



# OUR ENVIRONMENT OUR FUTURE

## Borax, an alternative to mercury use in Gold mining



Borax is used as a flux to purify Gold Concentrates. It increases Gold recovery by reducing the melting point of Gold

### Gravity concentration method using Borax



Crush the ore to liberate gold particles through wet milling

1



Pour crushed ore in the sluice box and wash in water

2



Pan in a pond of water until only gold remains on the pan

3



Add borax to the concentrate and heat. This is direct smelting

4



The liquid is then cooled to form a solid mass of gold

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