Supplementary materials. Figures S1. Textural and structural characteristics of effusive rocks (microphotographs).



Figure S1.1. Micrograph of aphyric basalt. Morongovsky Formation.

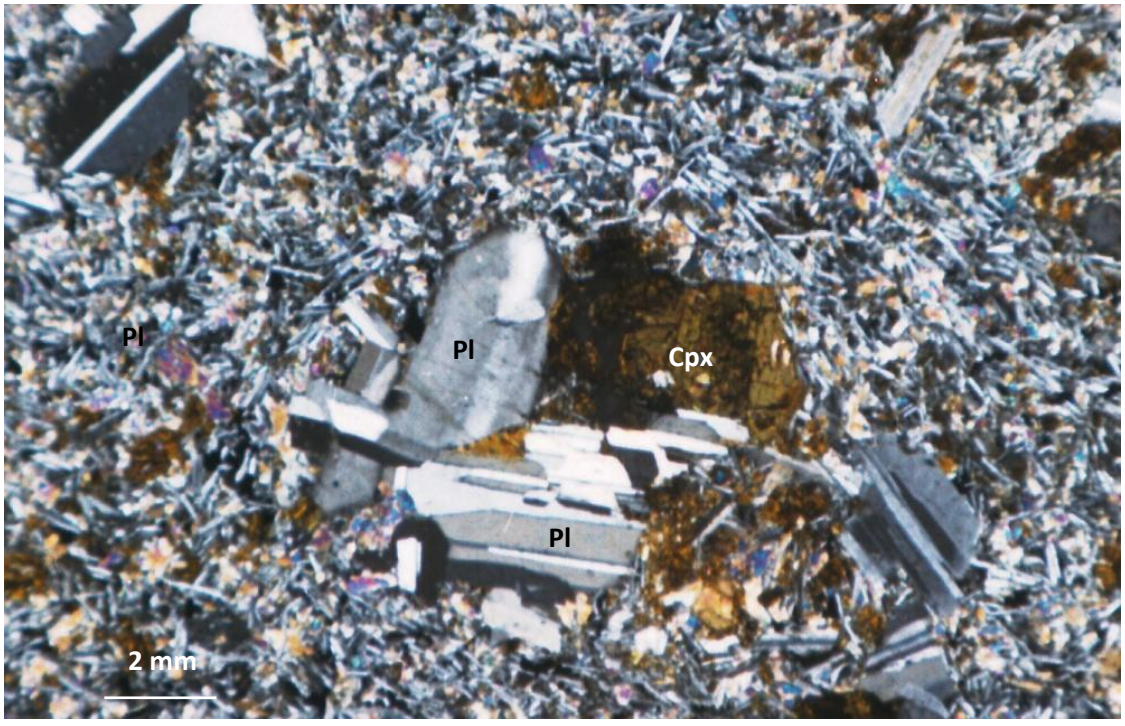


Figure S1.2. Micrograph of glomeroporphiritic basalt, Nadeazhdinsky Formation.

