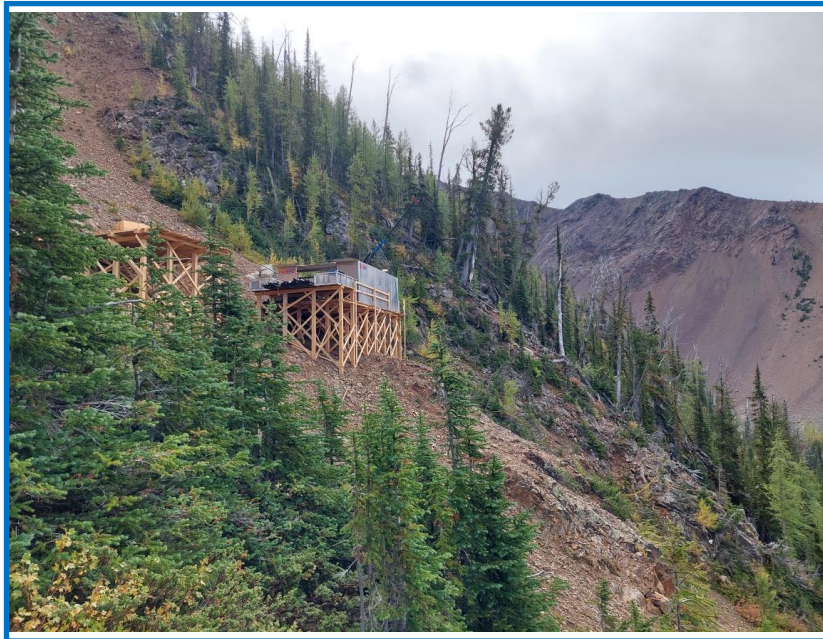




PJX Resources Inc. Drilling in the Wasa Area

Annual
MINERALS SOUTH 2026
Conference and Trade Show

November 2nd, 2026

Heritage Inn Hotel & Convention Centre
CRANBROOK, BC

SHORT COURSE

Morning Session: Selenium in Context

Afternoon Session: Metal Leaching and Acid Rock Drainage

Minerals South 2026

Short Course

Morning

Monday November 2nd, 2026 - Short Course duration ½ day

Title: Selenium in Context

Synopsis:

This short course welcomes community, Indigenous and industry participants—no prior knowledge is expected, only interest. Beginning with participants' own perspectives and questions, we will place selenium in the Ktunaxa context using a Human Health Risk Assessment as a foundation, then explore how selenium changes form, moves through the environment and cycles through living systems. Canadian pollution data will ground discussion of treatment technologies, microbial approaches and the critical gap of source control. We will conclude with selenium's essential industrial roles, opportunities to channel mine water into a selenium bioeconomy, and research underway through the BRIMM Selenium Research Initiative at UBC.

About me: Dr. Jonathan Dennis is a Postdoctoral Research Fellow in the Baldwin Group within the Department of Chemical and Biological Engineering at the University of British Columbia. He works as Research Manager for the Selenium Research Initiative (SeRI) at the Bradshaw Research Institute for Minerals and Mining (BRIMM), where he leads partnership development with Ktunaxa organizations in the Elk Valley and throughout ʔamakʔis Ktunaxa.

Jonathan completed his PhD and initial postdoctoral research in chemical biotechnology in Scotland before moving to Vancouver in 2024. His work sits at the intersection of microbial chemistry, Indigenous-led research and biotechnology, with a particular focus on collaborative and circular approaches to selenium management. He is a member of the Royal Society of Chemistry, the American Chemical Society and the North American Selenium Working Group.

Minerals South 2026

Short Course

Afternoon

Monday November 2nd, 2026 - Short Course duration ½ day

Title: Metal Leaching and Acid Rock Drainage.

Synopsis:

Metal leaching and acid rock drainage (ML/ARD) is one of the most costly and long-lasting environmental liabilities in BC mining. Exploration programs and bulk samples can trigger the same requirements as a small mine. This two-hour short course is presented by Shane Tylosky, P.Geo., of TEI. It explains what the requirements are, why they exist, and the science behind them.

The course opens with what happens when ML/ARD goes wrong, using case histories from BC and beyond. These include Mount Washington, Britannia, Tulsequah Chief, Equity Silver, the Sullivan mine fatalities and the Elk Valley selenium case. Participants then work through the regulations, quoted word for word: the Mines Act, Parts 9 and 10 of the Health, Safety and Reclamation Code (2026), the BC ML/ARD Policy and Guidelines, the 2024 Joint Application Information Requirements and the 2026 Engineers and Geoscientists BC Practice Advisory. The technical part follows a prediction program from start to finish:

- geological characterization
- acid base accounting
- shake flask extraction compared with BC Water Quality Guidelines
- water chemistry
- static tests
- kinetic tests

The course ends with the requirements for ML/ARD management and monitoring plans, why they are needed, and what regulators look for in a compliance review.

The course is for exploration geologists, project managers, consultants, qualified professionals and reviewers who plan, permit or assess bulk samples, small mines and quarries. Participants leave with a practical checklist by project stage and the key thresholds and criteria used in BC

About me: Shane Tylosky P. Geo, has been in the southeast Kootenays since 2008. He graduated from the University of Alberta with a geology degree and a environmental physical sciences degree. He has worked on projects in southeast BC, northern BC, Alberta and the Yukon, the company Tylosky Enterprises Inc (TEI). TEI is a geology consulting firm working throughout Canada. Providing professional services to the mining and exploration industries. These include geology assessment reports, ARD/ML reports, permit applications, exploration management, LiDAR drone scans, Radiometric drone scans and pilot services.