

Supplemental material – thin sections

| Samples | Sampled lithologies |
|-----------|-------------------------------------|
| 5A-21D-4I | Dyke (meladiorite) |
| 5A-21D-4J | Dyke (quartz-diorite) |
| 5A-32R-2C | Meladiorite and quartz-diorite |
| 5G-35D-2B | Dyke (meladiorite) |
| 6C-8D-6 | Meladiorite and quartz-diorite |
| 6C-15D-4G | Dyke (mafic) |
| 6E-22D-6A | Meladiorite |
| PLD-6-1 | Quartz-diorite and biotite-tonalite |
| PLD-29-8 | Quartz-diorite |
| PLD-30-5A | Quartz-diorite |
| PLD-31-6B | Meladiorite |
| PMD-8-4 | Quartz-diorite |
| PMD-9-5 | Biotite-tonalite |

Elements of interest:

- Main phases (feldspar, quartz, amphibole, biotite);
- Porphyritic texture;
- Zoning in feldspar;
- Metamorphism and deformation (PMD samples).

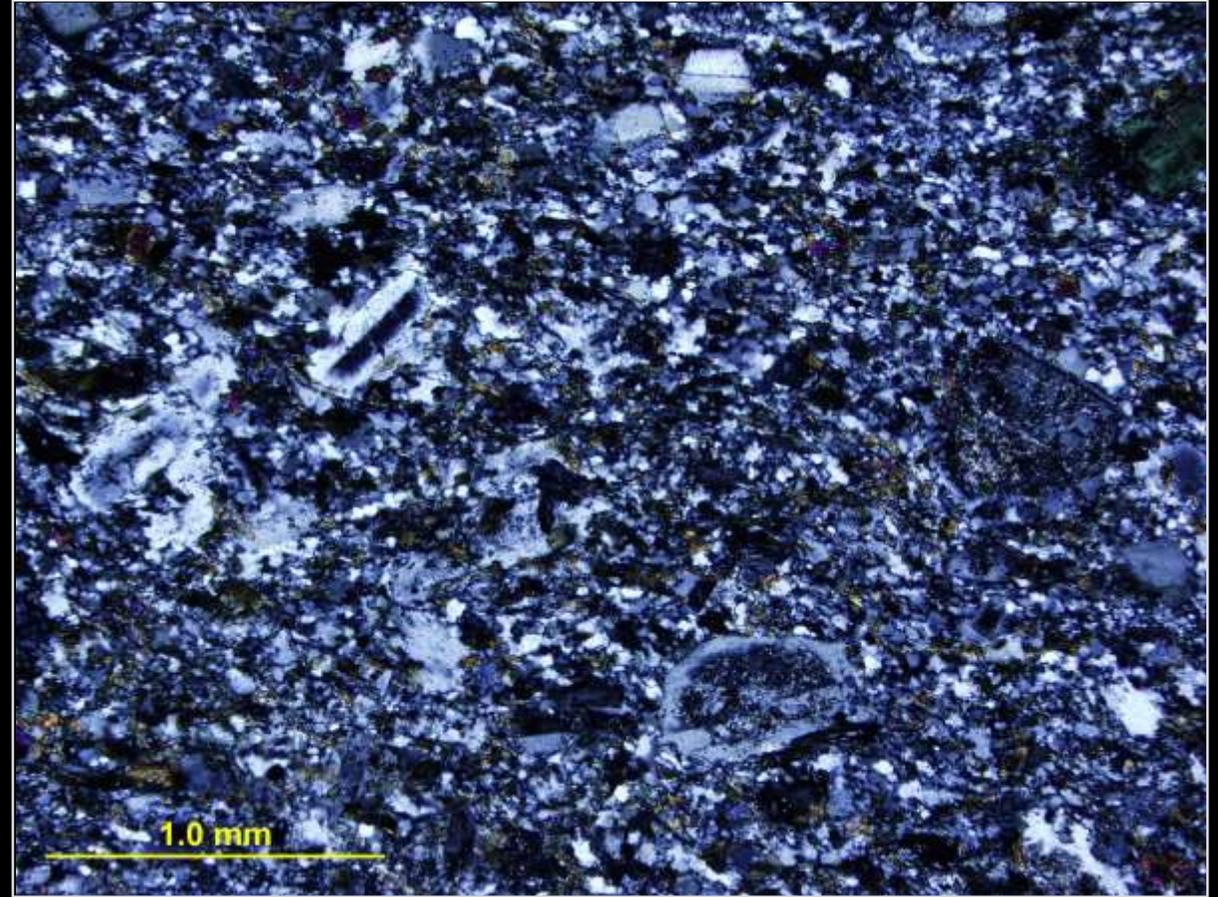
Note on sample selection: only the freshest samples are shown; i.e., with preserved feldspar and biotite.

Sample 5A-21D-4I



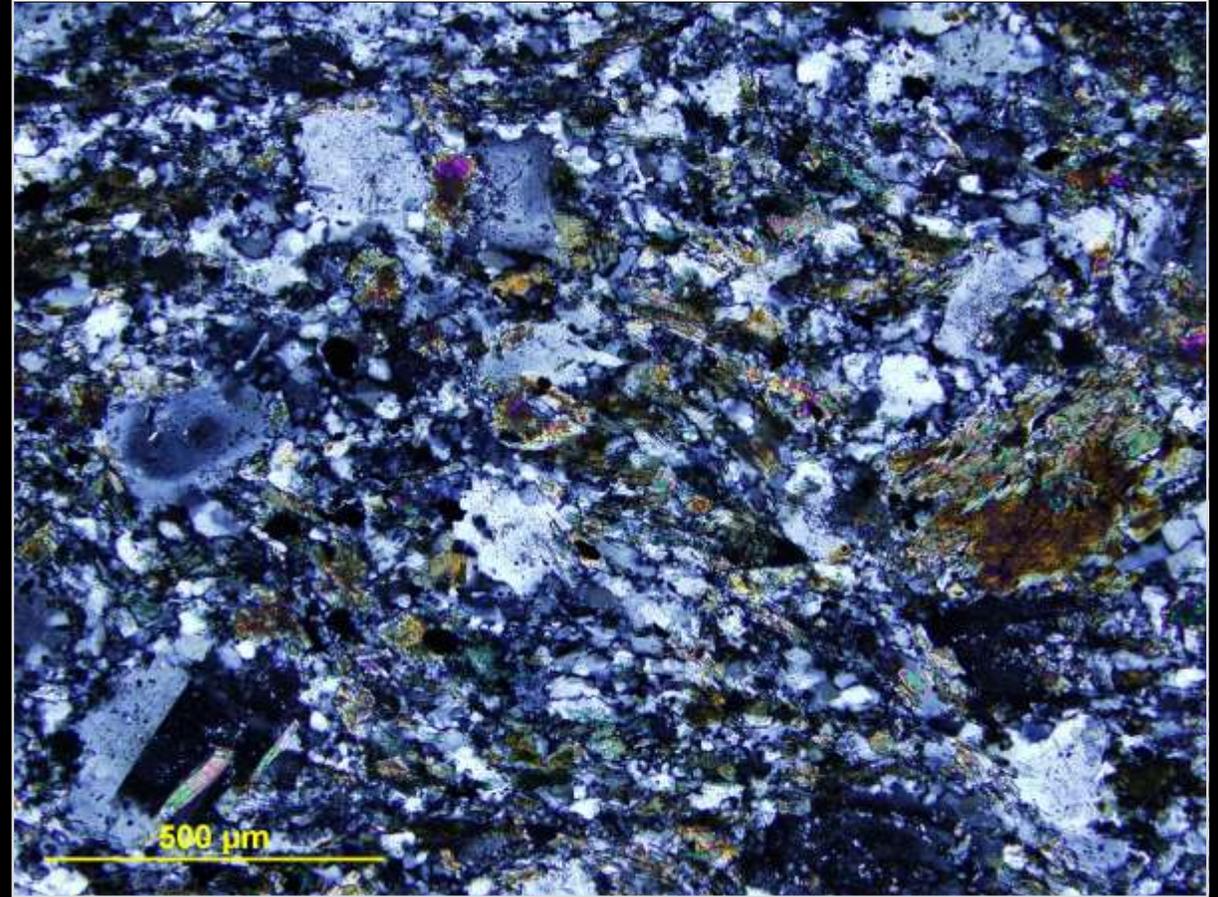
Plane transmitted and cross polarized light microphotographs

Sample 5A-21D-4J



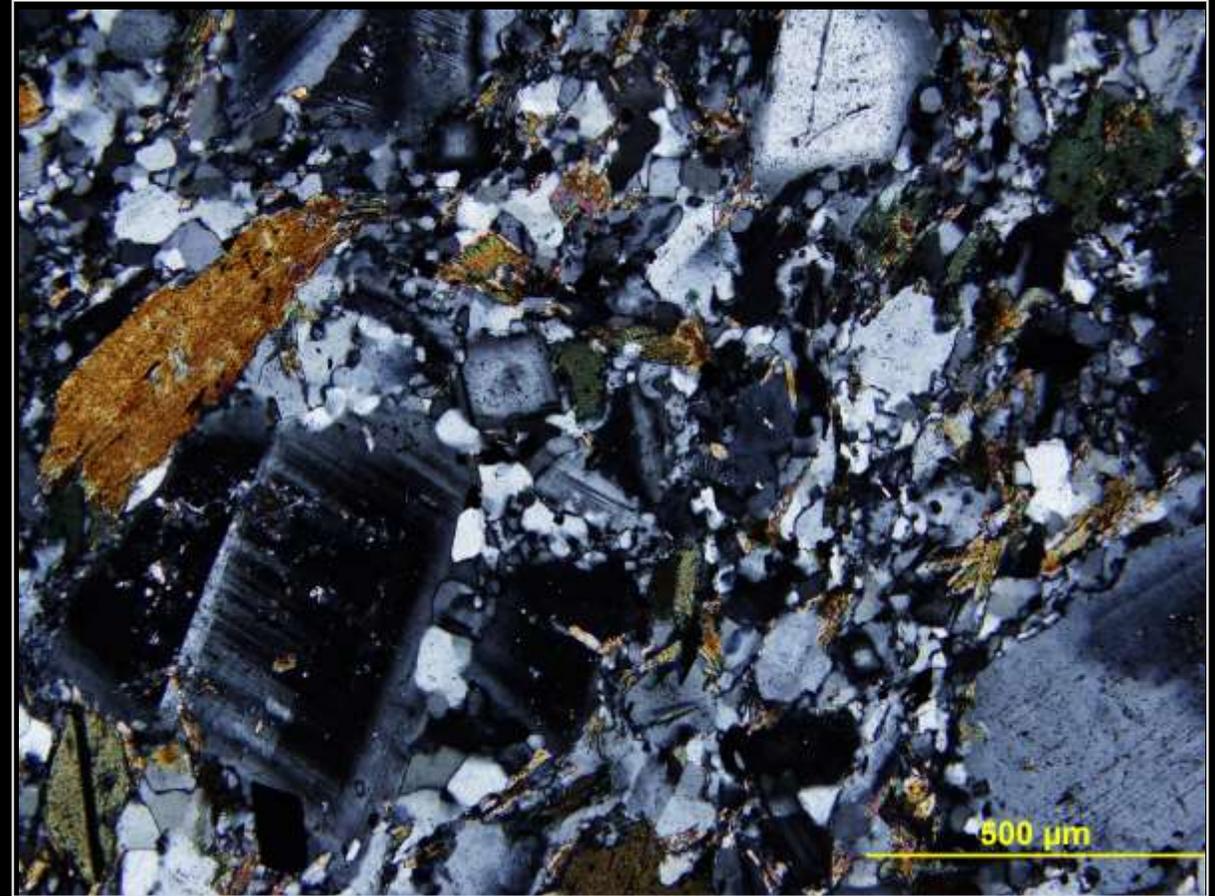
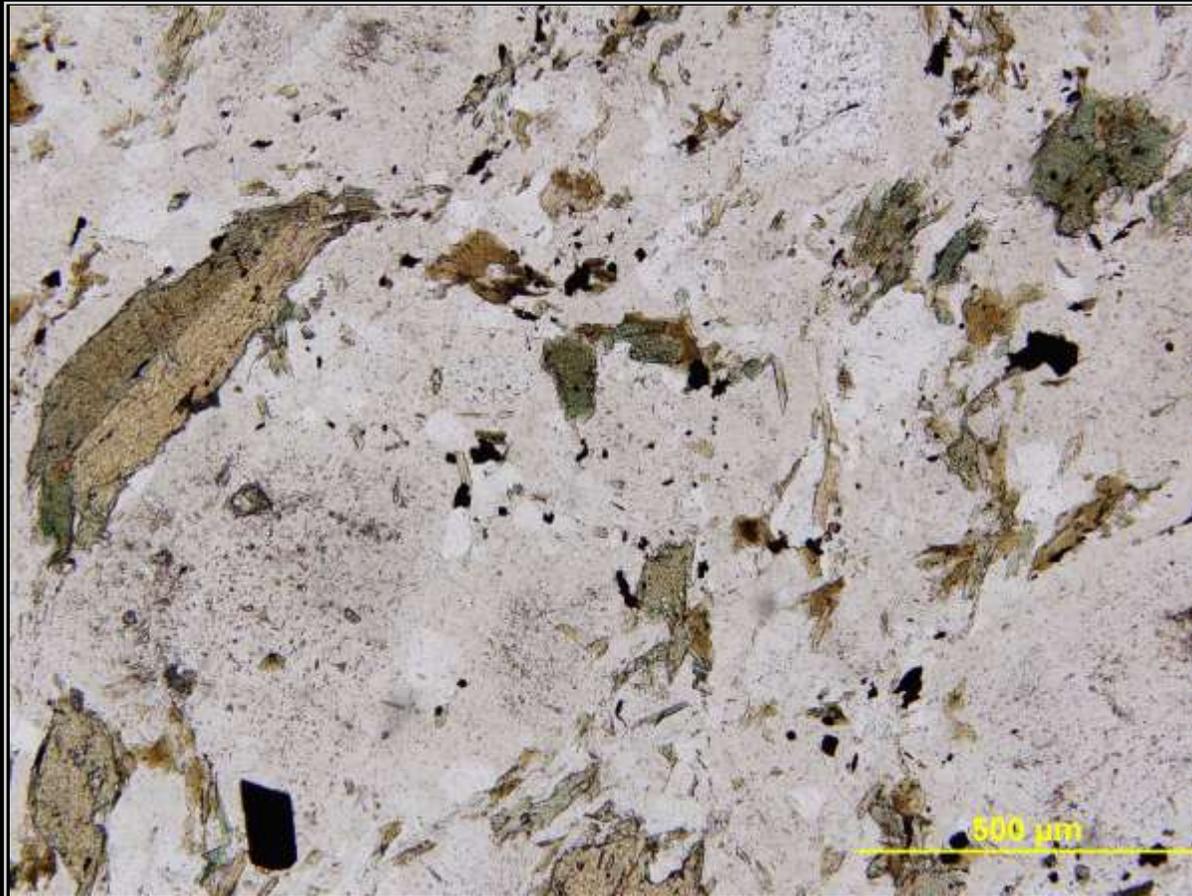
Plane transmitted and cross polarized light microphotographs