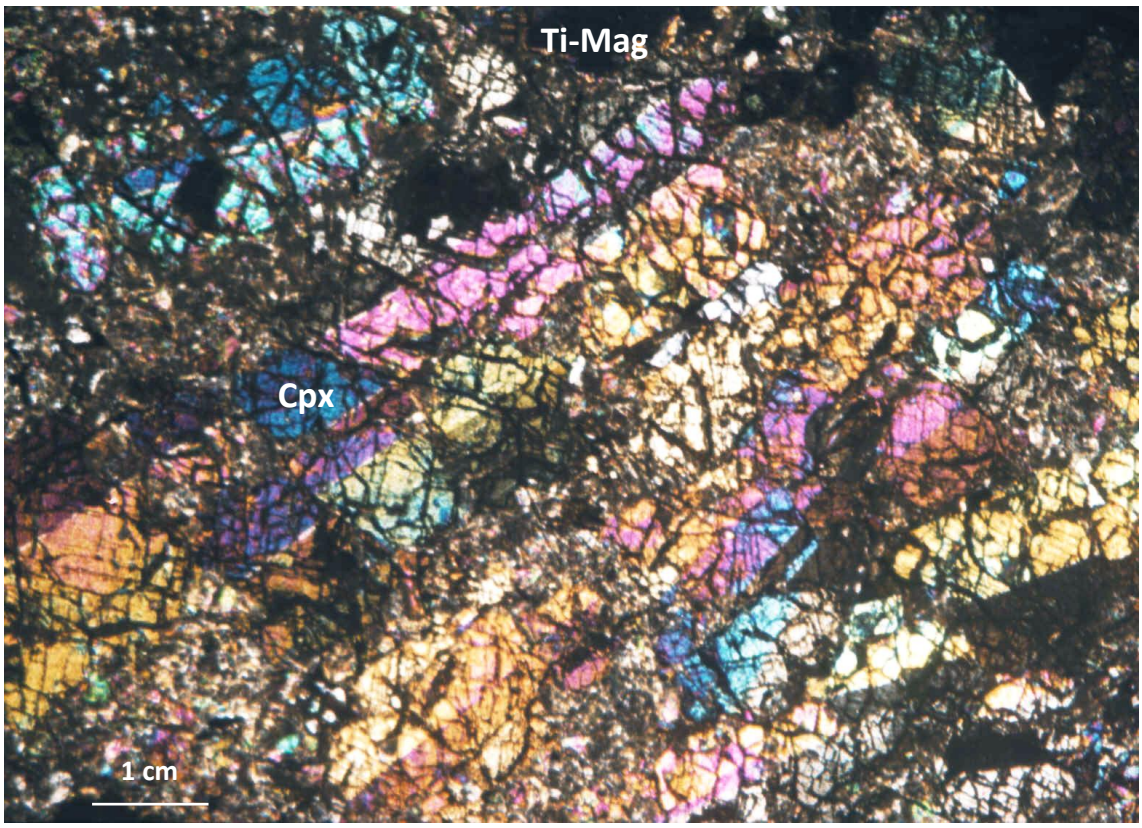


Figure S1.3. Micrograph of porphyritic basalt with dendritic phenocrysts of clinopyroxene. Nadezhdinsky Formation.



Figure S1.4. Micrograph of picritic basalt. Nadezhdinsky Formation.

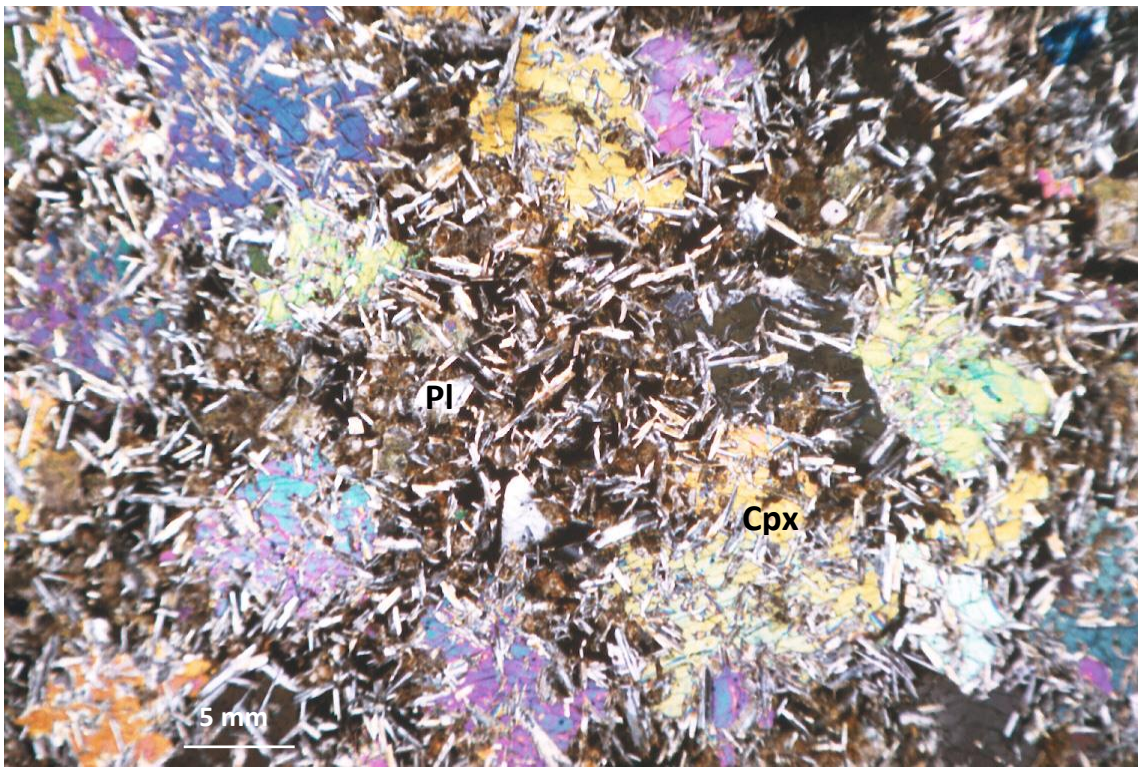


Figure S1.5. Micrograph of poikilophitic basalt. Tuklonsky Formation.



