Optical reflection microscope images show an example of progressing of polished surface condition of biotite (bt), surrounded by feldspar (fs) in granite. Polishing work is running on an auto-plisher (Vibromet-2) with Alumina 0.3mm compounds and milli-Q water. Progress is very slow but it will be steady-flat surface among minerals phases which have different hardness. In this case, an appropriate surface for FE-EPMA has been obtained after 3-days.