Sample 5A-21D-4J



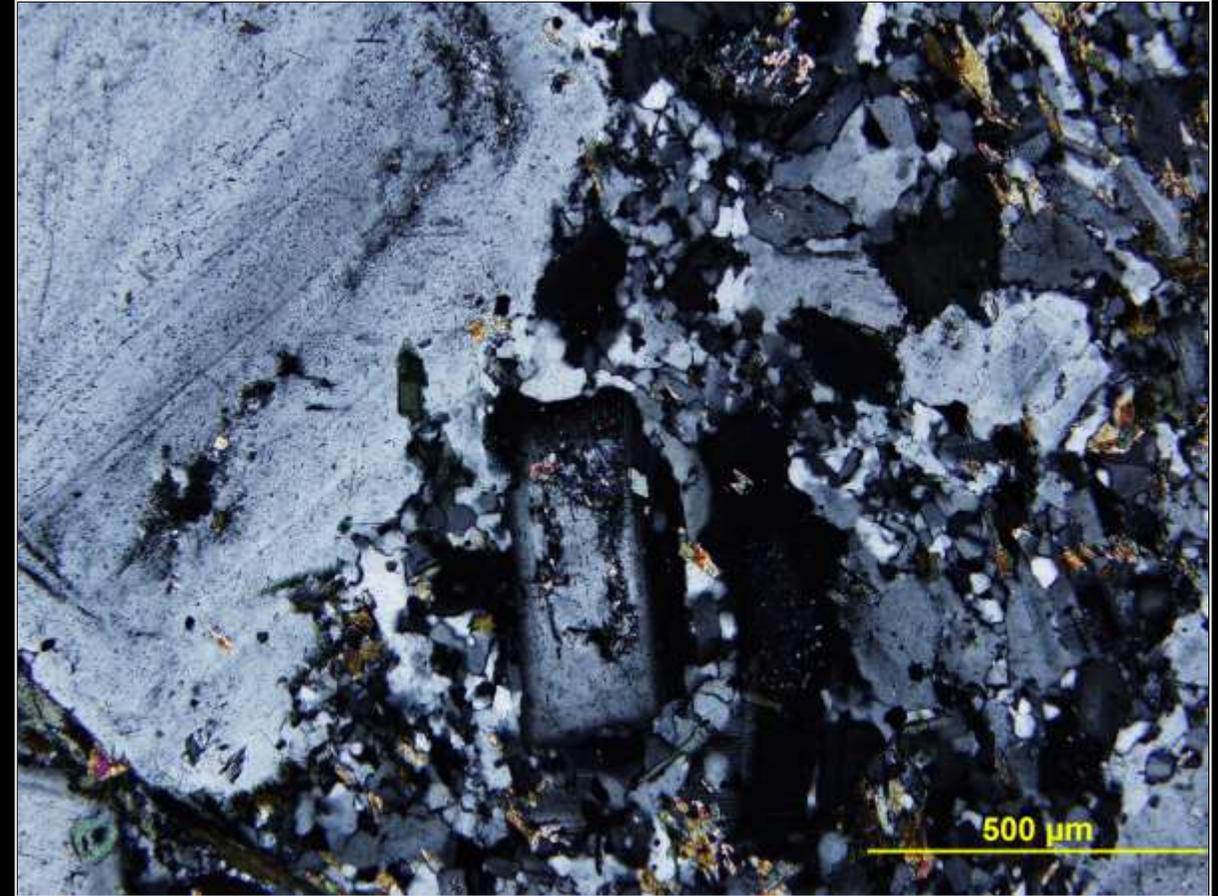
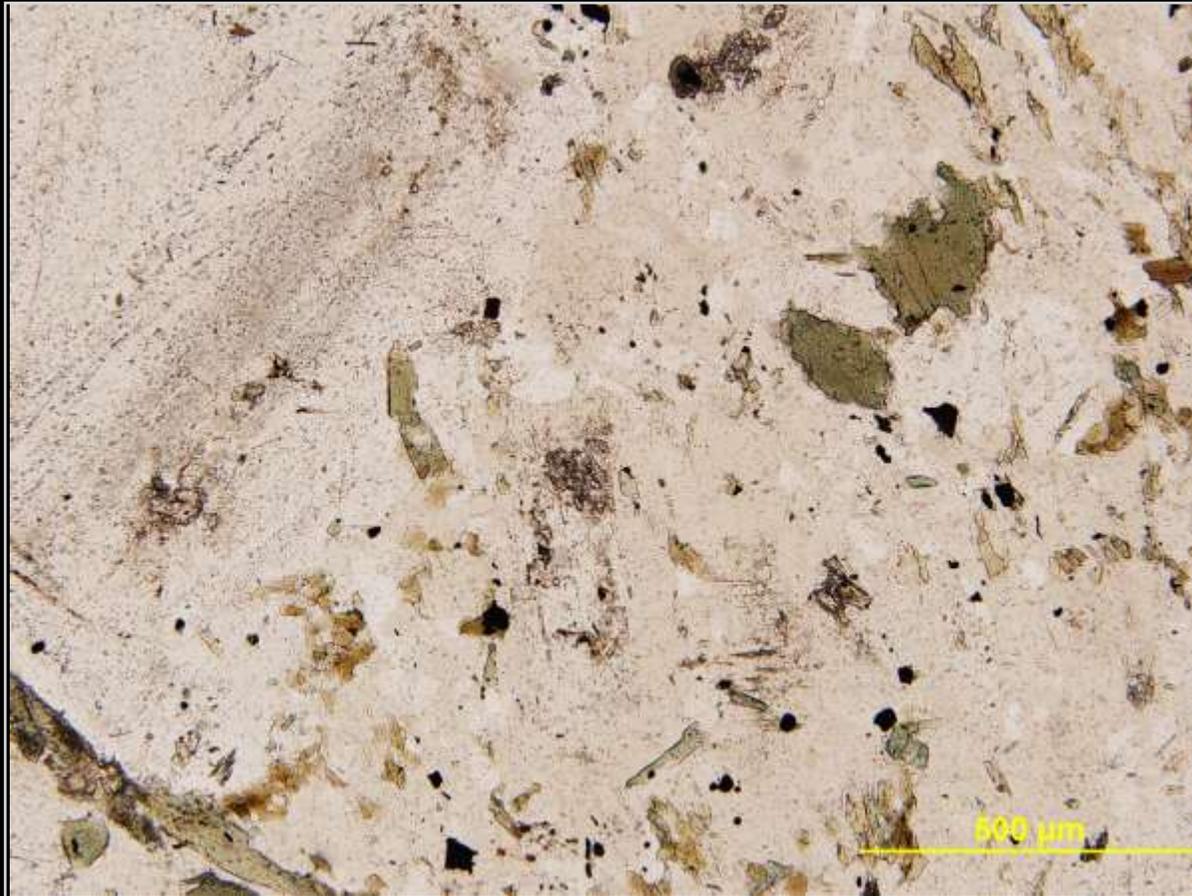
Plane transmitted and cross polarized light microphotographs

Sample 5A-32R-2C



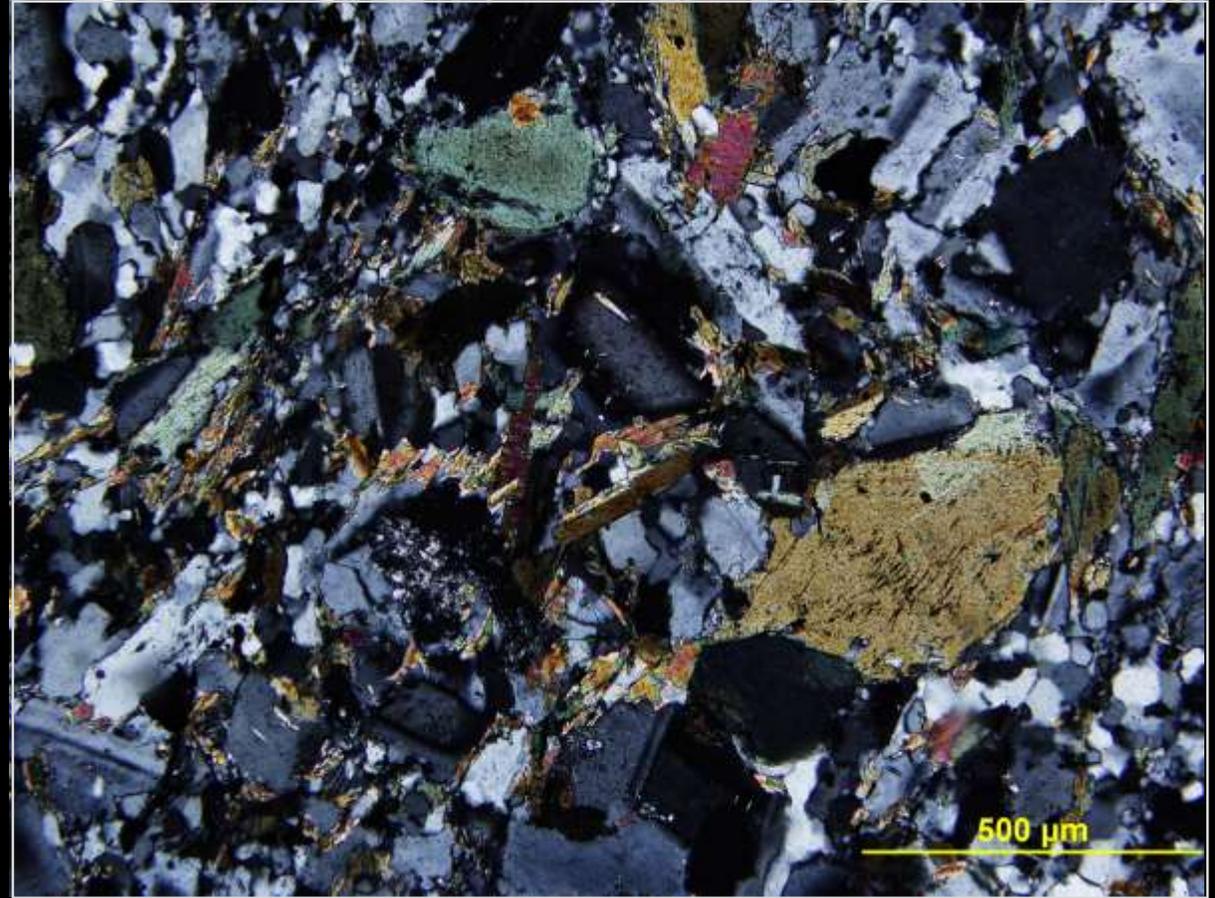
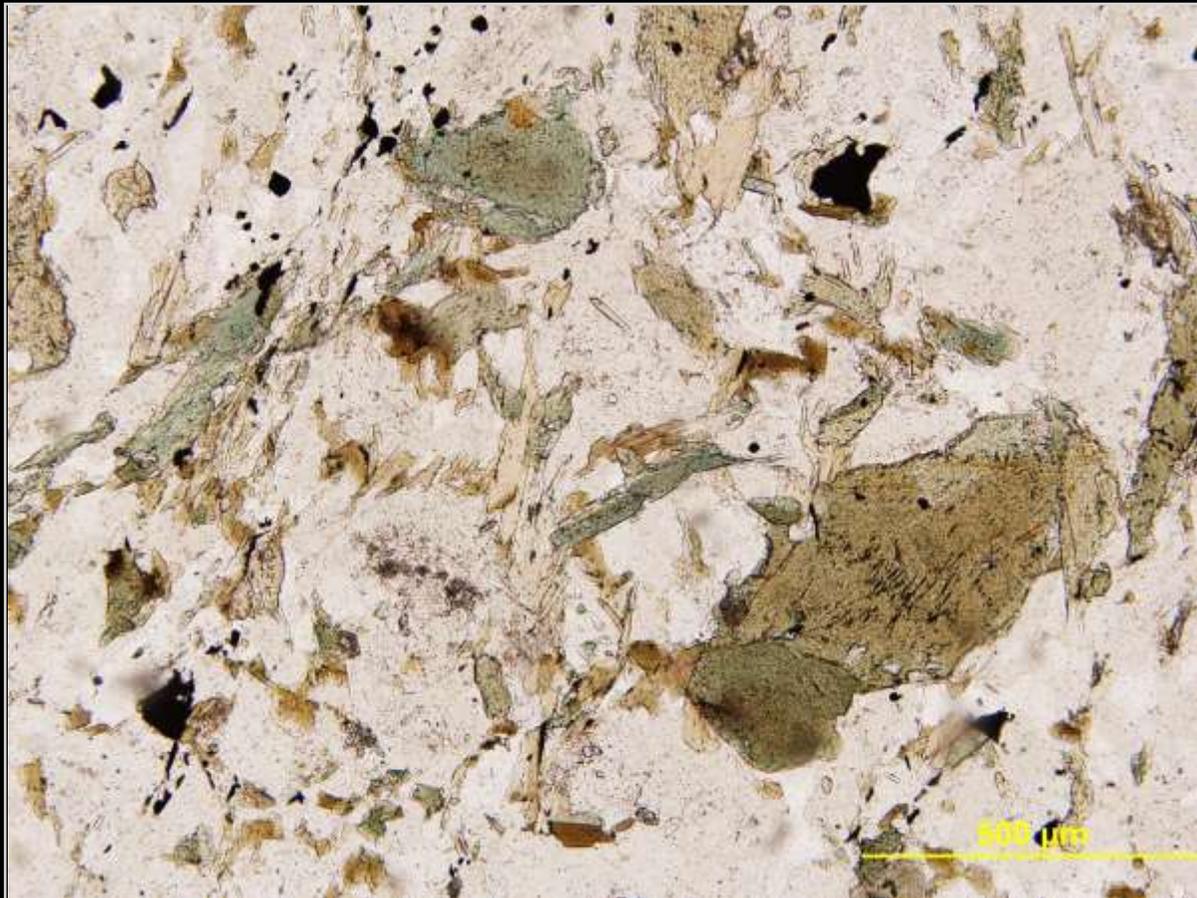
Plane transmitted and cross polarized light microphotographs

