

The referee's comment is in black, and our response is in blue.

Response to comment by reviewer #2

- l. 284 "quality source" should be changed to "quality code"

Done

- l. 337: The method description suggests that the 350-500 ml water samples were treated by oven drying, i.e. the entire water volume was evaporated (!). This is highly unusual, please confirm or add details if the samples have been filtered or decanted, then oven-dried (which would be the usual routine).

We confirm that the procedure for assessing suspended sediment concentrations does not involve either decantation or filtration. This may seem unusual in environments characterised by low sediment concentrations (a few mg/l to a few g/l), but it is very practical in environments with very fine sediments (d_{50} of a few microns) and sediment concentrations that routinely exceed 10 or even 100 g/l. In fact, under such conditions, filtration times become very long (often several days, with frequent filter clogging), and decanting followed by the collection of a subsample can introduce significant uncertainty or error, which we wish to avoid.

- l. 405: replace "The" with "the"

Done

- l. 439: check numbers in x-label, they seem off by a factor of 1000.

You are absolutely right; there was an error by a factor of 100 (not 1,000) on the X-axis. We are providing a new Figure 8 that corrects this error.