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Data Entry of Sediment Gauging

Entering Sediment Gauging Results to Hilltop Archives

Sediment Gauging Results are defined as a data source in Hilltop.


This data source is intended to store the results of all sediment gauging's.

The format of this data source enables the results to be used calibrate sediment and turbidity sensors.

It is a 15 item data source similar to Gauging Results.

The items are defined as follows:

Item	Data Type	Description
Stage	Integer	Enter the stage value in mm
Gauged Flow	Integer	Enter the gauged flow in l/s. Enter -1 if the flow wasn't gauged.
Rated Flow	Integer	Enter the flow from the rating curve in l/s. Enter -1 if the flow was gauged.
Mean Sediment Concentration	Integer	Enter the mean sediment concentration in g/m ³ (same as mg/l) calculated from the gauging
Sediment Sensor	Integer	Enter the sediment sensor reading from the logger
Turbidity Sensor	Floating Point	Enter the turbidity sensor reading from the logger. This will accept decimals.
Temperature	Floating Point	Enter the water temperature in degrees C. This will accept decimals.
Location	Text	Enter a description of the measurement location
Party	Text	Enter the names of the survey party
Sampler	Text	Enter the type of sediment sampler used
Number of Vertical	Integer	Enter the number of verticals sampled for sediment
Number of Samples	Integer	Enter the total number of samples taken
Measurement Begins	Date	Enter the date and time the measurement begins. Separate the date and time with a space.
Measurement Ends	Date	Enter the date and time the measurement ends. Separate the date and time with a space.
Gauging Number	Integer	Enter the gauging measurement number

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Data Entry of Sediment Gauging

To add data to Hilltop

Open up your Regional Hilltop Gauging File.

Select the Site.

Use the Data-Add

Select “Sediment Gauging Results” as your data source.

The edit grid control will load columns for measurement date and time and the 15 items defined above.

The grid control is not very good at displaying the whole field for each item.

You can maximise what you can see by maximising your windows then pulling the left hand edge of the edit window back over your tree control window.

Date	Time	Stage	Gauged Flow	Rated Flow	Sediment Conc	Sediment Sens	Turbidity Sens	Temperature	Location	Party	Sampler	Number of Verticals	Number of Samples	Measurement Begins	Measurement Ends	Gauging Number
12-Feb	12:20:00	775	-1	22574	450	-1	207	16.2	At cableway	Balfour/Lur	DI49	3	9	12-Feb-200	12-Feb-200	407374

Save your data

The tree control for Sediment Gauging Results looks like this.

