



# Glass Earth Limited

## Drilling

### Introduction

Drilling is only used in areas that have been selected as 'targets' from geophysical, geochemical and geological studies.

Drilling is used to obtain information about rock types, mineral occurrences, rock fabric and the relationship of rock layers close to the surface and at depth.

Drill rigs today are more compact than ever and are usually mounted on the back of 4WD trucks no bigger than your average fertiliser tractor. All that is needed is road or track access.



### Air-Percussion Drilling

This method uses air to 'hammer' a drill-bit through hard rock. The returning air then brings rock chips to the surface.

Drilling is possible down to 300m.

### Air-Rotary Drilling

This method forces compressed air down a drill pipe and returns it to the surface with rock chips made by the rotating bit.

It is used to cut through soft rock and the top layer of decomposed rock and soil to get to fresh rock samples from the bedrock below.

This method is used to drill to depths of up to 25m deep and is quick and economical.

