



Mining Support Services

Mining Services

The Saskatchewan Research Council (SRC) provides a wide range of services to the mining and minerals industry and other industrial sectors. SRC offers clients access to affordable, reliable and accurate analysis and interpretation.

SRC supports industry throughout the mining cycle, including:

- Pre-exploration and exploration
- Mine development, mineral processing and site operation
- Decommissioning and site reclamation

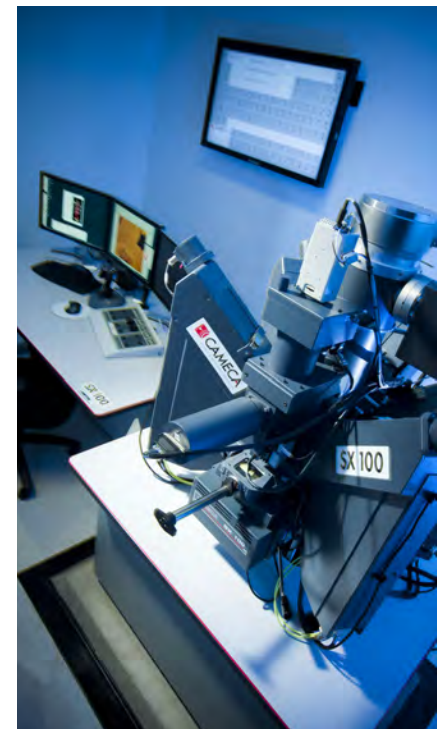
Industry, governments, researchers and consultants across the globe benefit from SRC's world-class expertise and state-of-the-art facilities. SRC's multi-disciplinary teams work together to address growing industry demands.

Exploration

SRC scientists provide expert support to prospectors and mining companies in various stages of mineral exploration.

Capabilities include:

- Developing predictive mineral exploration models, tools and strategies based on an understanding of geological processes
- Investigating the geological and regional potential of specific minerals
- Synthesizing and applying a wide variety of data to better understand geological formation of ore bodies
- Decision-making support in mineral exploration programs
- Supporting exploration activities using SRC's world-renowned laboratories, including Geoanalytical Laboratories and Advanced Microanalysis Centre™
- Collaborating with the University of Saskatchewan's Canadian Light Source to extend SRC's capacity in mineral research



CONTACT

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Analytical services are available for the following:

- Uranium
- Potash
- Base metals
- Gold
- Diamonds
- Rare earth elements

Mining and Milling Activities

SRC assists clients in developing enhanced mine and mill processes and providing support for environmental assessments and remediation.

Capabilities include:

- Supporting mine operations, particularly in mineral processing, metallurgical testing, and effluent and tailings treatment with the metallurgical labs and a process pilot plant
- Providing value-added processing R&D to develop new products from minerals
- Supporting process improvement developments with special expertise in slurry transport of ore, tailings and in-mill process flows with our PipeFlow Technology Centre™
- Developing innovative devices to support new mining methods through instrumentation and product engineering
- Developing customized data products for applications in mineral and mine development, hydrology, ecology, land use planning and environmental assessment, including applications of remote sensing and spatial information technologies
- Offering environmental expertise to help clients minimize environmental impacts and meet regulatory requirements
- Providing site assessments and groundwater and contaminant mitigation and monitoring

- SRC's Environmental Analytical Laboratories, one of the most complete analytical laboratories in Canada, provides environmental monitoring, analysis and testing, including industrial effluents and NORMs (Naturally Occurring Radioactive Materials)

Mine Site Decommissioning and Reclamation

SRC is actively involved in environmental stewardship through the rehabilitation of abandoned legacy sites. As part of this work, SRC is currently managing Project CLEANs (Cleanup of Abandoned Northern Sites) to rehabilitate the Gunnar and Lorado mine/mill sites, in addition to 36 satellite mine sites in northern Saskatchewan. SRC's varied expertise and advanced technology can be applied to solve challenges at both abandoned and operating mine sites. SRC has scientific, technical and management expertise, as well as experience working with project stakeholders—communities, Aboriginal groups, industry and government.

Capabilities include:

- Identifying site-specific management, mitigation and remediation options for uranium mines and ongoing site monitoring
- Monitoring the environmental effects of mine tailings
- Developing technologies for treatment of water with elevated uranium and radium-226
- Toxicity testing and analyzing organic and inorganic radiochemicals



The Saskatchewan Research Council (SRC) is researching and demonstrating technologies and processes that contribute to a productive industry with sustainable practices throughout the mining cycle.



Our people make all the difference. SRC's Mining and Minerals Division strives to keep up with the growth in the industry and the needs of our clients.