Near Real-Time Groundwater Levels

Description

This dataset comprises groundwater level time-series data taken at 426 borehole monitoring stations located across England.

Discrete station information is stored for each site including identifier, spatial reference, parameter type and time series type. This dataset contains groundwater level taken using automatic field devices and transferred via telemetry to internal systems. The frequency of transfer of the data is dependent upon the purpose of the site and the infrastructure in place. Sites monitored for operational and flood management purposes will usually transfer data in, or close to, real-time. Groundwater sites used for more strategic monitoring may only transfer data once or twice per day.

Where we supply Groundwater Level Measurements we have simplified the locational information so that it is at a resolution not more detailed than $1km^2$.

Guidance on use of data

- This data will be OpenData between 20th February to 15th May in response to continued winter flooding incidents.
- Please refer to the Hydrometric Data Feed User Manual when using this data.
- All readings are in Greenwich Mean Time, all year.
- Information Warning: Geographical density is highly variable. Density is typically highest where significant water supply aquifers are present or where historical groundwater issues have occurred.

Attributes

Time	Time of Measurement
Station reference	Reference based on combination of letters and numbers [unique identifier]
Region	Agency Region in which site is located
NGR	British National Grid reference (truncated to $1km^2$ accuracy)
Station name	Name of station from Telemetry system
Parameter	All groundwater sites are tagged as 'Water Level'
Qualifier	The majority of groundwater sites are tagged with 'groundwater'
Units	Measurement units i.e. meters. Groundwater levels may also be expressed as metres below measurement datum (mBDAT) or metres above Ordinance Datum (mAOD).
Value	The measurement itself.

21 February 2014. PW.