

Soil profile in a jar

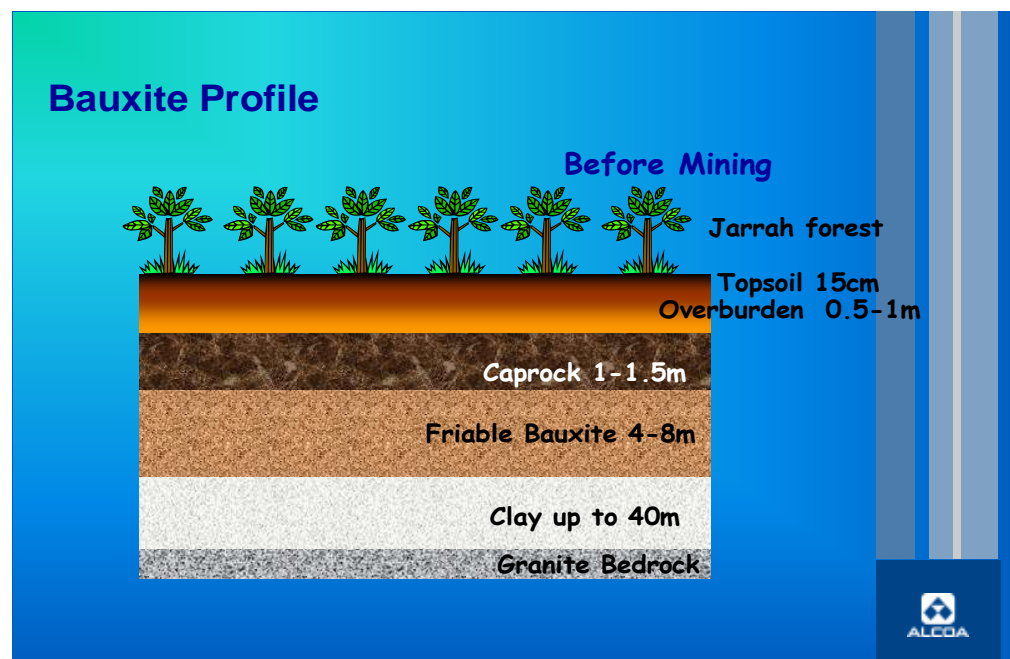
Topic: Mining and Rehabilitation

You will need:

- Glass Jar
- Variety of soil samples – include sandy, loamy, gritty.

Background Information:

In Western Australia bauxite occurs at a depth of approximately 50cm consisting of the caprock layer and friable bauxite layer (loose gritty layer beneath the hard caprock) to an average depth of 4-8m. Above the caprock is the soil layer which consists of overburden and topsoil.



What you need to do:

Create a bauxite profile by placing the soil in defined layers in the jar.

alcoa
discover
mining and rehabilitation

Extension/Alternatives

Prepare another jar showing the layers after mining and rehabilitation has occurred.

Curriculum Links:

Society and Environment:

Place and Space, Resources

Science: Earth and Beyond, Natural and Processed Materials

Technology and Enterprise: Information

