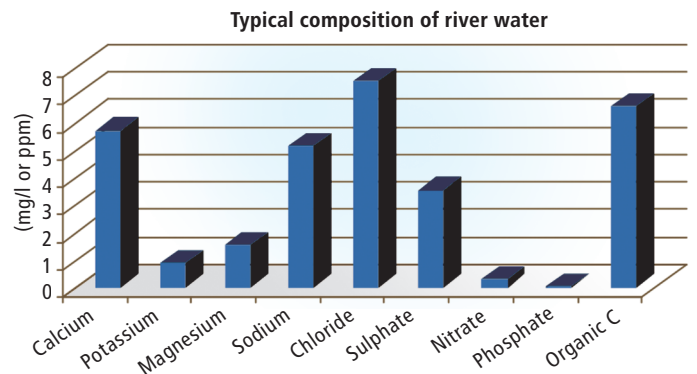


Analysing Water

The chemical composition of water in rivers and streams can reveal a lot about the land through which the water flows. Analysing water relies on a range of analytical techniques ranging from simple pH measurements to more complex analysis like the ones described here...



Inductively Coupled Plasma – Mass Spectrometry (ICP-MS)

This technique is used to measure the elemental or mineral content of the water. Calcium and magnesium values are typically indicative of the 'hardness' of water.



Ion Chromatography

This instrument is used to measure the amount of sulphate, nitrate and chloride present in a sample.

Total Organic Carbon Analyser

This instrument measures the amount of carbon in the water – carbon in water flowing from a peat bog gives it a brown colour.



Discrete Analyser

This versatile instrument can analyse a wide range of parameters, such as the phosphate and ammonium content.