

Application Note - Monitoring and controlling water quality and rate of movement in catchment area

Customer Requirements

To continuously monitor and manage the quality of the water to test for a variety of chemical and biological agents as well as clarity, rate of movement and height.

Equipment

dataTaker DT80
USB Memory Stick

Sensors

Turbidity, conductivity, temperature, pH, level and flow



Application Note

Datataker Solution

The *dataTaker DT80* with relevant sensors records dam parameters such as stream height, pH, turbidity, conductivity and water temperature. Whenever stream height rises rapidly following a rainfall event in the catchment area the data logger activates water-sampling equipment to collect stream samples for sediments, nutrient and chemical analysis.

Field staff visit the remote sites to collect the water samples and data. The data is collected simply by inserting a USB memory stick into the *DT80*.

On some sites, the *dataTaker DT80* is also used to record various aerial environmental parameters such as wind speed, wind direction, RH, air temperature, solar radiation and rainfall.