Sample 5A-32R-2C



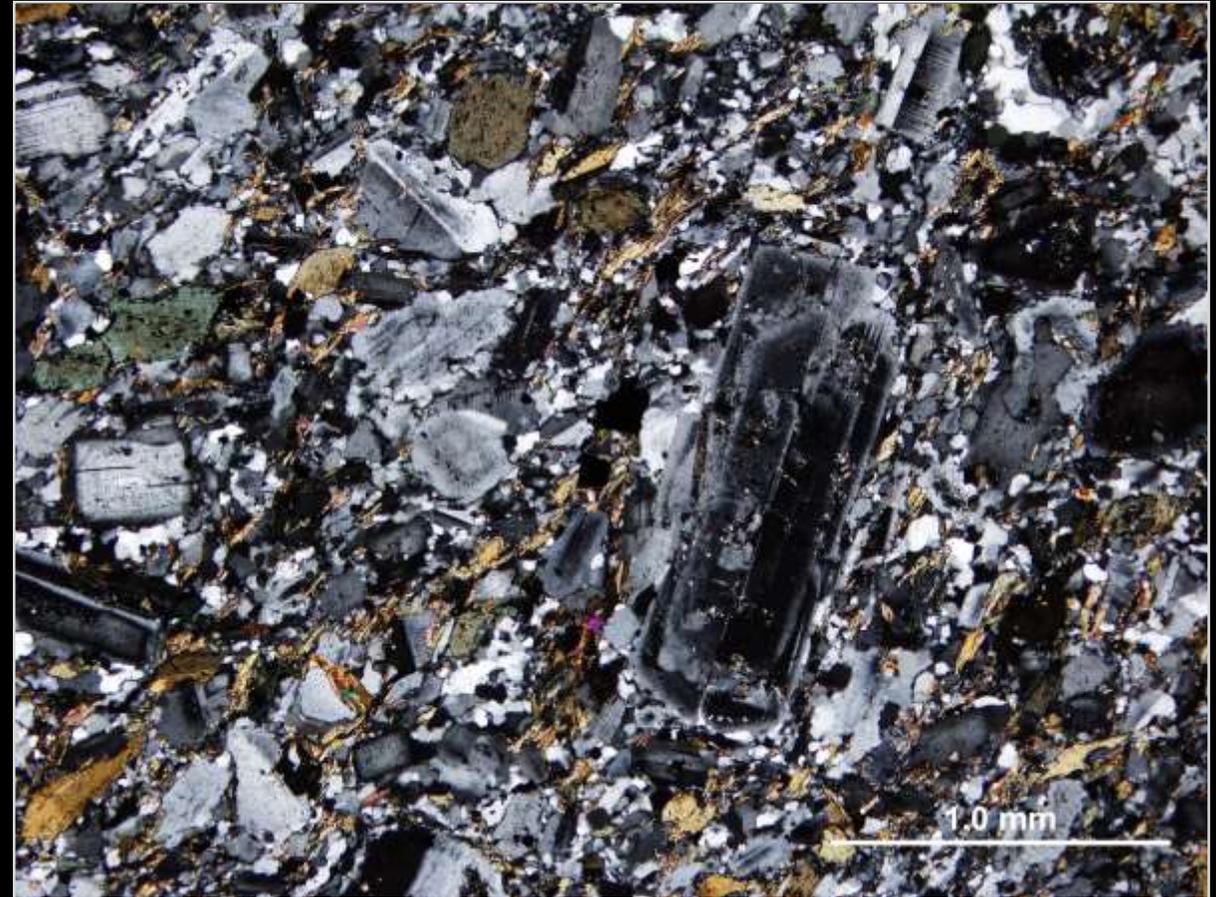
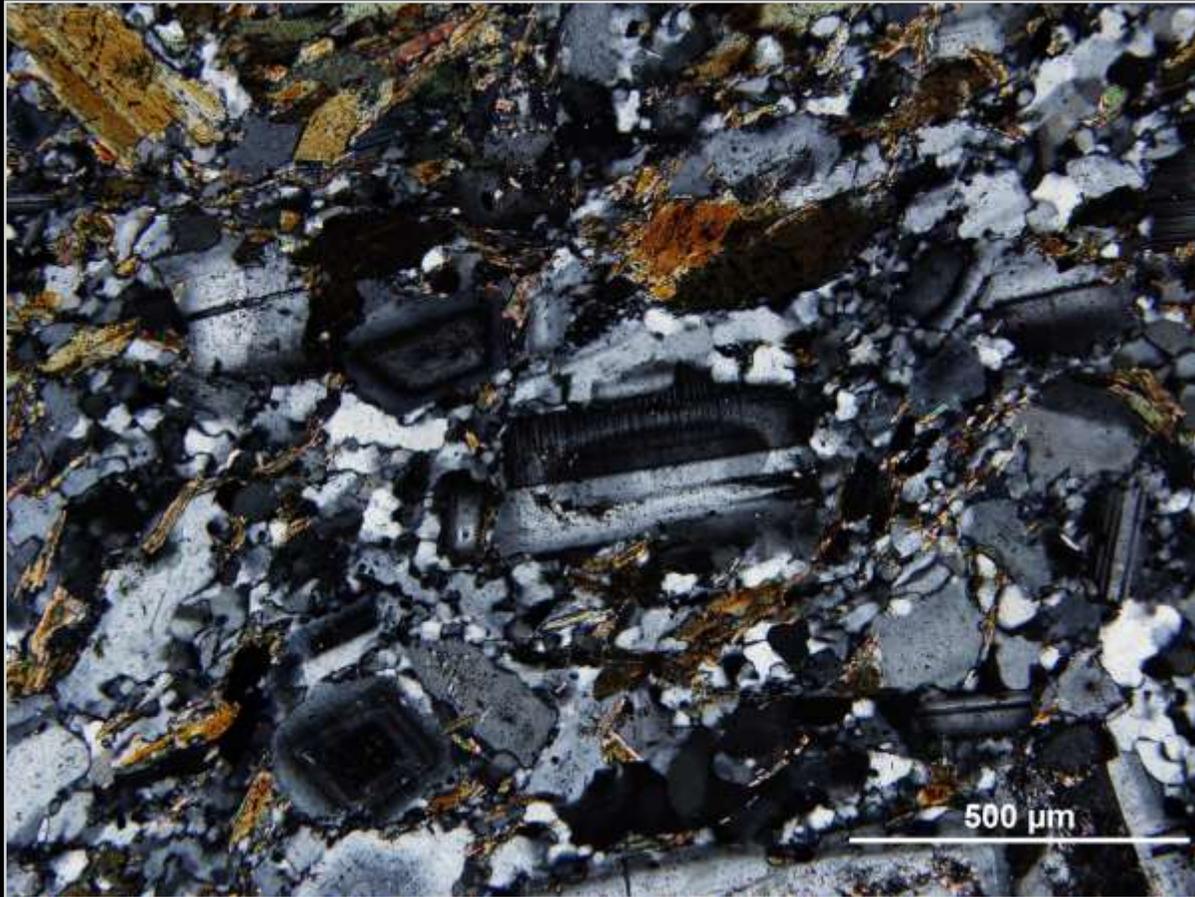
Plane transmitted and cross polarized light microphotographs

Sample 5A-32R-2C



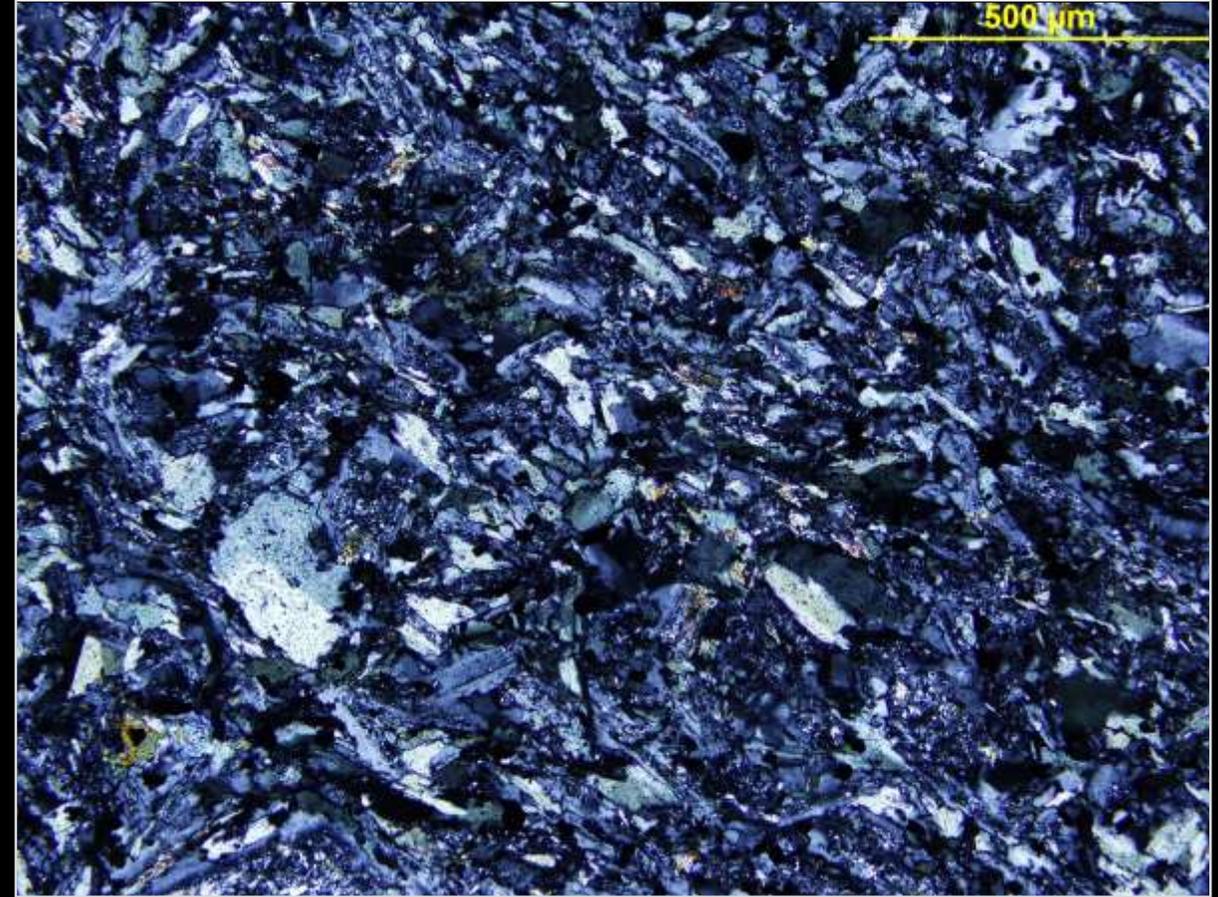
Plane transmitted and cross polarized light microphotographs

