

Real-time and Near-real-time River Level Data (AfA104)

Dataset Description

Measurements of the height (m) of water in a river taken using automatic field devices, usually every 15 mins, and transferred via telemetry to internal and external systems in, or close to real time. This data may be transferred to these systems or users at different intervals varying, for example, from once per day during normal conditions to several times per day during a flood event.

Real-time or near real-time river level information is available for 1,400 river gauging stations (where flow is also measured) and river level only monitoring sites throughout England and Wales.

Real-Time and Near Real-Time River Flow Data [England] is available under AfA305.

Price Category: High

Attribute Name	Attribute Description
EA Time Series Data Exchange Format xmlns	Format used to transfer data
Xmlns:md	Location of definitions used in XML transfer file
xmlns:xsi	Version of schema used to transfer data
Xsi:schema location	Location of version of schema used to transfer data
Publisher	Who is transferring the data, normally the Environment Agency. [This field is included since it adheres to the standard used in WISKI, the field may be updated if supplied externally].
Source	System from which the data originates i.e. North East Telemetry System
Description	Description of process i.e. automated telemetry data export
Creator	Telemetry system and software
Date	Date file created
Time	Time file created
Identifier	Server name
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
River Name	Name of river on which site is located
Station name	Name of station from Telemetry system
Values/Parameters	i.e. flow, rainfall, water level
Qualifier	More detailed meta data relating to the value/parameter above i.e. logged, or type of gauge
Data type	Definition of data i.e. instantaneous
Period	Time interval of measurement i.e. every 15 mins
Units	Measurement units i.e. meters
Start Date	Date of first parameter in file
Start Time	Time of first parameter in file
End Date	Date of last parameter in file
End Time	Time of last parameter in file (may be identified as 'last collected result' on the screen if transferred data is uploaded to the web-site automatically)