Groundwater Level Measurements (AfA075)

Dataset Description

This dataset comprises groundwater level time series data taken at approximately 6000 borehole monitoring stations located across England and Wales.

Discrete station information is stored for each site including identifier, spatial reference, parameter type and time series type. This dataset contains sites for operational and closed monitoring stations. Data is collected from Environment Agency borehole monitoring stations that are collated by Area staff normally by either downloading the station 'Logger Data' or manually 'Dipping' to determine borehole water level.

This is a large dataset with high extraction costs, and we do not normally expect to supply it as a whole. Larger requests will be assessed against our normal procedures for charging for, and refusing access to information. If we receive a request for the entire dataset we would consider refusal, or a full cost of extraction charge.

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.

Price Category: Very High

Attribute Name	Attribute Description
	Monitoring Station
STATION NUMBER	Unique identifier assigned to each boring station
STATION NAME	The name of the station usually indicating location and type of the station
EASTING	Easting as converted within WISKI from OS Grid Reference
NORTHING	Northing as converted within WISKI from OS Grid Reference
PARAMETER-NAME	Parameter that the borehole station monitors. There is a selection of defined parameters held within WISKI. All Groundwater Depth data is defined and populated as 'WL' (water level). For technical reasons it's included.
PARAMETER TYPE	For Groundwater Depths this is populated as 'WL' (water level). In other instances within WISKI this would distinguish a parameter sub-category based on measurement type. For technical reasons this is included.
TIME SERIES NAME	The name of the time series located at the site. This is recorded as a code that is determined by a concatenated string consisting of site number, time series number, parameter type, frequency and status of data.
TIME SERIES UNIT	Unit for which the time series data is captured (metres)
TIME LEVEL	Resolution of the time series measurements. Always High-Resolution for Groundwater Depth. Not included.
TIME SERIES TYPE	The time series capture type, such as whether the value recorded is taken instantaneous or over a longer period (e.g. 15 minutes) or if it has been derived through calculation.
EQUIDISTANT TIME SERIES	Flag as to whether the time series data is recorded over a regular time period. Can be either: • Yes • No (i.e. an irregular time series).
TIME SERIES QUALITY	Flag as to whether the time series data taken has been quality assured with records being edited or deleted. All data

Attribute Name	Attribute Description
	disseminated is production. Flagged as either: • Production (Validated data) • Origin Data (Raw data)
	Time Series
DATE	Date of time series measurement (DD/MM/YYYY)
TIME	Time of time series measurement (HH:MM:SS)
DIP [m]	Depth of dip required determining water level (metres). I.e. distance from the top of the borehole to water surface.
QUALITY FLAG	Quality of the time series measurement: • G (Good) • GEd (Good Edited) • S (Suspect) • M (Missing) • U (Unchecked) It is of note that no unchecked data is disseminated but has been included for completion.
WL [m AOD]	[Ground] Water Level (metres Above Ordnance Datum [metres above sea level])