Sample 5A-32R-2C



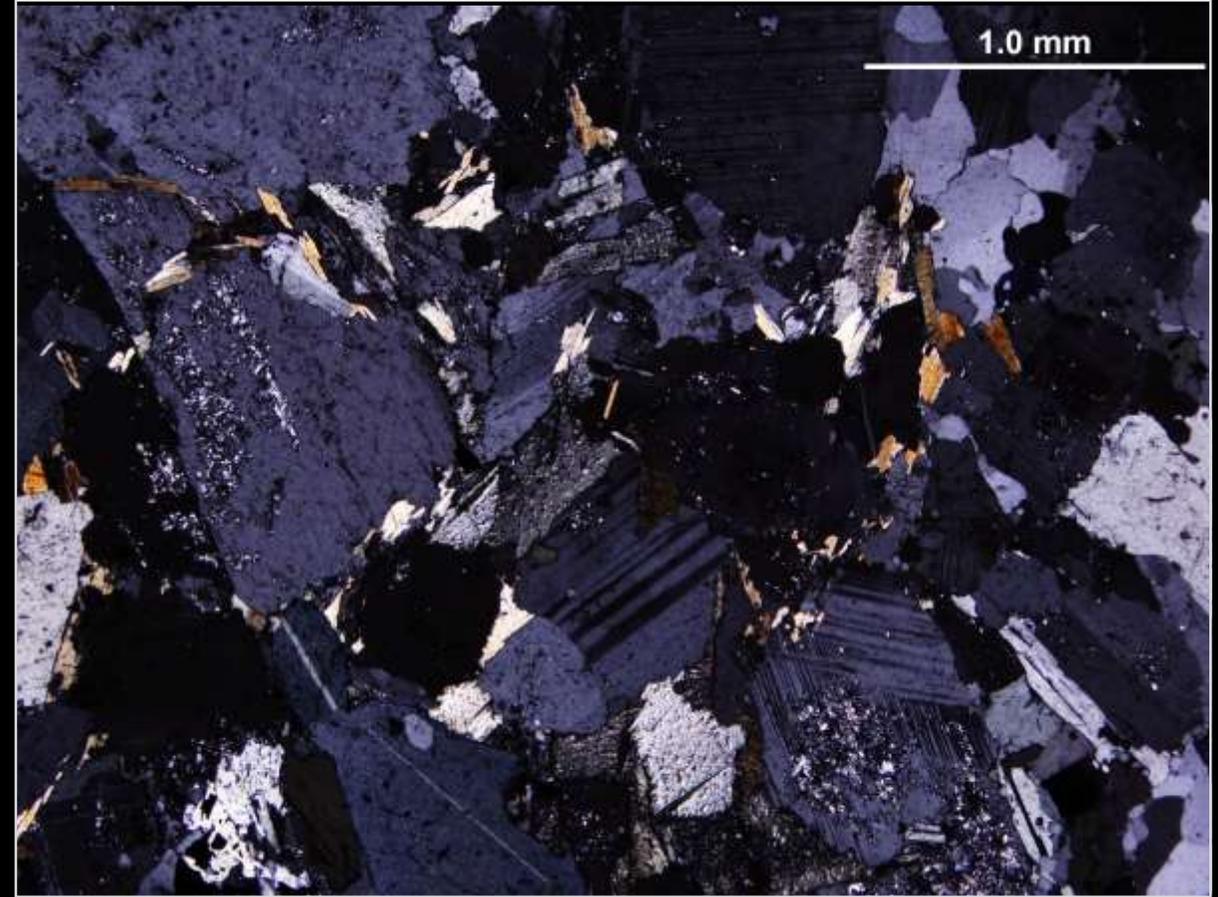
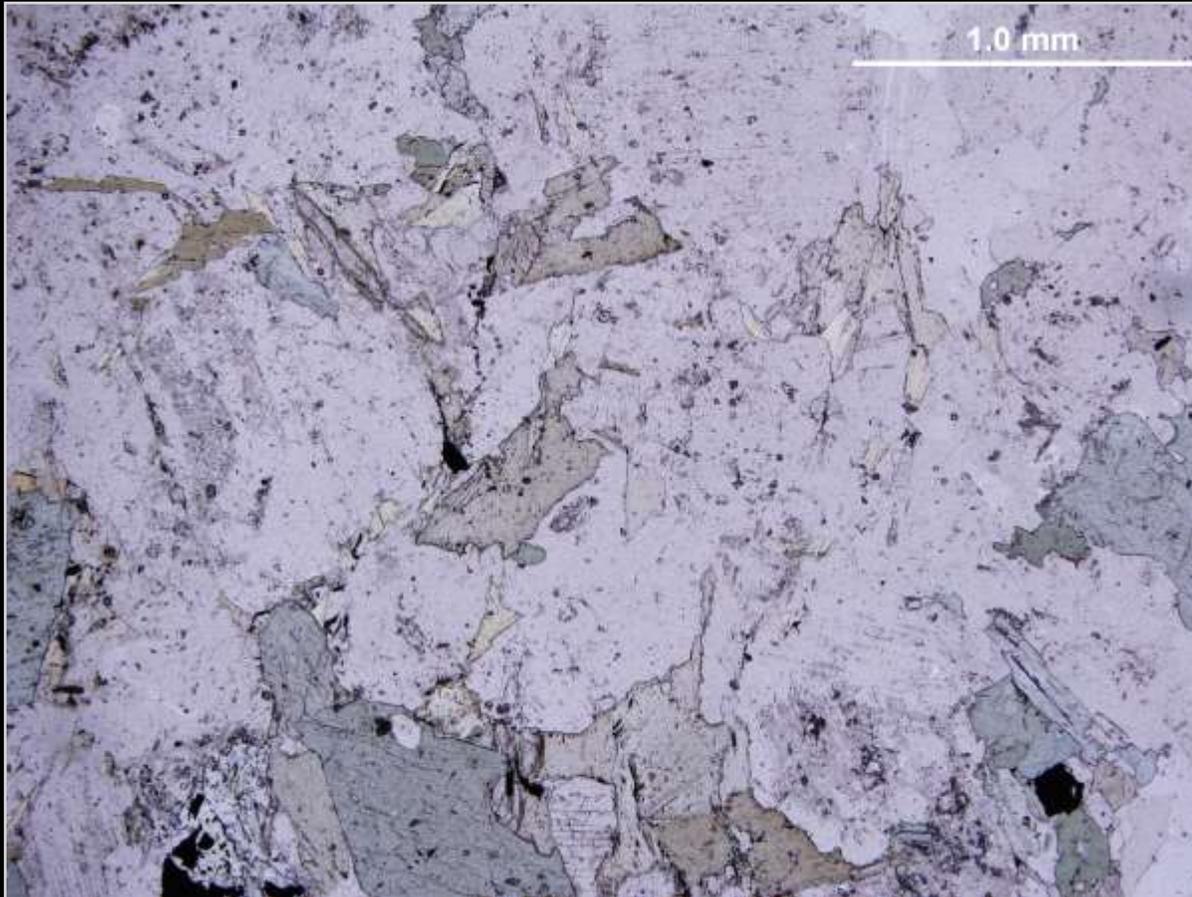
Cross polarized light microphotographs

Sample 5G-35D-2B



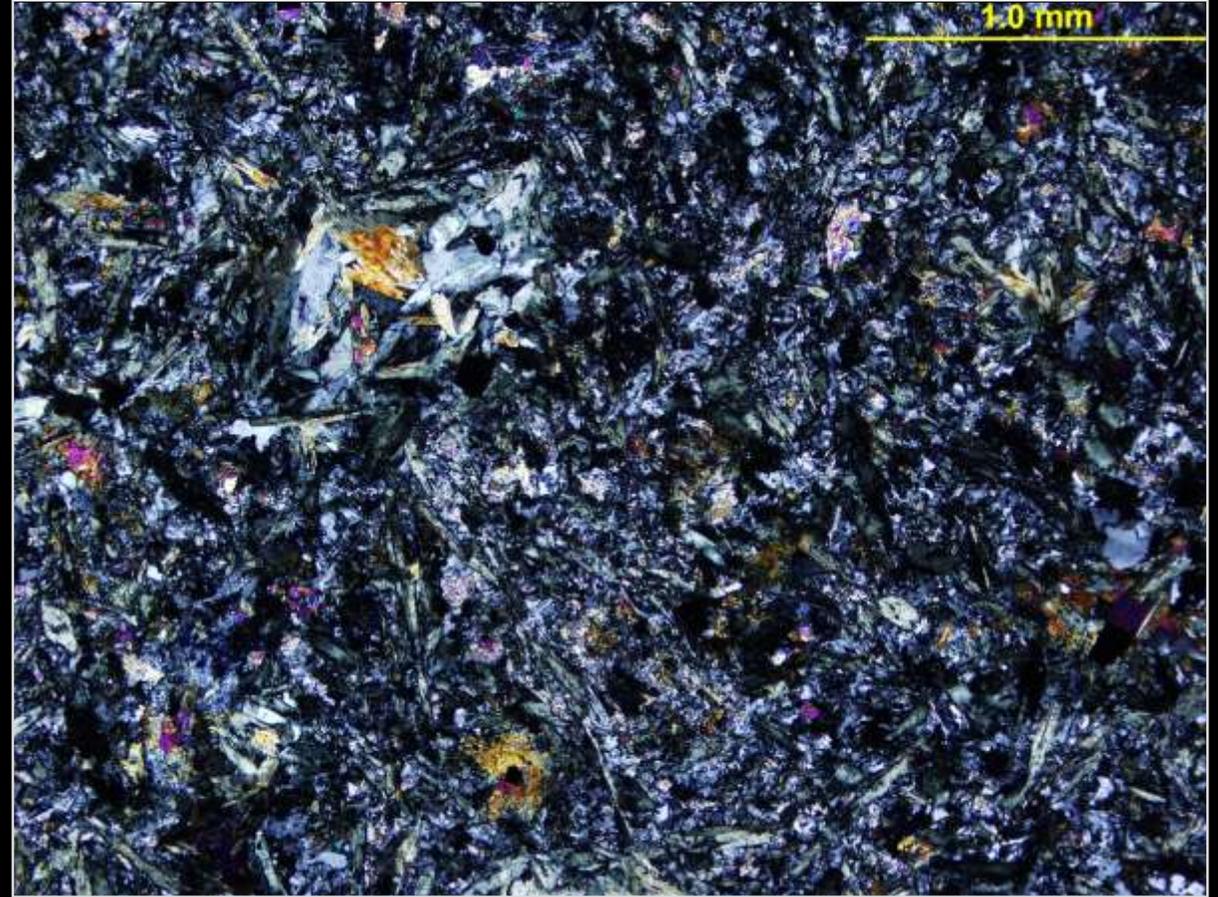
Plane transmitted and cross polarized light microphotographs

Sample 6C-8D-6



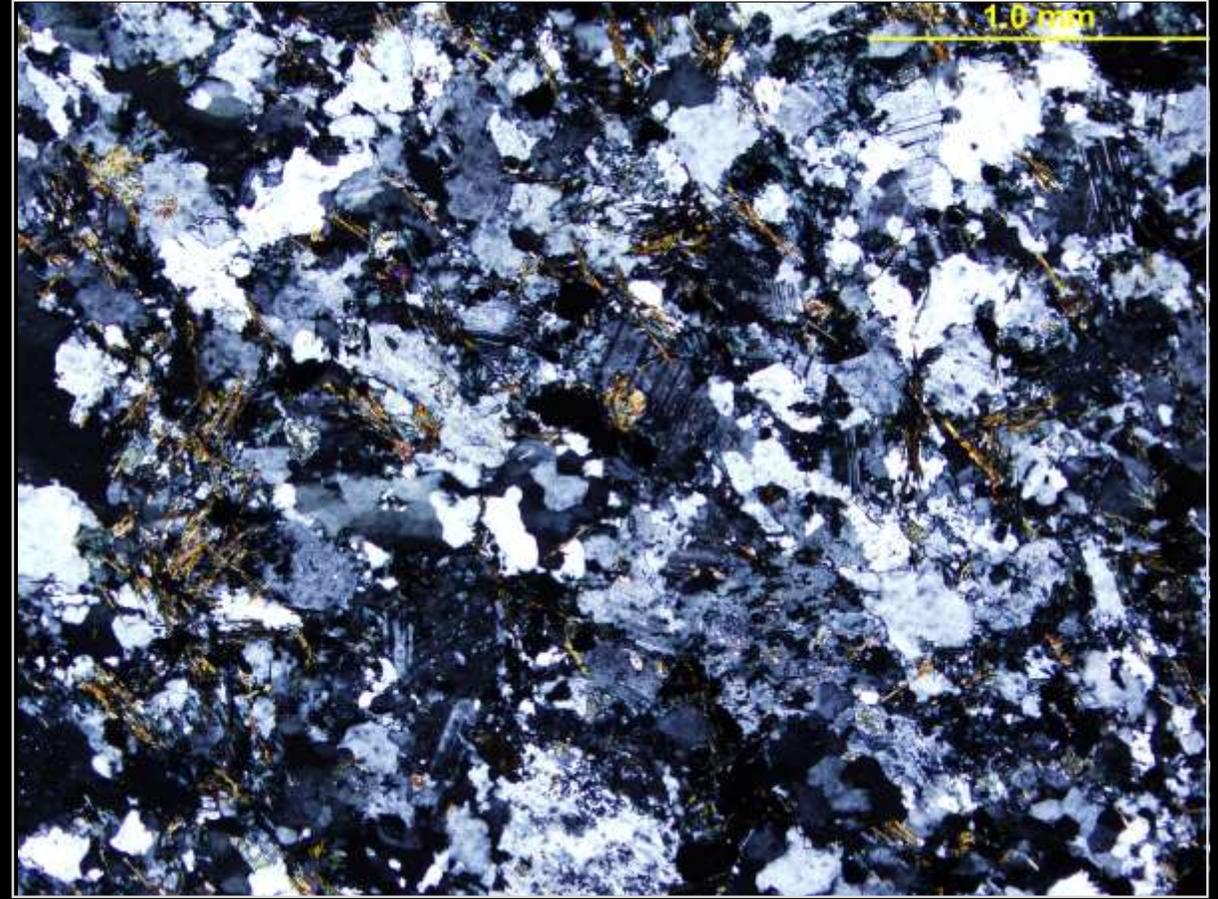
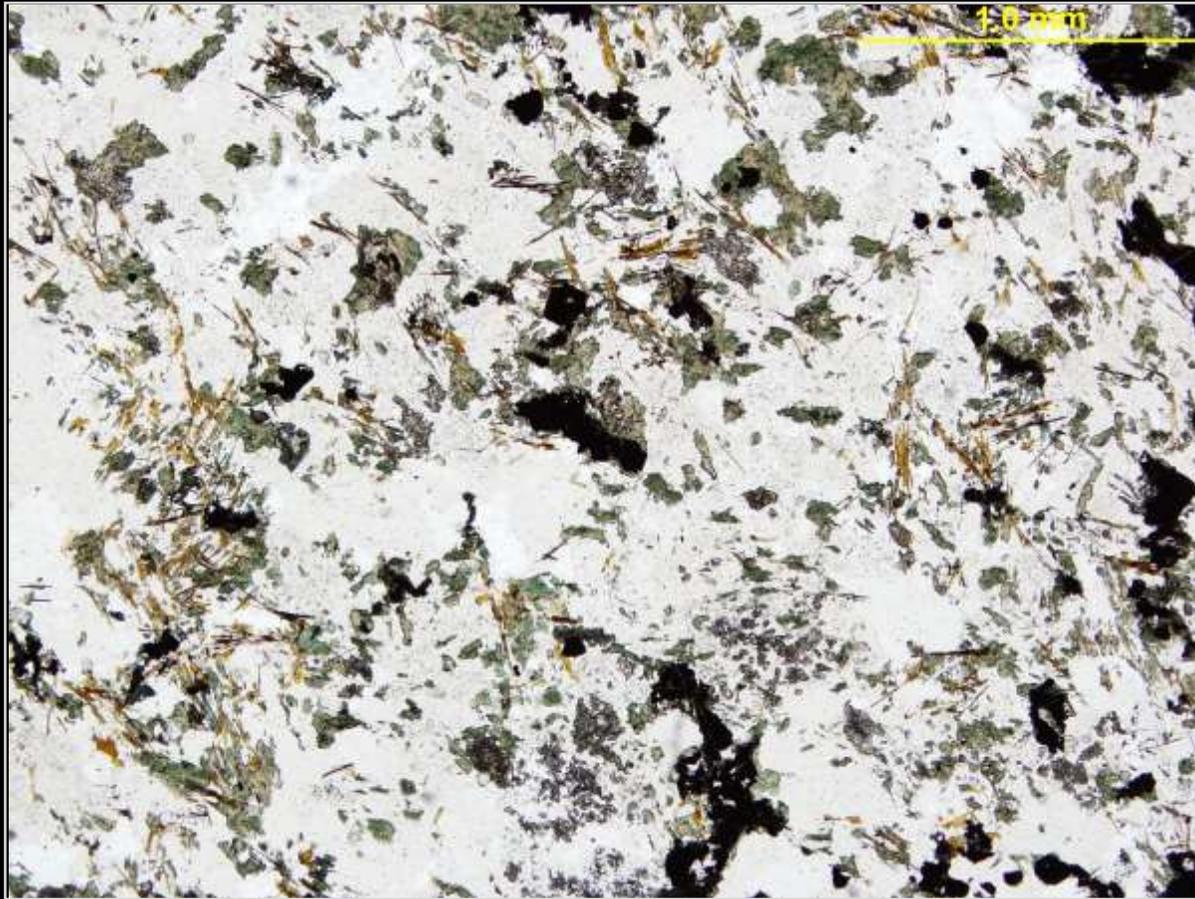
Plane transmitted and cross polarized light microphotographs

