

9. Appendix A

9.1 Thin section scans and descriptions

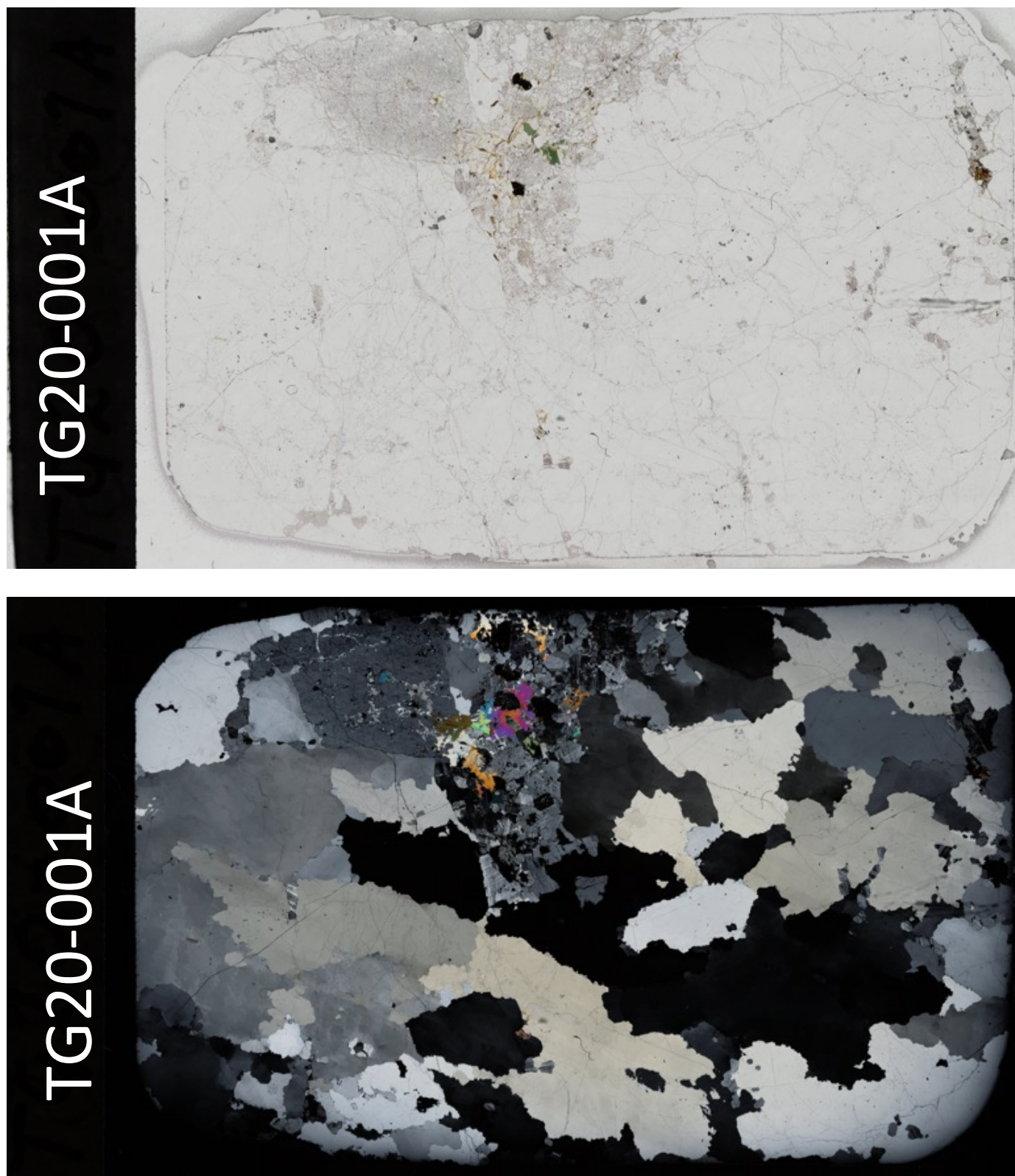
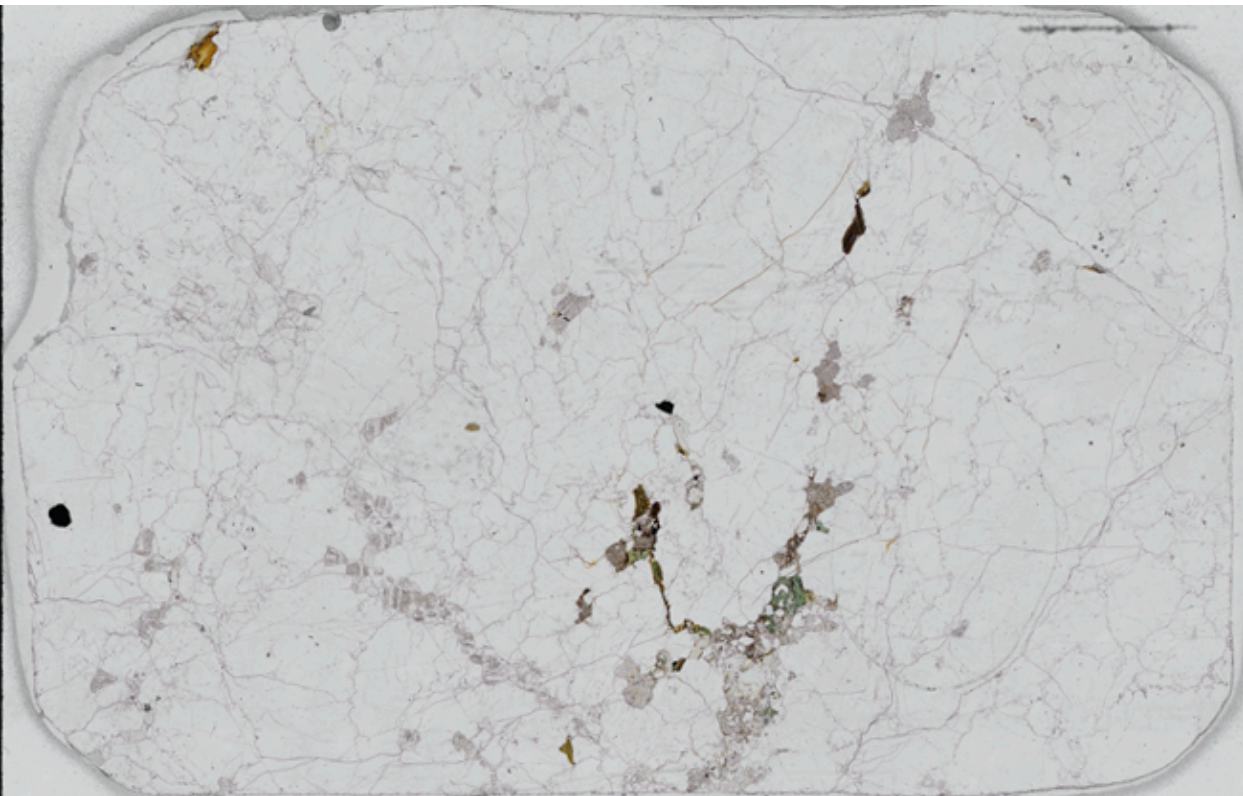


