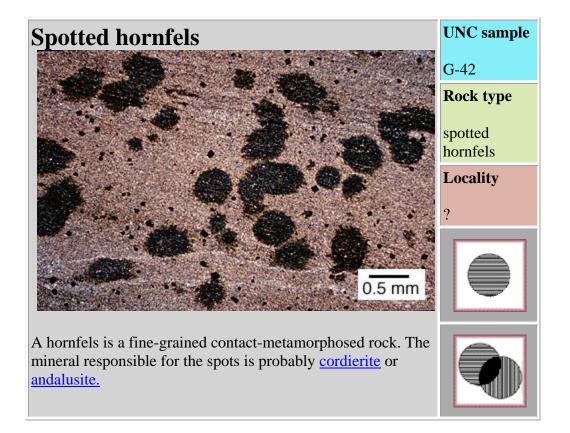


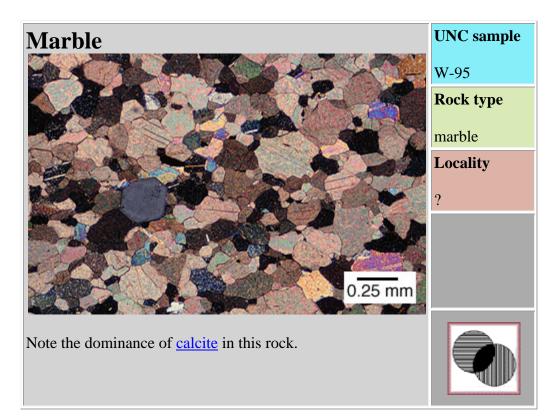


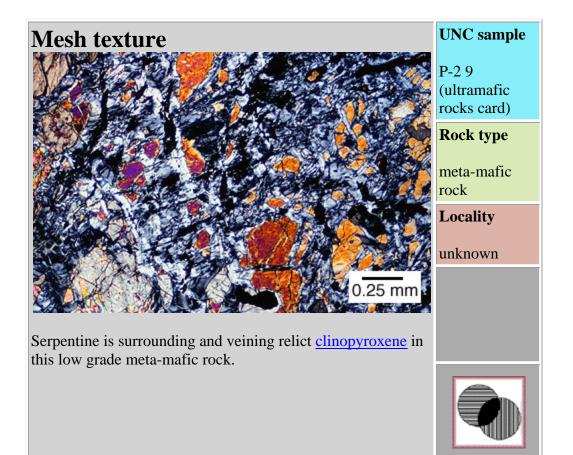


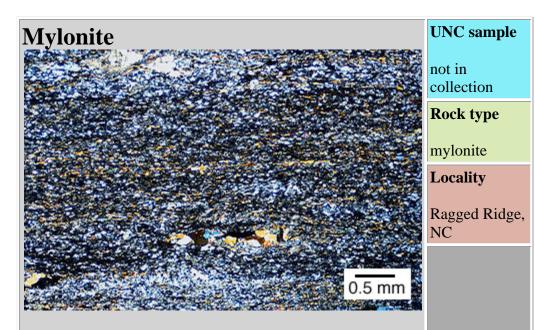
Hornfels is a fine-grained contact metamorphosed rock. The layers of <u>biotite</u> in this sample probably respresent original sedimentary bedding.