Sample 6C-15D-4G



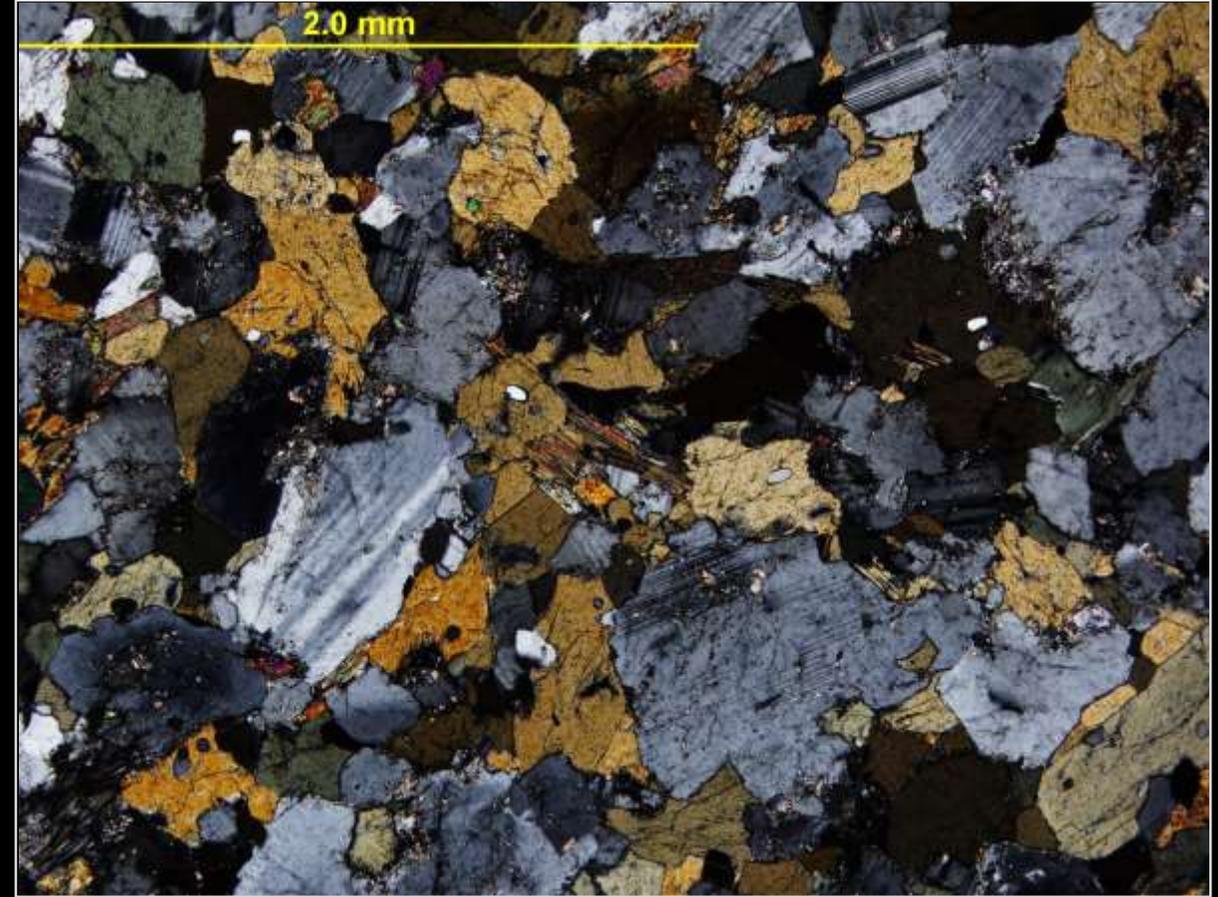
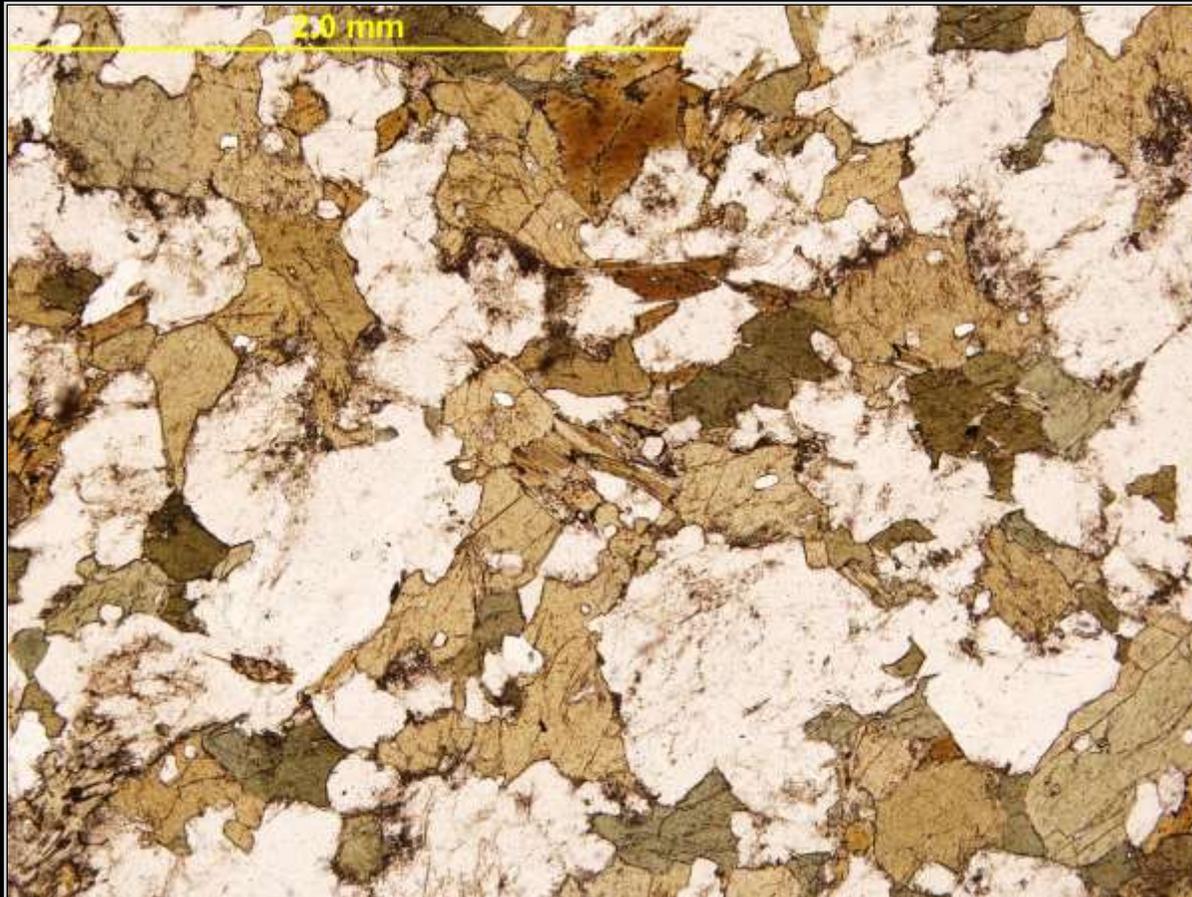
Plane transmitted and cross polarized light microphotographs

Sample 6F-22D-6A



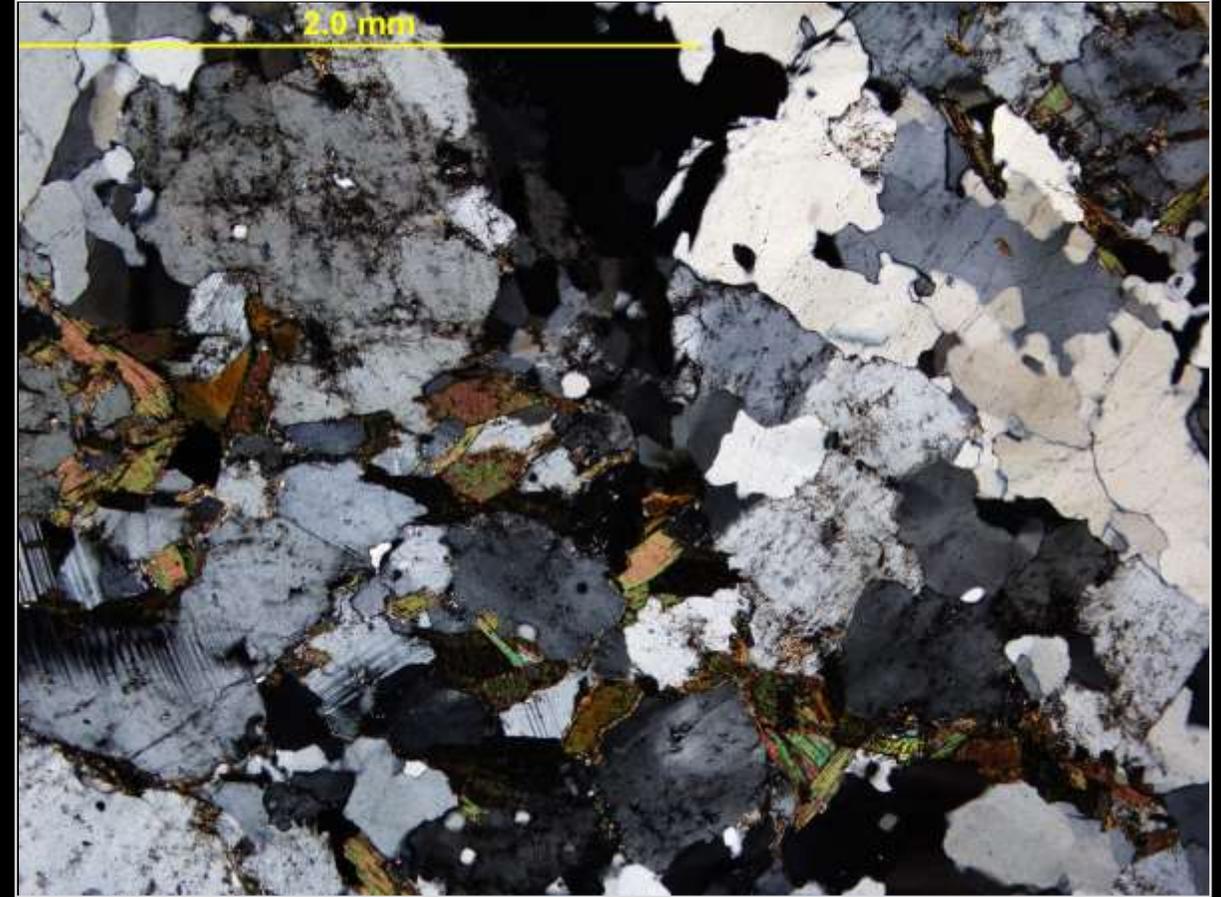
Plane transmitted and cross polarized light microphotographs