Figure 9.1: Thin section TG20-001A in plan polarized light (Fig. 9.1a) and in cross polarized light (Fig. 9.1b), magnification 5x.

TG20-001B



TG20-001B

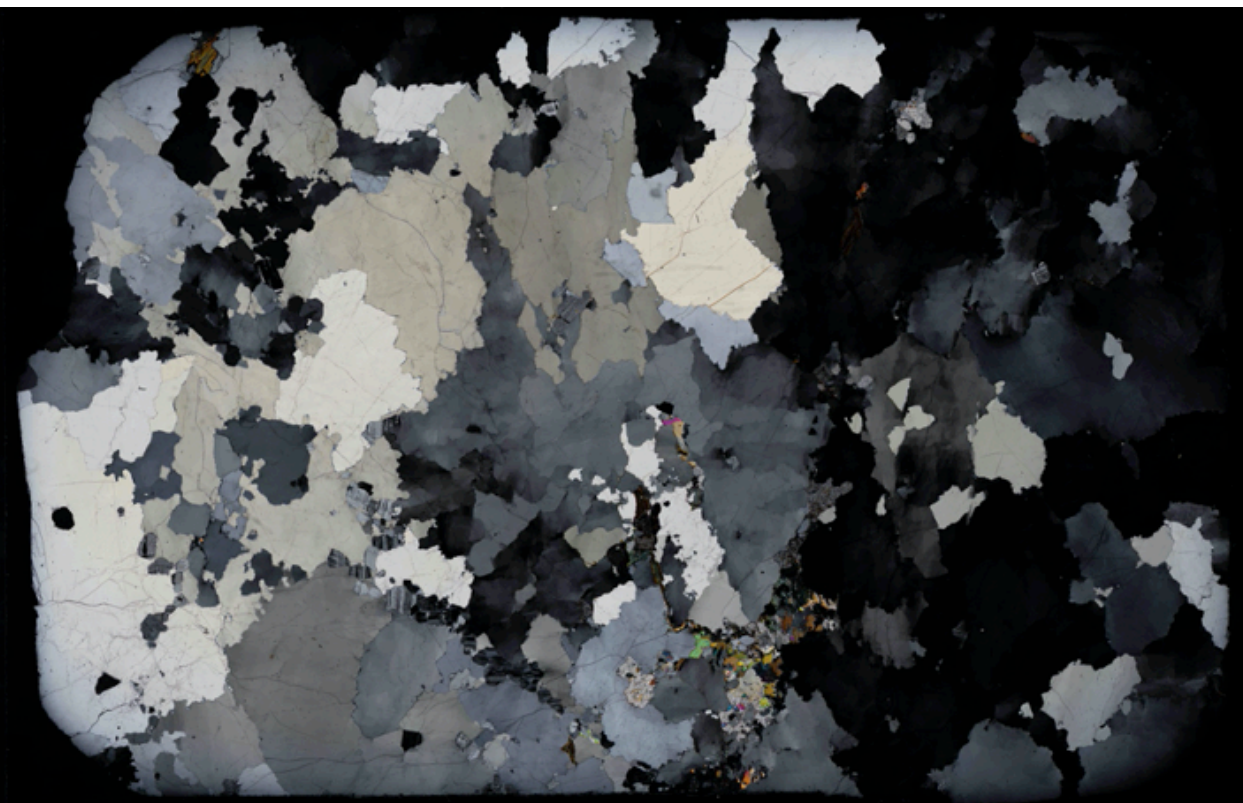


Figure 9.2: Thin section TG20-001B in plan polarized light (Fig. 9.2a) and in cross polarized light (Fig. 9.2b), magnification 5x.

