



# Additional Petrographic Services

## Photomicrography, Optical Microscopy, XRD, XRF, & SEM-EDS

**Photomicrographs of Your Thin or Polished Sections: \$12/per set per sample**

For an additional \$10, you can request photomicrographs of your thin or polished sections in a CD, taken by using high-resolution, latest-model, state-of-the-art digital cameras attached to research-grade petrographic microscopes. At least three sets of plane and cross polarized-light photomicrographs will be provided per sample, with scale bars, depicting the detailed mineralogy, grain and pore size distribution, and texture of the rock.

**Petrographic Examinations: \$300 per sample**

Optical Microscopical examinations of thin sections in plane and cross polarized lights, and polished sections in reflected-light to determine detailed mineralogy, estimated modal (volume) proportions of different minerals, texture and microstructure, alteration, classification, and type of rock. Each report will include at least one set of photomicrographs per sample taken in plane and cross polarized-light modes with a high-resolution digital camera attached to a research-grade petrographic microscope. Price does not include the cost for sample preparation.

### Supplemental Petrographic Services:

- XRD (Qualitative): **\$300 per sample**
- XRF ( $\text{SiO}_2$ ,  $\text{Al}_2\text{O}_3$ ,  $\text{CaO}$ ,  $\text{MgO}$ ,  $\text{Na}_2\text{O}$ ,  $\text{K}_2\text{O}$ ,  $\text{Fe}_2\text{O}_3$ ,  $\text{TiO}_2$ ,  $\text{P}_2\text{O}_5$ ,  $\text{SO}_3$ ): **\$150 per sample**
- SEM-EDS: **\$500 per hour**