Sample PLD-6-1



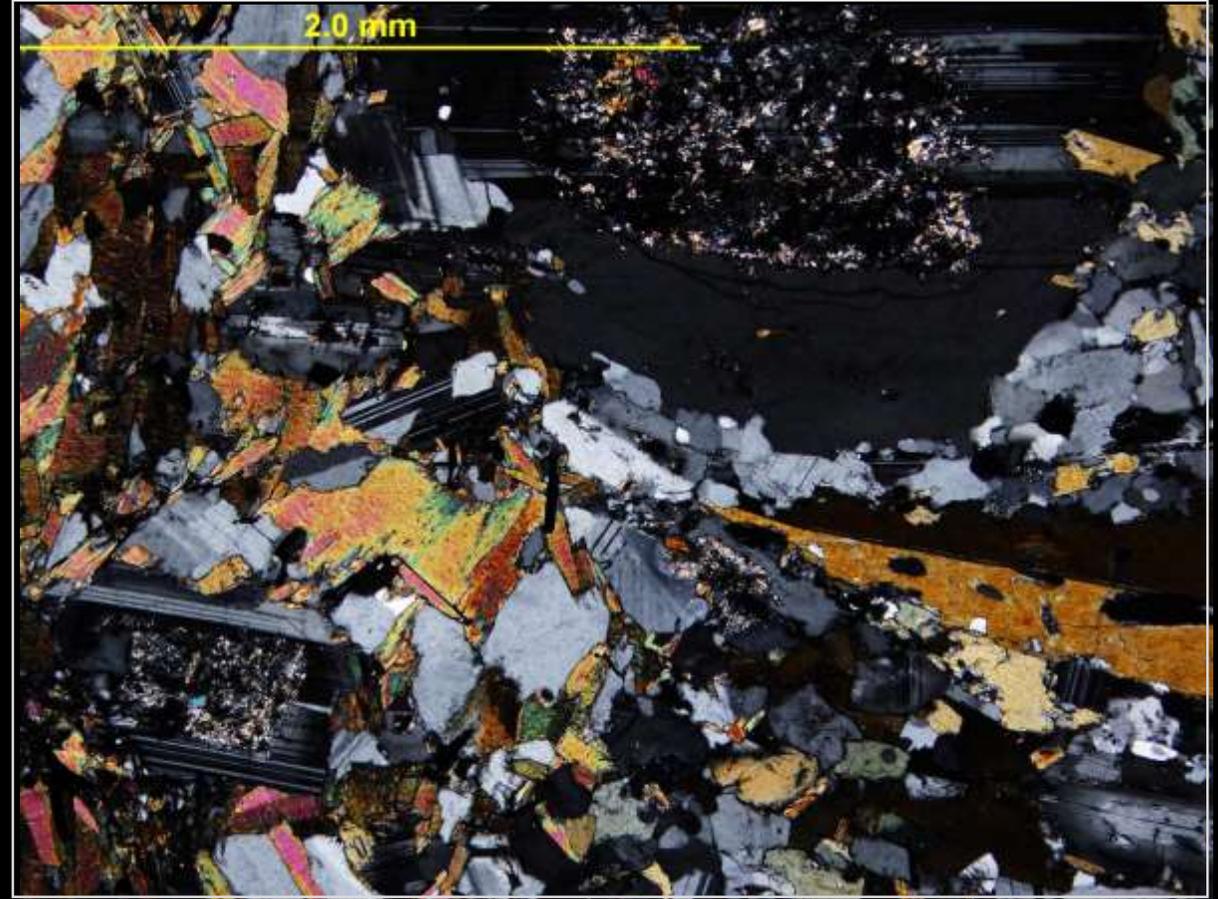
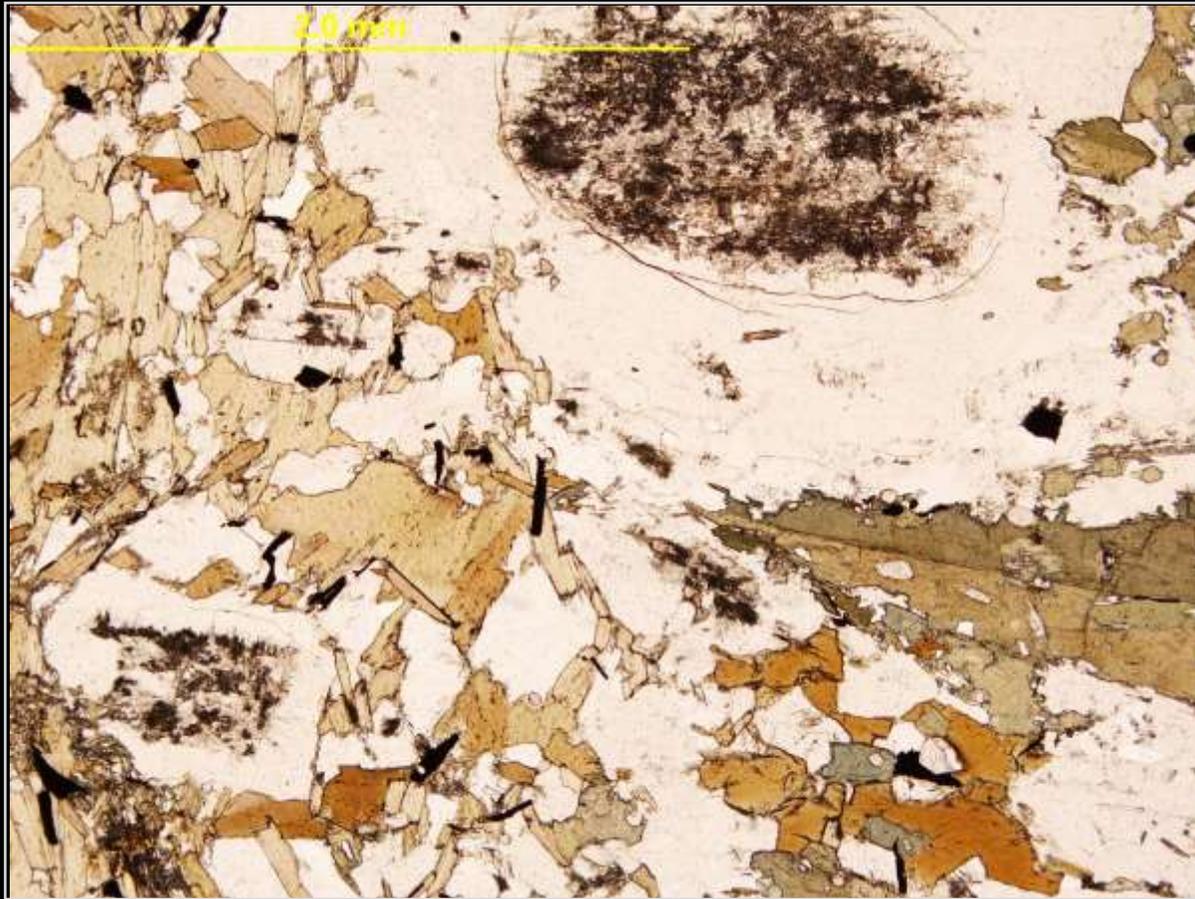
Plane transmitted and cross polarized light microphotographs

Sample PLD-6-1



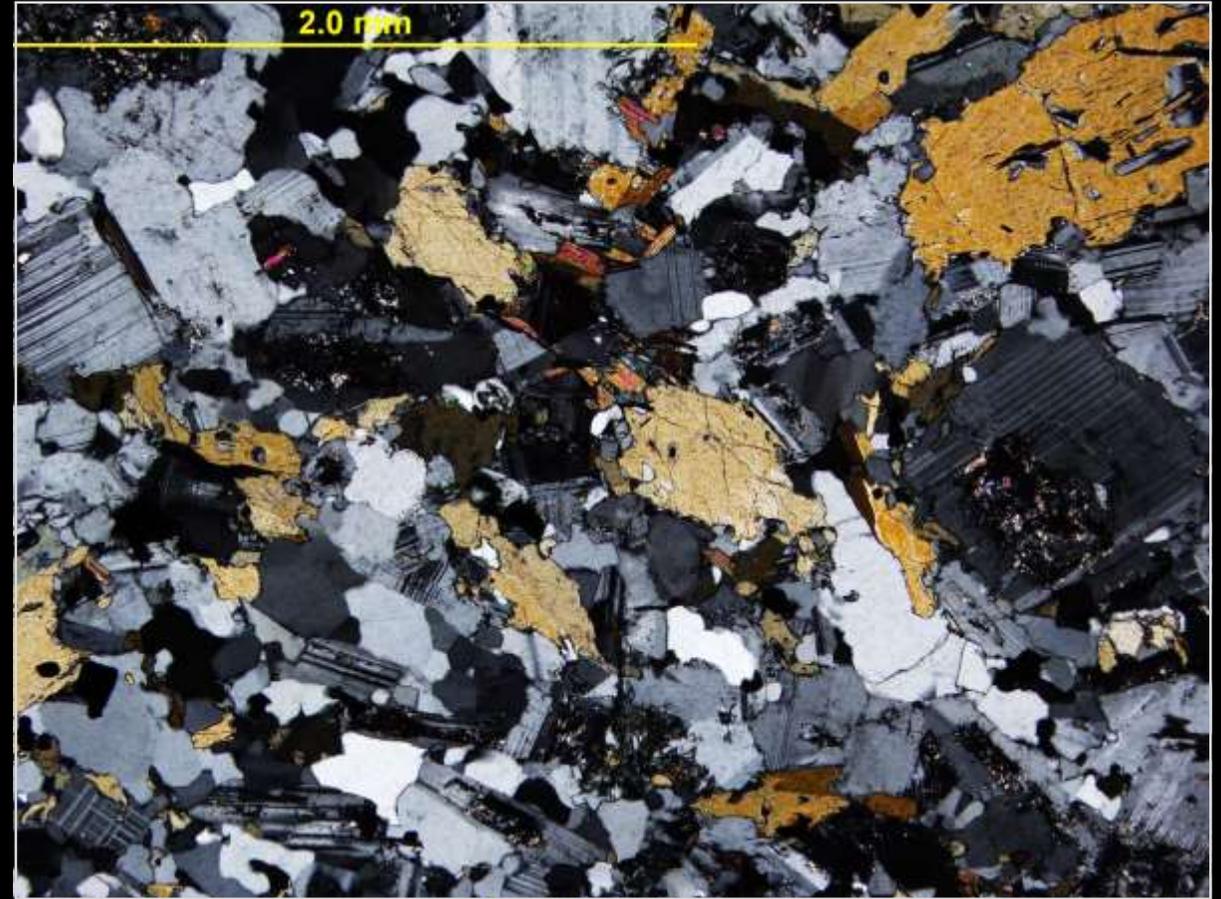
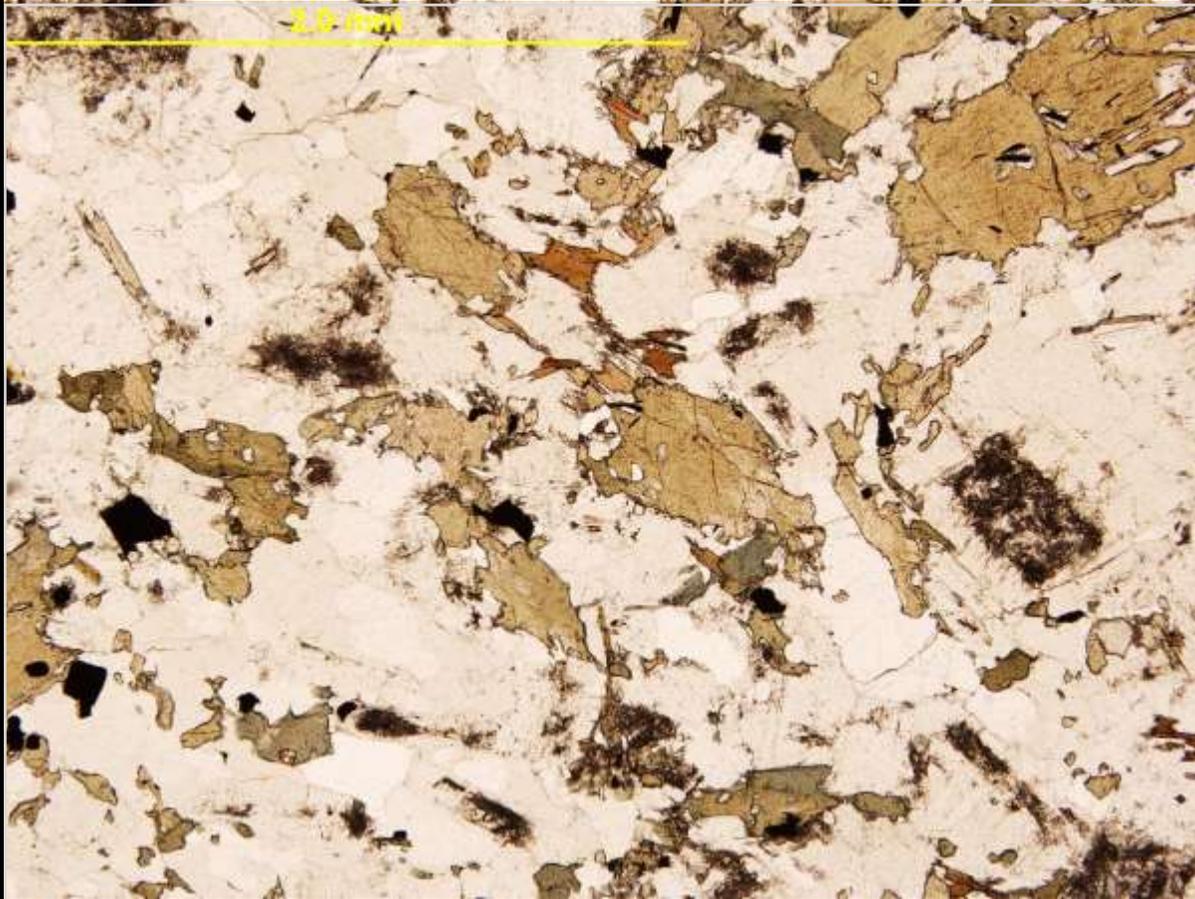
Plane transmitted and cross polarized light microphotographs

Sample PLD-6-1



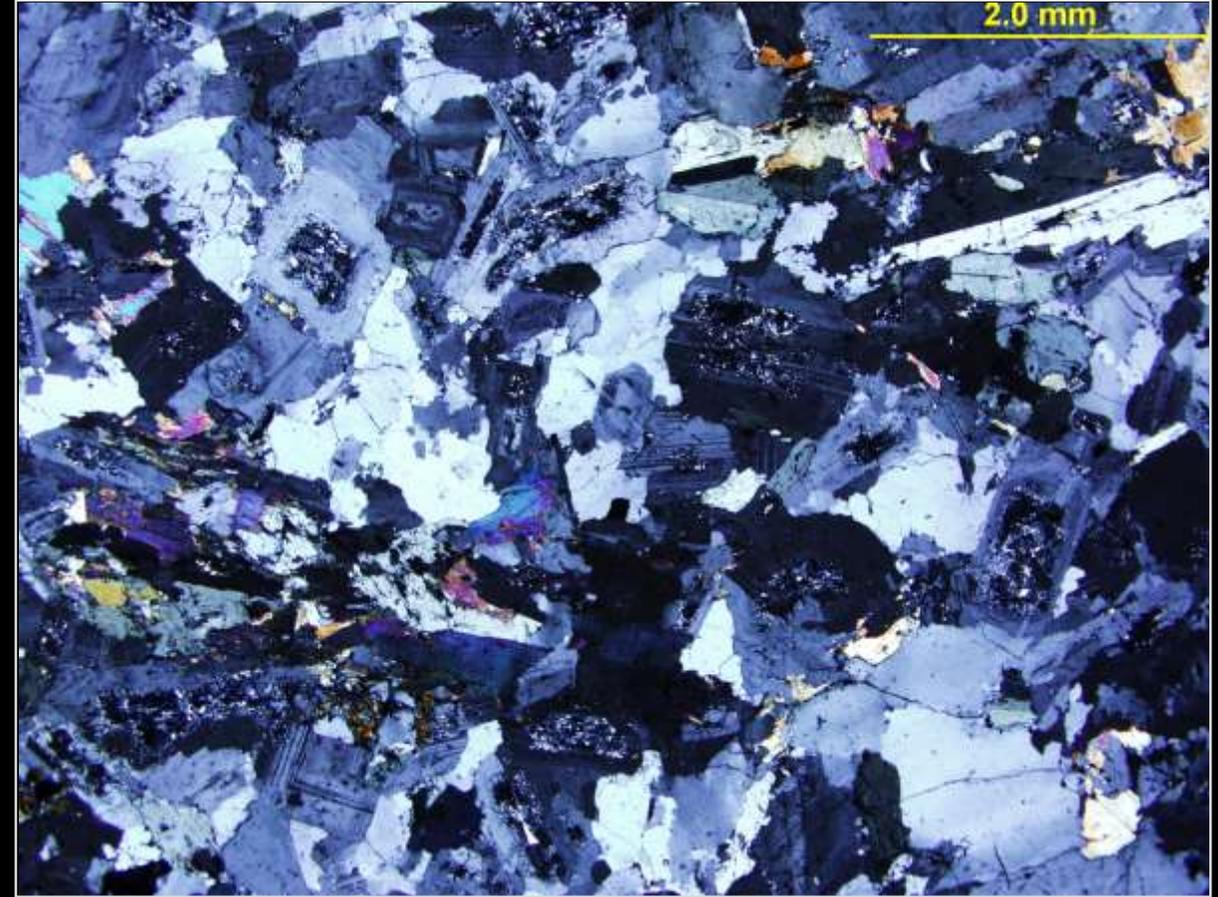
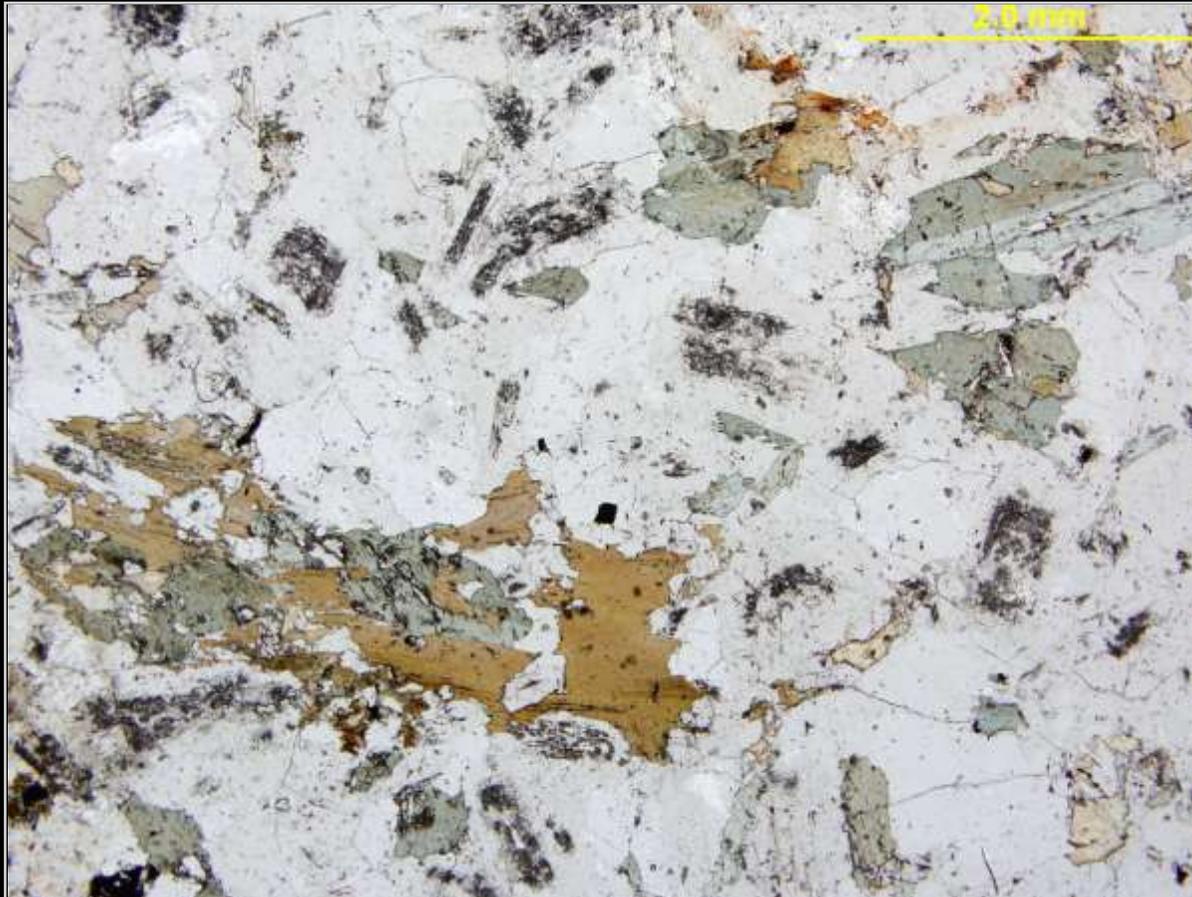
Plane transmitted and cross polarized light microphotographs