TG20-002



TG20-002

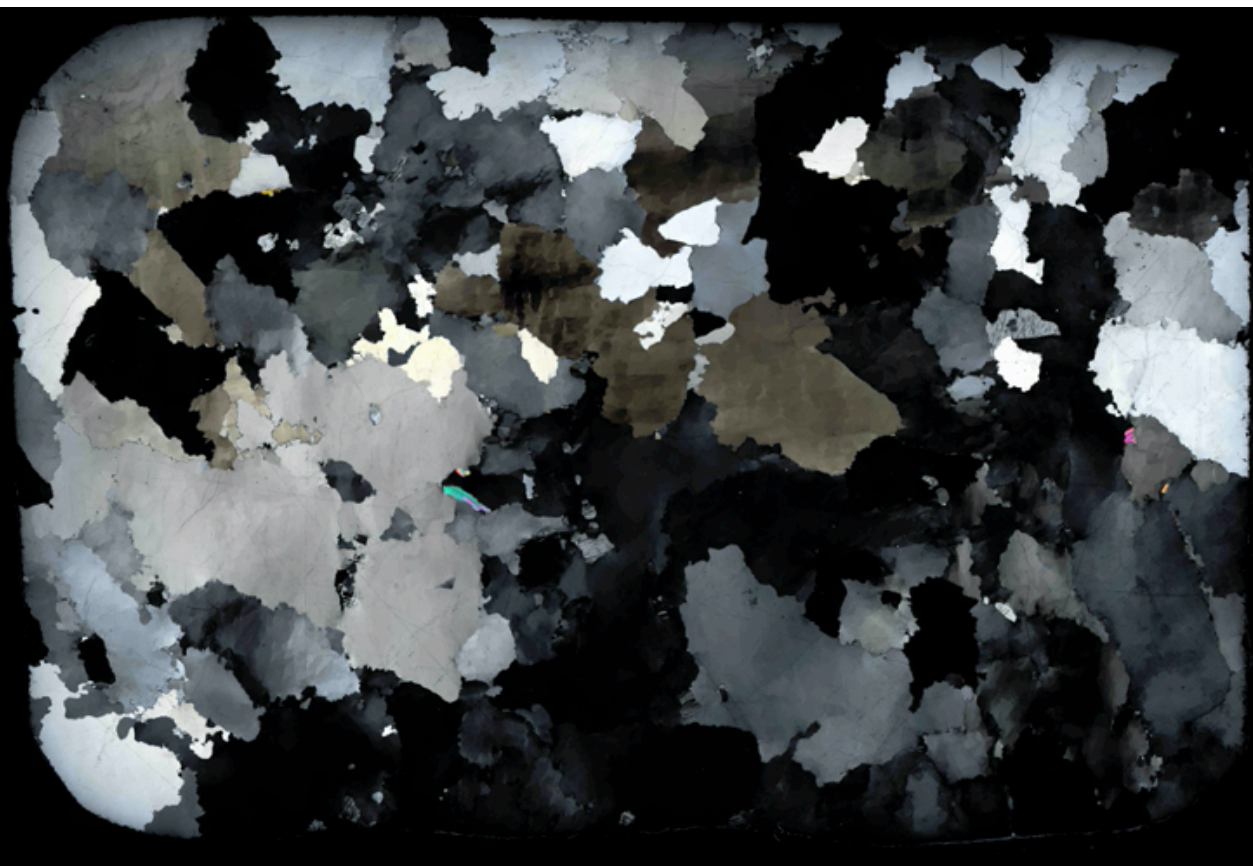
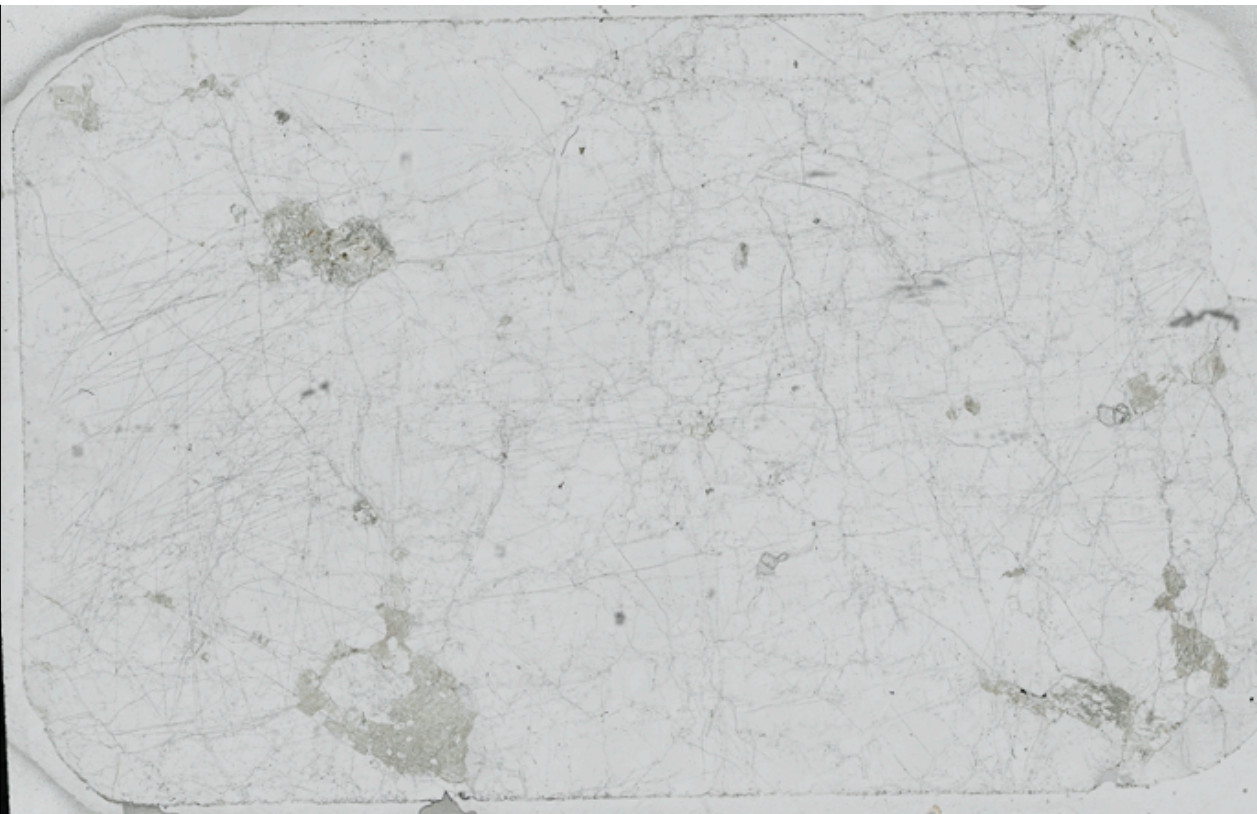


Figure 9.3: Thin section TG20-002 in plan polarized light (Fig. 9.3a) and in cross polarized light (Fig. 9.3b), magnification 5x.

