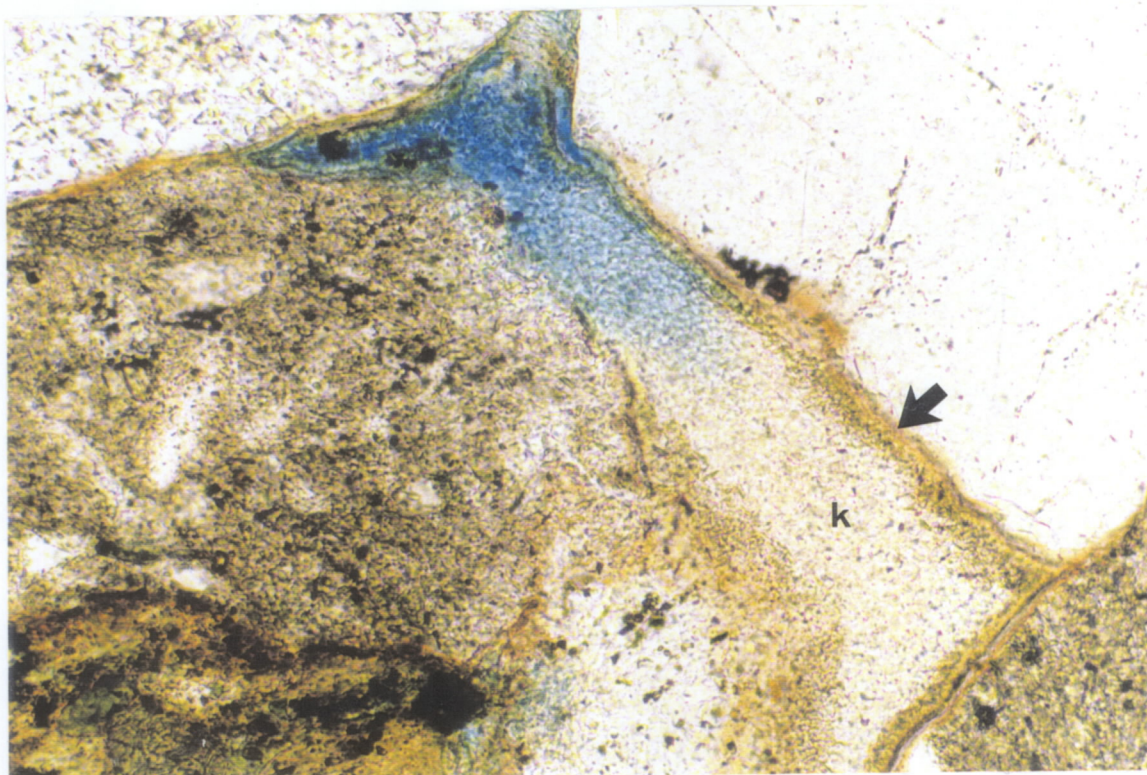


**Figure 1a**

General field of view under crossed nicols showing deformed lithics (L) and biotite filling most pores and less abundant angular feldspar. Some feldspars and mica are altered. Note the fresh zoned and twinned plagioclase. Swc 12, depth 1408.5m. Field of view 2.5mm.



**Figure 1b**

Angular quartz grain and more rounded volcanic lithic grain with rim of chlorite (arrow) creating pore space. Pore is partially filled with kaolinite (K). Swc 12, depth 1408.5m. Plane light. Field of view 0.5mm.