Sample PLD-29-8



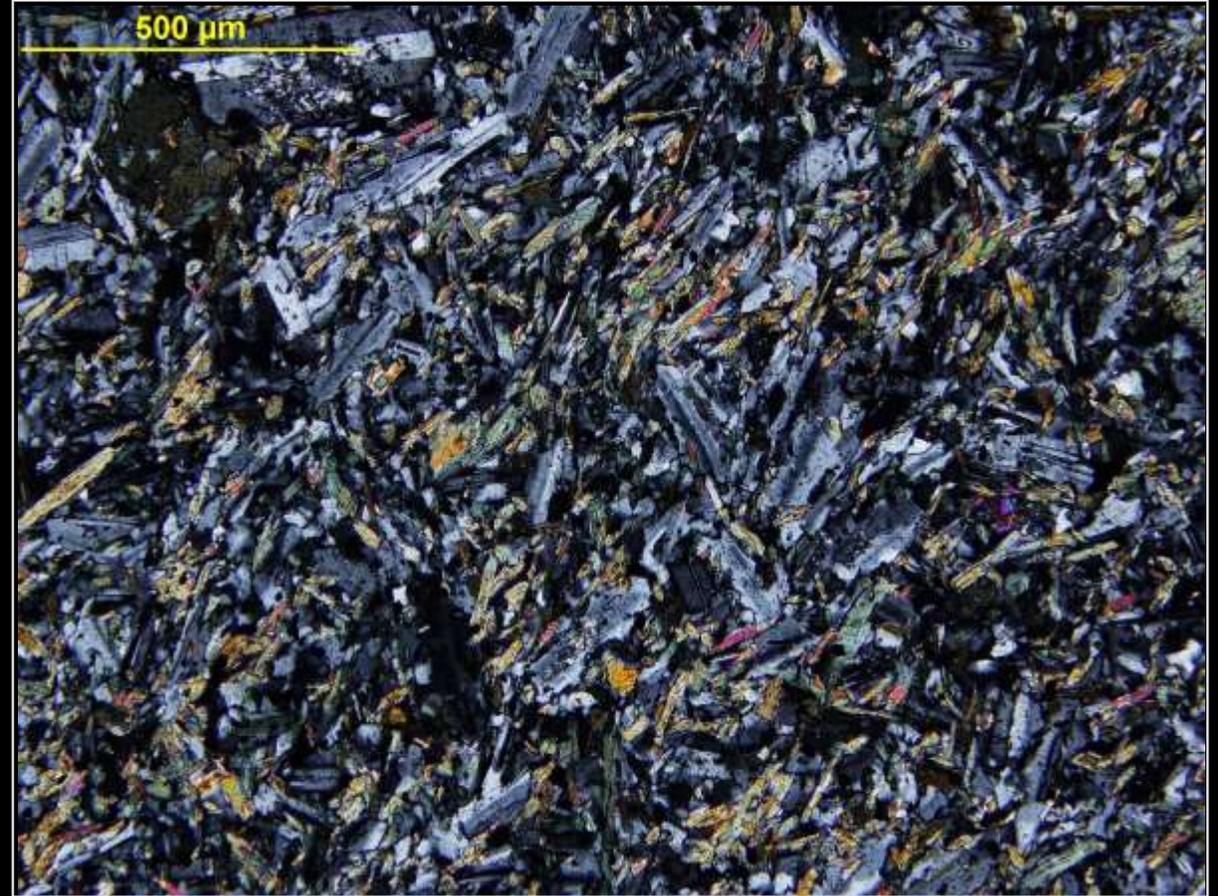
Plane transmitted and cross polarized light microphotographs

Sample PLD-30-5A



Plane transmitted and cross polarized light microphotographs

Sample PLD-31-6B



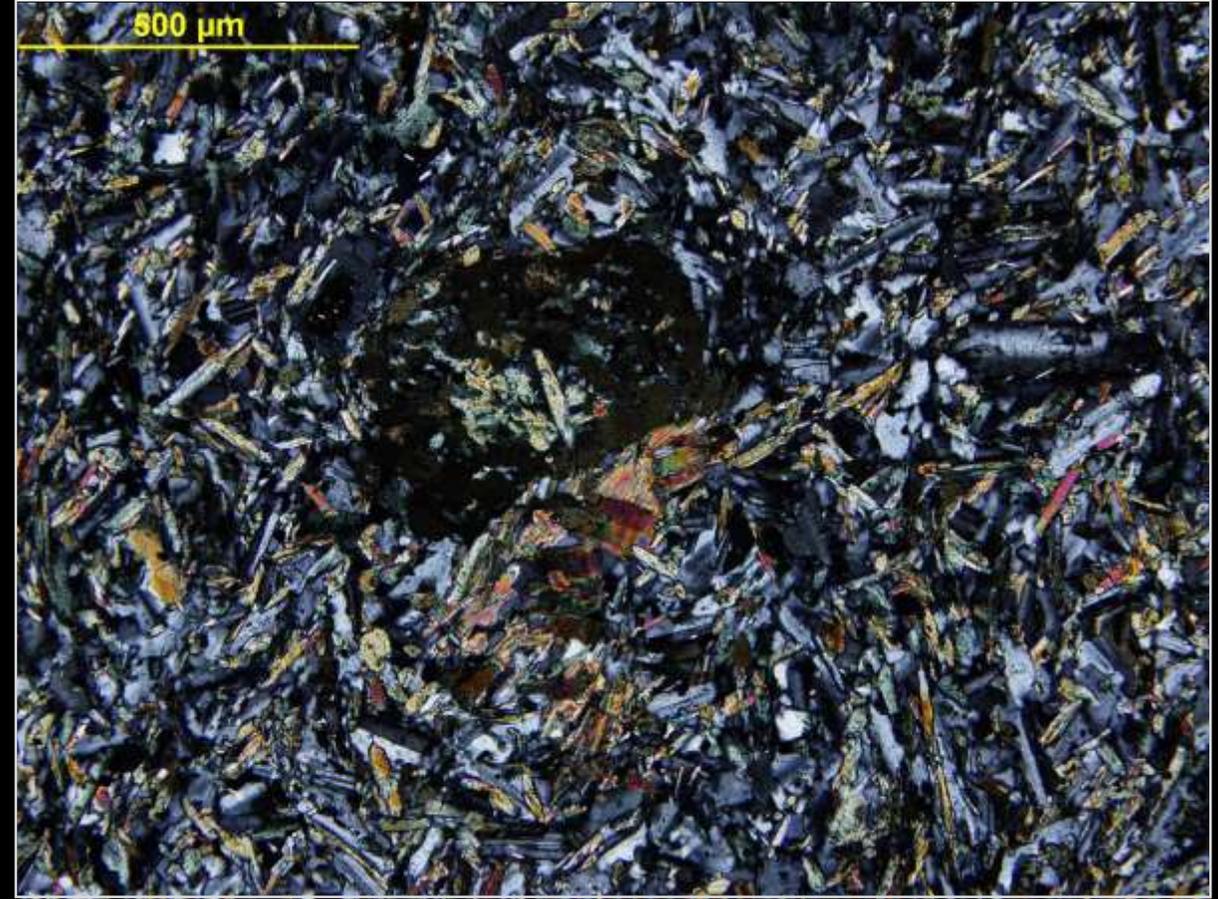
Plane transmitted and cross polarized light microphotographs

Sample PLD-31-6B



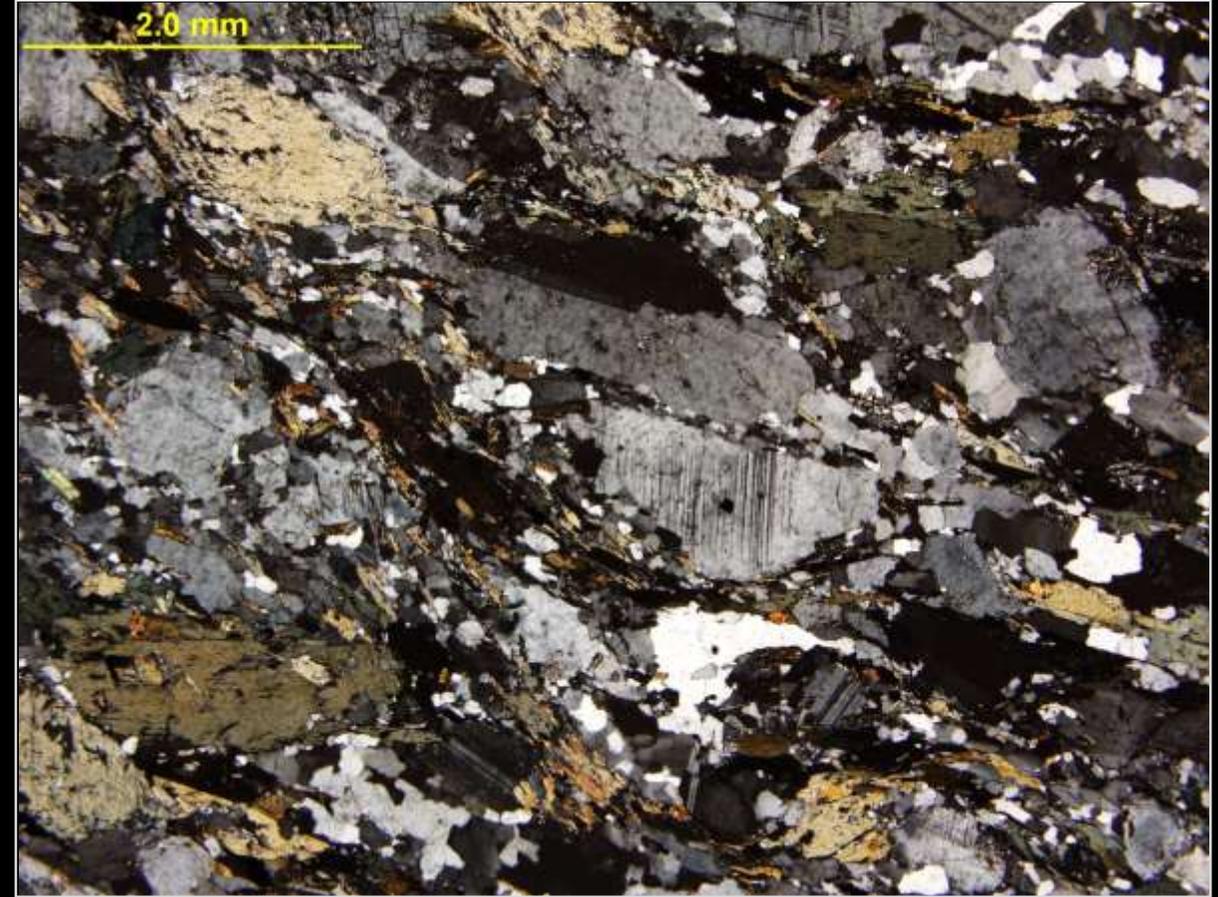
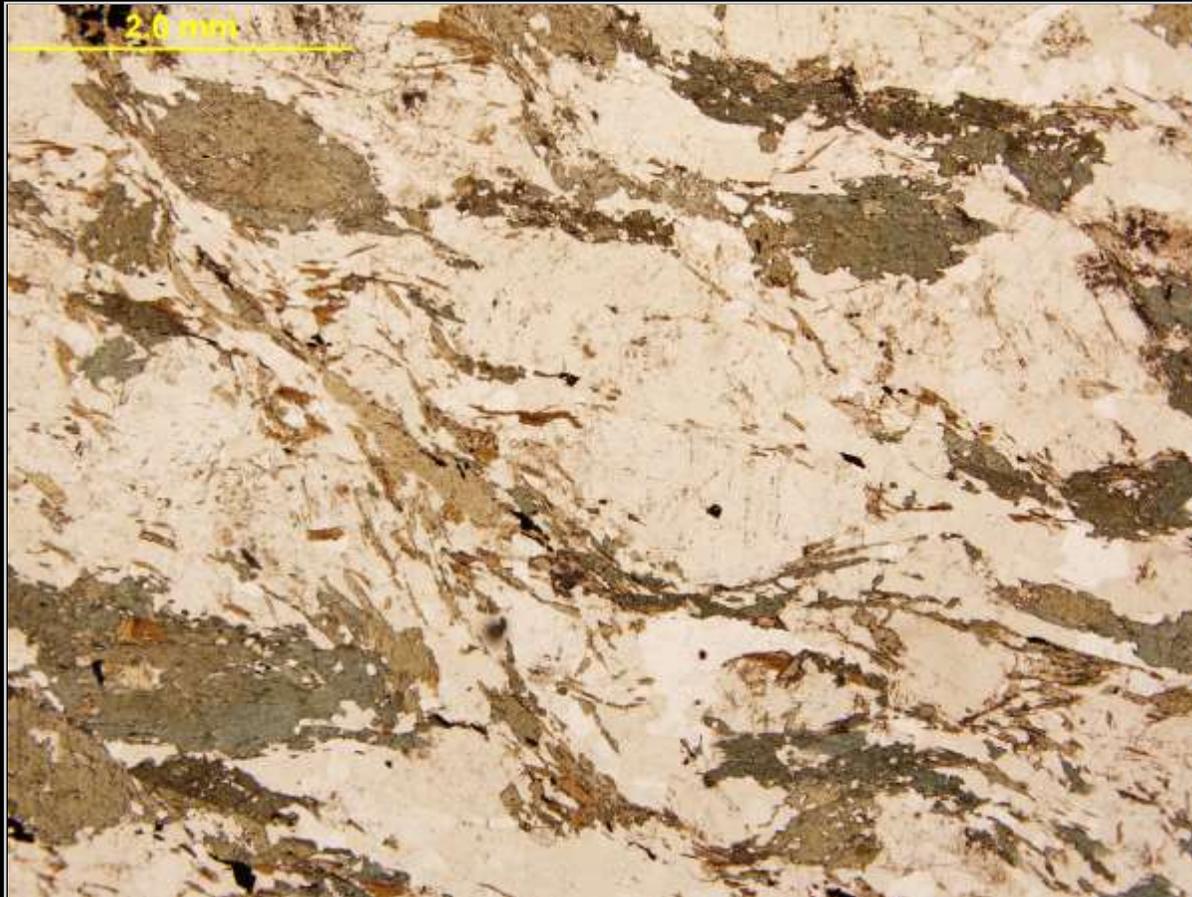
Plane transmitted and cross polarized light microphotographs