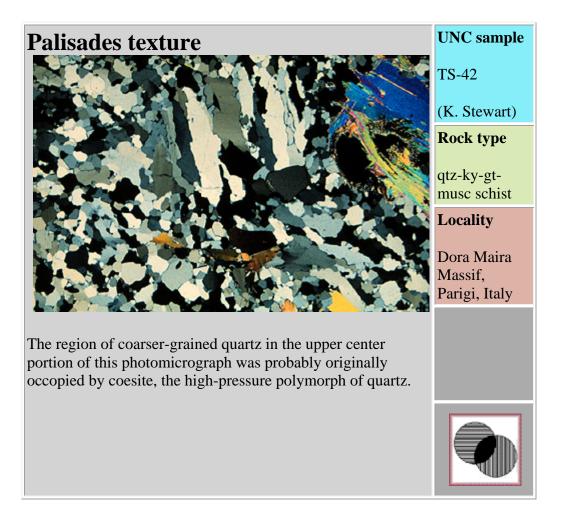


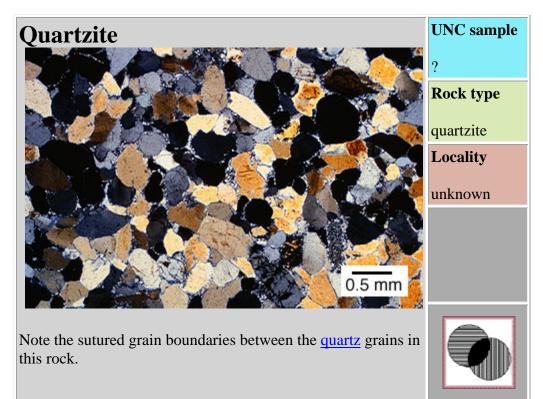


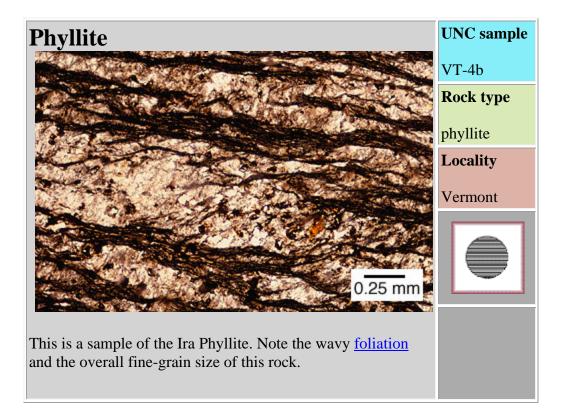


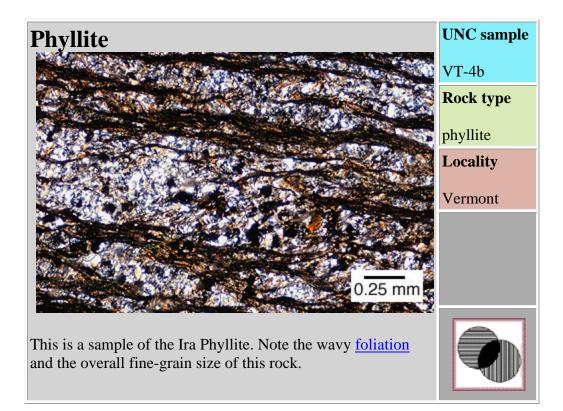
Note the extremely fine grain size and strong foliation in this mylonite. These features were probably caused by intense shearing.

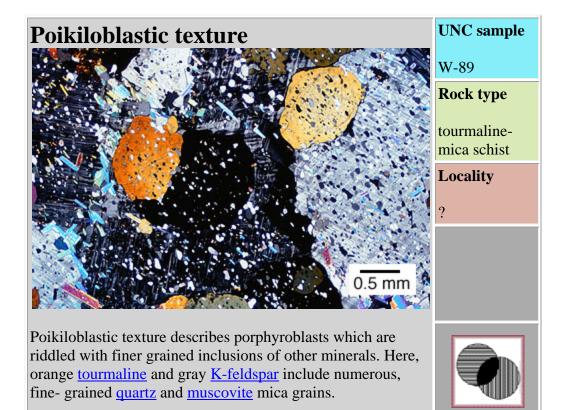














This is an andalusite <u>porphyroblast</u> with poikiloblastic texture. Also note how the <u>foliation</u> (oriented roughly N-S in this view) is wrapped around the left and right corners of this grain, suggesting synkinematic growth of the andalusite porphyroblast.



