

 info@petroglica.com
 041 675 35 16
 PO Box 162
 Curtin ACT 2605

SERVICES

ROCKS & AGGREGATE

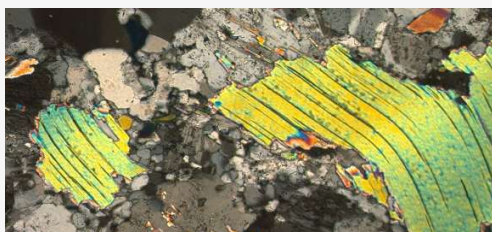
- *Rock type classification*
- *Description of paragenetic sequences of rock-forming and trace minerals, along with their modal percentages*
- *Rock texture and structure, including grain size, distribution, porosity, etc.*
- *Description of microstructures and mineral reactions*
- *Rock use as concrete aggregate advice*

CONCRETE PETROGRAPHY

- *Identification of the binder*
- *classify the aggregate/sand type,*
- *crack/microcrack patterns,*
- *Identifying secondary deposits and deterioration mechanisms, including Alkali-Silica Reaction (ASR), Delayed Ettringite Formation (DEF), Sulphate & Acid Attack, etc.*
- *Fire damage*

ADDITIONAL SERVICES

- *Field Mapping and Sampling*
- *Rock & Soil Logging (AS2617)*
- *XRF/XRD Analysis*
- *Thin section preparation*
- *Electron microscopy assistance*



CAPABILITY STATEMENT

Consultant: Olga Baruleva BSc MSc (Geology), MPhil

Business: Petroglica (independent petrographic consulting)
ABN:34320468561

Location: Canberra, Australia (offering worldwide service)

Independent petrographic consultant specialising in rock, concrete, and aggregate assessments across Australia, with rapid turnaround and expert geological insight.

OUR CLIENTS

- Civil & geotechnical engineering consultancies
- Construction materials labs,
- Construction and post-construction monitoring
- Concrete producers,
- Quarries, and aggregate suppliers
- Councils, state agencies
- Exploration & Mining companies
- Researchers & Forensic investigations

DELIVERABLES

- Concise petrographic reports suitable for engineering documentation
- Standard Petrographic Report on a Single Rock Type
- Secondary Mineral Content
- Graphic supplementary materials, including annotated high-magnification photomicrographs
- Practical conclusions linked to engineering material use

SEVICE MODEL

- Independent consultant or confidential subcontractor
- Flexible scopes: single samples to large investigations
- Practical turnaround times and responsive communication

COVERING STANDARDS

ASTM C856	ASTM C295	Q188
AS1141.26	AS4964	ASTM C1721
AS1141.65	AS1726	RMS T226
ASTM D4992		ASTM C457

TURNAROUND

	Thin sections supplied by the client	We prepare thin sections
1-3 samples	Up to 5 business days	15-20 business days
3-10 samples	Up to 10 business days	20-25 business days
>10 samples	>10 business days	>25 business days

PRICES

From 300 AUD per sample/thin section, add 150 AUD for one thin section preparation (if required)