224 – 470 Granville Street, Vancouver, B.C. V6C 1V5
Telephone: (604) 687-7178 Facsimile: (604) 687-7179

LOW IMPACT MINERAL EXPLORATION

There is growing demand for mineral resources in Europe which are important in the production of clean technologies.

As a responsible mineral explorer Playfair values protecting the natural environment we work in. We use new technologies and methods to reduce the impact of our exploration.

We intend to provide a basis for an informed decision for all the stakeholders of mining – from the public and industry to local and national authorities.

RKV Project Exploration

Playfair's exploration of the RKV Project in Tynset, Alvdal and Folldal municipalities follows our responsible innovative and minimally invasive exploration methods.

The first phase of our exploration used non-invasive machine learning algorithms to reinterpret existing geochemical-geological-geophysical data sets and outline potential exploration target areas with similarities to known mineral occurrences.

The second phase of our exploration was minimally invasive. In the areas outlined as possibly favourable by the machine learning algorithms we dug small pits by hand, removed a sample of soil and then refilled the pit. There was no off-road driving. Subsequent chemical analysis outlined areas with a high content of copper or other elements of interest.

The third phase of our exploration measured the intensity of the earth's magnetic field in some of the areas where a high copper content was found in soils. Variations in the magnetic field provide important information about the underlying bedrock.The survey was non-intrusive and used a unmanned drone to carry the measuring equipment.

Our completed three phases of responsible minimal impact exploration have yielded seven targets of high interest covering a mere 0.25% of our original exploration area. These areas total 0.77 square kilometers in size, an average of 0.11 square kilometers per target.

Our fourth phase of exploration is planned for Summer 2021. We will investigate the rocks immediately below seven of the areas where we have located a high copper content in soils. We will not dig trenches which can have a high environmental impact. We will instead use a lightweight low environmental impact drilling machine which can be disassembled and hand-carried to the drill sites. No off-road driving is planned.

Playfair and its drilling contractor will make special efforts to minimise environmental issues. The drilling equipment will have minimal impact. Care will be taken to minimize cutting or clearing of vegetation, and on conclusion of drilling and cleaning of the site, rehabilitation will be commenced at the earliest appropriate time. Particular attention will be paid to fluid mitigation using fuel containment equipment and access to specialized spill kits. Drilling water will be drawn from nearby sources. Return water will be treated by settling, and after settling, will be allowed to percolate through the natural vegetation and soil allowing further filtering of the discharge water which eventually returns to the natural surface drainage patterns. All drill core, cuttings, drilling-related materials, and refuse will be removed from site on completion of the program, and the area returned to its natural state.

Playfair has had recent experience of drilling in an environmentally sensitive area. Playfair drilled within an EU Special Area of Conservation in Ireland using a small track-mounted drill. No environmental issues were caused. Special Areas of Conservation (SACs) together with Special Protection Areas (SPAs) form the EU Natura 2000 network.

The road to a cleaner environment includes electric vehicles. Electric vehicles need copper, nickel, and cobalt. There is no green future without minerals.