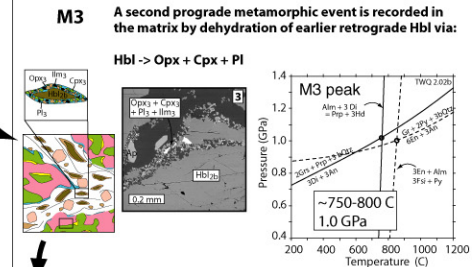
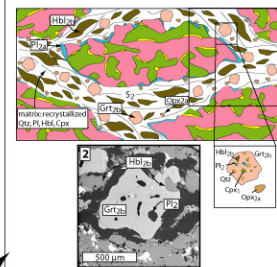
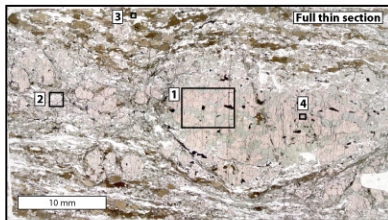
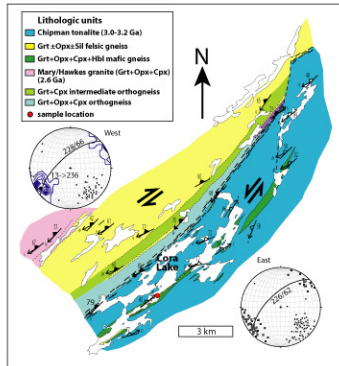




Cora Lake area

The Cora lake area separates NE-striking dextral from NE-striking sinistral strike-slip mylonite. Deformation in both zones occurred at granulite-facies conditions, but an ongoing challenge is determining the timing (relative and absolute) and significance of each zone. Deformation and reaction textures in a distinct series of mafic granulite bodies within the SE zone of sinistral mylonite provide valuable information and demonstrate the important role of heterogeneous deformation.



Timing?
Other local studies indicate that the youngest high-P granulite-facies event in the area occurred at ca. 1.9 Ga (Flowers et al., 2002; Baldwin et al., 2003). Therefore, the M3 peak in these rocks is likely the same age. The age of M1 is unknown but an intriguing possibility is late Archean.



D2 (main)/M2 retrograde
Heterogeneous deformation and production of a retrograde Hbl-bearing assemblage via reactions such as:

$Grt + Cpx + Qtz \rightarrow Opx + Pl$
and
 $Opx + Cpx + Pl \rightarrow Grt + Hbl + Qtz$
or
 $Grt + Cpx + Qtz \rightarrow Hbl + Pl$