Sample PLD-31-6B



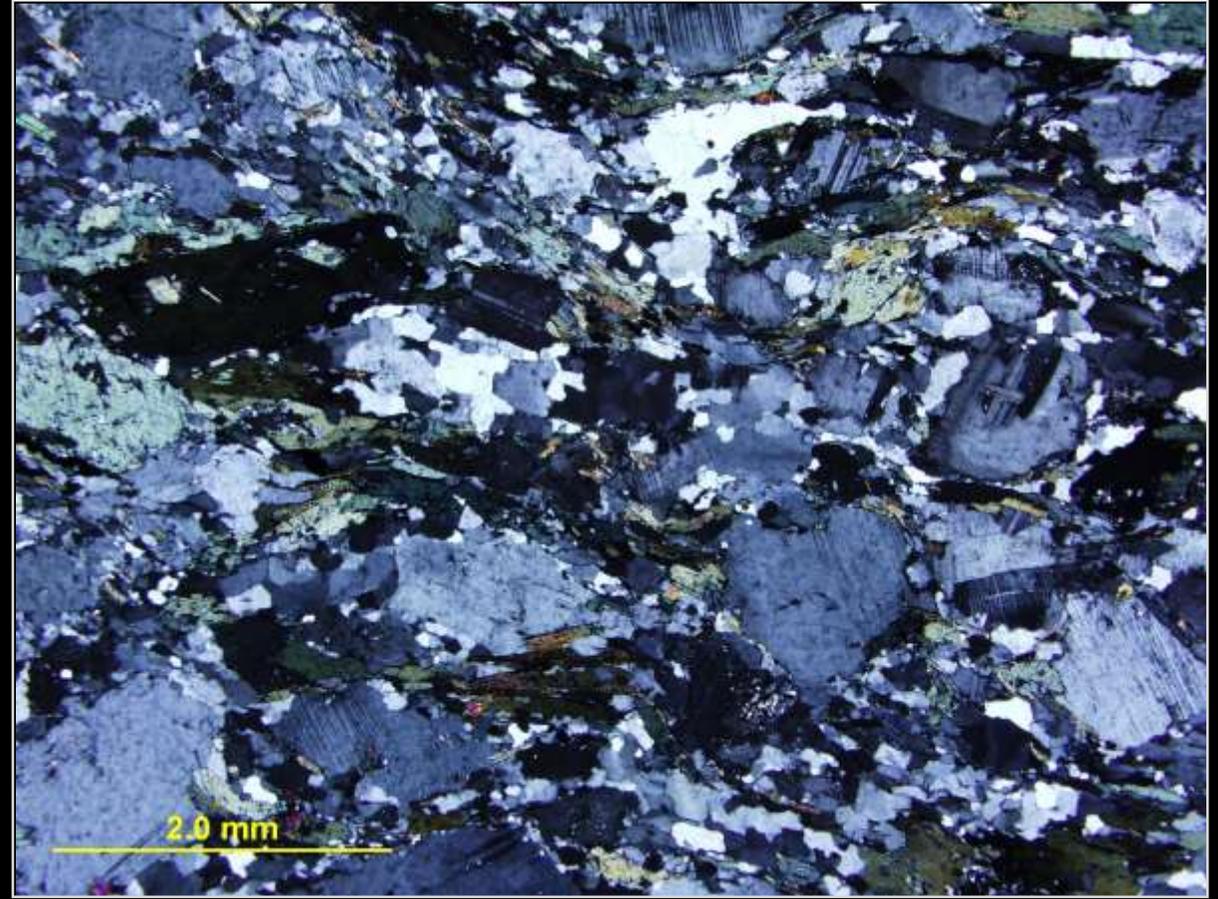
Plane transmitted and cross polarized light microphotographs

Sample PMD-8-4



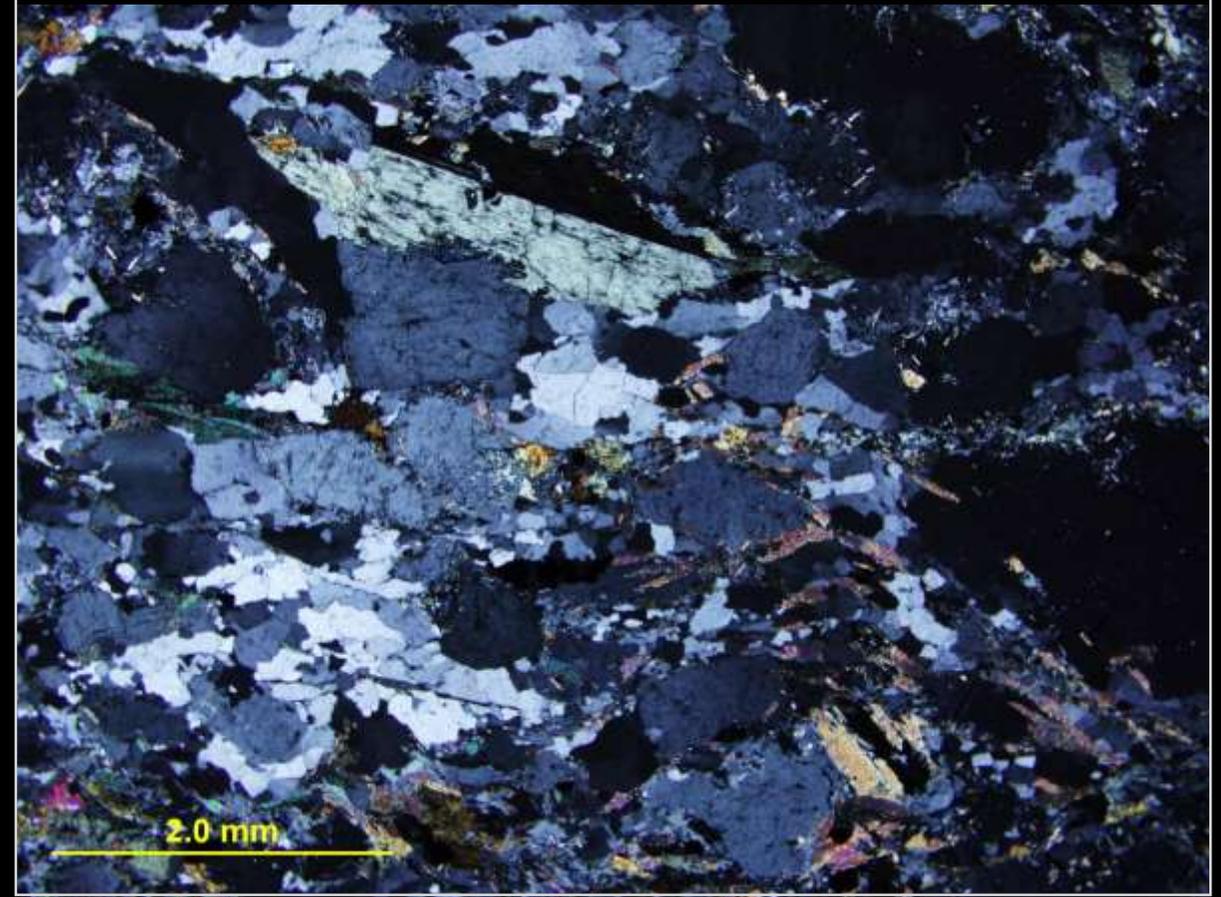
Plane transmitted and cross polarized light microphotographs

Sample PMD-8-4



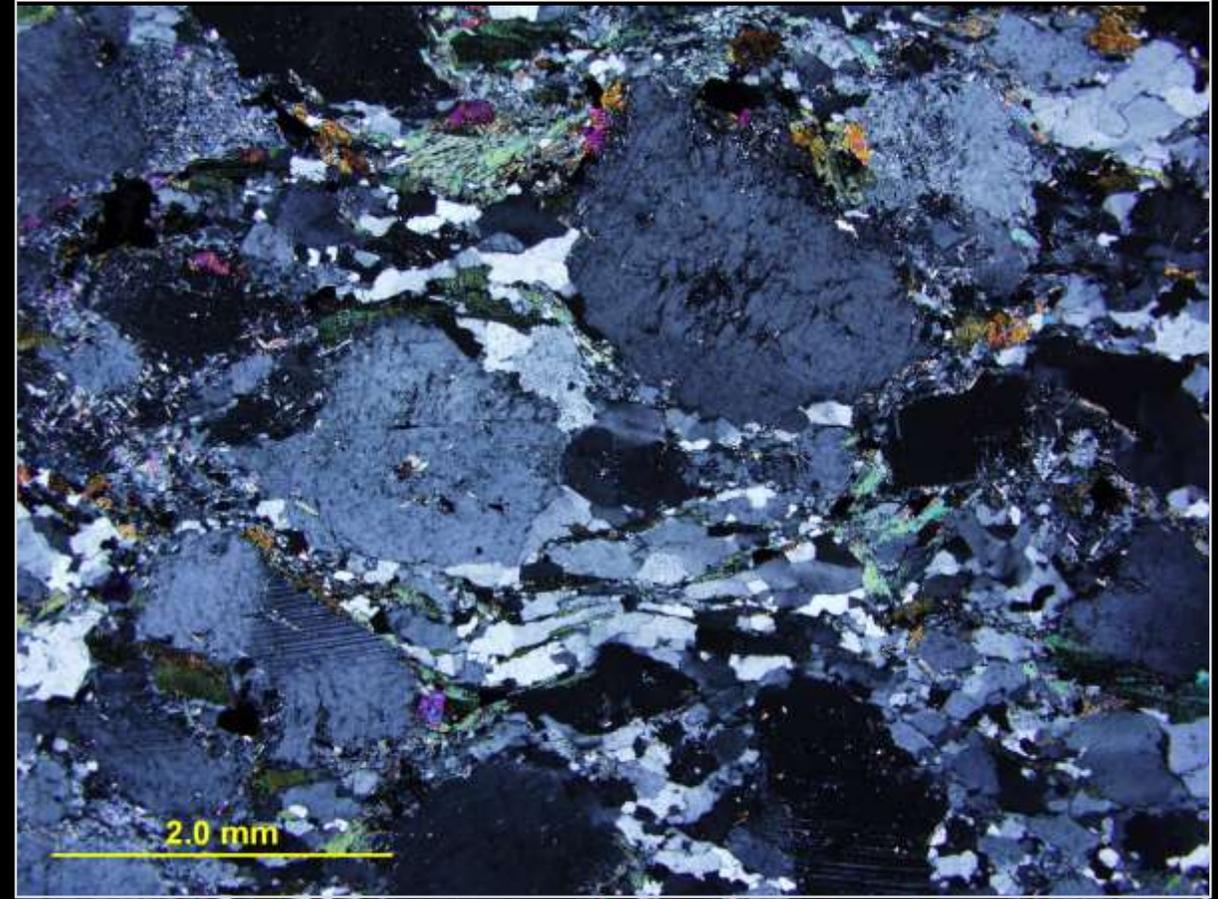
Plane transmitted and cross polarized light microphotographs

Sample PMD-9-5



Plane transmitted and cross polarized light microphotographs

Sample PMD-9-5



Plane transmitted and cross polarized light microphotographs