



**Geochemical surveys** – are undertaken to target areas for further exploration. The surveys usually involve the collection of soil, rock and/or sediment samples. These samples are sent for laboratory analysis to identify areas of potential mineralisation. The surveys may comprise:

**Soil sampling** – Hand-held tools such as shovels and picks are used to collect samples of soil and subsoil for testing. Samples are typically collected on a regular grid pattern and involve collection of small (approximately one kilogram) samples of soil. Sampling programs undertaken using hand tools are supported by a four-wheel drive vehicle. Holes excavated during the program are back-filled and vegetation replaced immediately following sampling.

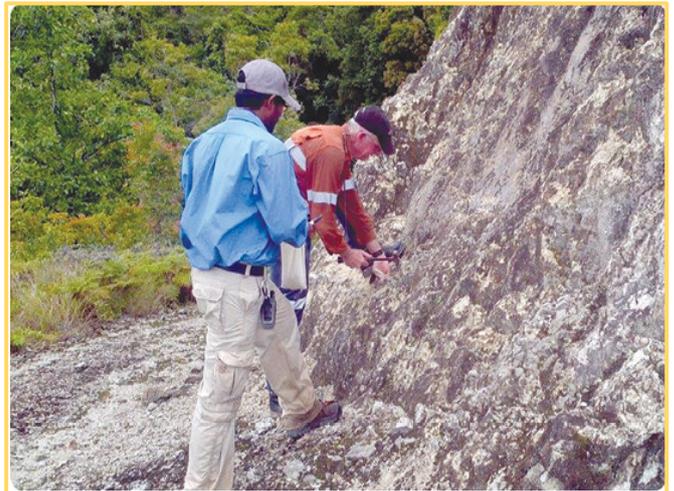


**Stream sediment sampling** – Samples of stream sediment are collected within drainage lines. Three samples are usually taken at the junction of two creeks: one downstream of the junction and two upstream of the junction (in each of the merging drainage lines). Samples are typically extracted using hand tools and may be sieved during collection

**Rock chip sampling** – Up to a few kilograms of rock material from outcrops are collected using hand-held tools. Rock chip samples will usually be collected during geological mapping programs.

#### **Regulation of Geochemical Surveys –**

Geological mapping and geochemical surveys are strictly regulated in the conditions of all exploration licences. As most geological mapping and geochemical survey work has minimal, if any, surface disturbance, further approvals for this work are only required in sensitive areas. On private land, this work must be covered in an access agreement with the landholder before work begins.



**Rehabilitation of Geochemical Surveys** Rehabilitation is a condition of every exploration licence and is undertaken as soon as practical following surface disturbance. Planning for rehabilitation is undertaken before surface disturbance and occurs in consultation with the landholder. Surface disturbance from geochemical surveys is minimal and rehabilitation is usually undertaken immediately after the sample is taken.