TG20-003



TG20-003

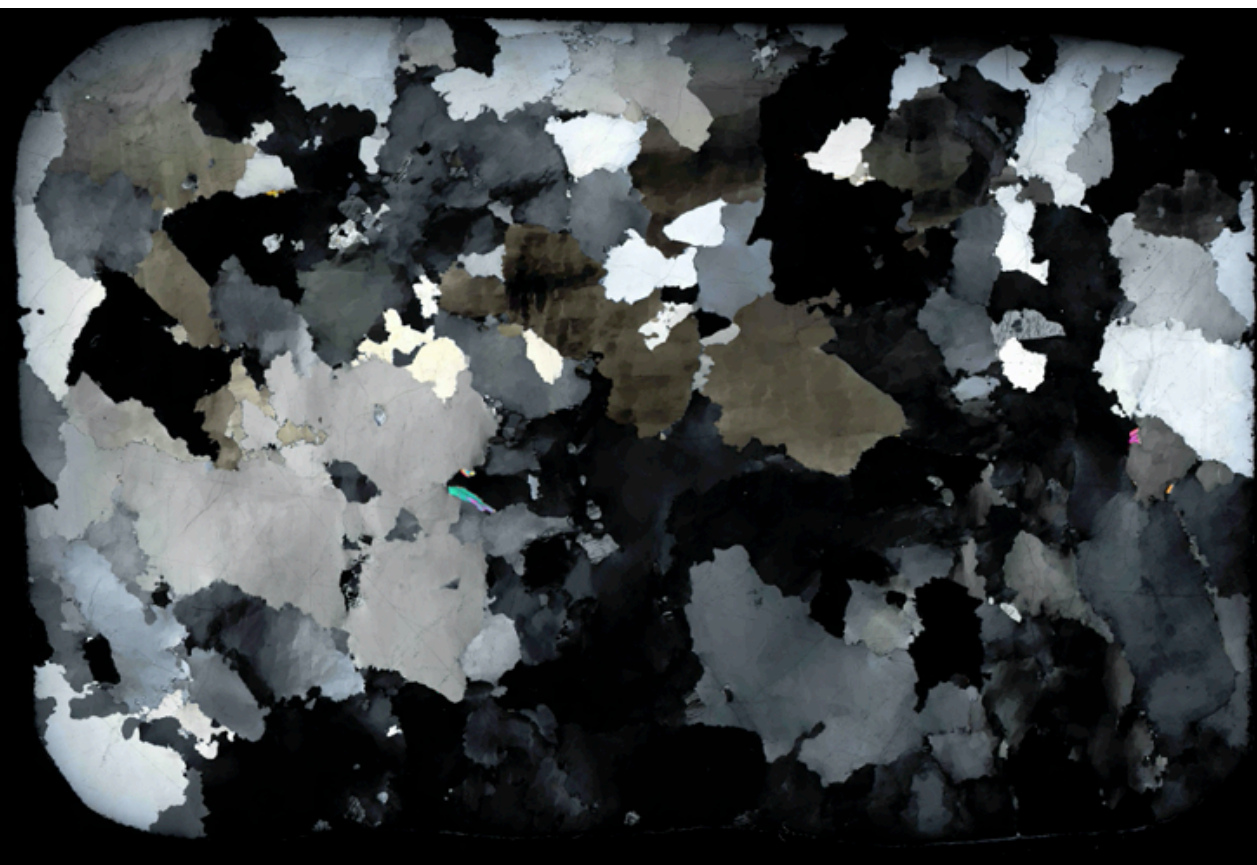
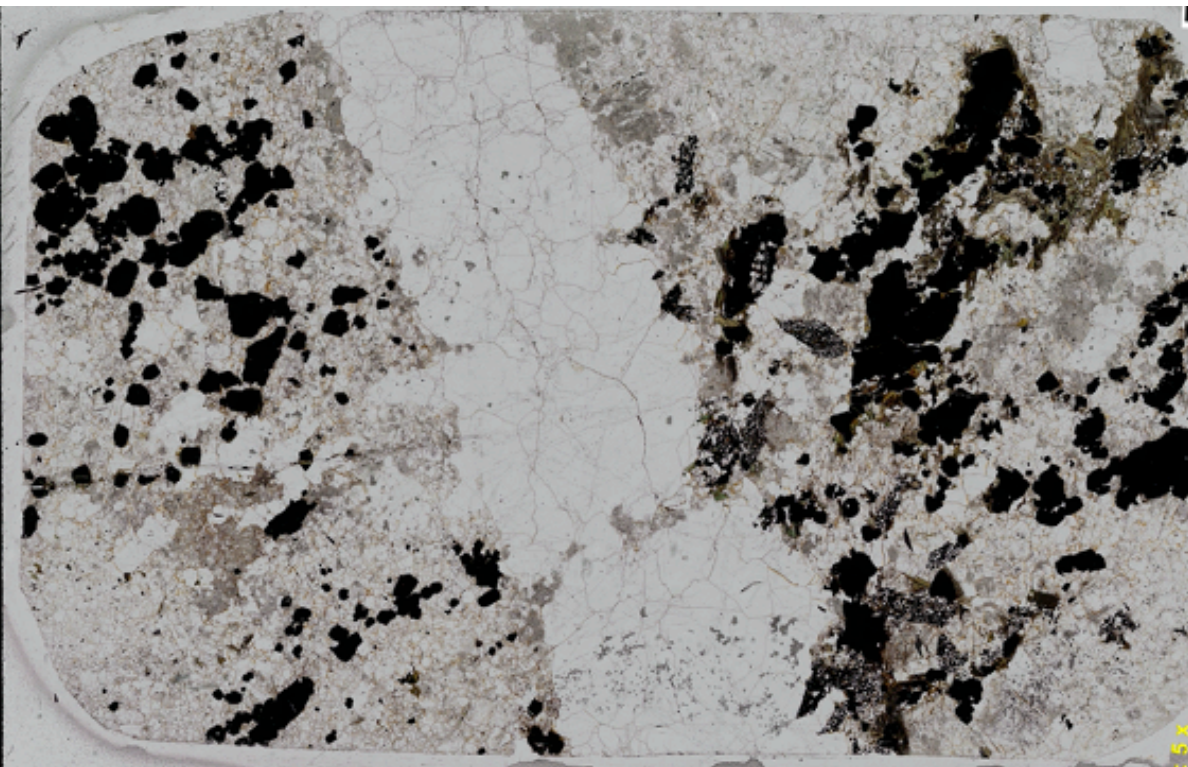


