

Petrographic Thin-Sectioning Lab

Tel: (905) 688-5550 ext#5699 or e-mail thinsections@brocku.ca or jmenzies@brocku.ca

The Petrographic Thin-Sectioning Laboratory, Department of Earth Sciences offers a well established service for the production of thin section slides.

Processing of thin sections involves the skilled manipulation of material bonded to glass to produce large 5 x 7.5cm or small 2.5 x 4.5cm thin sections of $30\mu m$ in thickness.

Thin sections are intended for studies with the microscope under bright field and polarized transmitted light to determine the composition, textural and/or structural relationships of minerals in rock, unlithified sediment, sediment or concrete cores, archaeological material and ceramics. Samples, if unlithified, are dried, impregnated with resin and then processed into thin sections for the client.

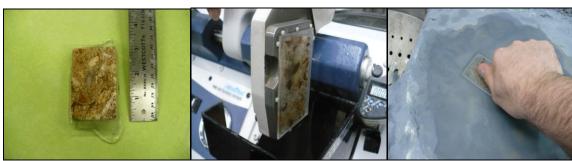
Our clients can also request for polished thin-sections which are used primarily in the observation of microstructures in reflective light. The polished thin-sections are prepared in routine fashion using an automatic polisher, starting with coarse to intermediate polishing using diamond abrasives and finishing with polishing alumina.



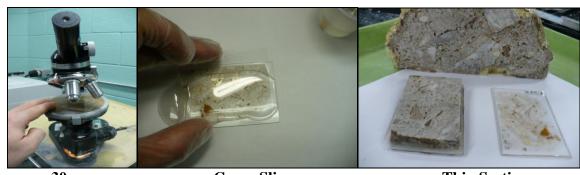
In the field Extract Kubiena



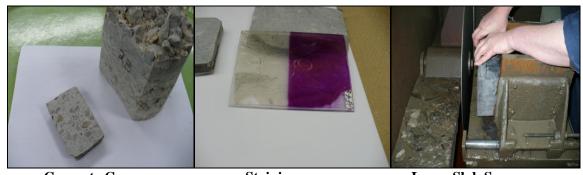
Impregnated sample Cutting Lap wheel



Mounted Sample Cut and Grind Final Hand Grind



30 μm Cover Slip Thin Section



Concrete Core Staining Large Slab Saw



Petro-Thin PM 2A Polisher Servocut-M250

Current prices

•	Slide from an unlithified sediment of soil sample:	\$130.00
•	Large Rock Thin Section 5 x 7.5cm	\$ 50.00
•	Standard Rock Thin Section 2.5cm x 4.5cm	\$ 20.00
•	Large Polished Thin Section: 5 x 7.5cm	\$ 80.00
•	Standard Polished Thin Section: 2.5cm x 4.5cm	\$ 39.00
•	Slide from wood or other archaeological material	\$130.00
•	Staining add to above prices	Large \$ 5.00
		Small \$ 4.00

Provided Descriptions and Interpretations

•	Single thin section descriptions:	\$ 100.00
•	Single descriptions & interpretations:	\$ 300.00

Supplies

Kubiena Tins 75 x 55 x 40 mm including lids: \$ 5.00