Why do geological mapping?
Geological mapping is vastly under-utilised in mineral exploration and mining. It provides the primary control on geology and underpins the decision-making at all stages of the exploration process.

Effective exploration requires a good understanding of geological and metallogenic processes. Geological, structural and alteration mapping of surface exposures, underground or in drill hole, provides the underlying geological control as well as fluid pathways and the geometry of mineralisation.

Using geological mapping as a basis for exploration, mineralisation can be more effectively targeted and interpreted in terms of the underlying geology and the overall prospectivity of a project area. Unlike many other exploration techniques, geological mapping has a fast turnaround time and provides focused drill targets in a matter of weeks. By avoiding poorly defined exploration targets, you can maximise your return and save both money and time.

In operations, open-pit and underground mapping can help refine existing geological and geotechnical models, provide impetus for new exploration and mining strategies, and help you target higher grades.

Why now?
Mapping, carried out in the first instance and updated on a regular basis during the life of a project, regardless of the stage in the project cycle, reduces exploration risk and maximises the potential of a project. Mapping is a cost-effective exploration tool and a project-generative process that delivers tangible benefits to you. A good map provides in-depth knowledge of the economic potential of your tenements and will focus your exploration programmes and mining practices. Most importantly, well-mapped projects clearly communicate to stakeholders the economic potential whatever their technical background.

Why us?
We have a dedicated specialist team of mapping geologists with extensive experience in a wide range of commodities.

SRK geologists have worked in a variety of geographic locations, geological terrains and deposit styles, building up a skills-base that is unparalleled in the industry.

Our team, with a combined experience of over 100 years, can provide high quality, tailored mapping services when you need it, anywhere in the world. With more than 36 offices on 6 continents and employing over 875 staff, we can provide local support almost anywhere you might be.

Teams are selected to suit your project needs. We select the specialist you need to identify key opportunities in your tenement and help you capitalise on your exploration potential.
What do you get?
SRK can provide the following products:
• Geological map at appropriate scale and in a digital GIS format;
• Cross sections depicting the 4D geological evolution and geometry;
• Geological and structural interpretation of remote sensing and geophysics;
• Mapping and cross section interpretations which can be used to create a 3D model of the geology or mineralisation;
• Digital database of all observations and samples collected;
• Sampling for, and interpretation of petrographic, geochemical or geochronology data;
• Report describing the geology, structure and alteration of the project area;
• Recommendations on exploration potential and strategies;
• Training for staff in structural geology and geological mapping.

Quick, cost-effective and reliable
We can deploy a mapping team on short notice, managed by highly experienced mapping professionals Peter Williams and Bert De Waele, both of whom have mapped extensively at a range of scales in numerous countries, and for organisations dedicated to advance mapping and associated research.

Map data are collected digitally in the field, and initial maps and databases produced on-site. The preparation of final digital products and cross sections typically happens within a couple of weeks after field work.

Contact us for a highly competitive quotation for any of your mapping needs.