Figure S1.6. Micrograph of picritic basalt. Gudchikhinsky Formation.



Figure S1.7. Micrograph of trachybasalt. Ivakinsky Formation.

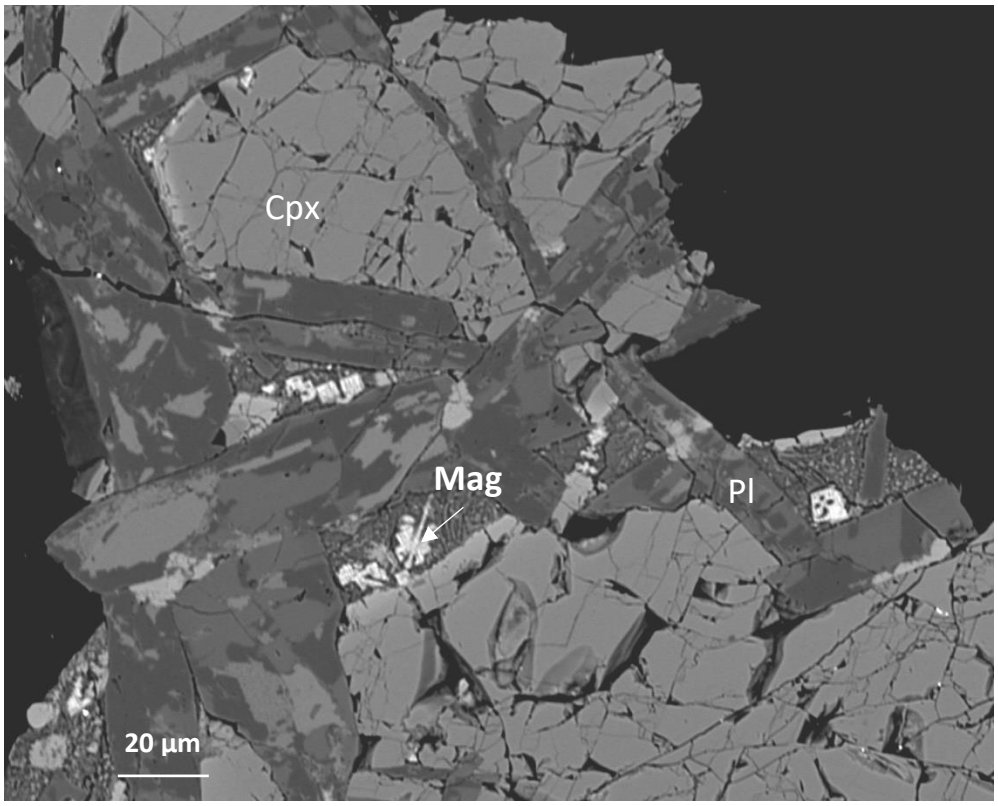
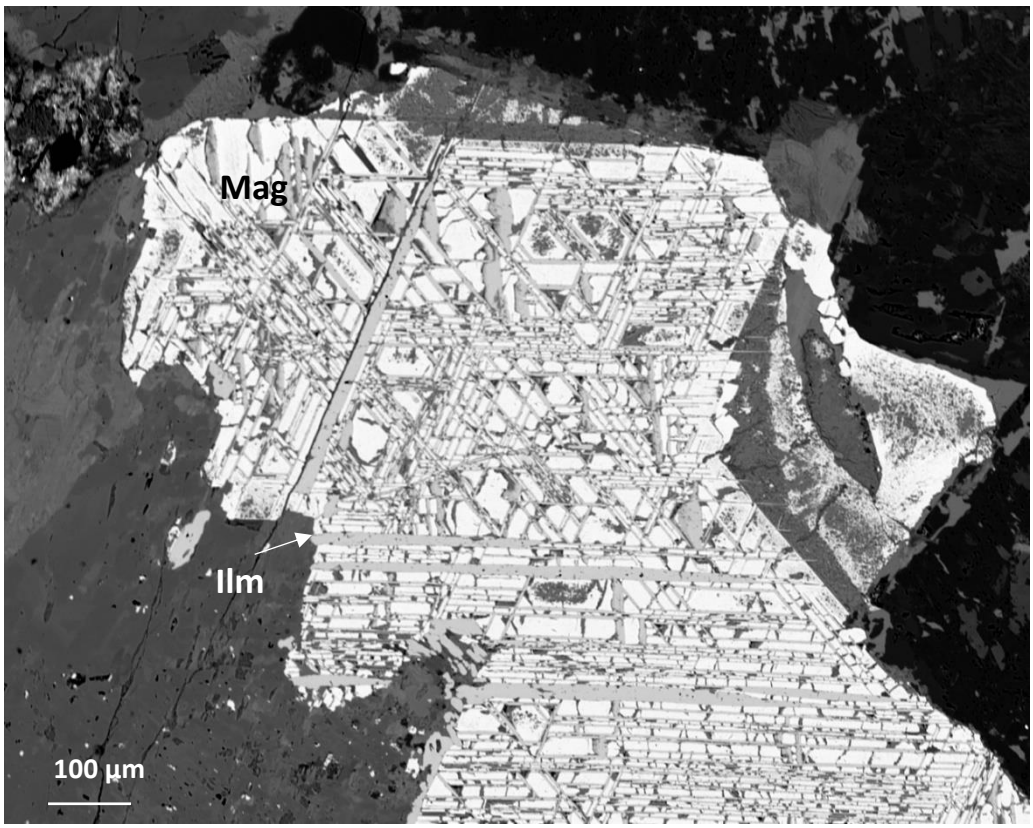