Figure 9.4: Thin section TG20-002 in plan polarized light (Fig. 9.4a) and in cross polarized light (Fig. 9.4b), magnification 5x.

TG20-004



TG20-004

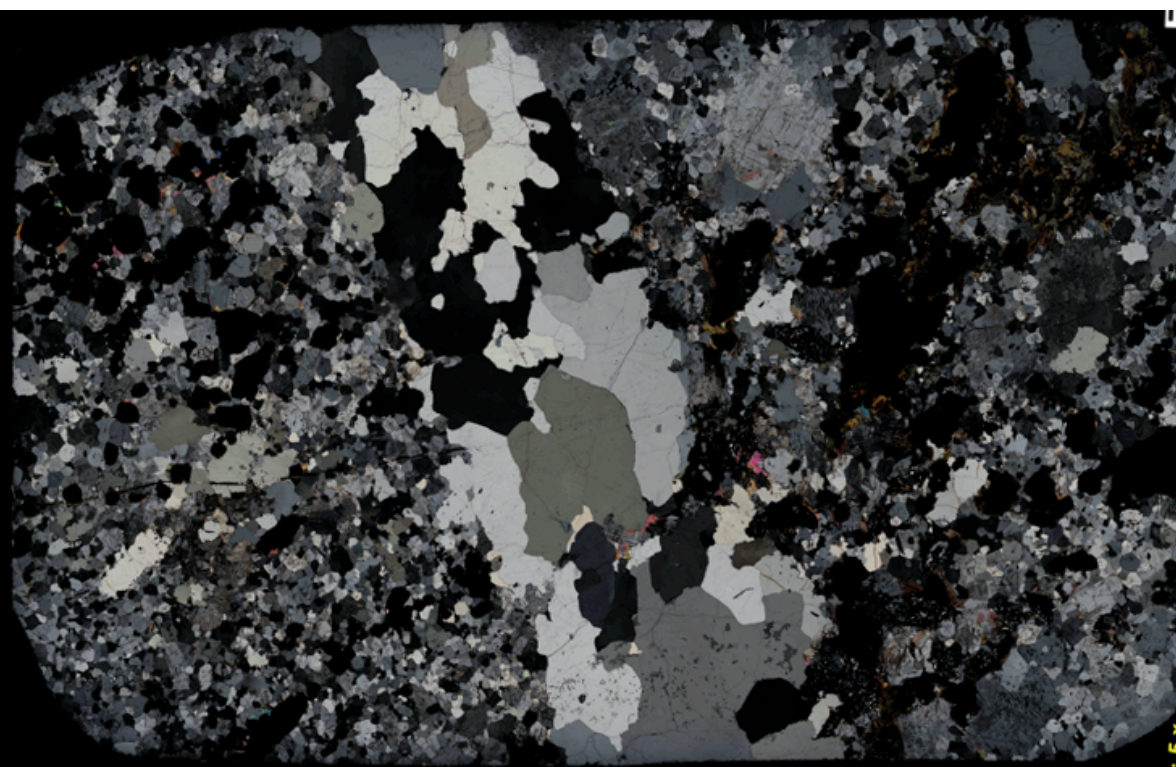
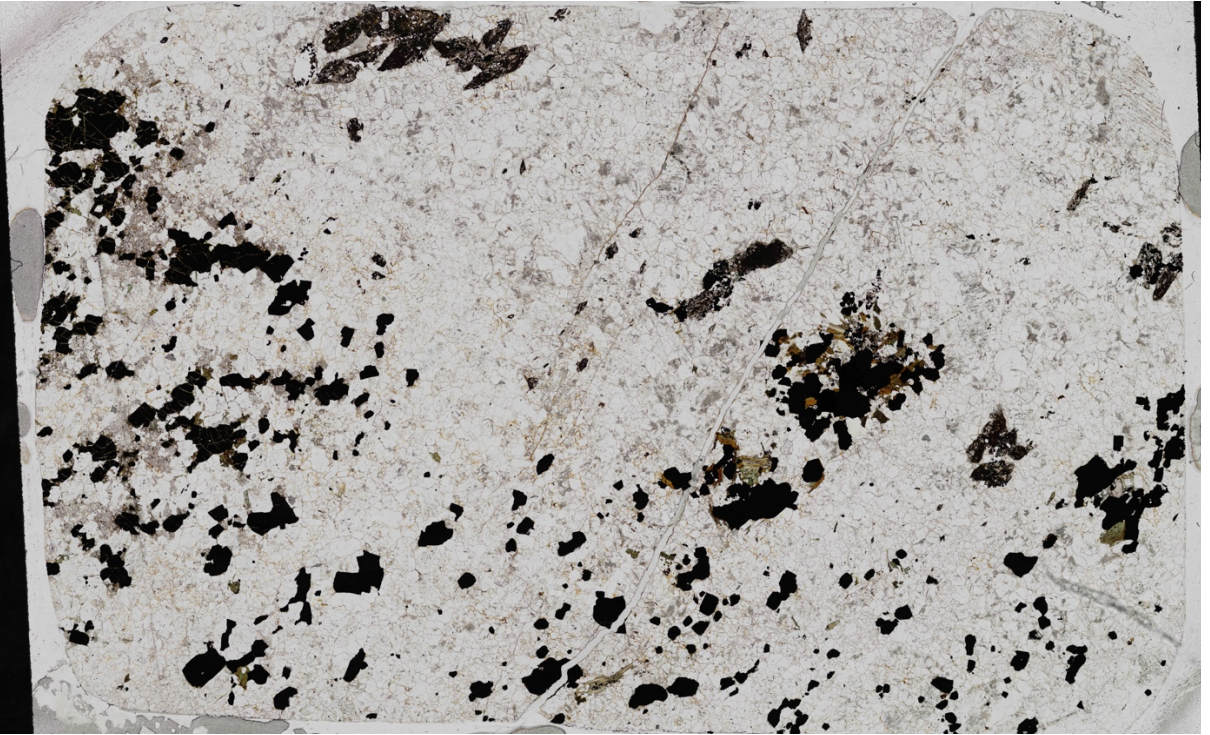


Figure 9.5: Thin section TG20-002 in plan polarized light (Fig. 9.5a) and in cross polarized light (Fig. 9.5b), magnification 5x.