Figure S1.8. Back scatted electron image of tholeiitic basalt. Syverminsky Formation. Skeletal crystals of High-Ti magnetite in altered glass.



Figures S1.9. Back scatted electron image of titamonagnetite. Sill in the Vologochan syncline.

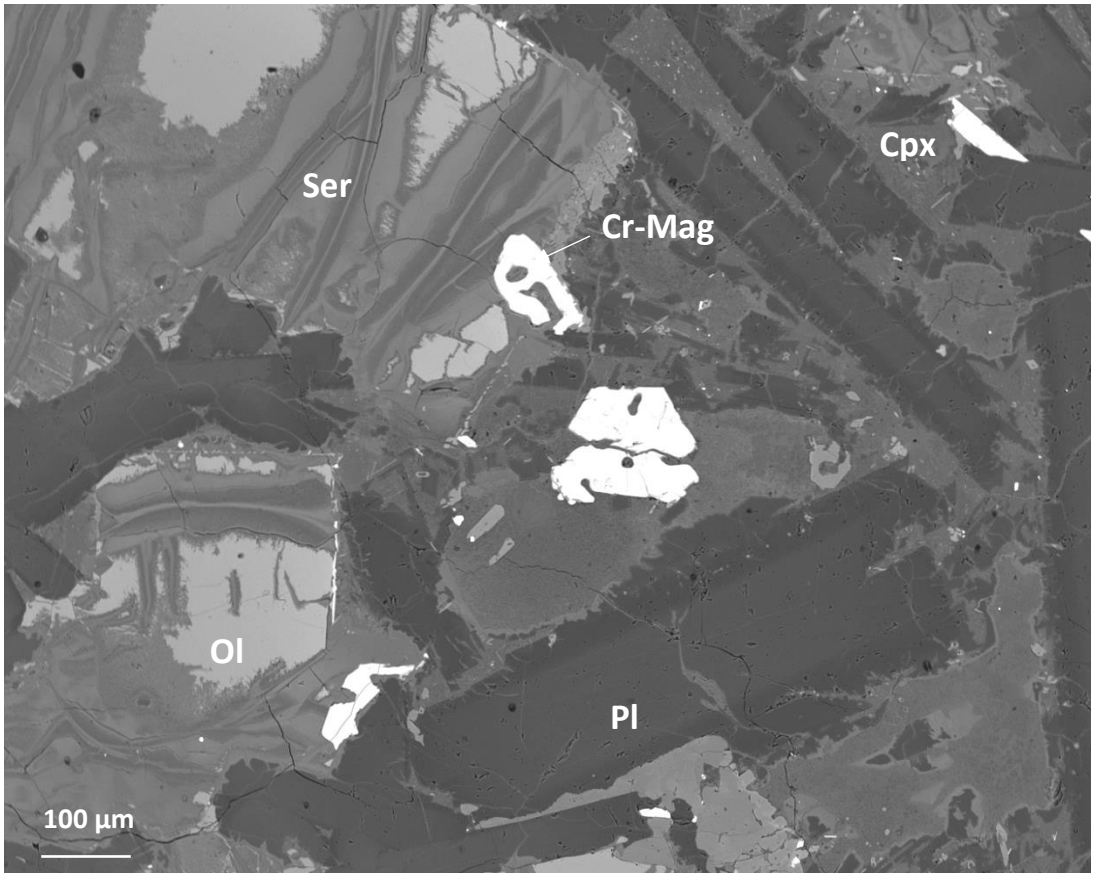


Figure S.1.10. Back scatted electron image of picrite. Gudchikhinsky Formation.

Symbols:

Pl – plagioclase, Ol – olivine, Mag - magnetite, Cpx - clinopyroxene, Sr -serpentine.