TG20-005



TG20-005

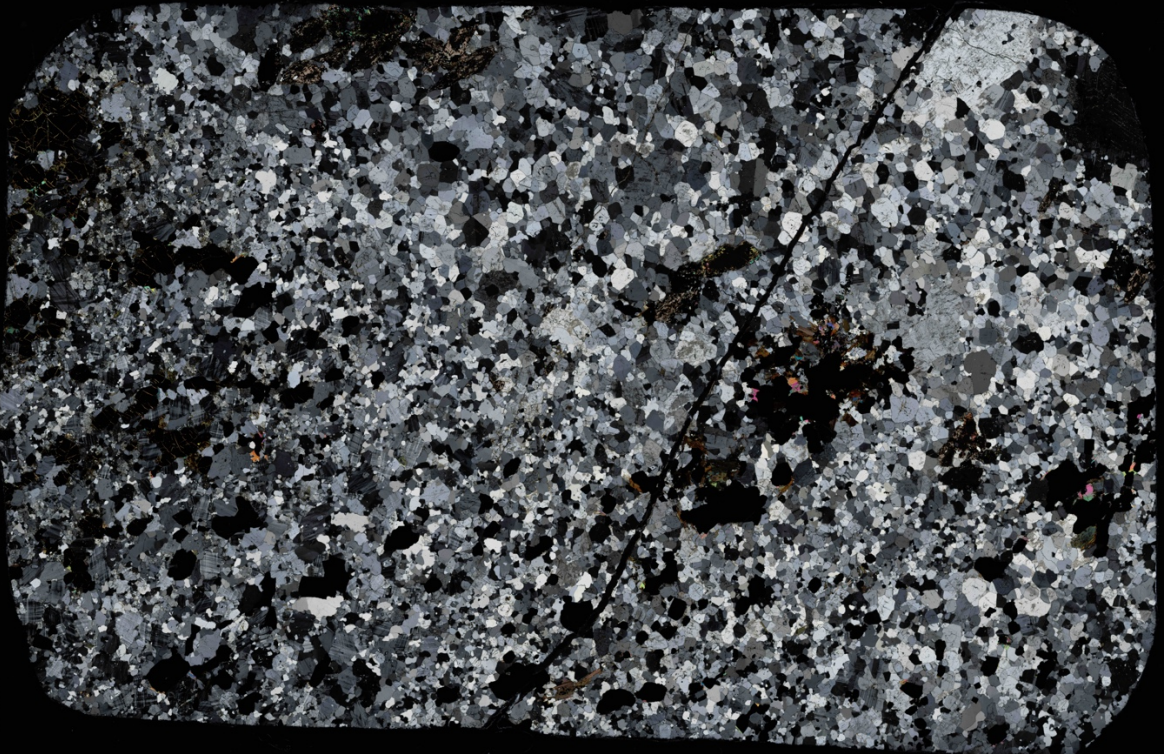


Figure 9.6: Thin section TG20-002 in plan polarized light (Fig. 9.6a) and in cross polarized light (Fig. 9.6b), magnification 5x.

Sample	Type	Textures	Quartz	Feldspar	Micas	Amphibole	Cassiterite	Accessory minerals
TG20-001A	Quartz-vein	Mix of straight and lobate grain boundaries	>70% quartz Coarse grained Allotriomorphic Undulating extinction	~<5% Microcline and orthoclase Xenoblastic accumulation Fine grained	<3% Muscovite and biotite	Hornblende	-	Two opaque grains (possibly cassiterite, magnetite or rutile)
TG20-001B	Quartz-vein	Mix of straight and lobate grain boundaries Chessboard texture Well developed biotite in plagioclase	>70% quartz Coarse grained Allotriomorphic Undulating extinction	~<5 % Microcline and orthoclase Xenoblastic accumulation Fine grained	<3% Muscovite and biotite	-	-	<0,5% Pyroxene One opaque mineral in top One olivine grain
TG20-002	Quartz-vein	Mix of straight and lobate grain boundaries Chessboard texture	>90% quartz Coarse grained Allotriomorphic Undulating extinction	~<2% Orthoclase and microcline Xenoblastic accumulation Fine grained	Five grains of biotite with random emplacement	-	-	
TG20-003	Quartz-vein	Mix of straight and lobate grain boundaries Chessboard texture	>70% quartz Coarse grained Allotriomorphic Undulating extinction	~<5 % Oligoclase and orthoclase Xenoblastic accumulation Fine grained	<3% Muscovite and biotite	-	-	
TG20-004	Aplite and Quartz vein	Dynamic recrystallization evidence in quartz	>40% quartz No signs of deformation in hydrothermal vein.	~>20% feldspars Dominated by sericitisation and sauserittisation	<5% Biotite and muscovite	Present	Present, but not identified by optical microscope	Olivine
0-005	Aplite	Poicilitic texture in altered titanite Dynamic recrystallization evidence in quartz	>40% quartz	~>30% feldspar Dominated by sericitisation and sauserittisation	<5% Biotite and muscovite	Present	Present, but not identified by optical microscope	Altered titanite Olivine

Figure 9.7: Petrographic description of thin sections.